

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U121718\
 Data File : VU028762.D
 Acq On : 18 Dec 2018 08:48
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/18/2018 12:55:37 PM

Quant Time: Dec 18 12:22:15 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	75545	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	132954	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	126575	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	62338	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	62925	54.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.16%	
35) Dibromofluoromethane	4.88	113	45724	54.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.30%	
50) Toluene-d8	7.57	98	179013	54.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.18%	
62) 4-Bromofluorobenzene	10.30	95	66894	54.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	51025	50.391	ug/l	97
3) Chloromethane	1.33	50	88648	47.619	ug/l	99
4) Vinyl Chloride	1.40	62	68209	50.771	ug/l	99
5) Bromomethane	1.61	94	26964	49.825	ug/l	97
6) Chloroethane	1.68	64	39540	51.988	ug/l	100
7) Trichlorofluoromethane	1.88	101	73028	51.666	ug/l	99
8) Diethyl Ether	2.10	74	31877	48.204	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.28	101	42582	50.372	ug/l	98
10) Methyl Iodide	2.41	142	45463	68.540	ug/l	100
11) Tert butyl alcohol	2.83	59	67803	263.975	ug/l	100
12) 1,1-Dichloroethene	2.28	96	40583	48.250	ug/l	93
13) Acrolein	2.19	56	69433	339.092	ug/l	100
14) Allyl chloride	2.59	41	96867	48.682	ug/l	100
15) Acrylonitrile	2.93	53	201369	282.382	ug/l	99
16) Acetone	2.32	43	157291	209.081	ug/l	100
17) Carbon Disulfide	2.48	76	144515	47.693	ug/l	99
18) Methyl Acetate	2.61	43	120222	61.648	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	172060	53.962	ug/l	99
20) Methylene Chloride	2.70	84	54665	49.292	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	47228	49.870	ug/l	99
22) Diisopropyl ether	3.57	45	214400	55.409	ug/l	100
23) Vinyl Acetate	3.52	43	869108	272.304	ug/l	100
24) 1,1-Dichloroethane	3.44	63	106555	52.607	ug/l	99
25) 2-Butanone	4.26	43	271410	263.994	ug/l	99
26) 2,2-Dichloropropane	4.22	77	62705	39.071	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	55027	51.337	ug/l	99
28) Bromochloromethane	4.55	49	53472	58.072	ug/l	96
29) Tetrahydrofuran	4.63	42	188720	285.818	ug/l	98
30) Chloroform	4.67	83	96075	54.423	ug/l	98
31) Cyclohexane	4.99	56	101769	51.524	ug/l	98
32) 1,1,1-Trichloroethane	4.91	97	78082	53.256	ug/l	99
36) 1,1-Dichloropropene	5.13	75	74095	50.928	ug/l	100
37) Ethyl Acetate	4.38	43	103536	55.050	ug/l	100
38) Carbon Tetrachloride	5.13	117	60422	51.526	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	85992	48.447	ug/l	99
40) Benzene	5.39	78	226109	52.768	ug/l	97
41) Methacrylonitrile	4.54	41	59605	57.870	ug/l	97
42) 1,2-Dichloroethane	5.40	62	78970	52.650	ug/l	99
43) Isopropyl Acetate	5.55	43	166889	56.101	ug/l	99
44) Trichloroethene	6.19	130	49708	52.173	ug/l	94
45) 1,2-Dichloropropane	6.43	63	65041	53.977	ug/l	96
46) Dibromomethane	6.56	93	38655	54.067	ug/l	99
47) Bromodichloromethane	6.76	83	74021	53.205	ug/l	100
48) Methyl methacrylate	6.62	41	84130	56.869	ug/l	99
49) 1,4-Dioxane	6.61	88	24082	1030.963	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	533135	284.152	ug/l	98
52) Toluene	7.64	92	132529	52.553	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	84251	50.847	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	91279	50.776	ug/l	99
55) 1,1,2-Trichloroethane	8.06	97	54172	54.343	ug/l	95
56) Ethyl methacrylate	8.02	69	94861	55.570	ug/l	99
57) 1,3-Dichloropropane	8.24	76	99652	53.853	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.12	63	243637	278.646	ug/l	99
59) 2-Hexanone	8.36	43	405225	272.491	ug/l	100
60) Dibromochloromethane	8.48	129	51629	52.900	ug/l	100
61) 1,2-Dibromoethane	8.58	107	57360	54.871	ug/l	100
64) Tetrachloroethene	8.22	164	42571	50.423	ug/l	99
65) Chlorobenzene	9.12	112	138312	51.280	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	47093	54.677	ug/l	99
67) Ethyl Benzene	9.25	91	254215	51.271	ug/l	100
68) m/p-Xylenes	9.37	106	186210	103.210	ug/l	98
69) o-Xylene	9.78	106	92385	52.692	ug/l	99
70) Styrene	9.79	104	151912	52.355	ug/l	99
71) Bromoform	9.96	173	41294	56.359	ug/l #	99
73) Isopropylbenzene	10.16	105	242766	50.752	ug/l	99
74) N-amyl acetate	10.01	43	149232	54.085	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	99825	54.326	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	76799m	48.246	ug/l	
77) Bromobenzene	10.45	156	57666	51.546	ug/l	99
78) n-propylbenzene	10.58	91	299481	50.385	ug/l	99
79) 2-Chlorotoluene	10.66	91	177311	51.788	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	204814	51.726	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	116306	178.285	ug/l #	100
82) 4-Chlorotoluene	10.77	91	202165	49.828	ug/l	100
83) tert-Butylbenzene	11.10	119	193436	50.684	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	210172	51.504	ug/l	99
85) sec-Butylbenzene	11.32	105	249039	50.794	ug/l	99
86) p-Isopropyltoluene	11.47	119	206324	49.539	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	105099	49.753	ug/l	100
88) 1,4-Dichlorobenzene	11.50	146	106099	48.545	ug/l	99
89) n-Butylbenzene	11.89	91	202360	48.009	ug/l	100
90) Hexachloroethane	12.14	117	33598	53.372	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	105643	49.996	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	21977	55.244	ug/l	99

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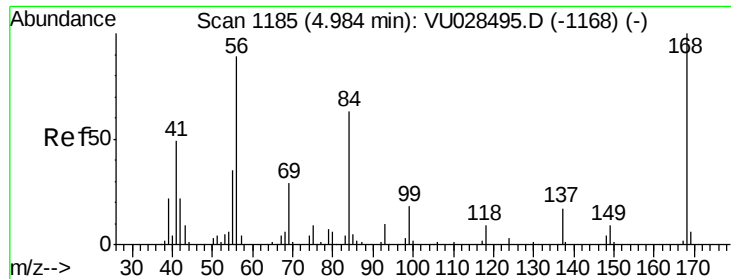
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	69851	48.139	ug/l	99
94) Hexachlorobutadiene	13.69	225	32539	47.011	ug/l	98
95) Naphthalene	13.74	128	247665	48.845	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	72279	50.016	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028762.D

Acq: 18 Dec 2018 08:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 168 Resp: 75545

Ion Ratio Lower Upper

168 100

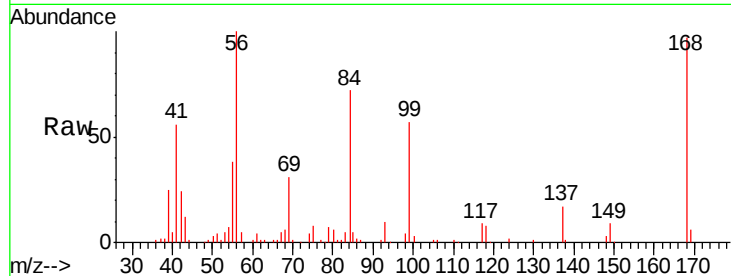
99 58.5 46.6 69.8

Manual Integrations

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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

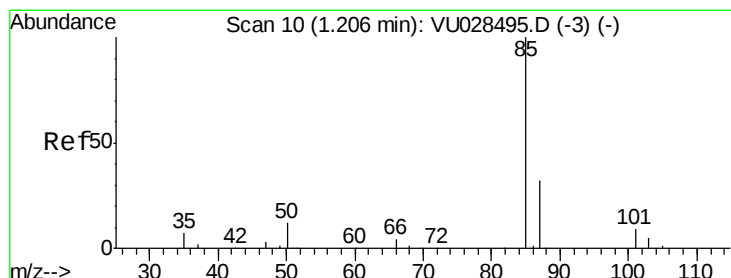
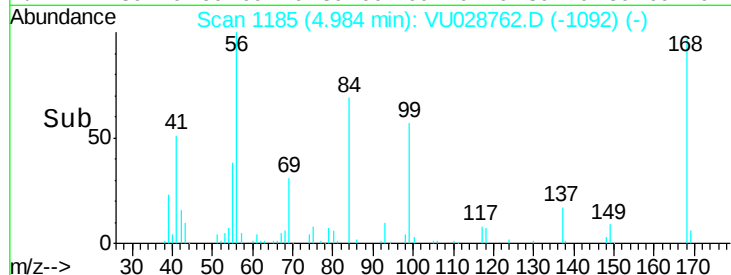
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10000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 50.391 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU028762.D

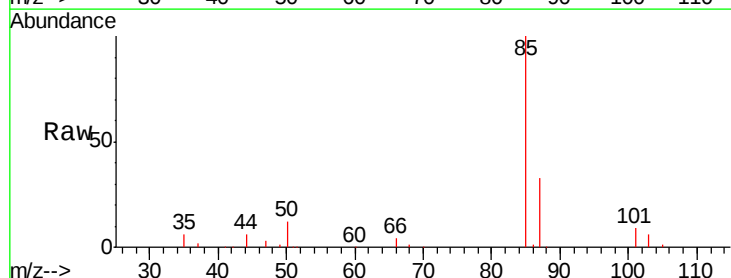
Acq: 18 Dec 2018 08:48

Tgt Ion: 85 Resp: 51025

Ion Ratio Lower Upper

85 100

87 33.1 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) (-)

1.21

60000

50000

40000

30000

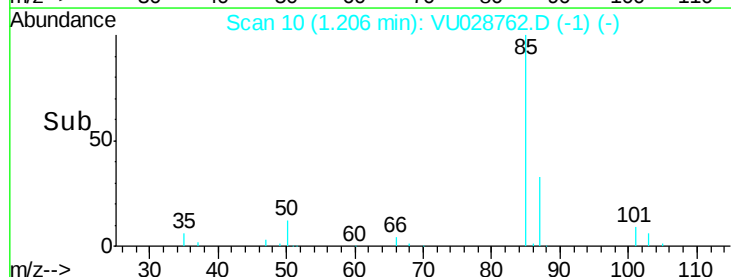
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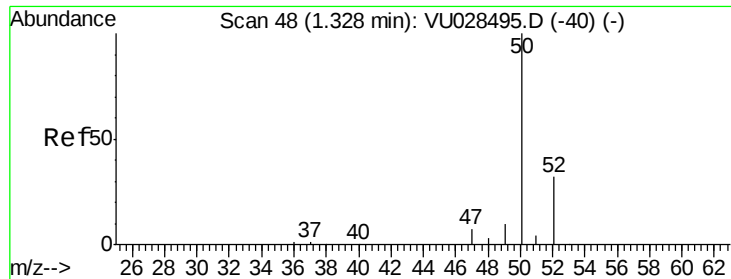
10000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 47.619 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028762.D

Acq: 18 Dec 2018 08:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 50 Resp: 88648

Ion Ratio Lower Upper

50 100

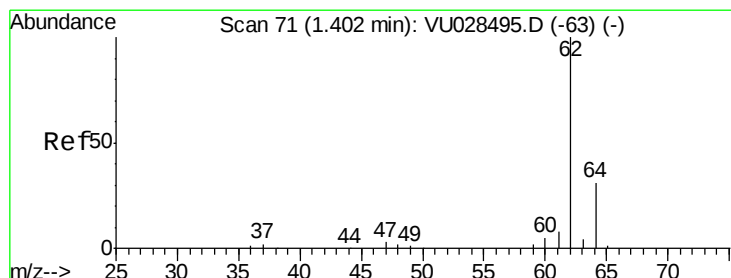
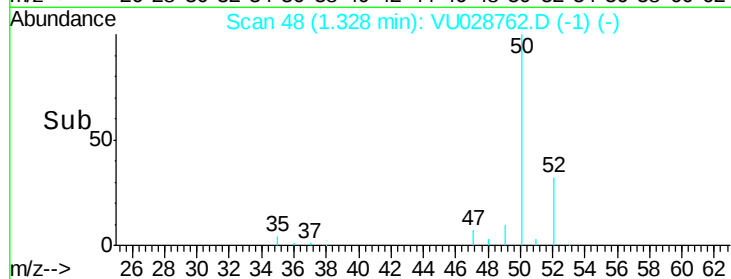
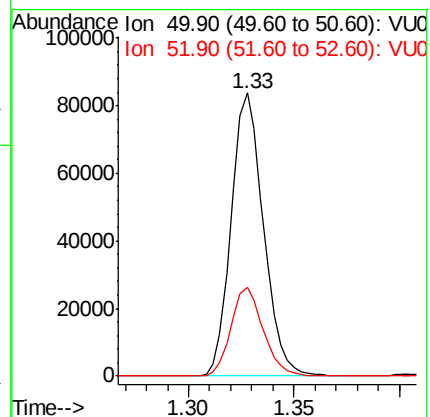
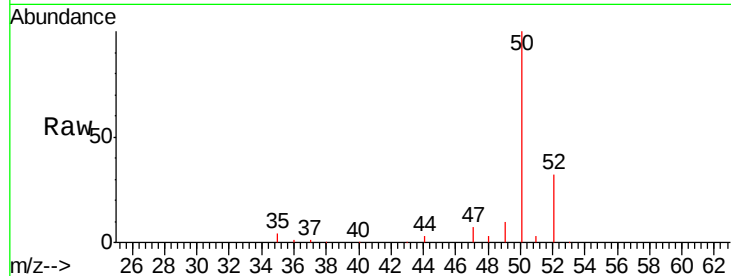
52 31.5 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 50.771 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028762.D

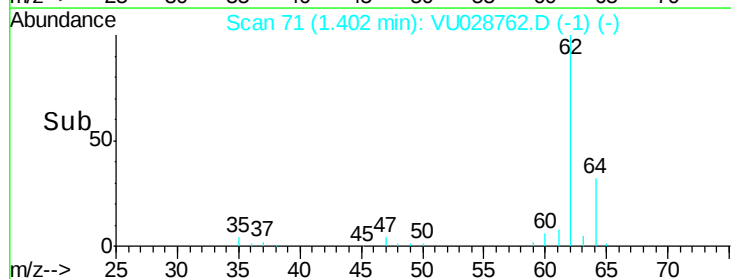
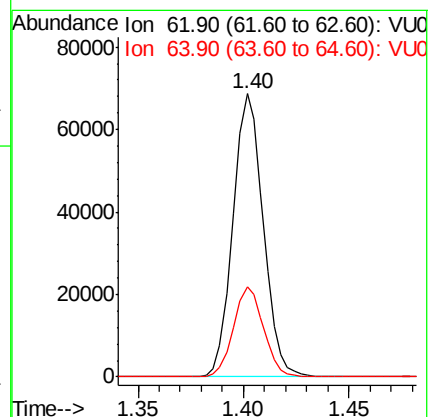
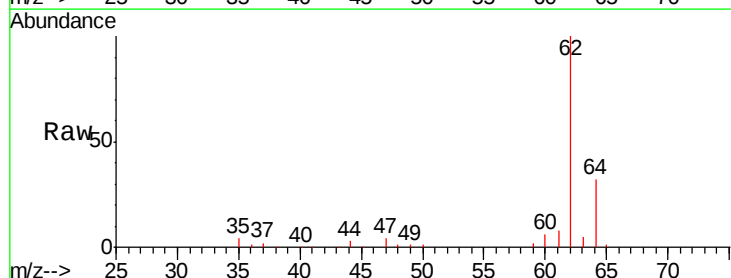
Acq: 18 Dec 2018 08:48

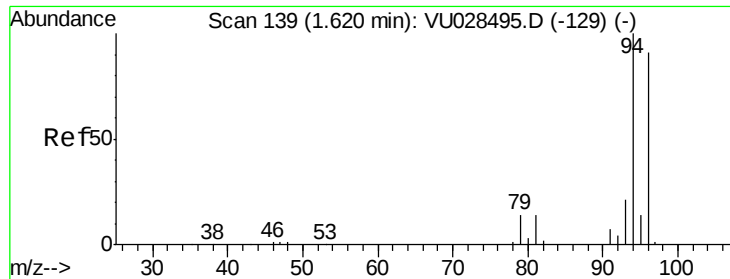
Tgt Ion: 62 Resp: 68209

Ion Ratio Lower Upper

62 100

64 32.0 25.1 37.7





#5

Bromomethane

Concen: 49.825 ug/l

RT: 1.61 min Scan# 135

Delta R.T. -0.01 min

Lab File: VU028762.D

Acq: 18 Dec 2018 08:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 94 Resp: 26964

Ion Ratio Lower Upper

94 100

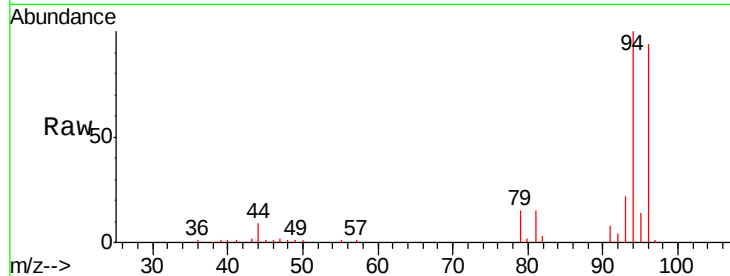
96 94.5 73.2 109.8

Manual Integrations

APPROVED

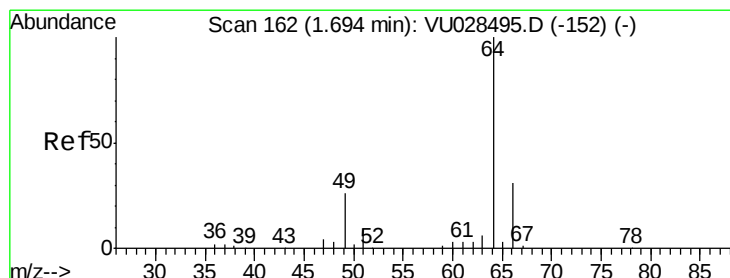
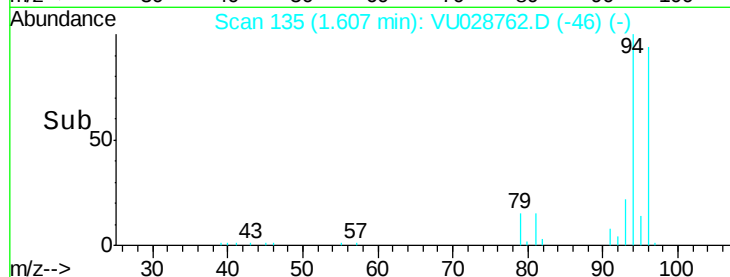
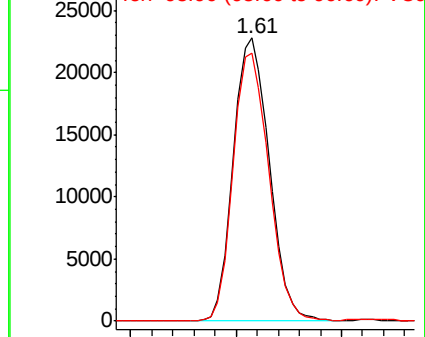
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 51.988 ug/l

RT: 1.68 min Scan# 159

Delta R.T. -0.01 min

Lab File: VU028762.D

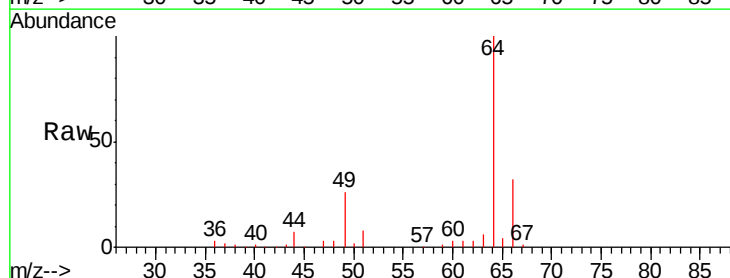
Acq: 18 Dec 2018 08:48

Tgt Ion: 64 Resp: 39540

Ion Ratio Lower Upper

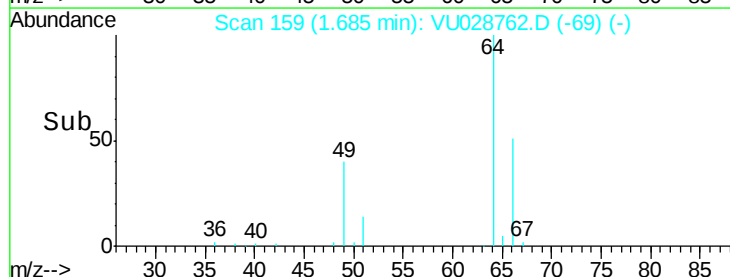
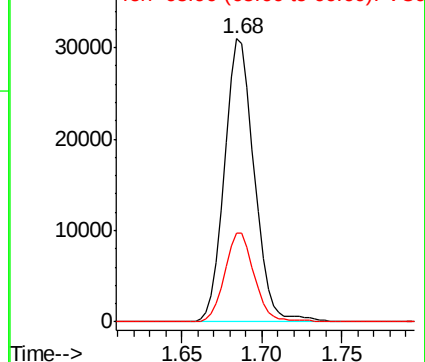
64 100

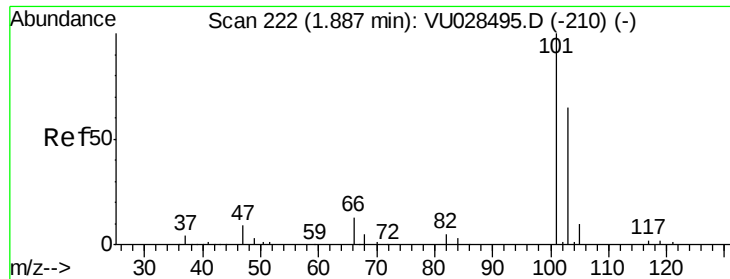
66 31.5 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

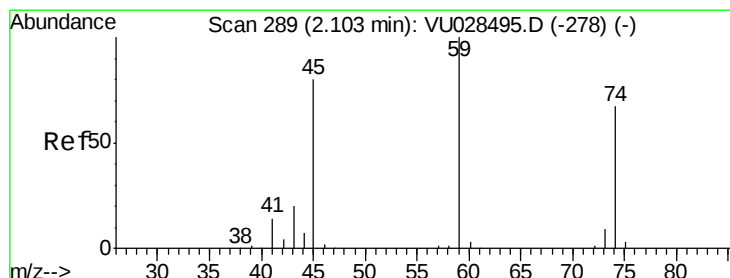
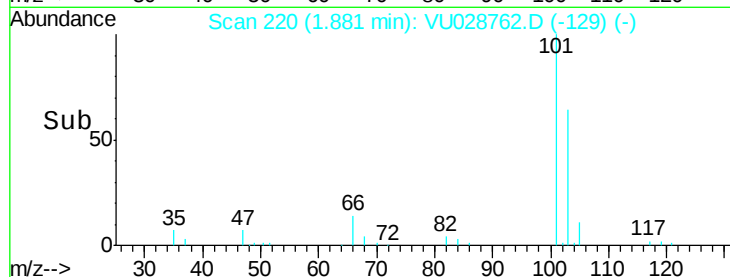
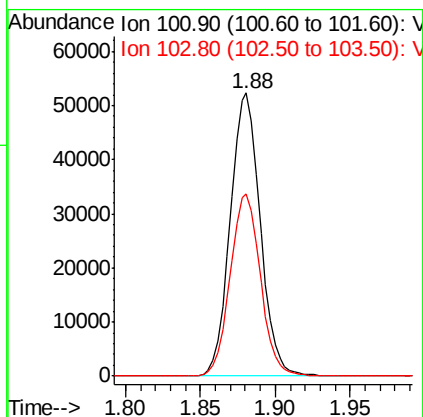
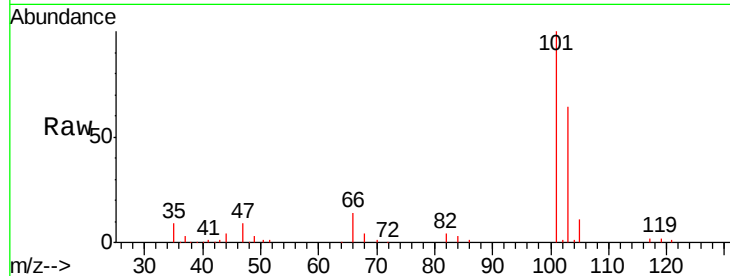
Trichlorofluoromethane
 Concen: 51.666 ug/l
 RT: 1.88 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VU028762.D
 Acq: 18 Dec 2018 08:48

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 VSTDCCC050EC

Tgt Ion: 101 Resp: 73028
 Ion Ratio Lower Upper
 101 100
 103 64.4 52.3 78.5

Manual Integrations
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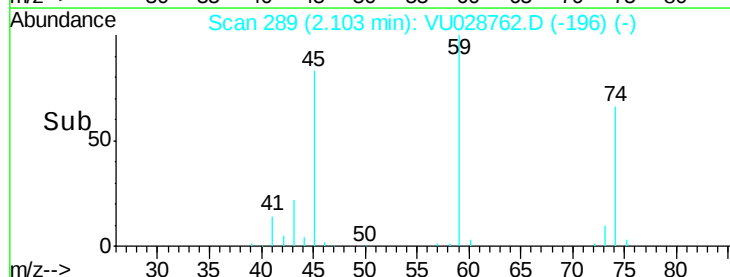
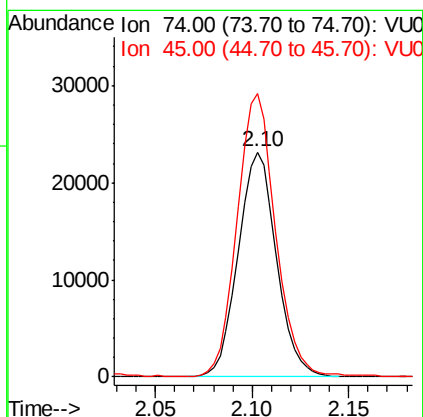
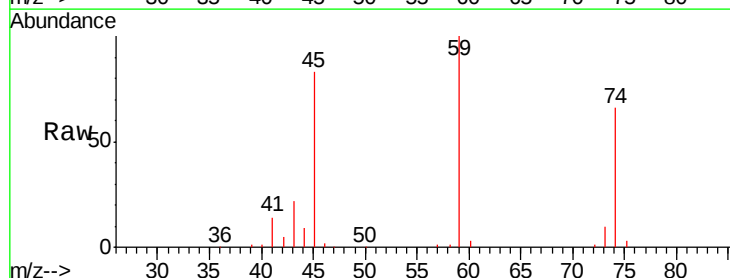
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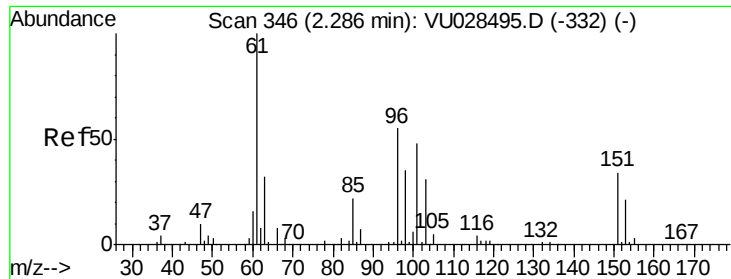


#8

Diethyl Ether
 Concen: 48.204 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. -0.00 min
 Lab File: VU028762.D
 Acq: 18 Dec 2018 08:48

Tgt Ion: 74 Resp: 31877
 Ion Ratio Lower Upper
 74 100
 45 126.7 59.7 179.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.372 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028762.D

Acq: 18 Dec 2018 08:48

Instrument :

MSVOA_U

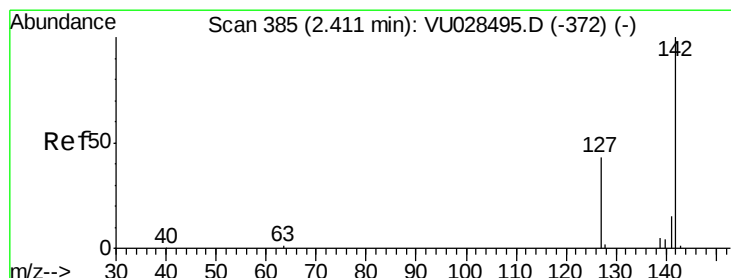
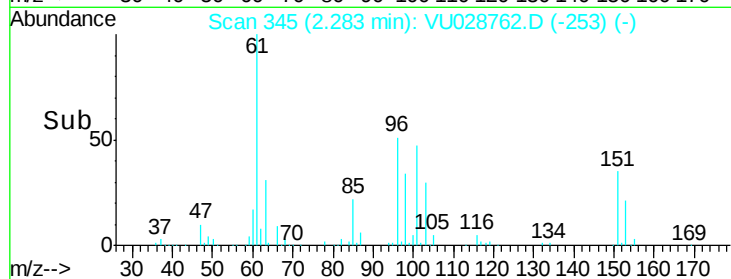
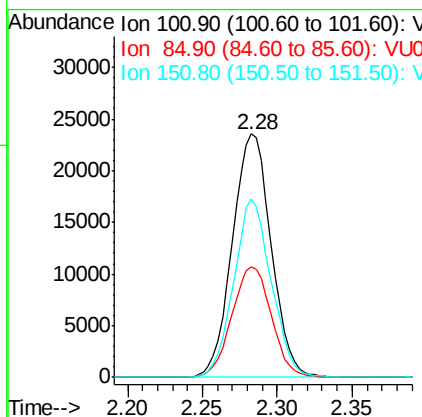
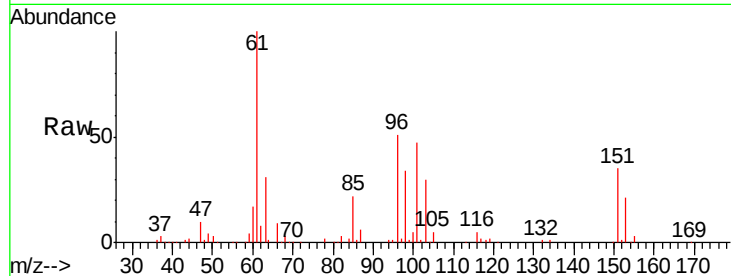
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	101	Resp:	42582
Ion Ratio	Lower	Upper	
101	100		
85	46.1	36.4	54.6
151	70.7	58.2	87.2

Manual Integrations
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#10

Methyl Iodide

Concen: 68.540 ug/l

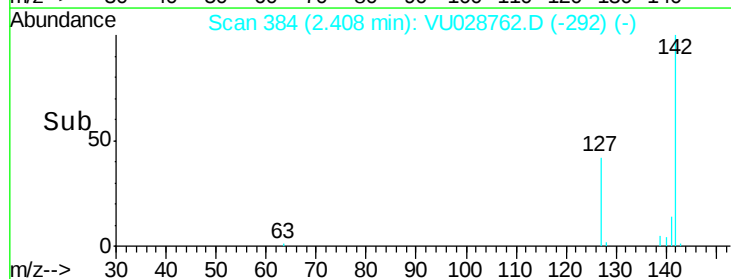
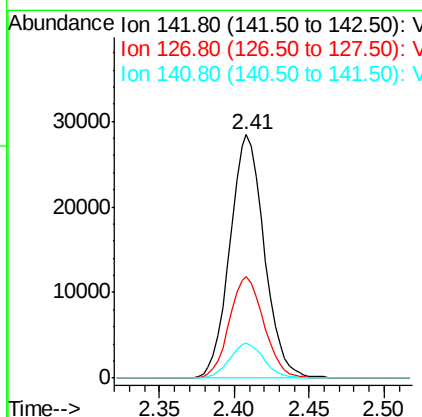
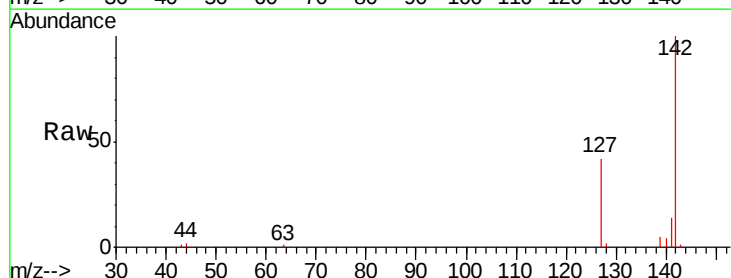
RT: 2.41 min Scan# 384

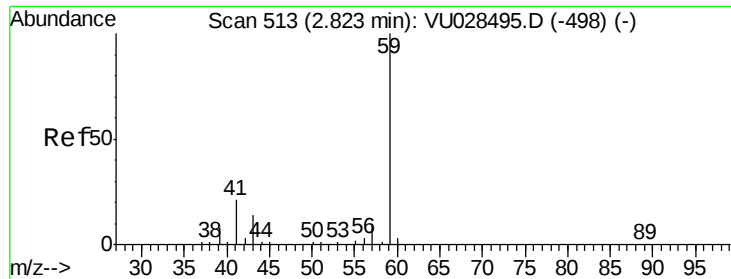
Delta R.T. -0.00 min

Lab File: VU028762.D

Acq: 18 Dec 2018 08:48

Tgt Ion:	142	Resp:	45463
Ion Ratio	Lower	Upper	
142	100		
127	42.0	33.5	50.3
141	14.4	11.2	16.8





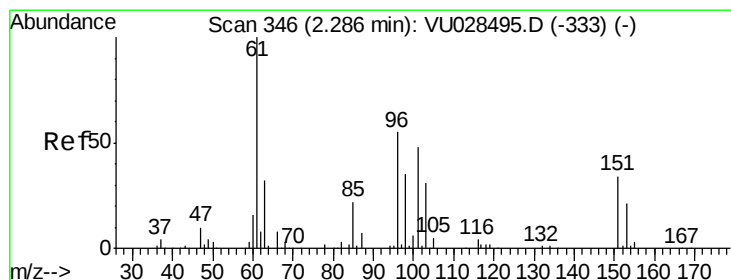
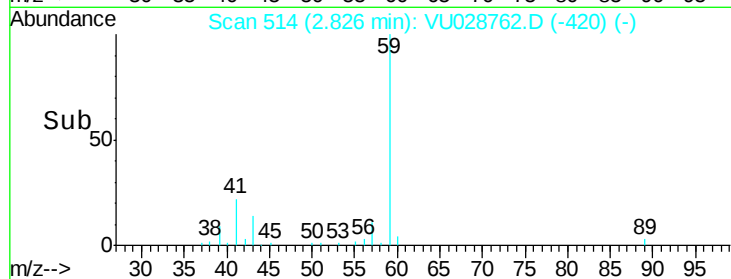
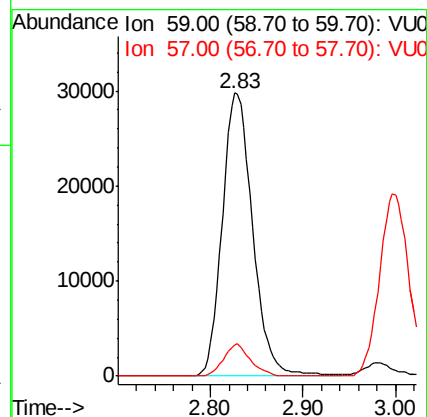
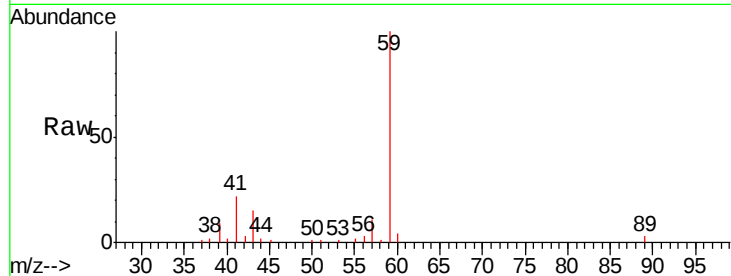
#11
Tert butyl alcohol
Concen: 263.975 ug/l
RT: 2.83 min Scan# 514
Delta R.T. 0.00 min
Lab File: VU028762.D
Acq: 18 Dec 2018 08:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 67803
Ion Ratio Lower Upper
59 100
57 10.0 8.0 12.0

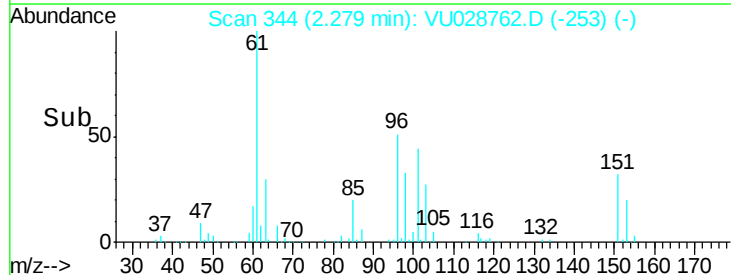
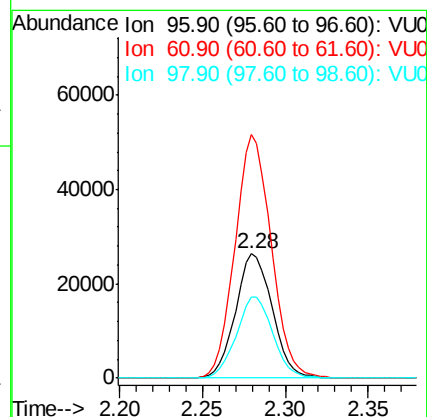
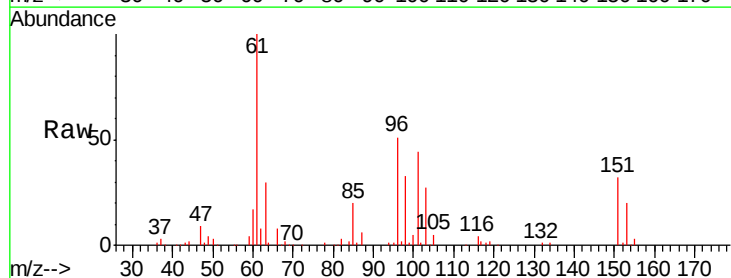
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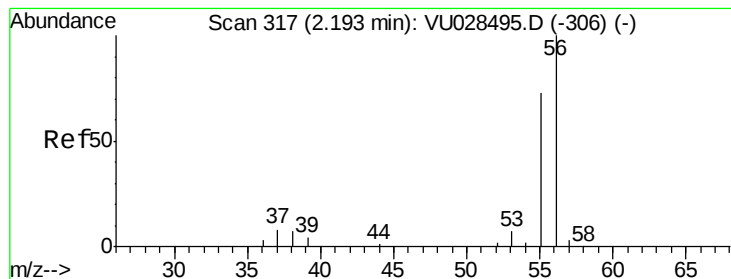
MMDadoda
12/18/2018 12:55:37 PM



#12
1,1-Dichloroethene
Concen: 48.250 ug/l
RT: 2.28 min Scan# 344
Delta R.T. -0.01 min
Lab File: VU028762.D
Acq: 18 Dec 2018 08:48

Tgt Ion: 96 Resp: 40583
Ion Ratio Lower Upper
96 100
61 195.6 146.4 219.6
98 64.9 51.8 77.8





#13

Acrolein

Concen: 339.092 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU028762.D

Acq: 18 Dec 2018 08:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 56 Resp: 69433

Ion Ratio Lower Upper

56 100

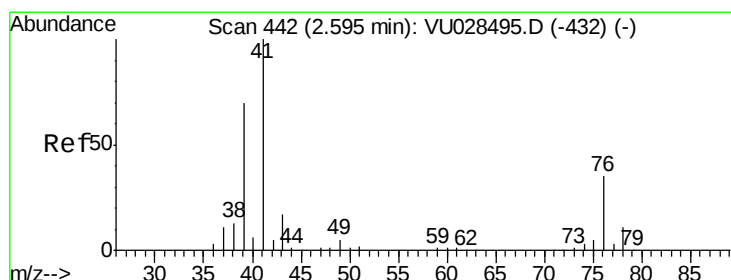
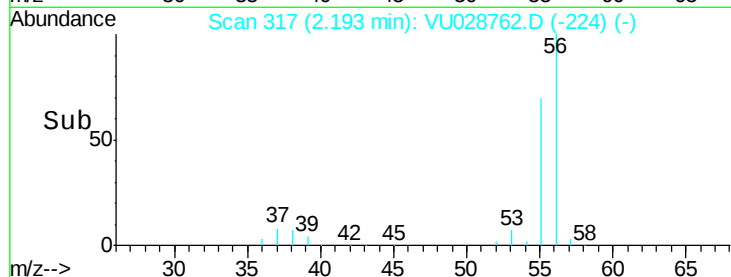
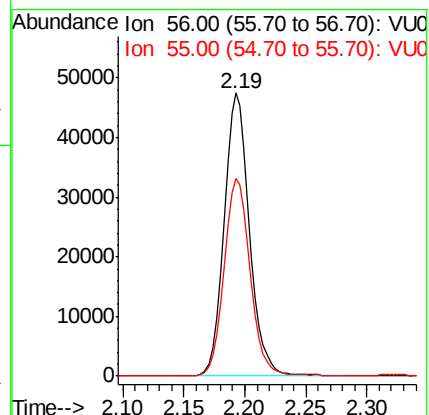
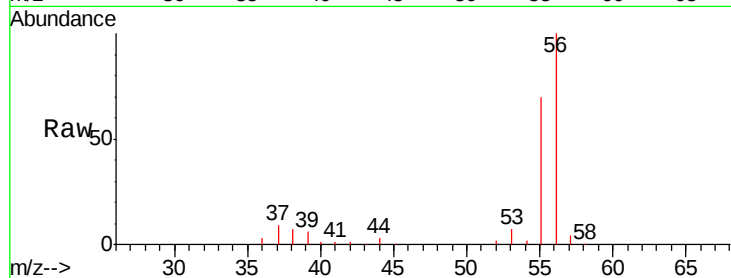
55 72.0 57.5 86.3

Manual Integrations

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#14

Allyl chloride

Concen: 48.682 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU028762.D

Acq: 18 Dec 2018 08:48

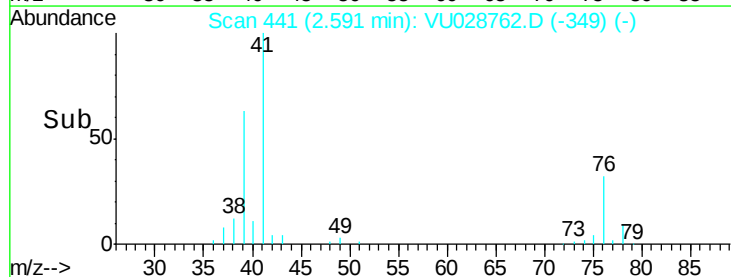
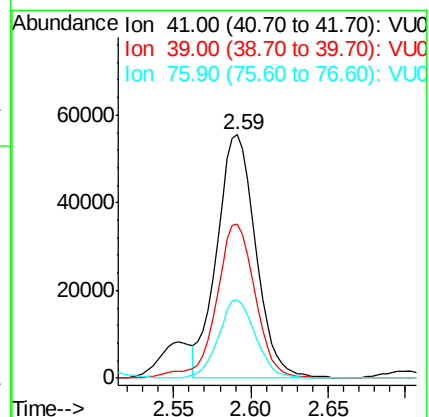
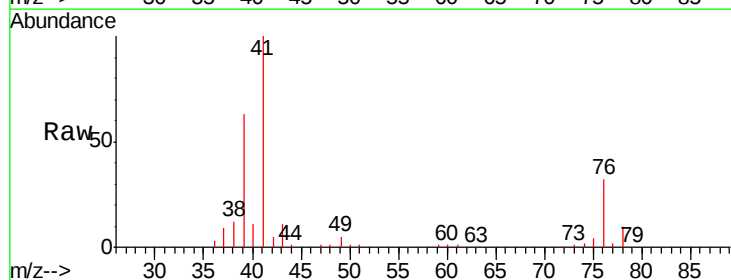
Tgt Ion: 41 Resp: 96867

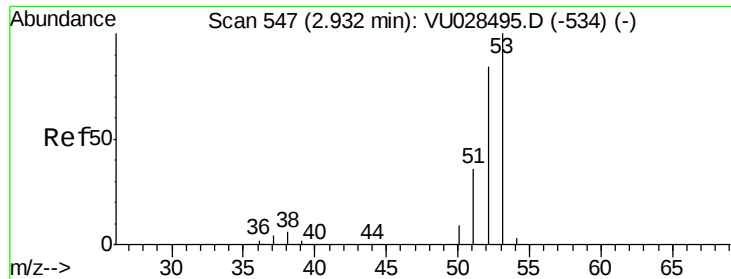
Ion Ratio Lower Upper

41 100

39 63.6 50.8 76.2

76 30.7 24.8 37.2





#15

Acrylonitrile

Concen: 282.382 ug/l

RT: 2.93 min Scan# 547

Delta R.T. -0.00 min

Lab File: VU028762.D

Acq: 18 Dec 2018 08:48

Instrument :

MSVOA_U

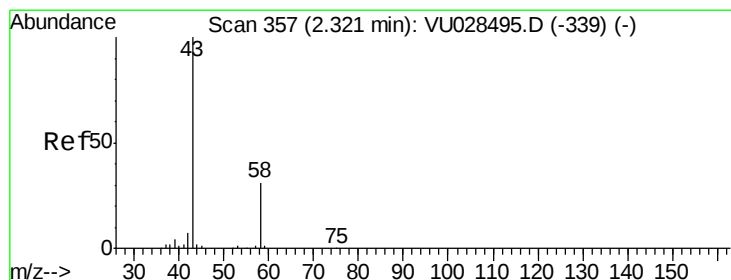
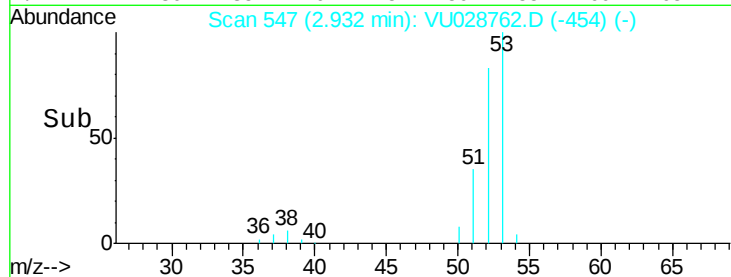
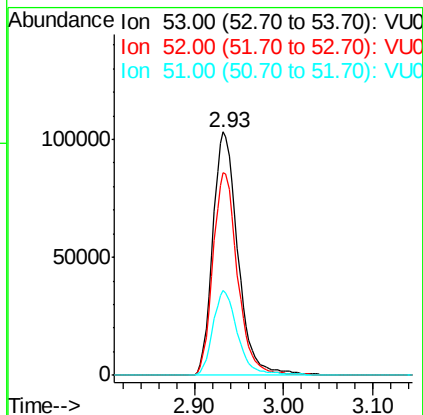
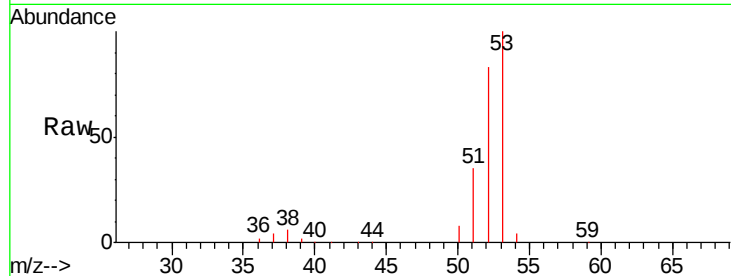
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	53	Resp:	201369
Ion	Ratio	Lower	Upper
53	100		
52	81.7	66.1	99.1
51	34.6	28.1	42.1

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#16

Acetone

Concen: 209.081 ug/l

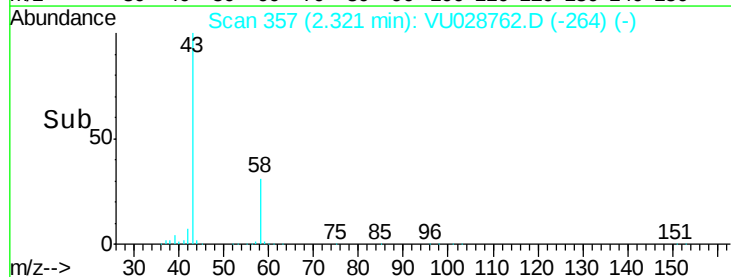
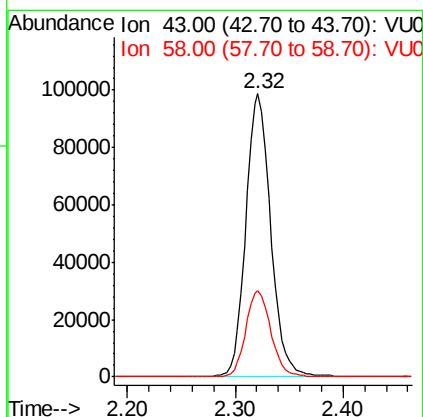
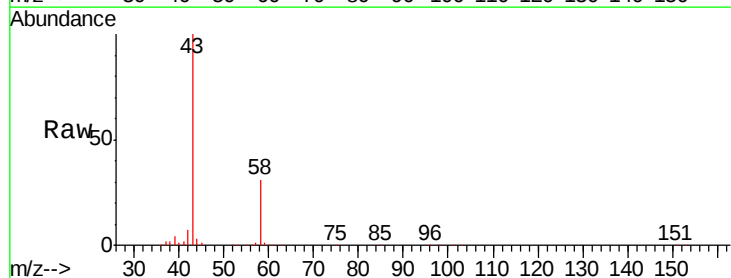
RT: 2.32 min Scan# 357

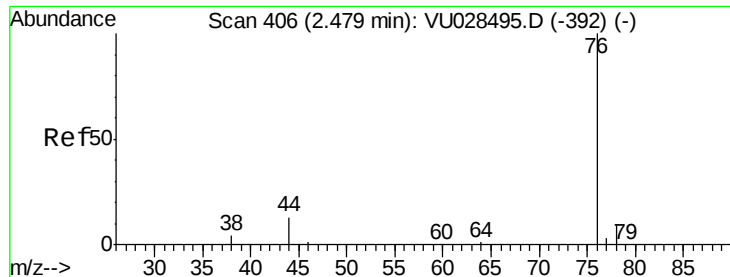
Delta R.T. -0.00 min

Lab File: VU028762.D

Acq: 18 Dec 2018 08:48

Tgt Ion:	43	Resp:	157291
Ion	Ratio	Lower	Upper
43	100		
58	30.7	24.6	37.0





#17

Carbon Disulfide

Concen: 47.693 ug/l

RT: 2.48 min Scan# 405

Delta R.T. -0.00 min

Lab File: VU028762.D

Acq: 18 Dec 2018 08:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 76 Resp: 144515

Ion Ratio Lower Upper

76 100

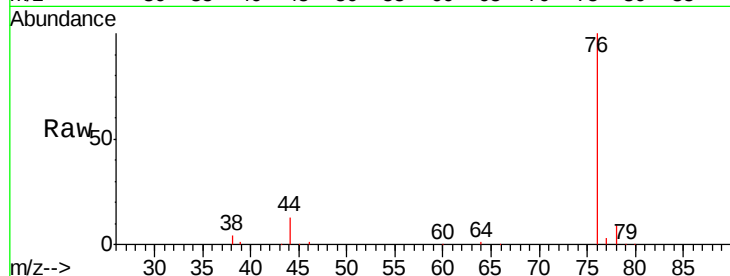
78 8.6 7.2 10.8

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

2.48

80000

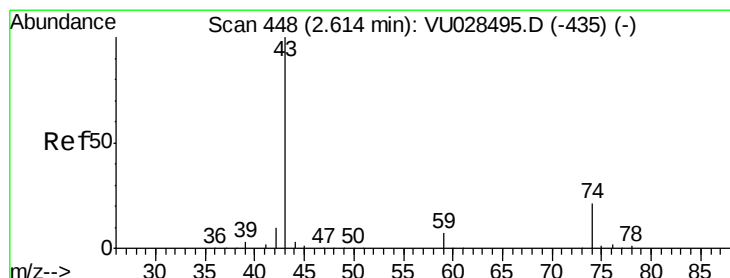
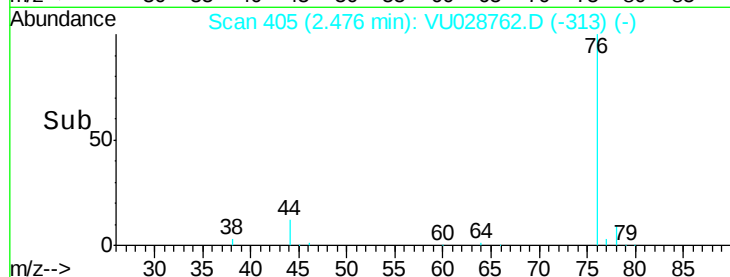
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 61.648 ug/l

RT: 2.61 min Scan# 448

Delta R.T. -0.00 min

Lab File: VU028762.D

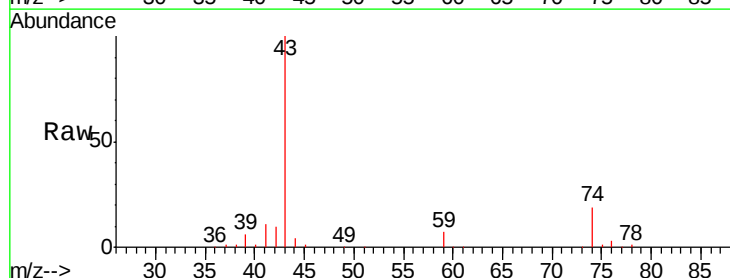
Acq: 18 Dec 2018 08:48

Tgt Ion: 43 Resp: 120222

Ion Ratio Lower Upper

43 100

74 19.7 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

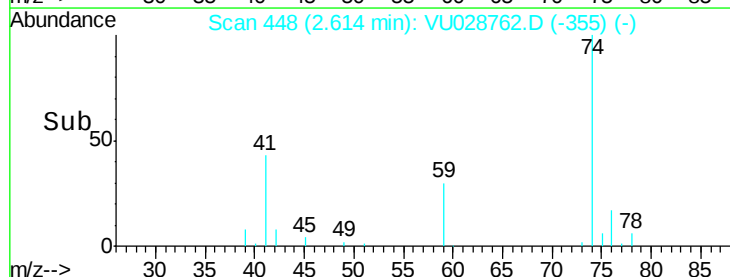
60000

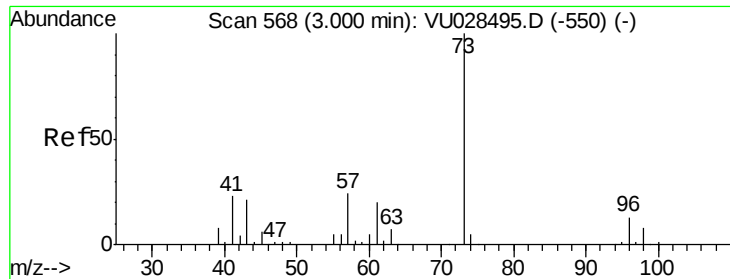
40000

20000

0

Time-->





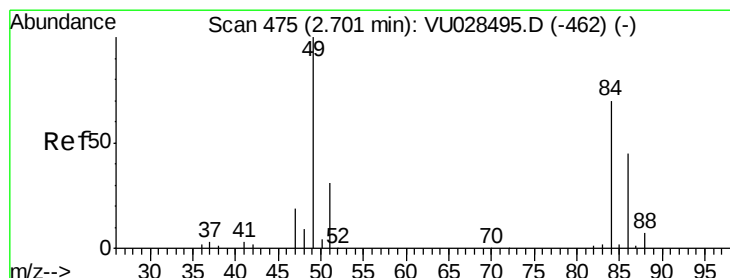
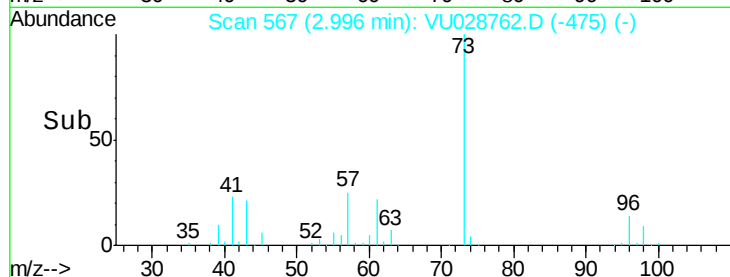
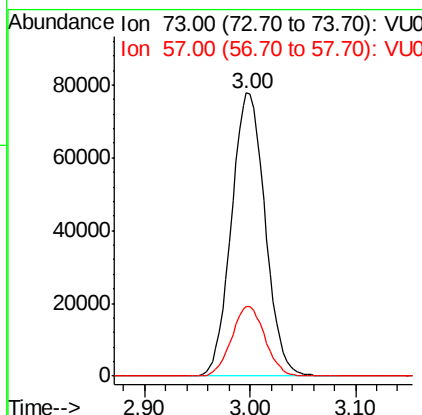
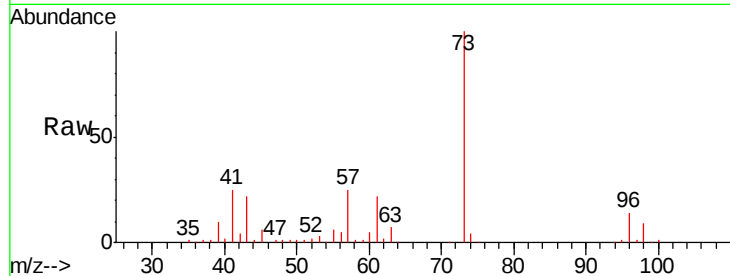
#19
Methyl tert-butyl Ether
Concen: 53.962 ug/l
RT: 3.00 min Scan# 567
Delta R.T. -0.00 min
Lab File: VU028762.D
Acq: 18 Dec 2018 08:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 172060
Ion Ratio Lower Upper
73 100
57 24.7 19.4 29.2

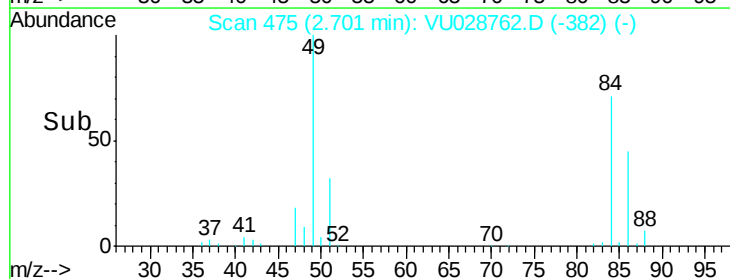
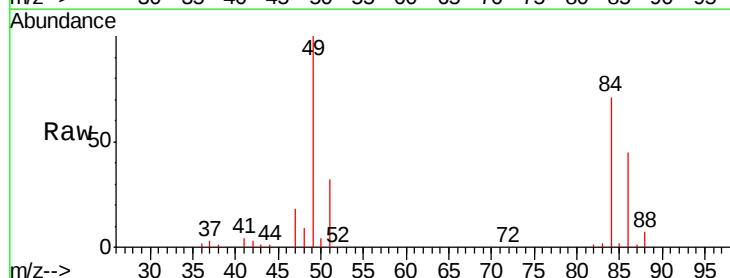
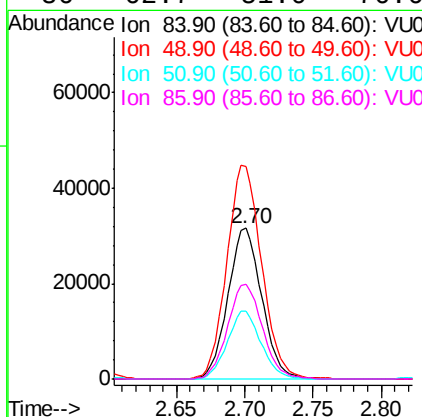
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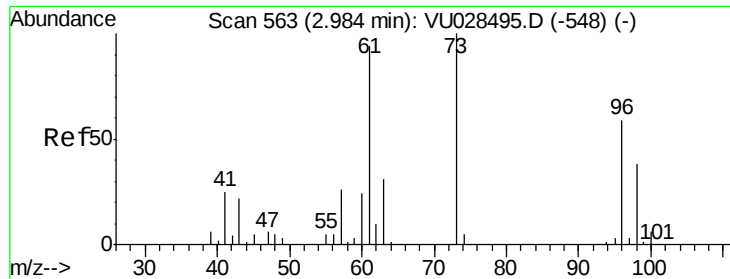
MMDadoda
12/18/2018 12:55:37 PM



#20
Methylene Chloride
Concen: 49.292 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU028762.D
Acq: 18 Dec 2018 08:48

Tgt Ion: 84 Resp: 54665
Ion Ratio Lower Upper
84 100
49 140.8 114.0 171.0
51 44.8 35.1 52.7
86 62.7 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 49.870 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU028762.D

Acq: 18 Dec 2018 08:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 96 Resp: 47228

Ion Ratio Lower Upper

96 100

61 159.9 127.0 190.4

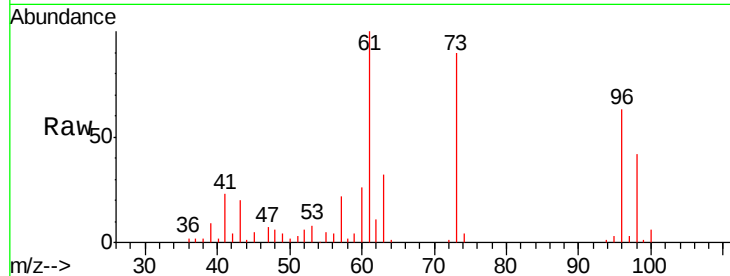
98 67.0 51.9 77.9

Manual Integrations

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MMDadoda

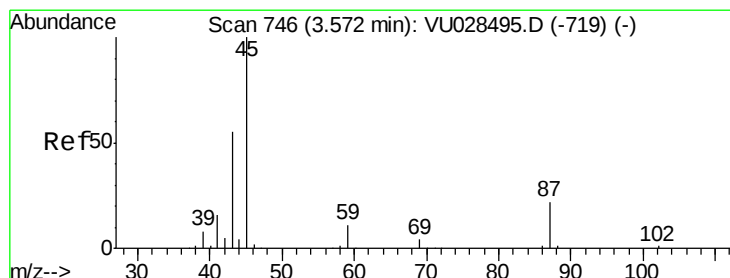
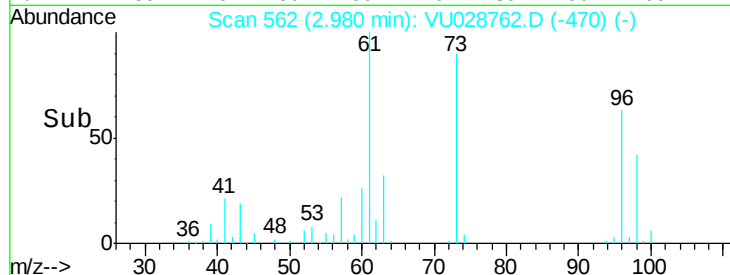
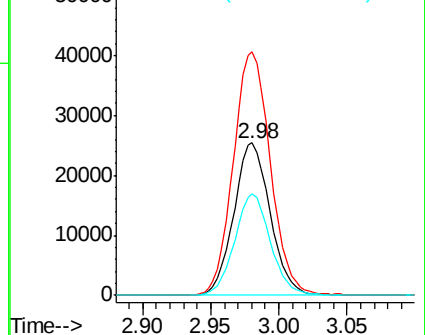
12/18/2018 12:55:37 PM



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: 55.409 ug/l

RT: 3.57 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU028762.D

Acq: 18 Dec 2018 08:48

Tgt Ion: 45 Resp: 214400

Ion Ratio Lower Upper

45 100

43 56.7 45.3 67.9

87 21.7 17.6 26.4

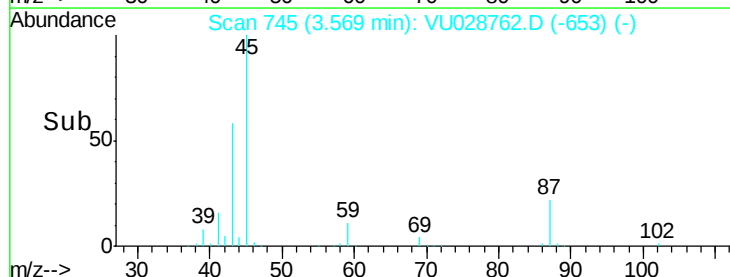
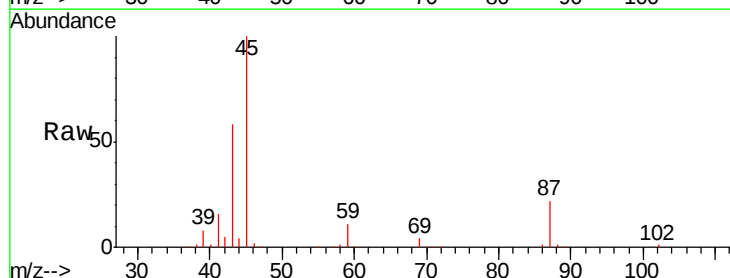
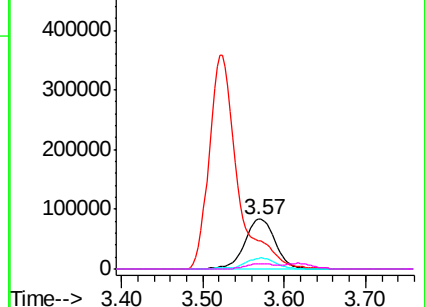
59 10.9 8.8 13.2

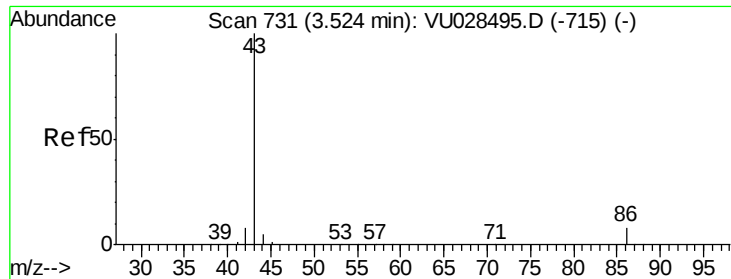
Abundance Ion 45.00 (44.70 to 45.70): VU028495.D (-719) (-)

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: 272.304 ug/l

RT: 3.52 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU028762.D

Acq: 18 Dec 2018 08:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 869108

Ion Ratio Lower Upper

43 100

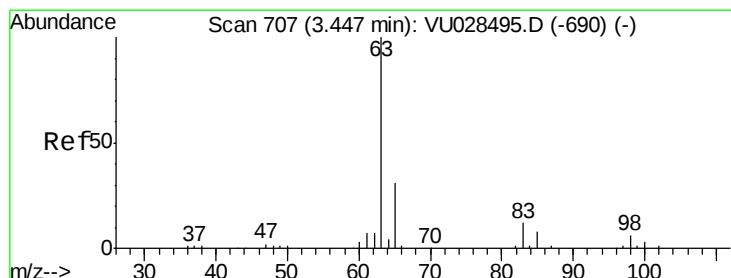
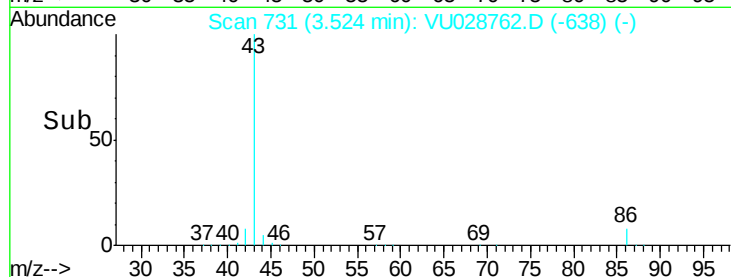
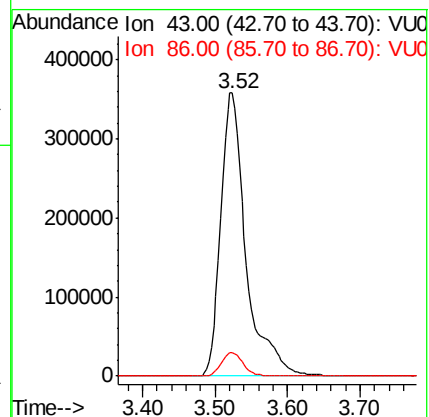
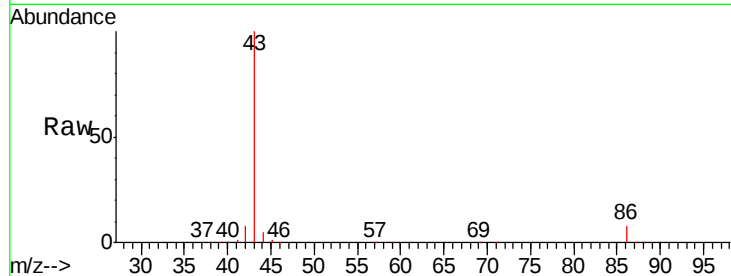
86 8.3 6.8 10.2

Manual Integrations

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MMDadoda

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#24

1,1-Dichloroethane

Concen: 52.607 ug/l

RT: 3.44 min Scan# 706

Delta R.T. -0.00 min

Lab File: VU028762.D

Acq: 18 Dec 2018 08:48

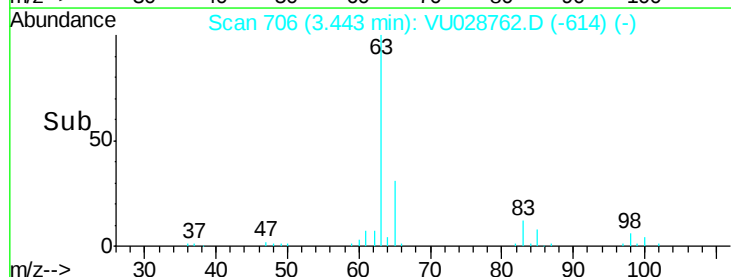
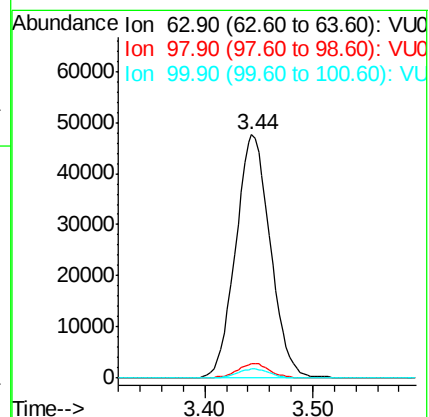
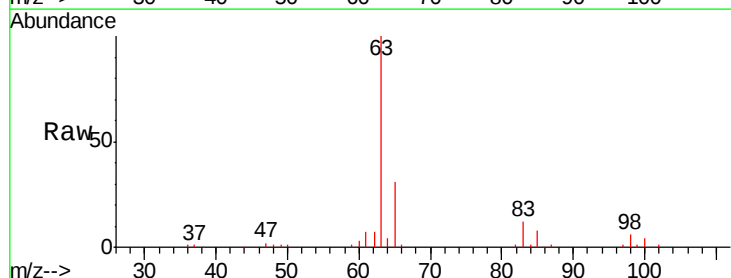
Tgt Ion: 63 Resp: 106555

Ion Ratio Lower Upper

63 100

98 5.8 3.0 9.2

100 3.8 1.7 5.1





#25

2-Butanone

Concen: 263.994 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU028762.D

Acq: 18 Dec 2018 08:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 271410

Ion Ratio Lower Upper

43 100

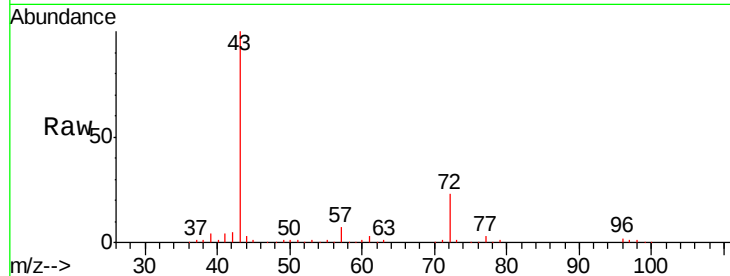
72 22.8 18.6 28.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

120000

100000

80000

60000

40000

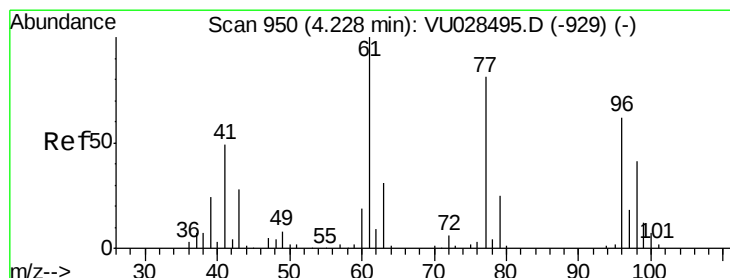
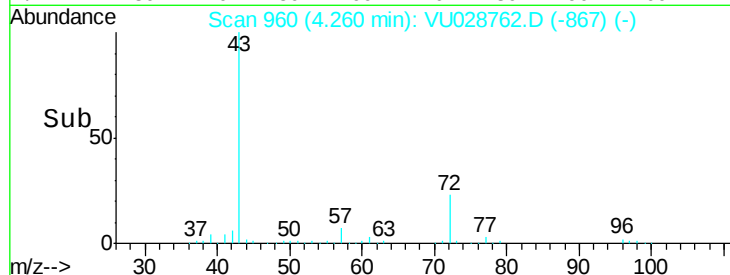
20000

0

4.26

4.20 4.30

Time-->



#26

2,2-Dichloropropane

Concen: 39.071 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU028762.D

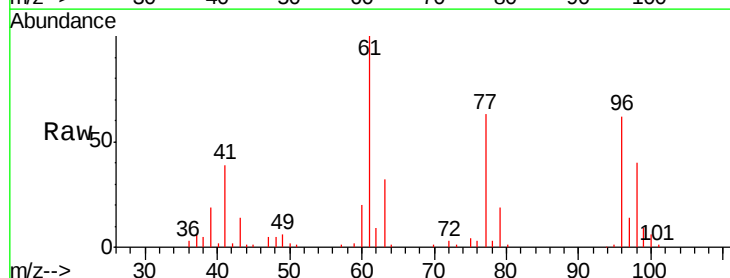
Acq: 18 Dec 2018 08:48

Tgt Ion: 77 Resp: 62705

Ion Ratio Lower Upper

77 100

97 22.4 11.0 33.0



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

25000

20000

15000

10000

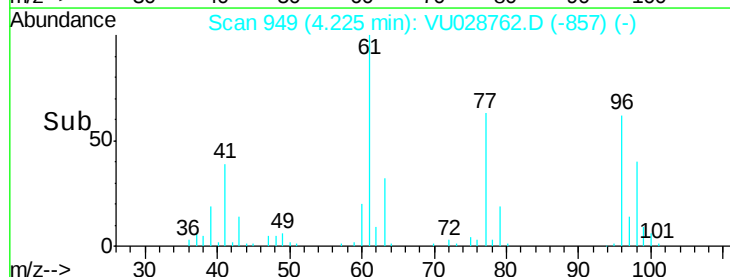
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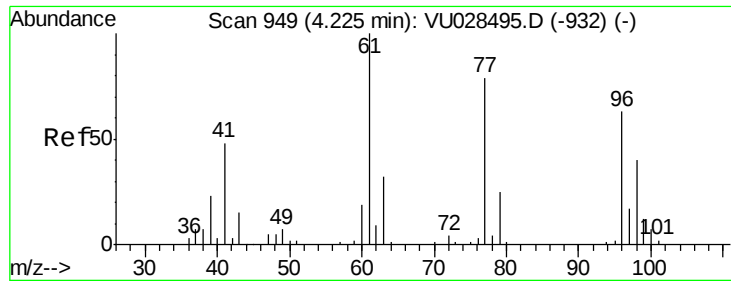
0

4.22

4.10 4.30

Time-->





#27

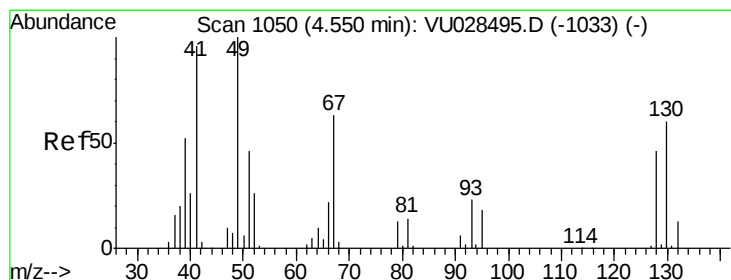
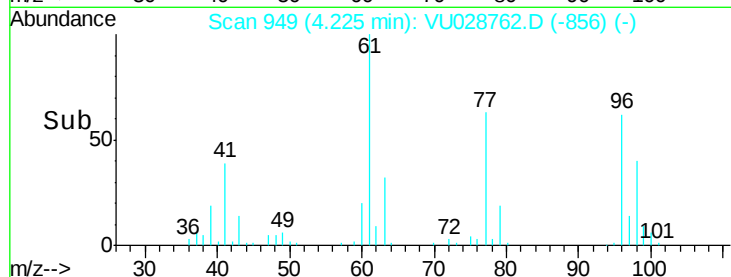
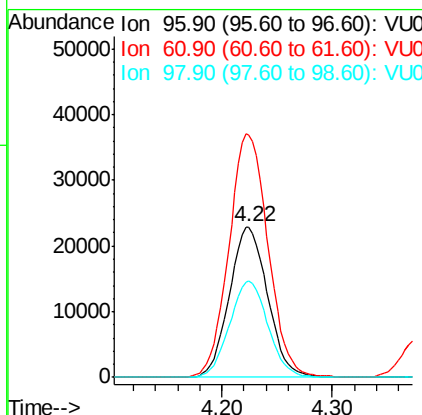
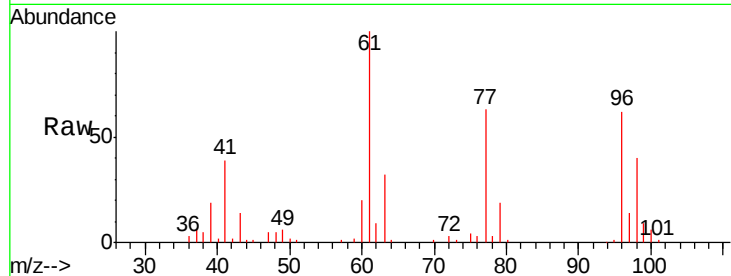
cis-1,2-Dichloroethene
Concen: 51.337 ug/l
RT: 4.22 min Scan# 949
Delta R.T. -0.00 min
Lab File: VU028762.D
Acq: 18 Dec 2018 08:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.2	0.0	332.4
98	64.2	0.0	129.0

Manual Integrations
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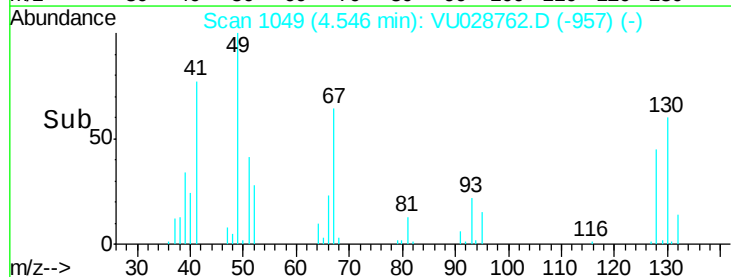
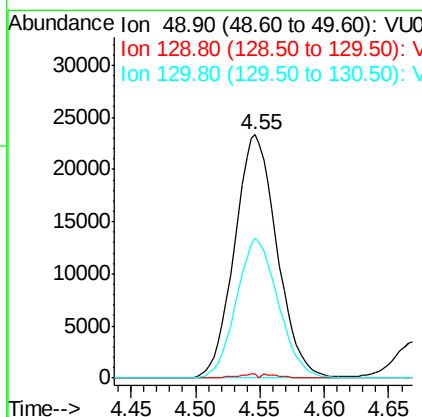
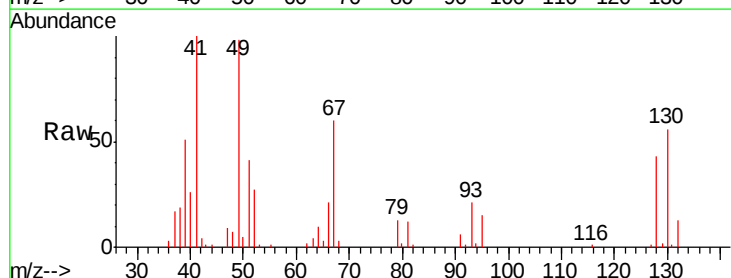
MMDadoda
12/18/2018 12:55:37 PM

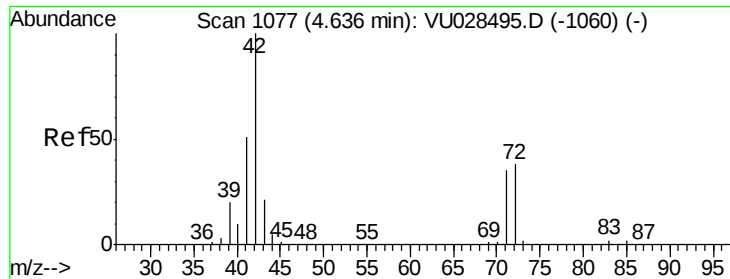


#28

Bromochloromethane
Concen: 58.072 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VU028762.D
Acq: 18 Dec 2018 08:48

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	3.0
130	56.5	47.8	71.8





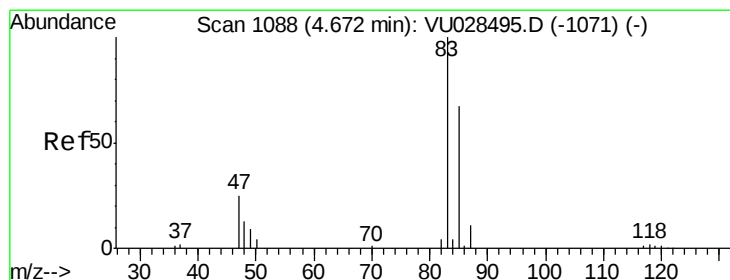
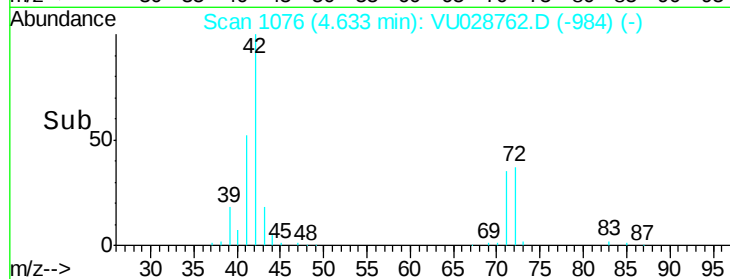
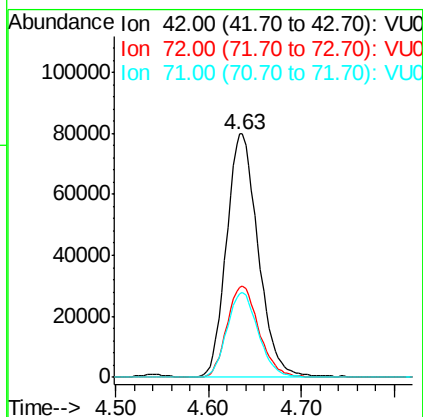
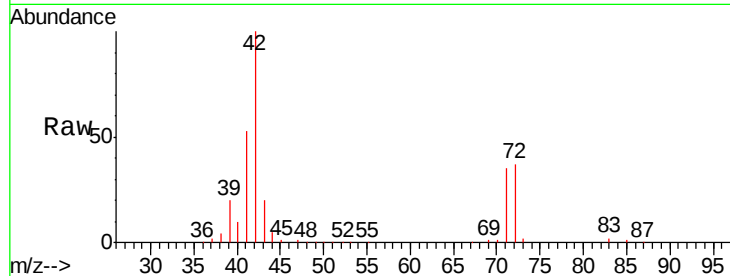
#29
Tetrahydrofuran
Concen: 285.818 ug/l
RT: 4.63 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VU028762.D
Acq: 18 Dec 2018 08:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 188720
Ion Ratio Lower Upper
42 100
72 38.1 31.4 47.0
71 34.7 28.6 43.0

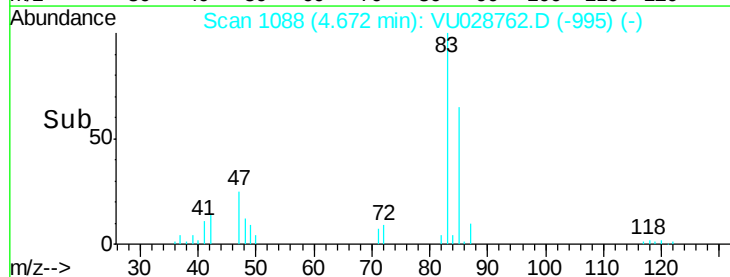
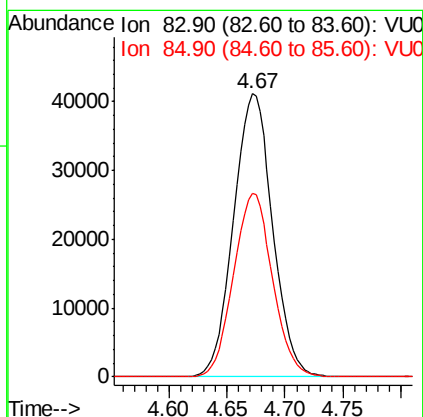
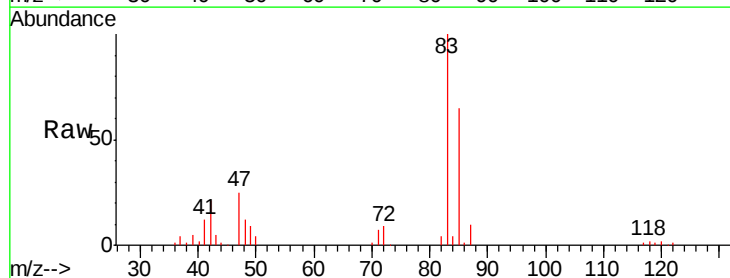
Manual Integrations
APPROVED

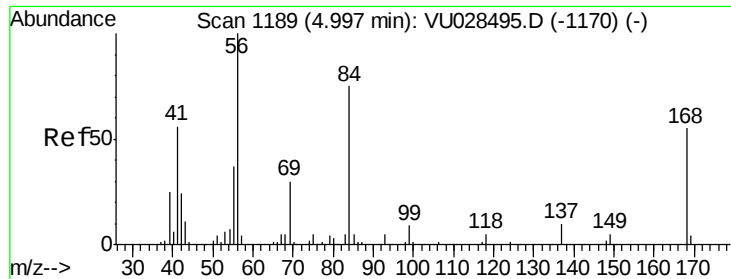
MMDadoda
12/18/2018 12:55:37 PM



#30
Chloroform
Concen: 54.423 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VU028762.D
Acq: 18 Dec 2018 08:48

Tgt Ion: 83 Resp: 96075
Ion Ratio Lower Upper
83 100
85 65.0 53.6 80.4





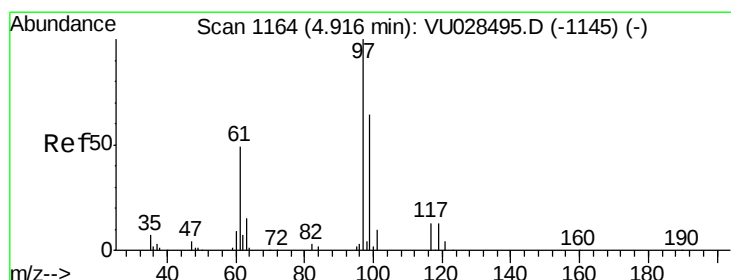
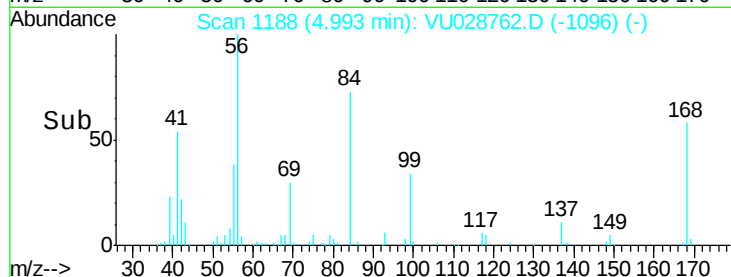
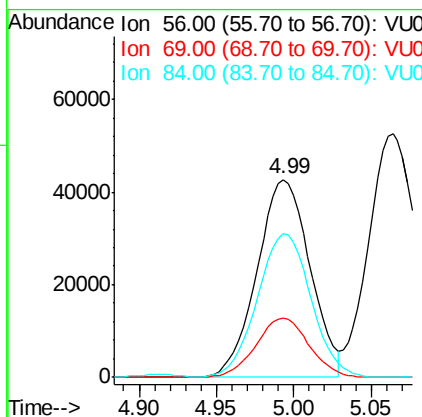
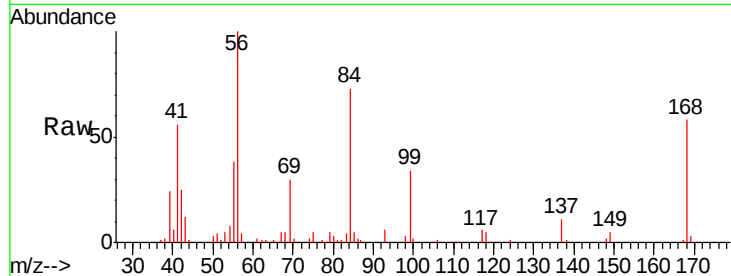
#31
Cyclohexane
Concen: 51.524 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU028762.D
Acq: 18 Dec 2018 08:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.2	24.0	36.0
84	72.5	59.7	89.5

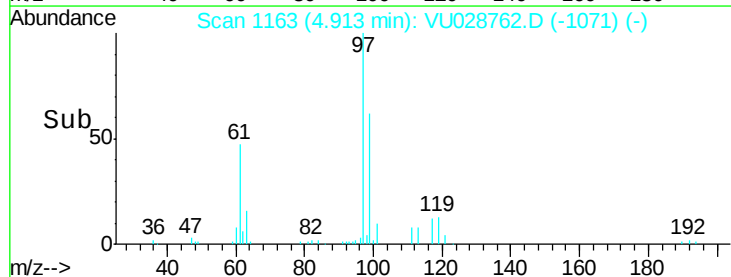
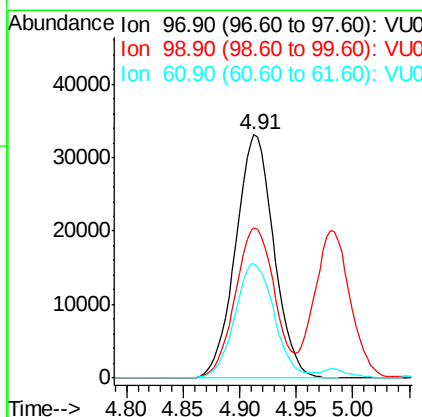
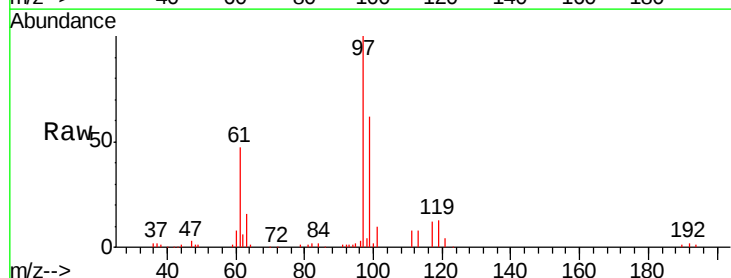
Manual Integrations
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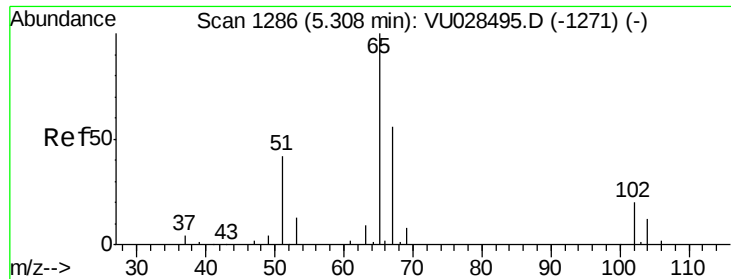
MMDadoda
12/18/2018 12:55:37 PM



#32
1,1,1-Trichloroethane
Concen: 53.256 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. -0.00 min
Lab File: VU028762.D
Acq: 18 Dec 2018 08:48

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	52.3	78.5
61	48.6	39.0	58.6





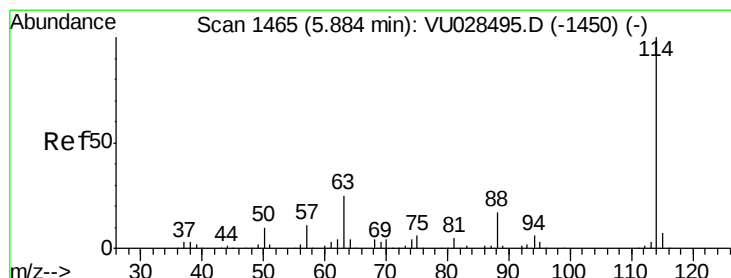
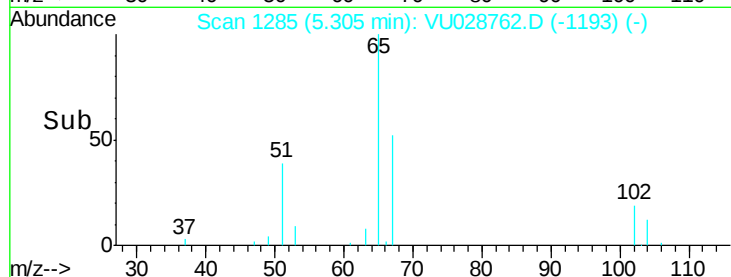
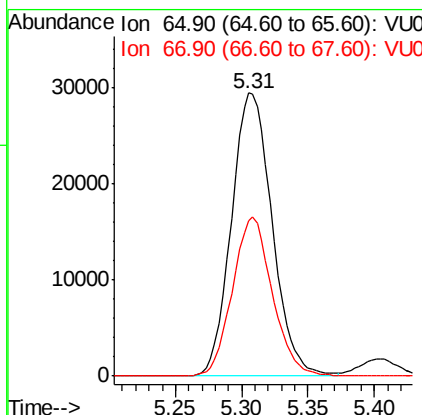
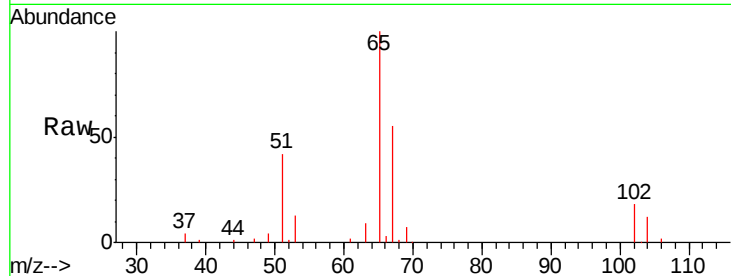
#33
 1,2-Dichloroethane-d4
 Concen: 54.581 ug/l
 RT: 5.31 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VU028762.D
 Acq: 18 Dec 2018 08:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 65 Resp: 62925
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 110.6

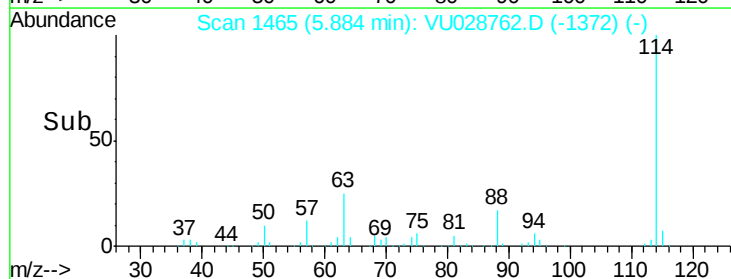
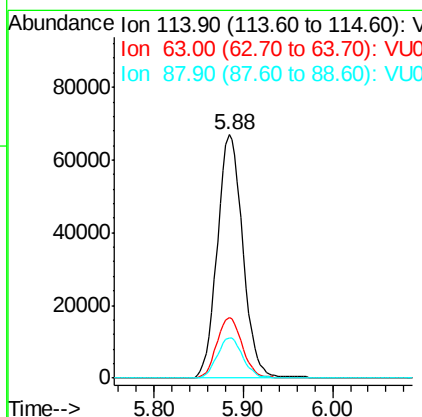
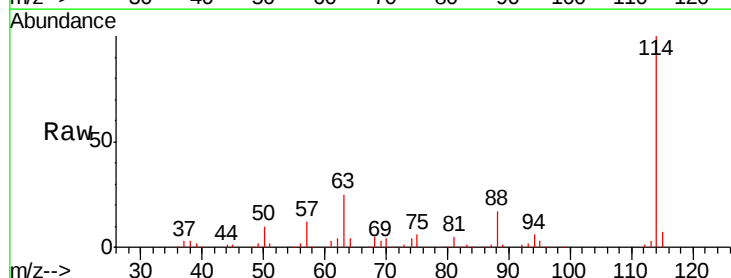
Manual Integrations
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028762.D
 Acq: 18 Dec 2018 08:48

Tgt Ion: 114 Resp: 132954
 Ion Ratio Lower Upper
 114 100
 63 24.7 0.0 49.2
 88 16.6 0.0 33.4





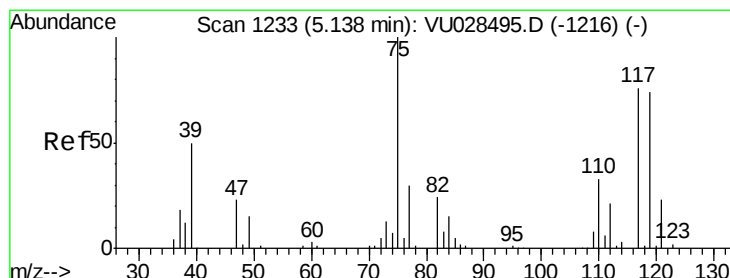
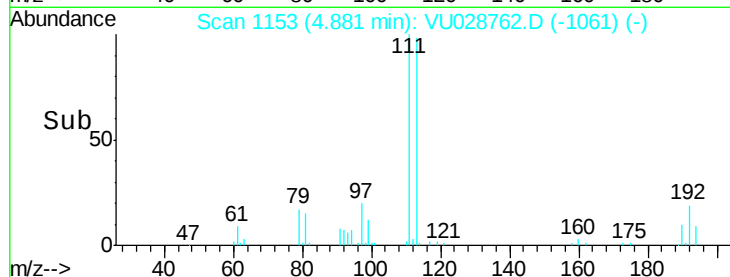
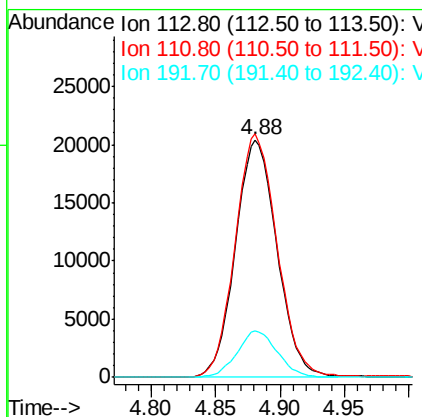
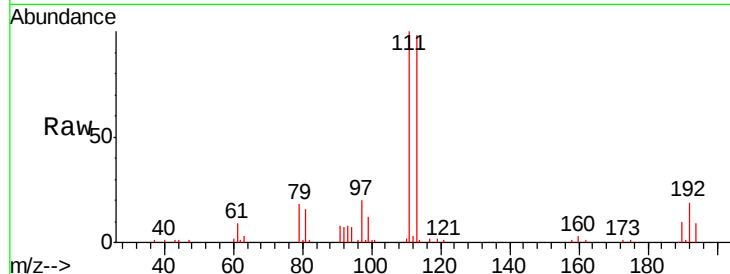
#35
 Dibromofluoromethane
 Concen: 54.649 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028762.D
 Acq: 18 Dec 2018 08:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.8	83.4	125.0
192	18.9	14.8	22.2

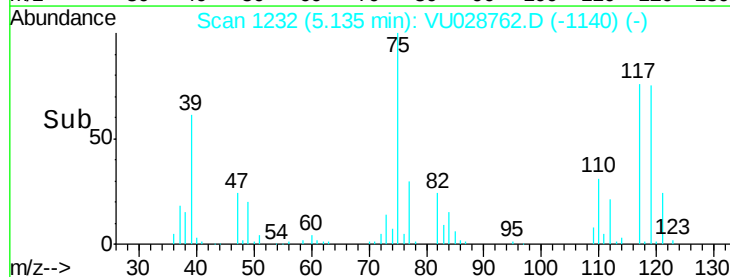
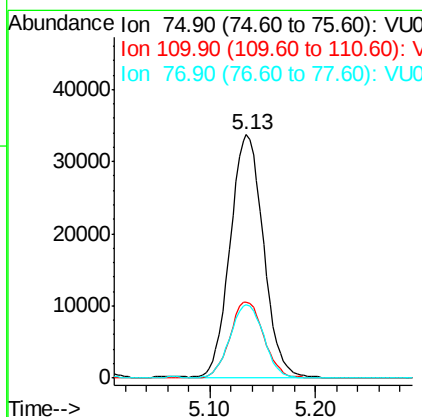
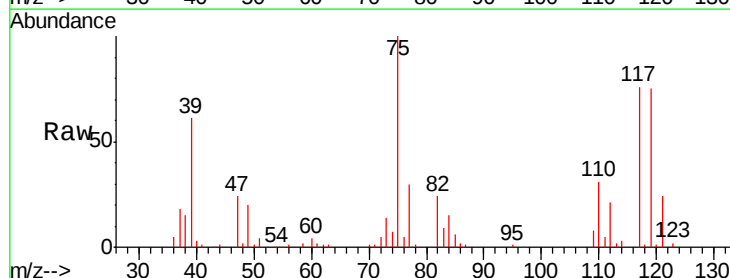
Manual Integrations
 APPROVED

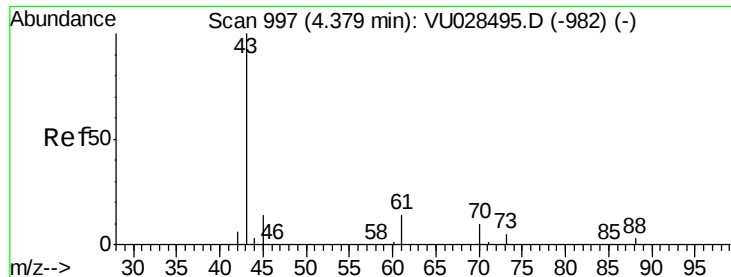
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#36
 1,1-Dichloropropene
 Concen: 50.928 ug/l
 RT: 5.13 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU028762.D
 Acq: 18 Dec 2018 08:48

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.8	16.1	48.2
77	30.4	24.5	36.7





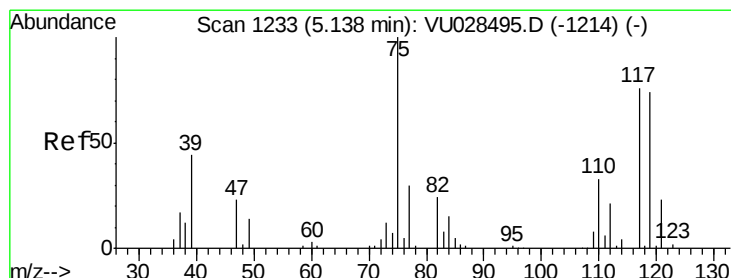
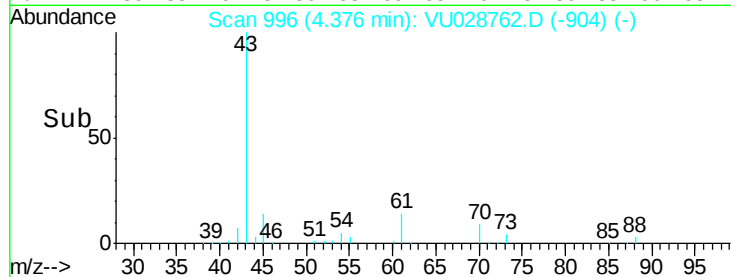
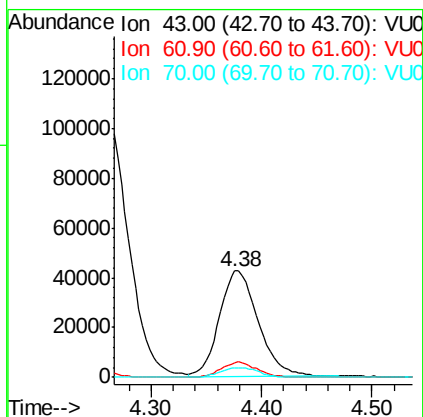
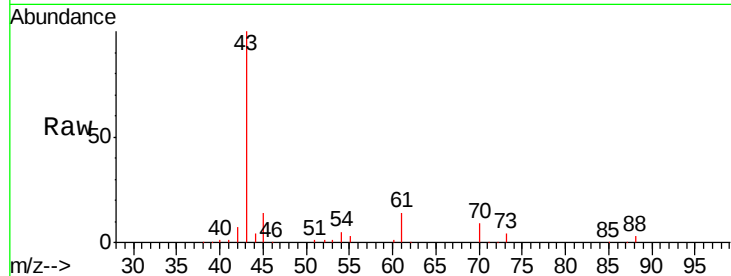
#37
Ethyl Acetate
Concen: 55.050 ug/l
RT: 4.38 min Scan# 996
Delta R.T. -0.00 min
Lab File: VU028762.D
Acq: 18 Dec 2018 08:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.6	11.0	16.4
70	9.1	7.4	11.0

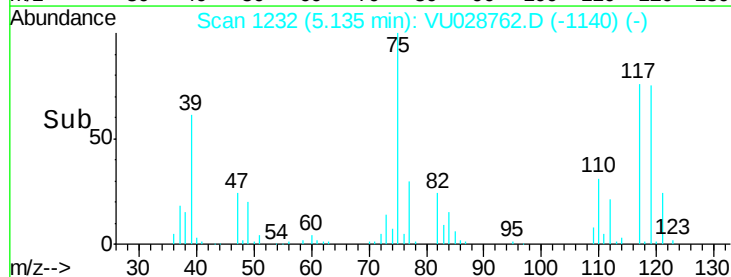
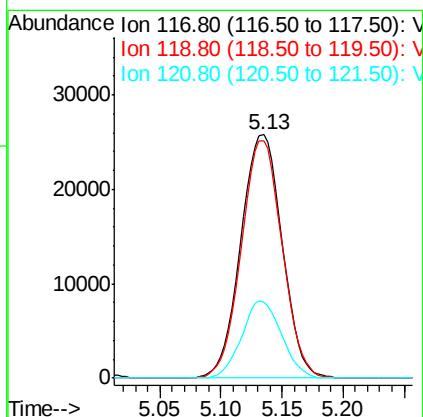
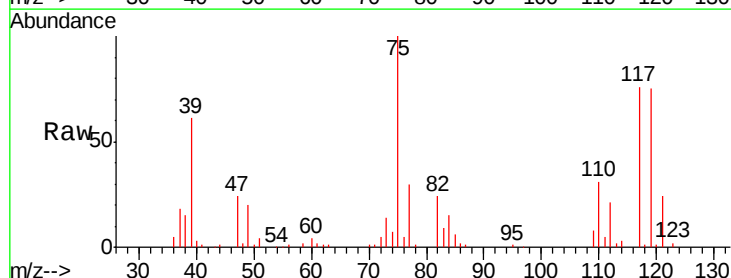
Manual Integrations
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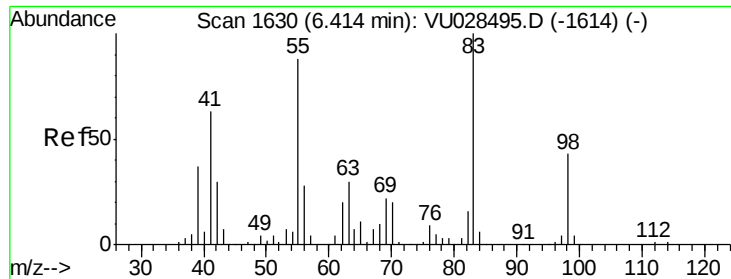
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#38
Carbon Tetrachloride
Concen: 51.526 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU028762.D
Acq: 18 Dec 2018 08:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.7	77.6	116.4
121	31.3	24.6	36.8





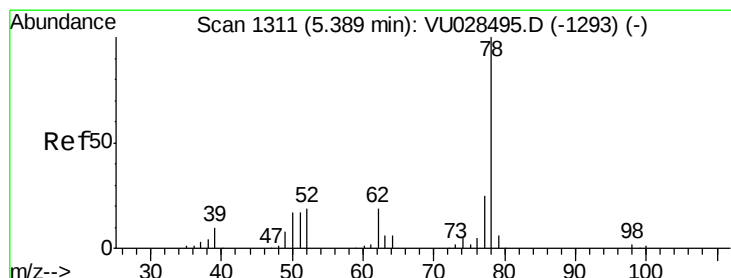
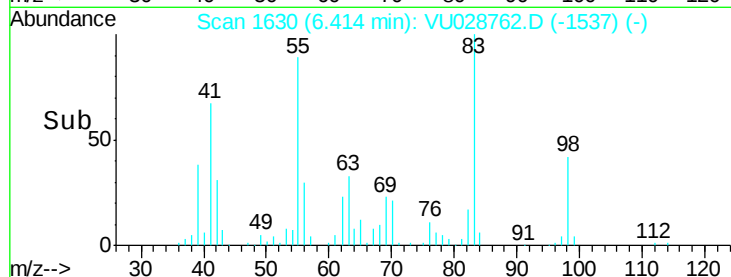
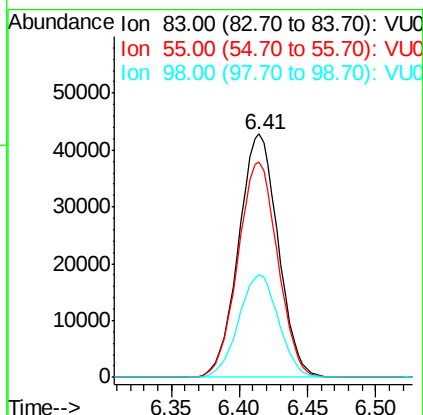
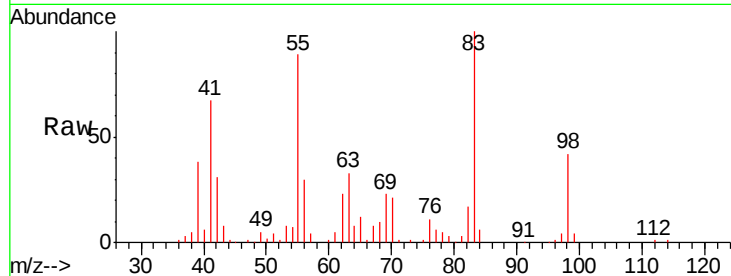
#39
Methylcyclohexane
Concen: 48.447 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028762.D
Acq: 18 Dec 2018 08:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 85992
Ion Ratio Lower Upper
83 100
55 88.6 70.2 105.2
98 42.0 34.2 51.4

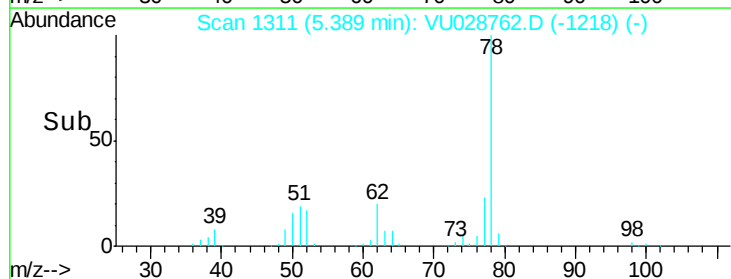
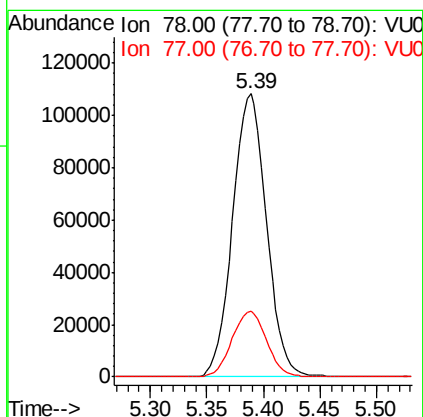
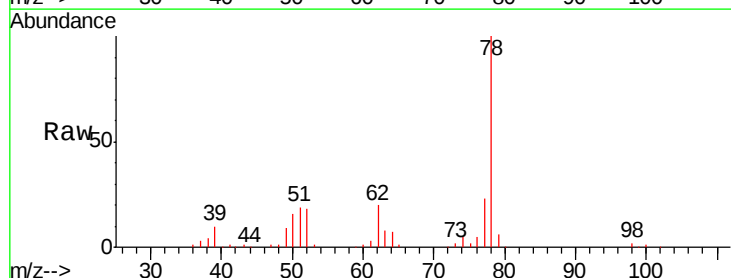
Manual Integrations
APPROVED

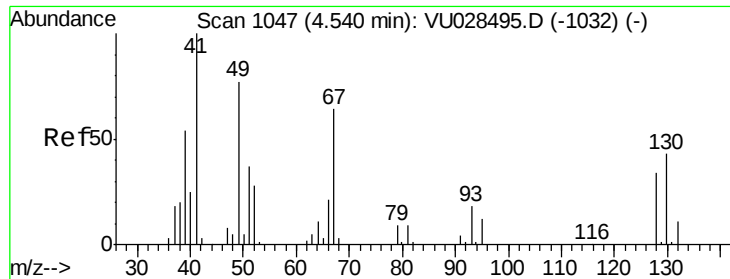
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#40
Benzene
Concen: 52.768 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU028762.D
Acq: 18 Dec 2018 08:48

Tgt Ion: 78 Resp: 226109
Ion Ratio Lower Upper
78 100
77 23.3 19.9 29.9





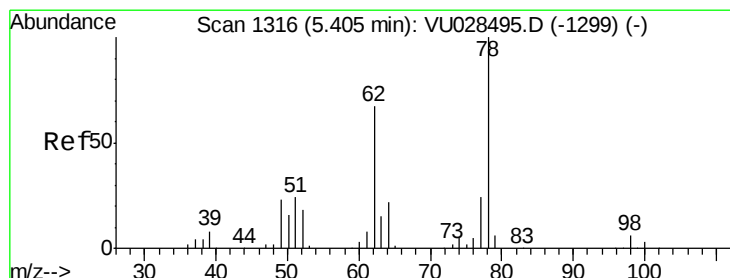
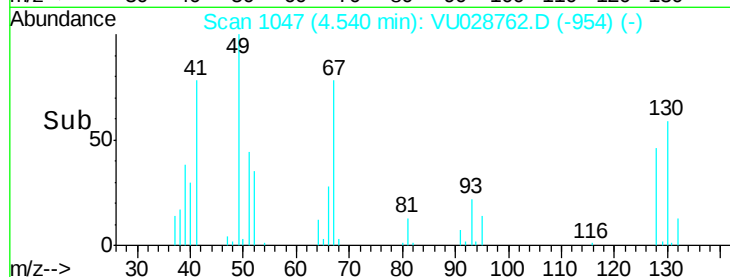
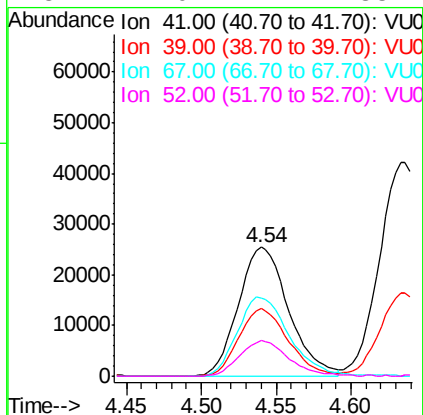
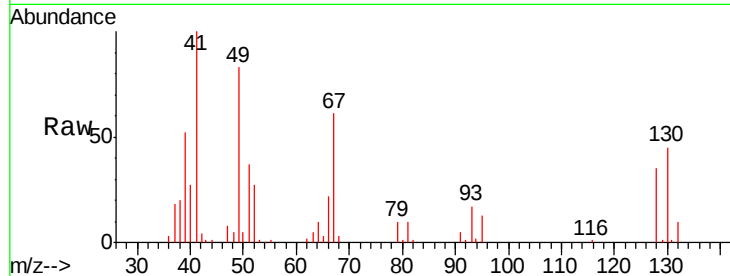
#41
Methacrylonitrile
Concen: 57.870 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. -0.00 min
Lab File: VU028762.D
Acq: 18 Dec 2018 08:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.7	43.3	64.9	
67	63.6	53.6	80.4	
52	27.0	22.1	33.1	

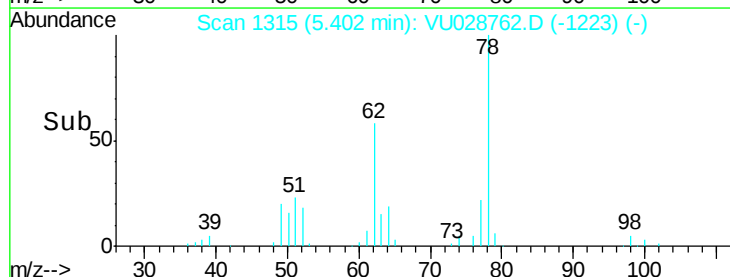
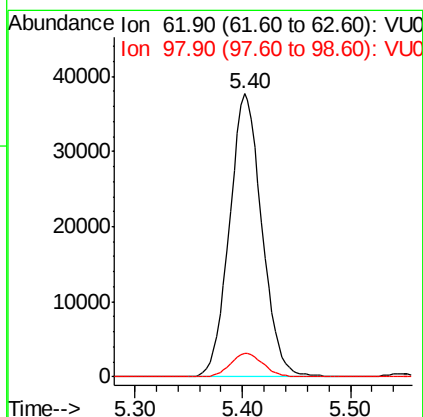
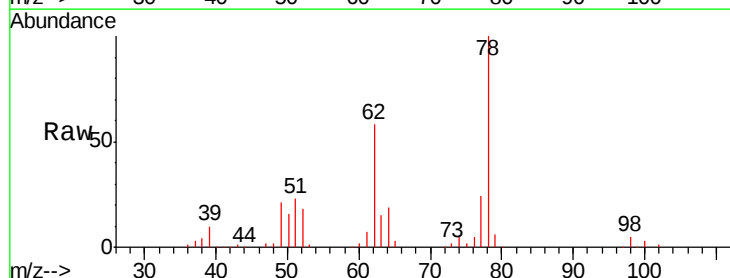
Manual Integrations
APPROVED

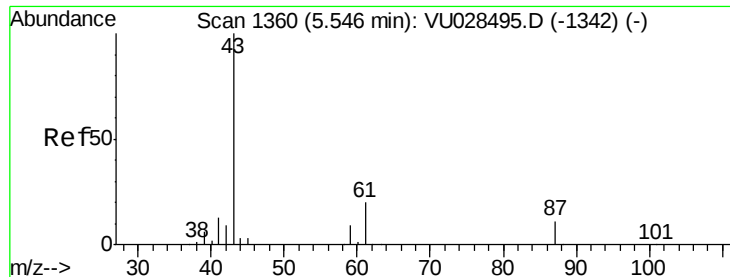
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#42
1,2-Dichloroethane
Concen: 52.650 ug/l
RT: 5.40 min Scan# 1315
Delta R.T. -0.00 min
Lab File: VU028762.D
Acq: 18 Dec 2018 08:48

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.4	0.0	17.2	





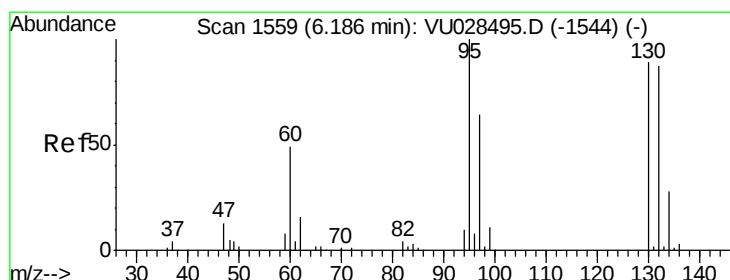
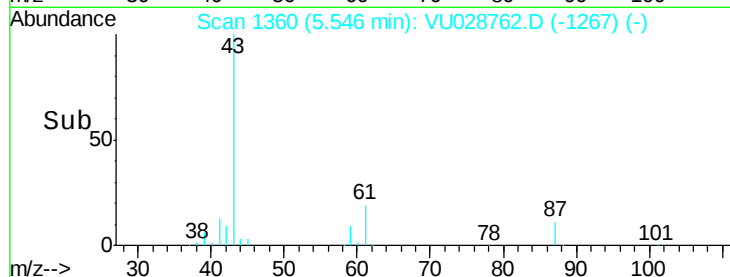
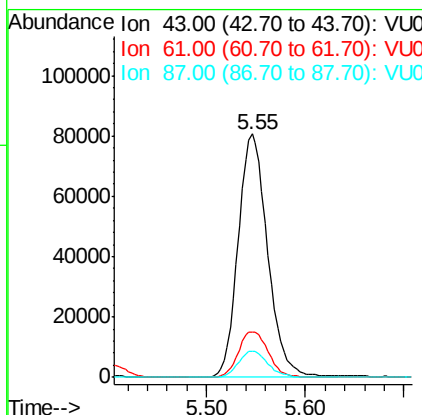
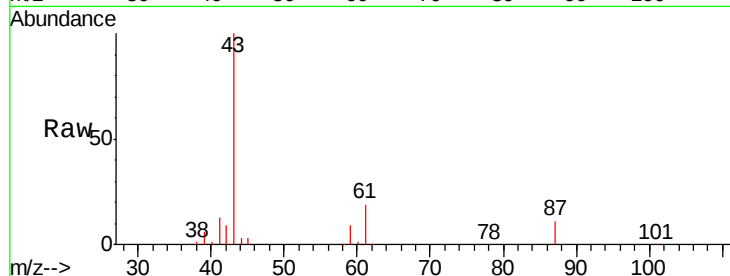
#43
Isopropyl Acetate
Concen: 56.101 ug/l
RT: 5.55 min Scan# 1360
Delta R.T. -0.00 min
Lab File: VU028762.D
Acq: 18 Dec 2018 08:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
43	100		
61	19.1	15.5	23.3
87	10.7	8.7	13.1

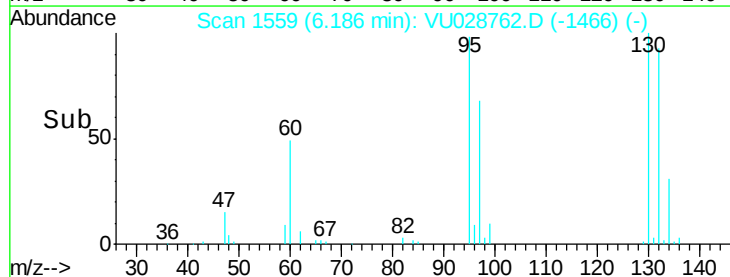
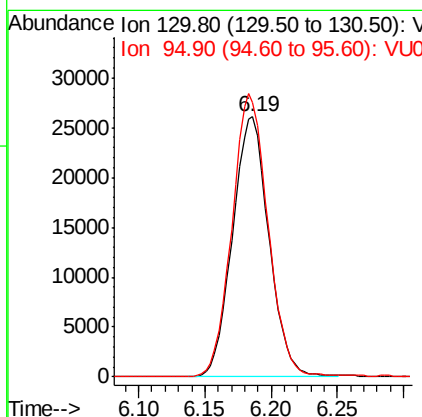
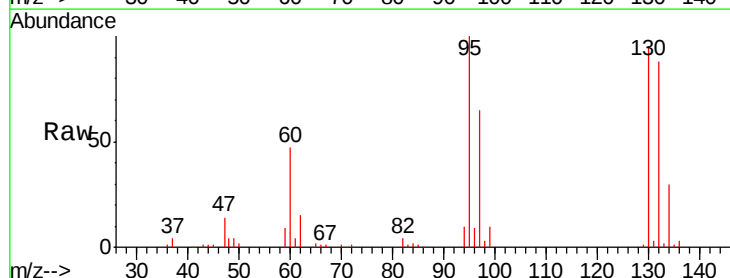
Manual Integrations
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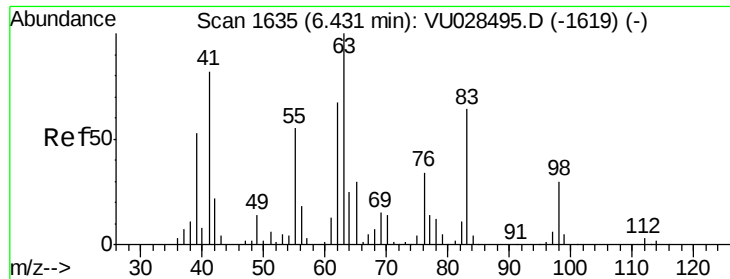
MMDadoda
12/18/2018 12:55:37 PM



#44
Trichloroethene
Concen: 52.173 ug/l
RT: 6.19 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VU028762.D
Acq: 18 Dec 2018 08:48

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.7	0.0	224.0





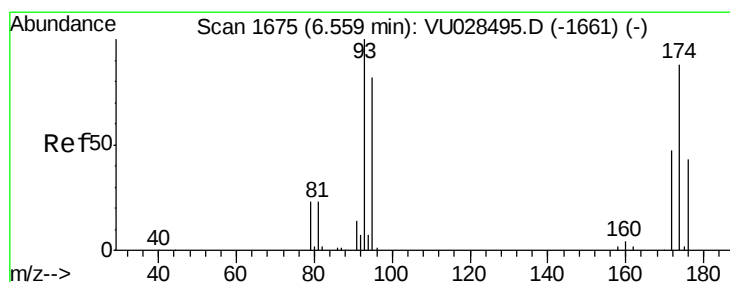
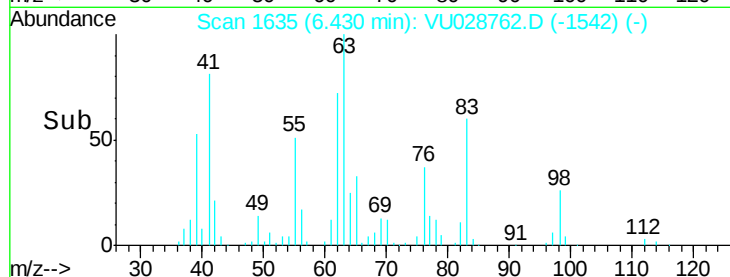
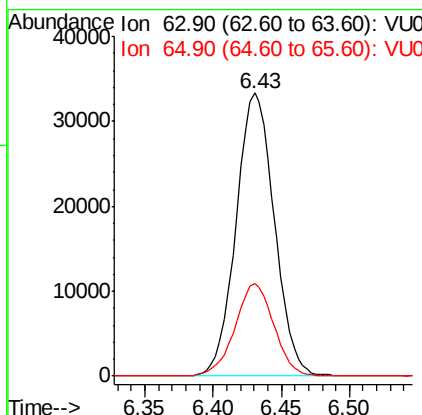
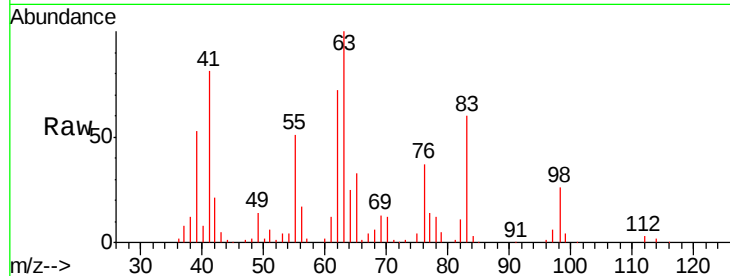
#45
 1,2-Dichloropropane
 Concen: 53.977 ug/l
 RT: 6.43 min Scan# 1635
 Delta R.T. -0.00 min
 Lab File: VU028762.D
 Acq: 18 Dec 2018 08:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 63 Resp: 65041
 Ion Ratio Lower Upper
 63 100
 65 32.6 24.2 36.4

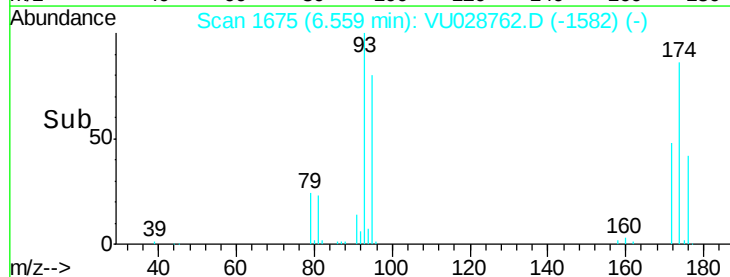
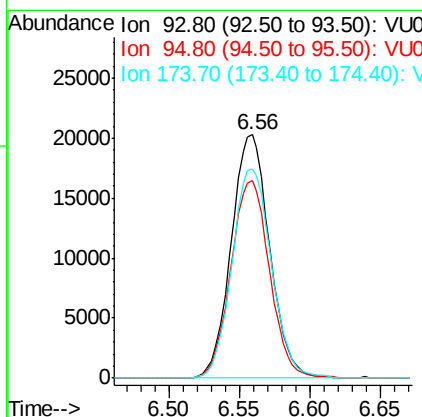
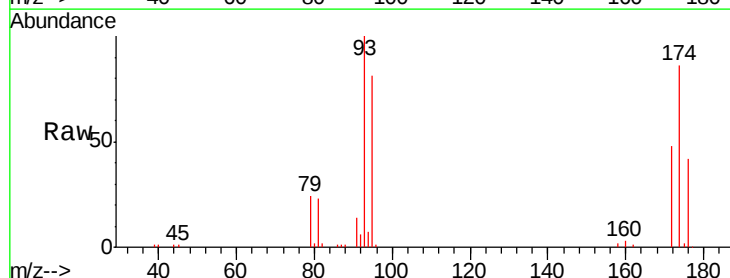
Manual Integrations
 APPROVED

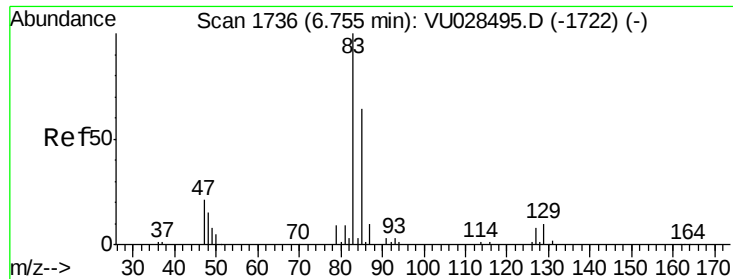
MMDadoda
 12/18/2018 12:55:37 PM



#46
 Dibromomethane
 Concen: 54.067 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. -0.00 min
 Lab File: VU028762.D
 Acq: 18 Dec 2018 08:48

Tgt Ion: 93 Resp: 38655
 Ion Ratio Lower Upper
 93 100
 95 81.6 65.4 98.2
 174 88.3 72.2 108.4





#47

Bromodichloromethane

Concen: 53.205 ug/l

RT: 6.76 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VU028762.D

Acq: 18 Dec 2018 08:48

Instrument :

MSVOA_U

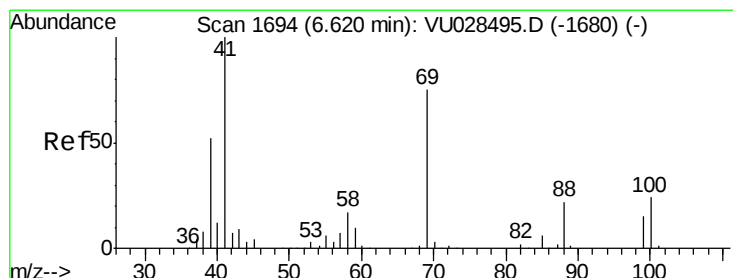
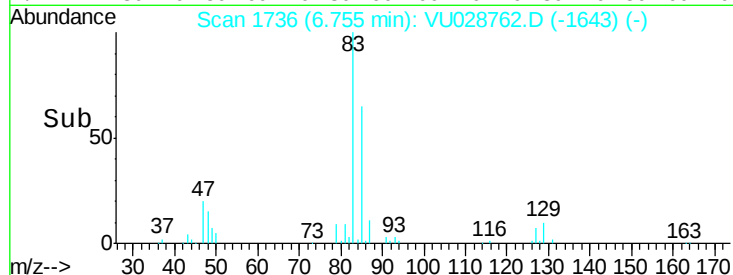
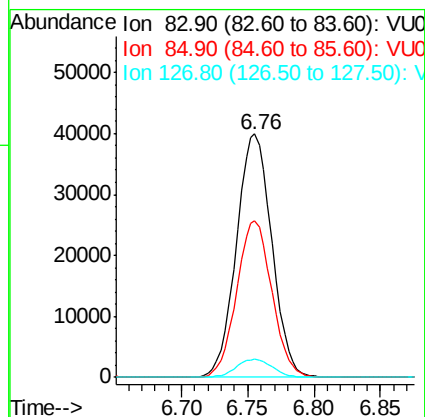
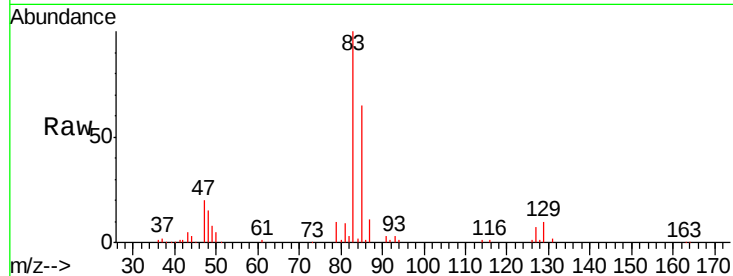
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	83	Resp:	74021
Ion Ratio	Lower	Upper	
83	100		
85	64.6	51.5	77.3
127	7.3	6.2	9.4

Manual Integrations
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12/18/2018 12:55:37 PM



#48

Methyl methacrylate

Concen: 56.869 ug/l

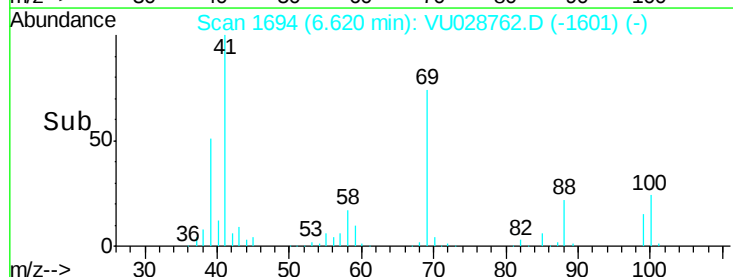
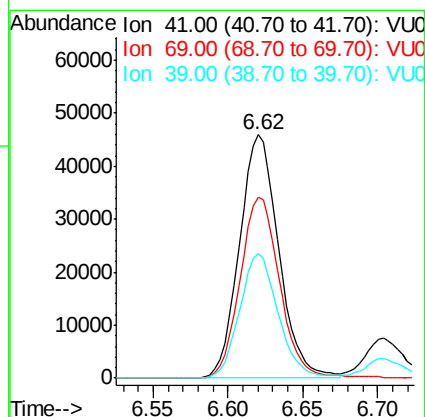
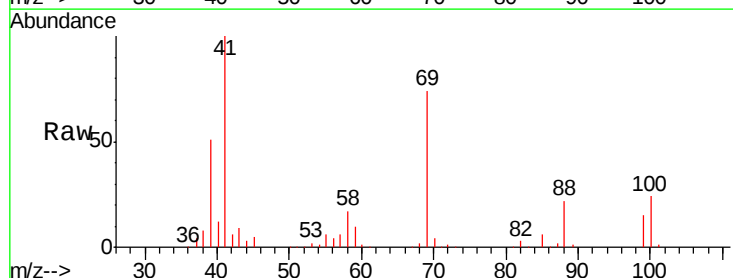
RT: 6.62 min Scan# 1694

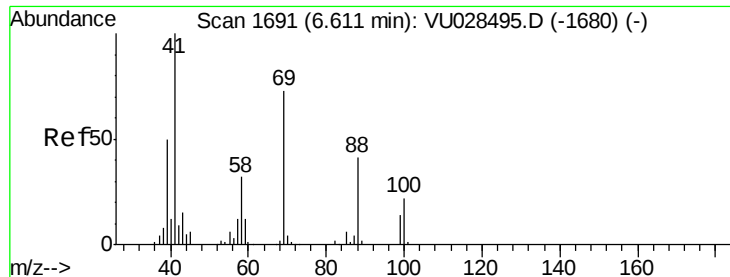
Delta R.T. -0.00 min

Lab File: VU028762.D

Acq: 18 Dec 2018 08:48

Tgt Ion:	41	Resp:	84130
Ion Ratio	Lower	Upper	
41	100		
69	74.5	60.4	90.6
39	50.0	41.1	61.7





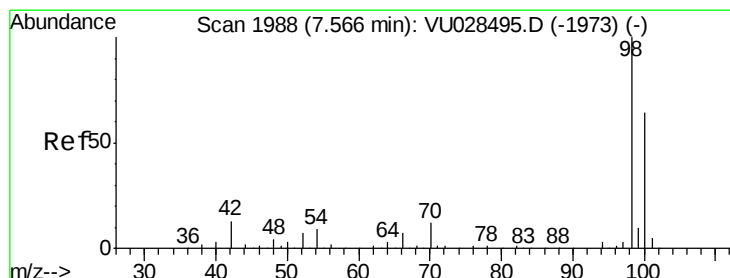
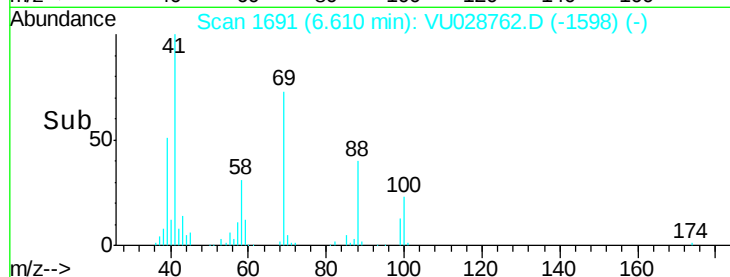
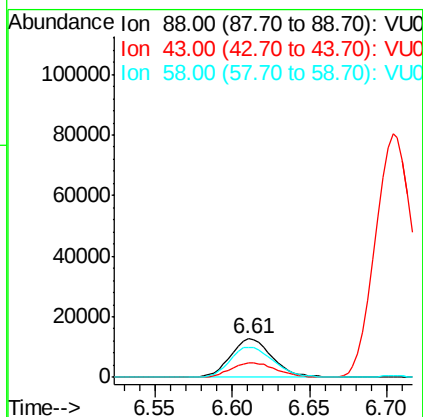
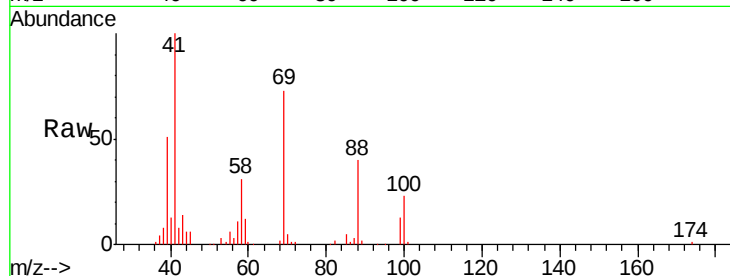
#49
1,4-Dioxane
Concen: 1030.963 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VU028762.D
Acq: 18 Dec 2018 08:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
88	100		
43	37.1	30.9	46.3
58	81.5	62.4	93.6

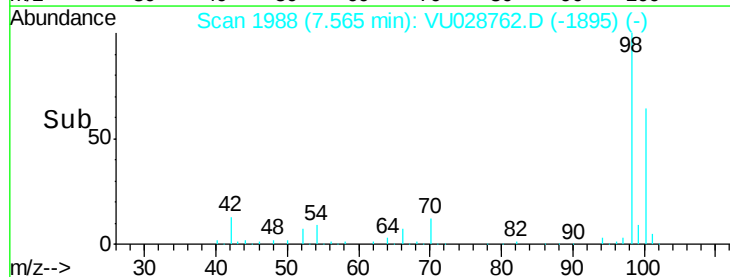
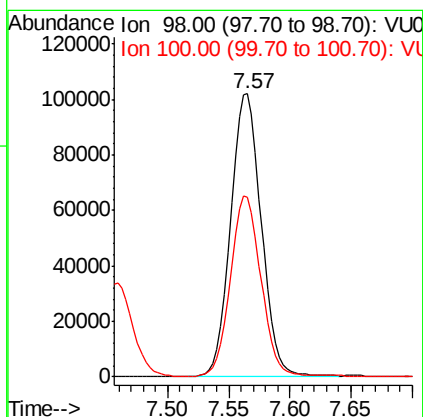
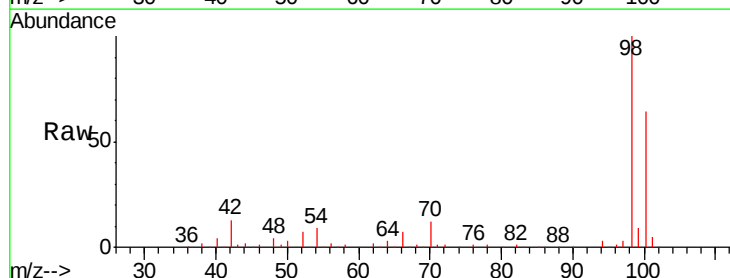
Manual Integrations
APPROVED

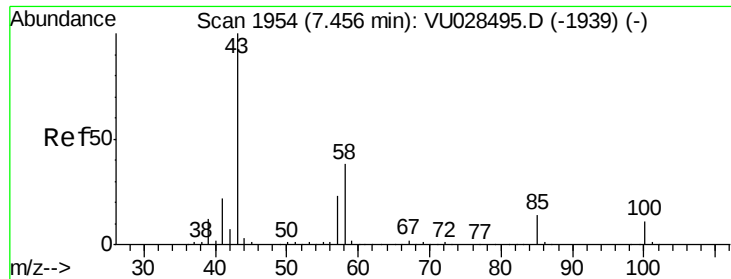
MMDadoda
12/18/2018 12:55:37 PM



#50
Toluene-d8
Concen: 54.086 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU028762.D
Acq: 18 Dec 2018 08:48

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.1	51.0	76.6





#51

4-Methyl-2-Pentanone

Concen: 284.152 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028762.D

Acq: 18 Dec 2018 08:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 533135

Ion Ratio Lower Upper

43 100

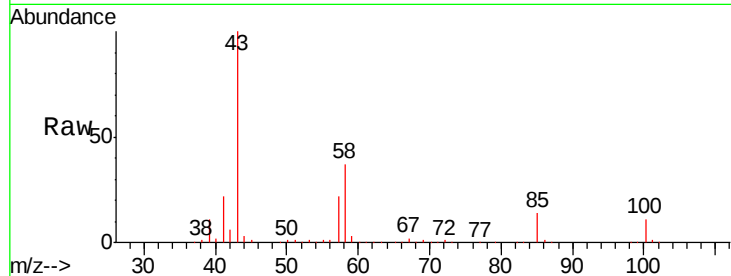
58 36.7 30.2 45.2

Manual Integrations

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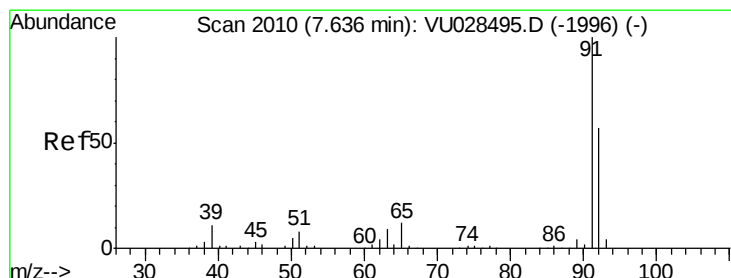
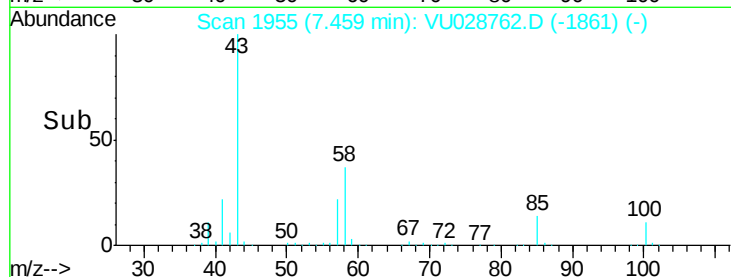
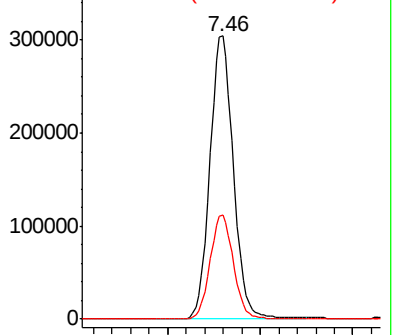
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 52.553 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028762.D

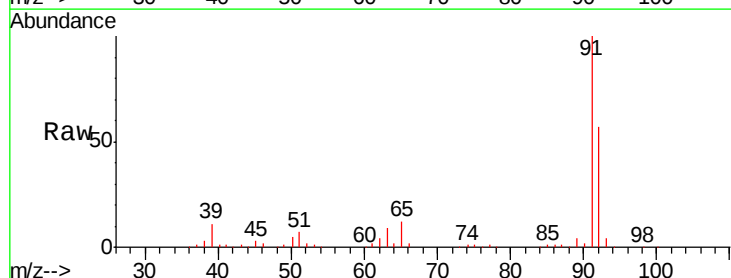
Acq: 18 Dec 2018 08:48

Tgt Ion: 92 Resp: 132529

Ion Ratio Lower Upper

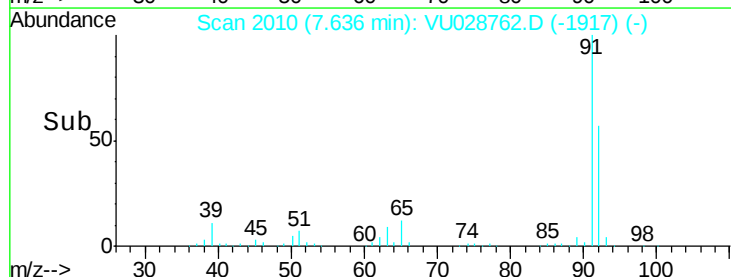
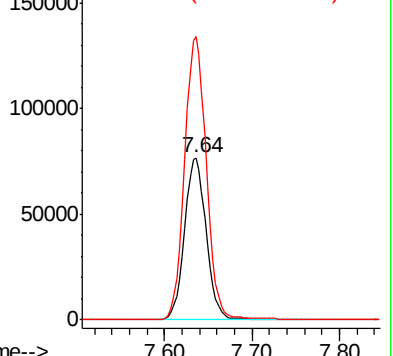
92 100

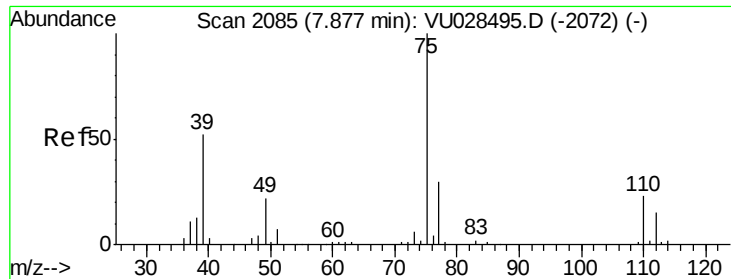
91 175.8 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





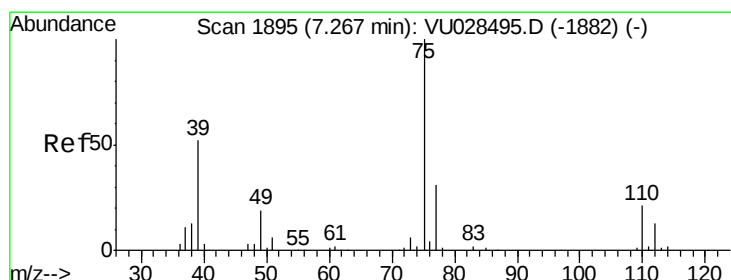
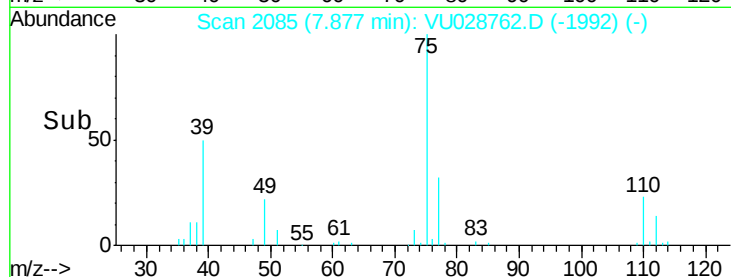
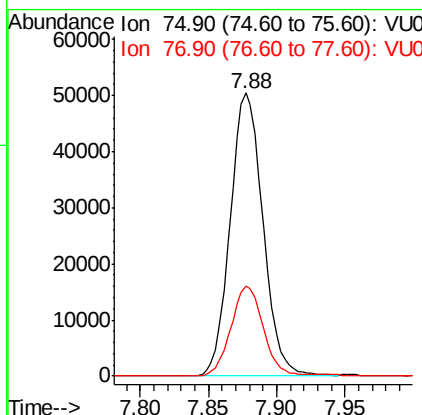
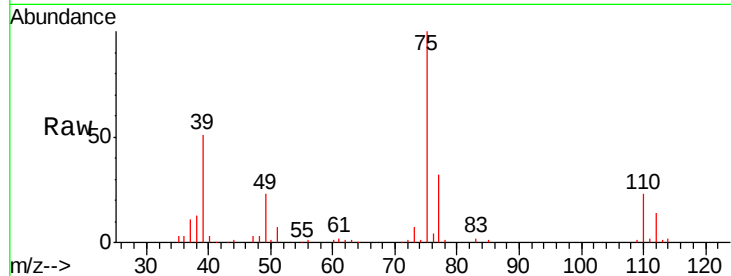
#53
 t-1,3-Dichloropropene
 Concen: 50.847 ug/l
 RT: 7.88 min Scan# 2085
 Delta R.T. -0.00 min
 Lab File: VU028762.D
 Acq: 18 Dec 2018 08:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 75 Resp: 84251
 Ion Ratio Lower Upper
 75 100
 77 31.7 24.2 36.4

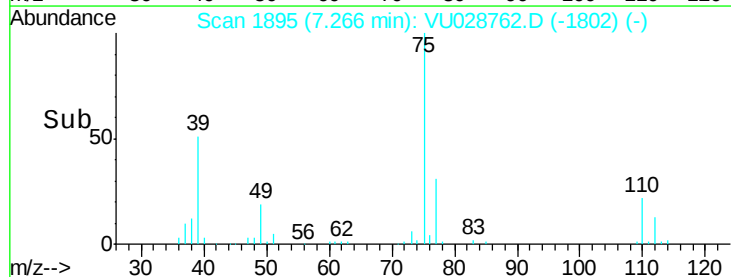
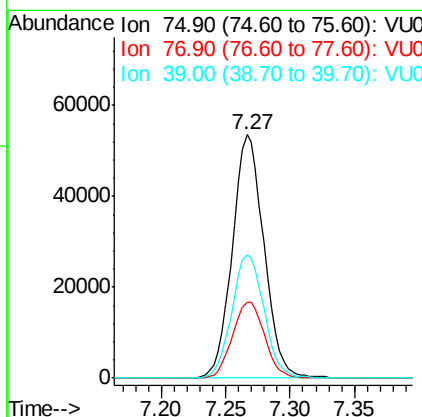
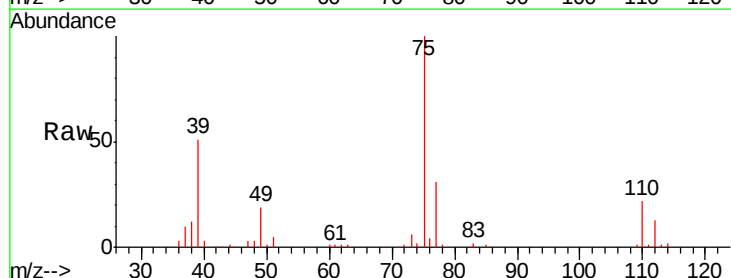
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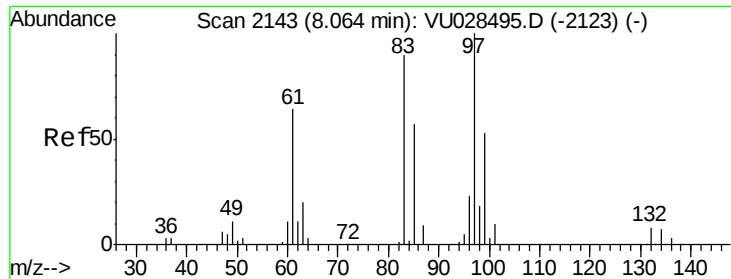
MMDadoda
 12/18/2018 12:55:37 PM



#54
 cis-1,3-Dichloropropene
 Concen: 50.776 ug/l
 RT: 7.27 min Scan# 1895
 Delta R.T. -0.00 min
 Lab File: VU028762.D
 Acq: 18 Dec 2018 08:48

Tgt Ion: 75 Resp: 91279
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.0 37.4
 39 50.7 41.3 61.9





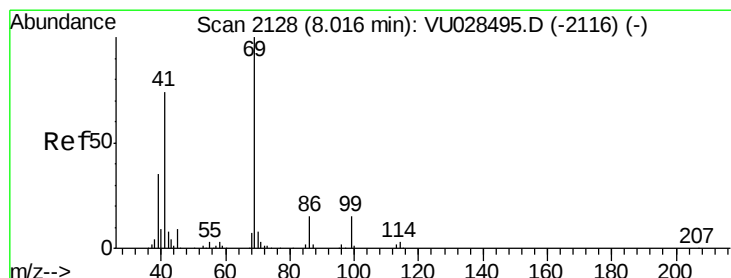
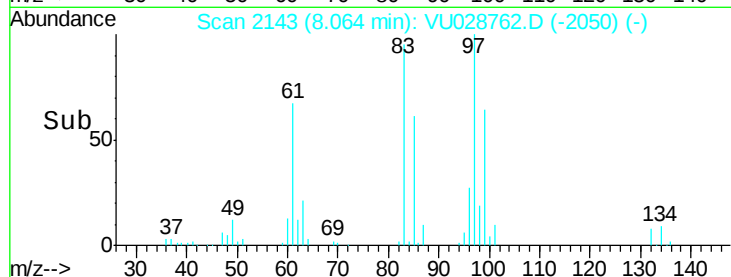
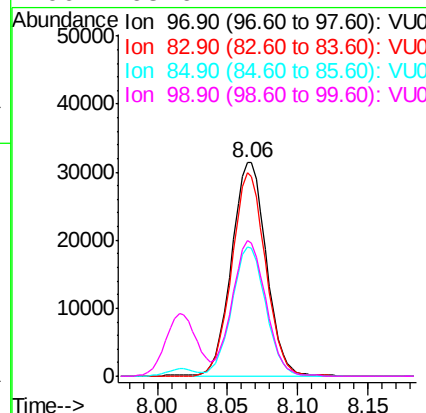
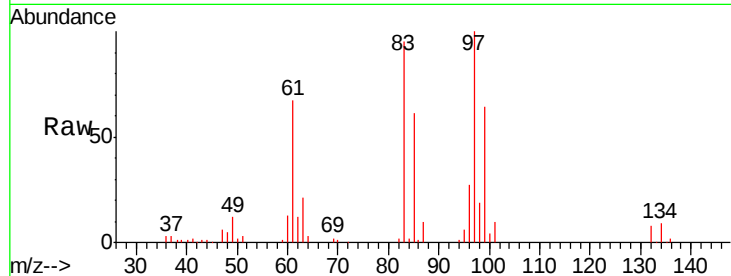
#55
 1,1,2-Trichloroethane
 Concen: 54.343 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VU028762.D
 Acq: 18 Dec 2018 08:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:	97	Resp:	54172
Ion	Ratio	Lower	Upper
97	100		
83	95.3	72.4	108.6
85	60.8	46.0	69.0
99	63.6	47.4	71.2

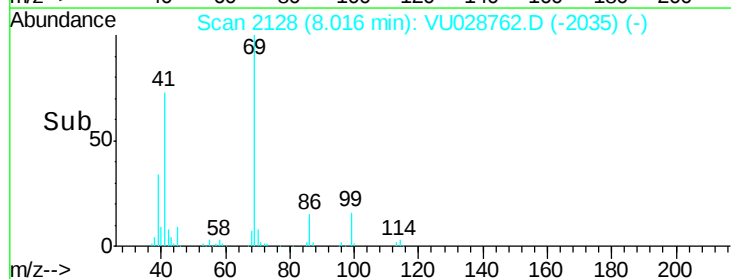
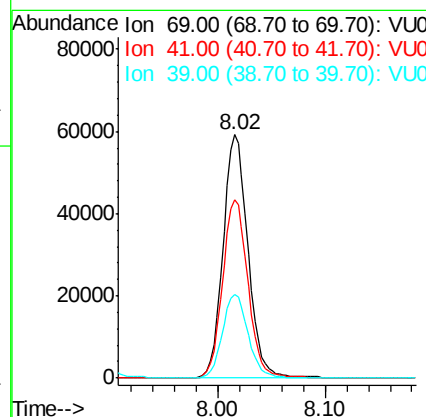
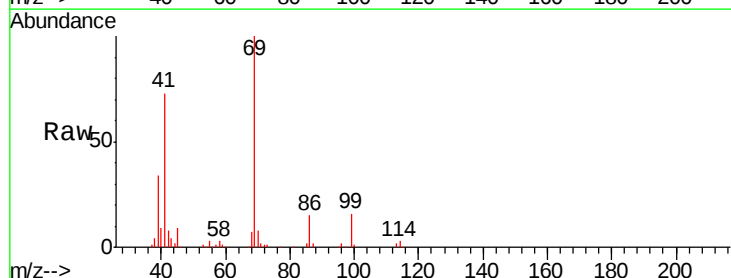
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#56
 Ethyl methacrylate
 Concen: 55.570 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. -0.00 min
 Lab File: VU028762.D
 Acq: 18 Dec 2018 08:48

Tgt Ion:	69	Resp:	94861
Ion	Ratio	Lower	Upper
69	100		
41	74.9	59.1	88.7
39	35.6	28.4	42.6





#57

1,3-Dichloropropane

Concen: 53.853 ug/l

RT: 8.24 min Scan# 2198

Delta R.T. -0.00 min

Lab File: VU028762.D

Acq: 18 Dec 2018 08:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 76 Resp: 99652

Ion Ratio Lower Upper

76 100

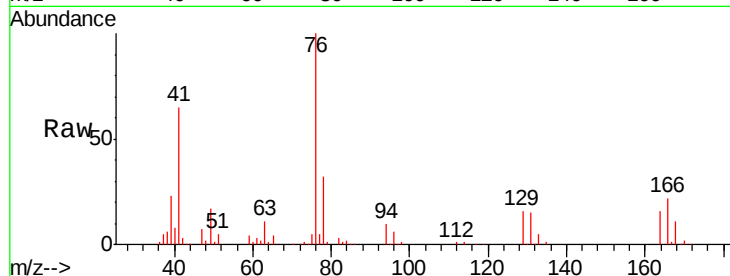
78 31.6 25.2 37.8

Manual Integrations

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MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

60000

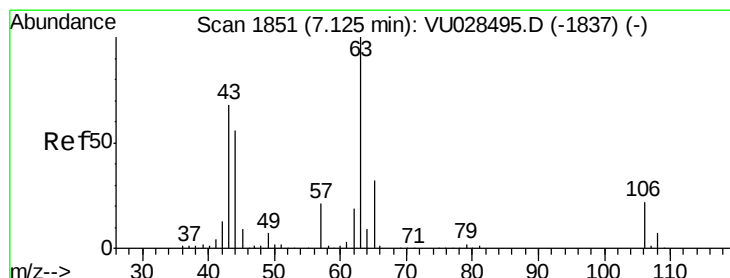
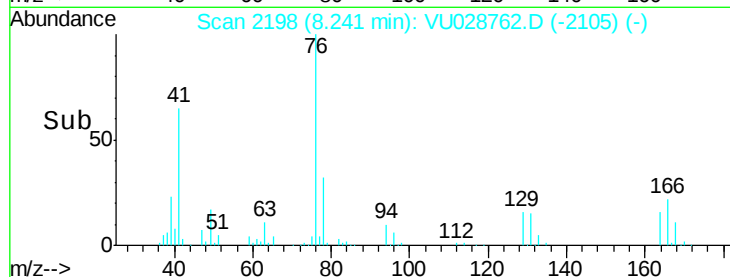
40000

20000

0

8.15 8.20 8.25 8.30

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 278.646 ug/l

RT: 7.12 min Scan# 1851

Delta R.T. -0.00 min

Lab File: VU028762.D

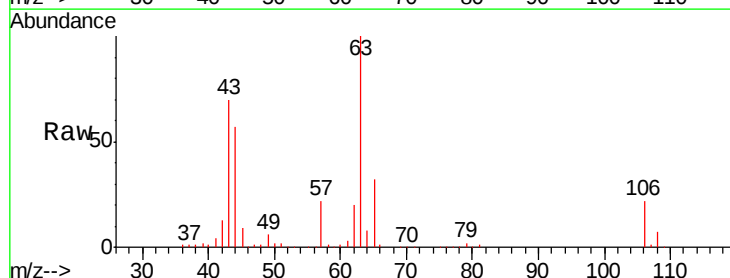
Acq: 18 Dec 2018 08:48

Tgt Ion: 63 Resp: 243637

Ion Ratio Lower Upper

63 100

106 21.9 17.8 26.6



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

150000

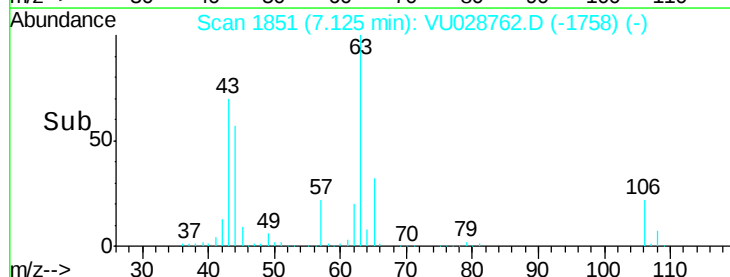
100000

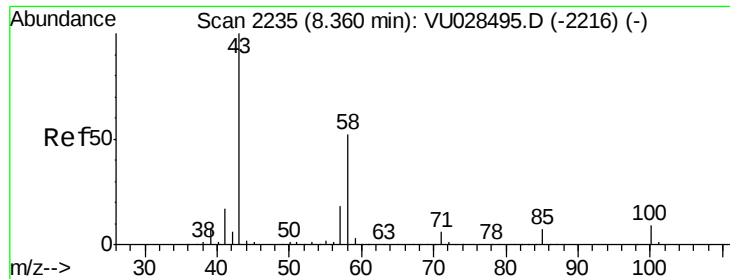
50000

0

7.05 7.10 7.15 7.20

Time-->





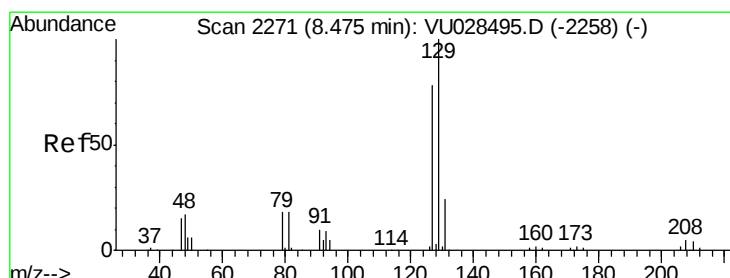
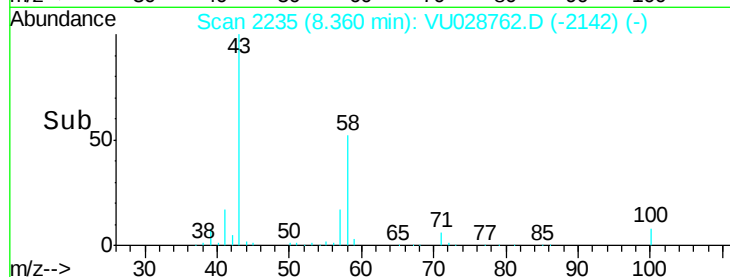
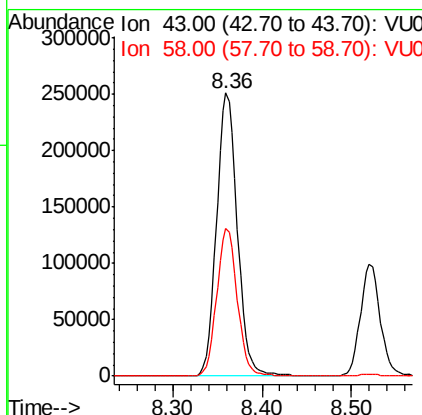
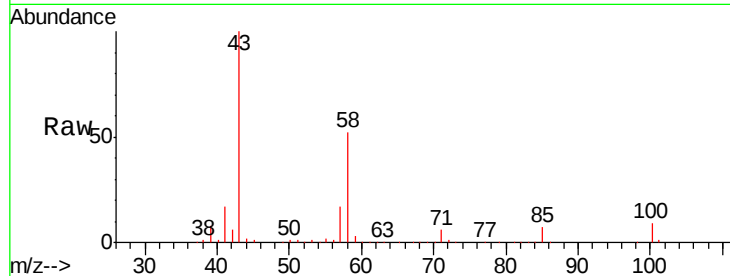
#59
2-Hexanone
Concen: 272.491 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. -0.00 min
Lab File: VU028762.D
Acq: 18 Dec 2018 08:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 405225
Ion Ratio Lower Upper
43 100
58 51.5 25.9 77.6

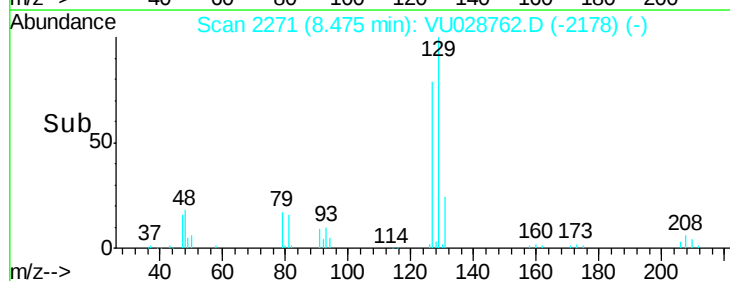
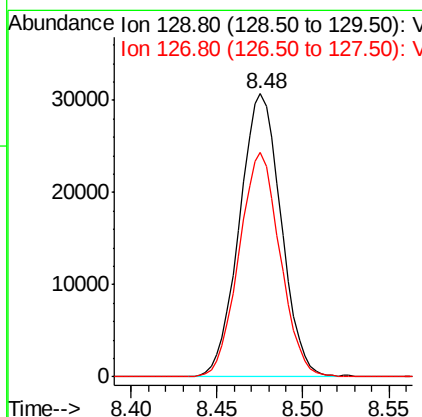
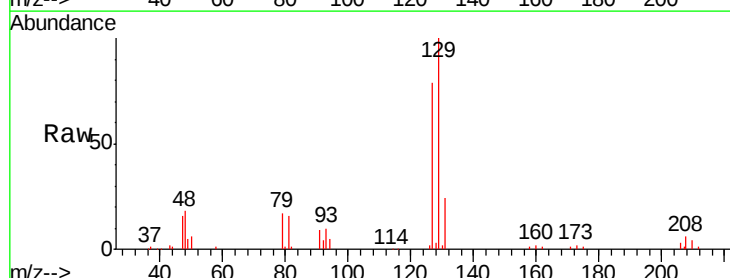
Manual Integrations
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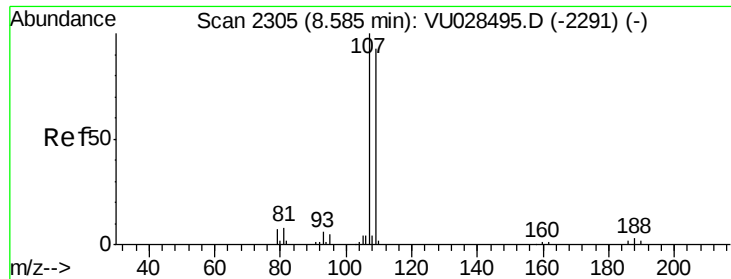
MMDadoda
12/18/2018 12:55:37 PM



#60
Dibromochloromethane
Concen: 52.900 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028762.D
Acq: 18 Dec 2018 08:48

Tgt Ion: 129 Resp: 51629
Ion Ratio Lower Upper
129 100
127 78.1 39.1 117.3





#61

1,2-Dibromoethane

Concen: 54.871 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VU028762.D

Acq: 18 Dec 2018 08:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 107 Resp: 57360

Ion Ratio Lower Upper

107 100

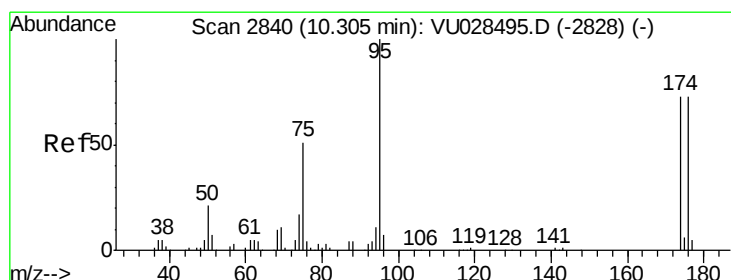
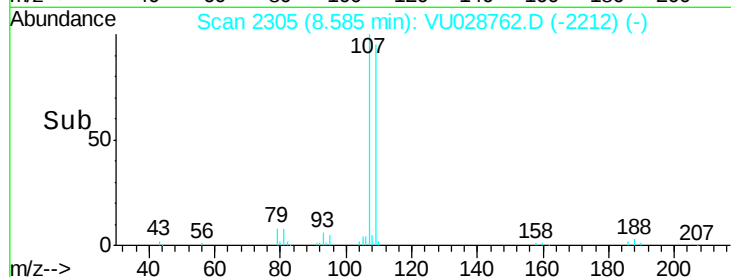
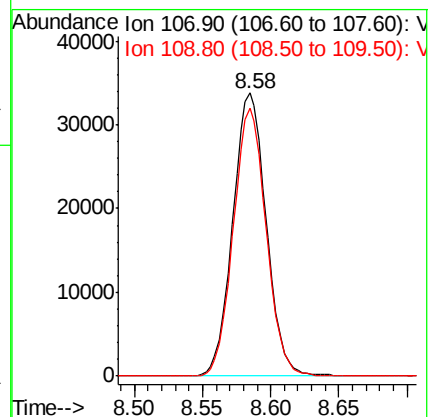
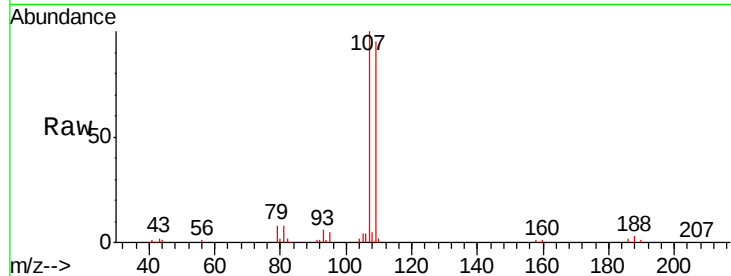
109 93.1 74.5 111.7

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 54.074 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028762.D

Acq: 18 Dec 2018 08:48

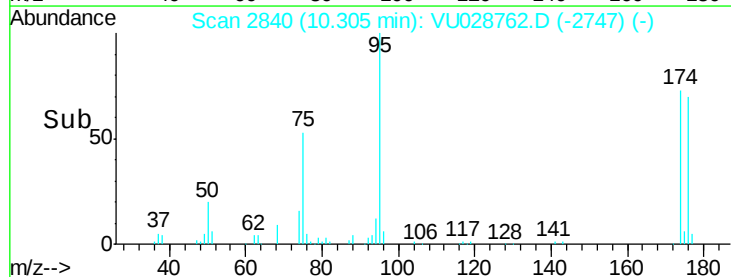
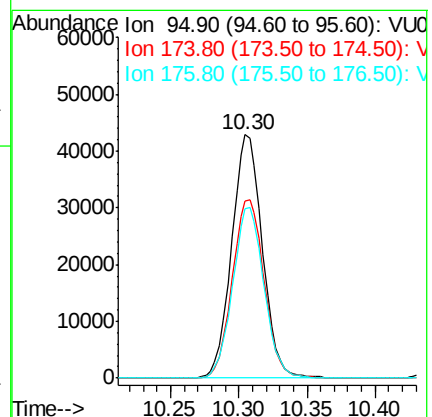
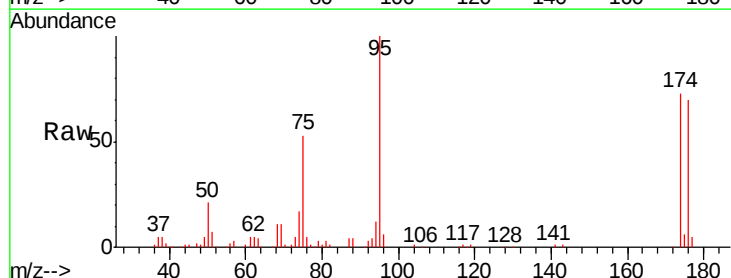
Tgt Ion: 95 Resp: 66894

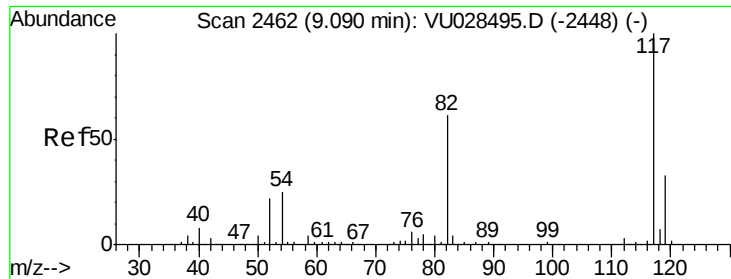
Ion Ratio Lower Upper

95 100

174 76.0 0.0 150.4

176 71.7 0.0 145.2





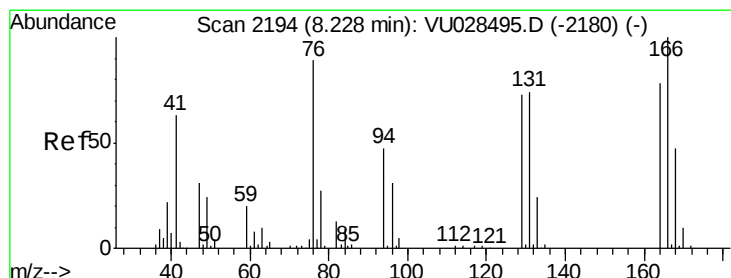
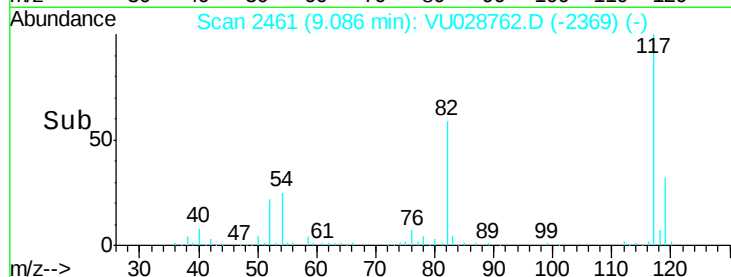
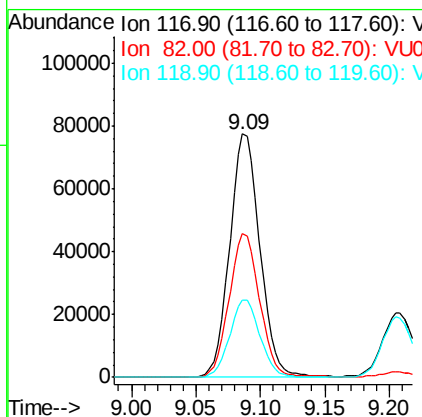
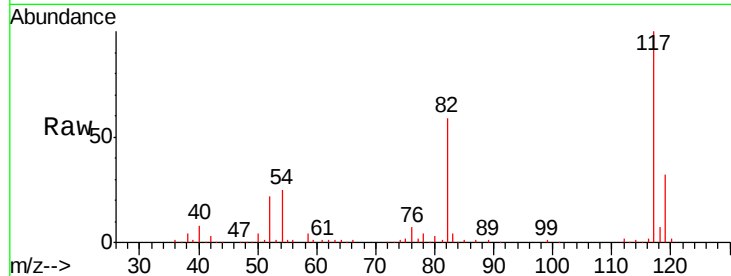
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2461
Delta R.T. -0.00 min
Lab File: VU028762.D
Acq: 18 Dec 2018 08:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
117	100		
82	58.8	48.9	73.3
119	31.9	26.2	39.4

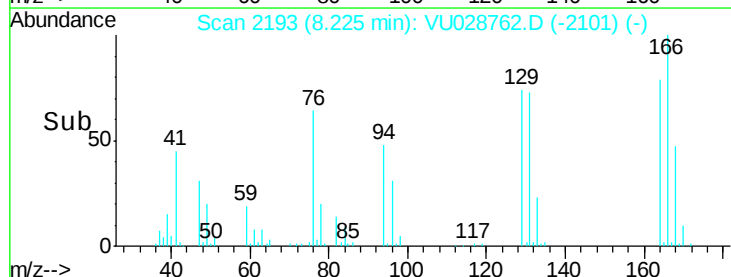
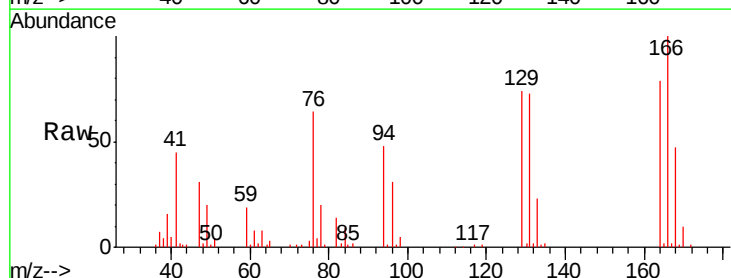
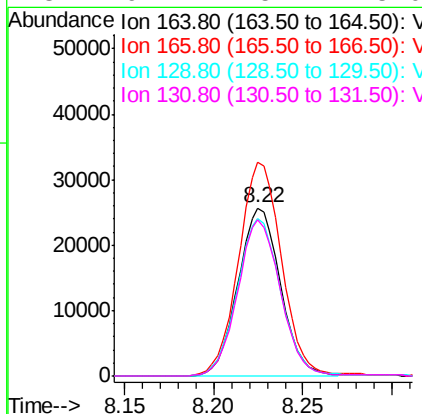
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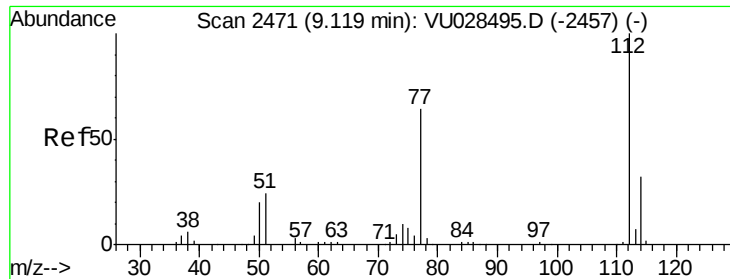
MMDadoda
12/18/2018 12:55:37 PM



#64
Tetrachloroethene
Concen: 50.423 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU028762.D
Acq: 18 Dec 2018 08:48

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.1	101.9	152.9
129	93.4	74.9	112.3
131	92.7	75.4	113.0





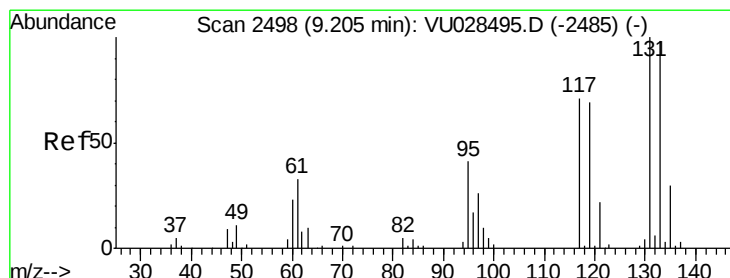
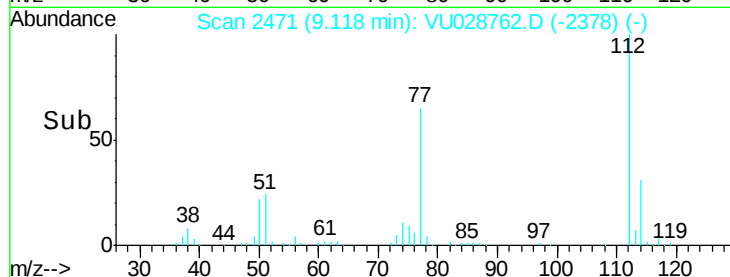
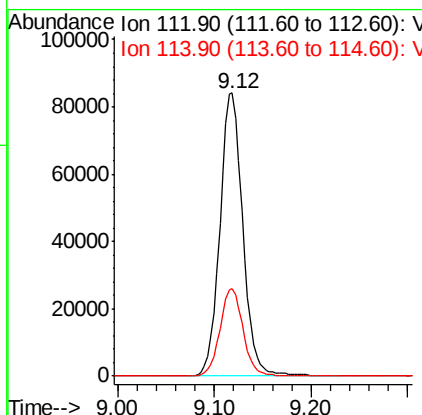
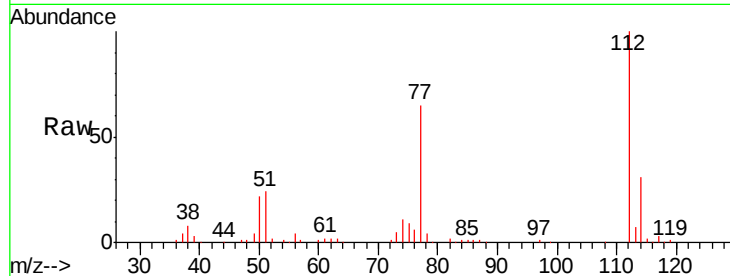
#65
Chlorobenzene
Concen: 51.280 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028762.D
Acq: 18 Dec 2018 08:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 138312
Ion Ratio Lower Upper
112 100
114 30.9 25.3 37.9

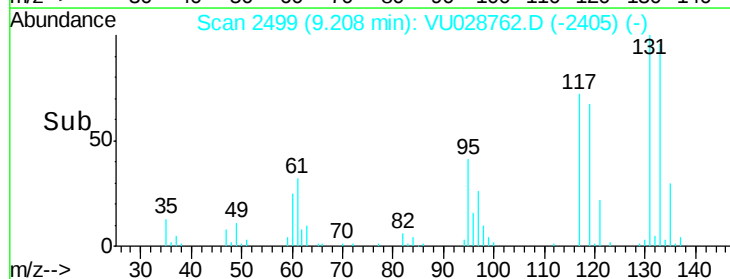
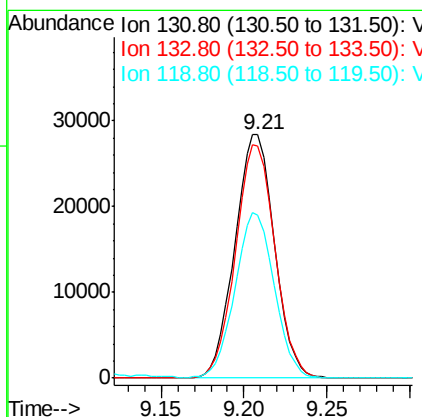
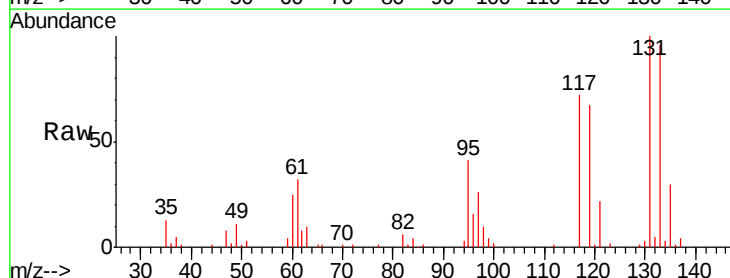
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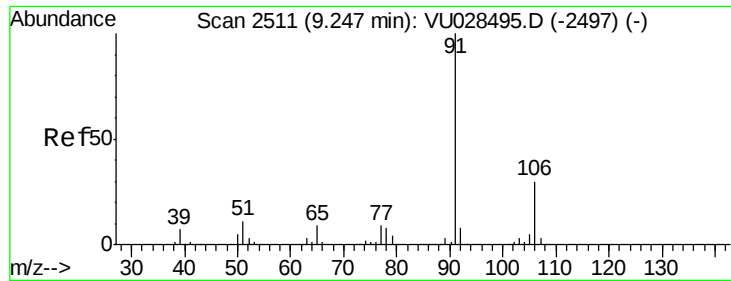
MMDadoda
12/18/2018 12:55:37 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 54.677 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VU028762.D
Acq: 18 Dec 2018 08:48

Tgt Ion:131 Resp: 47093
Ion Ratio Lower Upper
131 100
133 95.4 48.0 144.0
119 67.3 34.6 103.9





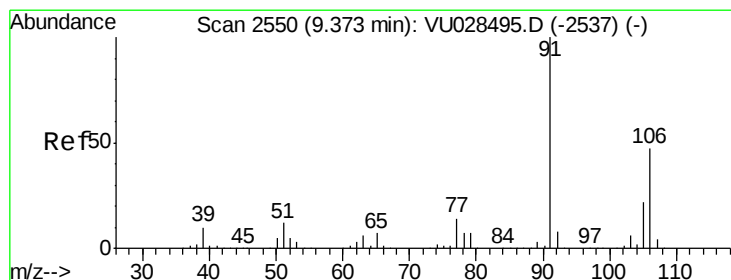
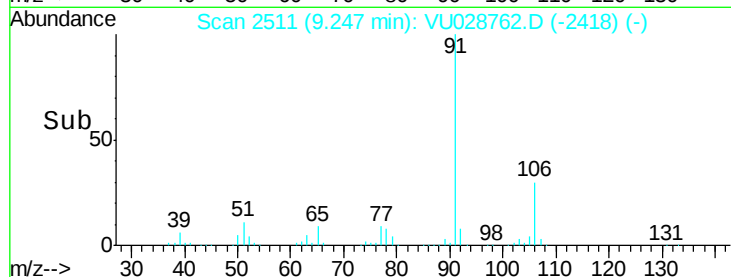
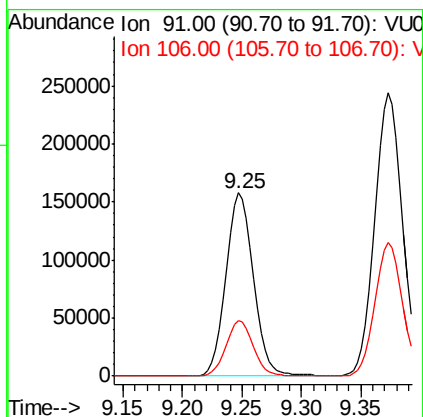
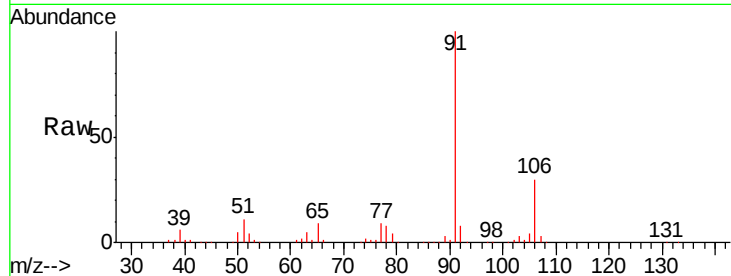
#67
Ethyl Benzene
Concen: 51.271 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. -0.00 min
Lab File: VU028762.D
Acq: 18 Dec 2018 08:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 254215
Ion Ratio Lower Upper
91 100
106 30.3 24.1 36.1

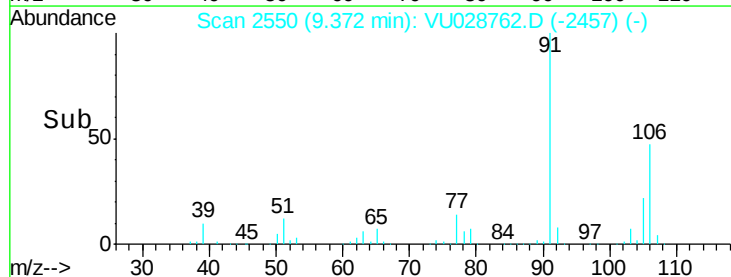
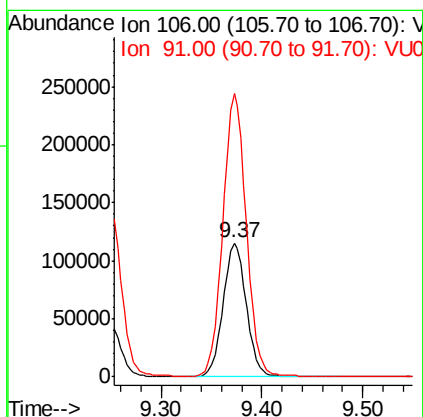
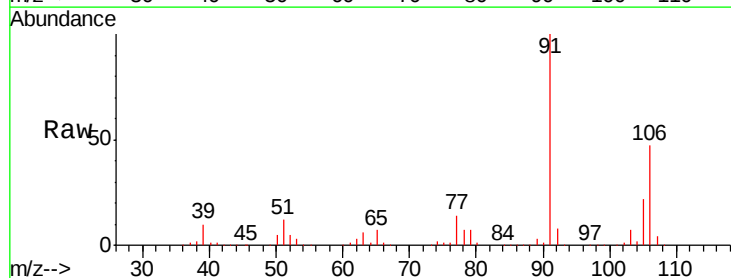
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#68
m/p-Xylenes
Concen: 103.210 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028762.D
Acq: 18 Dec 2018 08:48

Tgt Ion: 106 Resp: 186210
Ion Ratio Lower Upper
106 100
91 212.7 167.4 251.0





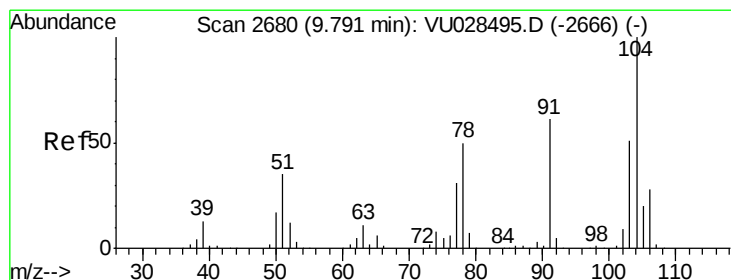
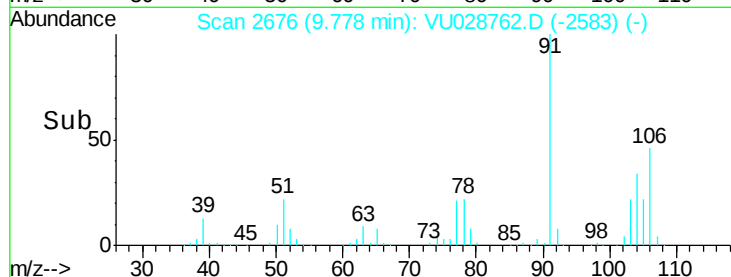
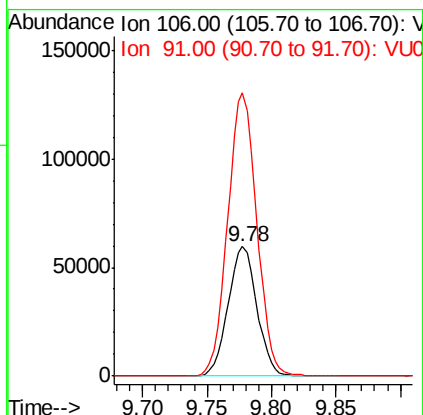
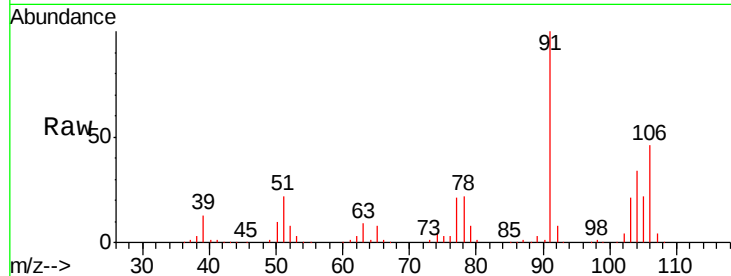
#69
o-Xylene
Concen: 52.692 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028762.D
Acq: 18 Dec 2018 08:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 92385
Ion Ratio Lower Upper
106 100
91 221.0 111.3 334.0

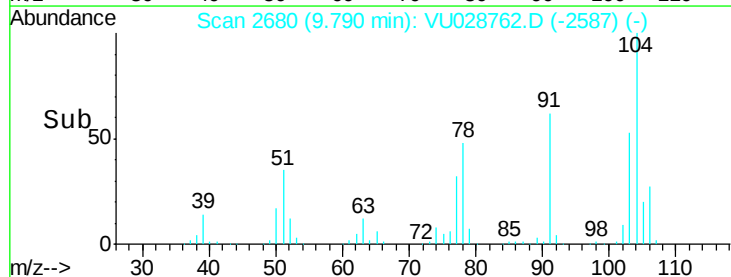
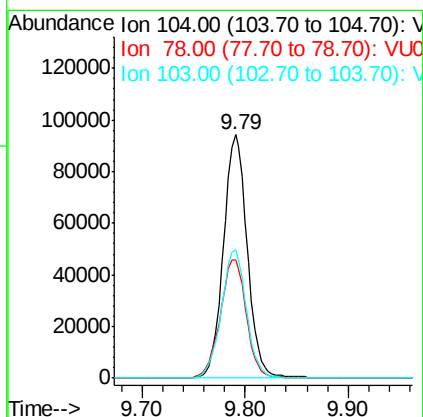
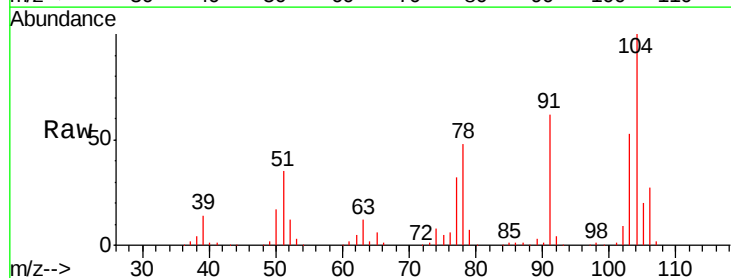
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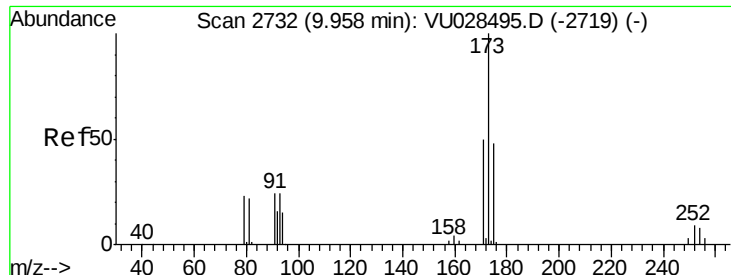
MMDadoda
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#70
Styrene
Concen: 52.355 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028762.D
Acq: 18 Dec 2018 08:48

Tgt Ion:104 Resp: 151912
Ion Ratio Lower Upper
104 100
78 53.2 43.0 64.6
103 55.5 44.2 66.4





#71

Bromoform

Concen: 56.359 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028762.D

Acq: 18 Dec 2018 08:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion:173 Resp: 41294

Ion Ratio Lower Upper

173 100

175 47.3 23.9 71.8

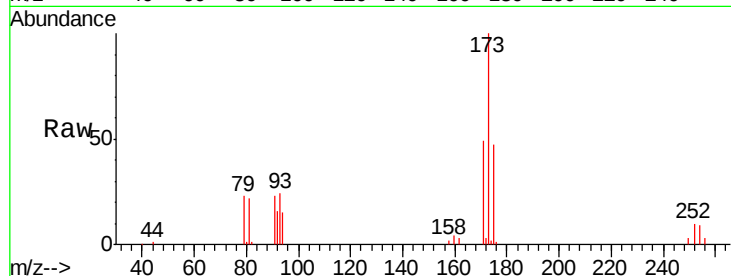
254 0.0 0.0 0.0

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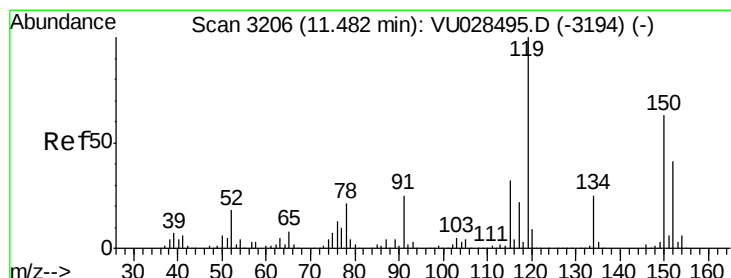
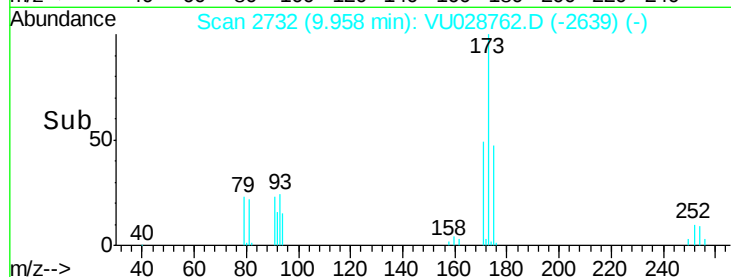
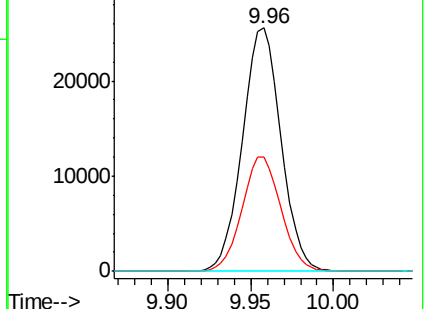
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU028762.D

Acq: 18 Dec 2018 08:48

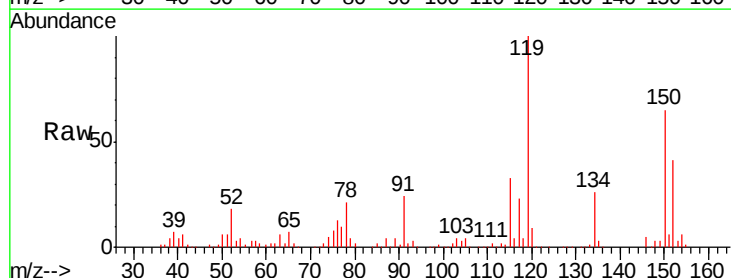
Tgt Ion:152 Resp: 62338

Ion Ratio Lower Upper

152 100

115 86.9 42.7 128.1

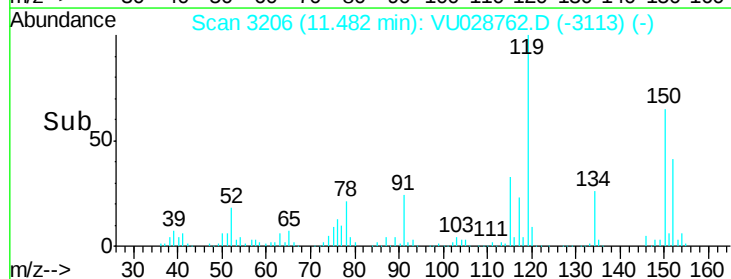
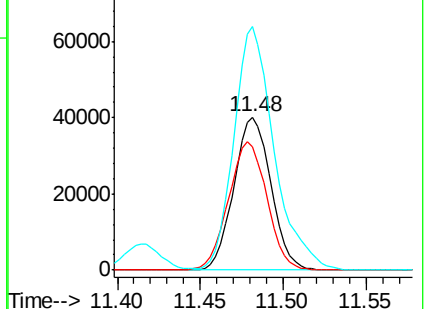
150 173.3 0.0 346.0

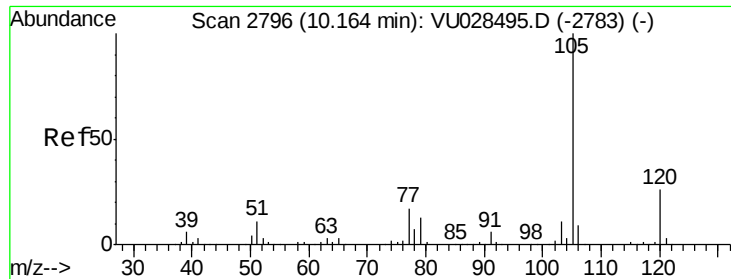


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.752 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028762.D

Acq: 18 Dec 2018 08:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 105 Resp: 242766

Ion Ratio Lower Upper

105 100

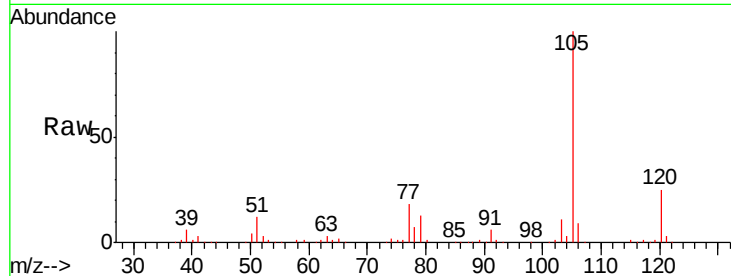
120 25.4 12.9 38.6

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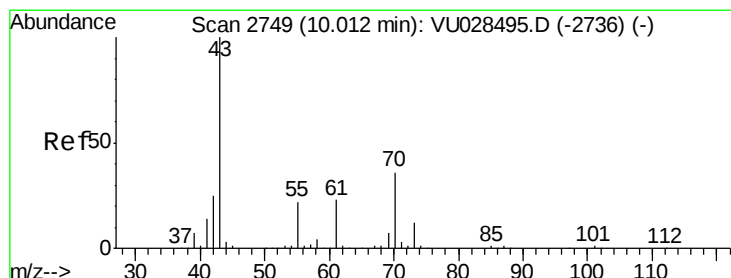
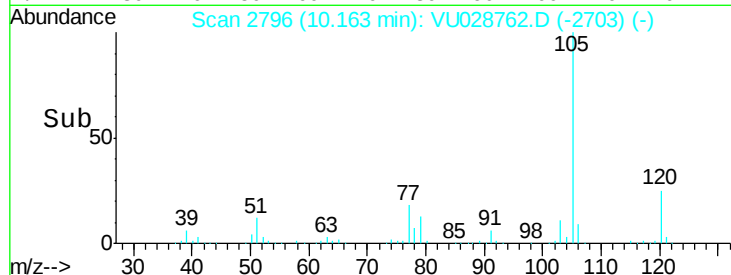
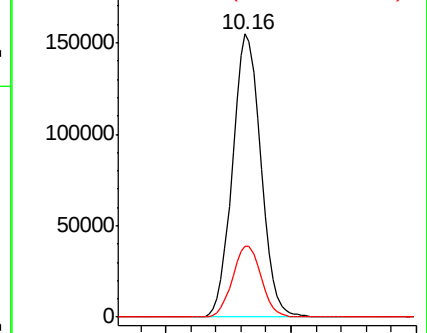
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 54.085 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028762.D

Acq: 18 Dec 2018 08:48

Tgt Ion: 43 Resp: 149232

Ion Ratio Lower Upper

43 100

70 35.9 29.3 43.9

55 22.6 18.0 27.0

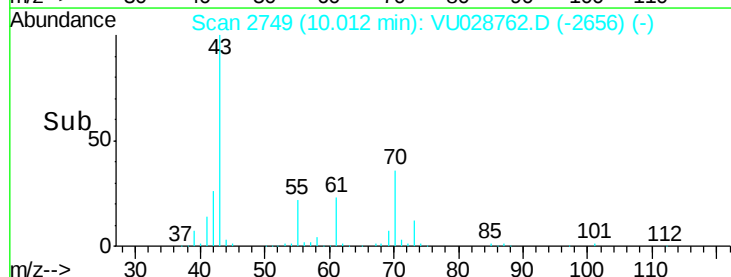
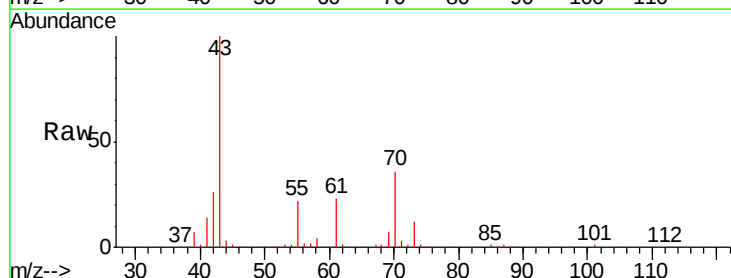
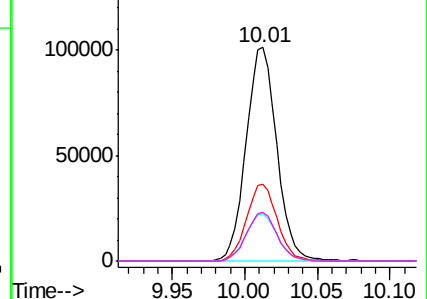
61 22.9 18.3 27.5

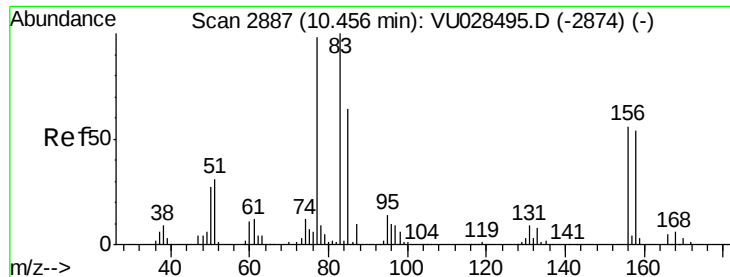
Abundance Ion 43.00 (42.70 to 43.70): VU0

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: 54.326 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028762.D

Acq: 18 Dec 2018 08:48

Instrument :

MSVOA_U

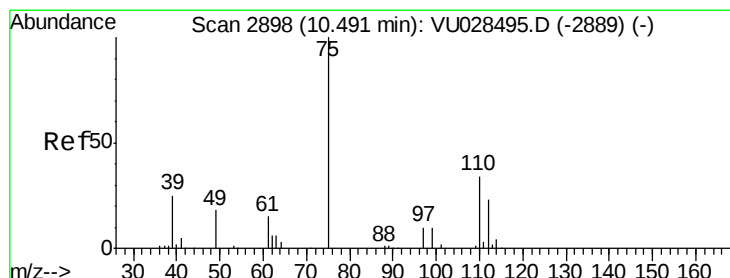
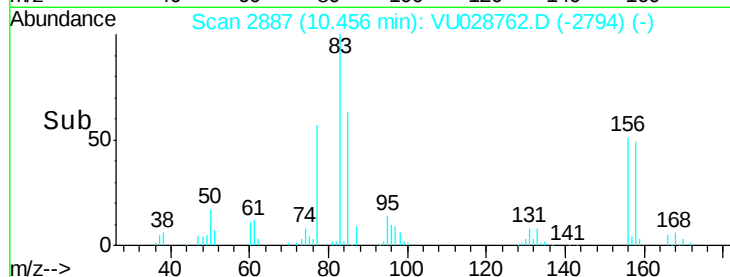
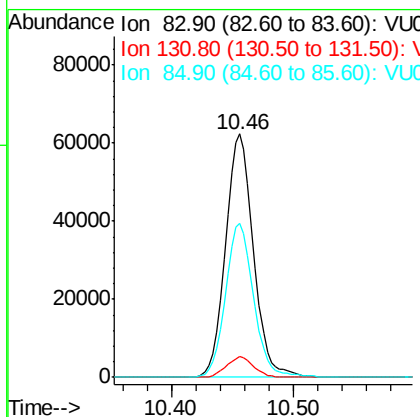
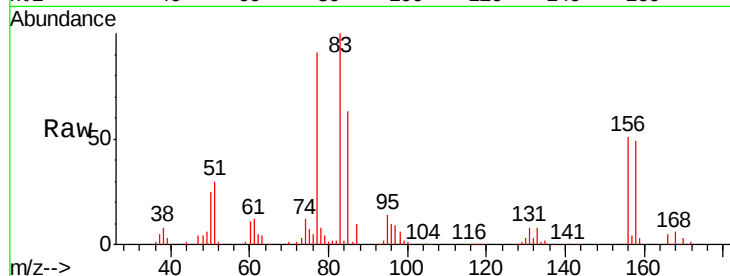
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	83	Resp:	99825
Ion Ratio	Lower	Upper	
83	100		
131	8.3	4.2	12.4
85	64.0	31.8	95.4

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#76

1,2,3-Trichloropropane

Concen: 48.246 ug/l m

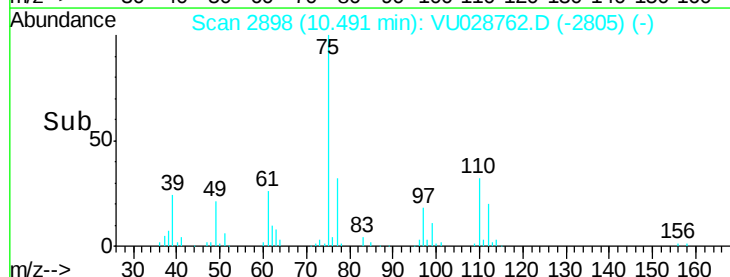
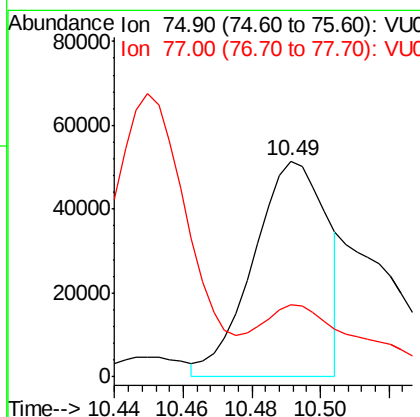
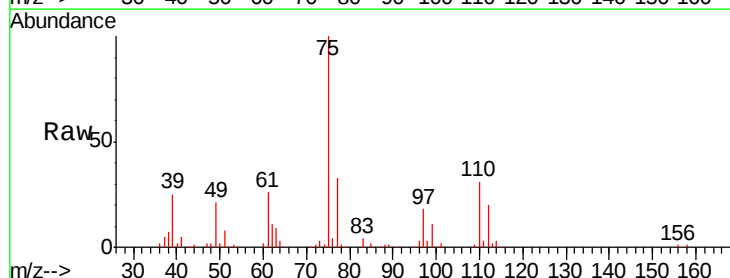
RT: 10.49 min Scan# 2898

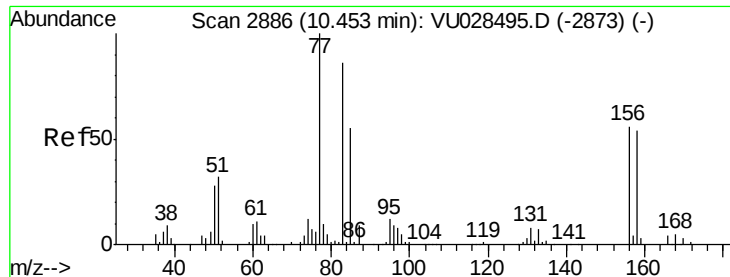
Delta R.T. -0.00 min

Lab File: VU028762.D

Acq: 18 Dec 2018 08:48

Tgt Ion:	75	Resp:	76799
Ion Ratio	Lower	Upper	
75	100		
77	45.8	20.8	62.4





#77

Bromobenzene

Concen: 51.546 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. -0.00 min

Lab File: VU028762.D

Acq: 18 Dec 2018 08:48

Instrument :

MSVOA_U

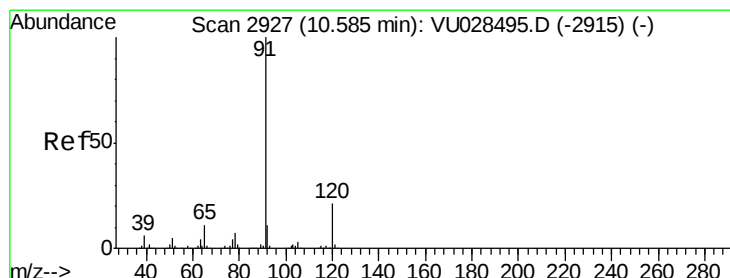
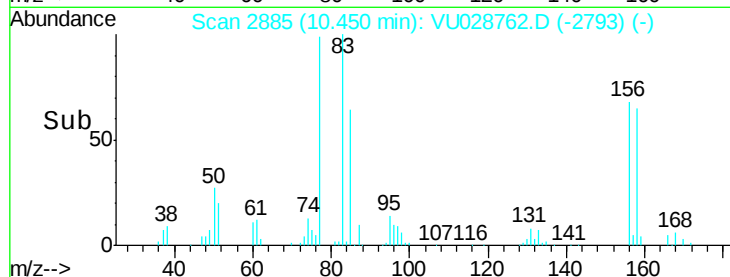
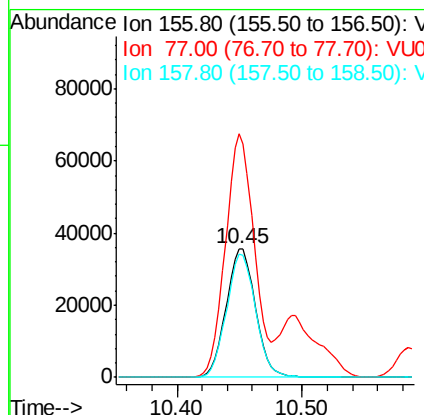
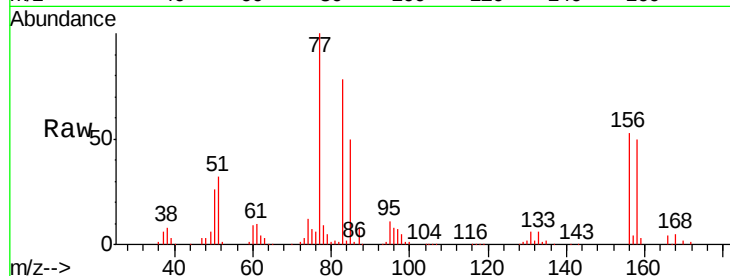
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	156	Resp:	57666
Ion Ratio	Lower	Upper	
156	100		
77	185.9	92.4	277.2
158	95.1	48.4	145.3

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#78

n-propylbenzene

Concen: 50.385 ug/l

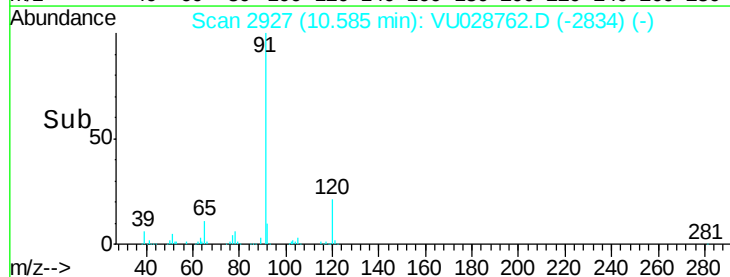
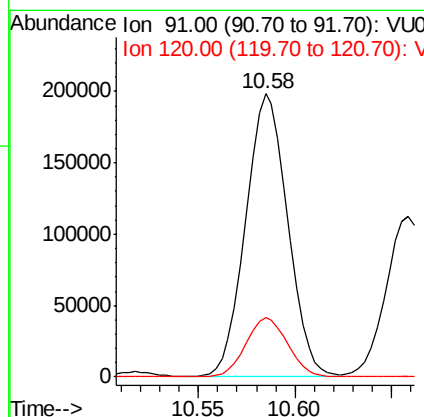
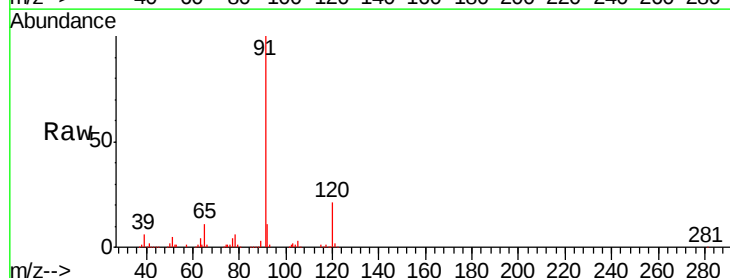
RT: 10.58 min Scan# 2927

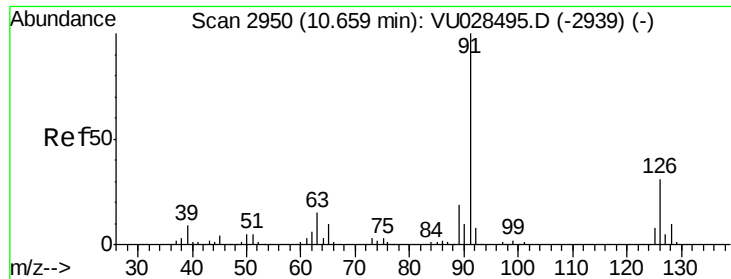
Delta R.T. -0.00 min

Lab File: VU028762.D

Acq: 18 Dec 2018 08:48

Tgt Ion:	91	Resp:	299481
Ion Ratio	Lower	Upper	
91	100		
120	20.9	10.6	31.8





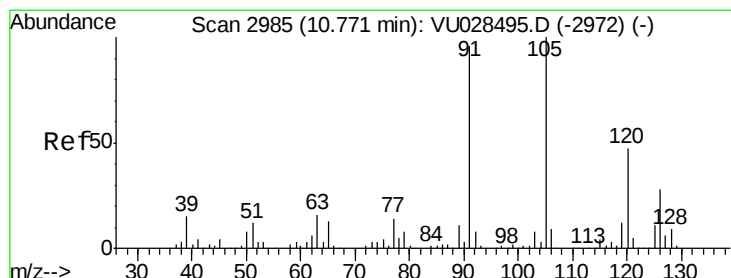
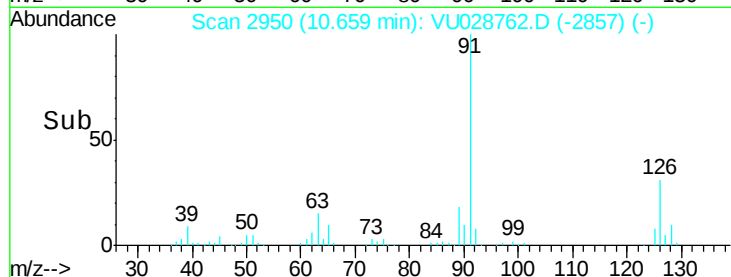
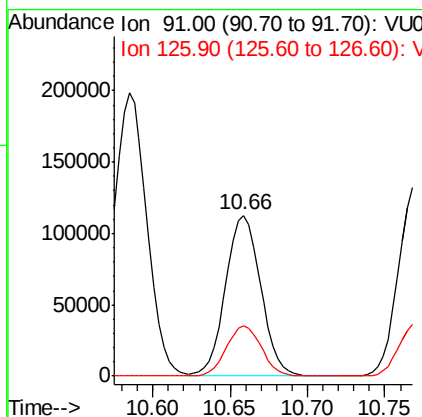
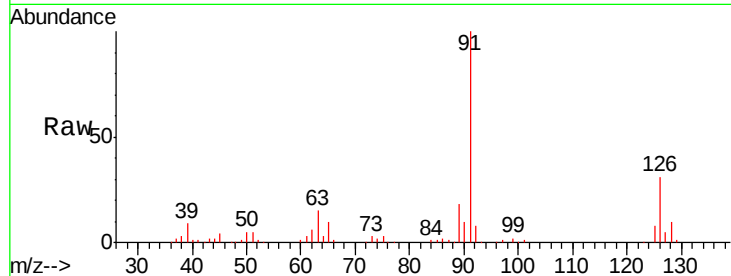
#79
2-Chlorotoluene
Concen: 51.788 ug/l
RT: 10.66 min Scan# 2950
Delta R.T. -0.00 min
Lab File: VU028762.D
Acq: 18 Dec 2018 08:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 177311
Ion Ratio Lower Upper
91 100
126 31.3 15.6 46.8

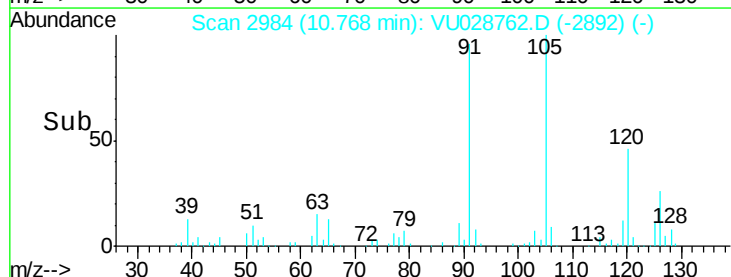
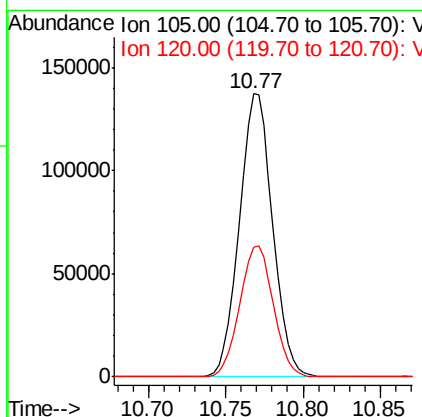
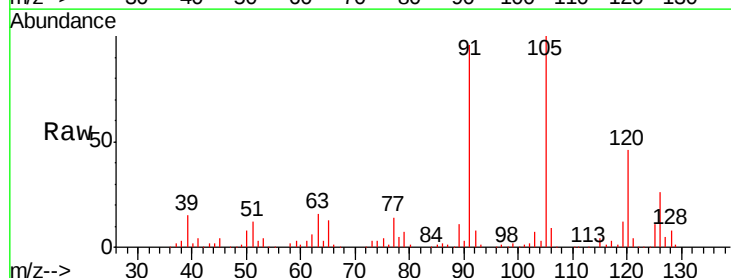
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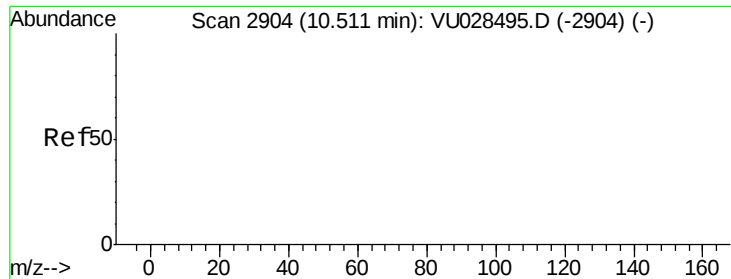
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#80
1,3,5-Trimethylbenzene
Concen: 51.726 ug/l
RT: 10.77 min Scan# 2984
Delta R.T. -0.00 min
Lab File: VU028762.D
Acq: 18 Dec 2018 08:48

Tgt Ion: 105 Resp: 204814
Ion Ratio Lower Upper
105 100
120 46.9 23.7 71.1





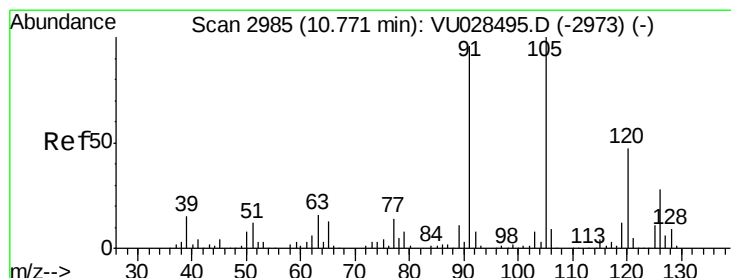
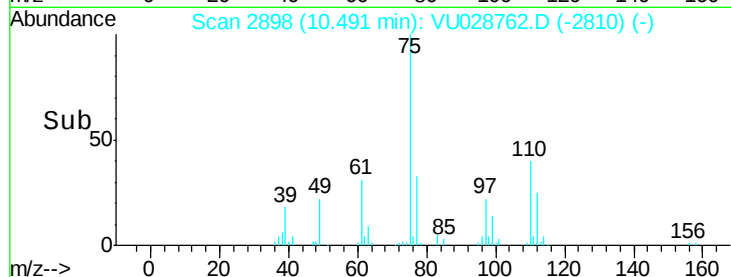
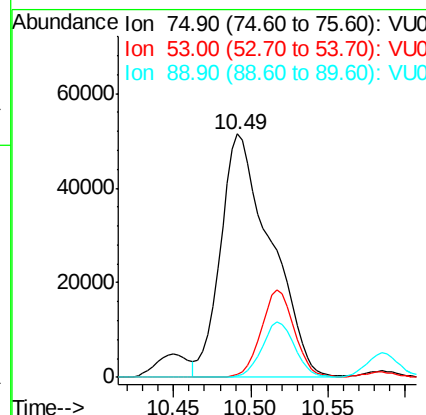
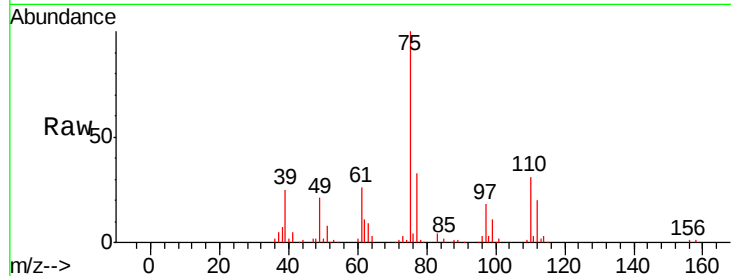
#81
trans-1,4-Dichloro-2-butene
Concen: 178.285 ug/l
RT: 10.49 min Scan# 2898
Delta R.T. -0.02 min
Lab File: VU028762.D
Acq: 18 Dec 2018 08:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp Lower	Resp Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

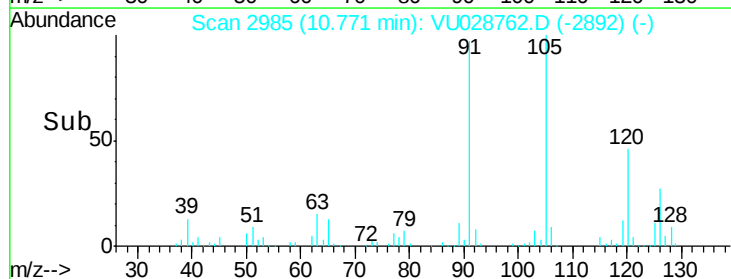
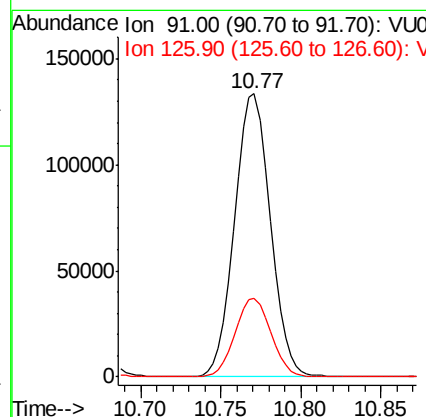
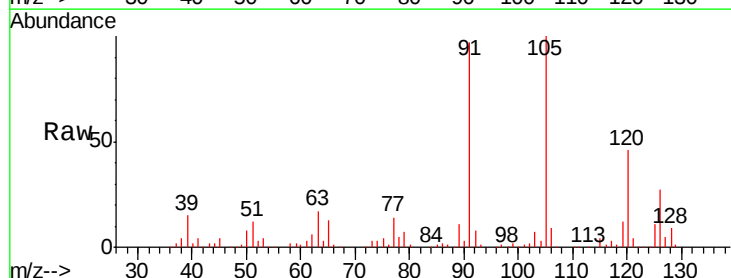
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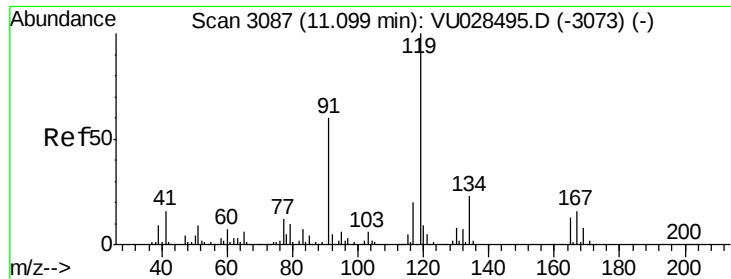
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#82
4-Chlorotoluene
Concen: 49.828 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. -0.00 min
Lab File: VU028762.D
Acq: 18 Dec 2018 08:48

Tgt Ion	Ratio	Resp Lower	Resp Upper
91	100		
126	28.1	14.1	42.3





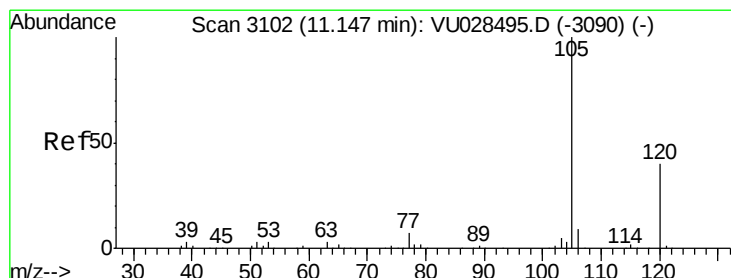
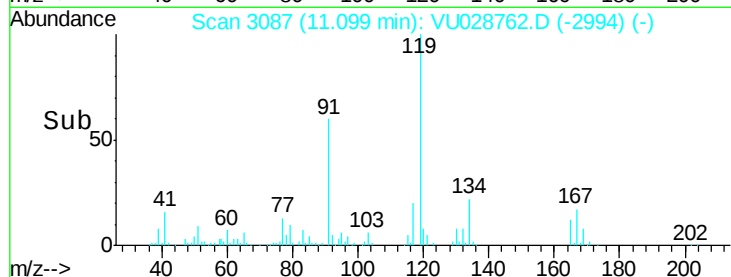
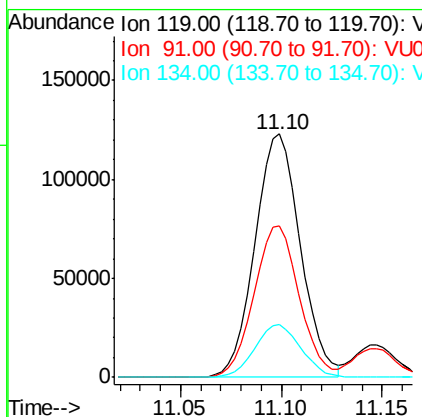
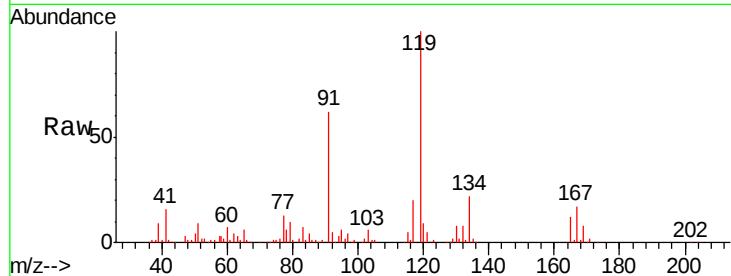
#83
tert-Butylbenzene
Concen: 50.684 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VU028762.D
Acq: 18 Dec 2018 08:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	193436		
91	62.2	30.3	91.0	
134	22.0	11.2	33.5	

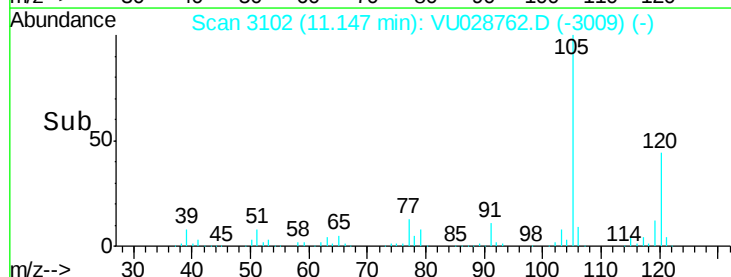
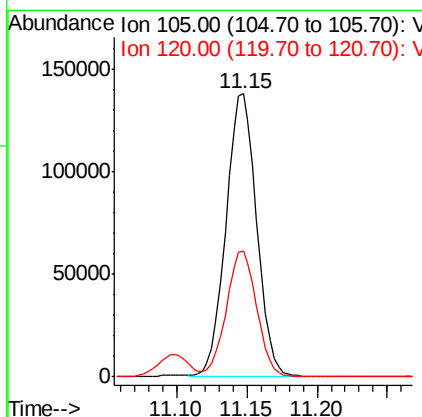
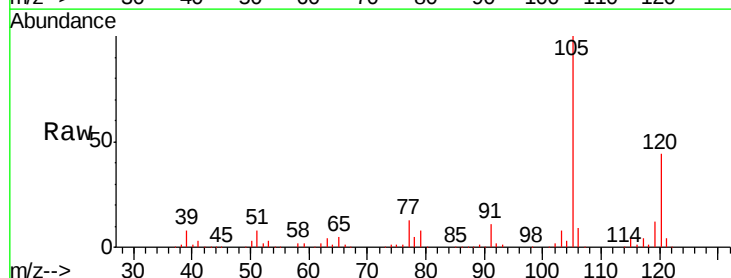
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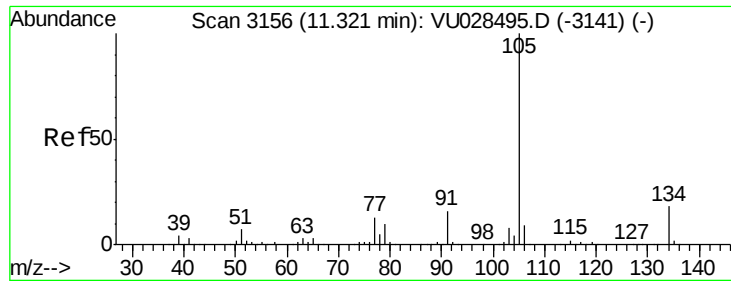
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#84
1,2,4-Trimethylbenzene
Concen: 51.504 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU028762.D
Acq: 18 Dec 2018 08:48

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	210172		
120	44.1	21.8	65.4	





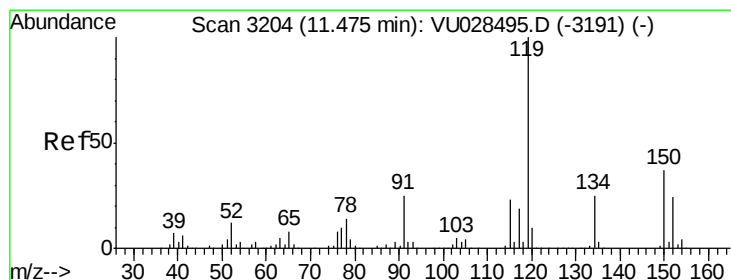
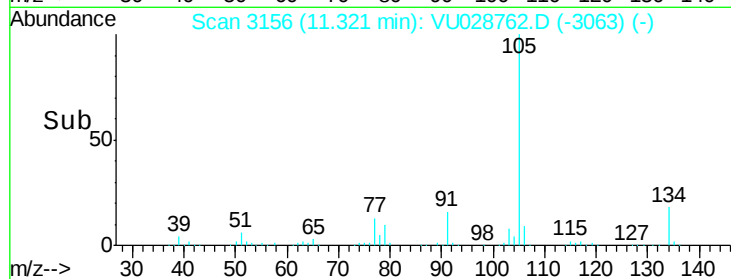
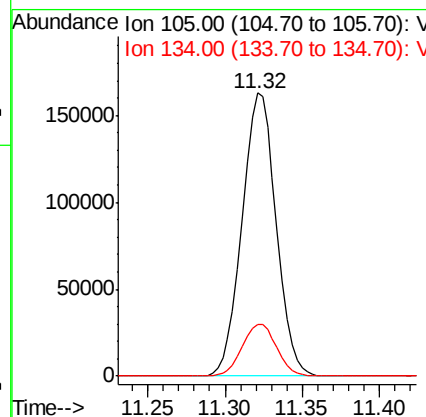
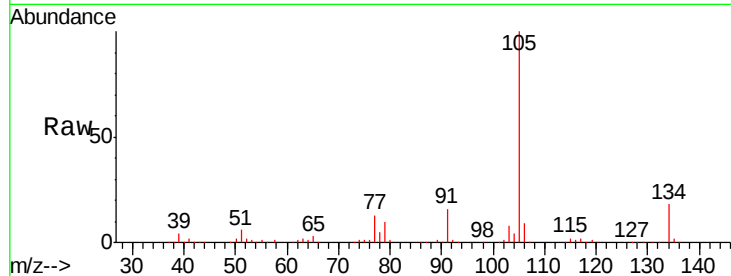
#85
 sec-Butylbenzene
 Concen: 50.794 ug/l
 RT: 11.32 min Scan# 3156
 Delta R.T. -0.00 min
 Lab File: VU028762.D
 Acq: 18 Dec 2018 08:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:105 Resp: 249039
 Ion Ratio Lower Upper
 105 100
 134 18.7 9.2 27.6

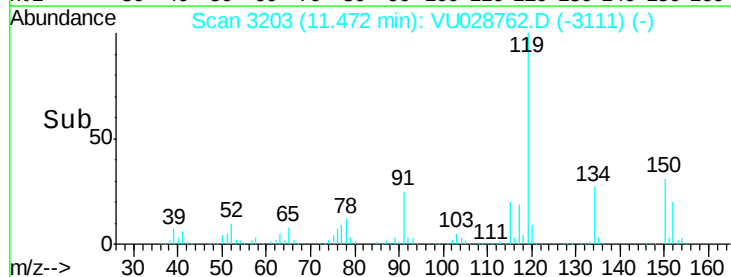
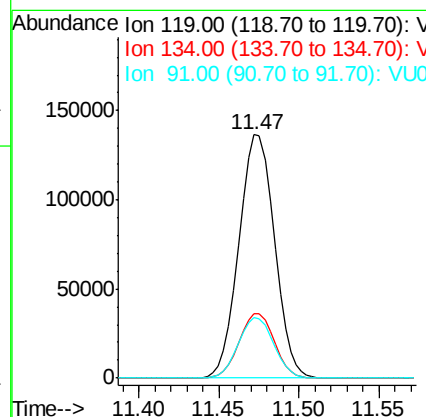
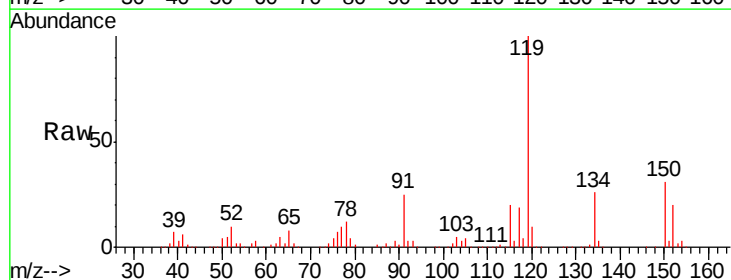
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#86
 p-Isopropyltoluene
 Concen: 49.539 ug/l
 RT: 11.47 min Scan# 3203
 Delta R.T. -0.00 min
 Lab File: VU028762.D
 Acq: 18 Dec 2018 08:48

Tgt Ion:119 Resp: 206324
 Ion Ratio Lower Upper
 119 100
 134 26.3 12.7 38.1
 91 24.9 12.6 37.6





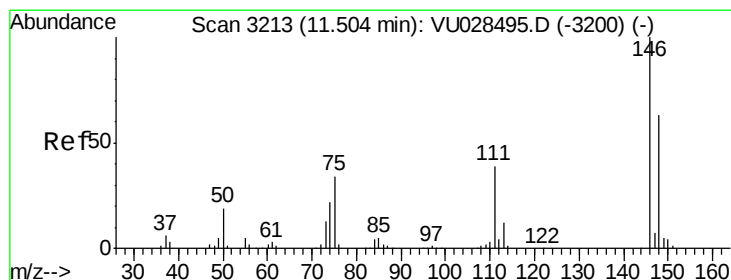
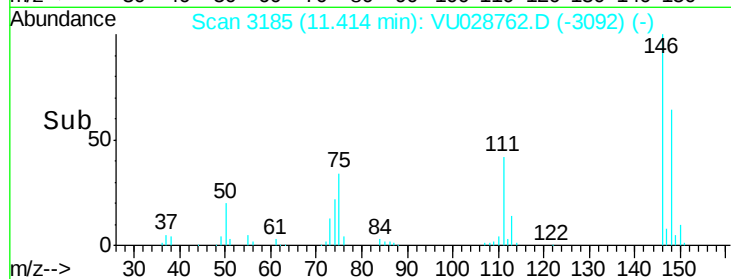
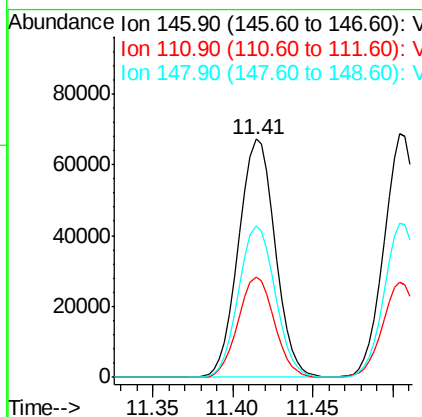
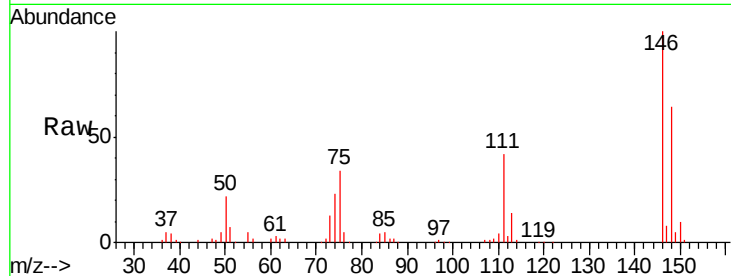
#87
 1,3-Dichlorobenzene
 Concen: 49.753 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. -0.00 min
 Lab File: VU028762.D
 Acq: 18 Dec 2018 08:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.7	62.1
148	63.5	31.9	95.7

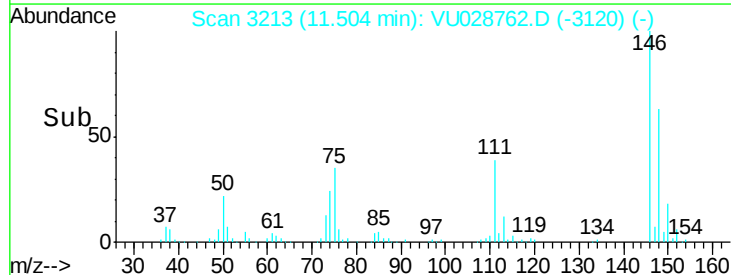
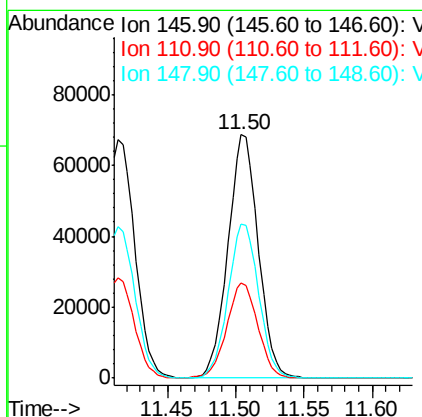
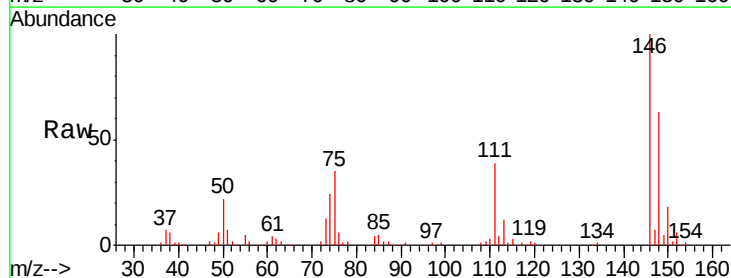
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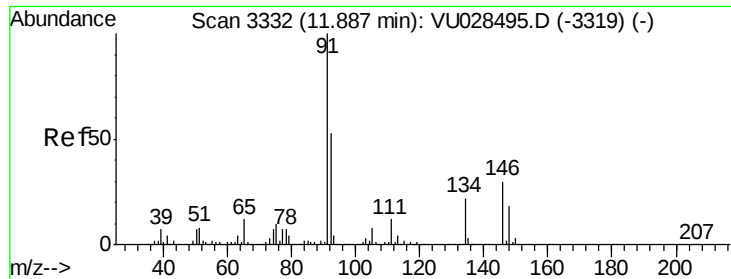
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#88
 1,4-Dichlorobenzene
 Concen: 48.545 ug/l
 RT: 11.50 min Scan# 3213
 Delta R.T. -0.00 min
 Lab File: VU028762.D
 Acq: 18 Dec 2018 08:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.2	60.5
148	63.9	31.6	95.0





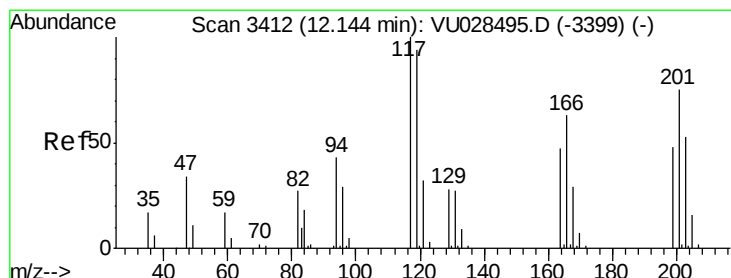
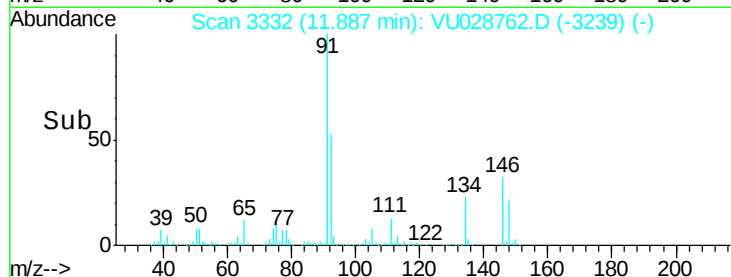
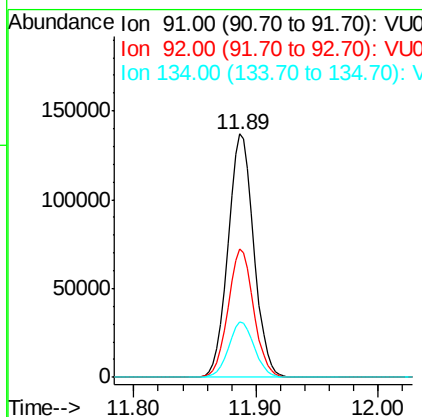
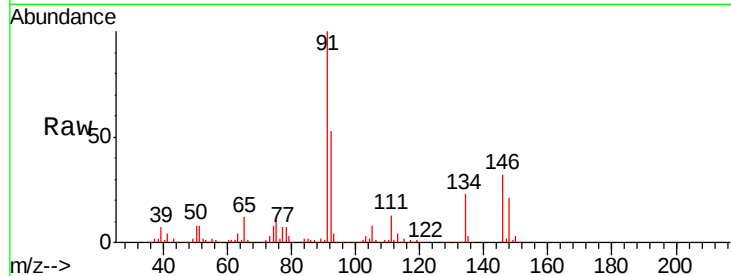
#89
n-Butylbenzene
Concen: 48.009 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VU028762.D
Acq: 18 Dec 2018 08:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.3	78.9
134	22.6	11.3	33.8

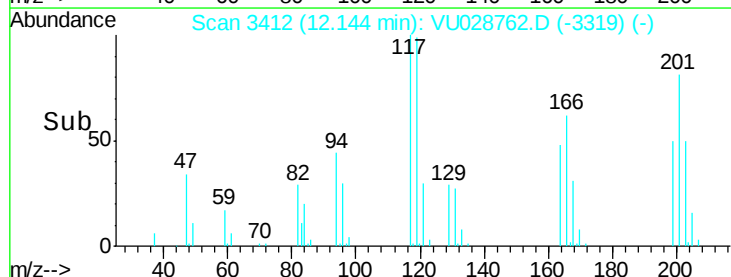
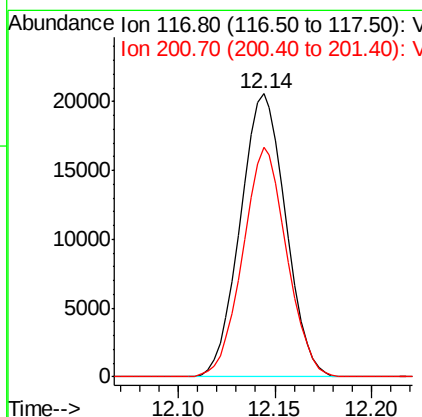
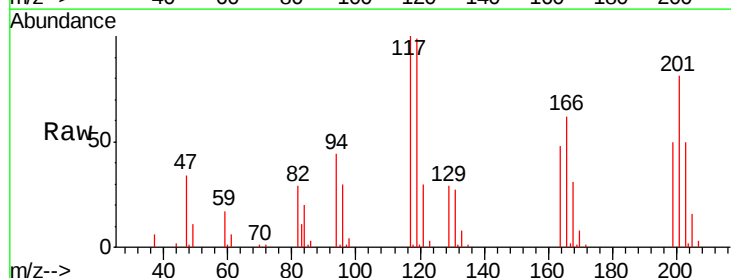
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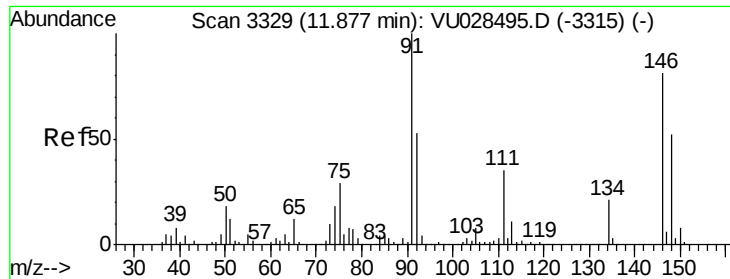
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#90
Hexachloroethane
Concen: 53.372 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028762.D
Acq: 18 Dec 2018 08:48

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.2	38.1	114.5





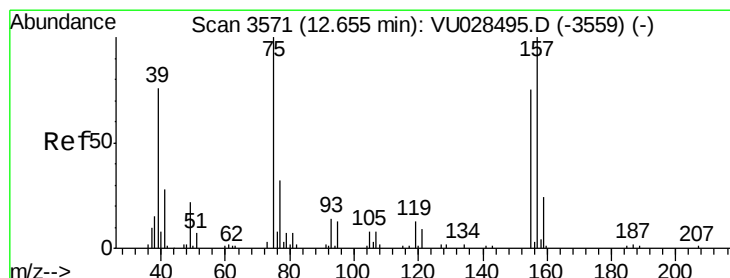
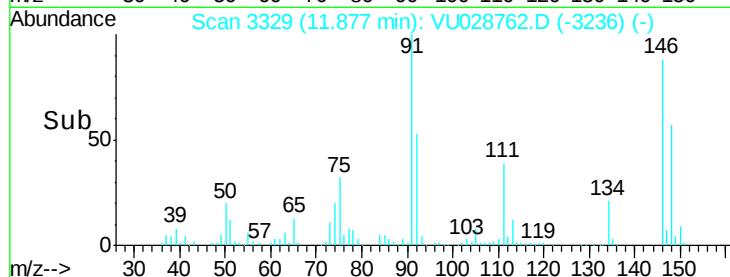
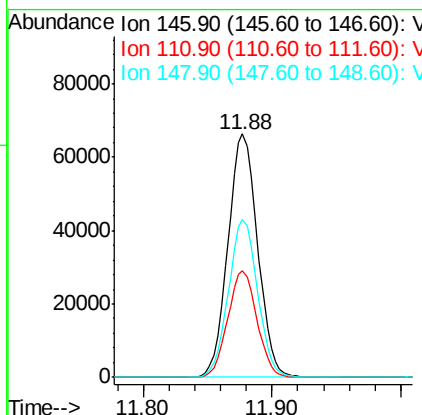
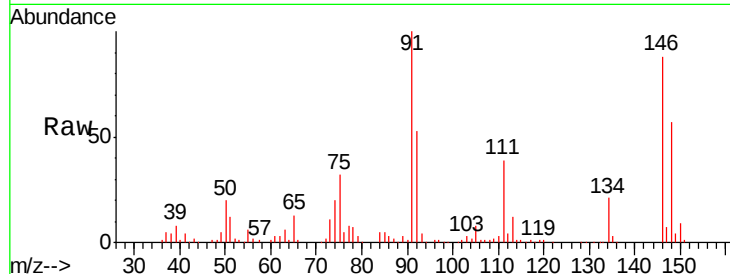
#91
 1,2-Dichlorobenzene
 Concen: 49.996 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU028762.D
 Acq: 18 Dec 2018 08:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	105643		
111	43.2	21.1	63.4	
148	63.9	31.4	94.2	

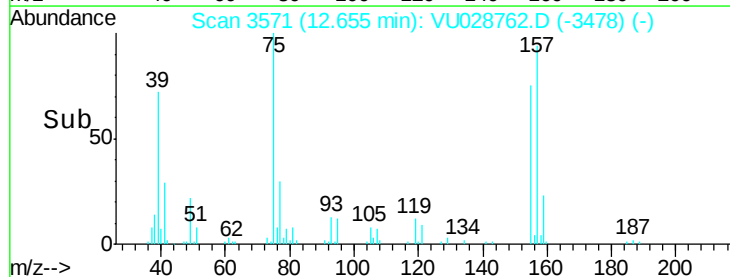
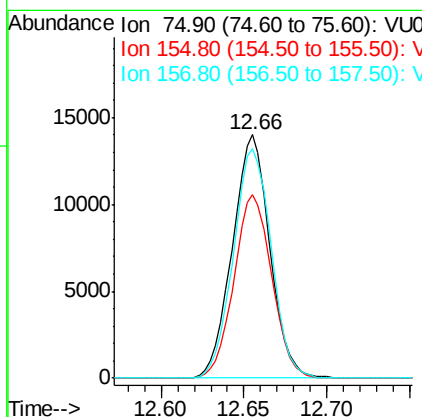
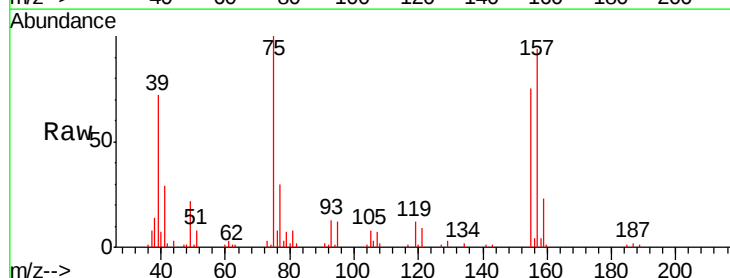
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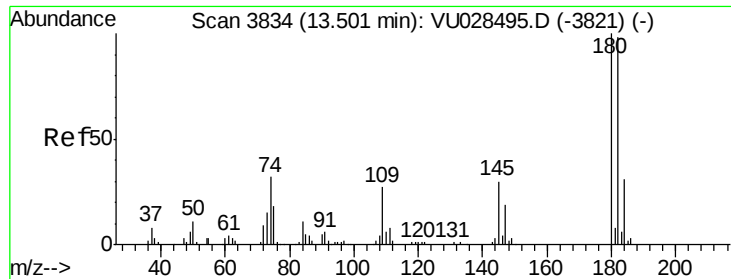
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.244 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU028762.D
 Acq: 18 Dec 2018 08:48

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	21977		
155	76.1	38.1	114.5	
157	95.5	48.7	146.1	





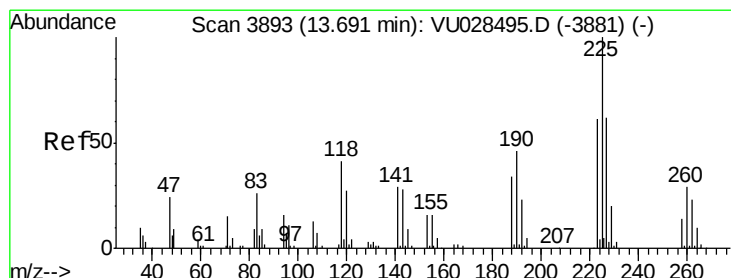
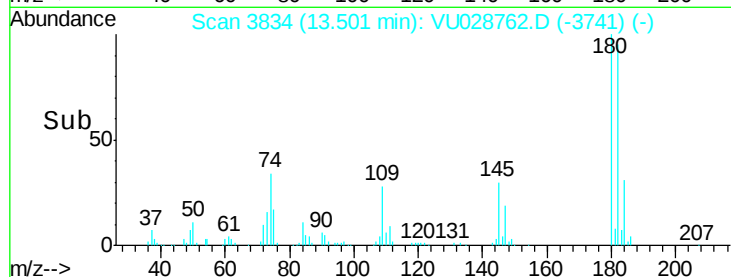
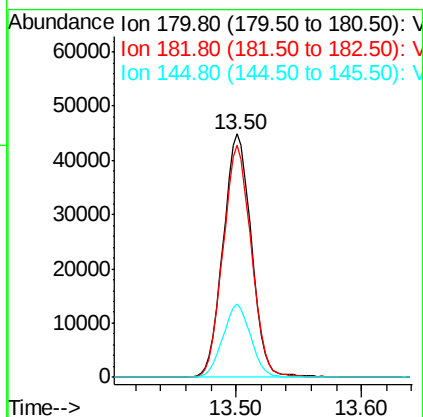
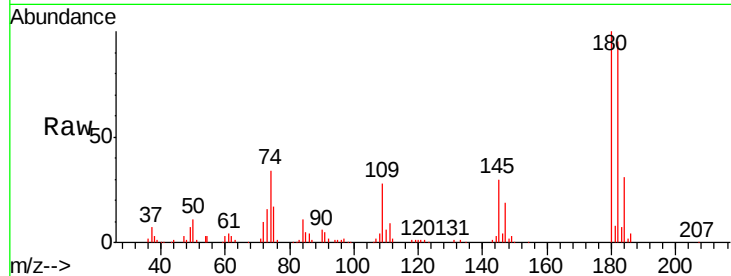
#93
 1,2,4-Trichlorobenzene
 Concen: 48.139 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. -0.00 min
 Lab File: VU028762.D
 Acq: 18 Dec 2018 08:48

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.9	143.8
145	29.4	15.0	45.1

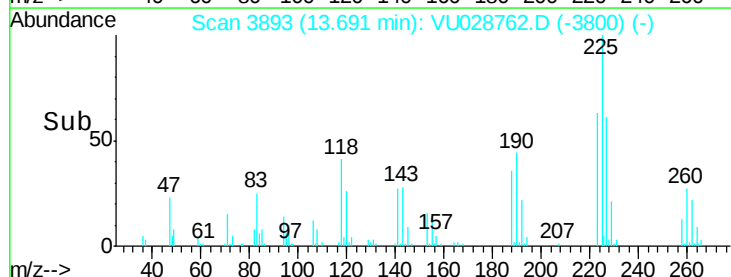
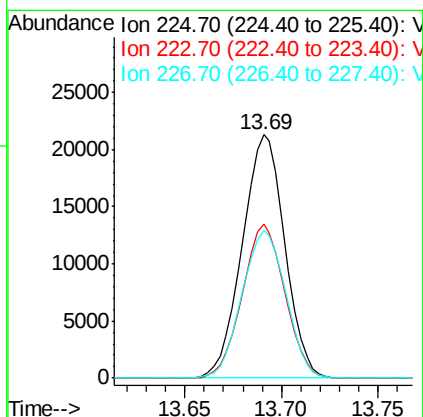
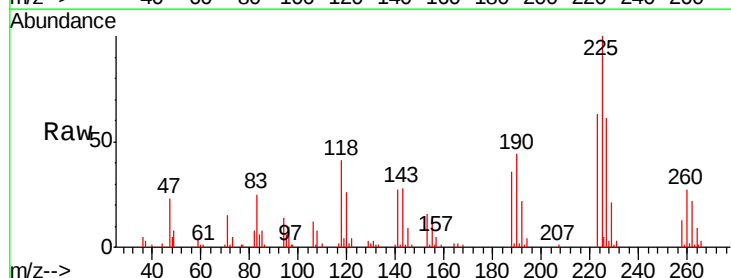
Manual Integrations
 APPROVED

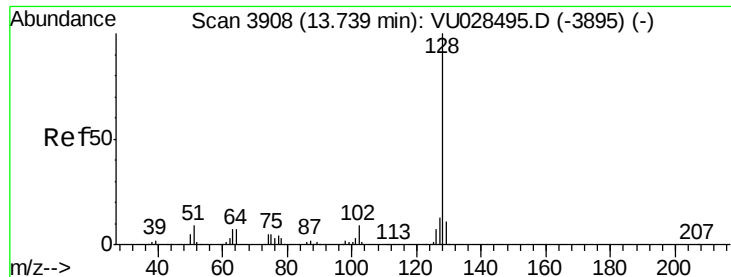
MMDadoda
 12/18/2018 12:55:37 PM



#94
 Hexachlorobutadiene
 Concen: 47.011 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. -0.00 min
 Lab File: VU028762.D
 Acq: 18 Dec 2018 08:48

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	30.4	91.2
227	62.6	30.7	92.1





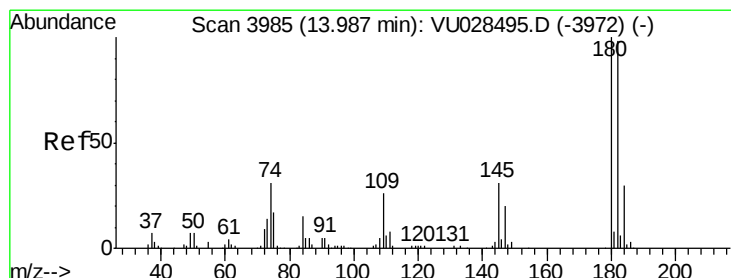
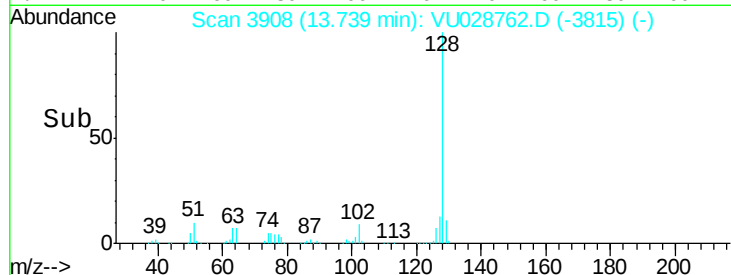
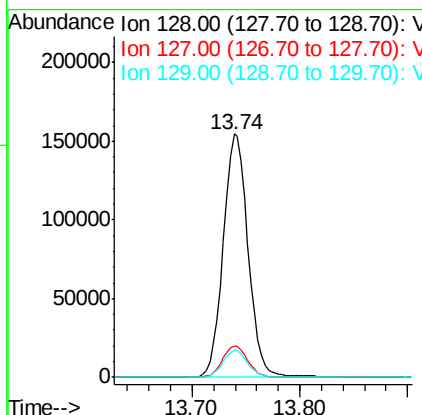
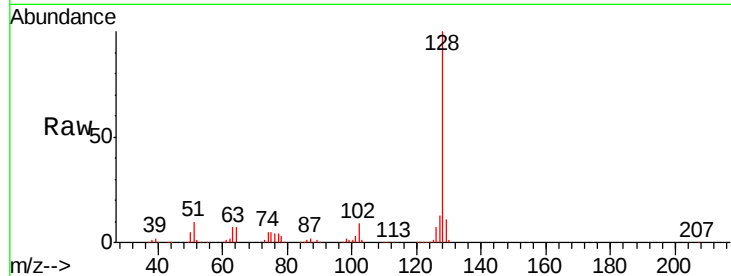
#95
Naphthalene
Concen: 48.845 ug/l
RT: 13.74 min Scan# 3908
Delta R.T. -0.00 min
Lab File: VU028762.D
Acq: 18 Dec 2018 08:48

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	247665		
127	13.1	10.4	15.6	
129	10.8	8.6	13.0	

Manual Integrations
APPROVED

MMDadoda
12/18/2018 12:55:37 PM



#96
1,2,3-Trichlorobenzene
Concen: 50.016 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028762.D
Acq: 18 Dec 2018 08:48

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	72279		
182	94.8	48.2	144.6	
145	30.8	15.8	47.3	

