

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U121718\
 Data File : VU028736.D
 Acq On : 17 Dec 2018 21:57
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/18/2018 11:31:21 AM

Quant Time: Dec 18 07:29:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	73109	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	131246	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	120282	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	59472	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.30	65	58149	52.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.24%	
35) Dibromofluoromethane	4.88	113	43698	52.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.82%	
50) Toluene-d8	7.56	98	168088	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	
62) 4-Bromofluorobenzene	10.30	95	60961	49.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.84%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	50205	51.234	ug/l	99
3) Chloromethane	1.33	50	87227	48.417	ug/l	98
4) Vinyl Chloride	1.40	62	66053	50.805	ug/l	99
5) Bromomethane	1.60	94	34030	64.977	ug/l	96
6) Chloroethane	1.68	64	37898	51.489	ug/l	98
7) Trichlorofluoromethane	1.87	101	70052	51.212	ug/l	99
8) Diethyl Ether	2.10	74	31354	48.993	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.28	101	41969	51.301	ug/l	99
10) Methyl Iodide	2.40	142	44536	69.380	ug/l	99
11) Tert butyl alcohol	2.83	59	66080	265.839	ug/l	99
12) 1,1-Dichloroethene	2.28	96	40568	49.839	ug/l	96
13) Acrolein	2.19	56	69457	350.512	ug/l	99
14) Allyl chloride	2.59	41	108418	56.303	ug/l	91
15) Acrylonitrile	2.93	53	190154	275.540	ug/l	99
16) Acetone	2.32	43	152188	209.038	ug/l	99
17) Carbon Disulfide	2.47	76	139940	47.722	ug/l	99
18) Methyl Acetate	2.61	43	115978	61.453	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	164121	53.187	ug/l	100
20) Methylene Chloride	2.70	84	52108	48.552	ug/l	96
21) trans-1,2-Dichloroethene	2.98	96	45524	49.673	ug/l	97
22) Diisopropyl ether	3.57	45	207455	55.400	ug/l	98
23) Vinyl Acetate	3.52	43	836347	270.771	ug/l	99
24) 1,1-Dichloroethane	3.44	63	103578	52.841	ug/l	100
25) 2-Butanone	4.26	43	262022	263.355	ug/l	98
26) 2,2-Dichloropropane	4.22	77	73291	47.188	ug/l	100
27) cis-1,2-Dichloroethene	4.22	96	53292	51.375	ug/l	99
28) Bromochloromethane	4.55	49	50932	57.156	ug/l	97
29) Tetrahydrofuran	4.64	42	178784	279.792	ug/l	98
30) Chloroform	4.67	83	91464	53.537	ug/l	99
31) Cyclohexane	4.99	56	98141	51.338	ug/l	99
32) 1,1,1-Trichloroethane	4.91	97	75395	53.136	ug/l	99
36) 1,1-Dichloropropene	5.13	75	70735	49.251	ug/l	99
37) Ethyl Acetate	4.38	43	97871	52.715	ug/l	99
38) Carbon Tetrachloride	5.13	117	59481	51.384	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	84075	47.984	ug/l	99
40) Benzene	5.39	78	218589	51.677	ug/l	98
41) Methacrylonitrile	4.54	41	56362	55.433	ug/l	97
42) 1,2-Dichloroethane	5.40	62	76936	51.961	ug/l	98
43) Isopropyl Acetate	5.55	43	159395	54.279	ug/l	98
44) Trichloroethene	6.18	130	47148	50.130	ug/l	98
45) 1,2-Dichloropropane	6.43	63	64452	54.184	ug/l	96
46) Dibromomethane	6.56	93	37259	52.792	ug/l	99
47) Bromodichloromethane	6.76	83	71729	52.228	ug/l	98
48) Methyl methacrylate	6.62	41	79441	54.398	ug/l	99
49) 1,4-Dioxane	6.61	88	25085	1087.877	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	510054	275.388	ug/l	99
52) Toluene	7.64	92	126208	50.698	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	84703	51.785	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	90474	50.983	ug/l	99
55) 1,1,2-Trichloroethane	8.06	97	51466	52.300	ug/l	97
56) Ethyl methacrylate	8.02	69	89828	53.306	ug/l	98
57) 1,3-Dichloropropane	8.24	76	96971	53.086	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.12	63	234804	272.038	ug/l	99
59) 2-Hexanone	8.36	43	390240	265.830	ug/l	100
60) Dibromochloromethane	8.48	129	50514	52.431	ug/l	100
61) 1,2-Dibromoethane	8.58	107	55051	53.348	ug/l	99
64) Tetrachloroethene	8.22	164	39177	48.830	ug/l	95
65) Chlorobenzene	9.12	112	131259	51.211	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	45888	56.065	ug/l	99
67) Ethyl Benzene	9.25	91	244188	51.825	ug/l	98
68) m/p-Xylenes	9.37	106	179099	104.462	ug/l	98
69) o-Xylene	9.78	106	87345	52.423	ug/l	99
70) Styrene	9.79	104	145930	52.924	ug/l	100
71) Bromoform	9.96	173	39789	57.146	ug/l #	100
73) Isopropylbenzene	10.17	105	232208	50.884	ug/l	99
74) N-amyl acetate	10.01	43	142897	54.285	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	98224	56.031	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	83564m	55.026	ug/l	
77) Bromobenzene	10.45	156	55568	52.065	ug/l	99
78) n-propylbenzene	10.58	91	287561	50.711	ug/l	100
79) 2-Chlorotoluene	10.66	91	172385	52.776	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	197887	52.385	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	34706m	56.125	ug/l	
82) 4-Chlorotoluene	10.77	91	195057	50.393	ug/l	99
83) tert-Butylbenzene	11.10	119	191153	52.500	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	202339	51.974	ug/l	100
85) sec-Butylbenzene	11.32	105	242013	51.740	ug/l	100
86) p-Isopropyltoluene	11.48	119	201408	50.689	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	101778	50.502	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	102381	49.102	ug/l	99
89) n-Butylbenzene	11.89	91	197385	49.085	ug/l	100
90) Hexachloroethane	12.14	117	32601	54.284	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	103409	51.297	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	21311	56.151	ug/l	99

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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	66959	48.366	ug/l	99
94) Hexachlorobutadiene	13.69	225	31135	47.150	ug/l	96
95) Naphthalene	13.74	128	233866	48.346	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	68714	49.841	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

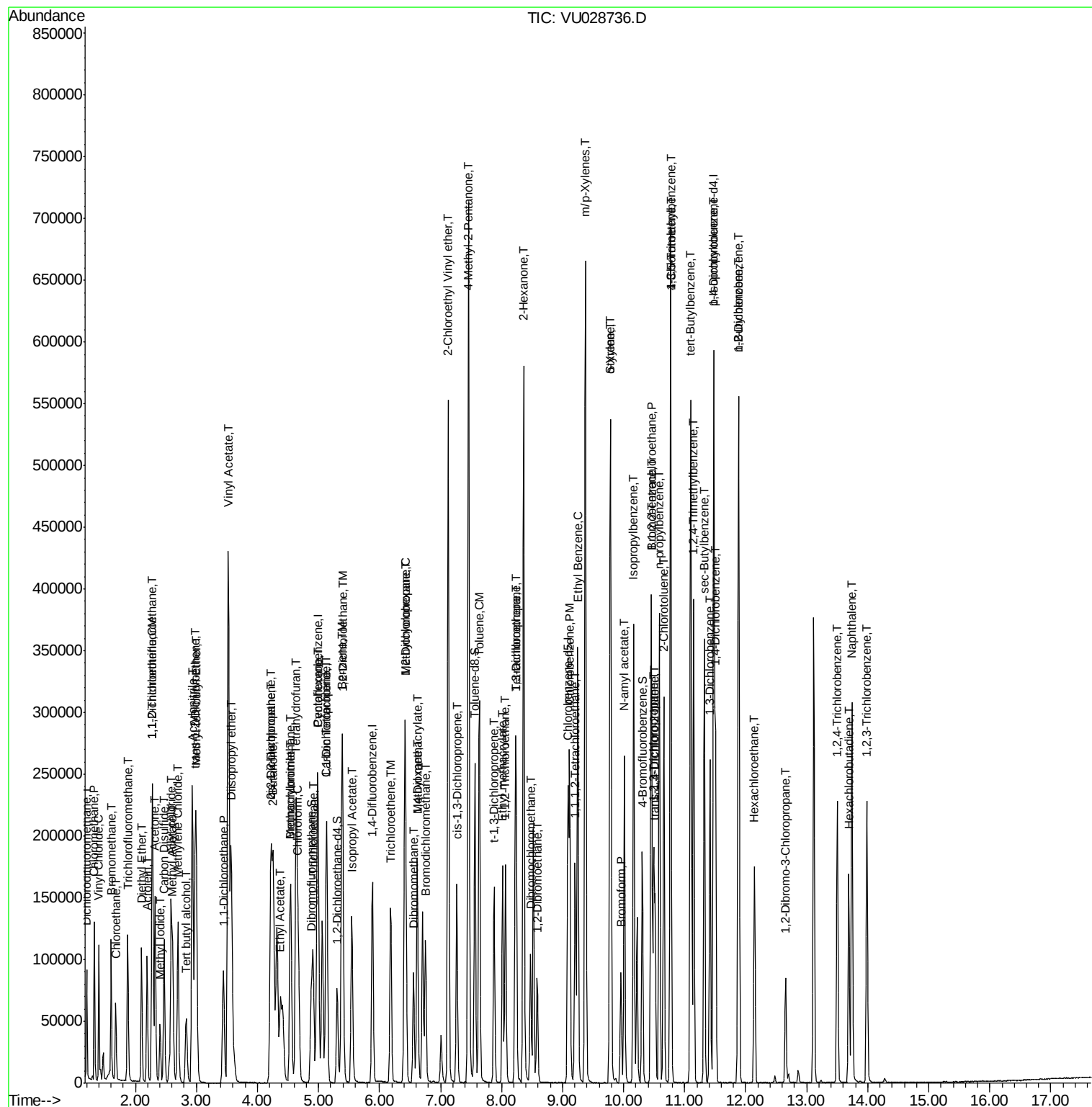
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU121718\
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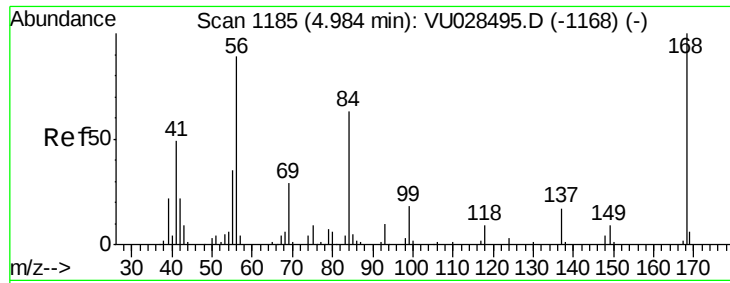
Instrument :
 MSVOA_U
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 VSTDCCC050

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028736.D

Acq: 17 Dec 2018 21:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tgt Ion: 168 Resp: 73109

Ion Ratio Lower Upper

168 100

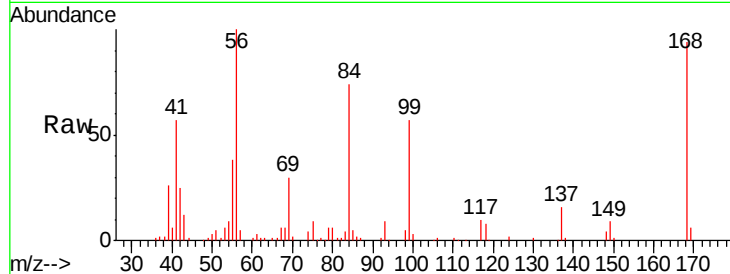
99 60.3 46.6 69.8

Manual Integrations

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12/18/2018 11:31:21 AM



Abundance Ion 167.90 (167.60 to 168.60): VU028495.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028495.D (-1168) (-)

4.98

30000

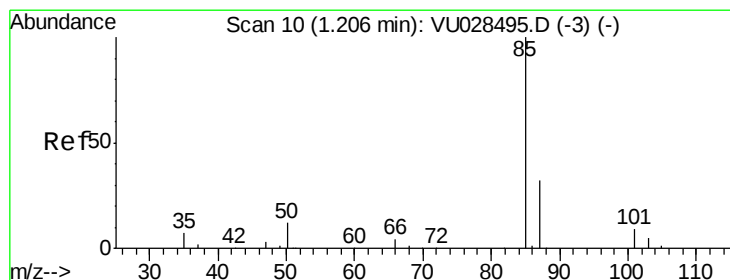
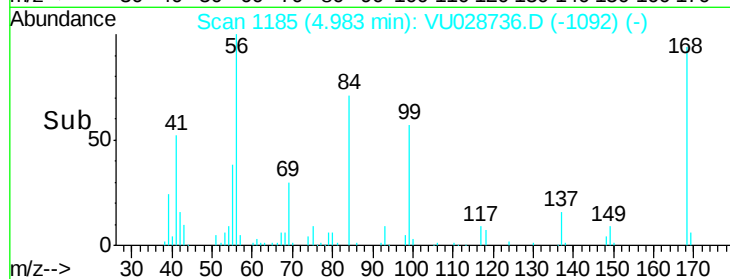
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10000

0

4.90 4.95 5.00 5.05

Time-->



#2

Dichlorodifluoromethane

Concen: 51.234 ug/l

RT: 1.20 min Scan# 9

Delta R.T. -0.00 min

Lab File: VU028736.D

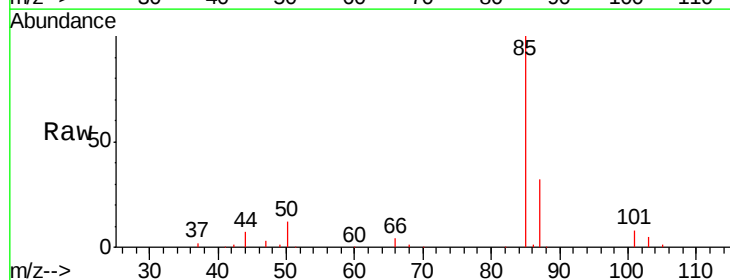
Acq: 17 Dec 2018 21:57

Tgt Ion: 85 Resp: 50205

Ion Ratio Lower Upper

85 100

87 32.3 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VU028495.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU028495.D (-3) (-)

1.20

60000

50000

40000

30000

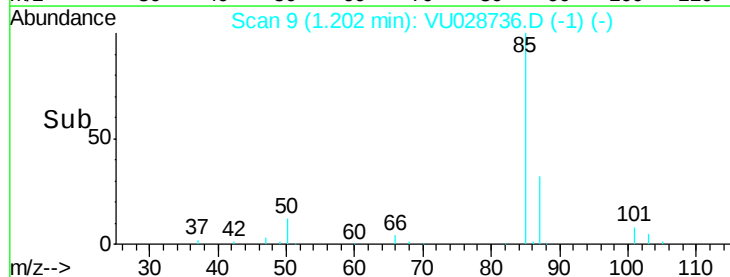
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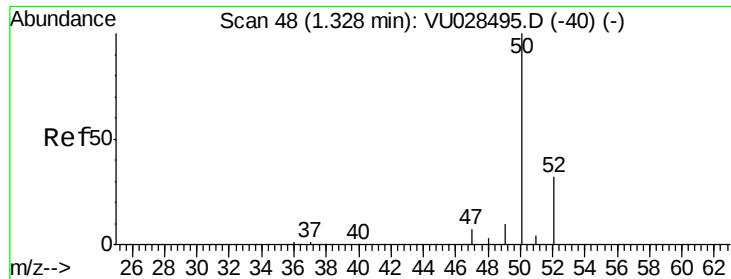
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0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 48.417 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028736.D

Acq: 17 Dec 2018 21:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 87227

Ion Ratio Lower Upper

50 100

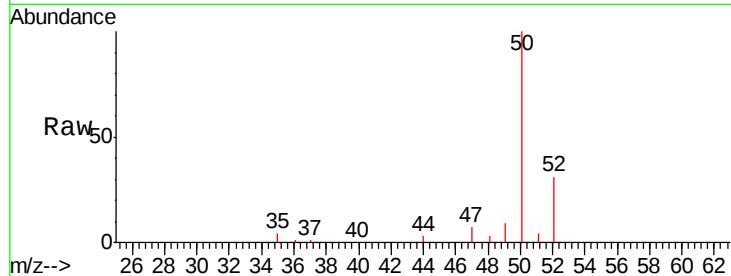
52 31.0 25.5 38.3

Manual Integrations

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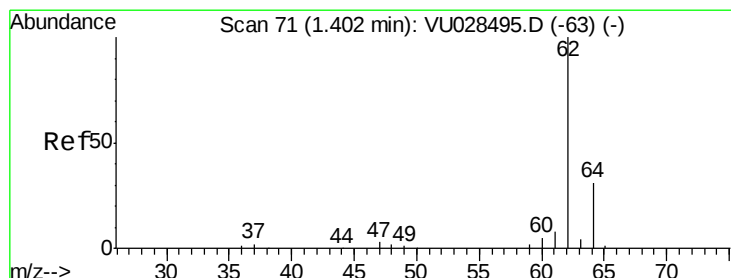
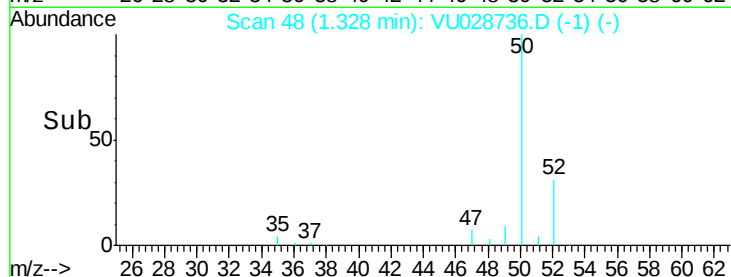
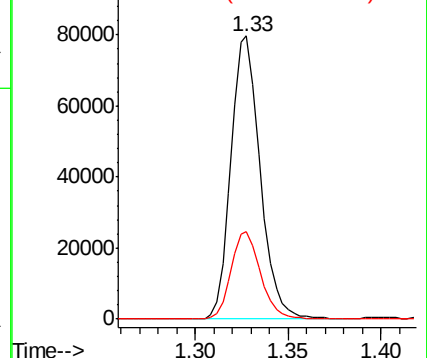
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 50.805 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028736.D

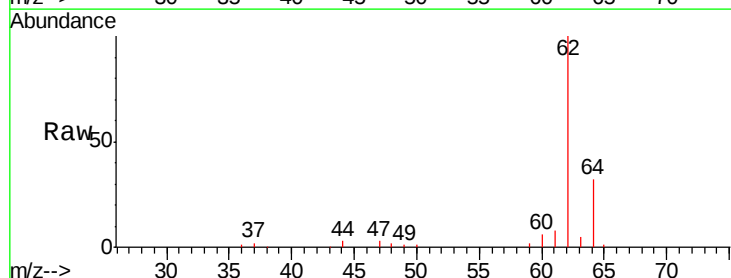
Acq: 17 Dec 2018 21:57

Tgt Ion: 62 Resp: 66053

Ion Ratio Lower Upper

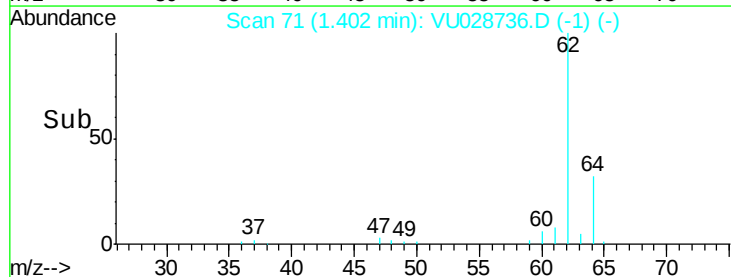
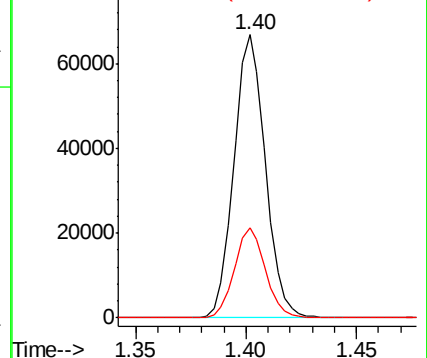
62 100

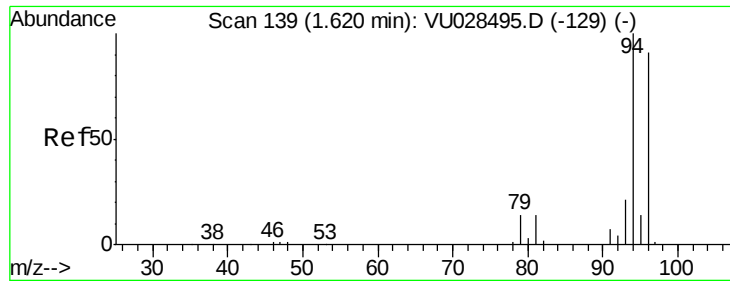
64 32.0 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 64.977 ug/l

RT: 1.60 min Scan# 134

Delta R.T. -0.02 min

Lab File: VU028736.D

Acq: 17 Dec 2018 21:57

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VSTDCCC050

Tgt Ion: 94 Resp: 34030

Ion Ratio Lower Upper

94 100

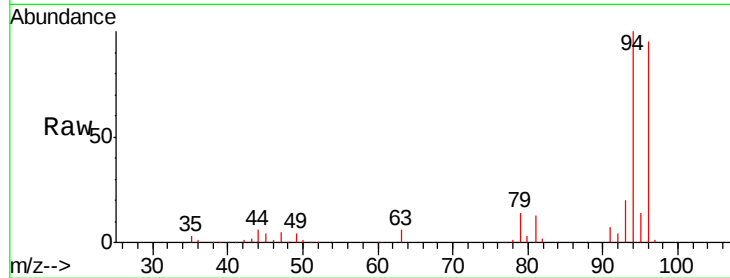
96 95.5 73.2 109.8

Manual Integrations

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12/18/2018 11:31:21 AM



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.60

40000

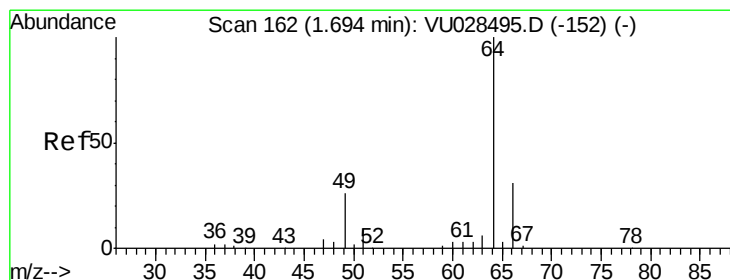
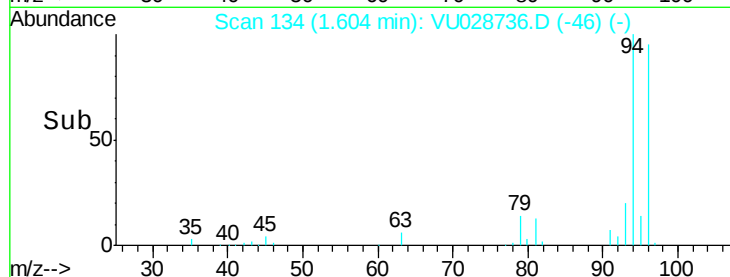
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Time-->



#6

Chloroethane

Concen: 51.489 ug/l

RT: 1.68 min Scan# 157

Delta R.T. -0.02 min

Lab File: VU028736.D

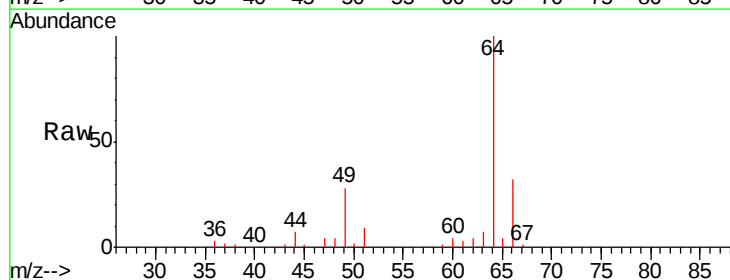
Acq: 17 Dec 2018 21:57

Tgt Ion: 64 Resp: 37898

Ion Ratio Lower Upper

64 100

66 32.5 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

1.68

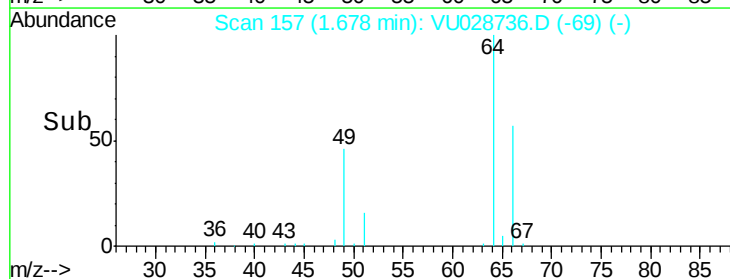
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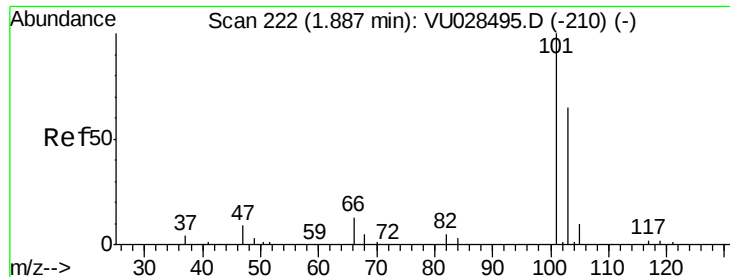
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10000

0

Time-->





#7

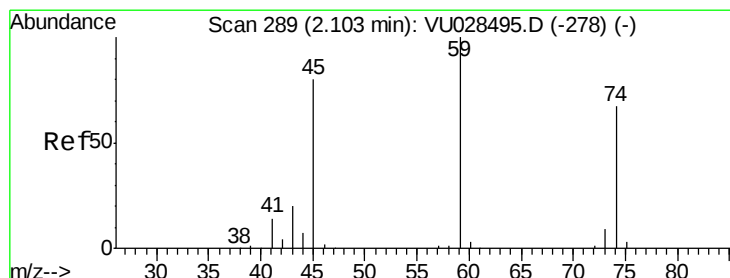
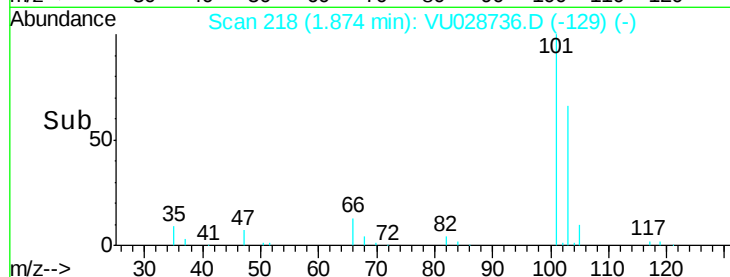
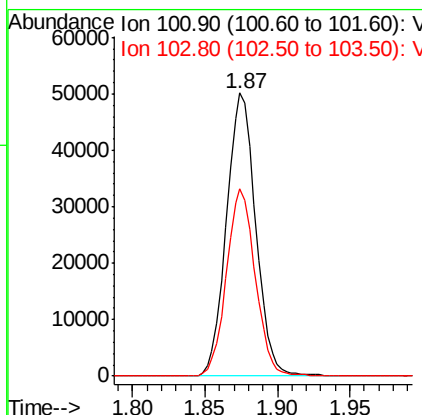
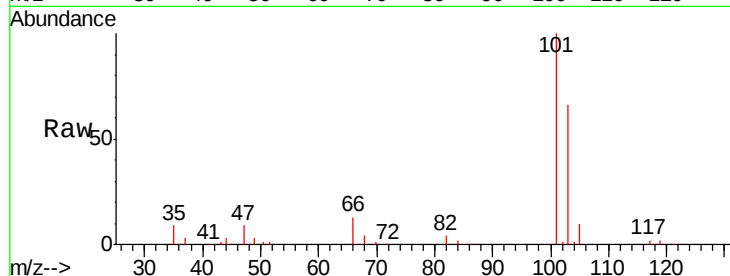
Trichlorofluoromethane
 Concen: 51.212 ug/l
 RT: 1.87 min Scan# 218
 Delta R.T. -0.01 min
 Lab File: VU028736.D
 Acq: 17 Dec 2018 21:57

Instrument :
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 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
101	100		
103	66.1	52.3	78.5

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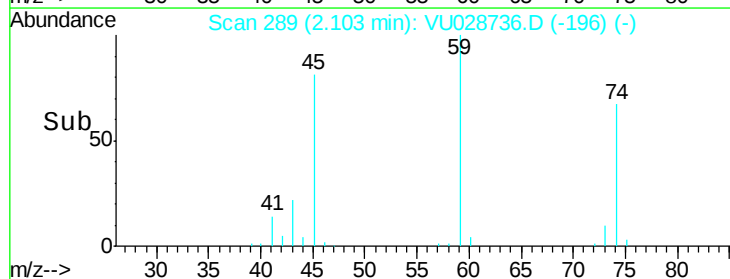
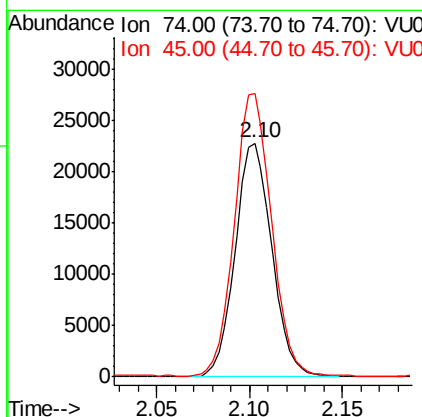
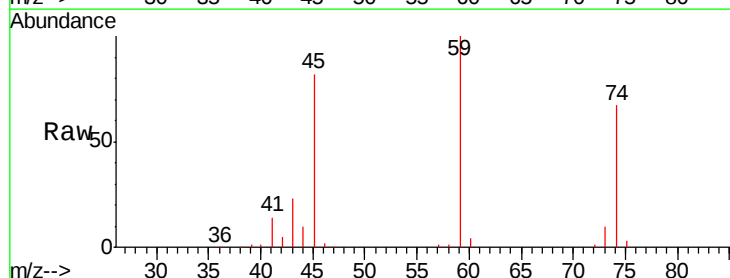
MMDadoda
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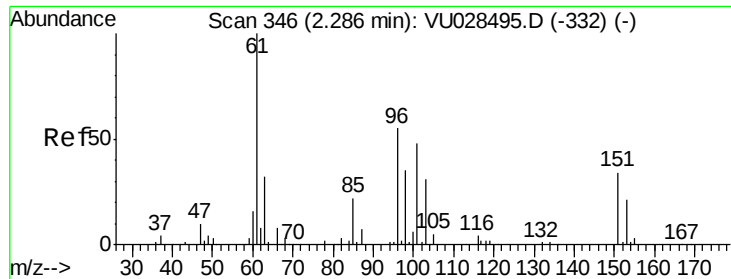


#8

Diethyl Ether
 Concen: 48.993 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: VU028736.D
 Acq: 17 Dec 2018 21:57

Tgt Ion	Ratio	Lower	Upper
74	100		
45	123.6	59.7	179.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.301 ug/l

RT: 2.28 min Scan# 344

Delta R.T. -0.01 min

Lab File: VU028736.D

Acq: 17 Dec 2018 21:57

Instrument :

MSVOA_U

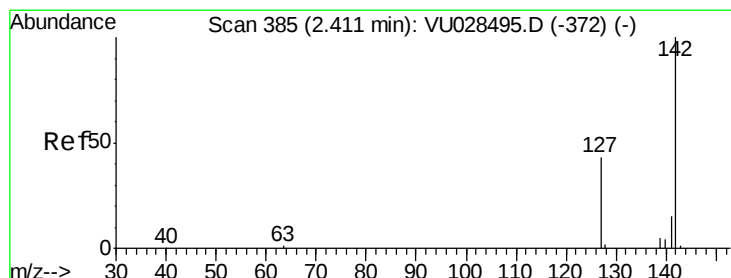
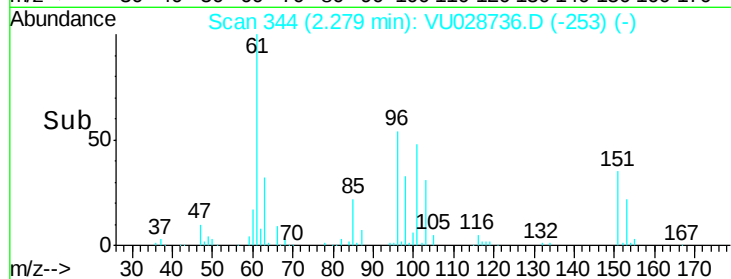
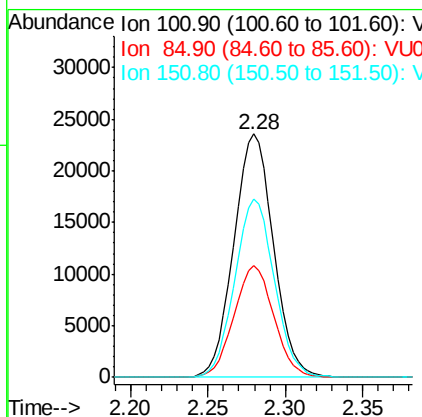
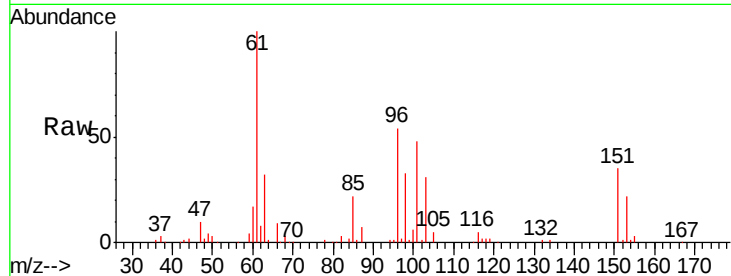
ClientSampleId :

VSTDCCC050

Tgt Ion:	101	Resp:	41969
Ion Ratio	Lower	Upper	
101	100		
85	46.1	36.4	54.6
151	73.1	58.2	87.2

Manual Integrations
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#10

Methyl Iodide

Concen: 69.380 ug/l

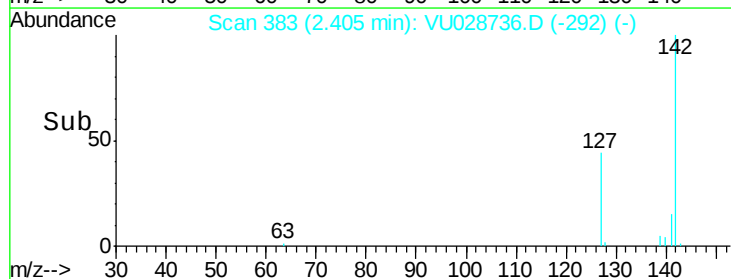
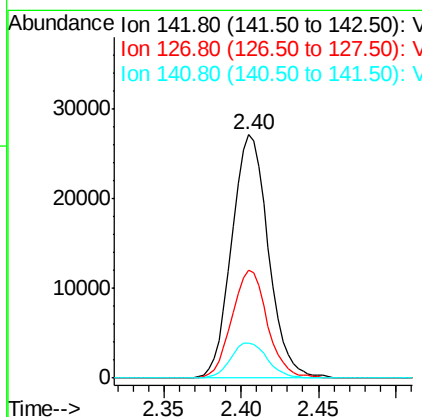
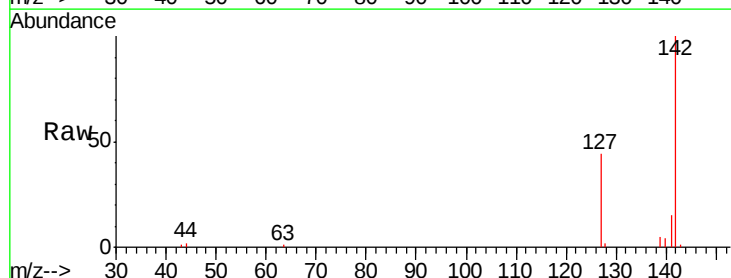
RT: 2.40 min Scan# 383

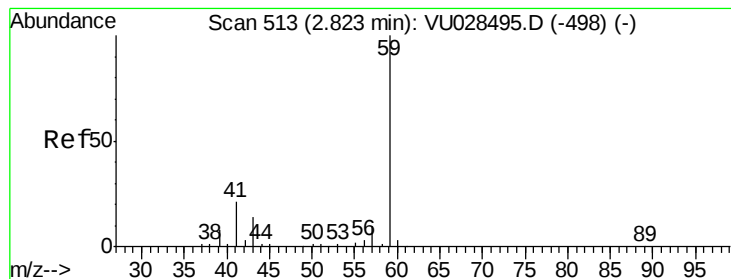
Delta R.T. -0.01 min

Lab File: VU028736.D

Acq: 17 Dec 2018 21:57

Tgt Ion:	142	Resp:	44536
Ion Ratio	Lower	Upper	
142	100		
127	42.9	33.5	50.3
141	14.5	11.2	16.8





#11

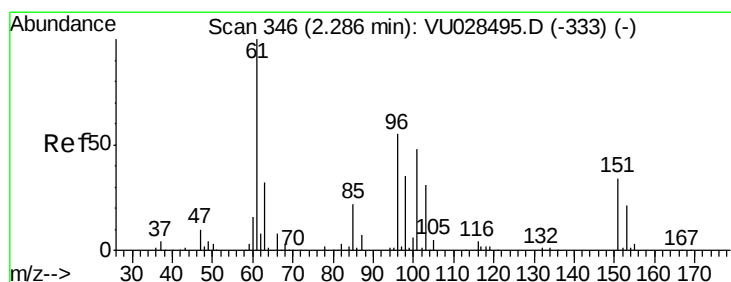
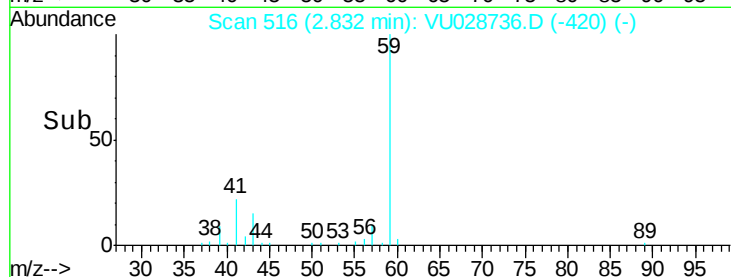
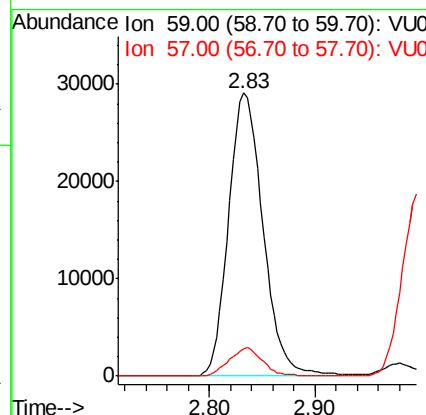
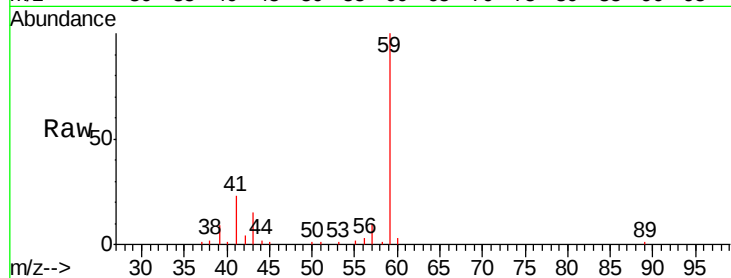
Tert butyl alcohol
Concen: 265.839 ug/l
RT: 2.83 min Scan# 516
Delta R.T. 0.01 min
Lab File: VU028736.D
Acq: 17 Dec 2018 21:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
59	100	66080		
57	9.6		8.0	12.0

Manual Integrations
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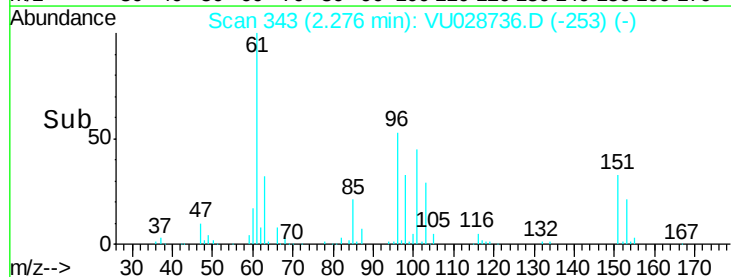
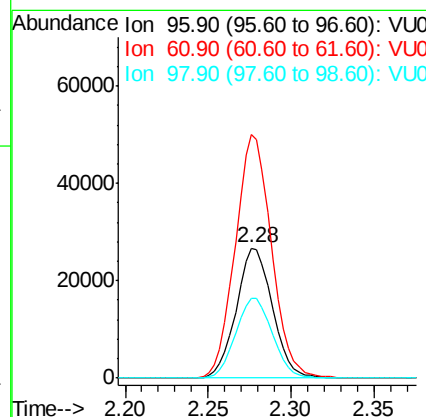
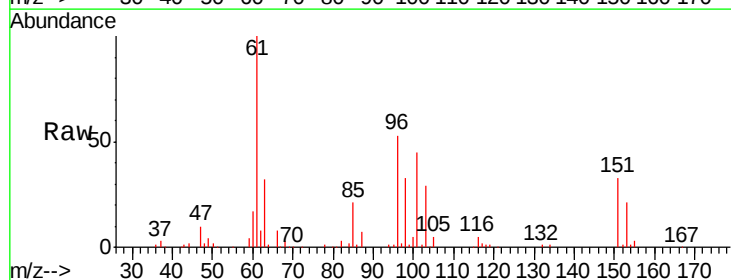
MMDadoda
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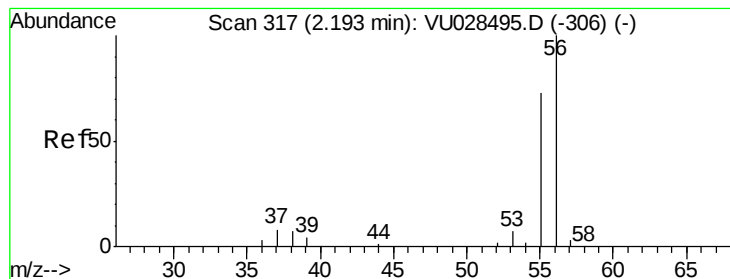


#12

1,1-Dichloroethene
Concen: 49.839 ug/l
RT: 2.28 min Scan# 343
Delta R.T. -0.01 min
Lab File: VU028736.D
Acq: 17 Dec 2018 21:57

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	40568		
61	187.8		146.4	219.6
98	61.6		51.8	77.8





#13

Acrolein

Concen: 350.512 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU028736.D

Acq: 17 Dec 2018 21:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 69457

Ion Ratio Lower Upper

56 100

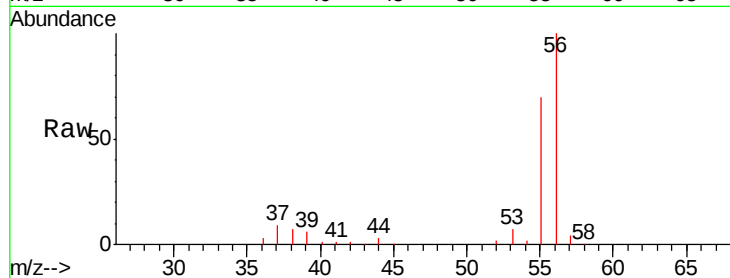
55 72.6 57.5 86.3

Manual Integrations

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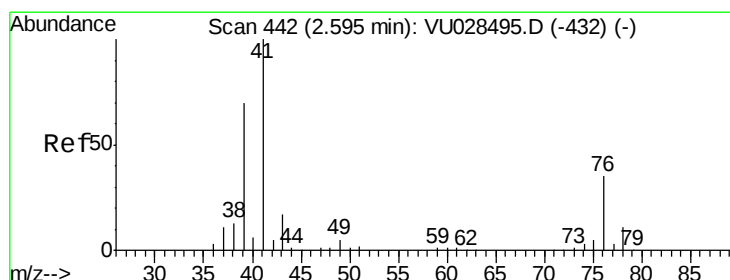
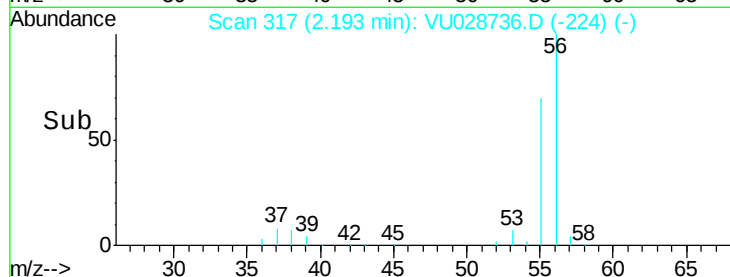
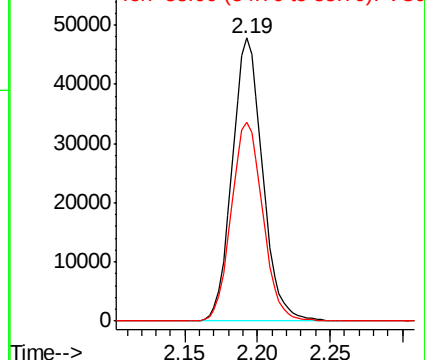
MMDadoda

12/18/2018 11:31:21 AM



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 56.303 ug/l

RT: 2.59 min Scan# 440

Delta R.T. -0.01 min

Lab File: VU028736.D

Acq: 17 Dec 2018 21:57

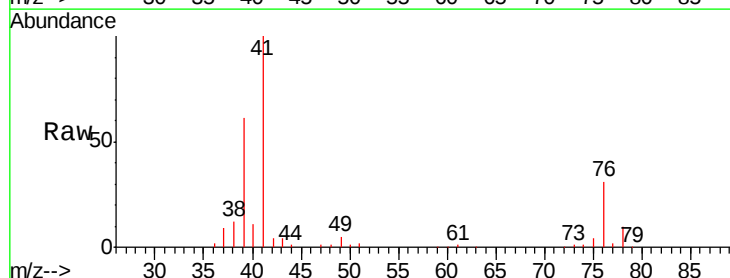
Tgt Ion: 41 Resp: 108418

Ion Ratio Lower Upper

41 100

39 56.3 50.8 76.2

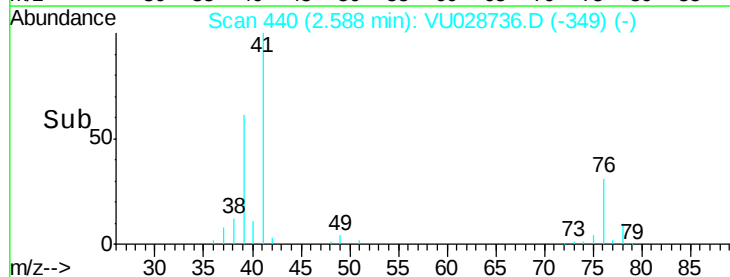
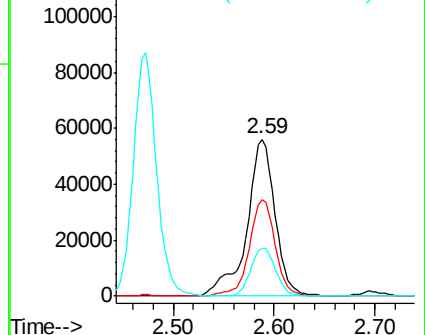
76 27.1 24.8 37.2

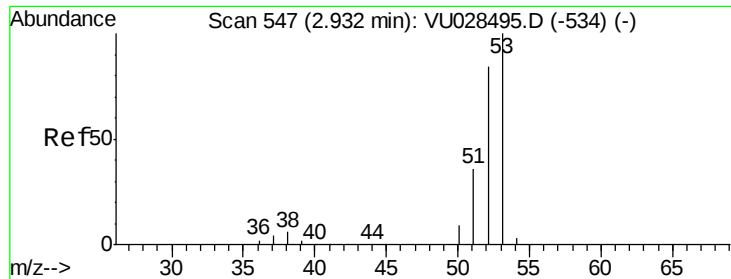


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 275.540 ug/l

RT: 2.93 min Scan# 547

Delta R.T. -0.00 min

Lab File: VU028736.D

Acq: 17 Dec 2018 21:57

Instrument :

MSVOA_U

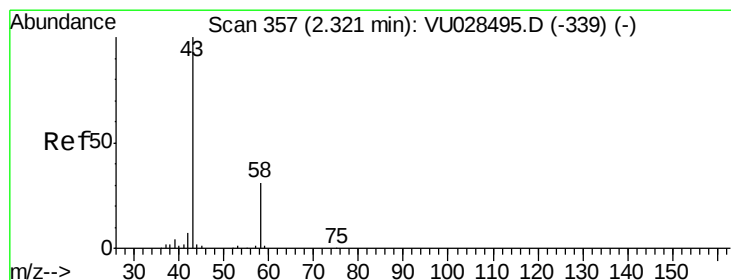
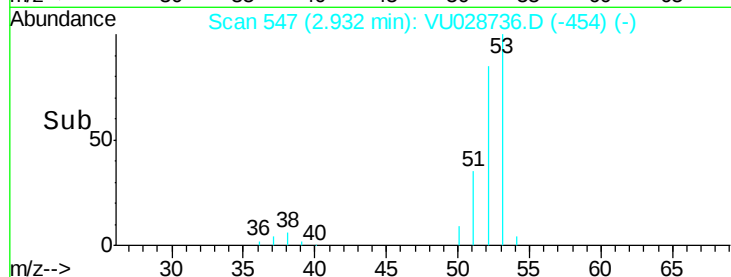
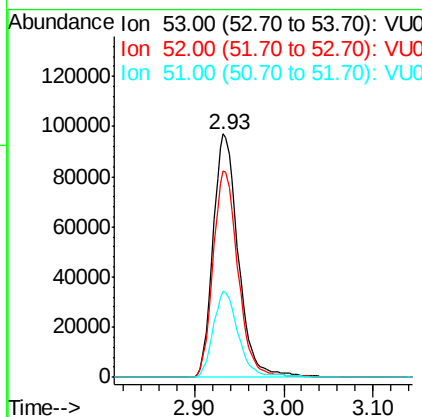
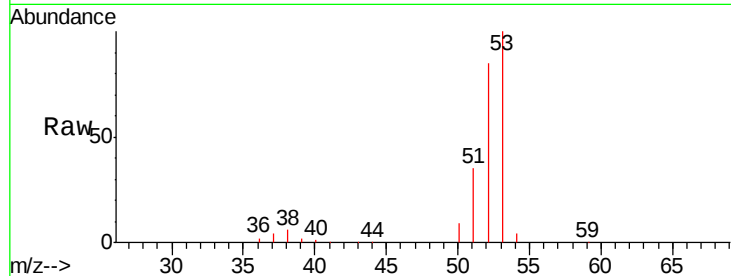
ClientSampleId :

VSTDCCC050

Tgt Ion:	53	Resp:	190154
Ion	Ratio	Lower	Upper
53	100		
52	83.8	66.1	99.1
51	35.6	28.1	42.1

Manual Integrations
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#16

Acetone

Concen: 209.038 ug/l

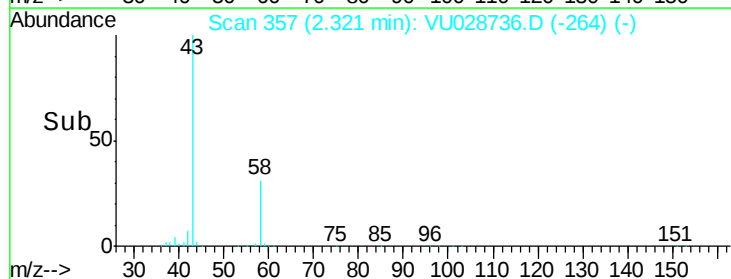
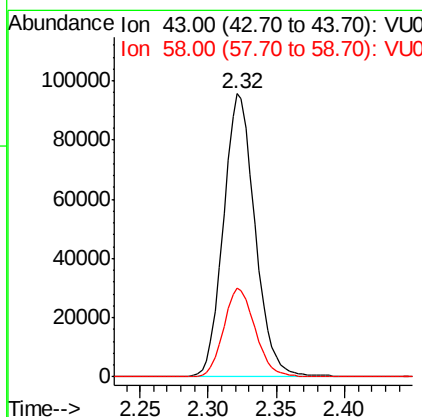
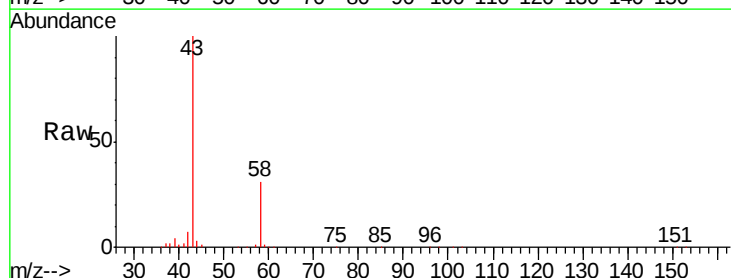
RT: 2.32 min Scan# 357

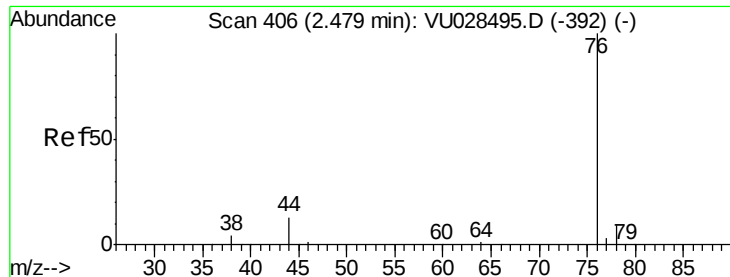
Delta R.T. -0.00 min

Lab File: VU028736.D

Acq: 17 Dec 2018 21:57

Tgt Ion:	43	Resp:	152188
Ion	Ratio	Lower	Upper
43	100		
58	31.2	24.6	37.0





#17

Carbon Disulfide

Concen: 47.722 ug/l

RT: 2.47 min Scan# 404

Delta R.T. -0.01 min

Lab File: VU028736.D

Acq: 17 Dec 2018 21:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 139940

Ion Ratio Lower Upper

76 100

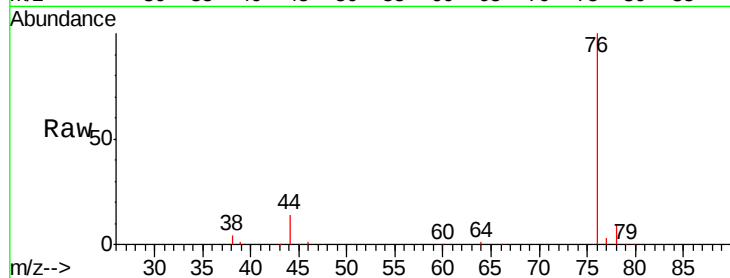
78 9.4 7.2 10.8

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

2.47

80000

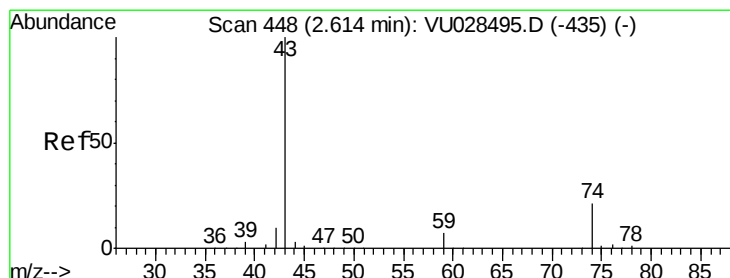
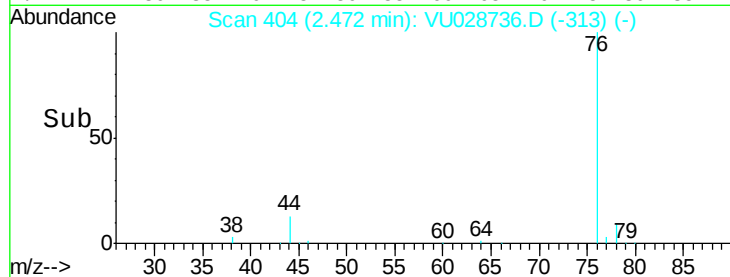
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 61.453 ug/l

RT: 2.61 min Scan# 448

Delta R.T. -0.00 min

Lab File: VU028736.D

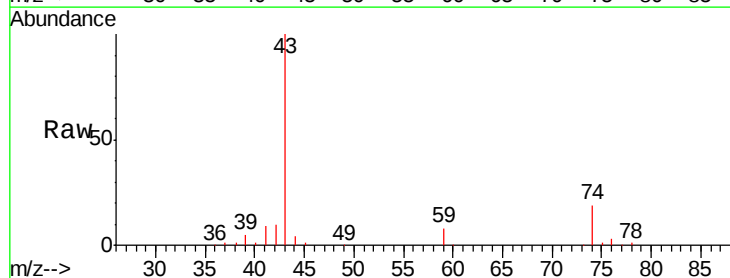
Acq: 17 Dec 2018 21:57

Tgt Ion: 43 Resp: 115978

Ion Ratio Lower Upper

43 100

74 19.2 16.4 24.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

2.61

80000

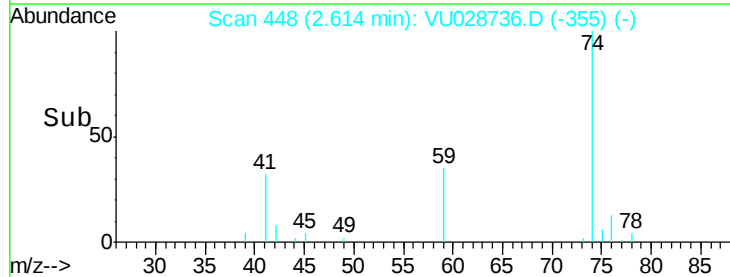
60000

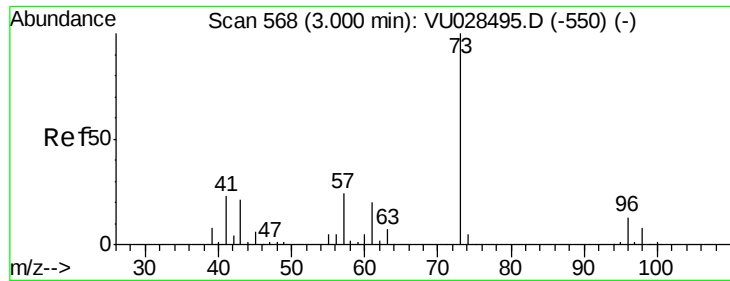
40000

20000

0

Time-->





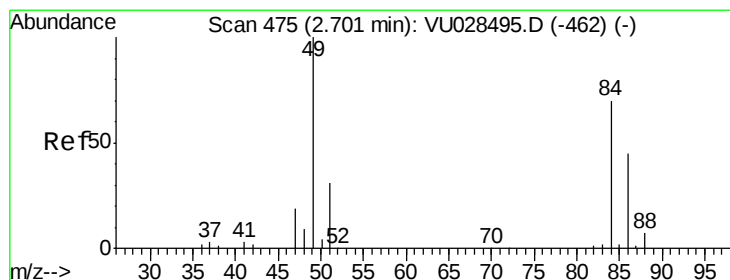
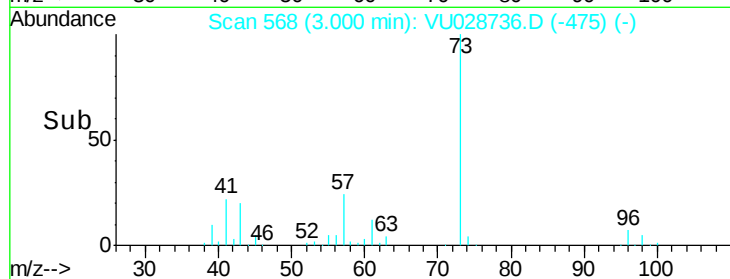
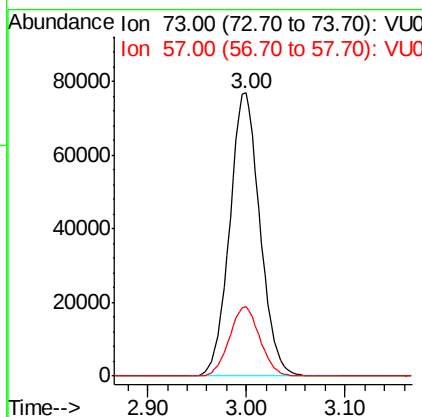
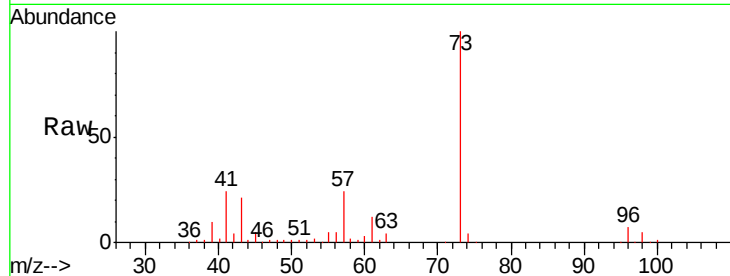
#19
Methyl tert-butyl Ether
Concen: 53.187 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU028736.D
Acq: 17 Dec 2018 21:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 164121
Ion Ratio Lower Upper
73 100
57 24.4 19.4 29.2

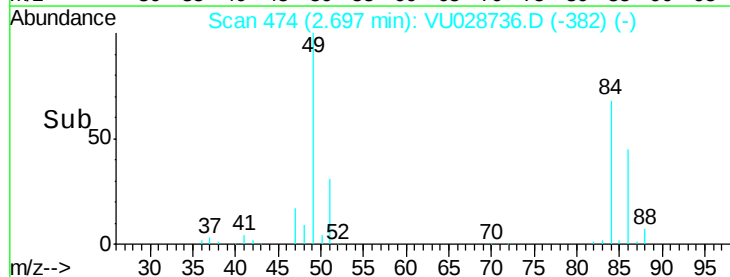
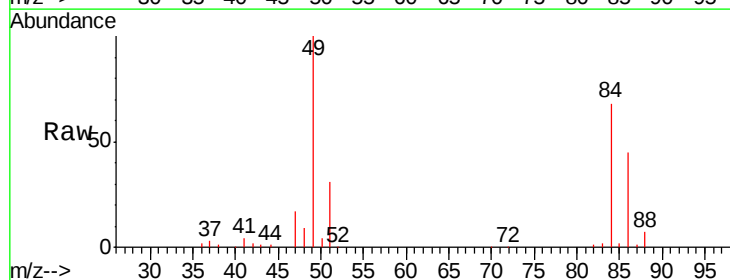
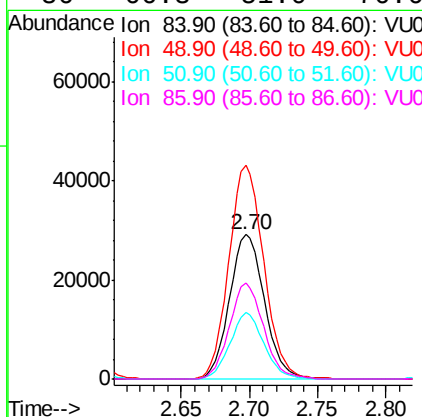
Manual Integrations
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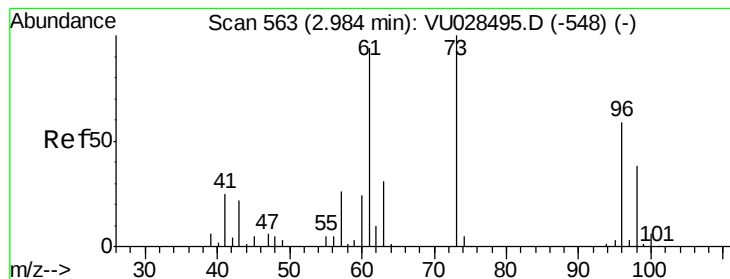
MMDadoda
12/18/2018 11:31:21 AM



#20
Methylene Chloride
Concen: 48.552 ug/l
RT: 2.70 min Scan# 474
Delta R.T. -0.00 min
Lab File: VU028736.D
Acq: 17 Dec 2018 21:57

Tgt Ion: 84 Resp: 52108
Ion Ratio Lower Upper
84 100
49 148.0 114.0 171.0
51 45.9 35.1 52.7
86 66.3 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 49.673 ug/l

RT: 2.98 min Scan# 561

Delta R.T. -0.01 min

Lab File: VU028736.D

Acq: 17 Dec 2018 21:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tgt Ion: 96 Resp: 45524

Ion Ratio Lower Upper

96 100

61 162.5 127.0 190.4

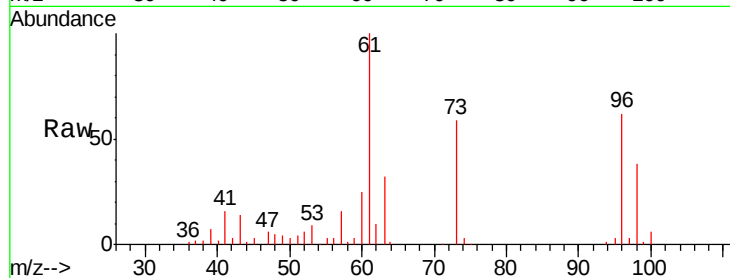
98 62.4 51.9 77.9

Manual Integrations

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MMDadoda

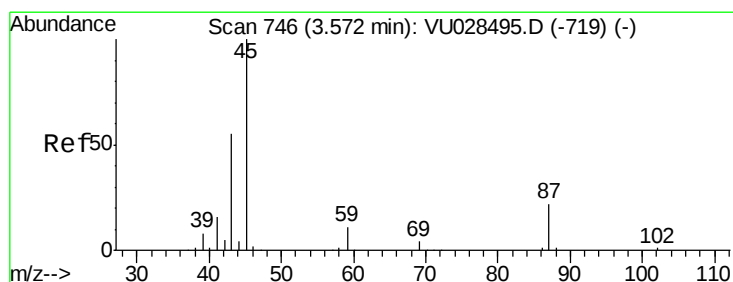
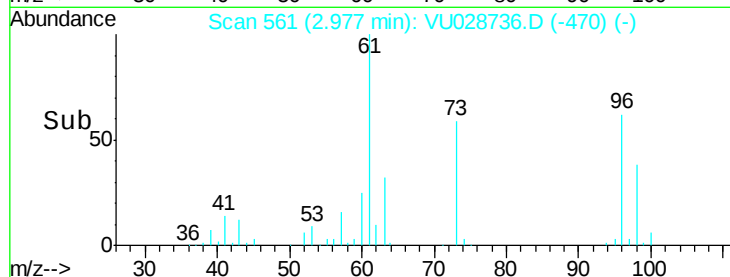
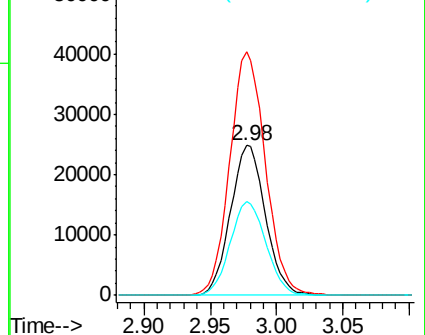
12/18/2018 11:31:21 AM



Abundance Ion 95.90 (95.60 to 96.60): VU028495.D (-548) (-)

Ion 60.90 (60.60 to 61.60): VU028495.D (-548) (-)

Ion 97.90 (97.60 to 98.60): VU028495.D (-548) (-)



#22

Diisopropyl ether

Concen: 55.400 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU028736.D

Acq: 17 Dec 2018 21:57

Tgt Ion: 45 Resp: 207455

Ion Ratio Lower Upper

45 100

43 54.4 45.3 67.9

87 21.8 17.6 26.4

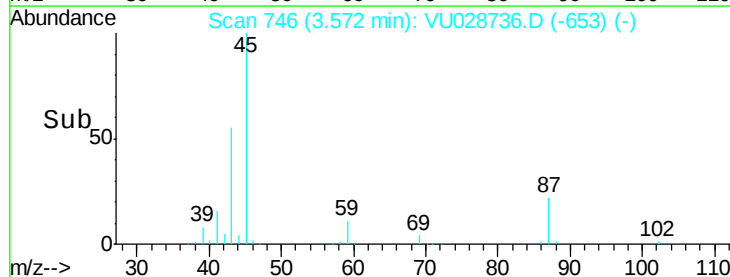
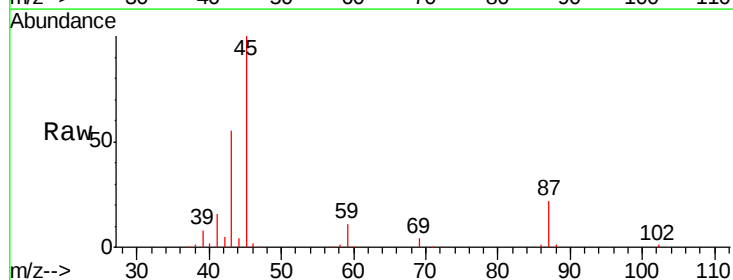
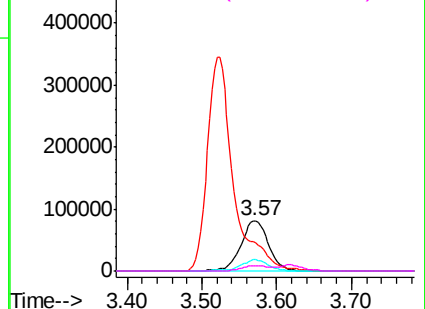
59 10.6 8.8 13.2

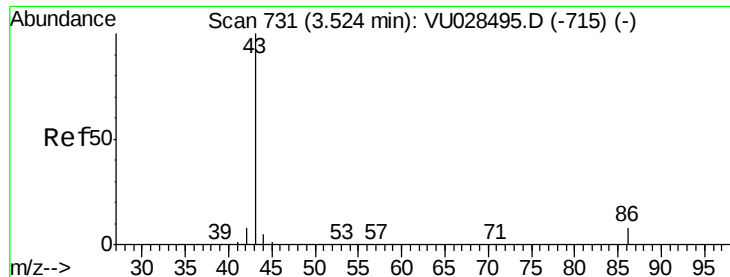
Abundance Ion 45.00 (44.70 to 45.70): VU028495.D (-719) (-)

Ion 43.00 (42.70 to 43.70): VU028495.D (-719) (-)

Ion 87.00 (86.70 to 87.70): VU028495.D (-719) (-)

Ion 59.00 (58.70 to 59.70): VU028495.D (-719) (-)





#23

Vinyl Acetate

Concen: 270.771 ug/l

RT: 3.52 min Scan# 730

Delta R.T. -0.00 min

Lab File: VU028736.D

Acq: 17 Dec 2018 21:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 836347

Ion Ratio Lower Upper

43 100

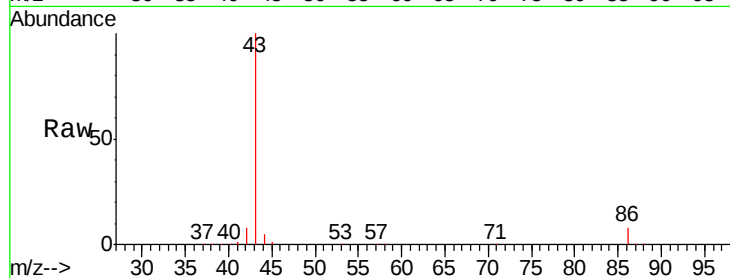
86 8.1 6.8 10.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU028736.D (-638) (-)

Ion 86.00 (85.70 to 86.70): VU028736.D (-638) (-)

3.52

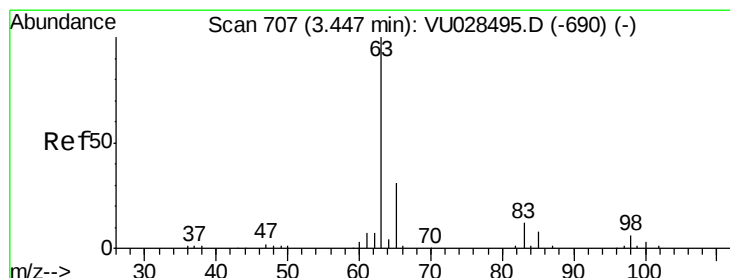
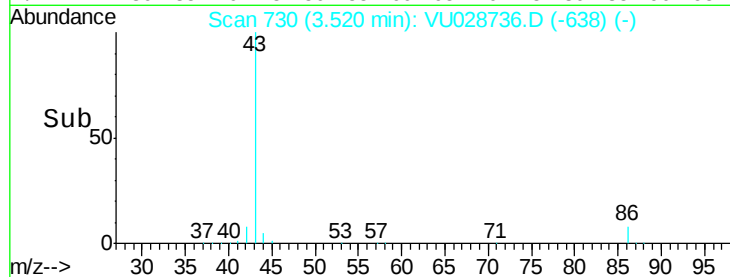
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 52.841 ug/l

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU028736.D

Acq: 17 Dec 2018 21:57

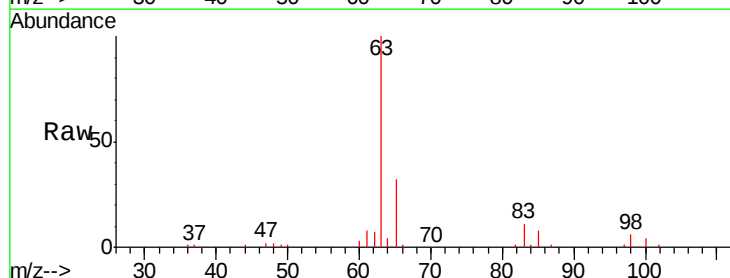
Tgt Ion: 63 Resp: 103578

Ion Ratio Lower Upper

63 100

98 6.0 3.0 9.2

100 3.7 1.7 5.1



Abundance Ion 62.90 (62.60 to 63.60): VU028736.D (-614) (-)

Ion 97.90 (97.60 to 98.60): VU028736.D (-614) (-)

Ion 99.90 (99.60 to 100.60): VU028736.D (-614) (-)

3.44

60000

50000

40000

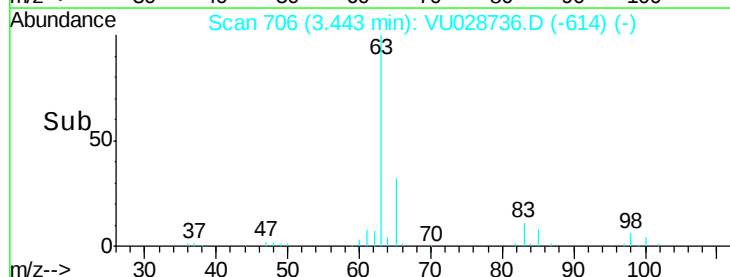
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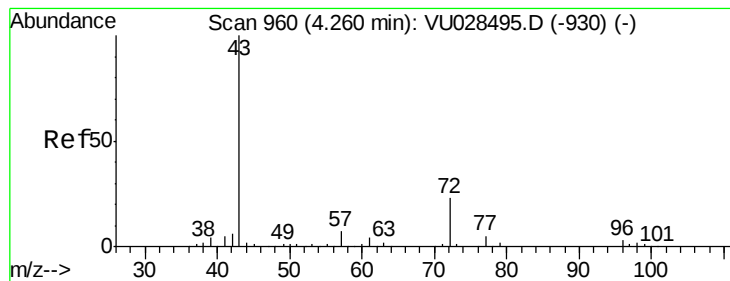
20000

10000

0

Time-->





#25

2-Butanone

Concen: 263.355 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU028736.D

Acq: 17 Dec 2018 21:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 262022

Ion Ratio Lower Upper

43 100

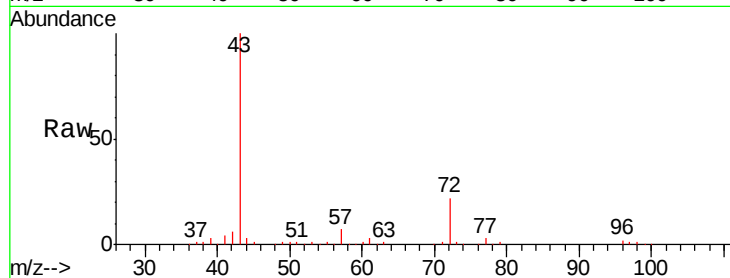
72 22.5 18.6 28.0

Manual Integrations

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MMDadoda

12/18/2018 11:31:21 AM



Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-930) (-)

Ion 72.00 (71.70 to 72.70): VU028495.D (-930) (-)

120000

100000

80000

60000

40000

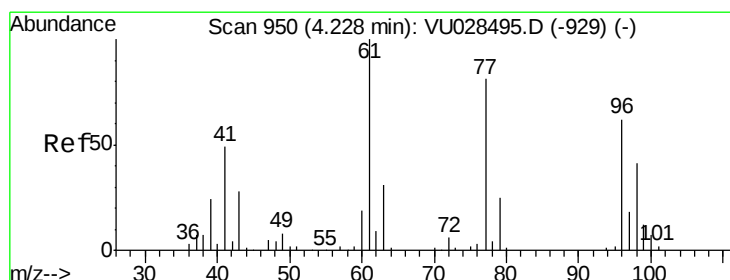
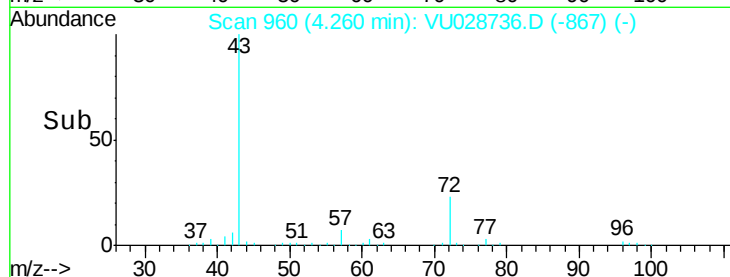
20000

0

4.20

4.30

Time-->



#26

2,2-Dichloropropane

Concen: 47.188 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU028736.D

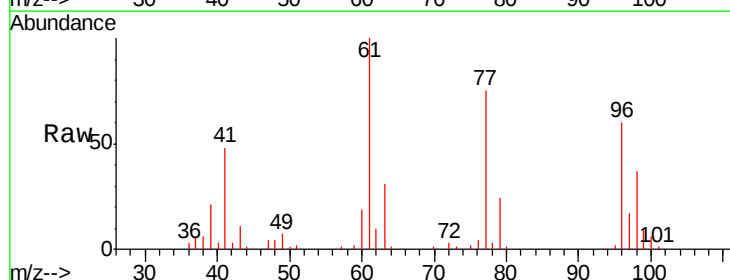
Acq: 17 Dec 2018 21:57

Tgt Ion: 77 Resp: 73291

Ion Ratio Lower Upper

77 100

97 21.9 11.0 33.0



Abundance Ion 76.90 (76.60 to 77.60): VU028736.D (-857) (-)

Ion 96.90 (96.60 to 97.60): VU028736.D (-857) (-)

30000

25000

20000

15000

10000

5000

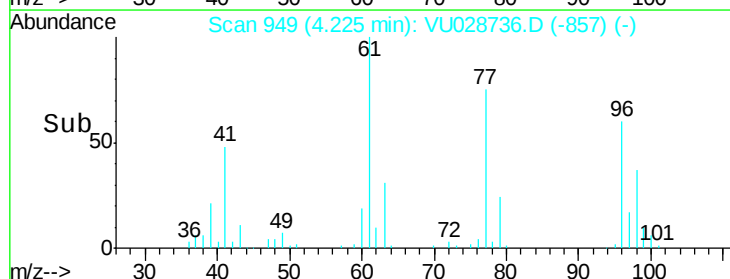
0

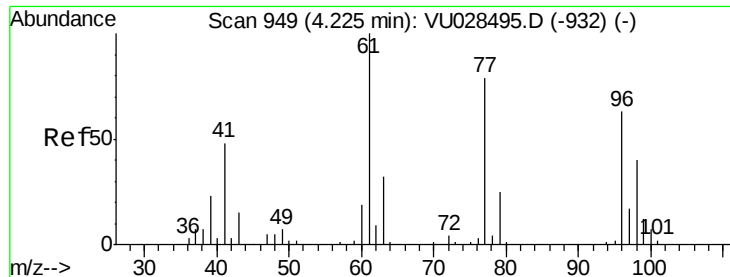
4.10

4.20

4.30

Time-->





#27

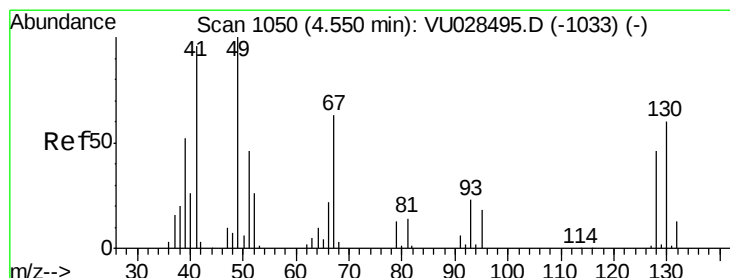
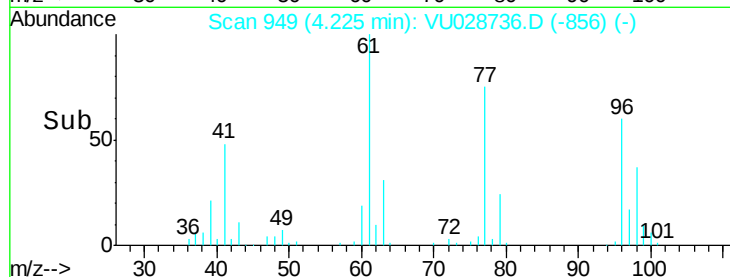
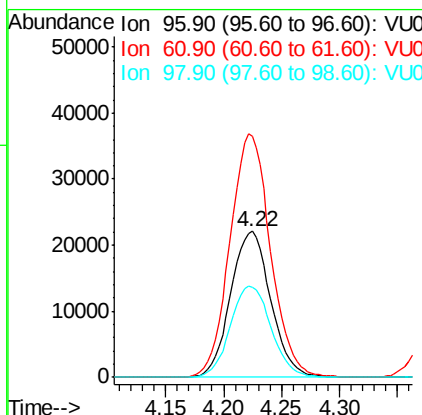
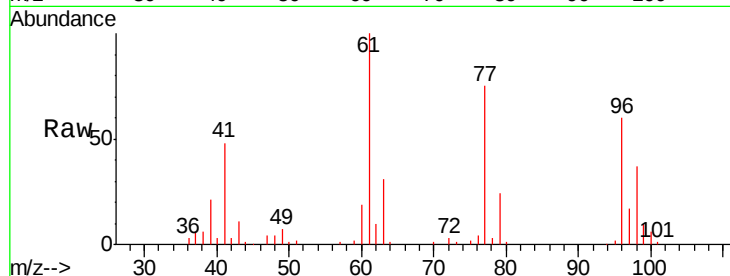
cis-1,2-Dichloroethene
Concen: 51.375 ug/l
RT: 4.22 min Scan# 949
Delta R.T. -0.00 min
Lab File: VU028736.D
Acq: 17 Dec 2018 21:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	53292		
61	168.3	0.0	332.4	
98	63.7	0.0	129.0	

Manual Integrations
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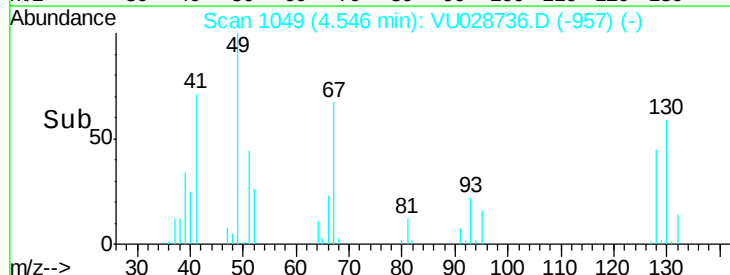
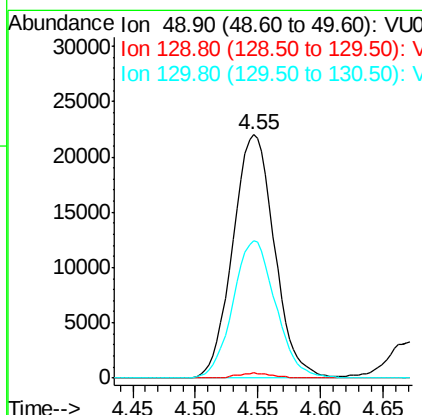
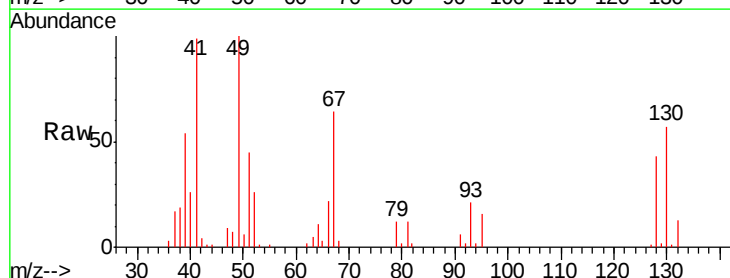
MMDadoda
12/18/2018 11:31:21 AM

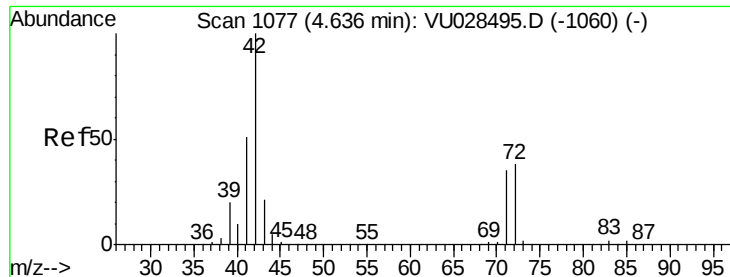


#28

Bromochloromethane
Concen: 57.156 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VU028736.D
Acq: 17 Dec 2018 21:57

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	50932		
129	1.6	0.0	3.0	
130	57.6	47.8	71.8	





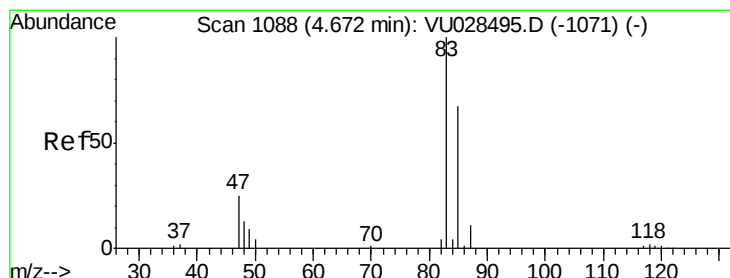
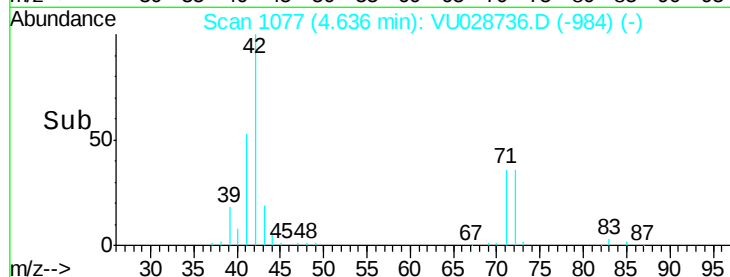
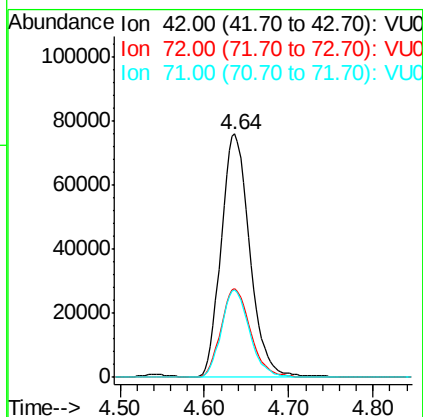
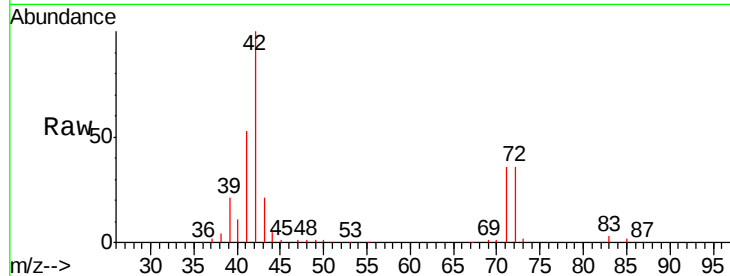
#29
Tetrahydrofuran
Concen: 279.792 ug/l
RT: 4.64 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VU028736.D
Acq: 17 Dec 2018 21:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
42	100		
72	37.5	31.4	47.0
71	35.4	28.6	43.0

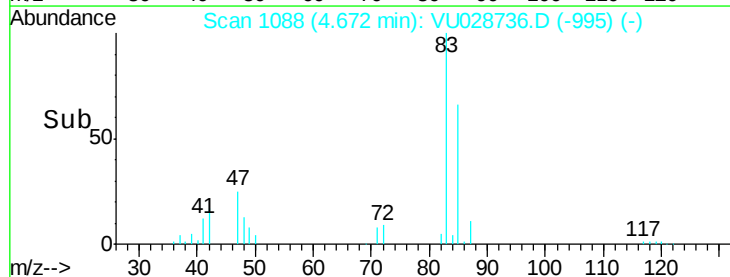
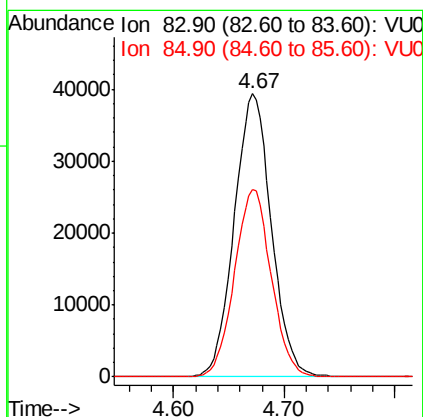
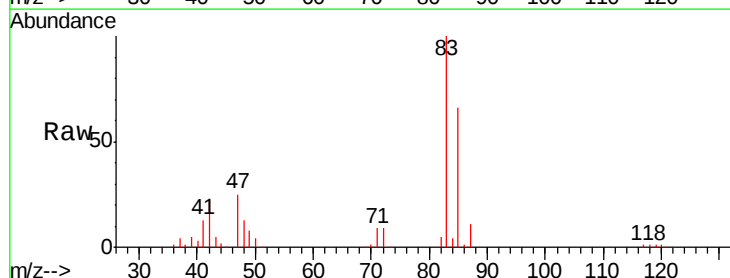
Manual Integrations
APPROVED

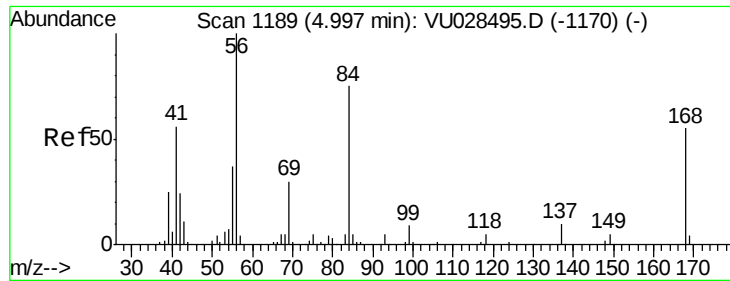
MMDadoda
12/18/2018 11:31:21 AM



#30
Chloroform
Concen: 53.537 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VU028736.D
Acq: 17 Dec 2018 21:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	53.6	80.4





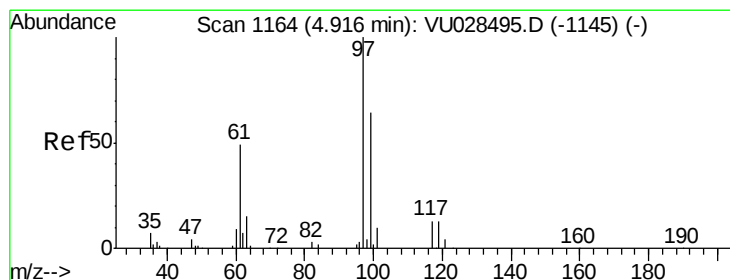
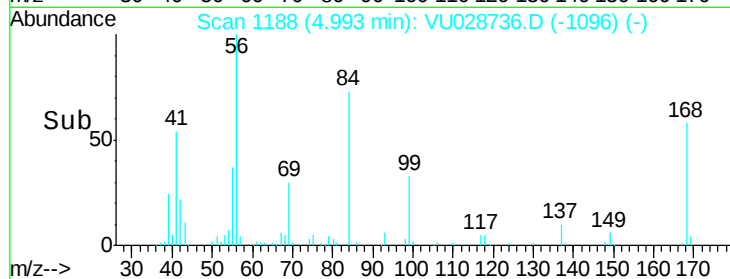
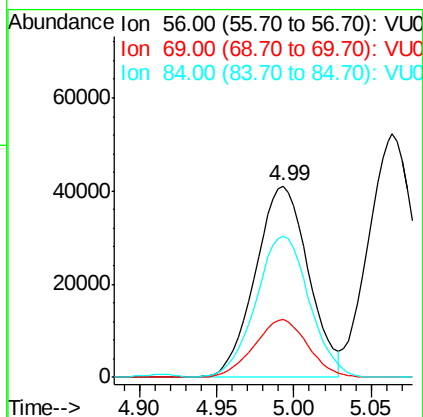
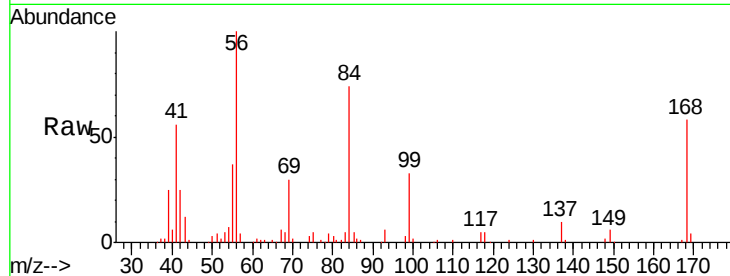
#31
Cyclohexane
Concen: 51.338 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU028736.D
Acq: 17 Dec 2018 21:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.2	24.0	36.0
84	73.3	59.7	89.5

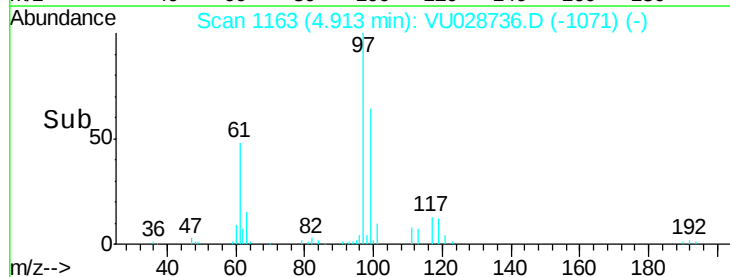
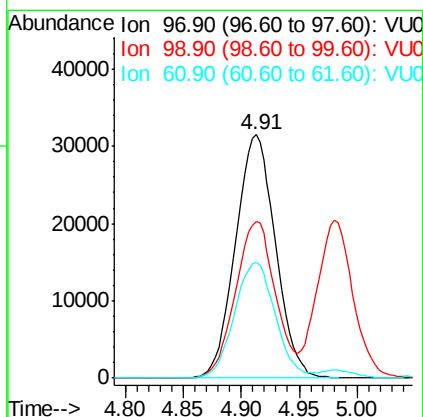
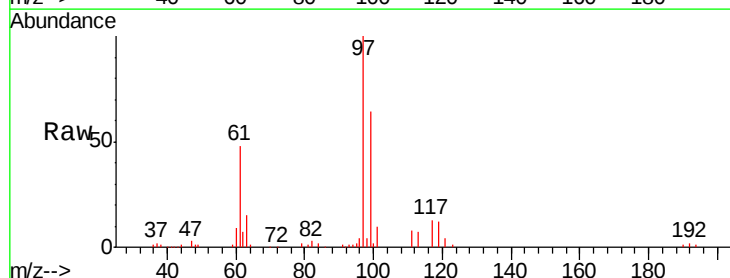
Manual Integrations
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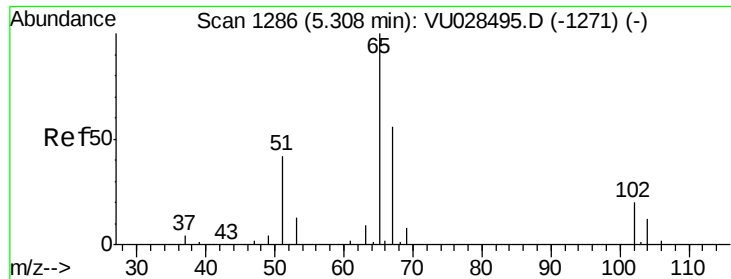
MMDadoda
12/18/2018 11:31:21 AM



#32
1,1,1-Trichloroethane
Concen: 53.136 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. -0.00 min
Lab File: VU028736.D
Acq: 17 Dec 2018 21:57

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	52.3	78.5
61	48.7	39.0	58.6





#33

1,2-Dichloroethane-d4

Concen: 52.119 ug/l

RT: 5.30 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VU028736.D

Acq: 17 Dec 2018 21:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tgt Ion: 65 Resp: 58149

Ion Ratio Lower Upper

65 100

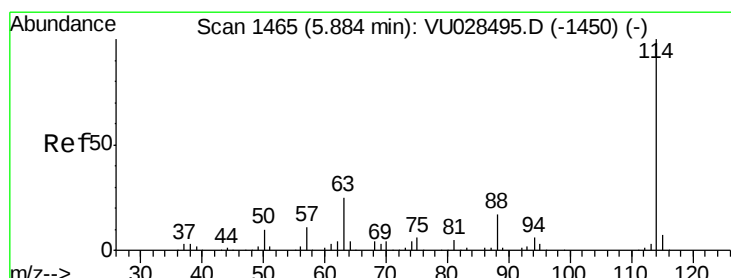
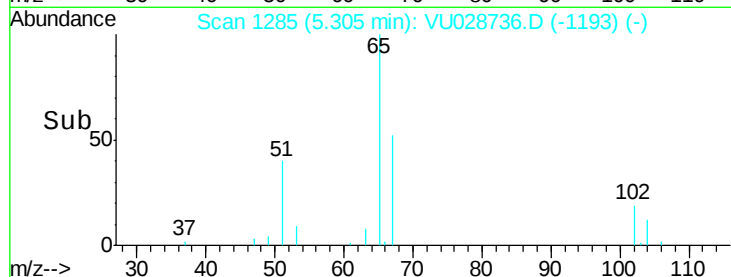
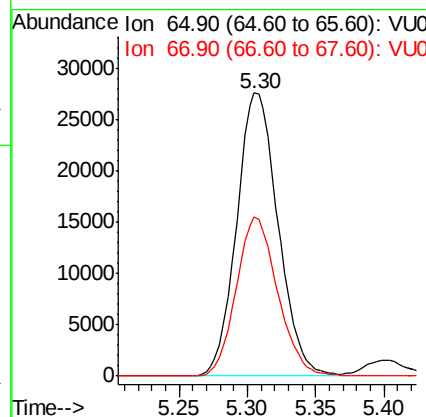
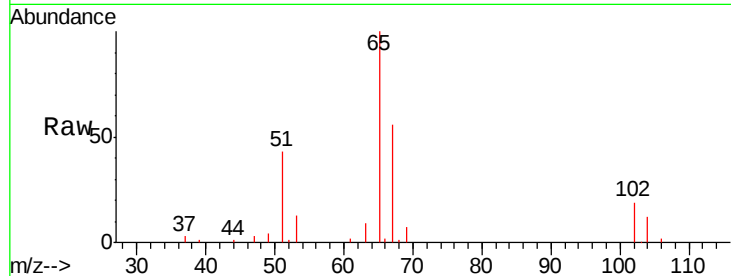
67 56.1 0.0 110.6

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.88 min Scan# 1465

Delta R.T. -0.00 min

Lab File: VU028736.D

Acq: 17 Dec 2018 21:57

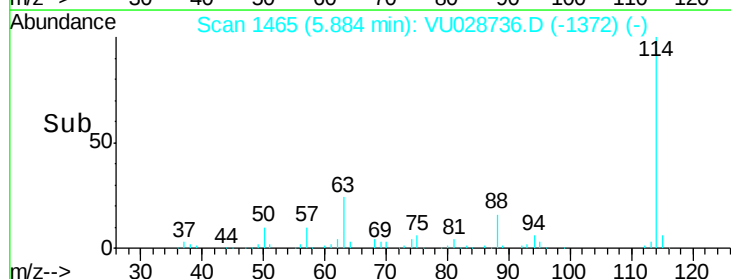
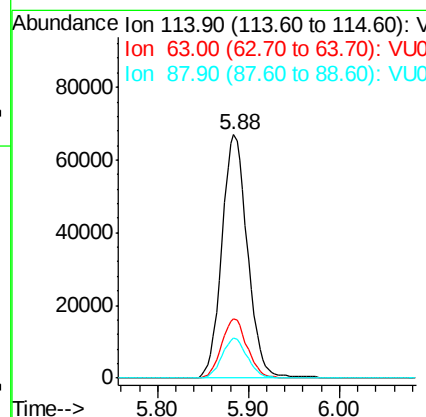
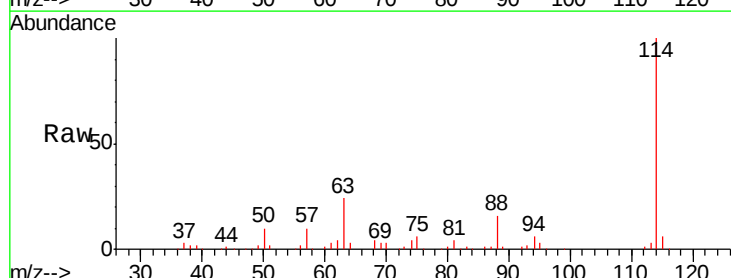
Tgt Ion: 114 Resp: 131246

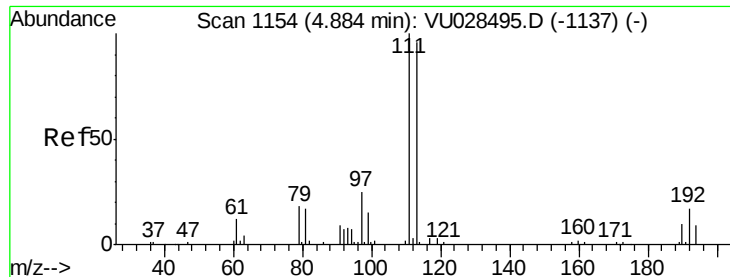
Ion Ratio Lower Upper

114 100

63 24.4 0.0 49.2

88 16.4 0.0 33.4





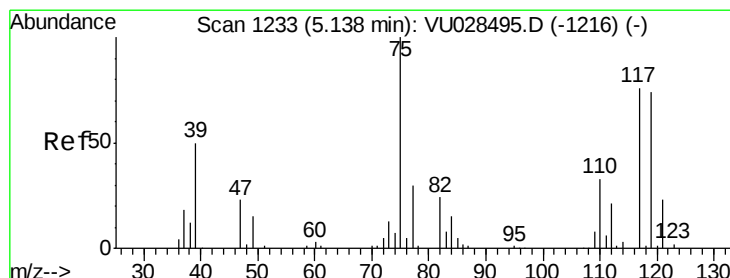
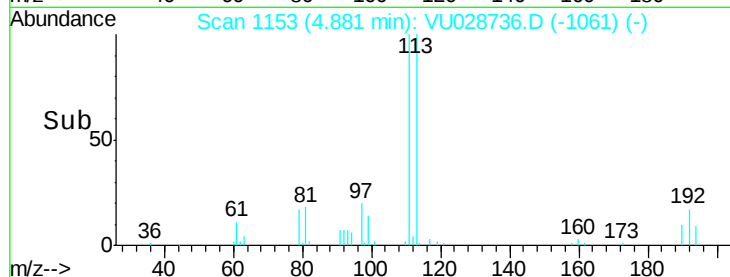
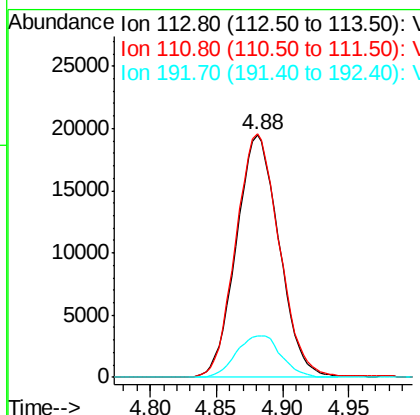
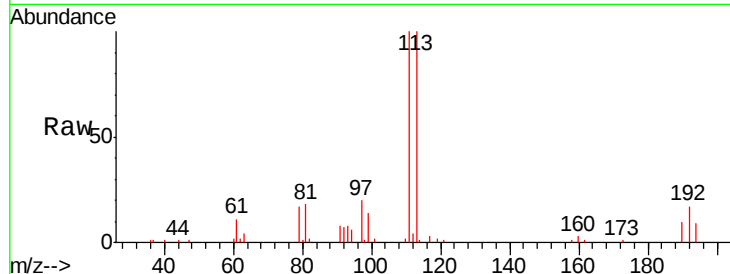
#35
 Dibromofluoromethane
 Concen: 52.907 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028736.D
 Acq: 17 Dec 2018 21:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	43698		
111	102.1	83.4	125.0	
192	17.9	14.8	22.2	

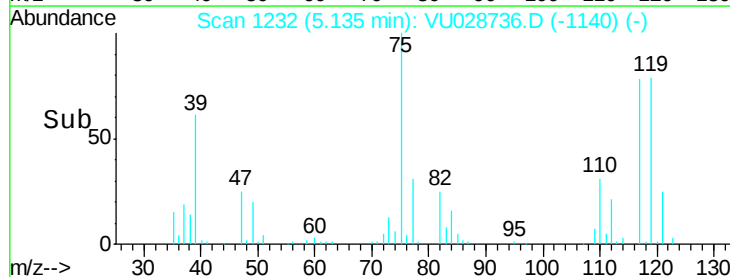
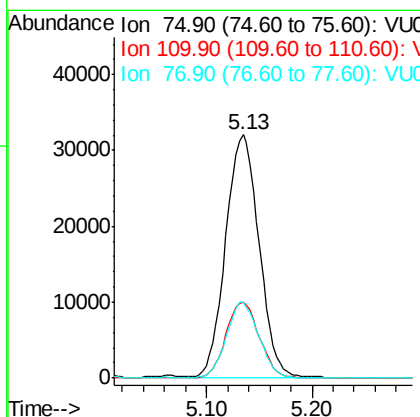
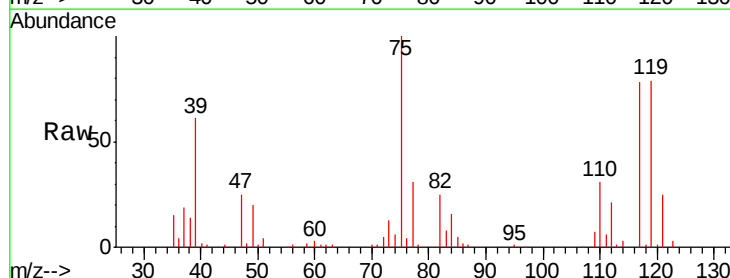
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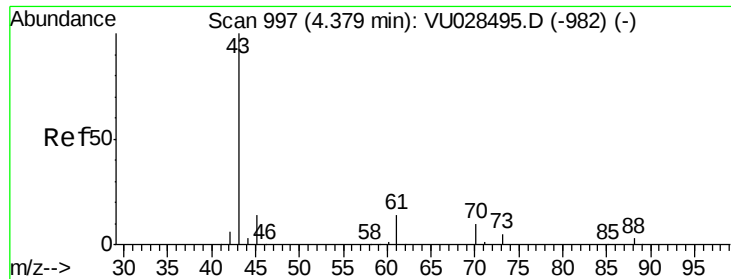
MMDadoda
 12/18/2018 11:31:21 AM



#36
 1,1-Dichloropropene
 Concen: 49.251 ug/l
 RT: 5.13 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU028736.D
 Acq: 17 Dec 2018 21:57

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	70735		
110	31.1	16.1	48.2	
77	30.3	24.5	36.7	





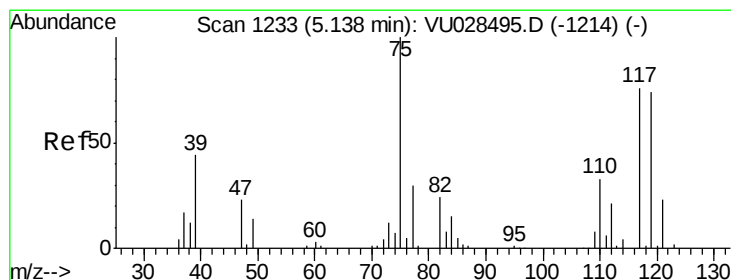
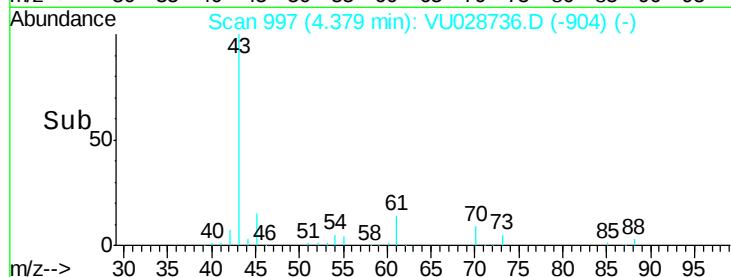
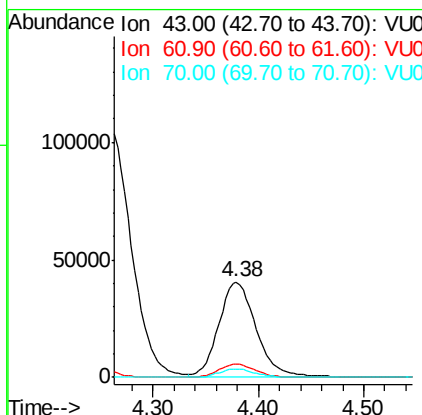
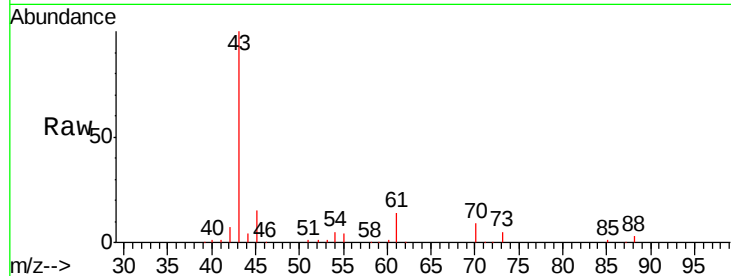
#37
Ethyl Acetate
Concen: 52.715 ug/l
RT: 4.38 min Scan# 997
Delta R.T. -0.00 min
Lab File: VU028736.D
Acq: 17 Dec 2018 21:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.0	16.4
70	8.7	7.4	11.0

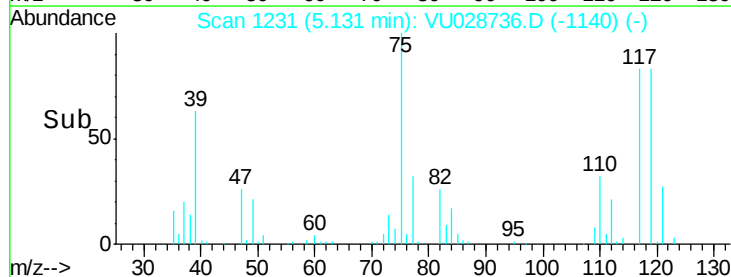
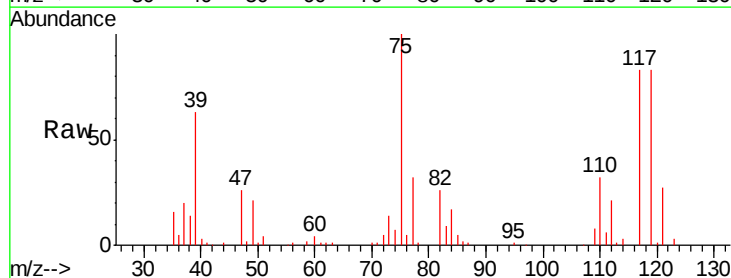
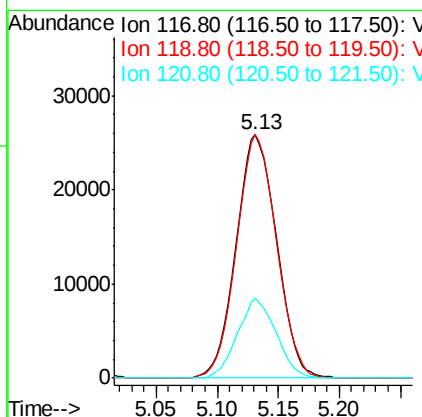
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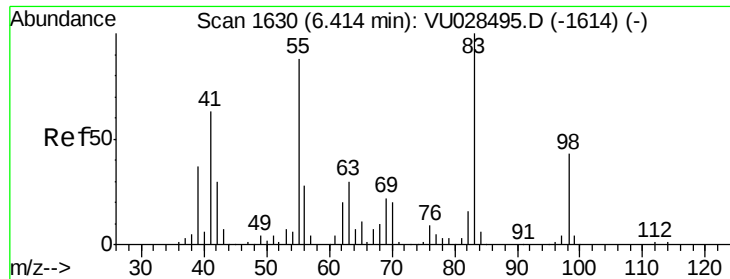
MMDadoda
12/18/2018 11:31:21 AM



#38
Carbon Tetrachloride
Concen: 51.384 ug/l
RT: 5.13 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VU028736.D
Acq: 17 Dec 2018 21:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.9	77.6	116.4
121	32.7	24.6	36.8





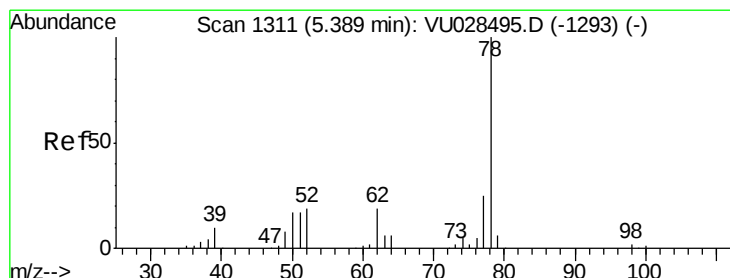
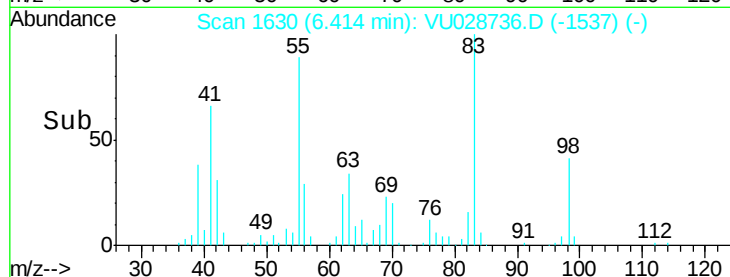
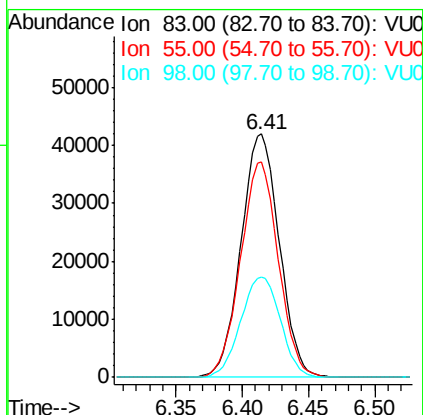
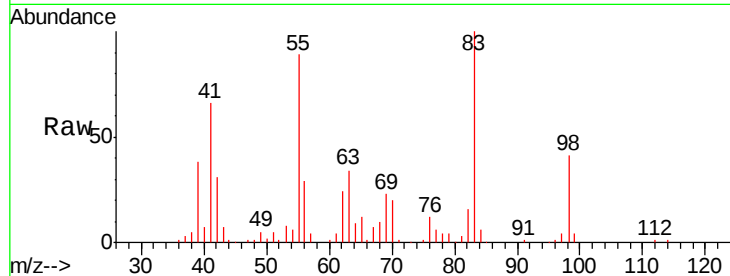
#39
Methylcyclohexane
Concen: 47.984 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028736.D
Acq: 17 Dec 2018 21:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
55	88.6	70.2	105.2
98	41.4	34.2	51.4

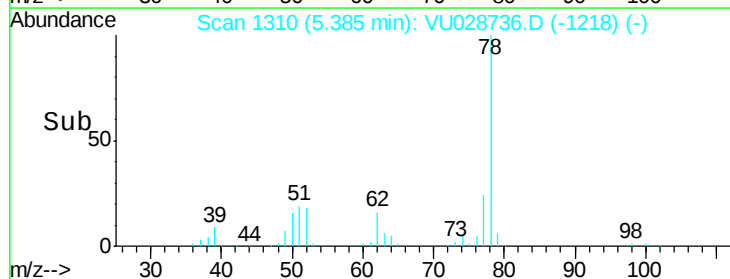
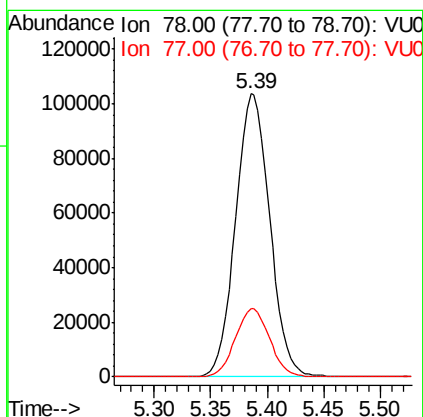
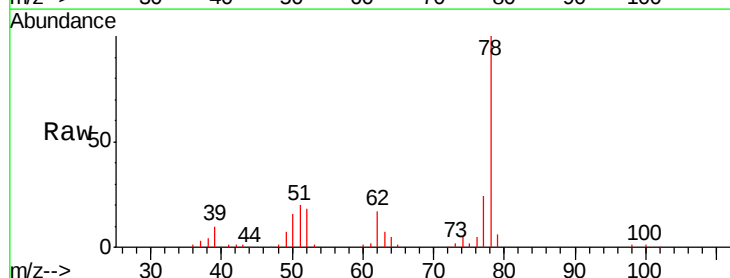
Manual Integrations
APPROVED

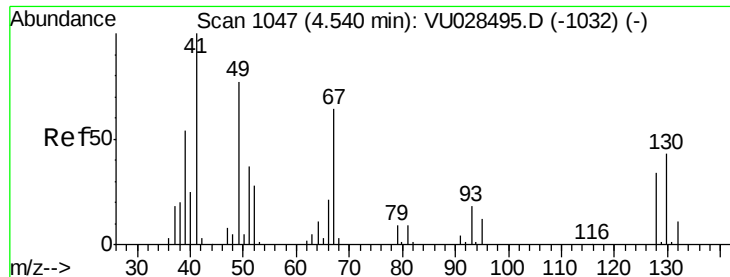
MMDadoda
12/18/2018 11:31:21 AM



#40
Benzene
Concen: 51.677 ug/l
RT: 5.39 min Scan# 1310
Delta R.T. -0.00 min
Lab File: VU028736.D
Acq: 17 Dec 2018 21:57

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.9	29.9





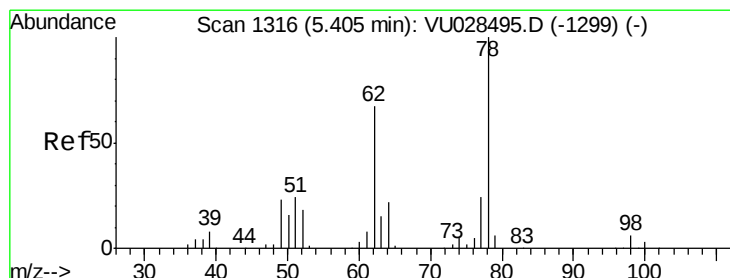
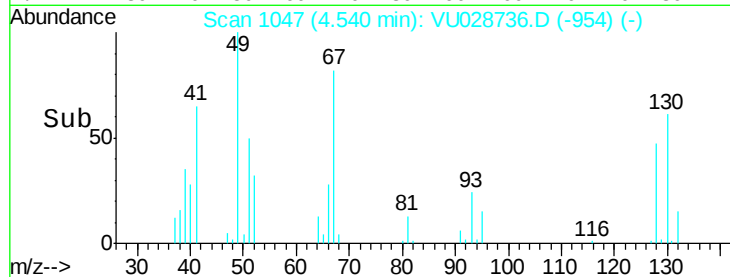
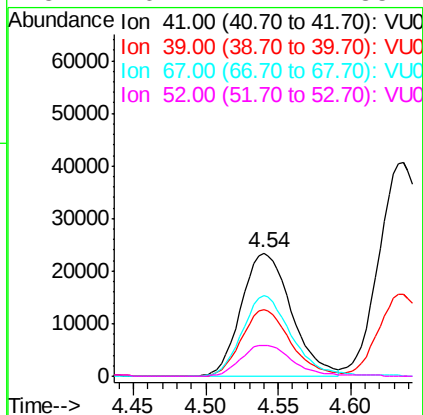
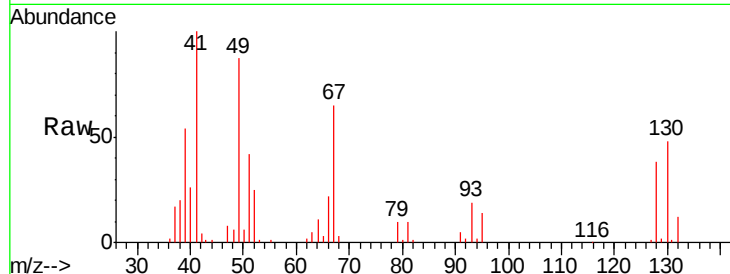
#41
Methacrylonitrile
Concen: 55.433 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. -0.00 min
Lab File: VU028736.D
Acq: 17 Dec 2018 21:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.1	43.3	64.9	
67	64.4	53.6	80.4	
52	26.1	22.1	33.1	

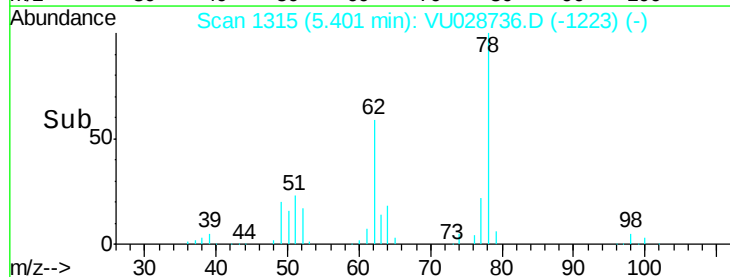
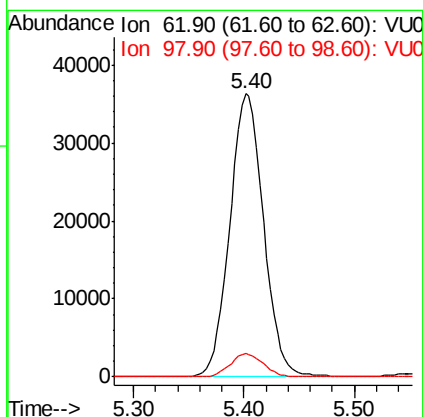
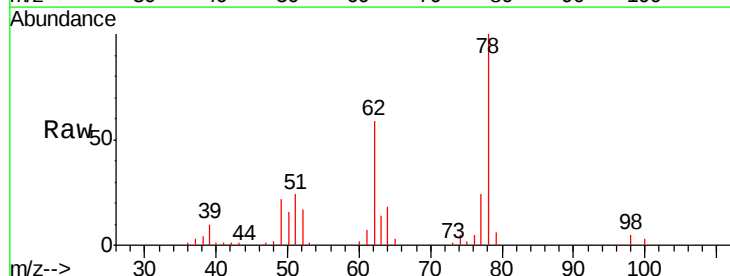
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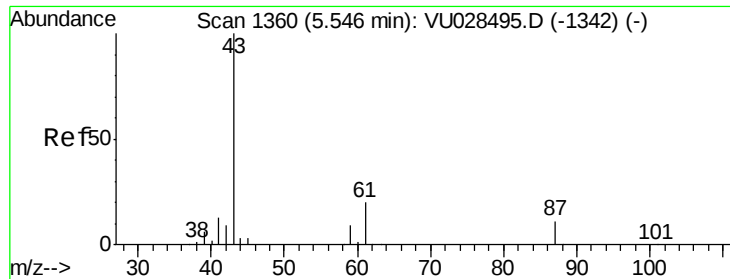
MMDadoda
12/18/2018 11:31:21 AM



#42
1,2-Dichloroethane
Concen: 51.961 ug/l
RT: 5.40 min Scan# 1315
Delta R.T. -0.00 min
Lab File: VU028736.D
Acq: 17 Dec 2018 21:57

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.0	0.0	17.2	





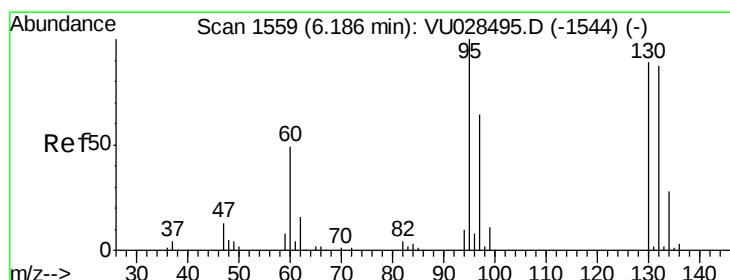
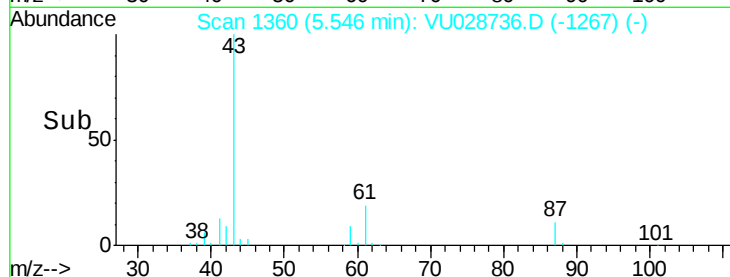
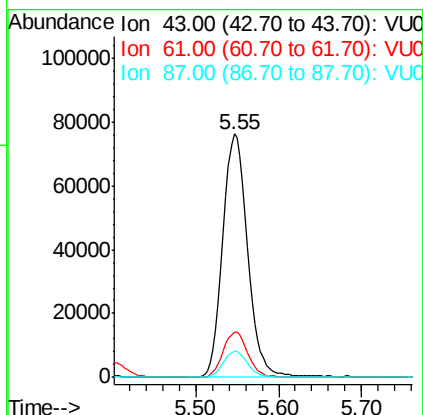
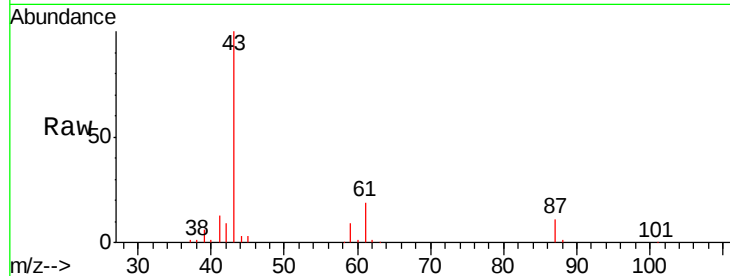
#43
Isopropyl Acetate
Concen: 54.279 ug/l
RT: 5.55 min Scan# 1360
Delta R.T. -0.00 min
Lab File: VU028736.D
Acq: 17 Dec 2018 21:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	18.4	15.5	23.3
87	10.5	8.7	13.1

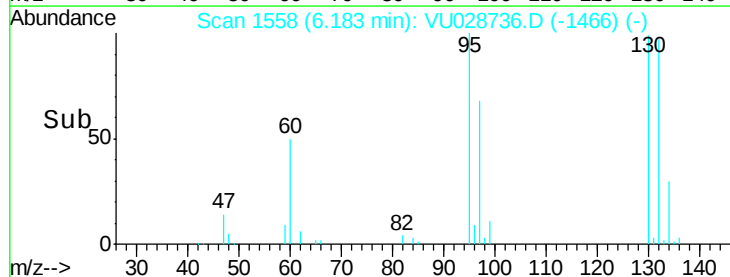
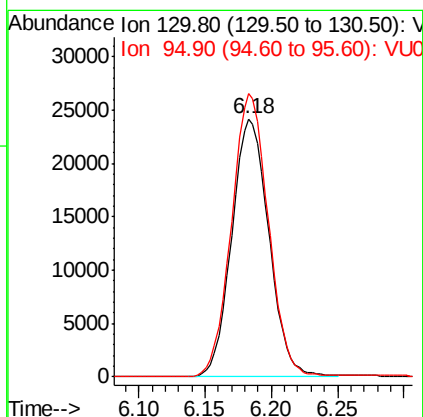
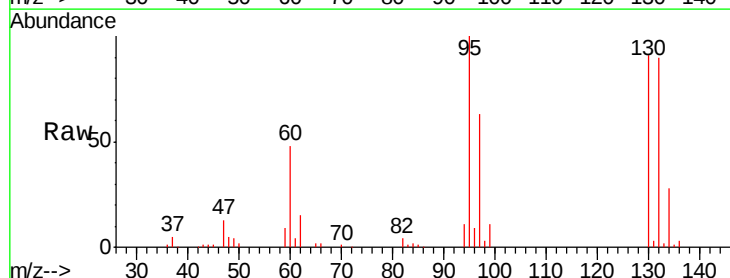
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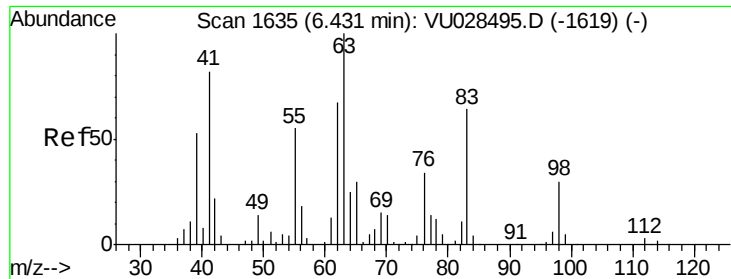
MMDadoda
12/18/2018 11:31:21 AM



#44
Trichloroethene
Concen: 50.130 ug/l
RT: 6.18 min Scan# 1558
Delta R.T. -0.00 min
Lab File: VU028736.D
Acq: 17 Dec 2018 21:57

Tgt Ion	Ratio	Lower	Upper
130	100		
95	109.7	0.0	224.0





#45

1,2-Dichloropropane

Concen: 54.184 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VU028736.D

Acq: 17 Dec 2018 21:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tgt Ion: 63 Resp: 64452

Ion Ratio Lower Upper

63 100

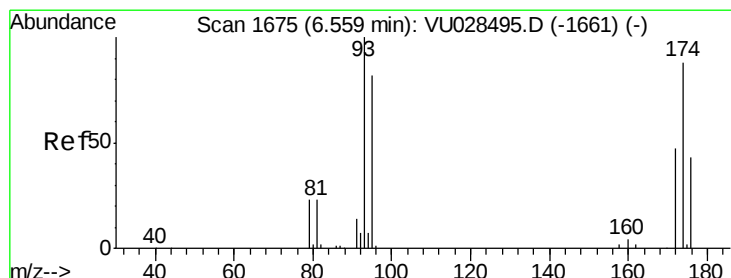
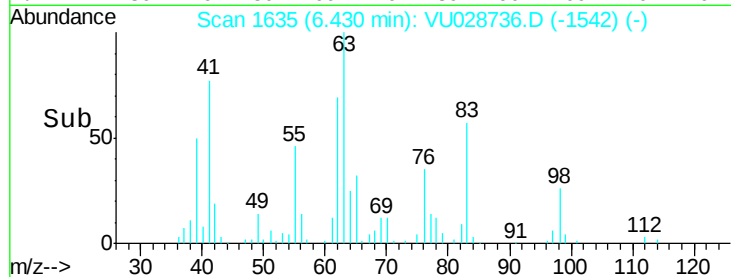
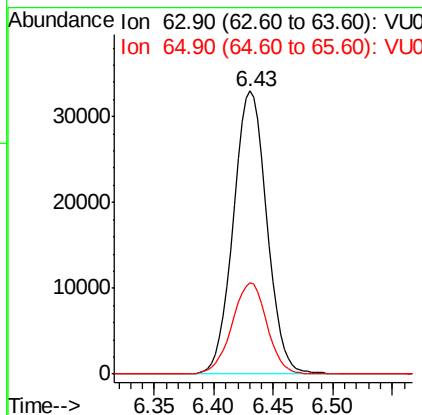
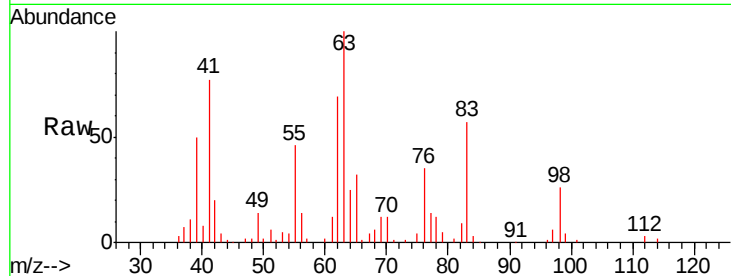
65 32.4 24.2 36.4

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12/18/2018 11:31:21 AM



#46

Dibromomethane

Concen: 52.792 ug/l

RT: 6.56 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VU028736.D

Acq: 17 Dec 2018 21:57

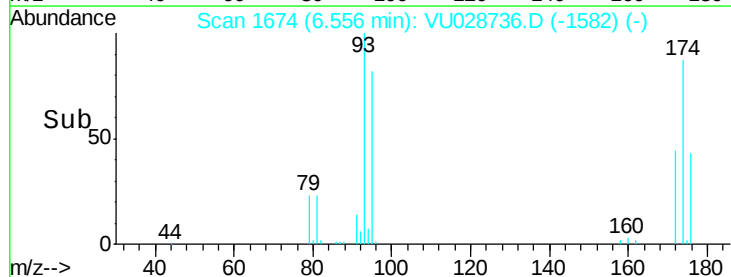
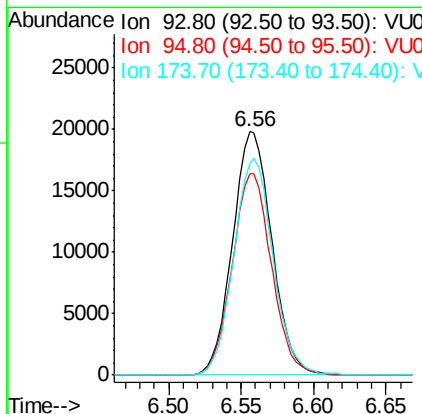
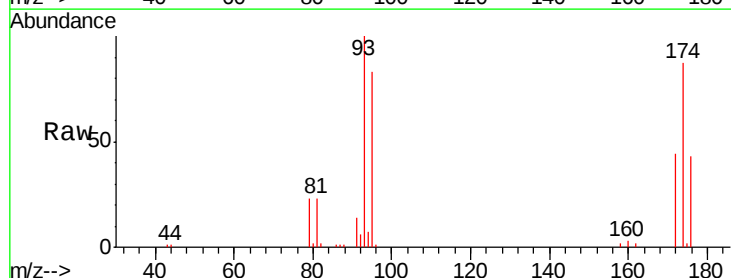
Tgt Ion: 93 Resp: 37259

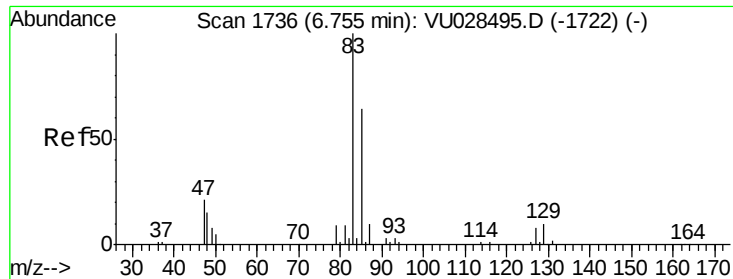
Ion Ratio Lower Upper

93 100

95 82.8 65.4 98.2

174 89.1 72.2 108.4





#47

Bromodichloromethane

Concen: 52.228 ug/l

RT: 6.76 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VU028736.D

Acq: 17 Dec 2018 21:57

Instrument :

MSVOA_U

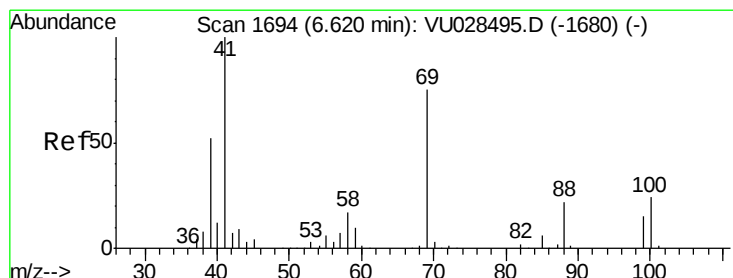
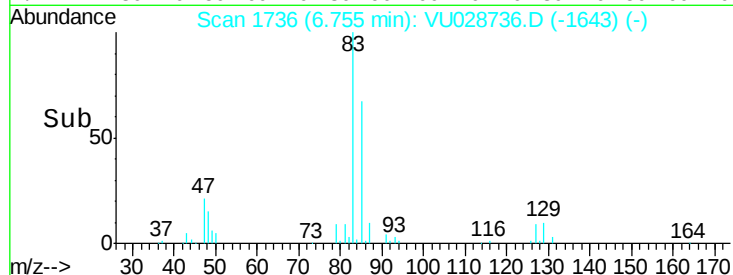
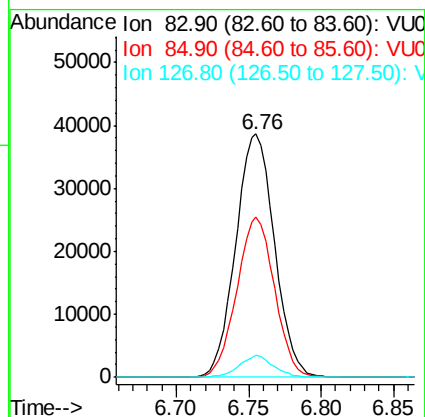
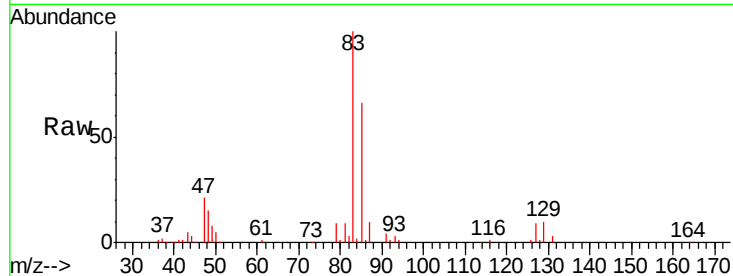
ClientSampleId :

VSTDCCC050

Tgt Ion:	83	Resp:	71729
Ion	Ratio	Lower	Upper
83	100		
85	66.0	51.5	77.3
127	9.0	6.2	9.4

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#48

Methyl methacrylate

Concen: 54.398 ug/l

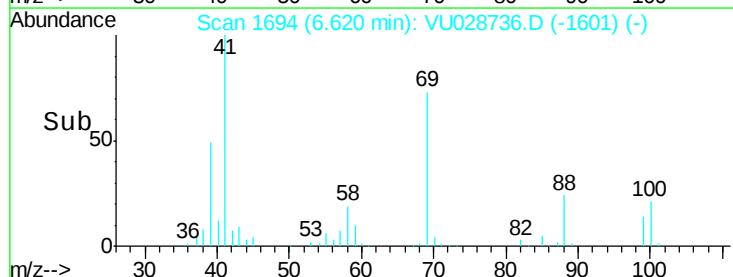
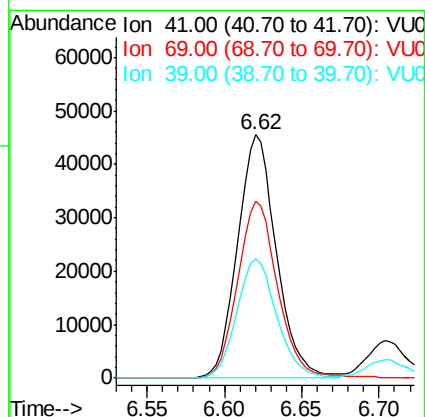
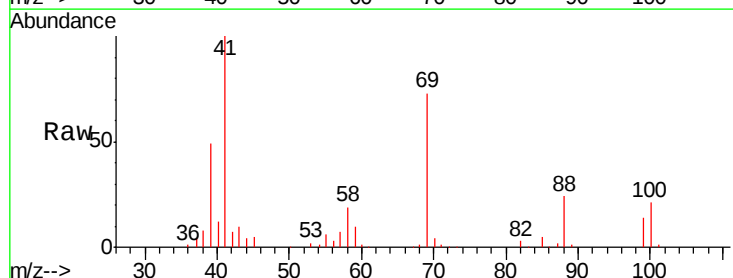
RT: 6.62 min Scan# 1694

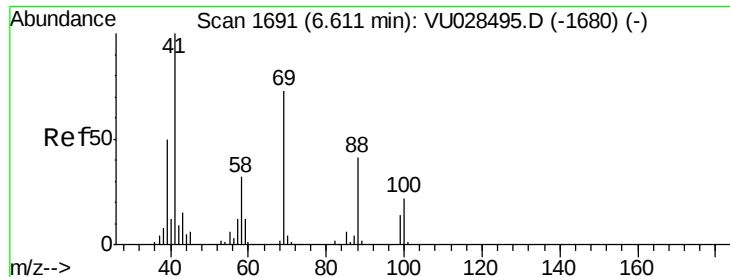
Delta R.T. -0.00 min

Lab File: VU028736.D

Acq: 17 Dec 2018 21:57

Tgt Ion:	41	Resp:	79441
Ion	Ratio	Lower	Upper
41	100		
69	75.1	60.4	90.6
39	50.5	41.1	61.7





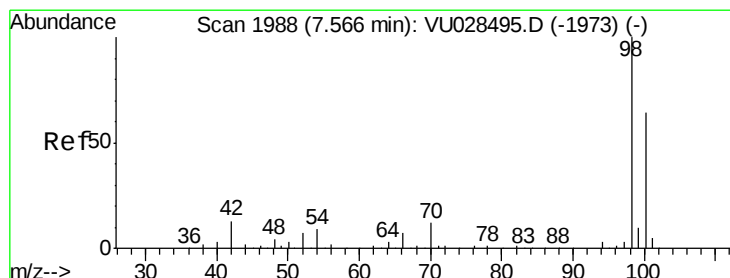
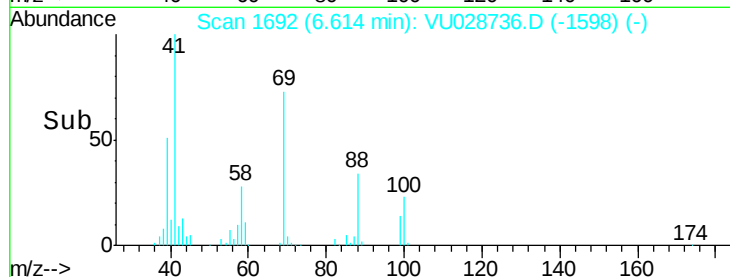
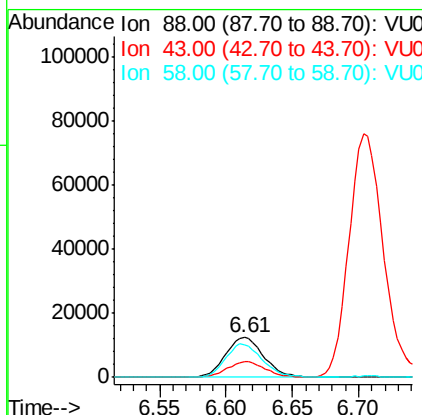
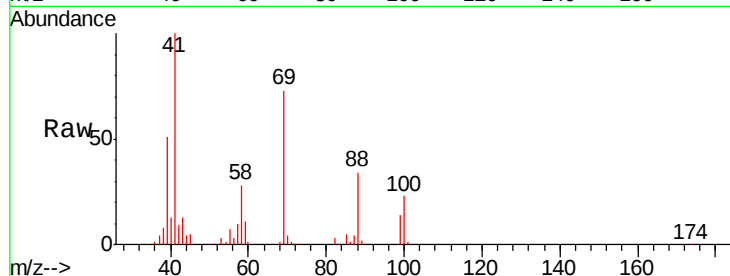
#49
1,4-Dioxane
Concen: 1087.877 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VU028736.D
Acq: 17 Dec 2018 21:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
88	100		
43	37.4	30.9	46.3
58	80.3	62.4	93.6

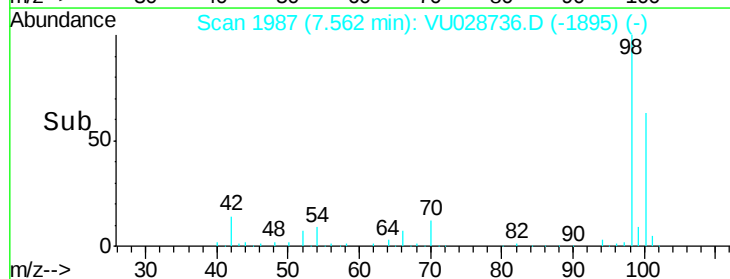
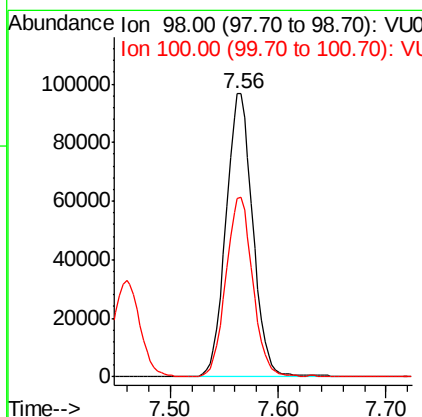
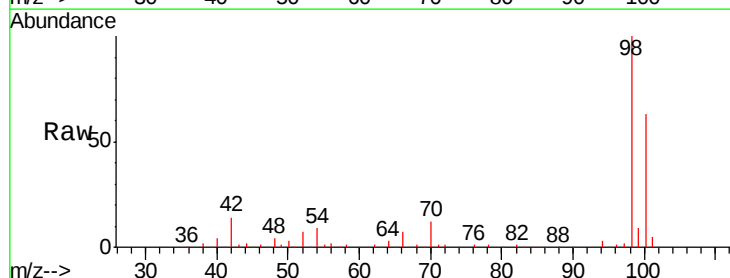
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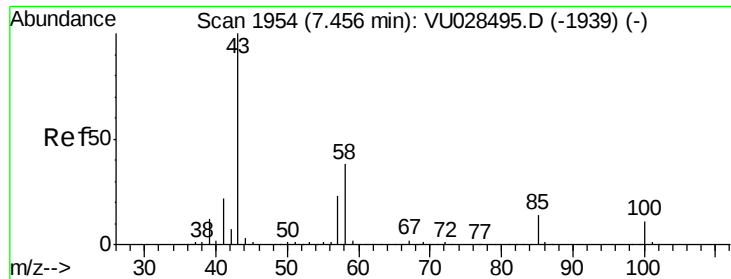
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#50
Toluene-d8
Concen: 51.446 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VU028736.D
Acq: 17 Dec 2018 21:57

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.5	51.0	76.6





#51

4-Methyl-2-Pentanone

Concen: 275.388 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028736.D

Acq: 17 Dec 2018 21:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 510054

Ion Ratio Lower Upper

43 100

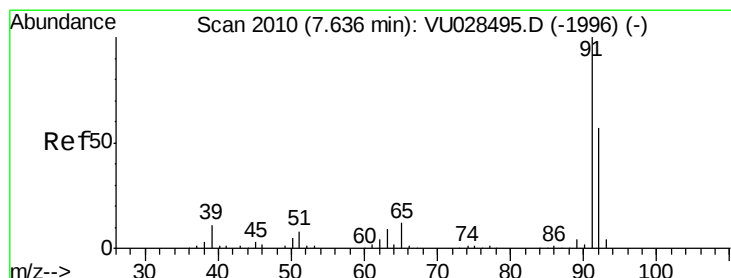
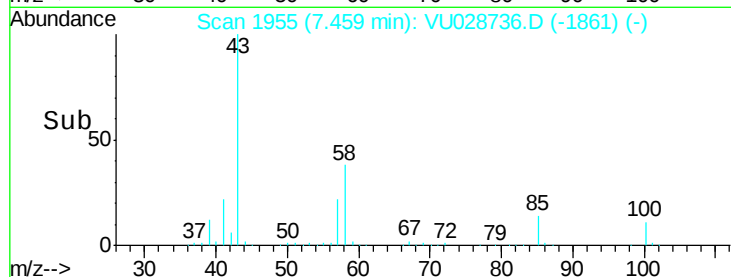
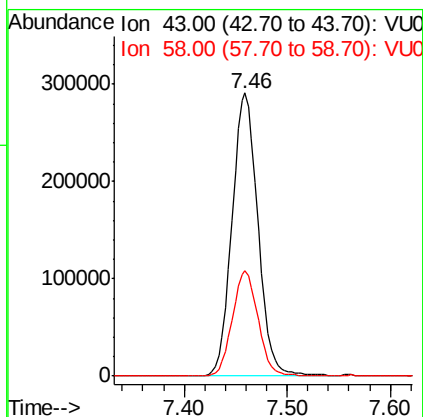
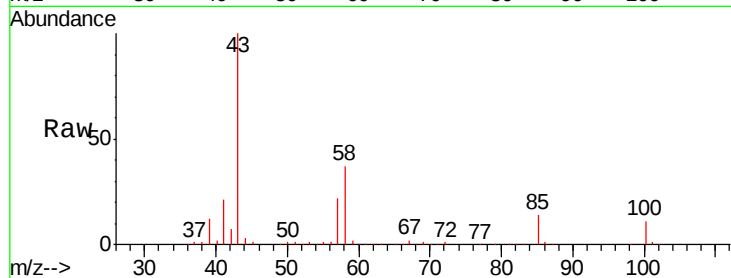
58 37.0 30.2 45.2

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12/18/2018 11:31:21 AM



#52

Toluene

Concen: 50.698 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028736.D

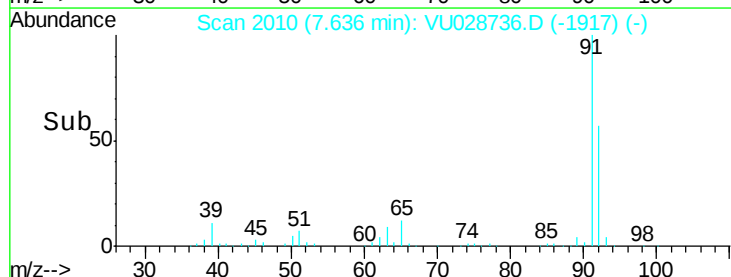
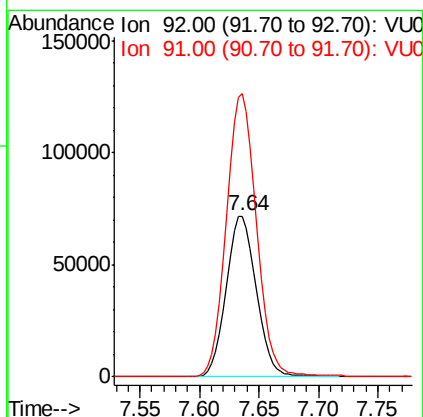
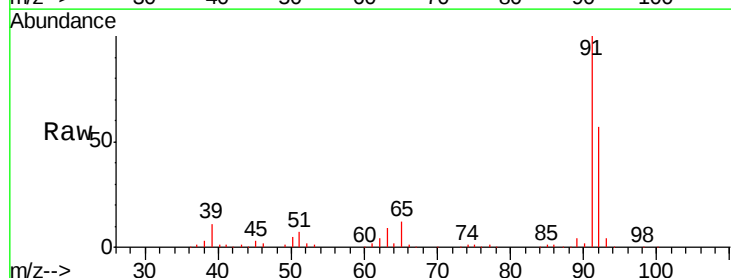
Acq: 17 Dec 2018 21:57

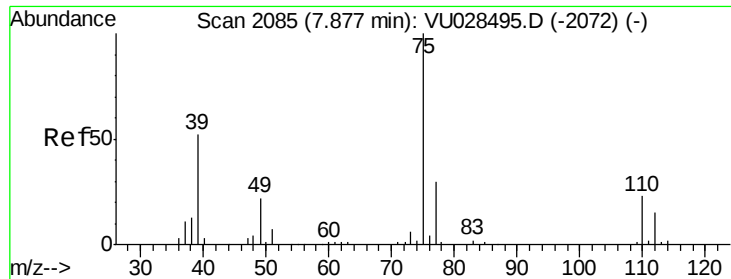
Tgt Ion: 92 Resp: 126208

Ion Ratio Lower Upper

92 100

91 176.0 140.2 210.4





#53

t-1,3-Dichloropropene

Concen: 51.785 ug/l

RT: 7.88 min Scan# 2085

Delta R.T. -0.00 min

Lab File: VU028736.D

Acq: 17 Dec 2018 21:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tgt Ion: 75 Resp: 84703

Ion Ratio Lower Upper

75 100

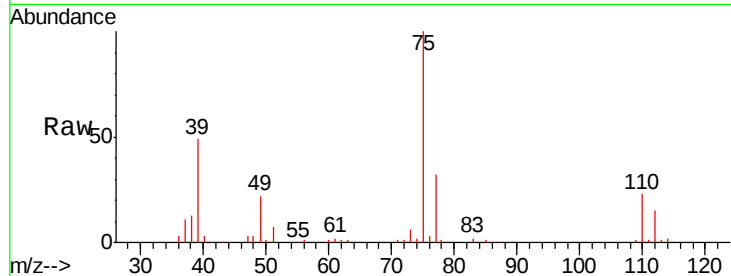
77 32.0 24.2 36.4

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Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

7.88

60000

50000

40000

30000

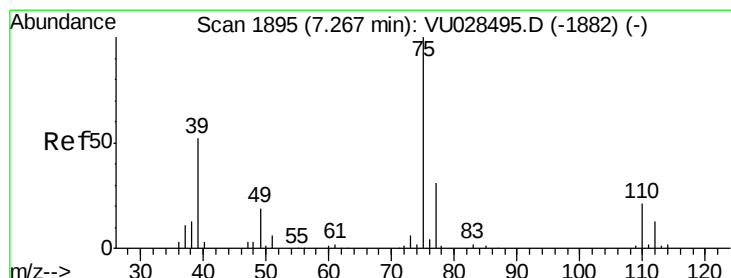
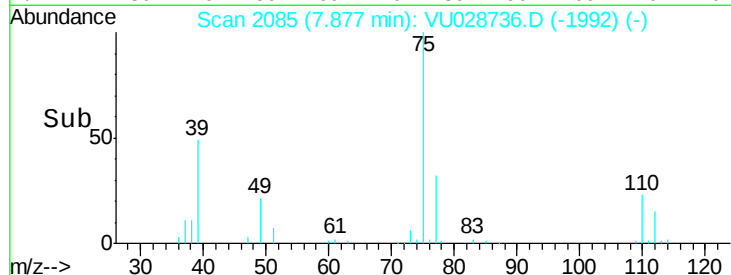
20000

10000

0

7.80 7.85 7.90 7.95 8.00

Time-->



#54

cis-1,3-Dichloropropene

Concen: 50.983 ug/l

RT: 7.27 min Scan# 1895

Delta R.T. -0.00 min

Lab File: VU028736.D

Acq: 17 Dec 2018 21:57

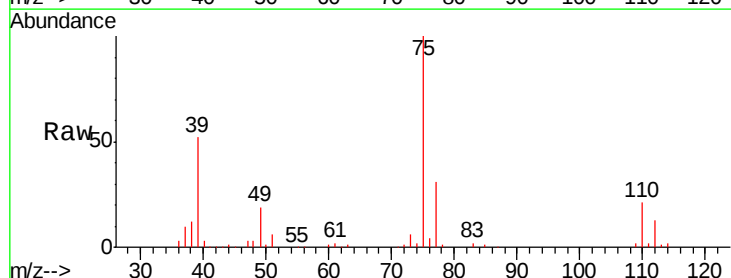
Tgt Ion: 75 Resp: 90474

Ion Ratio Lower Upper

75 100

77 31.1 25.0 37.4

39 52.2 41.3 61.9



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0

7.27

60000

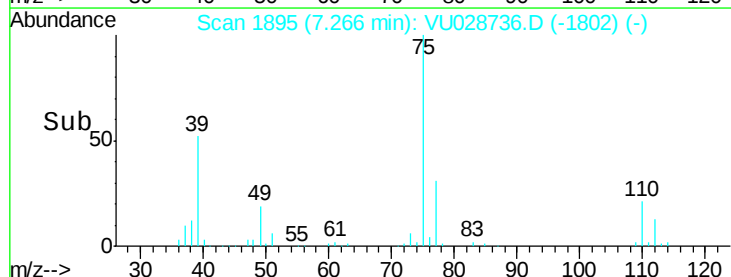
40000

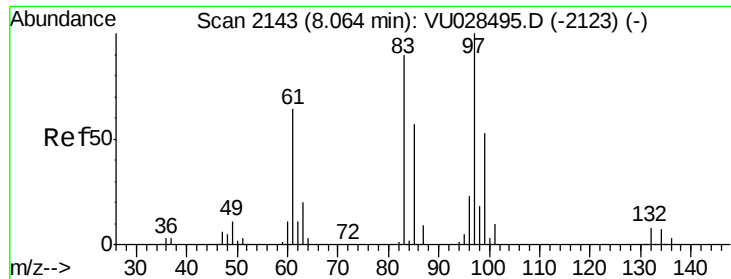
20000

0

7.20 7.25 7.30 7.35

Time-->





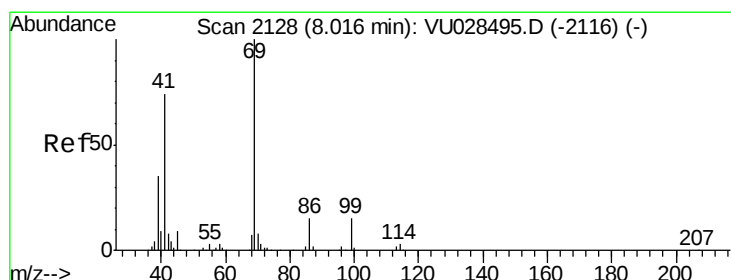
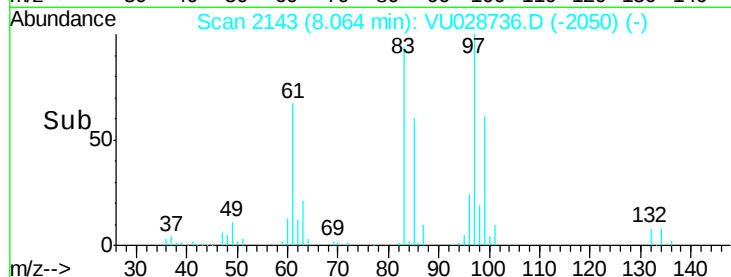
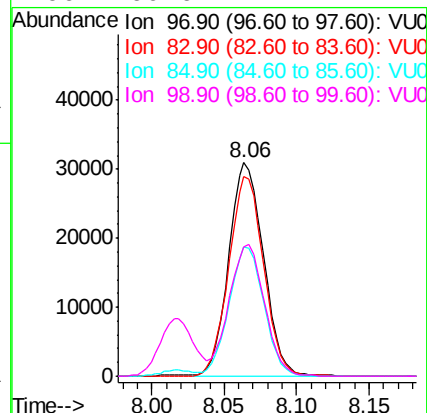
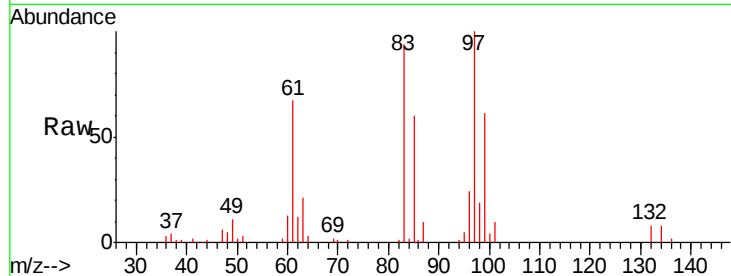
#55
 1,1,2-Trichloroethane
 Concen: 52.300 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VU028736.D
 Acq: 17 Dec 2018 21:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tgt Ion:	97	Resp:	51466
Ion	Ratio	Lower	Upper
97	100		
83	93.6	72.4	108.6
85	60.3	46.0	69.0
99	60.6	47.4	71.2

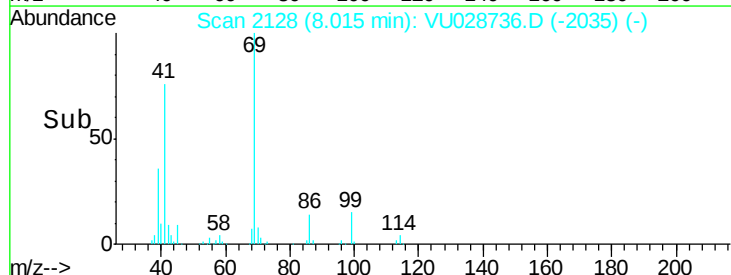
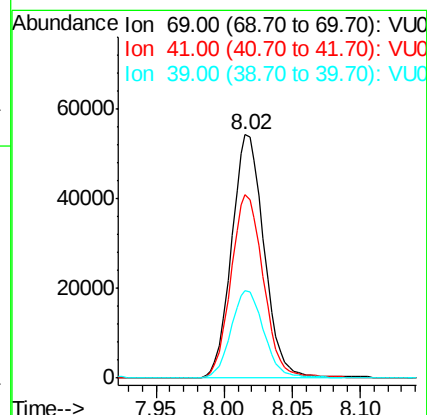
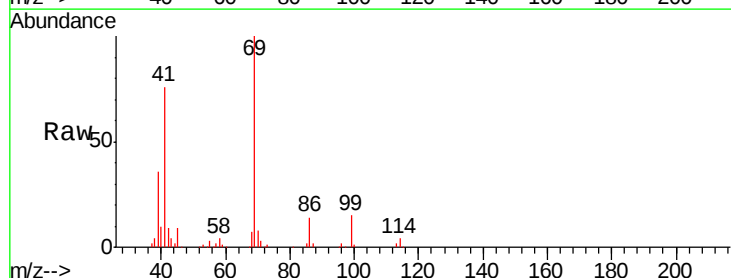
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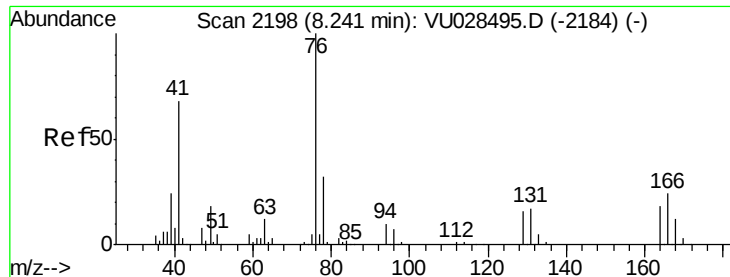
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 12/18/2018 11:31:21 AM



#56
 Ethyl methacrylate
 Concen: 53.306 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. -0.00 min
 Lab File: VU028736.D
 Acq: 17 Dec 2018 21:57

Tgt Ion:	69	Resp:	89828
Ion	Ratio	Lower	Upper
69	100		
41	75.7	59.1	88.7
39	36.7	28.4	42.6





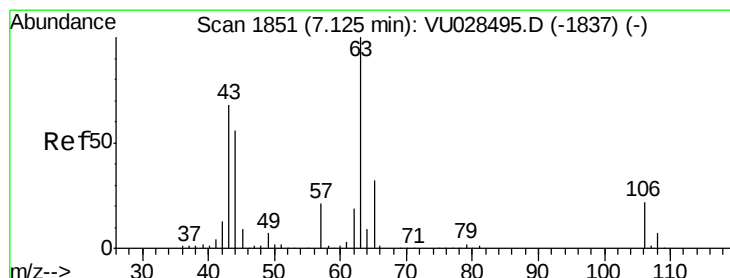
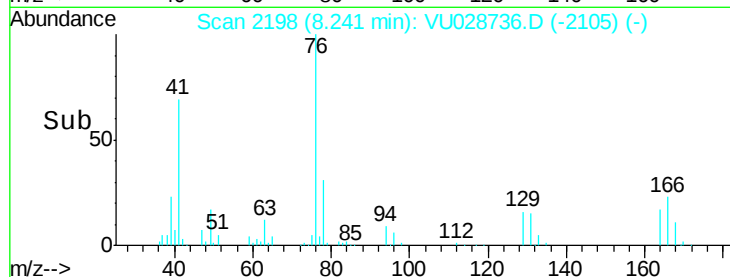
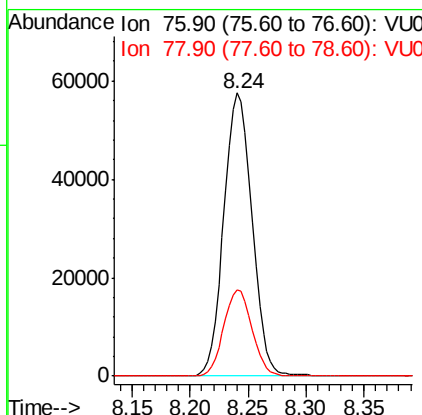
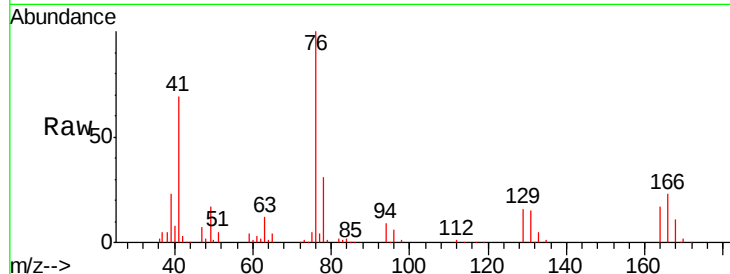
#57
 1,3-Dichloropropane
 Concen: 53.086 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: VU028736.D
 Acq: 17 Dec 2018 21:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 76 Resp: 96971
 Ion Ratio Lower Upper
 76 100
 78 30.6 25.2 37.8

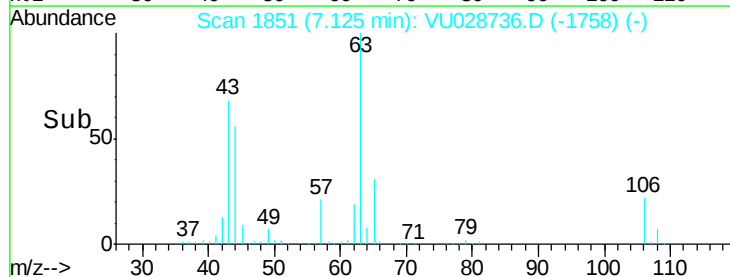
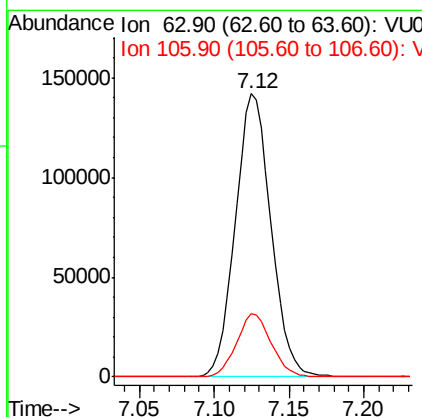
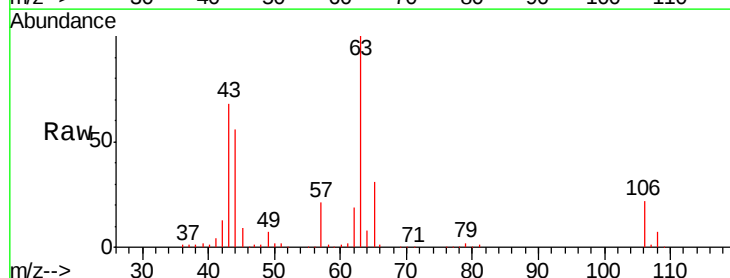
Manual Integrations
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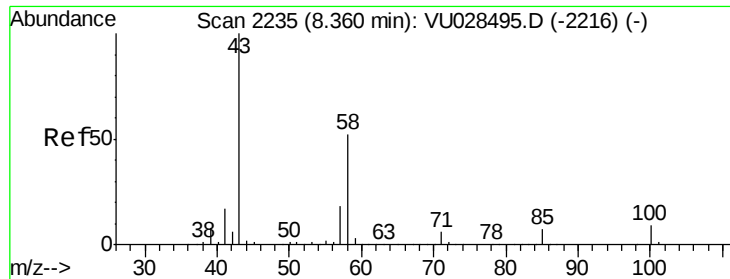
MMDadoda
 12/18/2018 11:31:21 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 272.038 ug/l
 RT: 7.12 min Scan# 1851
 Delta R.T. -0.00 min
 Lab File: VU028736.D
 Acq: 17 Dec 2018 21:57

Tgt Ion: 63 Resp: 234804
 Ion Ratio Lower Upper
 63 100
 106 21.8 17.8 26.6





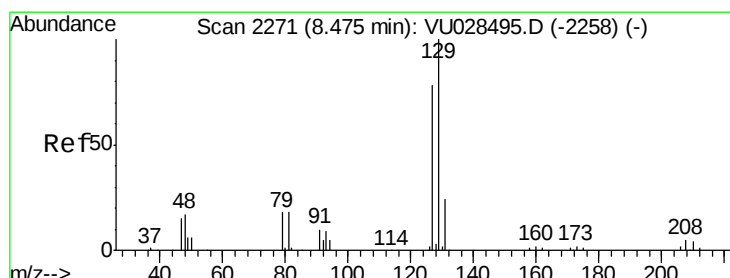
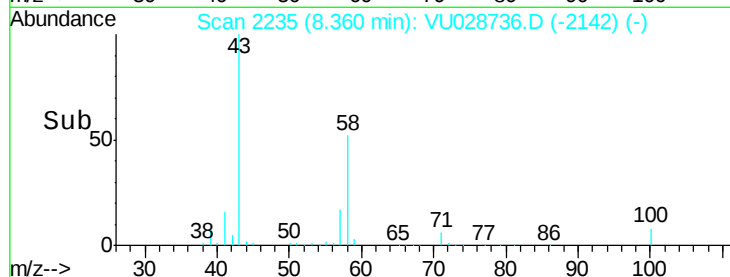
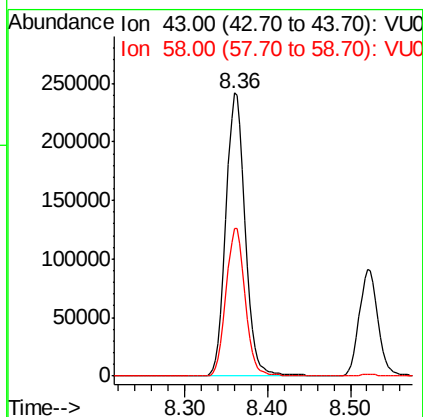
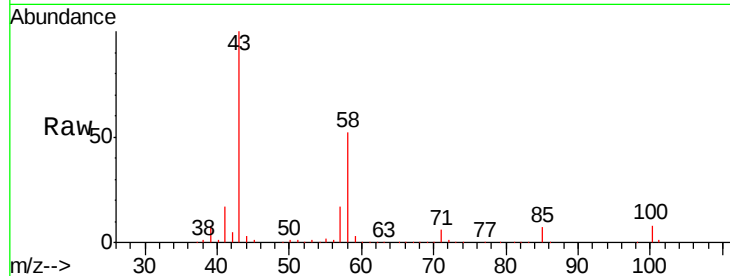
#59
2-Hexanone
Concen: 265.830 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. -0.00 min
Lab File: VU028736.D
Acq: 17 Dec 2018 21:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 390240
Ion Ratio Lower Upper
43 100
58 51.7 25.9 77.6

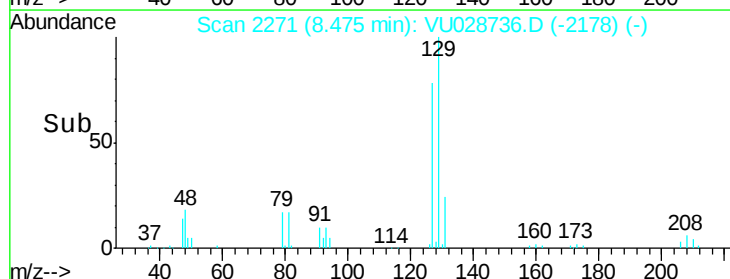
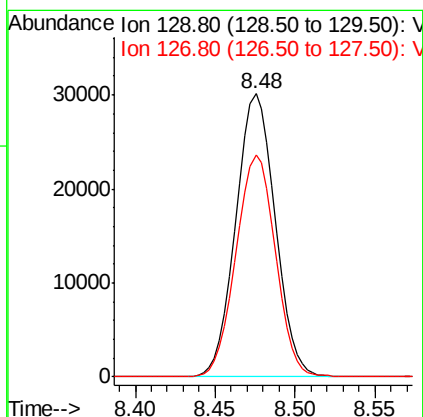
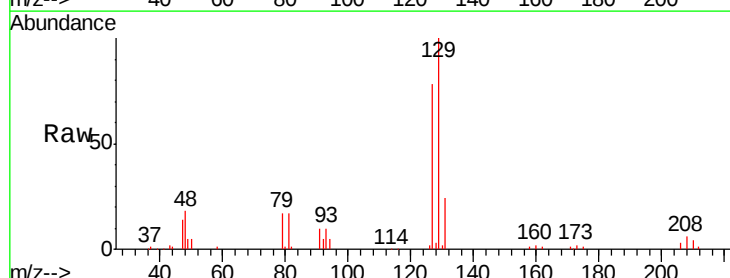
Manual Integrations
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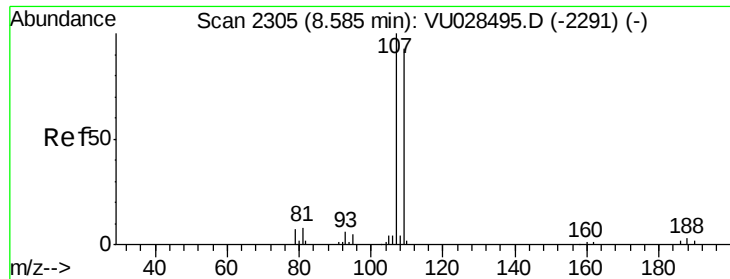
MMDadoda
12/18/2018 11:31:21 AM



#60
Dibromochloromethane
Concen: 52.431 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028736.D
Acq: 17 Dec 2018 21:57

Tgt Ion: 129 Resp: 50514
Ion Ratio Lower Upper
129 100
127 78.5 39.1 117.3





#61

1,2-Dibromoethane

Concen: 53.348 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VU028736.D

Acq: 17 Dec 2018 21:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tgt Ion: 107 Resp: 55051

Ion Ratio Lower Upper

107 100

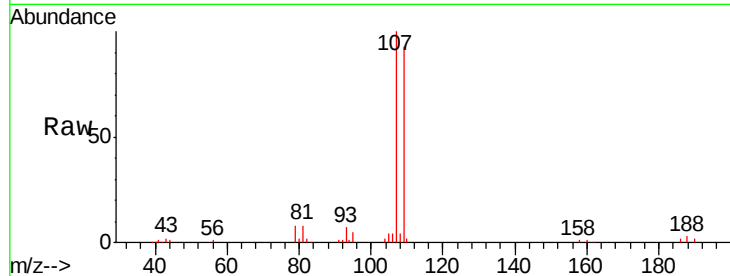
109 93.7 74.5 111.7

Manual Integrations

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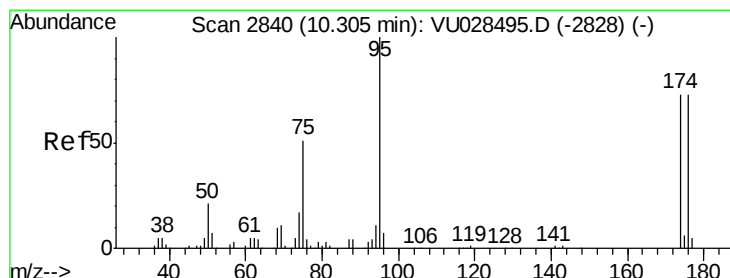
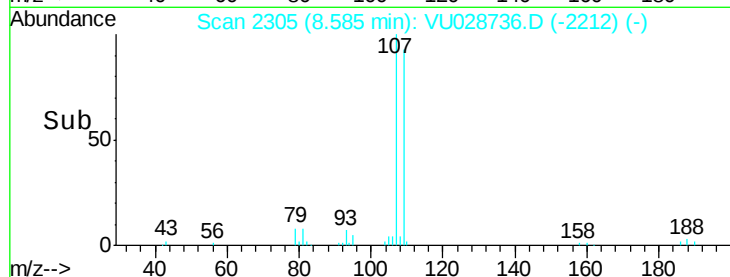
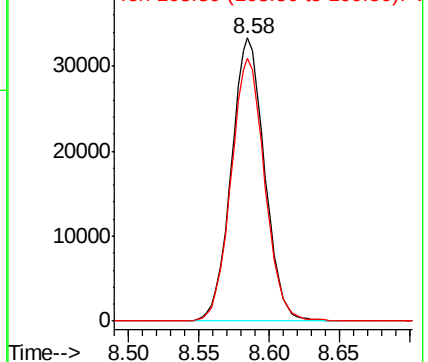
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.919 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028736.D

Acq: 17 Dec 2018 21:57

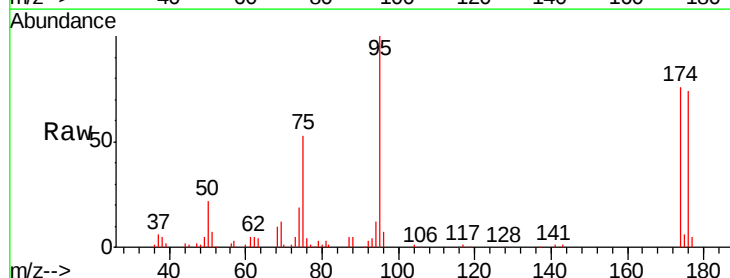
Tgt Ion: 95 Resp: 60961

Ion Ratio Lower Upper

95 100

174 77.5 0.0 150.4

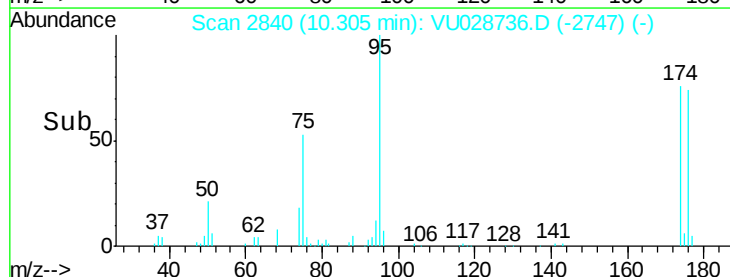
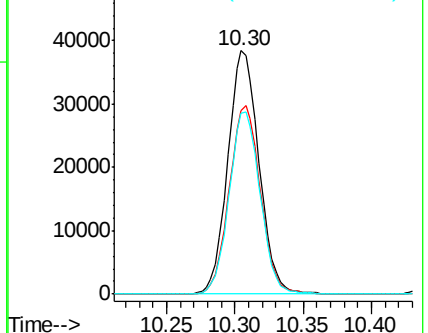
176 74.5 0.0 145.2

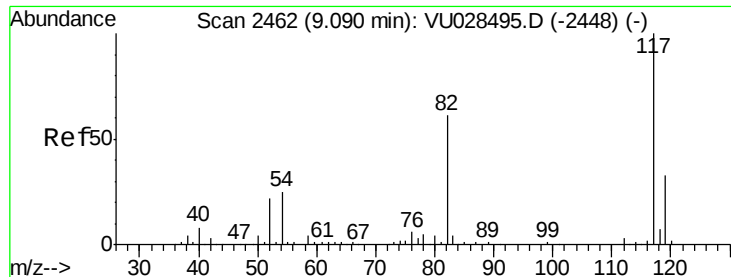


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





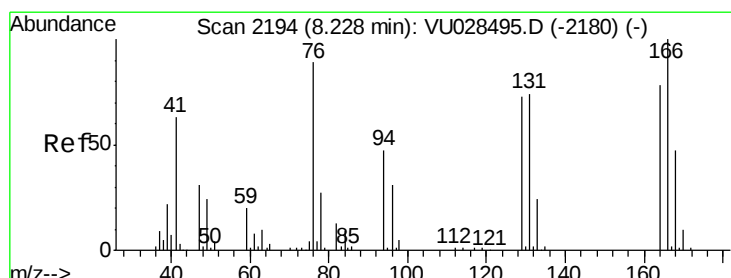
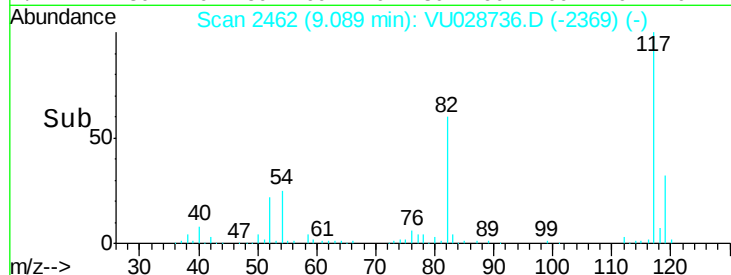
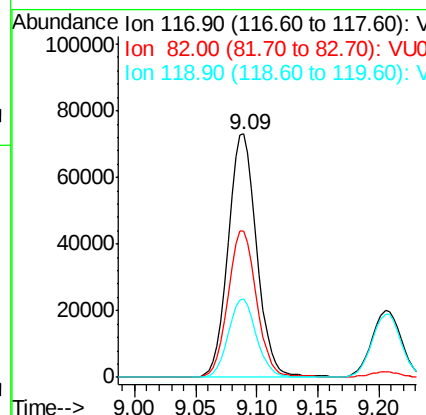
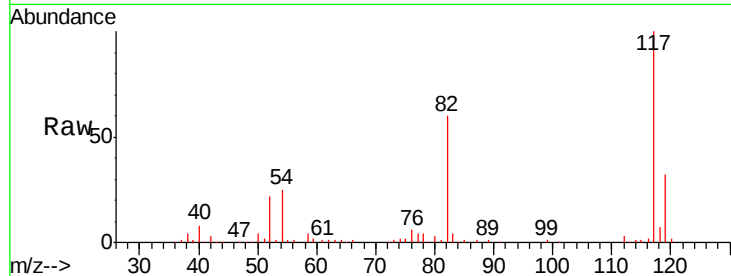
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028736.D
Acq: 17 Dec 2018 21:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	120282		
82	60.2	48.9	73.3	
119	32.2	26.2	39.4	

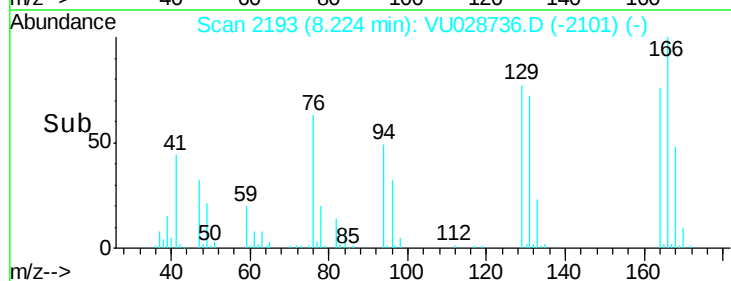
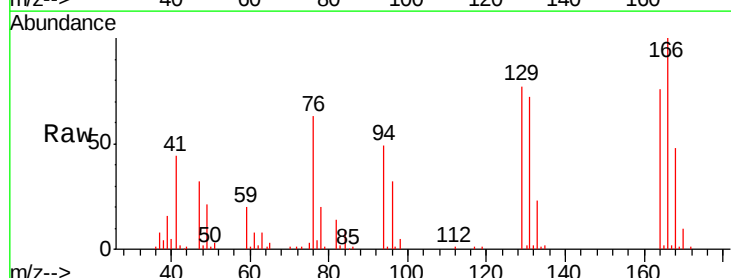
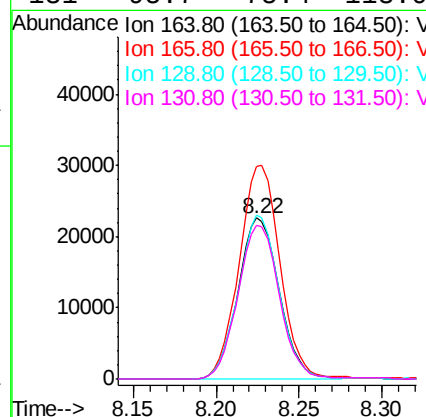
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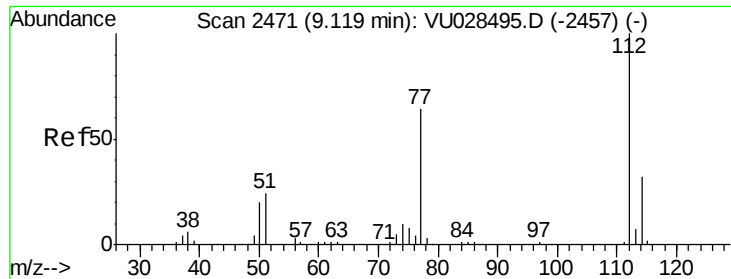
MMDadoda
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#64
Tetrachloroethene
Concen: 48.830 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU028736.D
Acq: 17 Dec 2018 21:57

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	39177		
166	132.3	101.9	152.9	
129	102.2	74.9	112.3	
131	95.7	75.4	113.0	





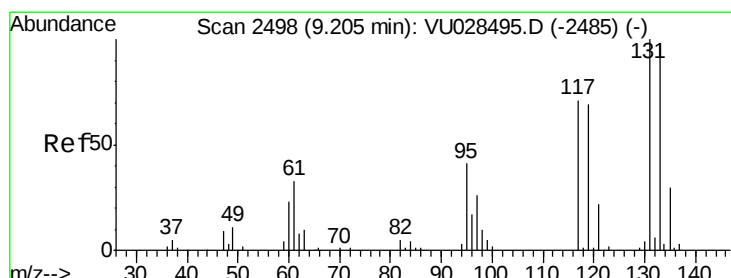
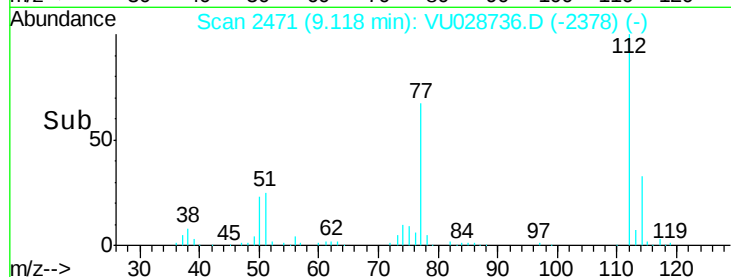
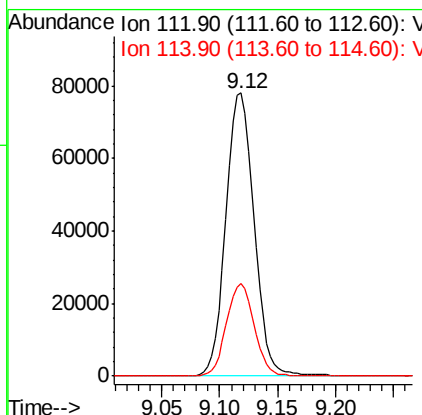
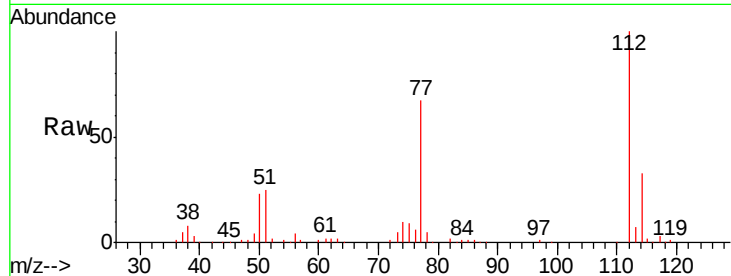
#65
Chlorobenzene
Concen: 51.211 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028736.D
Acq: 17 Dec 2018 21:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 131259
Ion Ratio Lower Upper
112 100
114 32.6 25.3 37.9

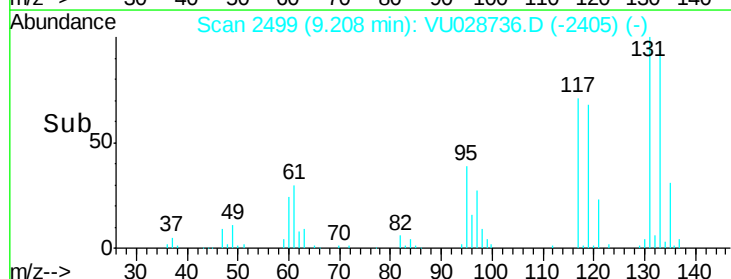
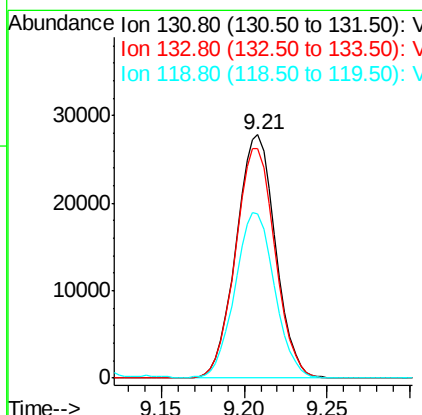
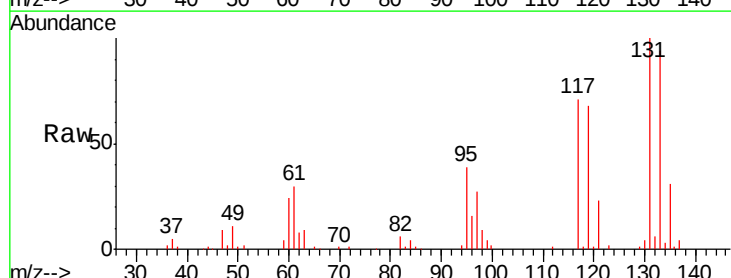
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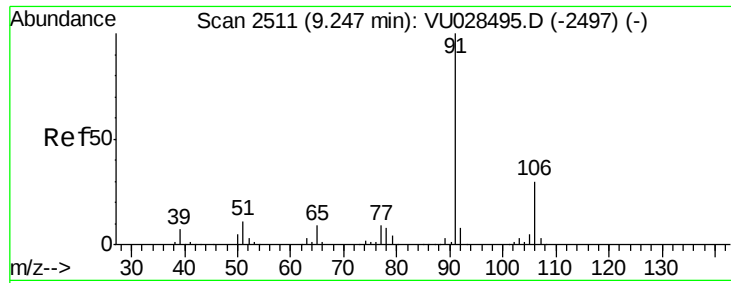
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#66
1,1,1,2-Tetrachloroethane
Concen: 56.065 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU028736.D
Acq: 17 Dec 2018 21:57

Tgt Ion:131 Resp: 45888
Ion Ratio Lower Upper
131 100
133 95.2 48.0 144.0
119 68.5 34.6 103.9





#67

Ethyl Benzene

Concen: 51.825 ug/l

RT: 9.25 min Scan# 2511

Delta R.T. -0.00 min

Lab File: VU028736.D

Acq: 17 Dec 2018 21:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 244188

Ion Ratio Lower Upper

91 100

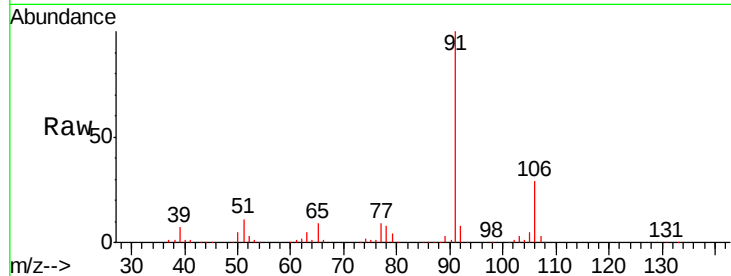
106 29.1 24.1 36.1

Manual Integrations

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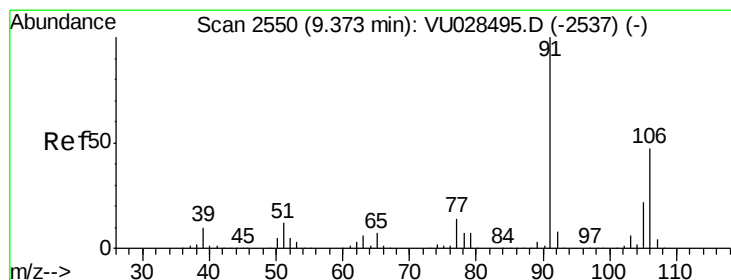
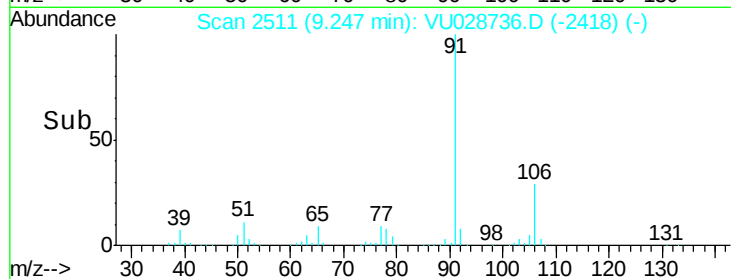
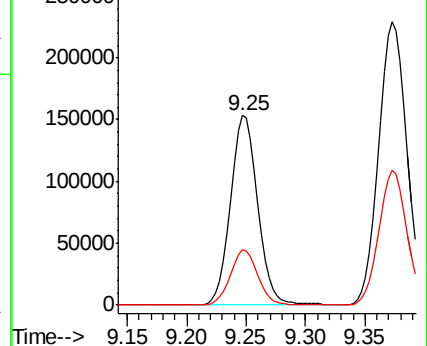
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VU028736.D (-2418) (-)

Ion 106.00 (105.70 to 106.70): VU028736.D (-2418) (-)



#68

m/p-Xylenes

Concen: 104.462 ug/l

RT: 9.37 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VU028736.D

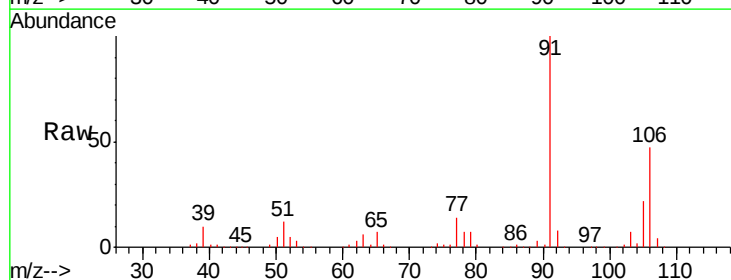
Acq: 17 Dec 2018 21:57

Tgt Ion: 106 Resp: 179099

Ion Ratio Lower Upper

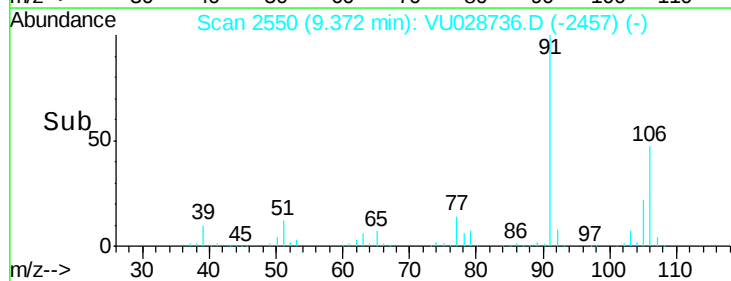
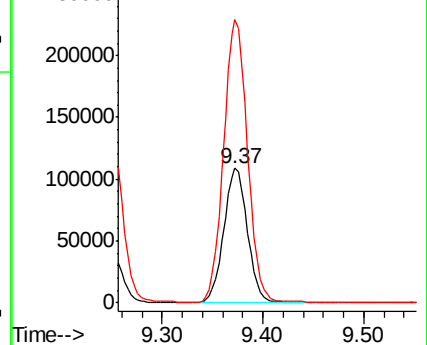
106 100

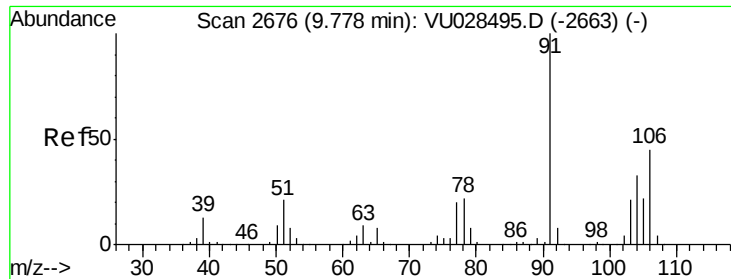
91 212.3 167.4 251.0



Abundance Ion 106.00 (105.70 to 106.70): VU028736.D (-2457) (-)

Ion 91.00 (90.70 to 91.70): VU028736.D (-2457) (-)





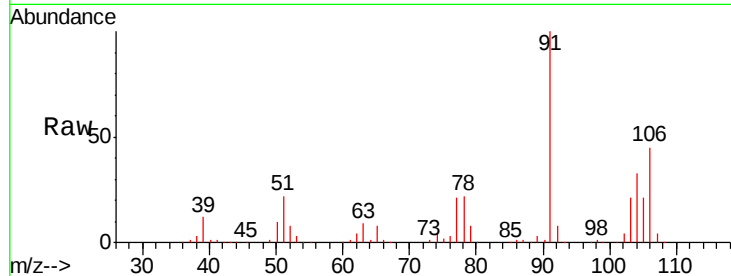
#69
o-Xylene
Concen: 52.423 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028736.D
Acq: 17 Dec 2018 21:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

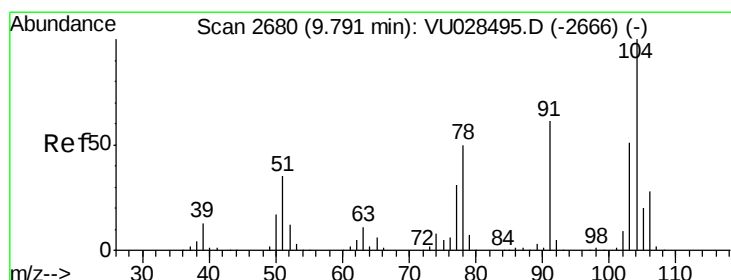
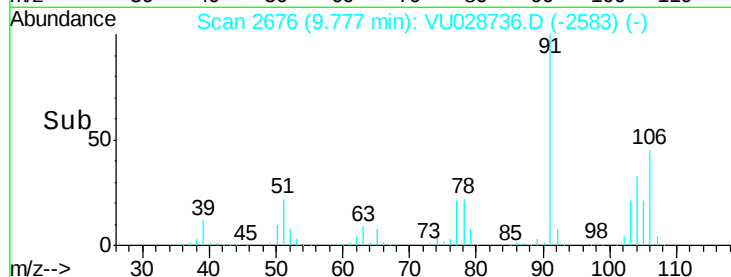
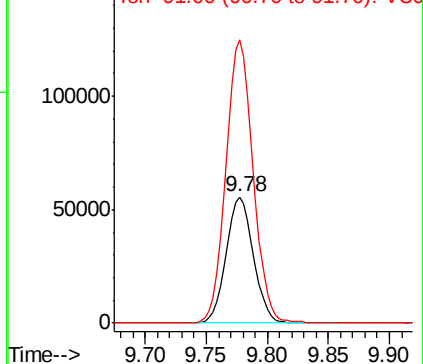
Tgt Ion:106 Resp: 87345
Ion Ratio Lower Upper
106 100
91 224.1 111.3 334.0

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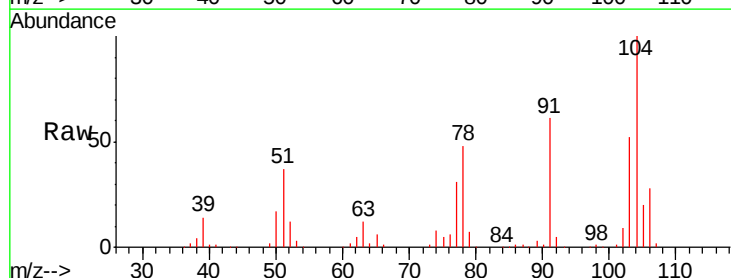


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

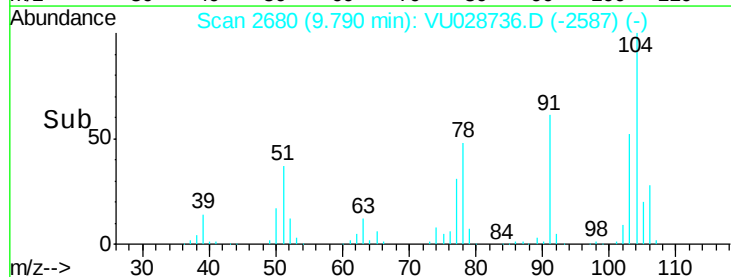
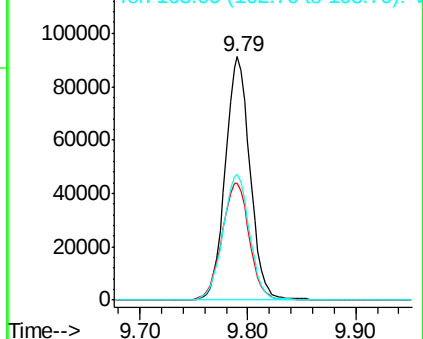


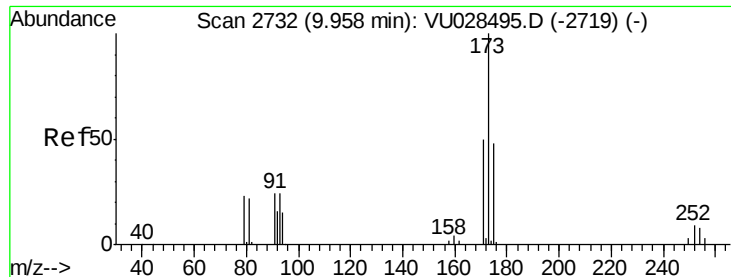
#70
Styrene
Concen: 52.924 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028736.D
Acq: 17 Dec 2018 21:57

Tgt Ion:104 Resp: 145930
Ion Ratio Lower Upper
104 100
78 53.4 43.0 64.6
103 55.6 44.2 66.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 57.146 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028736.D

Acq: 17 Dec 2018 21:57

Instrument :

MSVOA_U

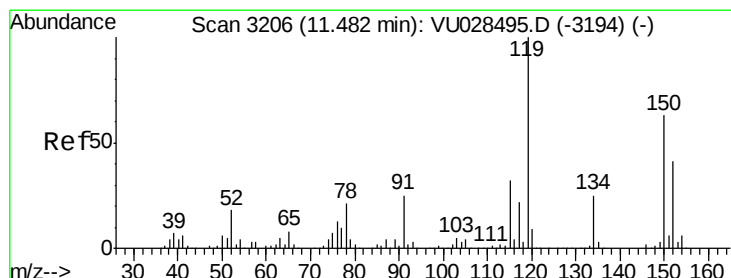
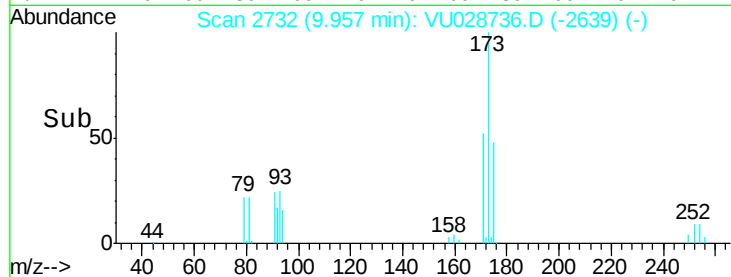
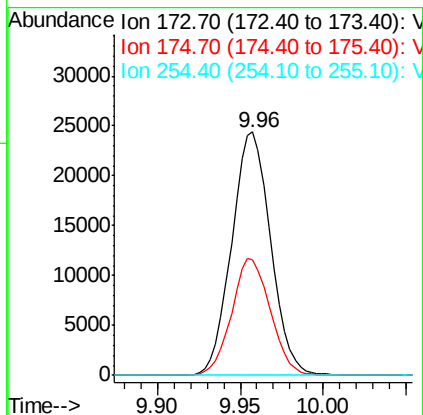
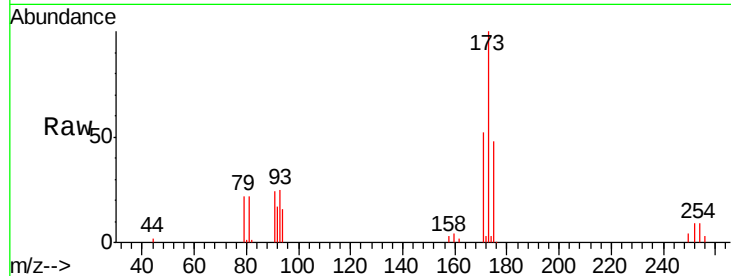
ClientSampleId :

VSTDCCC050

Tgt Ion:	173	Resp:	39789
Ion Ratio	Lower	Upper	
173	100		
175	47.7	23.9	71.8
254	0.0	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

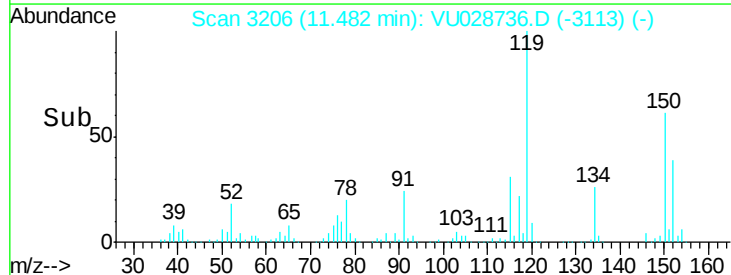
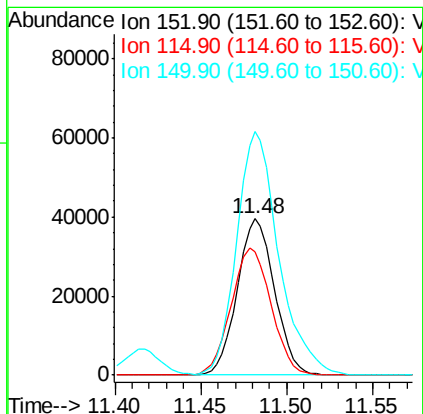
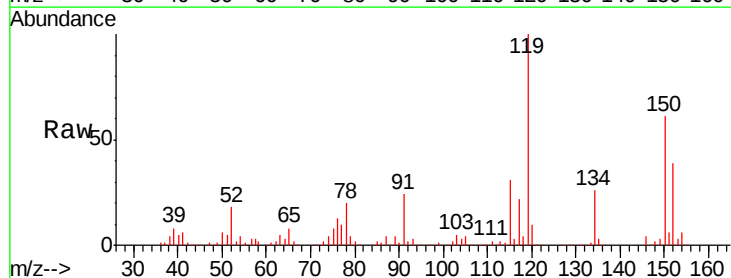
RT: 11.48 min Scan# 3206

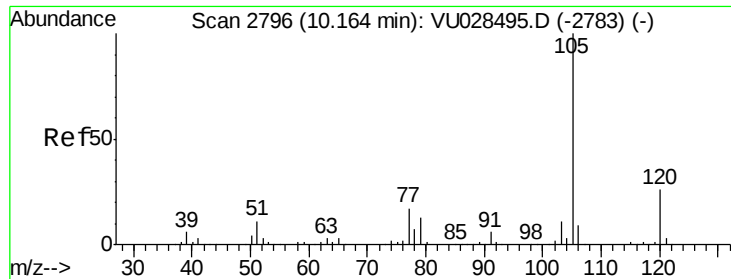
Delta R.T. -0.00 min

Lab File: VU028736.D

Acq: 17 Dec 2018 21:57

Tgt Ion:	152	Resp:	59472
Ion Ratio	Lower	Upper	
152	100		
115	86.9	42.7	128.1
150	176.2	0.0	346.0





#73

Isopropylbenzene

Concen: 50.884 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU028736.D

Acq: 17 Dec 2018 21:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tgt Ion: 105 Resp: 232208

Ion Ratio Lower Upper

105 100

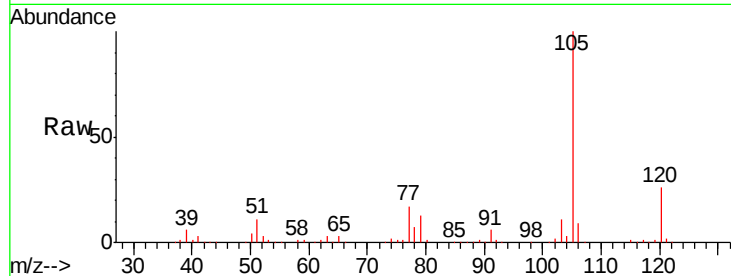
120 26.1 12.9 38.6

Manual Integrations

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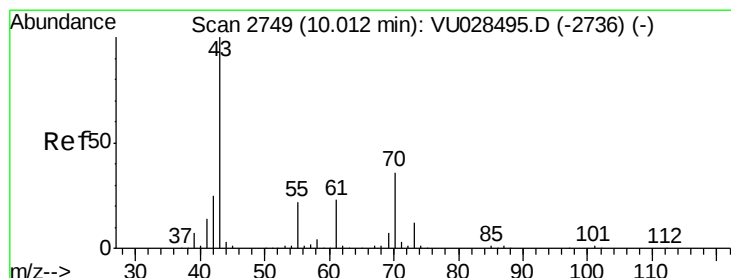
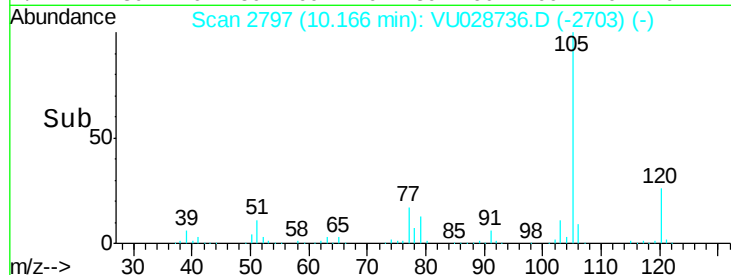
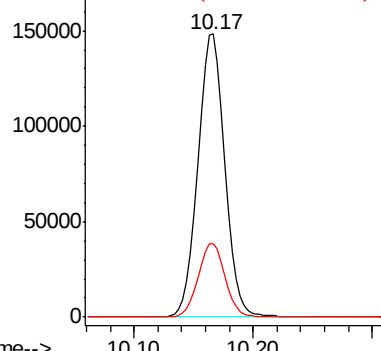
MMDadoda

12/18/2018 11:31:21 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 54.285 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028736.D

Acq: 17 Dec 2018 21:57

Tgt Ion: 43 Resp: 142897

Ion Ratio Lower Upper

43 100

70 36.3 29.3 43.9

55 22.8 18.0 27.0

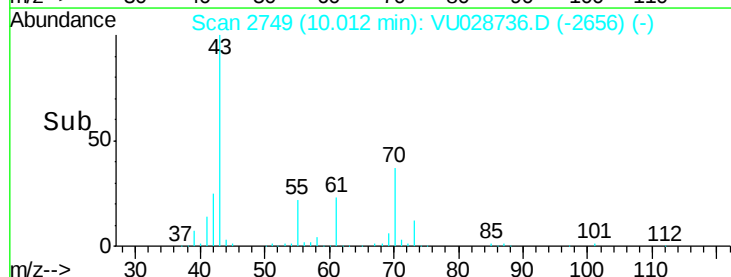
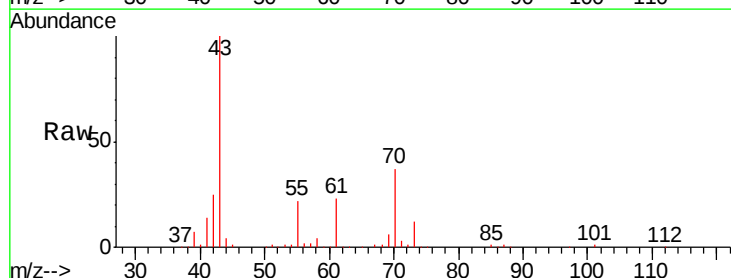
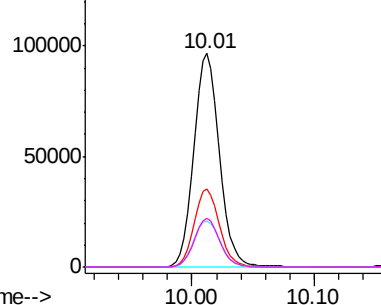
61 22.6 18.3 27.5

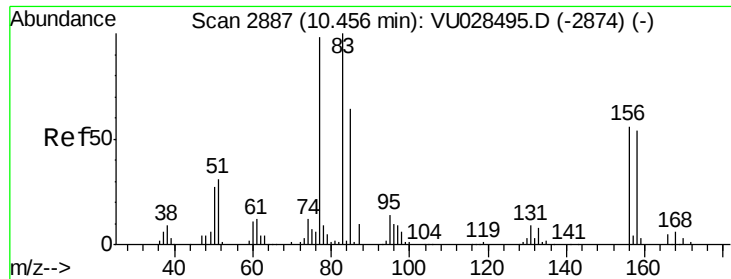
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





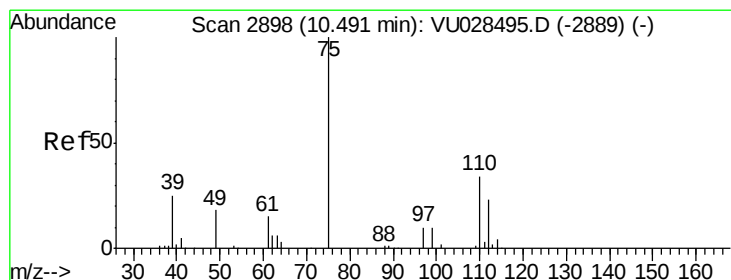
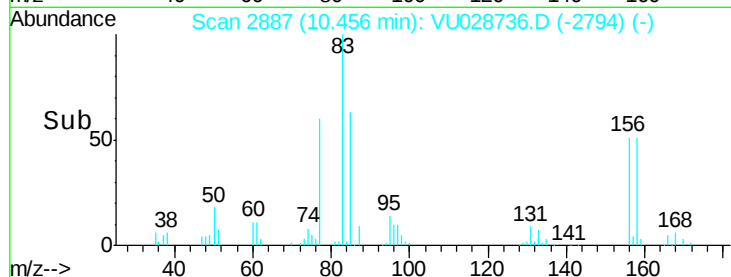
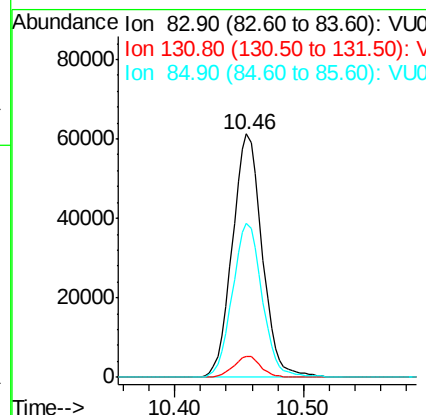
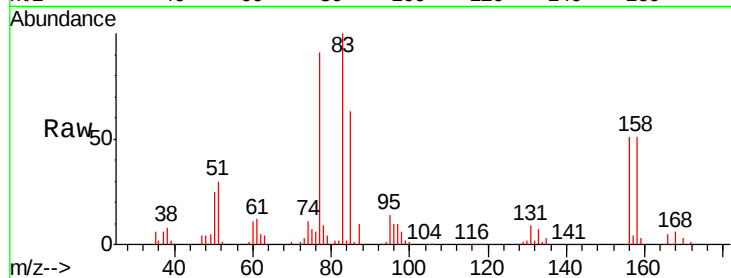
#75
 1,1,2,2-Tetrachloroethane
 Concen: 56.031 ug/l
 RT: 10.46 min Scan# 2887
 Delta R.T. -0.00 min
 Lab File: VU028736.D
 Acq: 17 Dec 2018 21:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	98224		
131	7.9	4.2	12.4	
85	63.4	31.8	95.4	

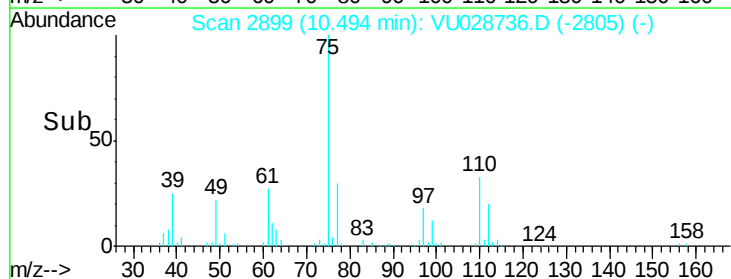
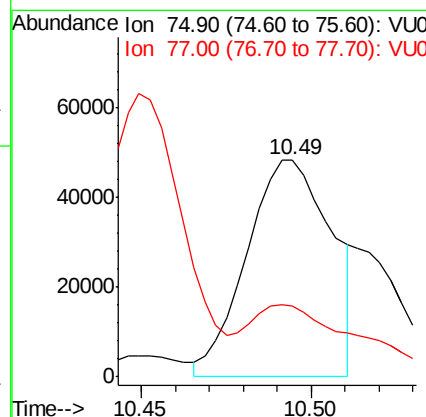
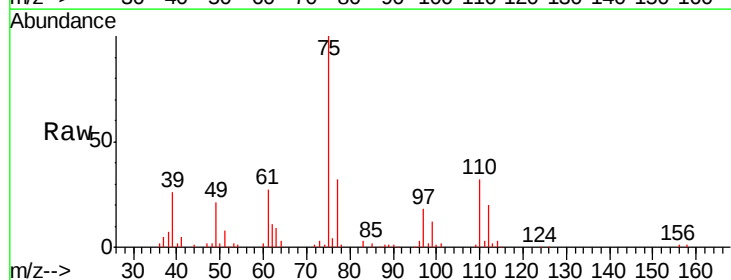
Manual Integrations
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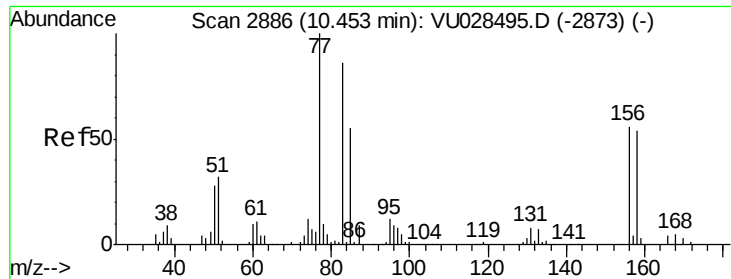
MMDadoda
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#76
 1,2,3-Trichloropropane
 Concen: 55.026 ug/l m
 RT: 10.49 min Scan# 2899
 Delta R.T. 0.00 min
 Lab File: VU028736.D
 Acq: 17 Dec 2018 21:57

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	83564		
77	41.7	20.8	62.4	





#77

Bromobenzene

Concen: 52.065 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU028736.D

Acq: 17 Dec 2018 21:57

Instrument :

MSVOA_U

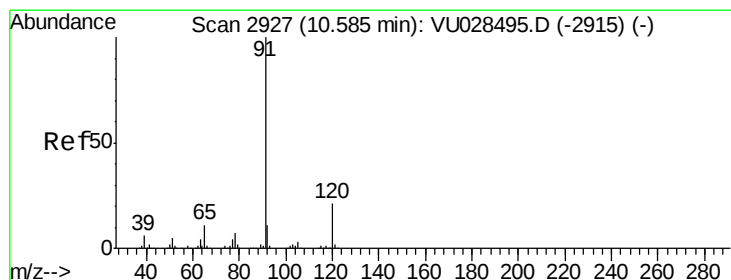
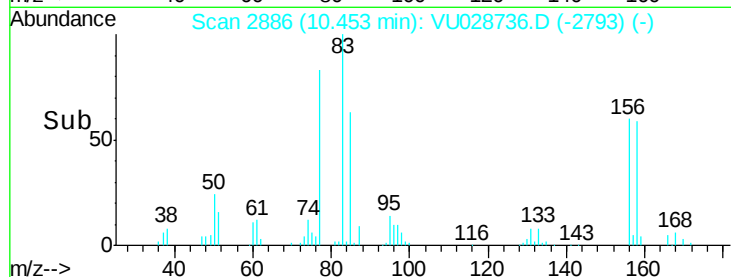
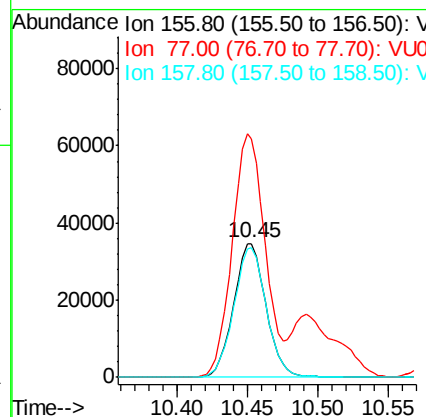
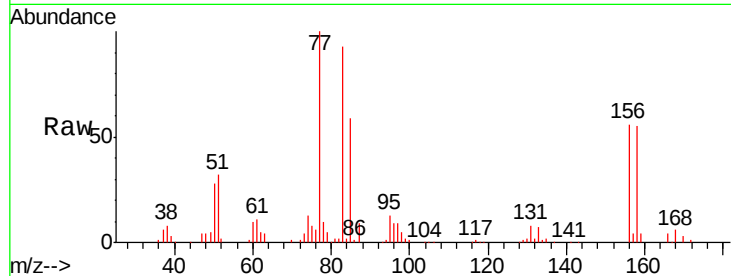
ClientSampleId :

VSTDCCC050

Tgt Ion:	156	Resp:	55568
Ion Ratio	Lower	Upper	
156	100		
77	184.5	92.4	277.2
158	98.0	48.4	145.3

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#78

n-propylbenzene

Concen: 50.711 ug/l

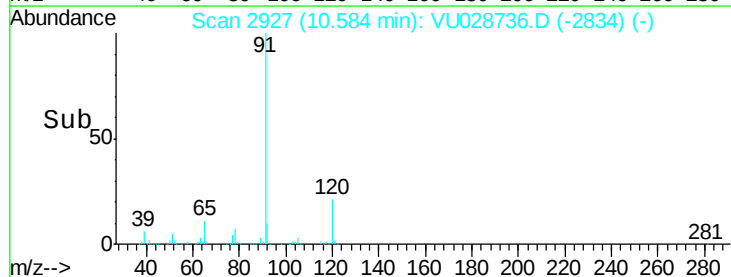
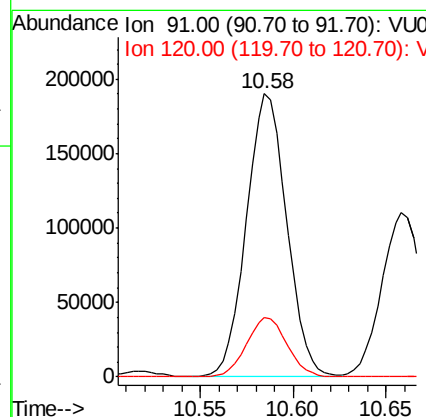
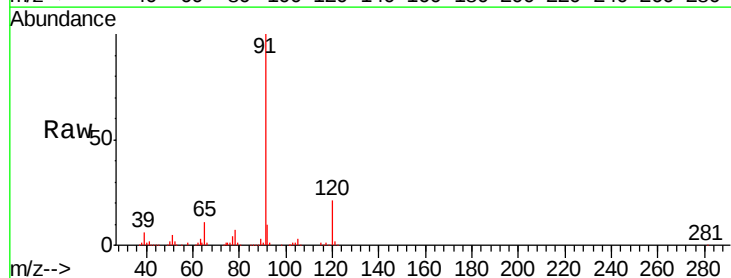
RT: 10.58 min Scan# 2927

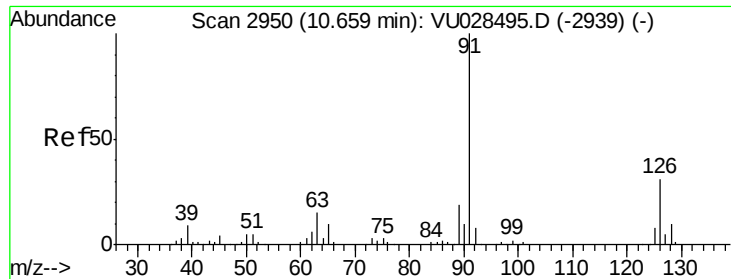
Delta R.T. -0.00 min

Lab File: VU028736.D

Acq: 17 Dec 2018 21:57

Tgt Ion:	91	Resp:	287561
Ion Ratio	Lower	Upper	
91	100		
120	21.1	10.6	31.8





#79

2-Chlorotoluene

Concen: 52.776 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. -0.00 min

Lab File: VU028736.D

Acq: 17 Dec 2018 21:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 172385

Ion Ratio Lower Upper

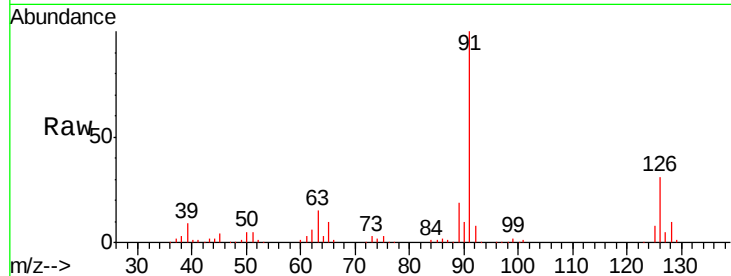
91 100

126 31.5 15.6 46.8

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Abundance Ion 91.00 (90.70 to 91.70): VU028495.D (-2939) (-)

Ion 125.90 (125.60 to 126.60): VU028495.D (-2939) (-)

200000

150000

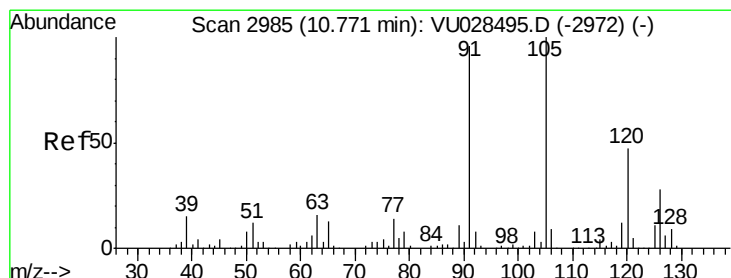
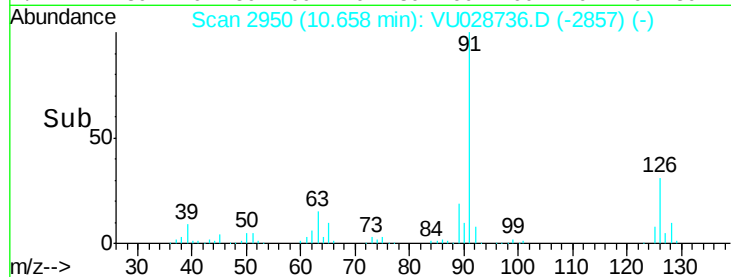
100000

50000

0

10.60 10.65 10.70 10.75

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 52.385 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028736.D

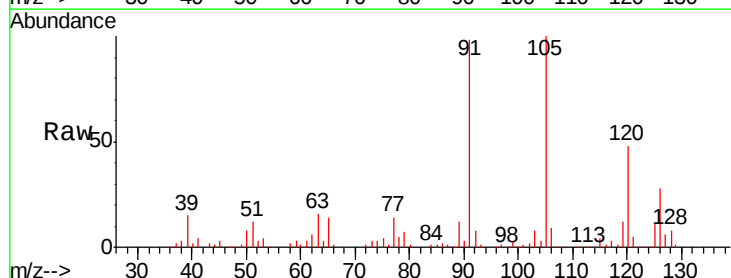
Acq: 17 Dec 2018 21:57

Tgt Ion: 105 Resp: 197887

Ion Ratio Lower Upper

105 100

120 47.4 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): VU028495.D (-2972) (-)

Ion 120.00 (119.70 to 120.70): VU028495.D (-2972) (-)

150000

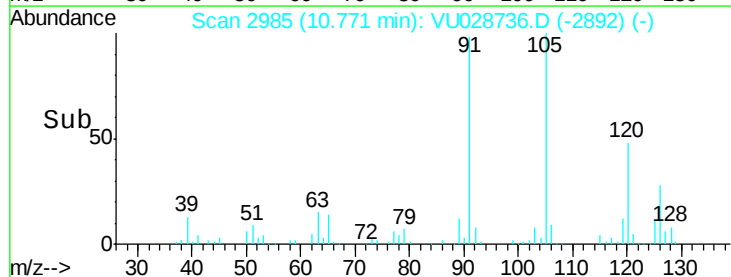
100000

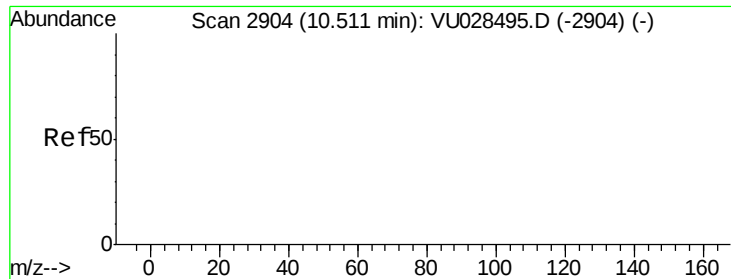
50000

0

10.70 10.75 10.80 10.85

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 56.125 ug/l m

RT: 10.51 min Scan# 2903

Delta R.T. -0.00 min

Lab File: VU028736.D

Acq: 17 Dec 2018 21:57

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tgt Ion: 75 Resp: 34706

Ion Ratio Lower Upper

75 100

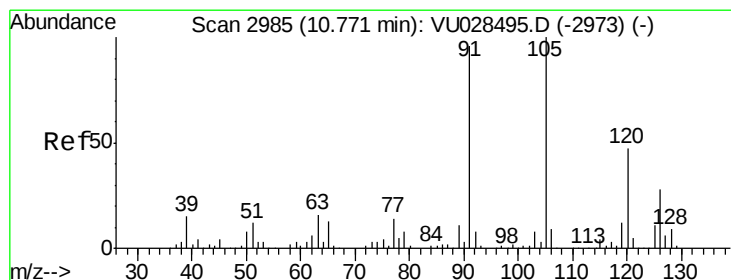
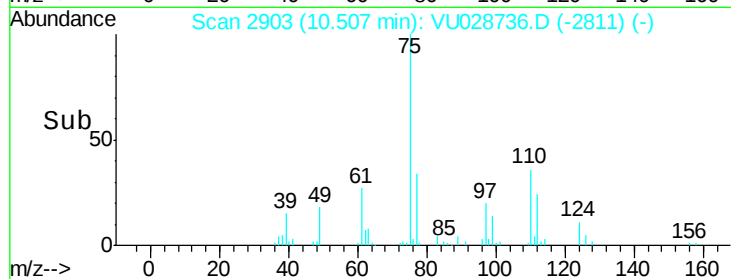
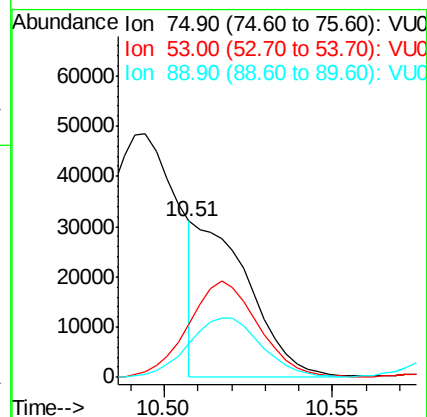
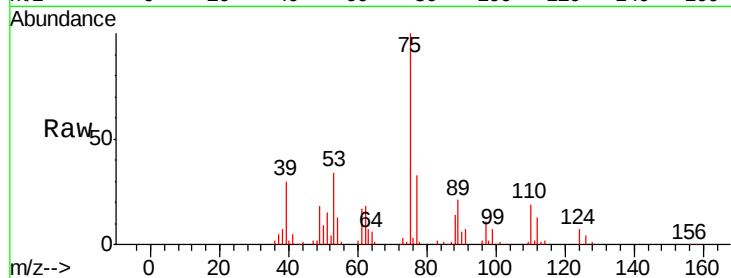
53 0.0 0.0 0.0

89 0.0 0.0 0.0

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12/18/2018 11:31:21 AM



#82

4-Chlorotoluene

Concen: 50.393 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. -0.00 min

Lab File: VU028736.D

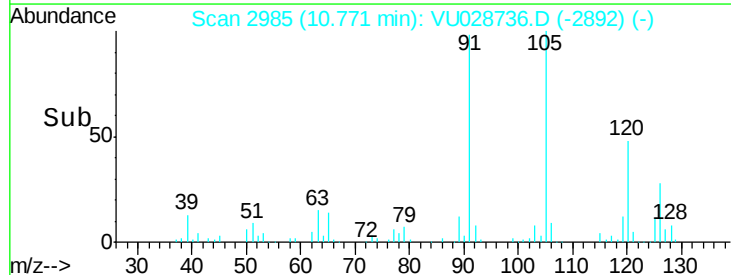
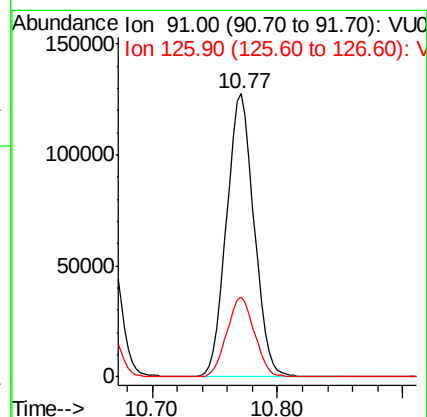
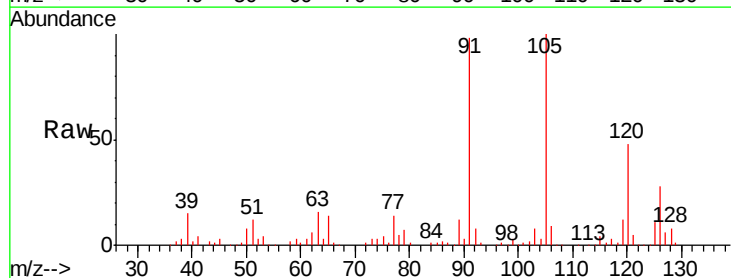
Acq: 17 Dec 2018 21:57

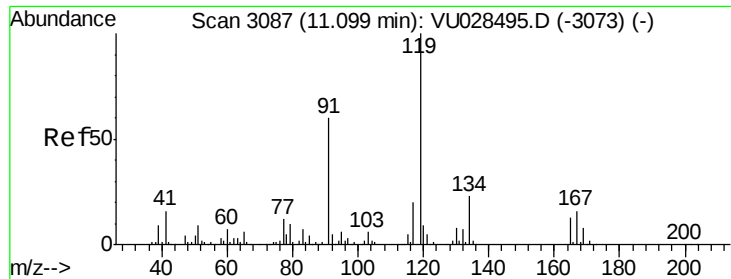
Tgt Ion: 91 Resp: 195057

Ion Ratio Lower Upper

91 100

126 28.5 14.1 42.3





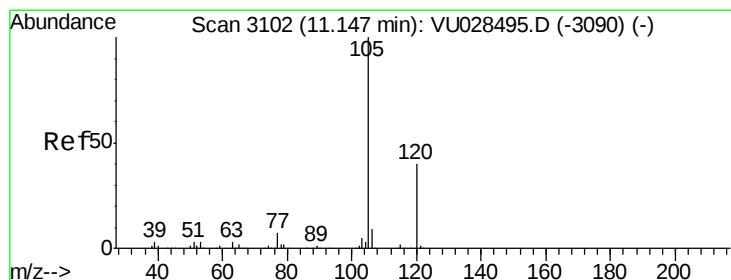
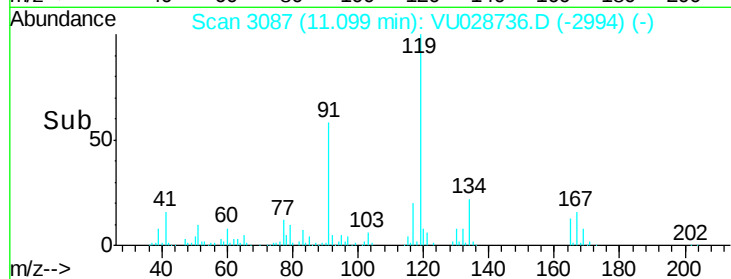
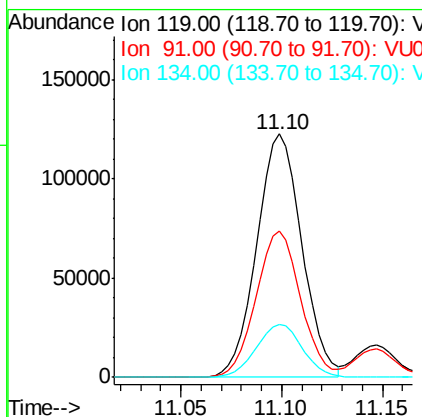
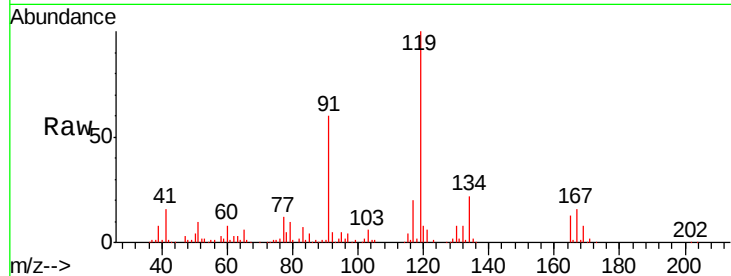
#83
tert-Butylbenzene
Concen: 52.500 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VU028736.D
Acq: 17 Dec 2018 21:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	191153		
91	59.6	30.3	91.0	
134	22.2	11.2	33.5	

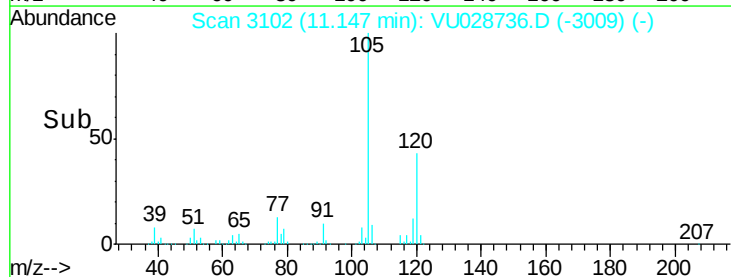
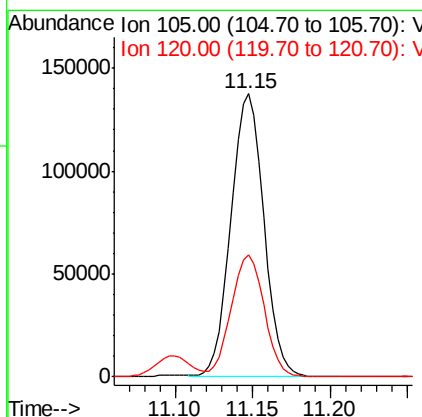
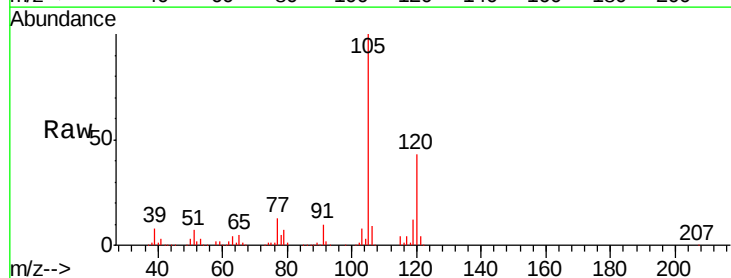
Manual Integrations
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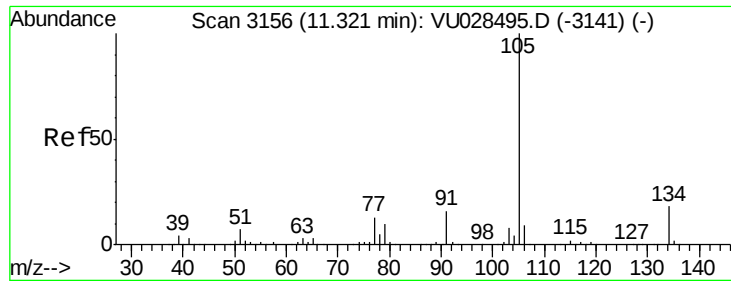
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 51.974 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU028736.D
Acq: 17 Dec 2018 21:57

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	202339		
120	43.7	21.8	65.4	





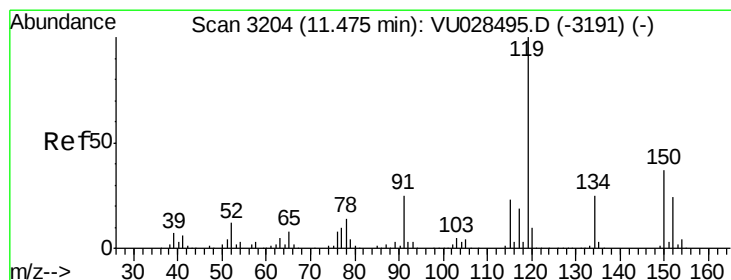
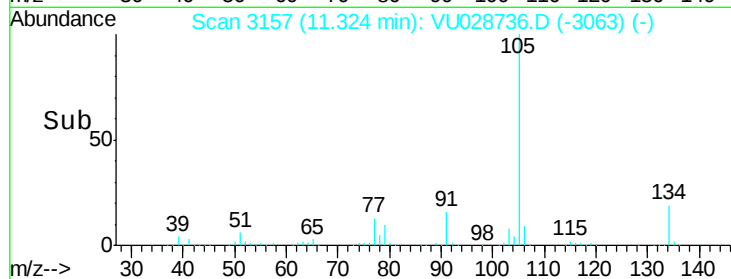
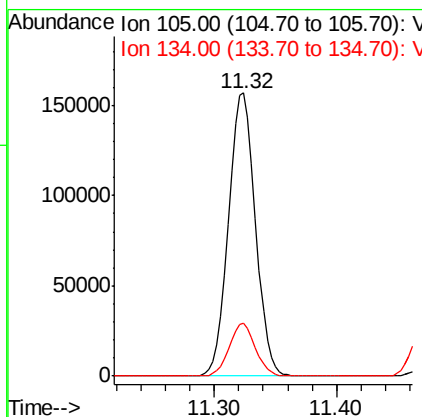
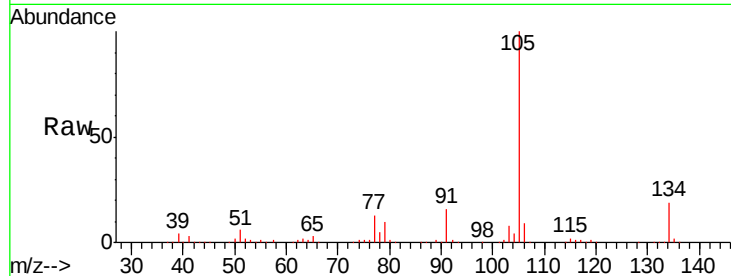
#85
 sec-Butylbenzene
 Concen: 51.740 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. 0.00 min
 Lab File: VU028736.D
 Acq: 17 Dec 2018 21:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tgt Ion:105 Resp: 242013
 Ion Ratio Lower Upper
 105 100
 134 18.2 9.2 27.6

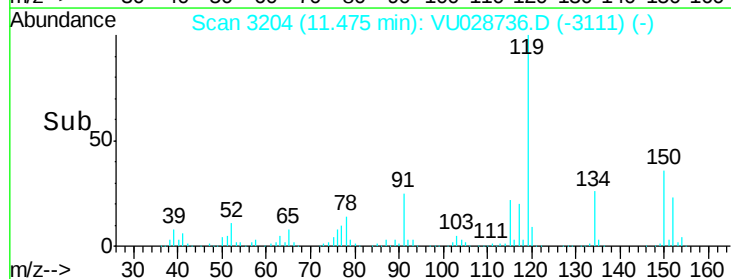
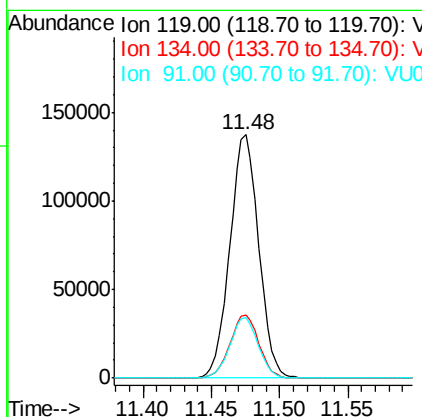
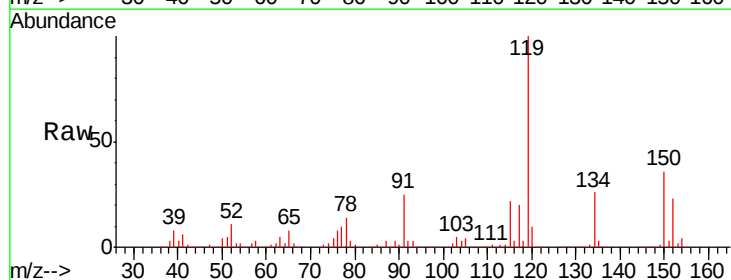
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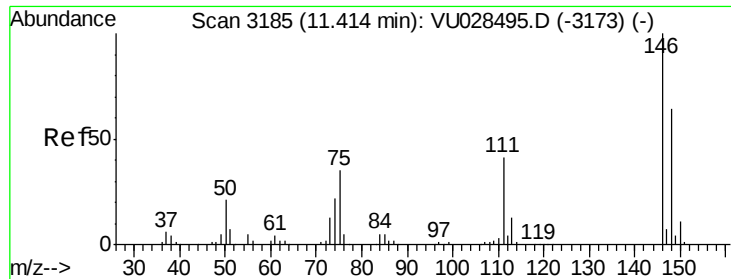
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 50.689 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU028736.D
 Acq: 17 Dec 2018 21:57

Tgt Ion:119 Resp: 201408
 Ion Ratio Lower Upper
 119 100
 134 25.9 12.7 38.1
 91 24.6 12.6 37.6





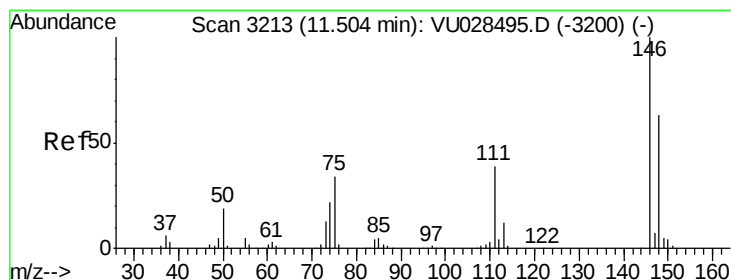
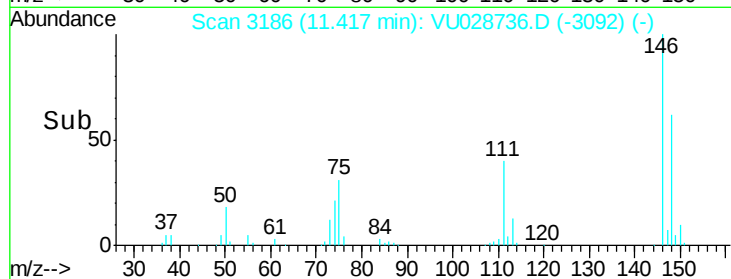
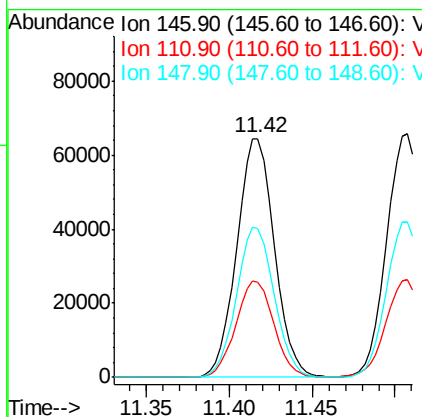
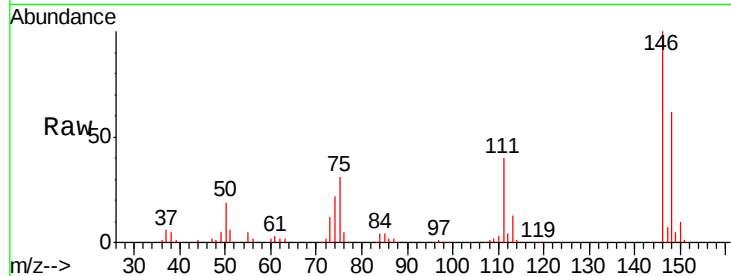
#87
 1,3-Dichlorobenzene
 Concen: 50.502 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. 0.00 min
 Lab File: VU028736.D
 Acq: 17 Dec 2018 21:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	101778		
111	40.9	20.7	62.1	
148	62.9	31.9	95.7	

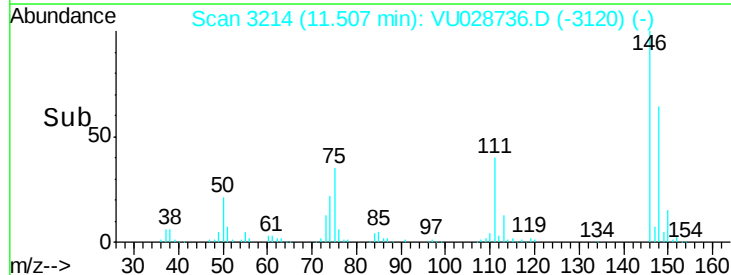
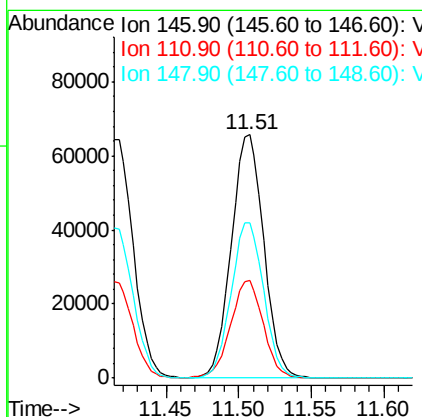
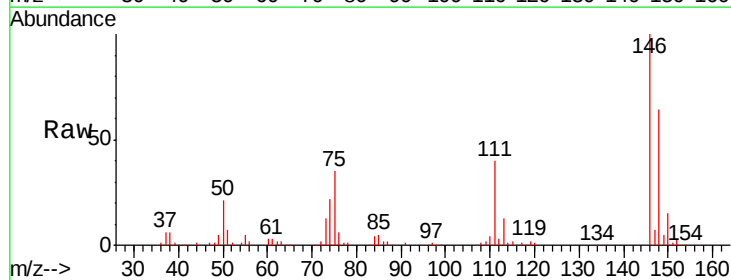
Manual Integrations
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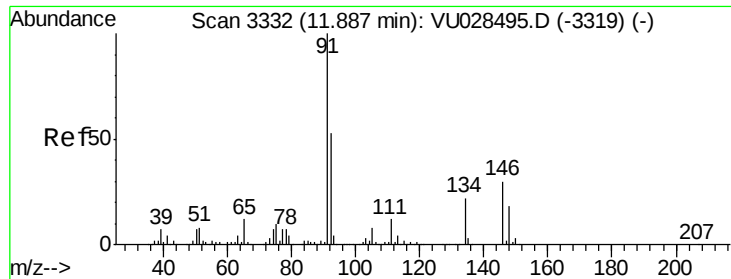
MMDadoda
 12/18/2018 11:31:21 AM



#88
 1,4-Dichlorobenzene
 Concen: 49.102 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU028736.D
 Acq: 17 Dec 2018 21:57

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	102381		
111	40.5	20.2	60.5	
148	64.0	31.6	95.0	





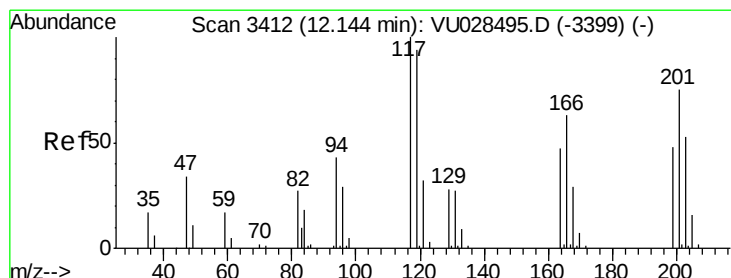
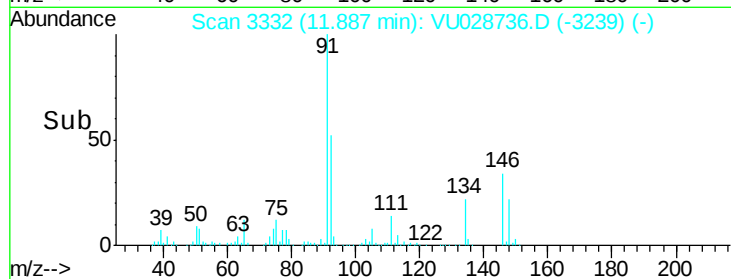
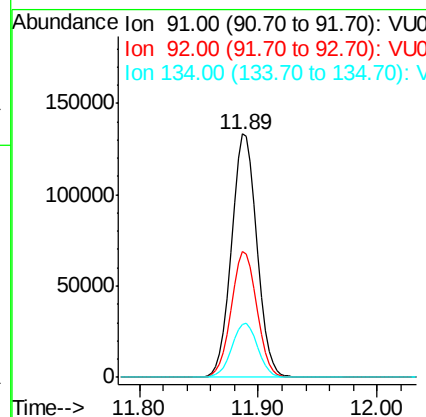
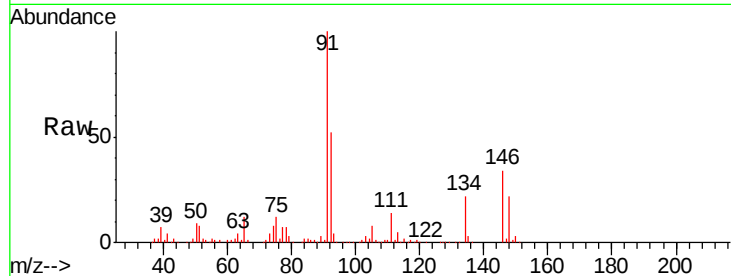
#89
n-Butylbenzene
Concen: 49.085 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VU028736.D
Acq: 17 Dec 2018 21:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.3	78.9
134	22.5	11.3	33.8

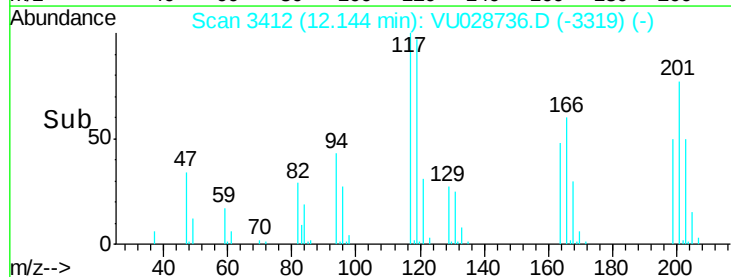
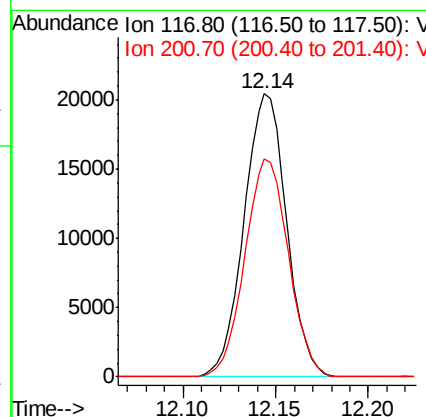
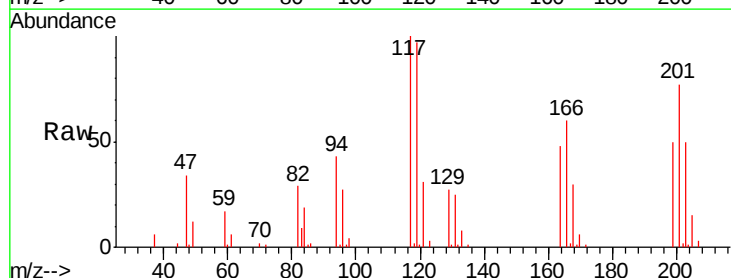
Manual Integrations
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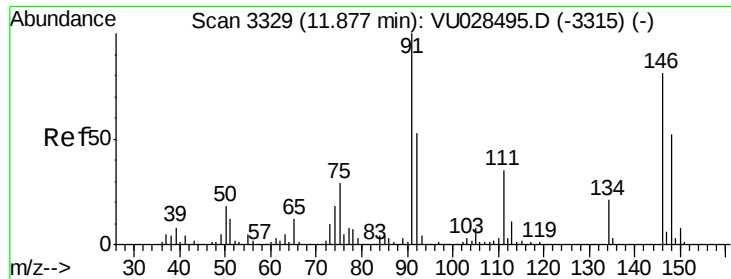
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12/18/2018 11:31:21 AM



#90
Hexachloroethane
Concen: 54.284 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028736.D
Acq: 17 Dec 2018 21:57

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.0	38.1	114.5





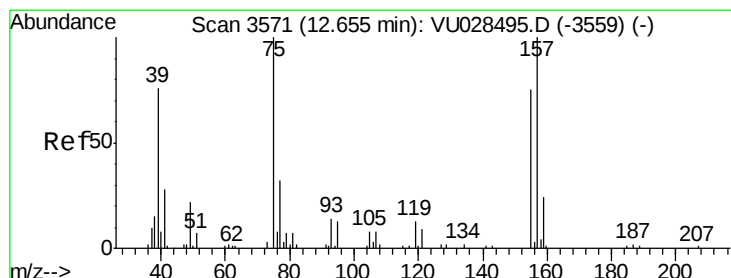
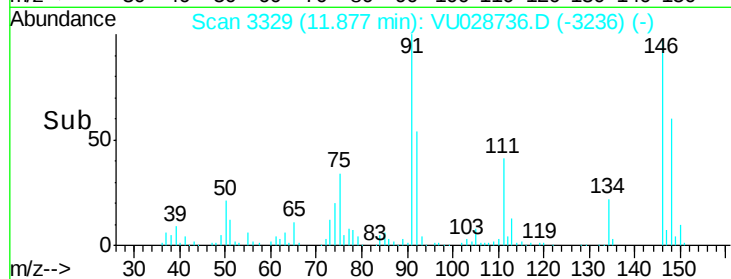
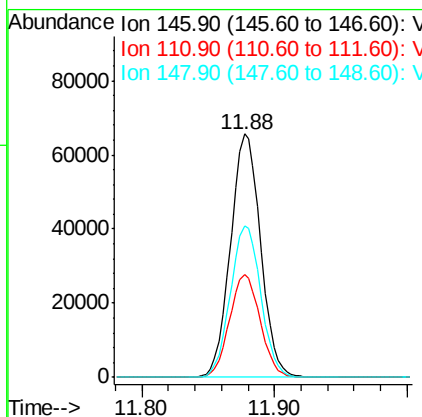
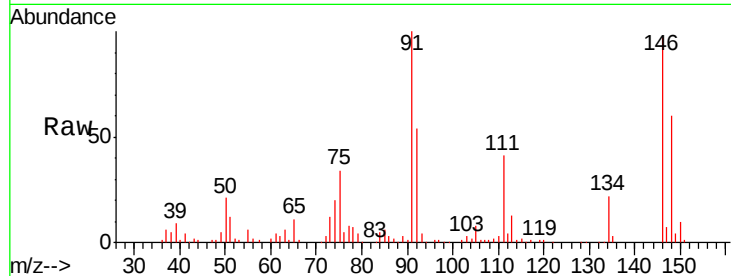
#91
 1,2-Dichlorobenzene
 Concen: 51.297 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU028736.D
 Acq: 17 Dec 2018 21:57

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	103409		
111	43.0	21.1	63.4	
148	63.1	31.4	94.2	

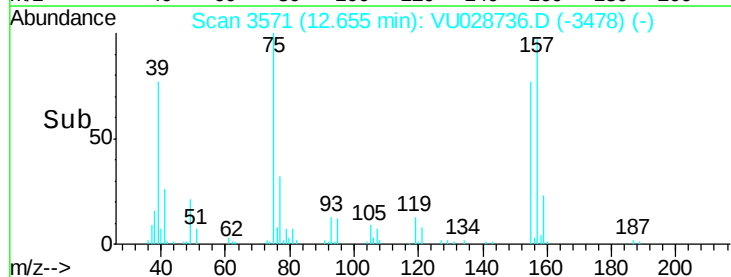
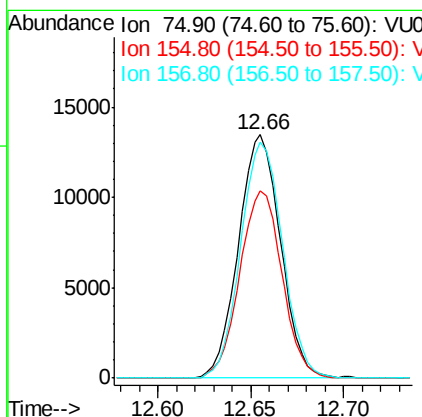
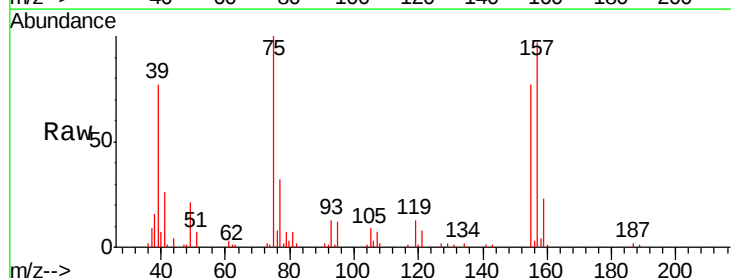
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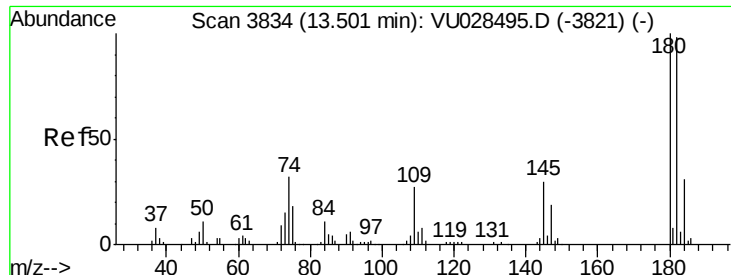
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.151 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU028736.D
 Acq: 17 Dec 2018 21:57

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	21311		
155	77.1	38.1	114.5	
157	96.8	48.7	146.1	





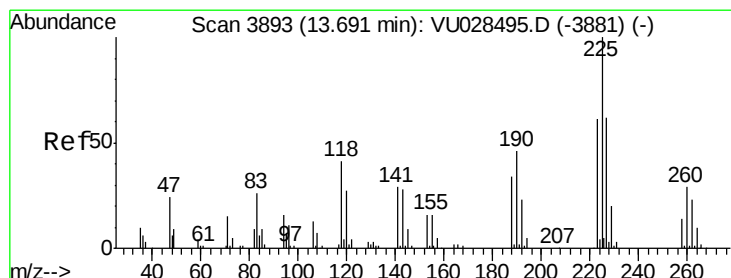
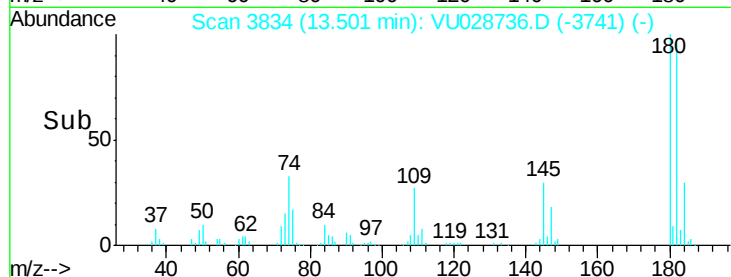
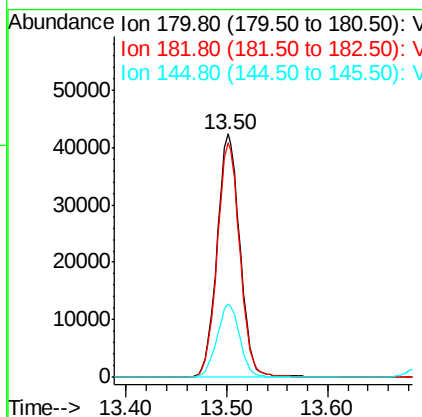
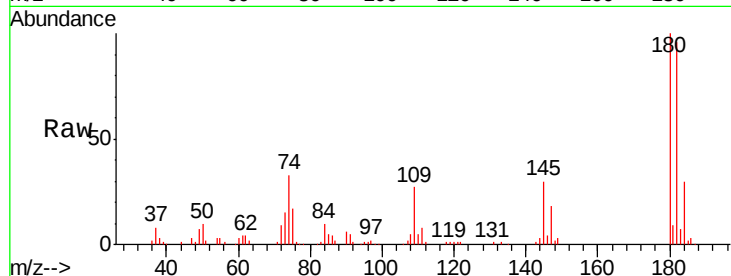
#93
1,2,4-Trichlorobenzene
Concen: 48.366 ug/l
RT: 13.50 min Scan# 3834
Delta R.T. -0.00 min
Lab File: VU028736.D
Acq: 17 Dec 2018 21:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	66959		
182	95.2	47.9	143.8	
145	30.1	15.0	45.1	

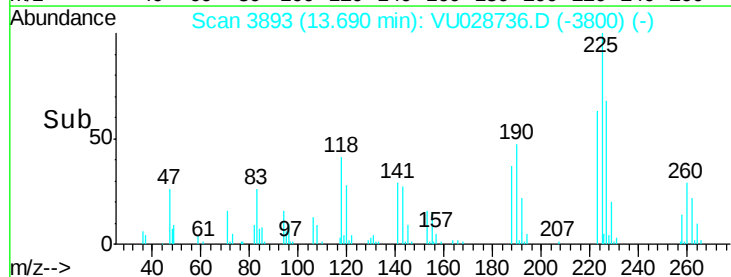
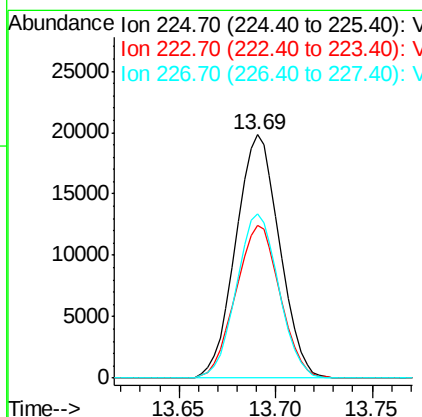
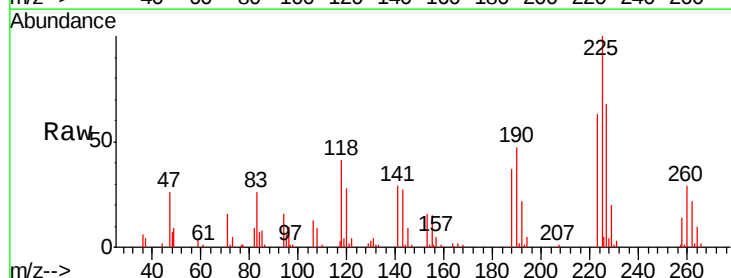
Manual Integrations
APPROVED

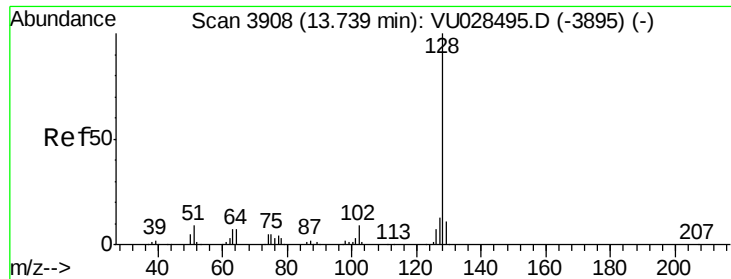
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#94
Hexachlorobutadiene
Concen: 47.150 ug/l
RT: 13.69 min Scan# 3893
Delta R.T. -0.00 min
Lab File: VU028736.D
Acq: 17 Dec 2018 21:57

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	31135		
223	63.4	30.4	91.2	
227	65.3	30.7	92.1	





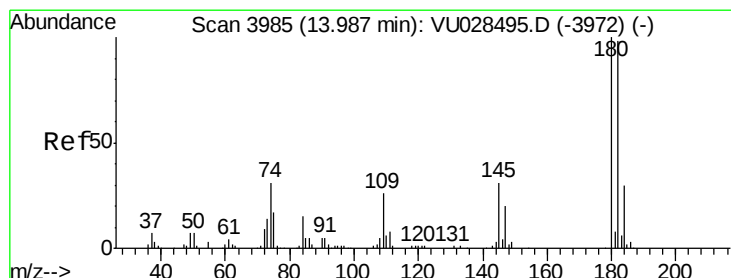
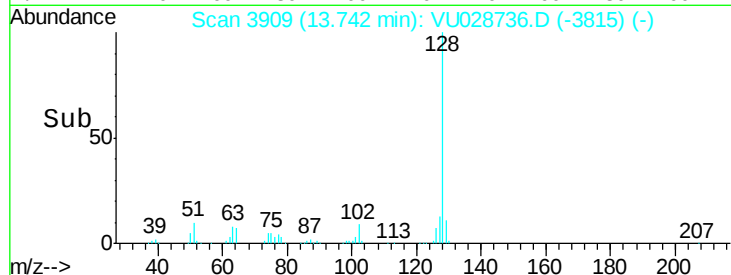
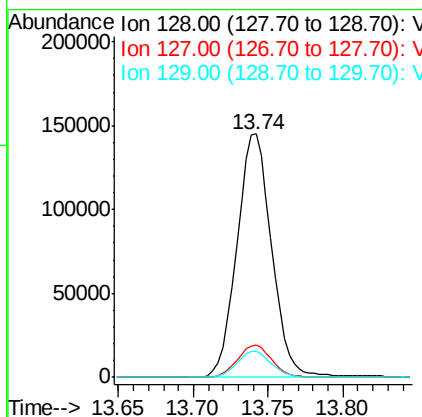
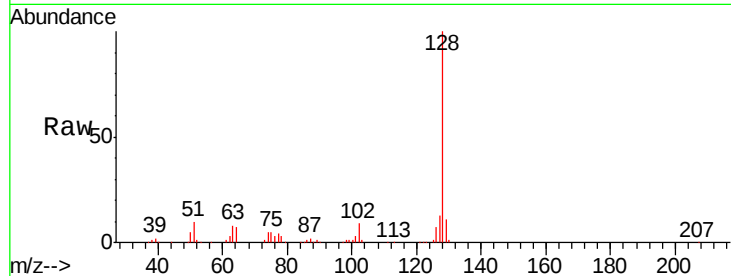
#95
Naphthalene
Concen: 48.346 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU028736.D
Acq: 17 Dec 2018 21:57

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	233866		
127	13.3	10.4	15.6	
129	10.8	8.6	13.0	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 49.841 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028736.D
Acq: 17 Dec 2018 21:57

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	68714		
182	95.9	48.2	144.6	
145	30.8	15.8	47.3	

