

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121318\
 Data File : VU028635.D
 Acq On : 12 Dec 2018 02:30
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/12/2018 11:49:11 AM

Quant Time: Dec 12 06:01:49 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	108892	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	187971	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	176028	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	87133	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	77741	46.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.56%	
35) Dibromofluoromethane	4.88	113	59244	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	
50) Toluene-d8	7.56	98	236291	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	
62) 4-Bromofluorobenzene	10.30	95	87241	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	66321	45.439	ug/l	99
3) Chloromethane	1.33	50	110653	41.237	ug/l	99
4) Vinyl Chloride	1.40	62	90128	46.542	ug/l	97
5) Bromomethane	1.61	94	36992	47.422	ug/l	99
6) Chloroethane	1.68	64	50031	45.637	ug/l	95
7) Trichlorofluoromethane	1.88	101	95662	46.953	ug/l	99
8) Diethyl Ether	2.10	74	43752	45.900	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.28	101	58223	47.782	ug/l	100
10) Methyl Iodide	2.41	142	61118	63.924	ug/l	98
11) Tert butyl alcohol	2.83	59	90328	243.975	ug/l	99
12) 1,1-Dichloroethene	2.28	96	57529	47.451	ug/l	94
13) Acrolein	2.19	56	68816	233.158	ug/l	97
14) Allyl chloride	2.59	41	121595	42.396	ug/l	98
15) Acrylonitrile	2.93	53	255871	248.929	ug/l	98
16) Acetone	2.32	43	197894	182.496	ug/l	98
17) Carbon Disulfide	2.47	76	191545	43.856	ug/l	99
18) Methyl Acetate	2.61	43	148018	52.657	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	222128	48.330	ug/l	100
20) Methylene Chloride	2.70	84	72118	45.115	ug/l	96
21) trans-1,2-Dichloroethene	2.98	96	64427	47.198	ug/l	96
22) Diisopropyl ether	3.57	45	266088	47.708	ug/l	98
23) Vinyl Acetate	3.52	43	1114715	242.300	ug/l	99
24) 1,1-Dichloroethane	3.44	63	135424	46.385	ug/l	99
25) 2-Butanone	4.26	43	345784	233.337	ug/l	99
26) 2,2-Dichloropropane	4.22	77	90095	38.946	ug/l	98
27) cis-1,2-Dichloroethene	4.22	96	75536	48.890	ug/l	94
28) Bromochloromethane	4.55	49	64938	48.927	ug/l	99
29) Tetrahydrofuran	4.63	42	238248	250.329	ug/l	98
30) Chloroform	4.67	83	124008	48.734	ug/l	98
31) Cyclohexane	4.99	56	133544	46.796	ug/l	98
32) 1,1,1-Trichloroethane	4.91	97	101828	48.183	ug/l	99
36) 1,1-Dichloropropene	5.13	75	96506	46.917	ug/l	99
37) Ethyl Acetate	4.38	43	133232	50.106	ug/l	99
38) Carbon Tetrachloride	5.13	117	81371	49.081	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	119632	47.673	ug/l	97
40) Benzene	5.39	78	298175	49.219	ug/l	100
41) Methacrylonitrile	4.54	41	74381	51.079	ug/l	99
42) 1,2-Dichloroethane	5.40	62	99733	47.031	ug/l	100
43) Isopropyl Acetate	5.55	43	213319	50.721	ug/l	99
44) Trichloroethene	6.18	130	67526	50.130	ug/l	94
45) 1,2-Dichloropropane	6.43	63	86301	50.658	ug/l	97
46) Dibromomethane	6.56	93	50390	49.852	ug/l	97
47) Bromodichloromethane	6.76	83	96276	48.947	ug/l	99
48) Methyl methacrylate	6.62	41	109527	52.367	ug/l	97
49) 1,4-Dioxane	6.61	88	31166	943.718	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	680434	256.514	ug/l	99
52) Toluene	7.64	92	178320	50.015	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	113906	48.624	ug/l	97
54) cis-1,3-Dichloropropene	7.27	75	123063	48.420	ug/l	97
55) 1,1,2-Trichloroethane	8.06	97	71947	51.050	ug/l	96
56) Ethyl methacrylate	8.02	69	130421	54.039	ug/l	95
57) 1,3-Dichloropropane	8.24	76	130763	49.982	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.12	63	337964	273.395	ug/l	99
59) 2-Hexanone	8.36	43	527242	250.771	ug/l	97
60) Dibromochloromethane	8.48	129	69930	50.680	ug/l	98
61) 1,2-Dibromoethane	8.58	107	77398	52.369	ug/l	99
64) Tetrachloroethene	8.22	164	60557	51.575	ug/l	97
65) Chlorobenzene	9.12	112	185873	49.553	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	64909	54.190	ug/l	97
67) Ethyl Benzene	9.25	91	346147	50.199	ug/l	99
68) m/p-Xylenes	9.37	106	251171	100.104	ug/l	99
69) o-Xylene	9.78	106	124182	50.929	ug/l	99
70) Styrene	9.79	104	206484	51.170	ug/l	99
71) Bromoform	9.96	173	54536	53.521	ug/l #	99
73) Isopropylbenzene	10.16	105	328913	49.194	ug/l	100
74) N-amyl acetate	10.01	43	196216	50.877	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	131883	51.348	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	116530m	52.374	ug/l	
77) Bromobenzene	10.45	156	78463	50.178	ug/l	97
78) n-propylbenzene	10.58	91	400745	48.236	ug/l	100
79) 2-Chlorotoluene	10.66	91	236017	49.318	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	277696	50.176	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	40545m	44.858	ug/l	
82) 4-Chlorotoluene	10.77	91	270711	47.736	ug/l	100
83) tert-Butylbenzene	11.10	119	265153	49.705	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	283401	49.687	ug/l	99
85) sec-Butylbenzene	11.32	105	337681	49.274	ug/l	100
86) p-Isopropyltoluene	11.48	119	286737	49.255	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	140310	47.520	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	142441	46.628	ug/l	99
89) n-Butylbenzene	11.89	91	280999	47.695	ug/l	99
90) Hexachloroethane	12.14	117	43034	48.908	ug/l	96
91) 1,2-Dichlorobenzene	11.88	146	143877	48.714	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	29351	52.785	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	96905	47.786	ug/l	100
94) Hexachlorobutadiene	13.69	225	44346	45.837	ug/l	97
95) Naphthalene	13.74	128	353267	49.846	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	101890	50.442	ug/l	99

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

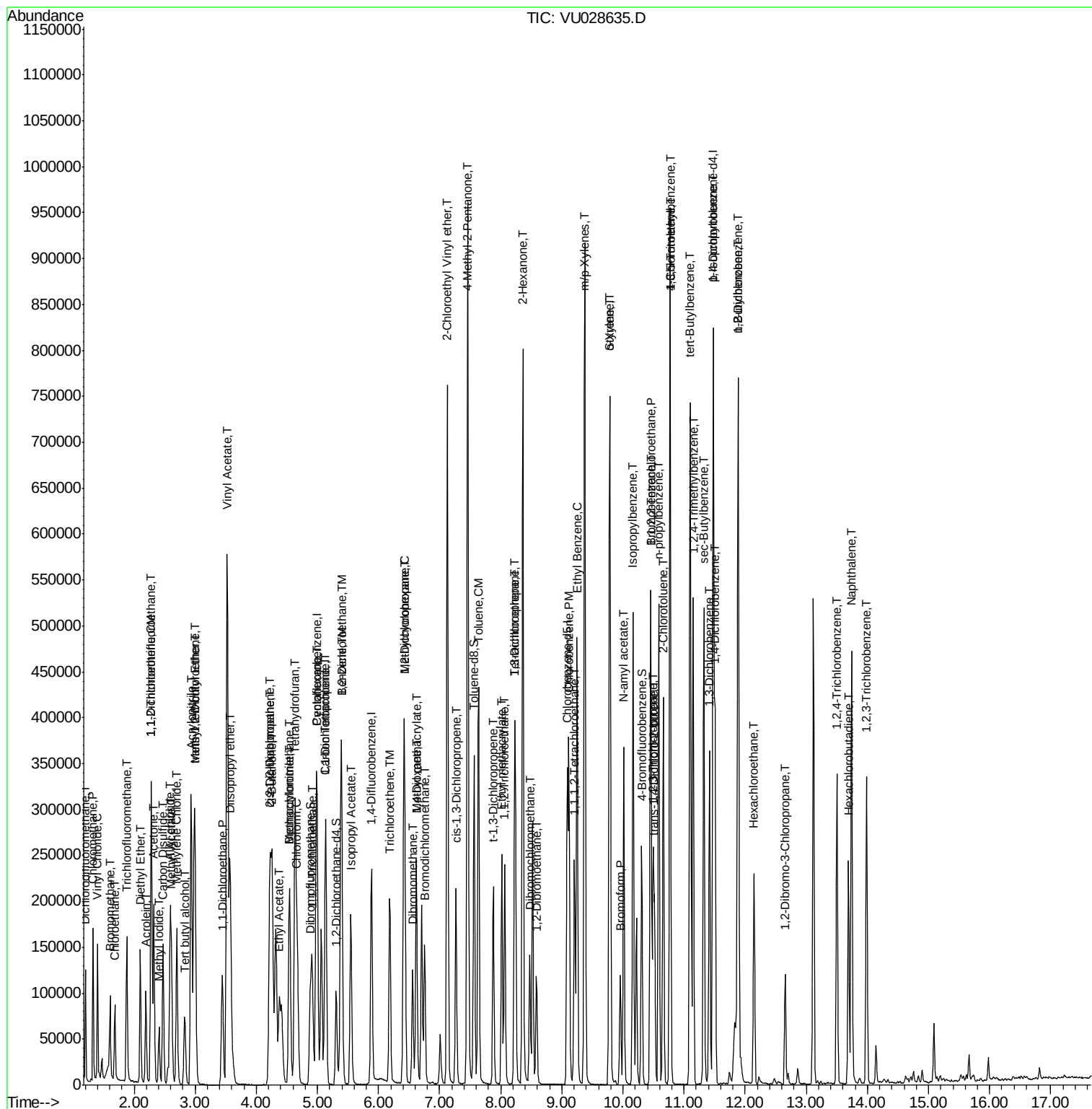
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU121318\
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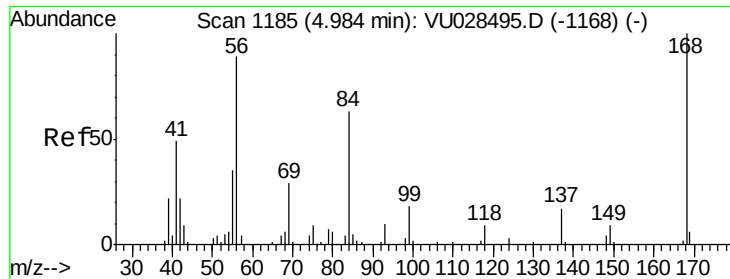
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VU028635.D

Acq: 12 Dec 2018 02:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 108892

Ion Ratio Lower Upper

168 100

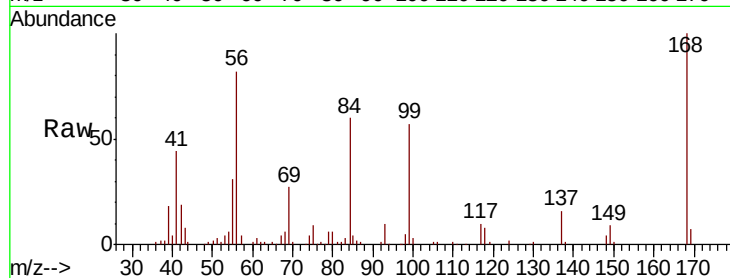
99 57.3 46.6 69.8

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

50000

40000

30000

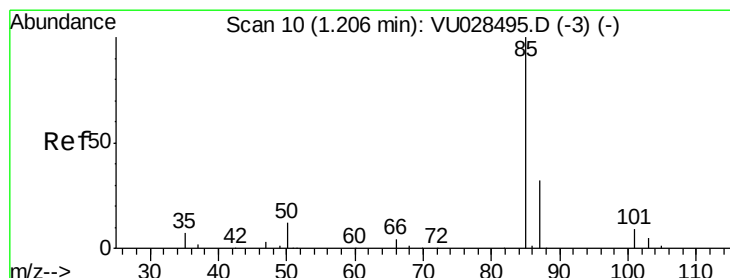
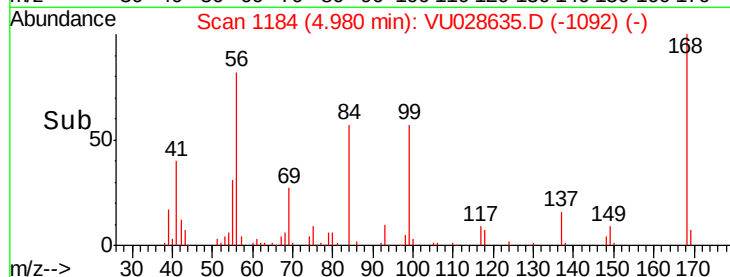
20000

10000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 45.439 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU028635.D

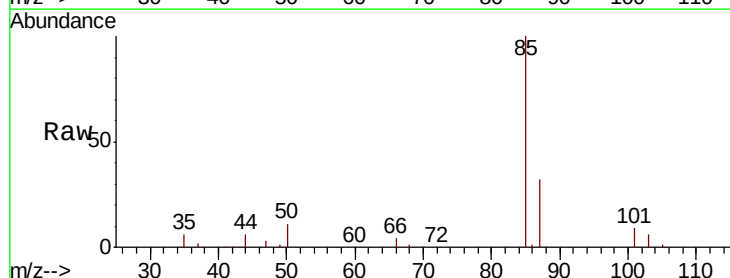
Acq: 12 Dec 2018 02:30

Tgt Ion: 85 Resp: 66321

Ion Ratio Lower Upper

85 100

87 32.2 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

80000

60000

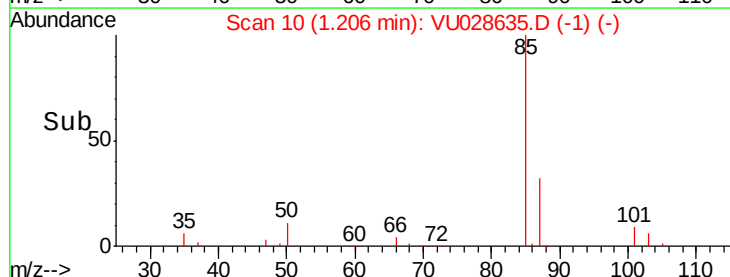
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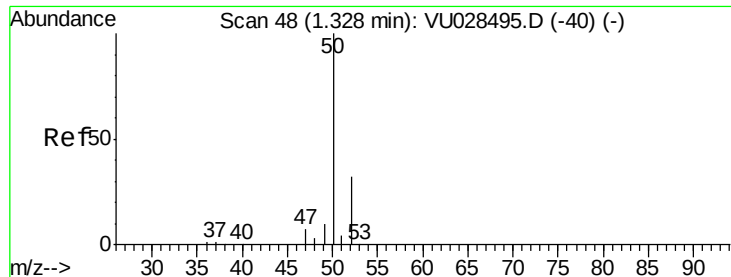
20000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 41.237 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028635.D

Acq: 12 Dec 2018 02:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 110653

Ion Ratio Lower Upper

50 100

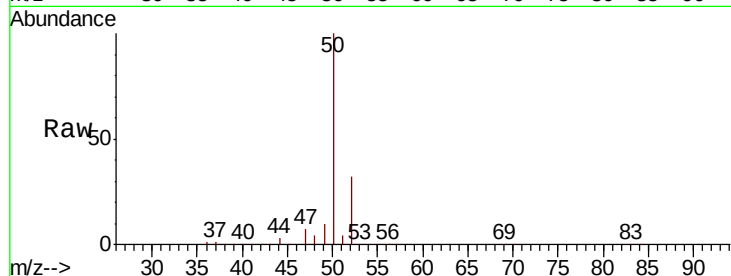
52 32.3 25.5 38.3

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0

120000

100000

80000

60000

40000

20000

0

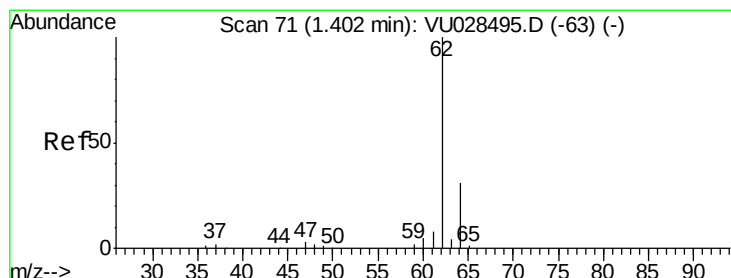
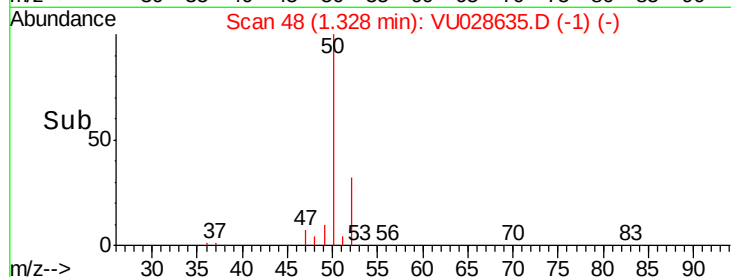
1.30

1.33

1.35

1.40

Time-->



#4

Vinyl Chloride

Concen: 46.542 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU028635.D

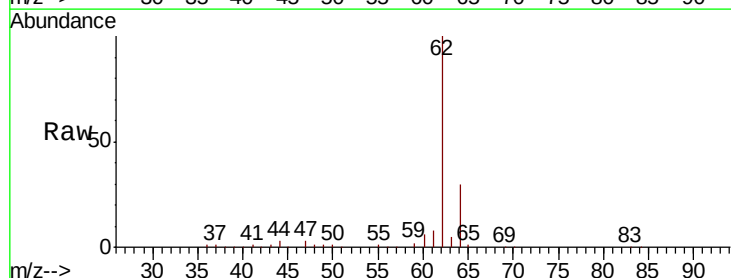
Acq: 12 Dec 2018 02:30

Tgt Ion: 62 Resp: 90128

Ion Ratio Lower Upper

62 100

64 29.8 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0

100000

80000

60000

40000

20000

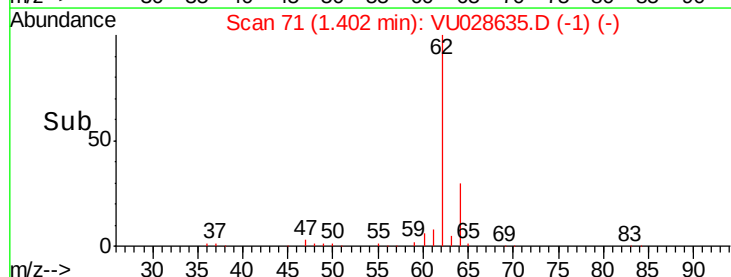
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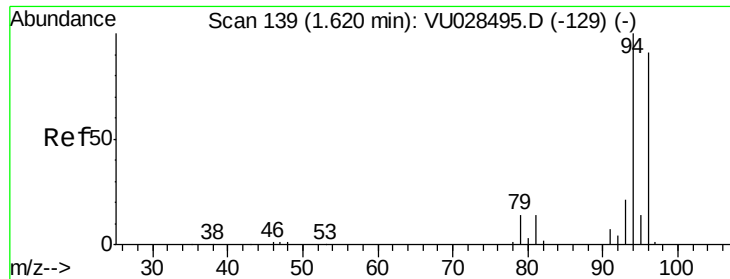
1.35

1.40

1.45

Time-->





#5

Bromomethane

Concen: 47.422 ug/l

RT: 1.61 min Scan# 135

Delta R.T. -0.01 min

Lab File: VU028635.D

Acq: 12 Dec 2018 02:30

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 36992

Ion Ratio Lower Upper

94 100

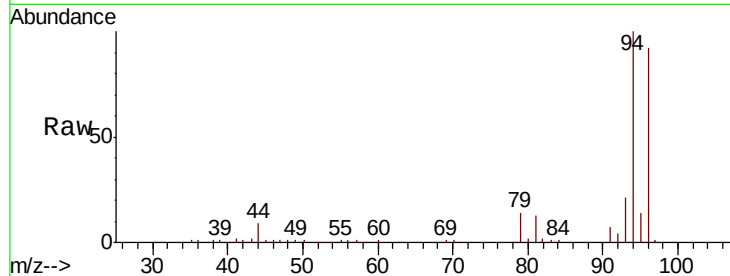
96 92.4 73.2 109.8

Manual Integrations

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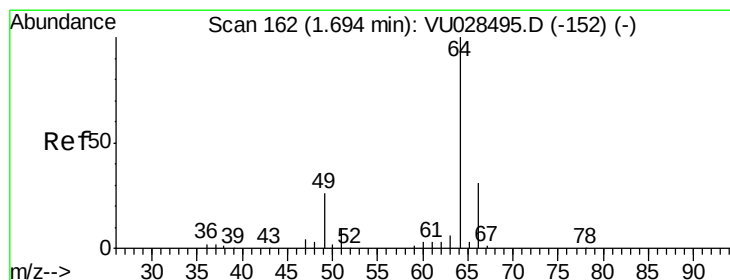
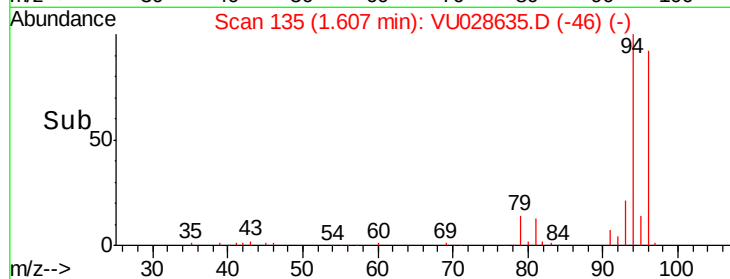
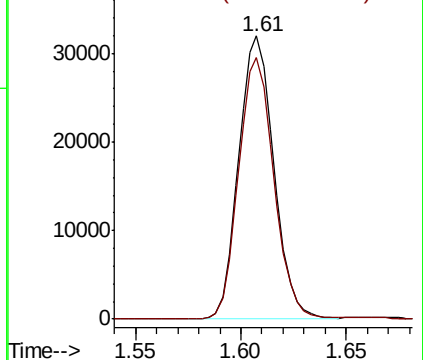
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 45.637 ug/l

RT: 1.68 min Scan# 159

Delta R.T. -0.01 min

Lab File: VU028635.D

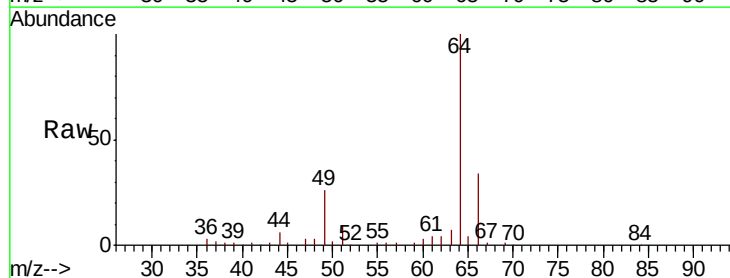
Acq: 12 Dec 2018 02:30

Tgt Ion: 64 Resp: 50031

Ion Ratio Lower Upper

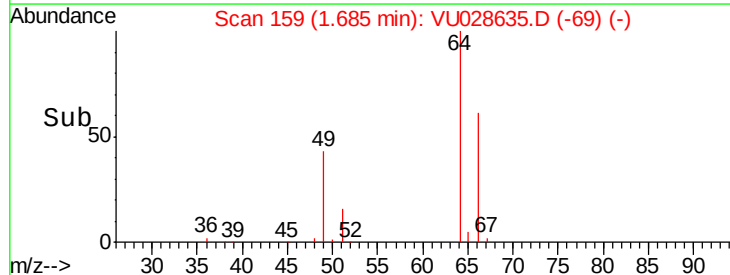
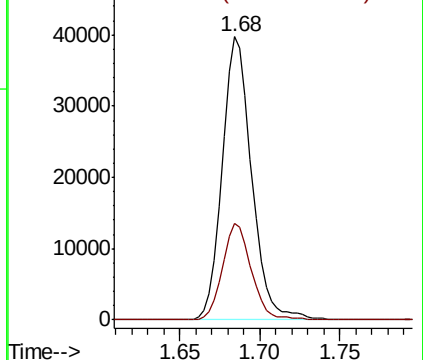
64 100

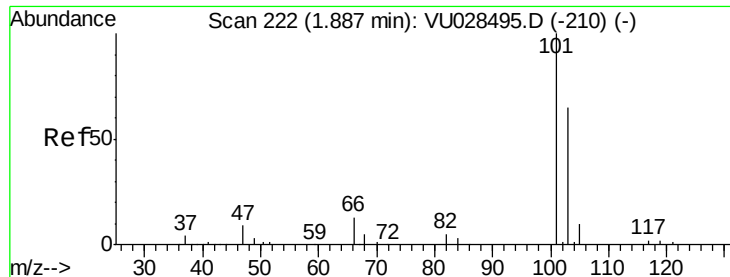
66 33.9 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

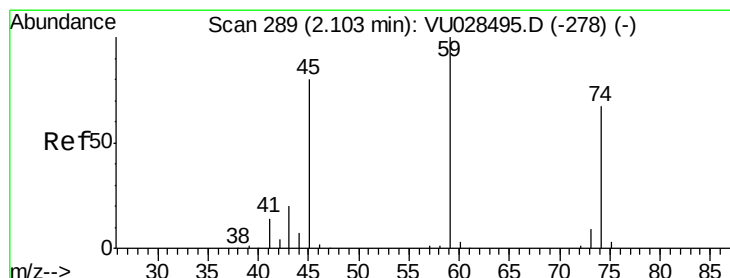
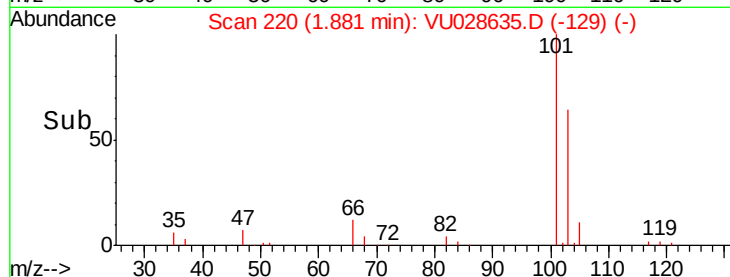
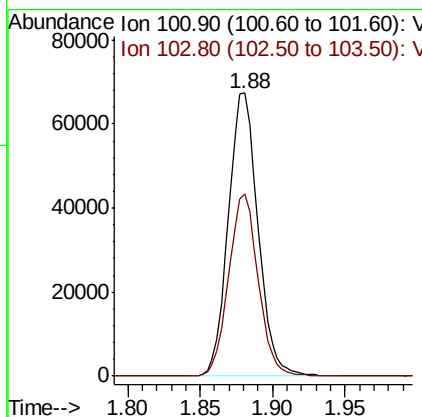
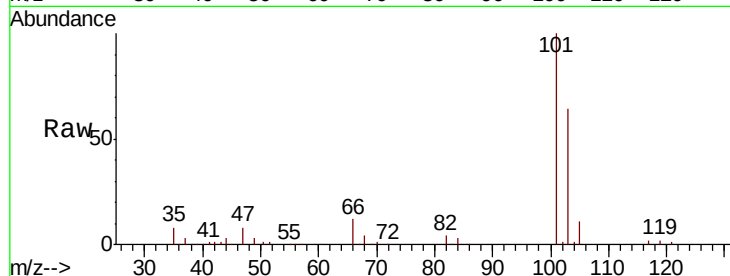
Trichlorofluoromethane
Concen: 46.953 ug/l
RT: 1.88 min Scan# 220
Delta R.T. -0.01 min
Lab File: VU028635.D
Acq: 12 Dec 2018 02:30

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Tot Ion:101 Resp: 95662
Ion Ratio Lower Upper
101 100
103 64.3 52.3 78.5

Manual Integrations
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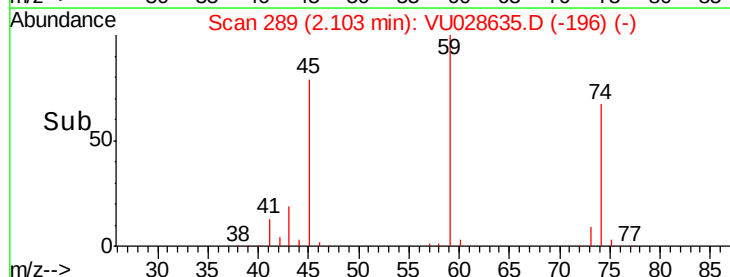
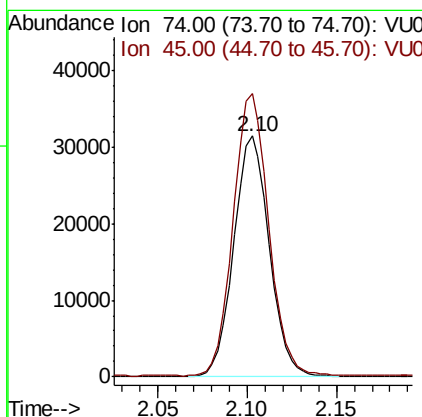
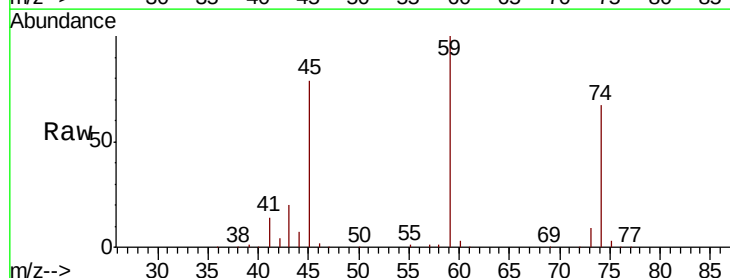
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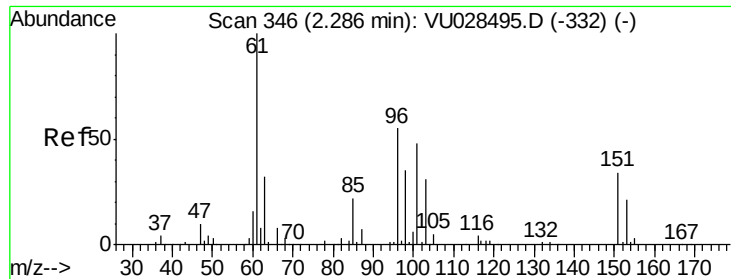


#8

Diethyl Ether
Concen: 45.900 ug/l
RT: 2.10 min Scan# 289
Delta R.T. -0.00 min
Lab File: VU028635.D
Acq: 12 Dec 2018 02:30

Tgt Ion: 74 Resp: 43752
Ion Ratio Lower Upper
74 100
45 116.6 59.7 179.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.782 ug/l

RT: 2.28 min Scan# 345

Delta R.T. -0.00 min

Lab File: VU028635.D

Acq: 12 Dec 2018 02:30

Instrument :

MSVOA_U

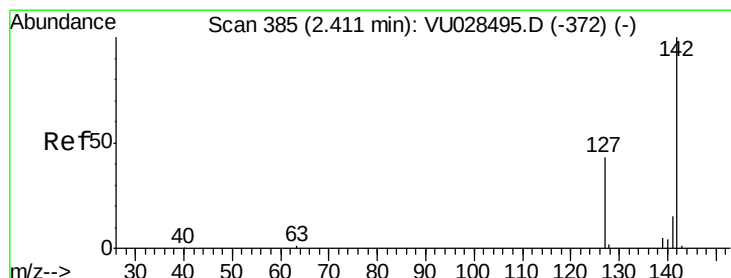
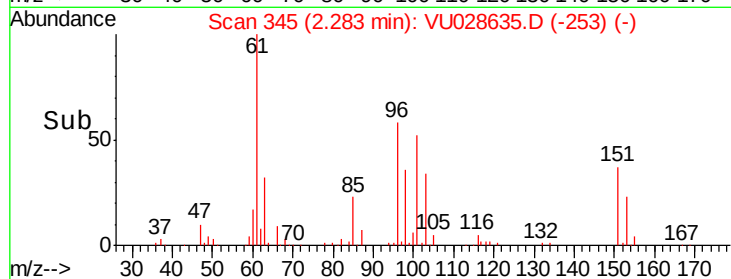
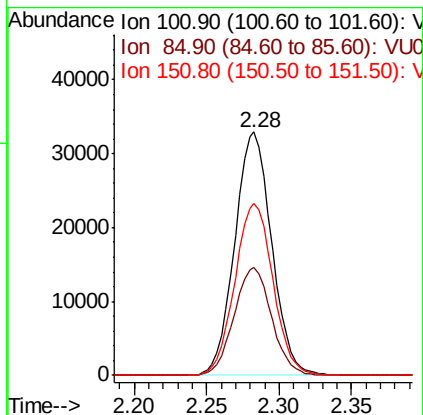
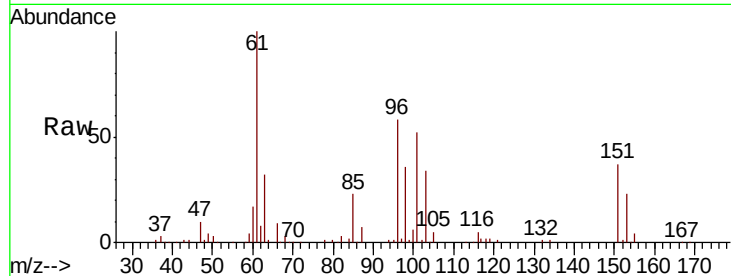
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	58223
Ion Ratio	Lower	Upper	
101	100		
85	44.9	36.4	54.6
151	72.9	58.2	87.2

Manual Integrations
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#10

Methyl Iodide

Concen: 63.924 ug/l

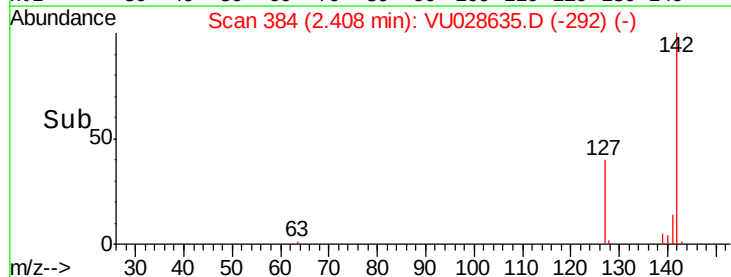
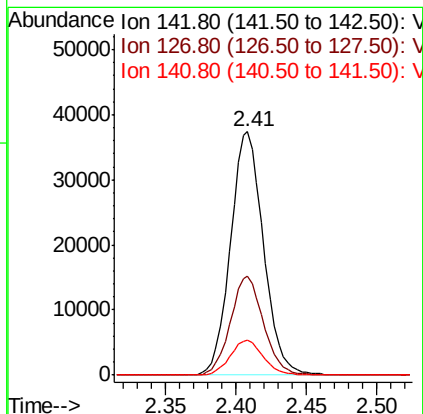
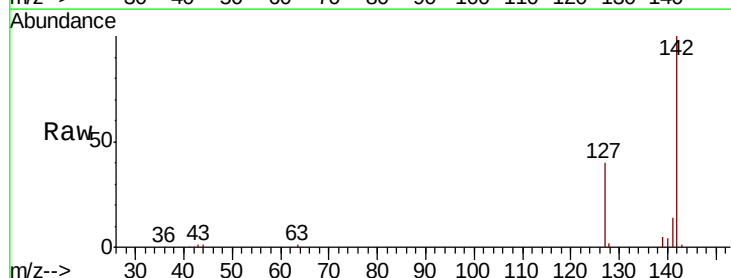
RT: 2.41 min Scan# 384

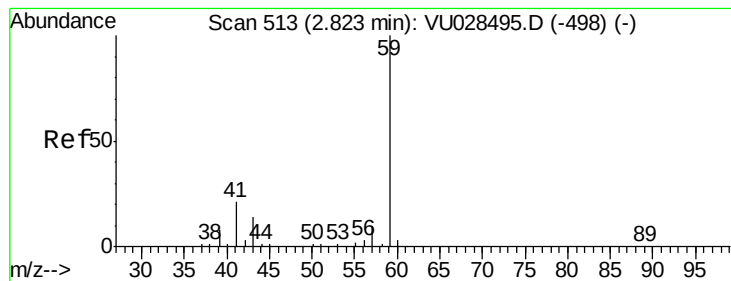
Delta R.T. -0.00 min

Lab File: VU028635.D

Acq: 12 Dec 2018 02:30

Tgt Ion:	142	Resp:	61118
Ion Ratio	Lower	Upper	
142	100		
127	40.6	33.5	50.3
141	14.4	11.2	16.8





#11

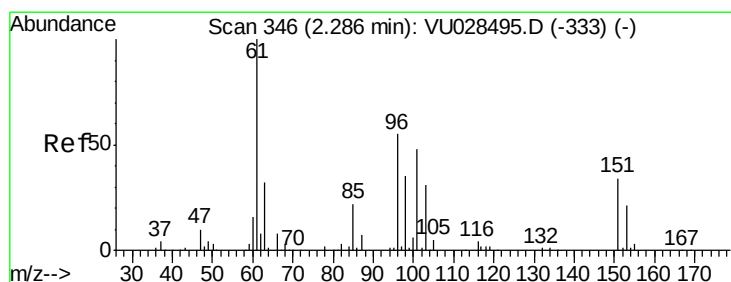
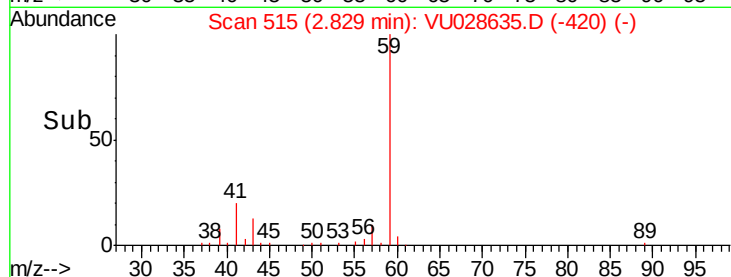
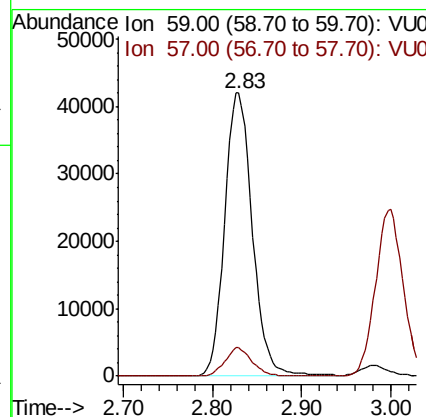
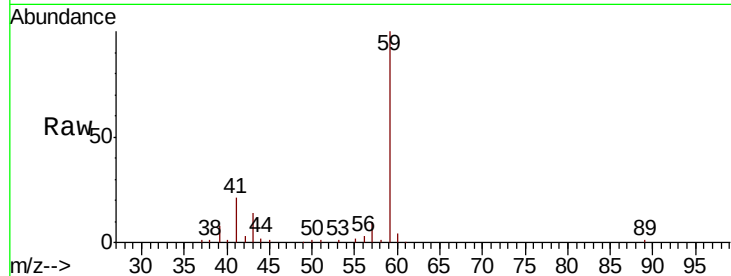
Tert butyl alcohol
Concen: 243.975 ug/l
RT: 2.83 min Scan# 515
Delta R.T. 0.01 min
Lab File: VU028635.D
Acq: 12 Dec 2018 02:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
59	100	90328		
57	9.8		8.0	12.0

Manual Integrations
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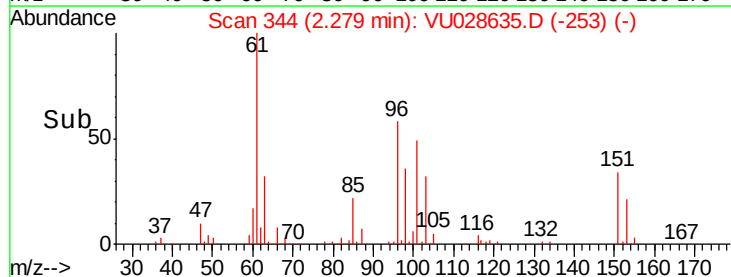
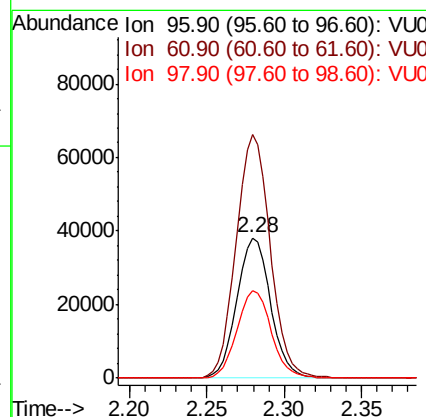
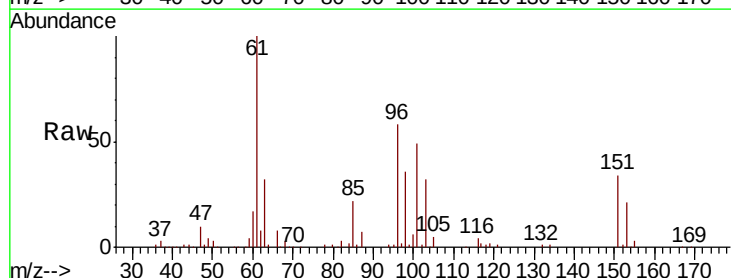
MMDadoda
12/12/2018 11:49:11 AM

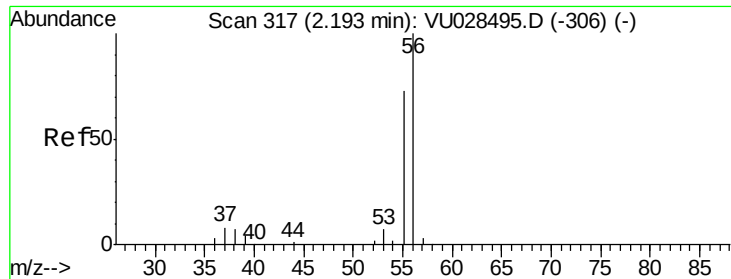


#12

1,1-Dichloroethene
Concen: 47.451 ug/l
RT: 2.28 min Scan# 344
Delta R.T. -0.01 min
Lab File: VU028635.D
Acq: 12 Dec 2018 02:30

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	57529		
61	173.9		146.4	219.6
98	62.3		51.8	77.8





#13

Acrolein

Concen: 233.158 ug/l

RT: 2.19 min Scan# 317

Delta R.T. -0.00 min

Lab File: VU028635.D

Acq: 12 Dec 2018 02:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 68816

Ion Ratio Lower Upper

56 100

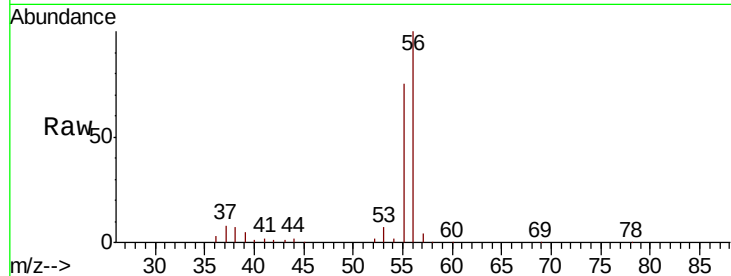
55 74.2 57.5 86.3

Manual Integrations

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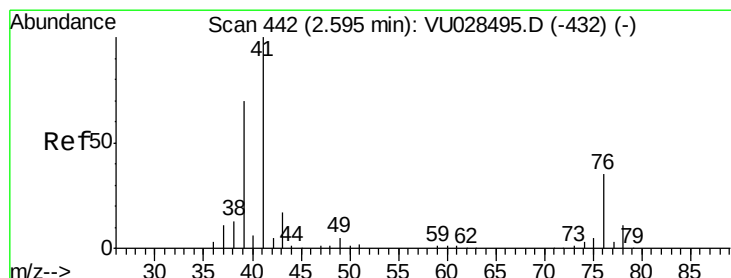
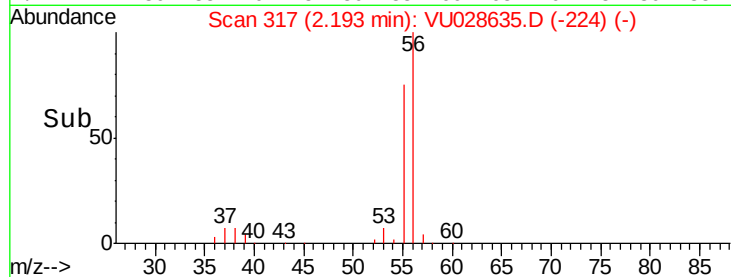
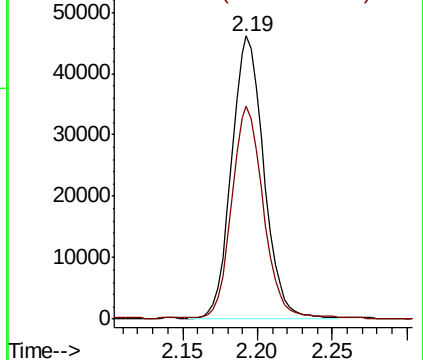
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 42.396 ug/l

RT: 2.59 min Scan# 441

Delta R.T. -0.00 min

Lab File: VU028635.D

Acq: 12 Dec 2018 02:30

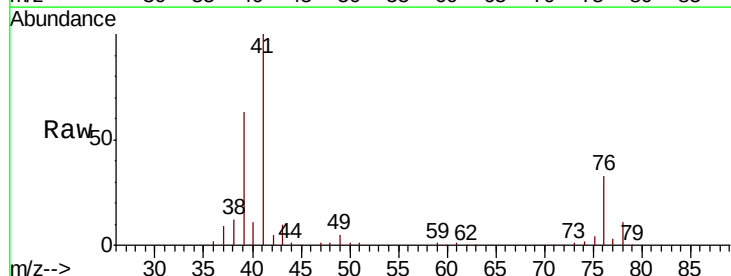
Tgt Ion: 41 Resp: 121595

Ion Ratio Lower Upper

41 100

39 64.9 50.8 76.2

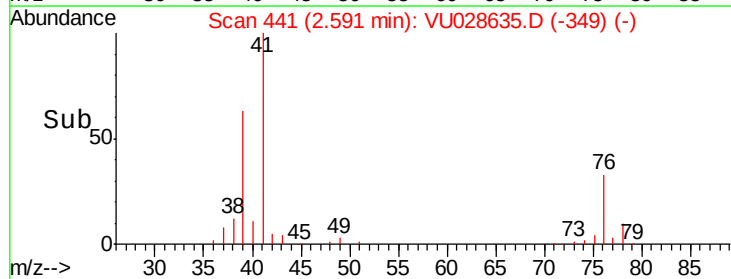
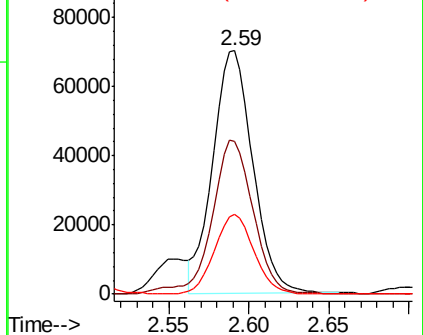
76 32.2 24.8 37.2

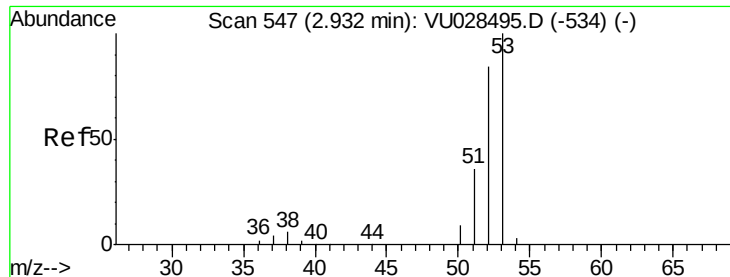


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 248.929 ug/l

RT: 2.93 min Scan# 547

Delta R.T. -0.00 min

Lab File: VU028635.D

Acq: 12 Dec 2018 02:30

Instrument :

MSVOA_U

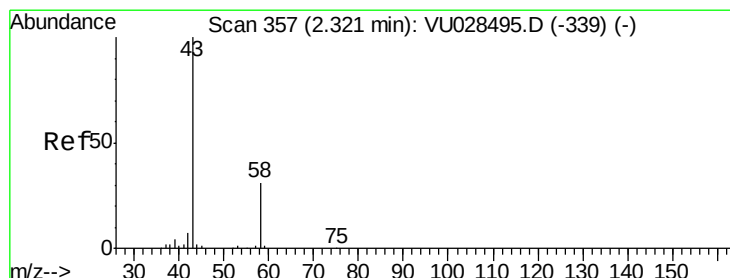
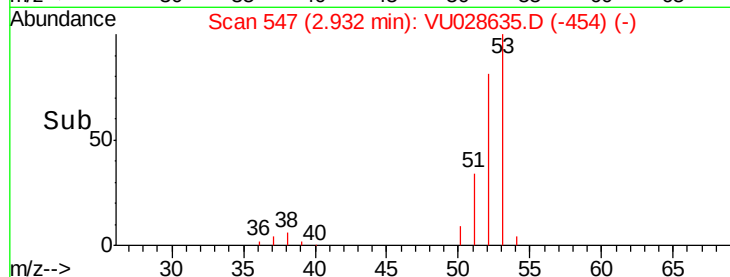
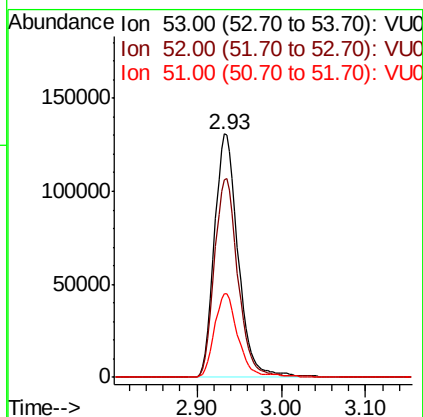
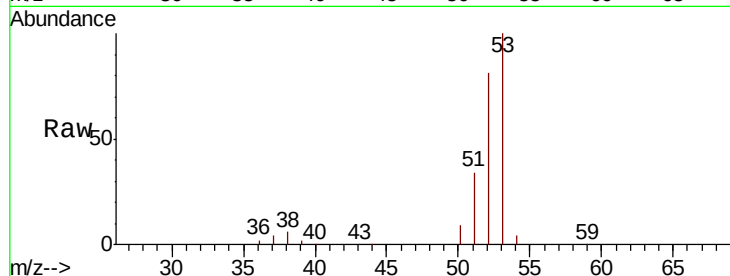
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	255871
Ion	Ratio	Lower	Upper
53	100		
52	81.0	66.1	99.1
51	34.5	28.1	42.1

Manual Integrations
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#16

Acetone

Concen: 182.496 ug/l

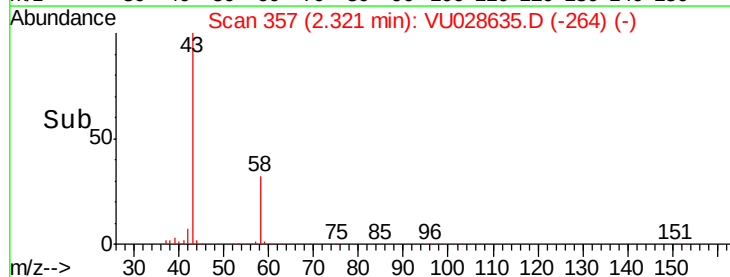
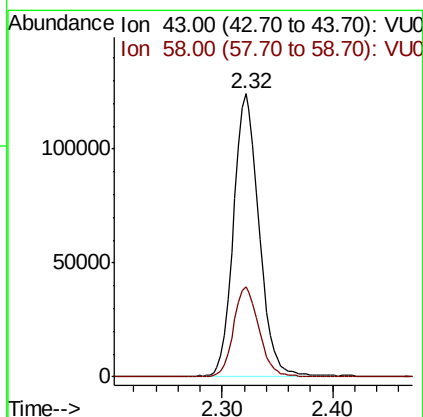
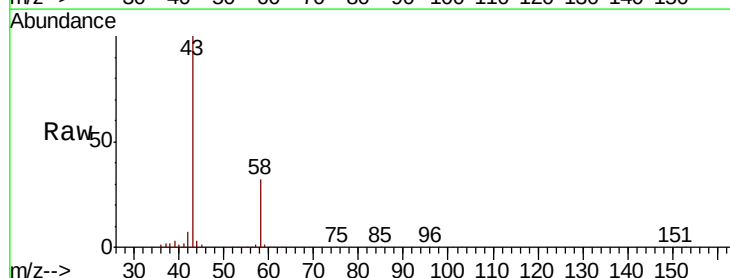
RT: 2.32 min Scan# 357

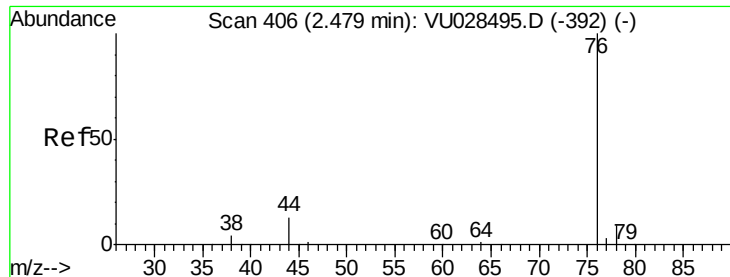
Delta R.T. -0.00 min

Lab File: VU028635.D

Acq: 12 Dec 2018 02:30

Tgt Ion:	43	Resp:	197894
Ion	Ratio	Lower	Upper
43	100		
58	31.8	24.6	37.0





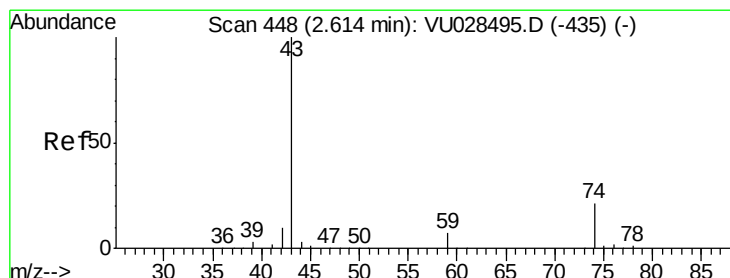
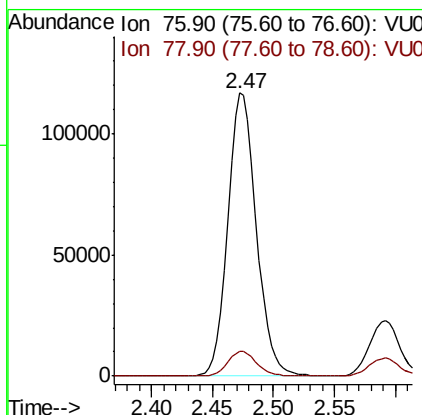
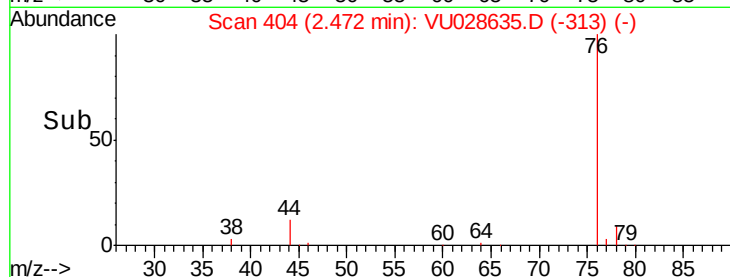
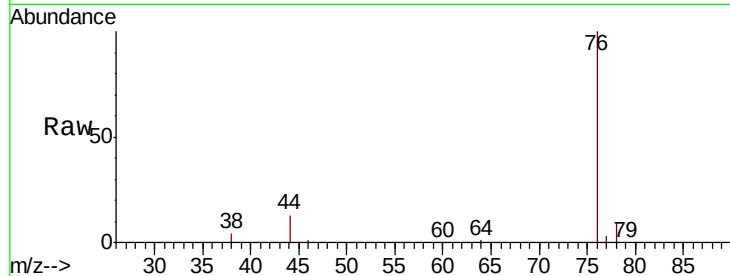
#17
Carbon Disulfide
Concen: 43.856 ug/l
RT: 2.47 min Scan# 404
Delta R.T. -0.01 min
Lab File: VU028635.D
Acq: 12 Dec 2018 02:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.2	10.8

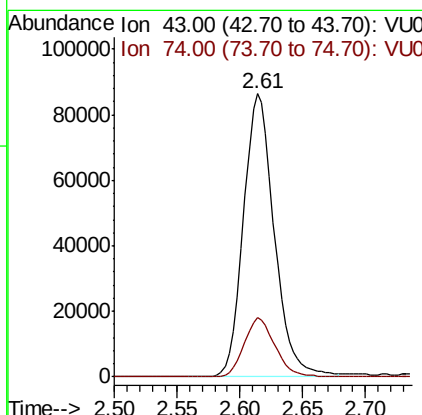
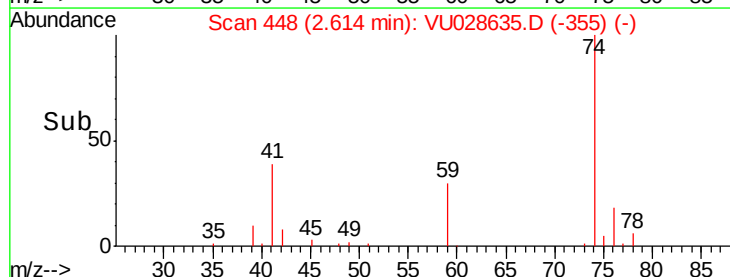
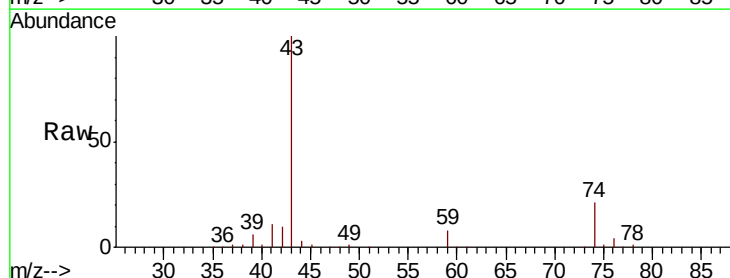
Manual Integrations
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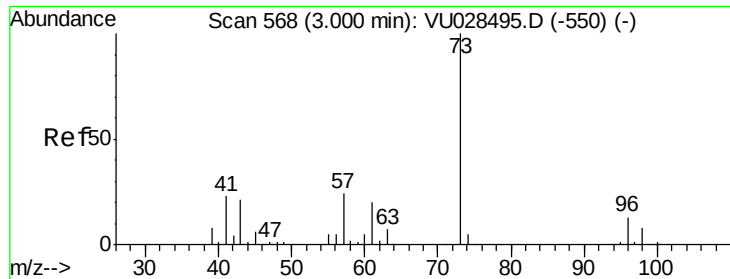
MMDadoda
12/12/2018 11:49:11 AM



#18
Methyl Acetate
Concen: 52.657 ug/l
RT: 2.61 min Scan# 448
Delta R.T. -0.00 min
Lab File: VU028635.D
Acq: 12 Dec 2018 02:30

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.1	16.4	24.6





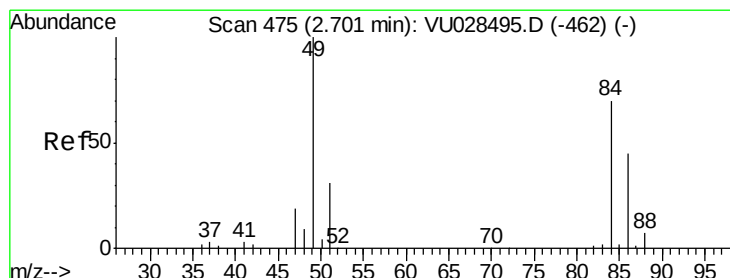
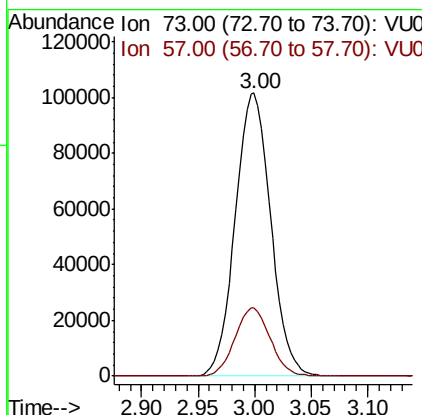
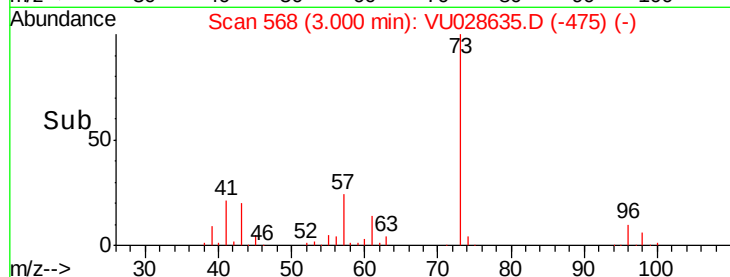
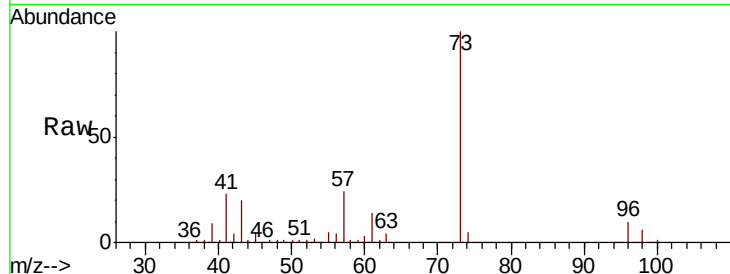
#19
Methyl tert-butyl Ether
Concen: 48.330 ug/l
RT: 3.00 min Scan# 568
Delta R.T. -0.00 min
Lab File: VU028635.D
Acq: 12 Dec 2018 02:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.3	19.4	29.2

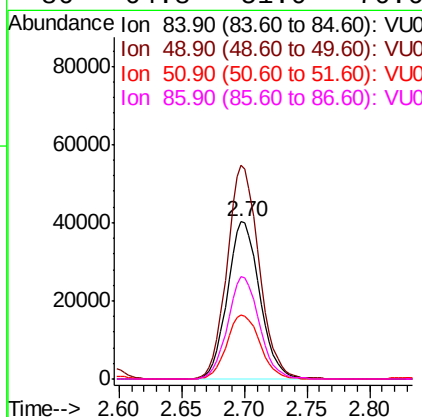
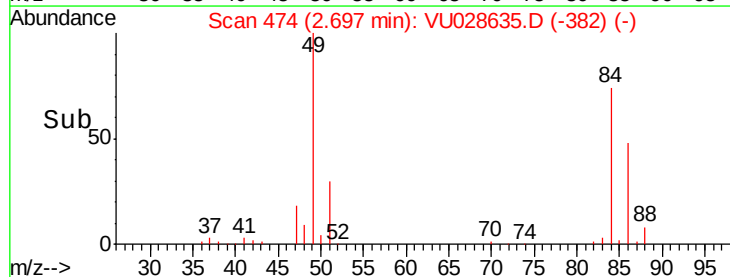
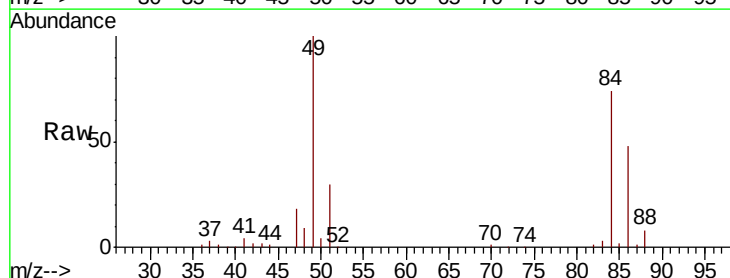
Manual Integrations
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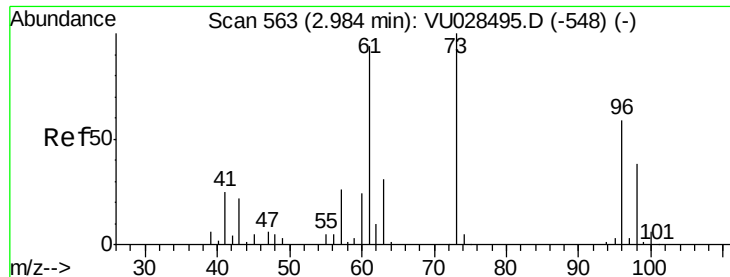
MMDadoda
12/12/2018 11:49:11 AM



#20
Methylene Chloride
Concen: 45.115 ug/l
RT: 2.70 min Scan# 474
Delta R.T. -0.00 min
Lab File: VU028635.D
Acq: 12 Dec 2018 02:30

Tgt Ion	Ratio	Lower	Upper
84	100		
49	135.8	114.0	171.0
51	40.7	35.1	52.7
86	64.8	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 47.198 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU028635.D

Acq: 12 Dec 2018 02:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 64427

Ion Ratio Lower Upper

96 100

61 153.7 127.0 190.4

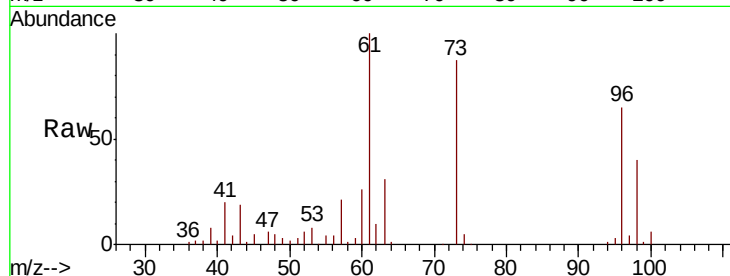
98 61.9 51.9 77.9

Manual Integrations

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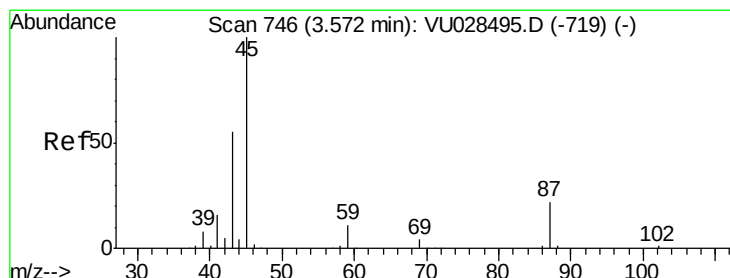
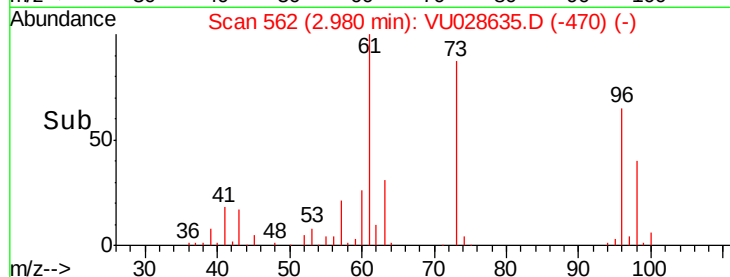
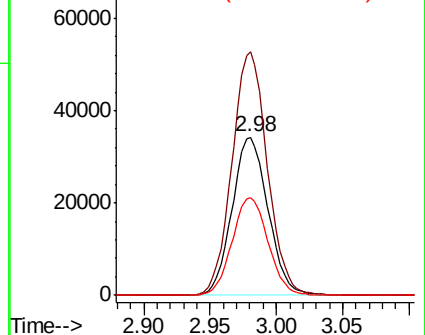
12/12/2018 11:49:11 AM



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

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

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



#22

Diisopropyl ether

Concen: 47.708 ug/l

RT: 3.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VU028635.D

Acq: 12 Dec 2018 02:30

Tgt Ion: 45 Resp: 266088

Ion Ratio Lower Upper

45 100

43 54.3 45.3 67.9

87 22.7 17.6 26.4

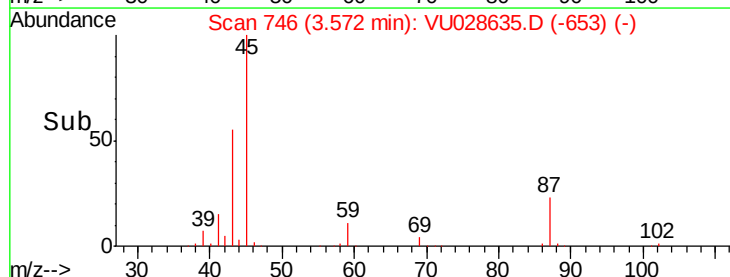
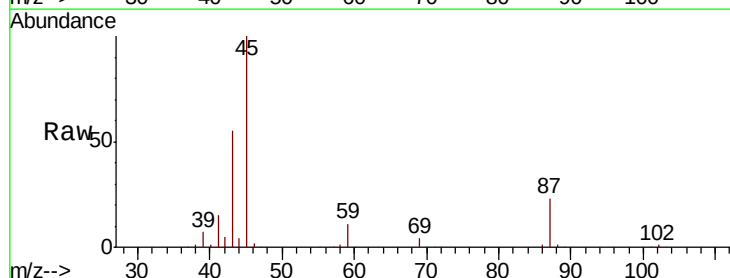
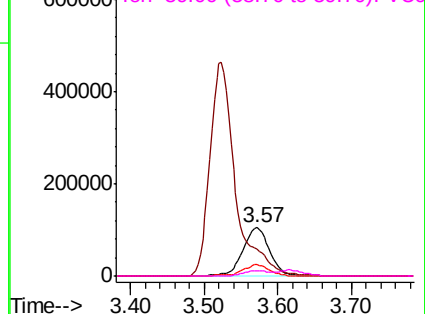
59 11.0 8.8 13.2

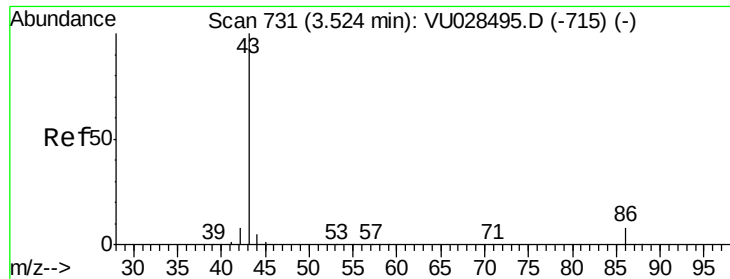
Abundance Ion 45.00 (44.70 to 45.70): VU028495.D (-719) (-)

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) (-)





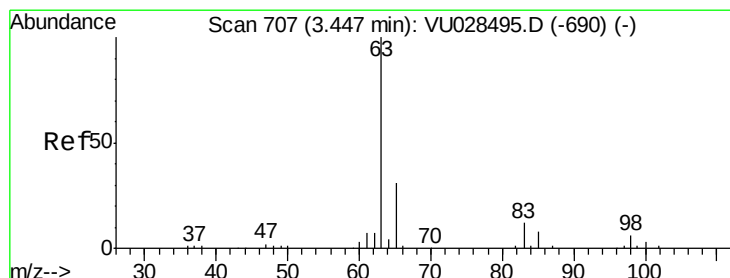
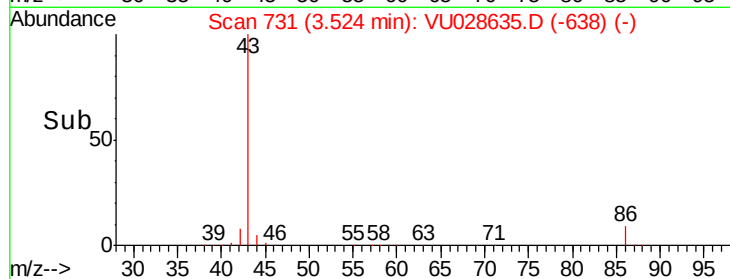
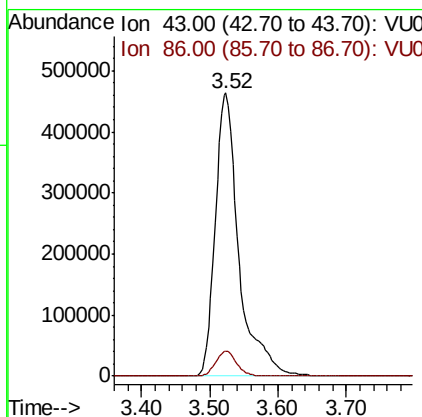
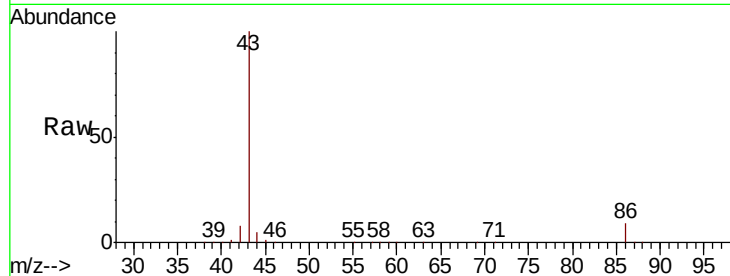
#23
 Vinyl Acetate
 Concen: 242.300 ug/l
 RT: 3.52 min Scan# 731
 Delta R.T. -0.00 min
 Lab File: VU028635.D
 Acq: 12 Dec 2018 02:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1114715
 Ion Ratio Lower Upper
 43 100
 86 8.9 6.8 10.2

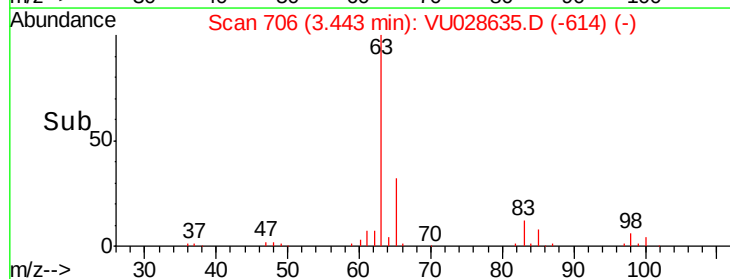
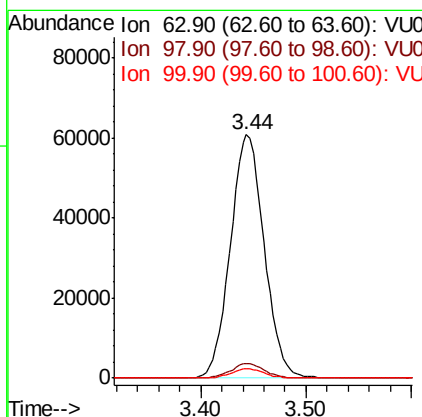
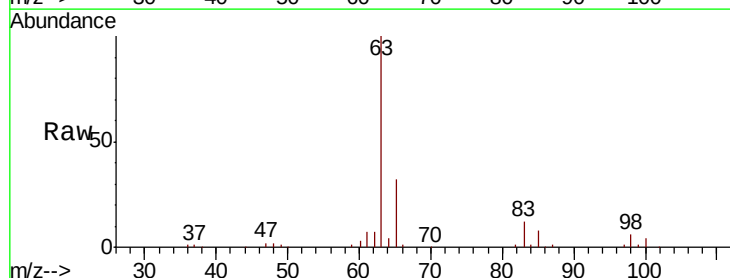
Manual Integrations
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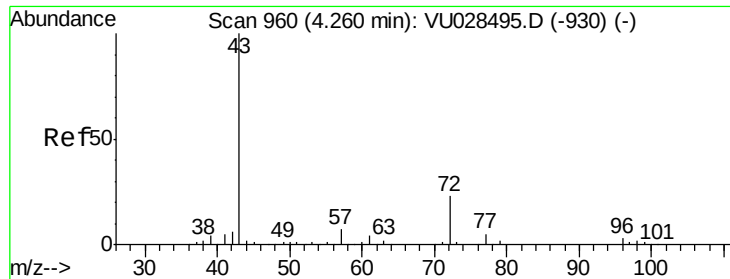
MMDadoda
 12/12/2018 11:49:11 AM



#24
 1,1-Dichloroethane
 Concen: 46.385 ug/l
 RT: 3.44 min Scan# 706
 Delta R.T. -0.00 min
 Lab File: VU028635.D
 Acq: 12 Dec 2018 02:30

Tgt Ion: 63 Resp: 135424
 Ion Ratio Lower Upper
 63 100
 98 5.9 3.0 9.2
 100 3.7 1.7 5.1





#25

2-Butanone

Concen: 233.337 ug/l

RT: 4.26 min Scan# 960

Delta R.T. -0.00 min

Lab File: VU028635.D

Acq: 12 Dec 2018 02:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 345784

Ion Ratio Lower Upper

43 100

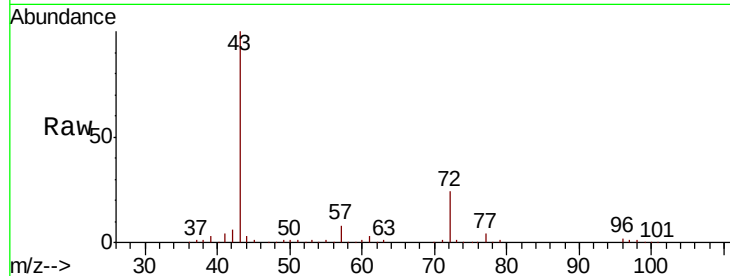
72 23.6 18.6 28.0

Manual Integrations

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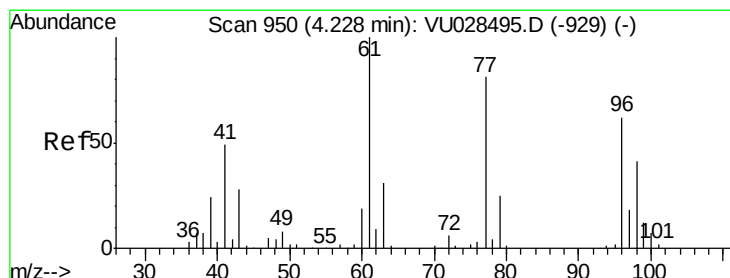
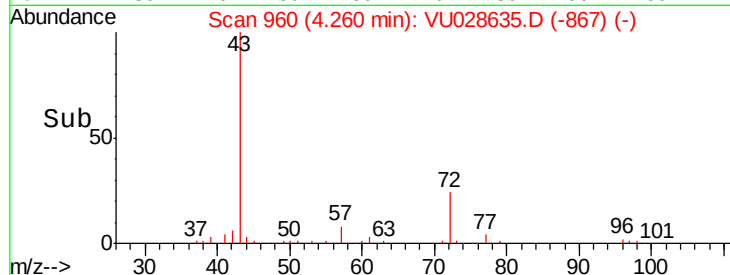
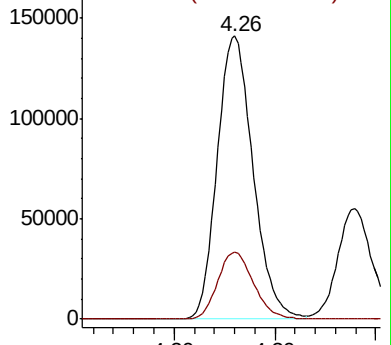
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 38.946 ug/l

RT: 4.22 min Scan# 949

Delta R.T. -0.00 min

Lab File: VU028635.D

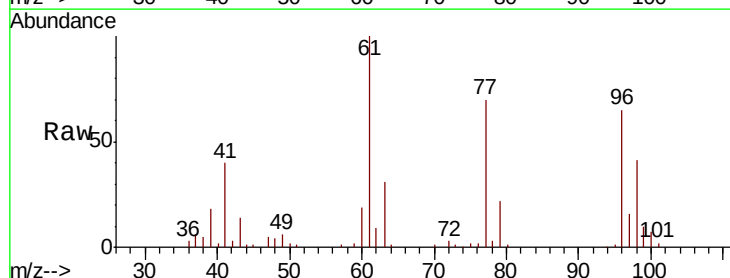
Acq: 12 Dec 2018 02:30

Tgt Ion: 77 Resp: 90095

Ion Ratio Lower Upper

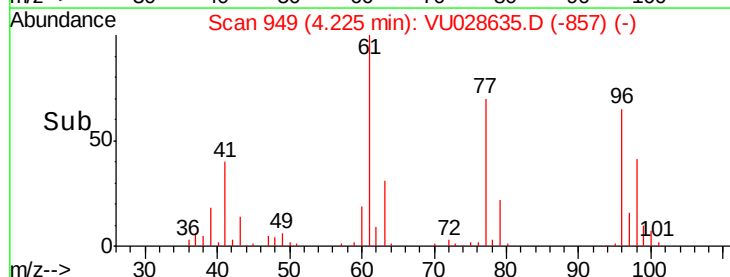
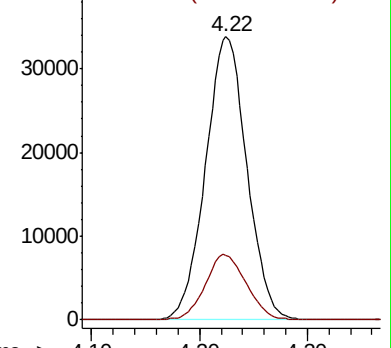
77 100

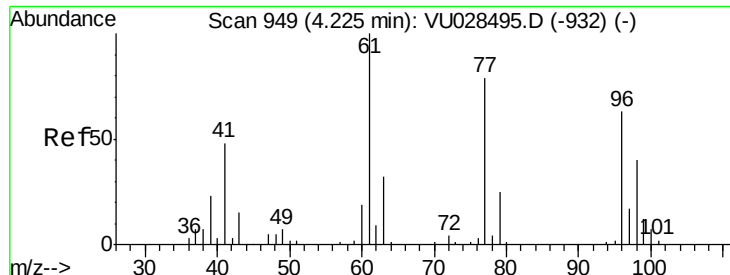
97 23.0 11.0 33.0



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0





#27

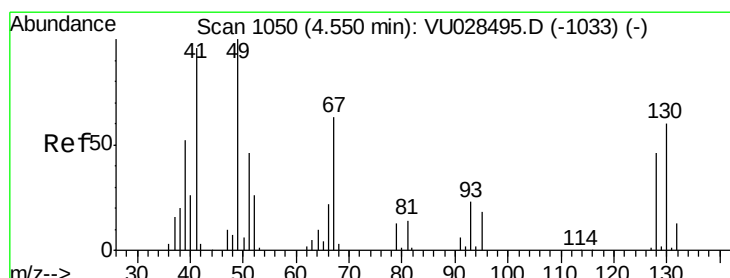
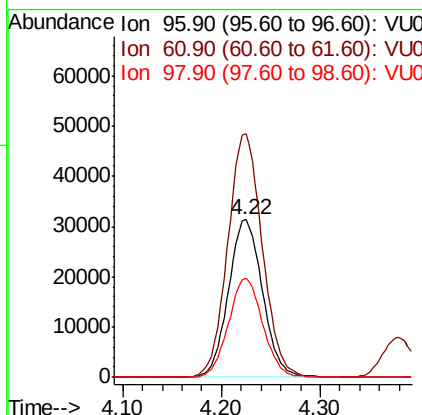
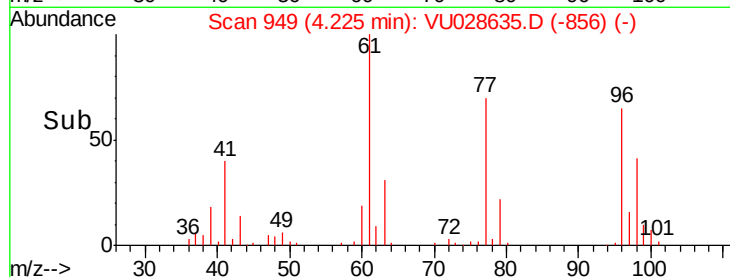
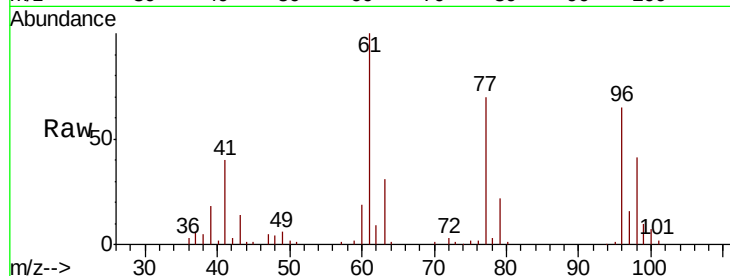
cis-1,2-Dichloroethene
Concen: 48.890 ug/l
RT: 4.22 min Scan# 949
Delta R.T. -0.00 min
Lab File: VU028635.D
Acq: 12 Dec 2018 02:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	156.6	0.0	332.4
98	62.9	0.0	129.0

Manual Integrations
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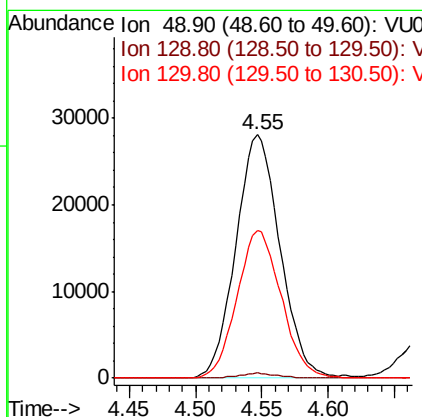
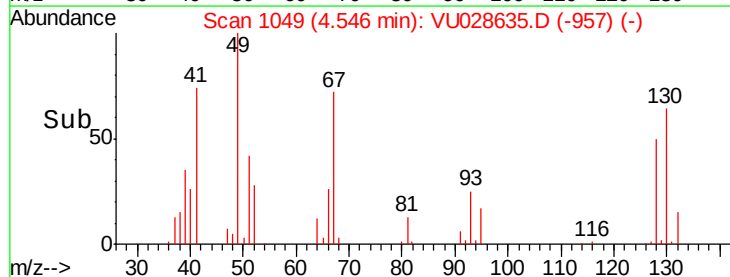
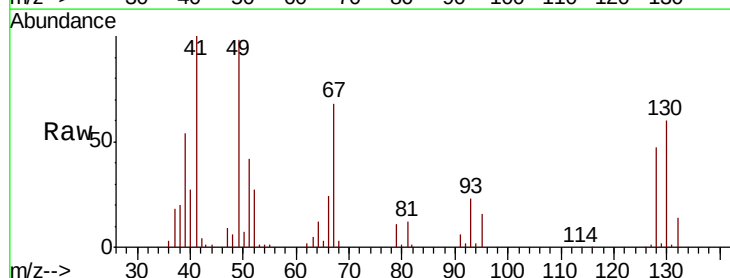
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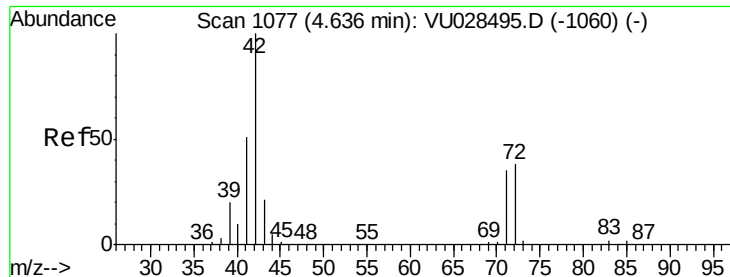


#28

Bromochloromethane
Concen: 48.927 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VU028635.D
Acq: 12 Dec 2018 02:30

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.0
130	60.7	47.8	71.8





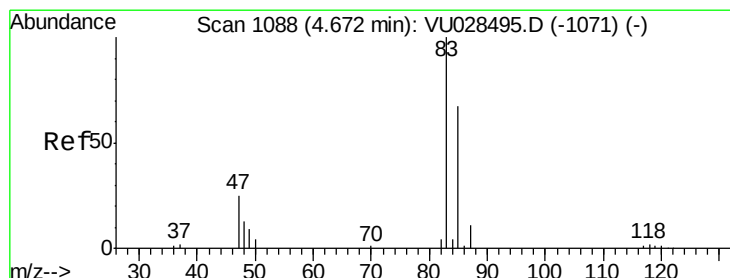
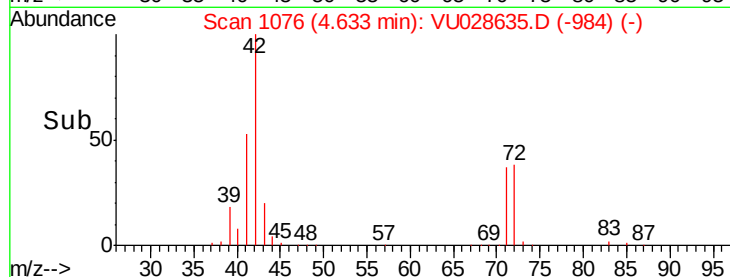
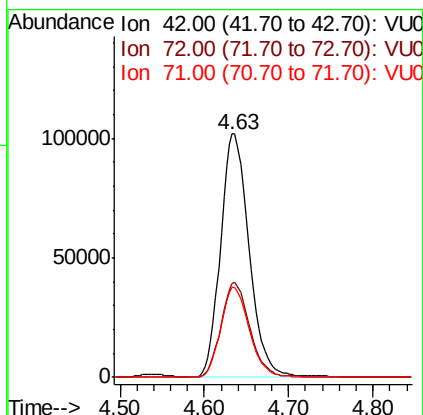
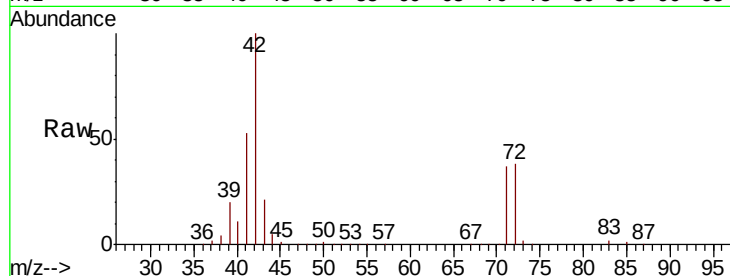
#29
Tetrahydrofuran
Concen: 250.329 ug/l
RT: 4.63 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VU028635.D
Acq: 12 Dec 2018 02:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.5	31.4	47.0
71	37.3	28.6	43.0

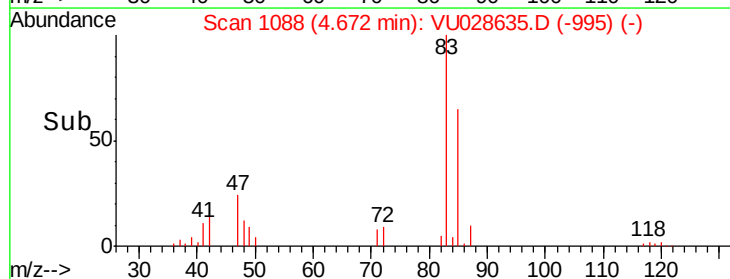
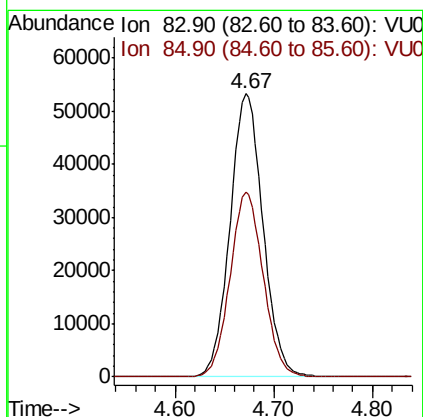
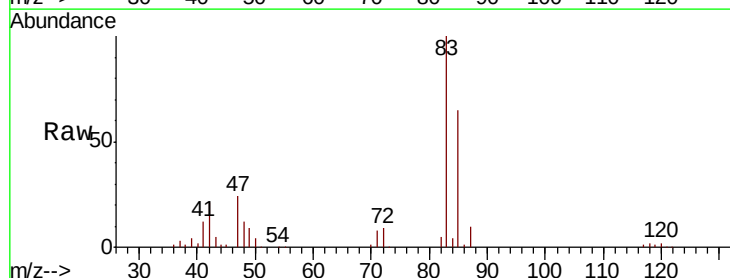
Manual Integrations
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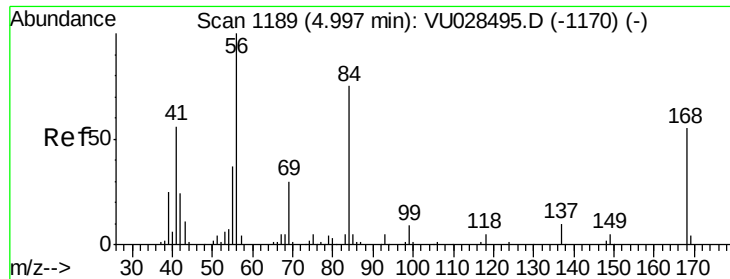
MMDadoda
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#30
Chloroform
Concen: 48.734 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VU028635.D
Acq: 12 Dec 2018 02:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	53.6	80.4





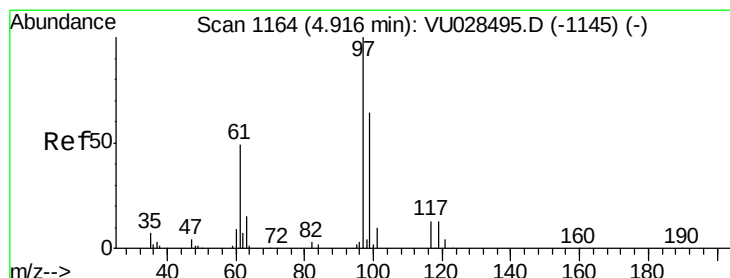
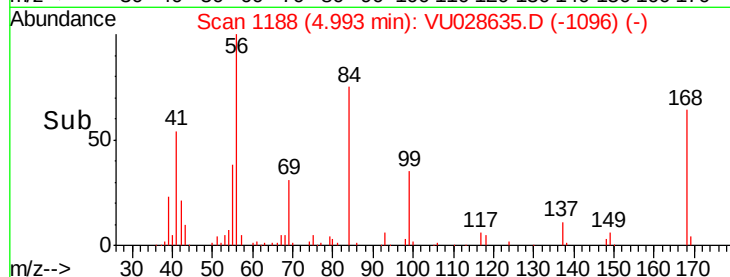
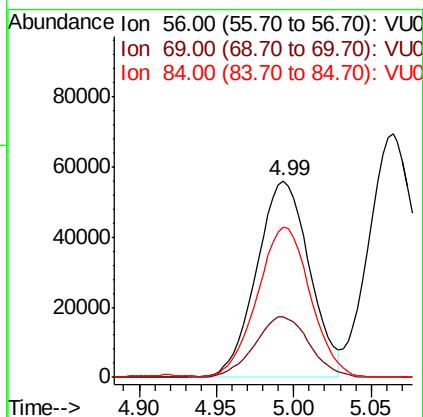
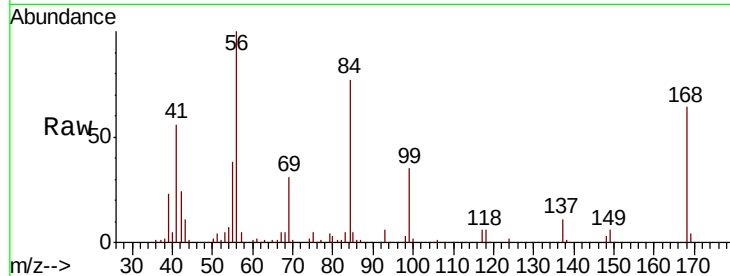
#31
Cyclohexane
Concen: 46.796 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU028635.D
Acq: 12 Dec 2018 02:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.7	24.0	36.0
84	76.0	59.7	89.5

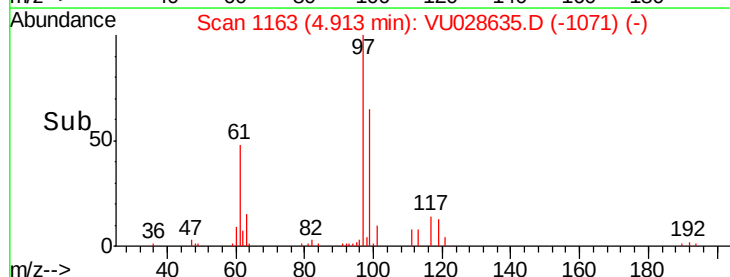
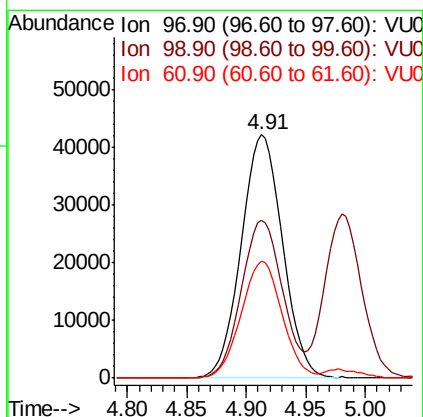
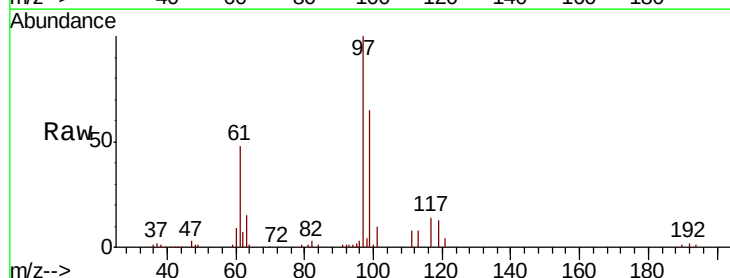
Manual Integrations
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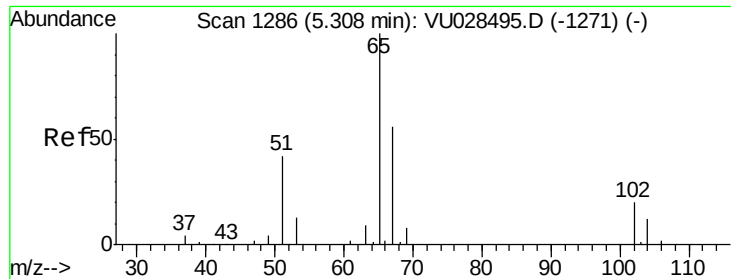
MMDadoda
12/12/2018 11:49:11 AM



#32
1,1,1-Trichloroethane
Concen: 48.183 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. -0.00 min
Lab File: VU028635.D
Acq: 12 Dec 2018 02:30

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	52.3	78.5
61	47.6	39.0	58.6





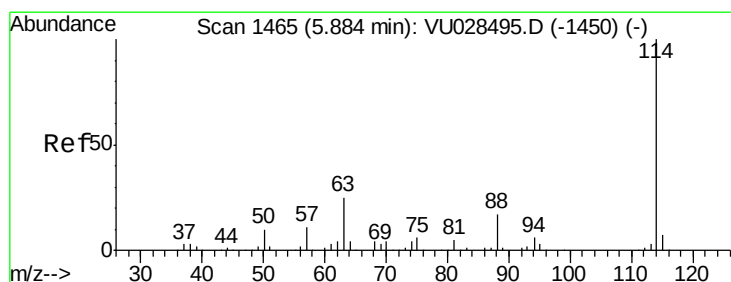
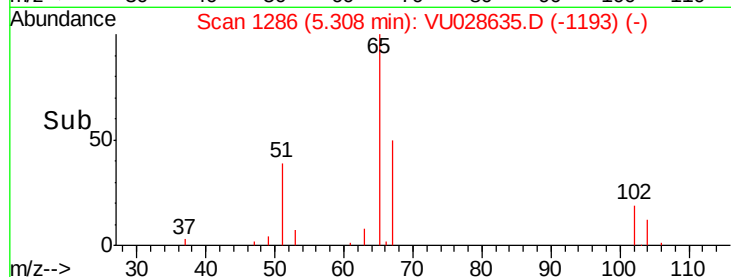
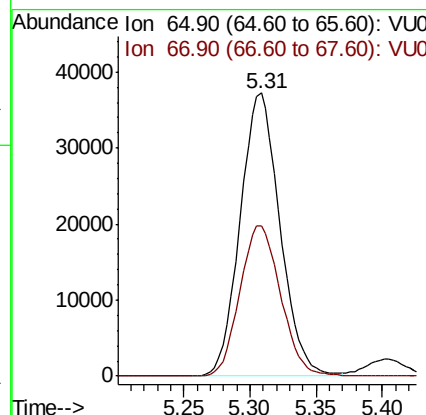
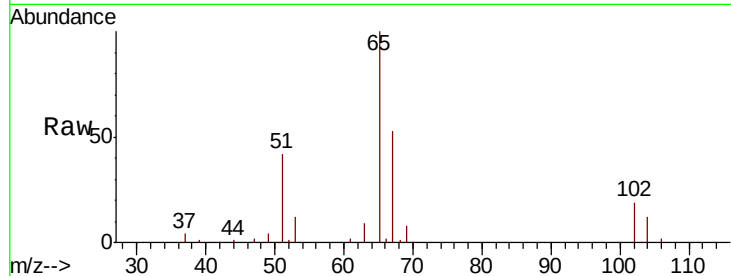
#33
 1,2-Dichloroethane-d4
 Concen: 46.782 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028635.D
 Acq: 12 Dec 2018 02:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.4	0.0	110.6

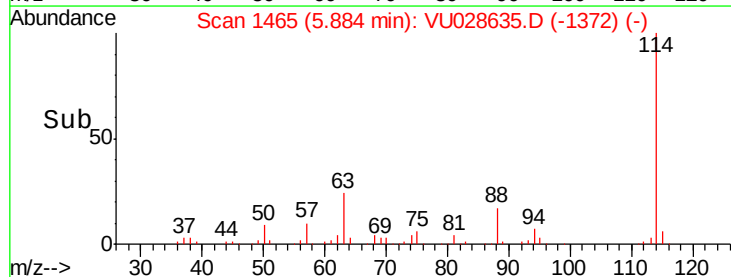
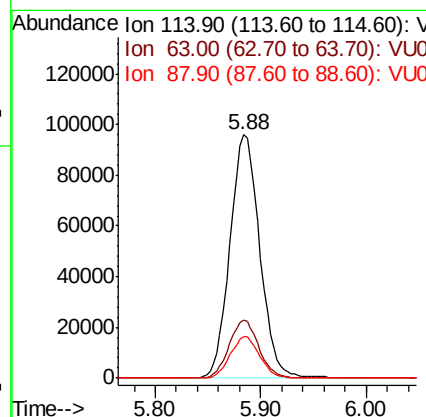
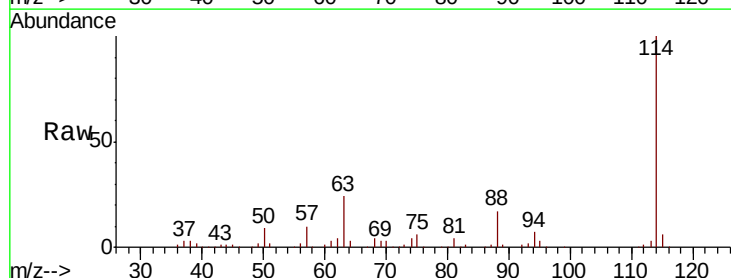
Manual Integrations
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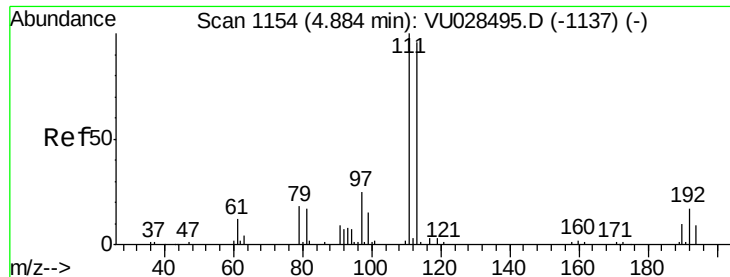
MMDadoda
 12/12/2018 11:49:11 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028635.D
 Acq: 12 Dec 2018 02:30

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.9	0.0	49.2
88	17.0	0.0	33.4





#35

Dibromofluoromethane

Concen: 50.083 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VU028635.D

Acq: 12 Dec 2018 02:30

Instrument :

MSVOA_U

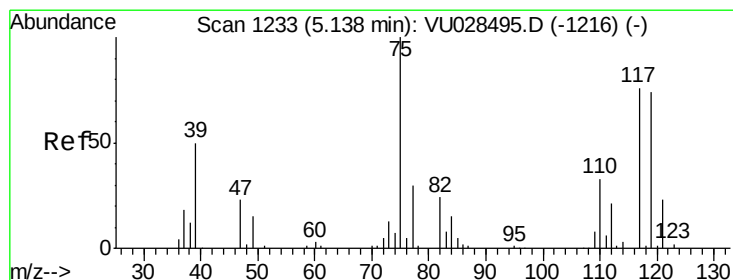
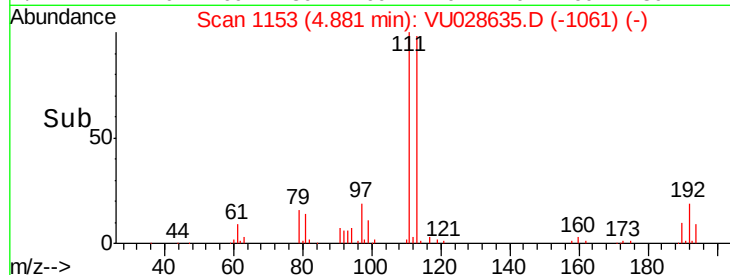
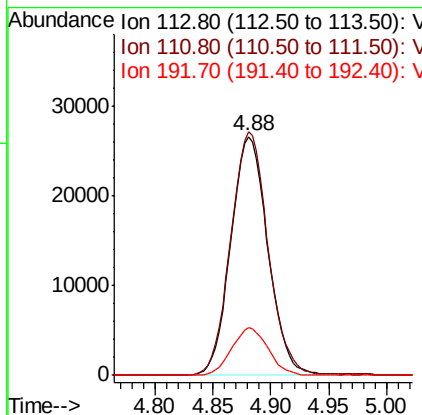
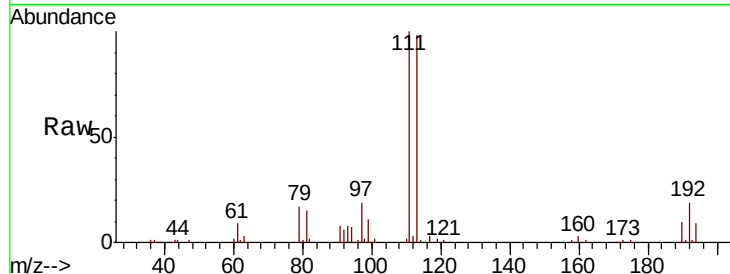
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	59244
Ion Ratio	Lower	Upper	
113	100		
111	102.6	83.4	125.0
192	19.4	14.8	22.2

Manual Integrations
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12/12/2018 11:49:11 AM



#36

1,1-Dichloropropene

Concen: 46.917 ug/l

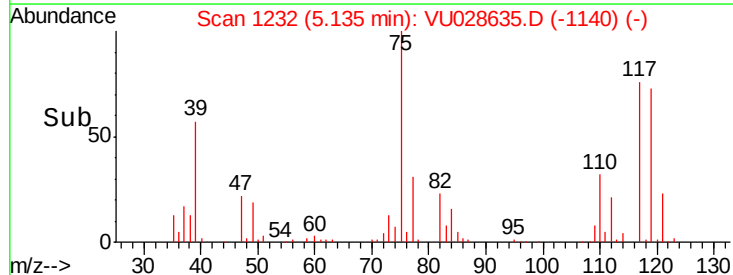
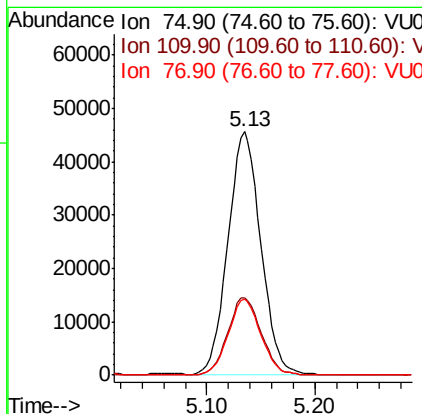
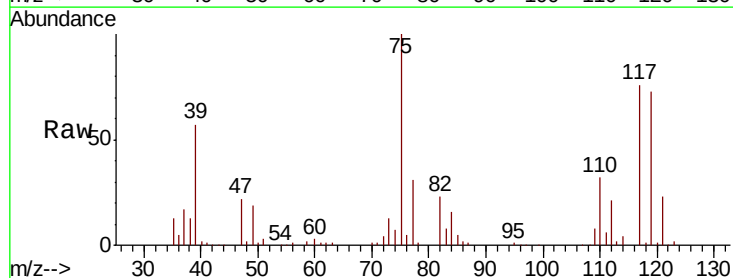
RT: 5.13 min Scan# 1232

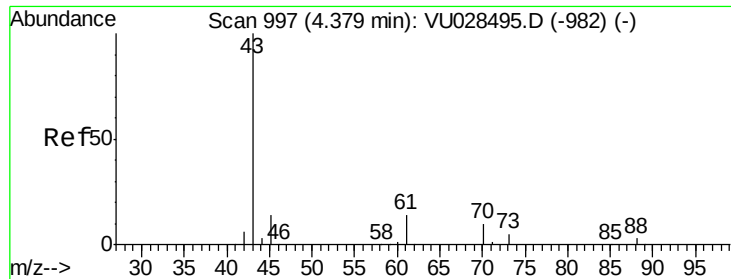
Delta R.T. -0.00 min

Lab File: VU028635.D

Acq: 12 Dec 2018 02:30

Tgt Ion:	75	Resp:	96506
Ion Ratio	Lower	Upper	
75	100		
110	32.6	16.1	48.2
77	31.1	24.5	36.7





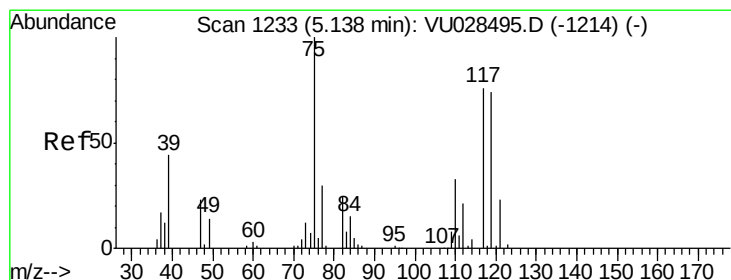
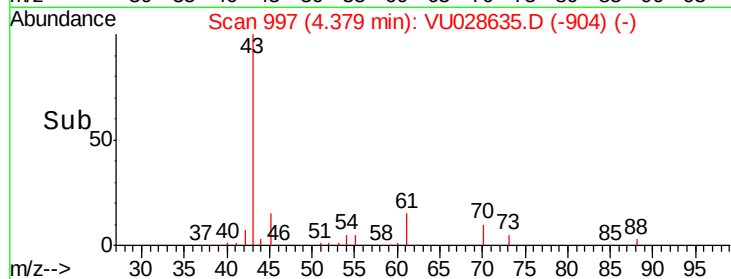
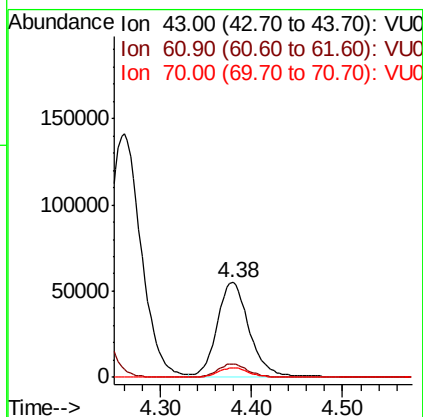
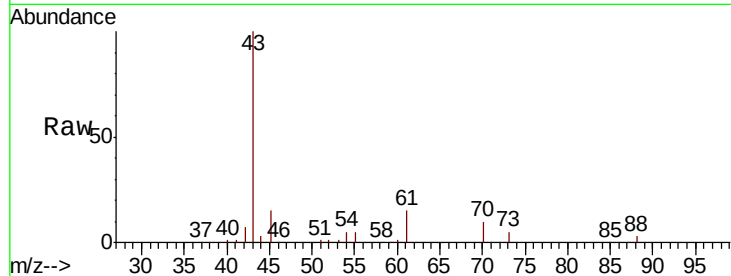
#37
Ethyl Acetate
Concen: 50.106 ug/l
RT: 4.38 min Scan# 997
Delta R.T. -0.00 min
Lab File: VU028635.D
Acq: 12 Dec 2018 02:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.0	16.4
70	9.8	7.4	11.0

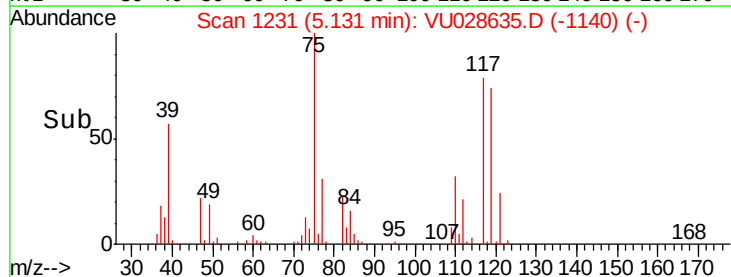
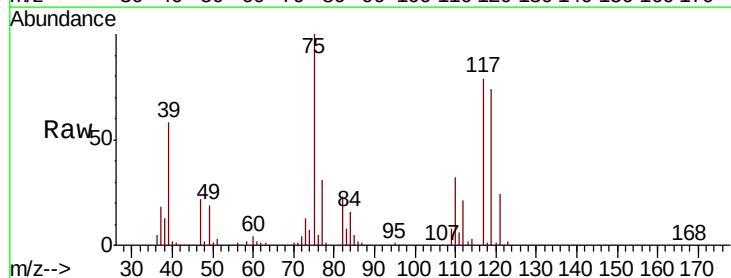
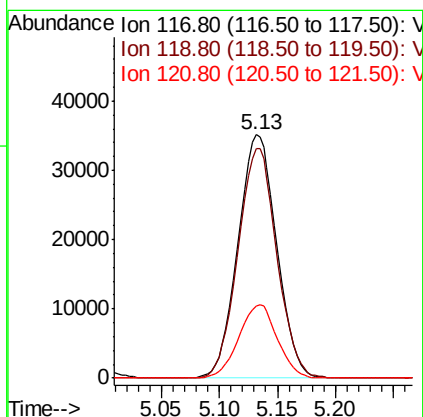
Manual Integrations
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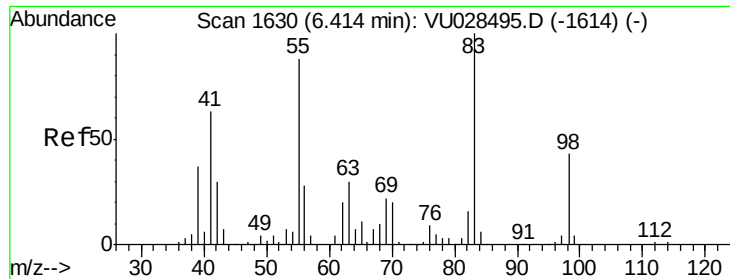
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#38
Carbon Tetrachloride
Concen: 49.081 ug/l
RT: 5.13 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VU028635.D
Acq: 12 Dec 2018 02:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.4	77.6	116.4
121	29.8	24.6	36.8





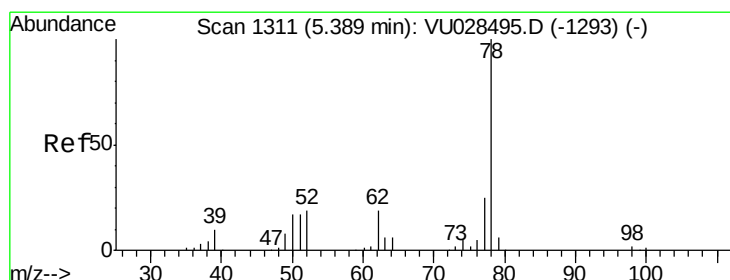
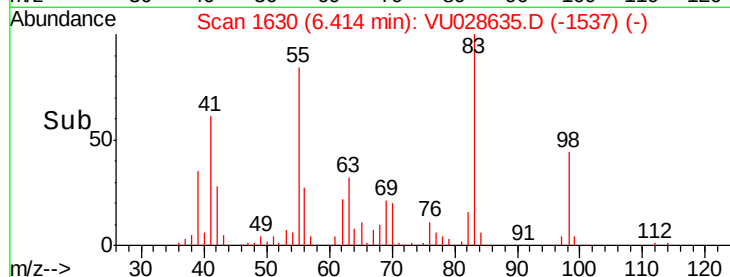
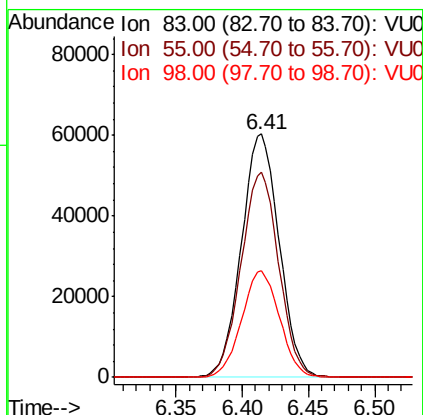
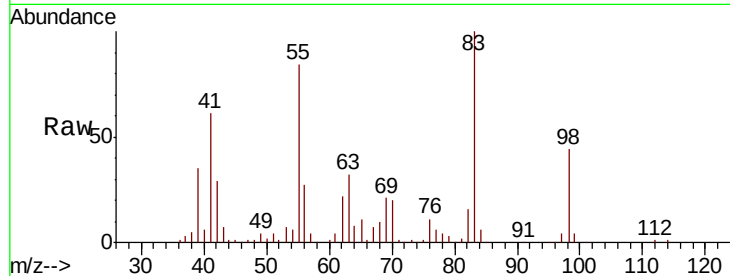
#39
Methylvlcyclohexane
Concen: 47.673 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU028635.D
Acq: 12 Dec 2018 02:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	119632
Ion Ratio	Lower	Upper	
83	100		
55	84.3	70.2	105.2
98	43.6	34.2	51.4

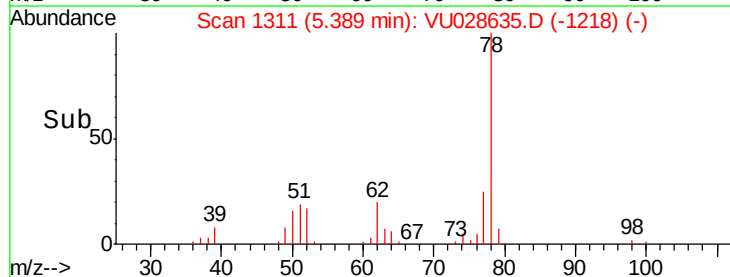
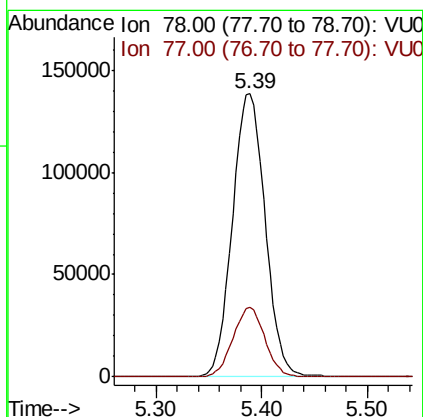
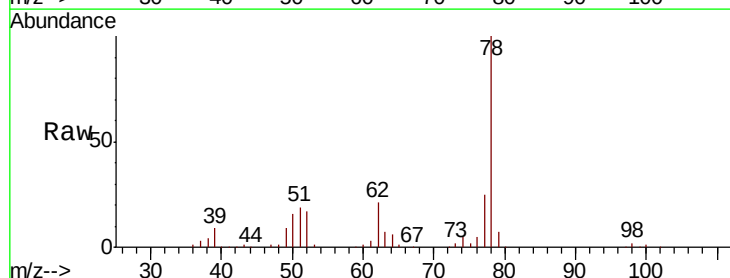
Manual Integrations
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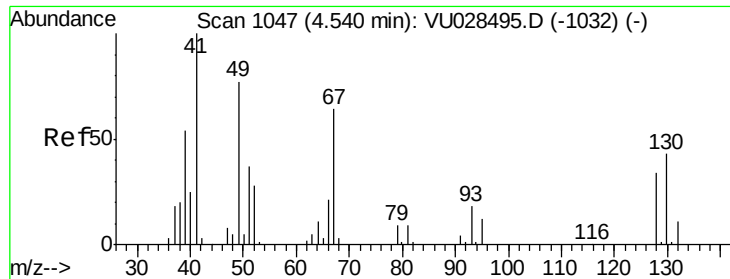
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#40
Benzene
Concen: 49.219 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. -0.00 min
Lab File: VU028635.D
Acq: 12 Dec 2018 02:30

Tgt Ion	78	Resp	298175
Ion Ratio	Lower	Upper	
78	100		
77	24.8	19.9	29.9





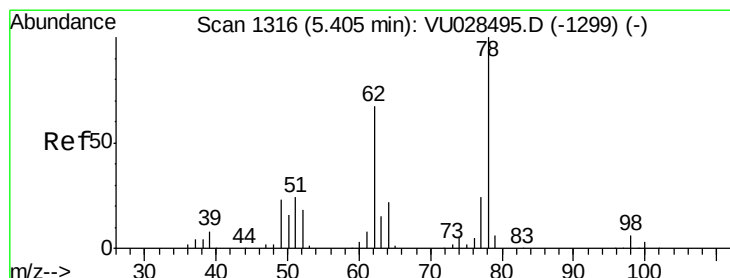
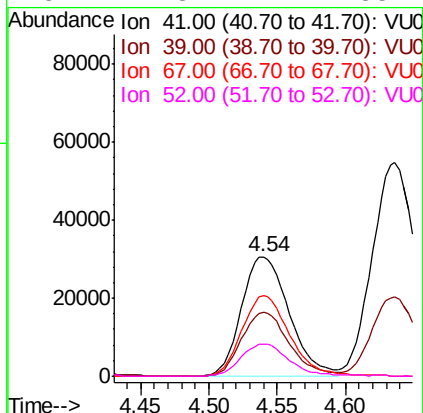
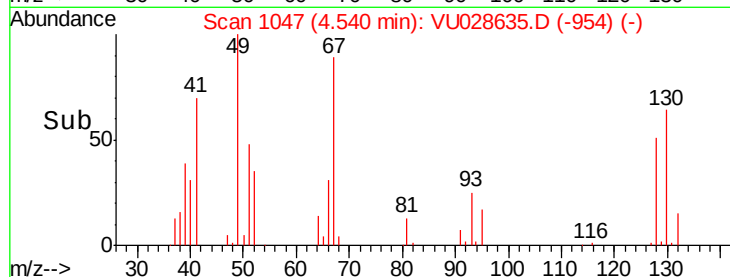
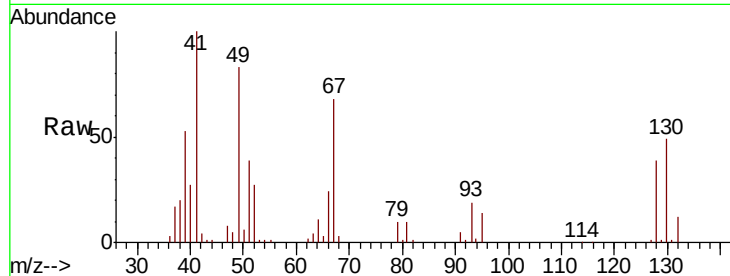
#41
Methacrylonitrile
Concen: 51.079 ug/l
RT: 4.54 min Scan# 1047
Delta R.T. -0.00 min
Lab File: VU028635.D
Acq: 12 Dec 2018 02:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.5	43.3	64.9	
67	67.7	53.6	80.4	
52	27.3	22.1	33.1	

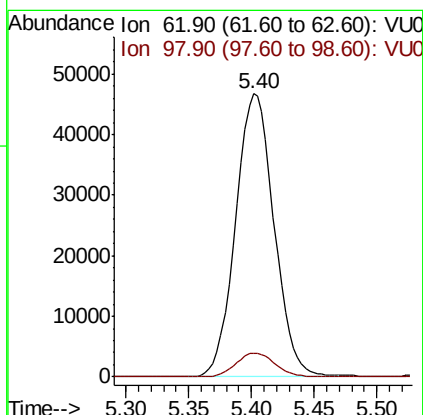
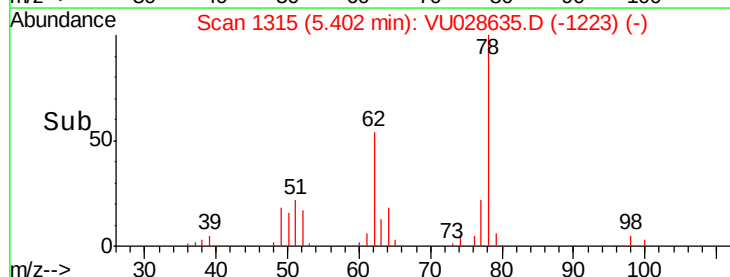
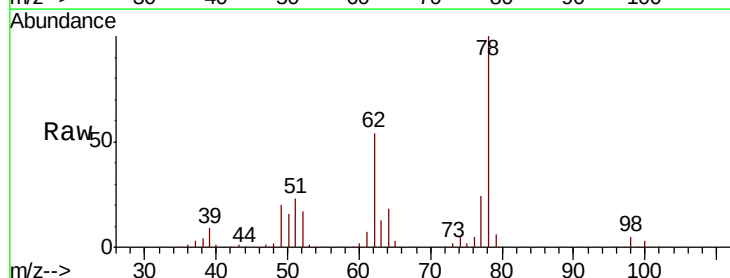
Manual Integrations
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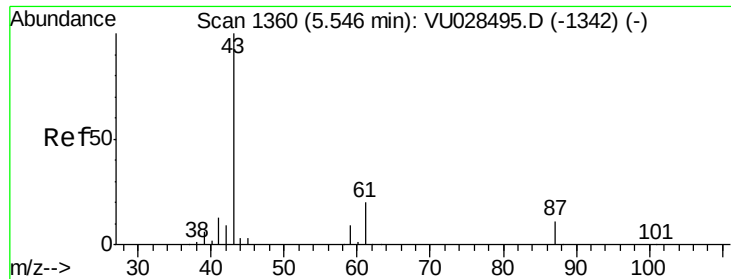
MMDadoda
12/12/2018 11:49:11 AM



#42
1,2-Dichloroethane
Concen: 47.031 ug/l
RT: 5.40 min Scan# 1315
Delta R.T. -0.00 min
Lab File: VU028635.D
Acq: 12 Dec 2018 02:30

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.5	0.0	17.2	





#43

Isopropyl Acetate

Concen: 50.721 ug/l

RT: 5.55 min Scan# 1360

Delta R.T. -0.00 min

Lab File: VU028635.D

Acq: 12 Dec 2018 02:30

Instrument :

MSVOA_U

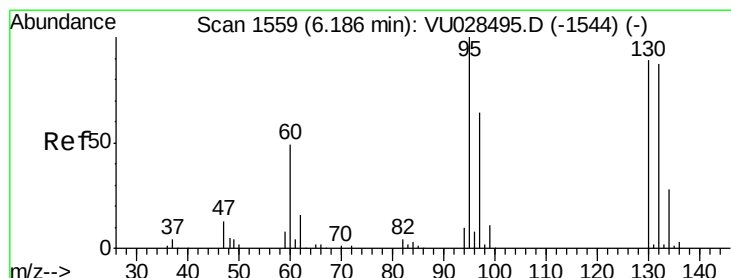
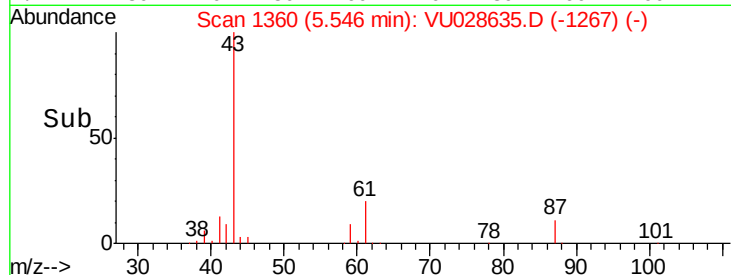
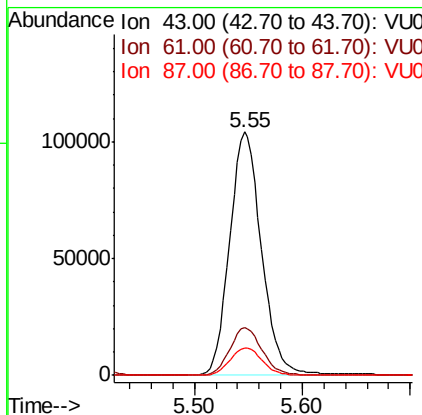
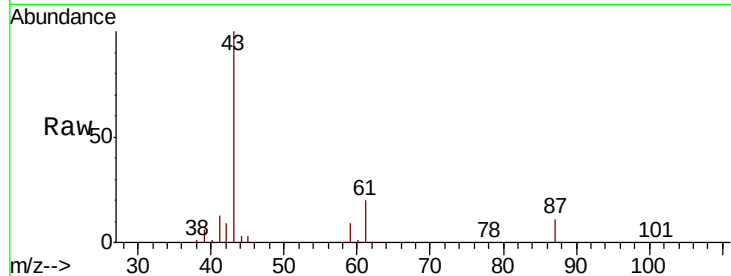
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	213319
Ion	Ratio	Lower	Upper
43	100		
61	19.8	15.5	23.3
87	11.5	8.7	13.1

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MMDadoda
12/12/2018 11:49:11 AM



#44

Trichloroethene

Concen: 50.130 ug/l

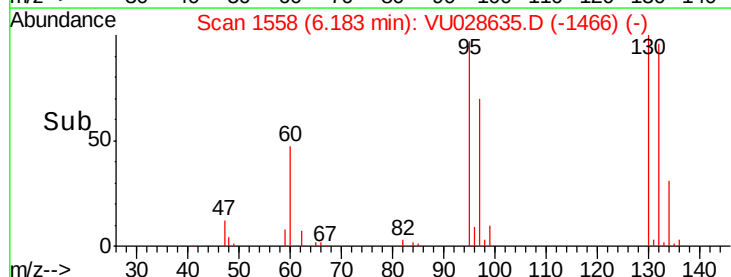
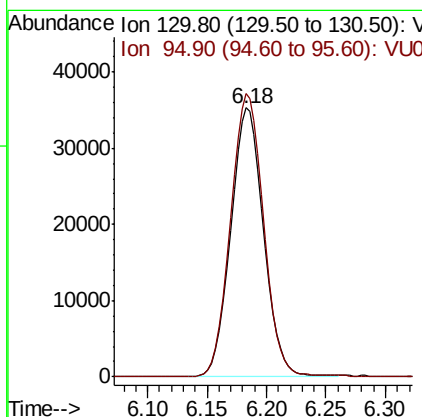
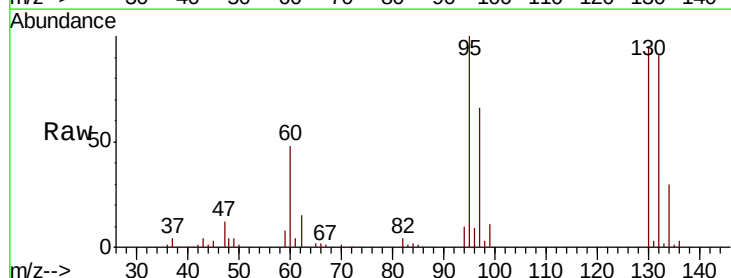
RT: 6.18 min Scan# 1558

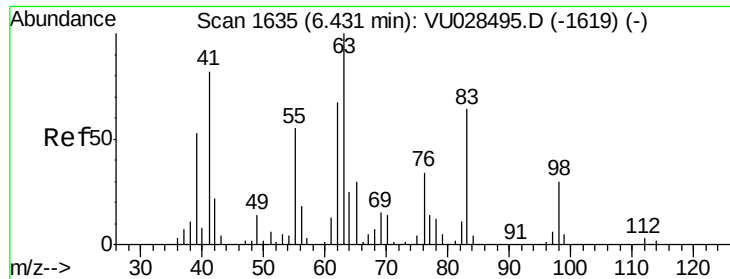
Delta R.T. -0.00 min

Lab File: VU028635.D

Acq: 12 Dec 2018 02:30

Tgt Ion:	130	Resp:	67526
Ion	Ratio	Lower	Upper
130	100		
95	105.2	0.0	224.0





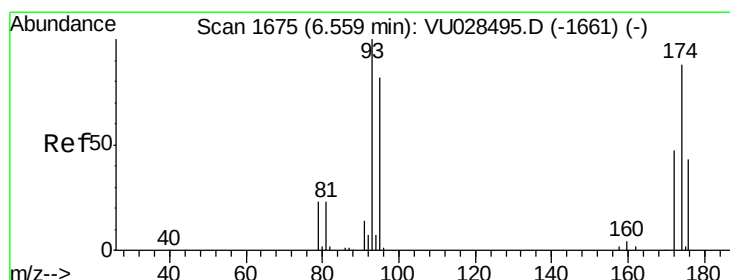
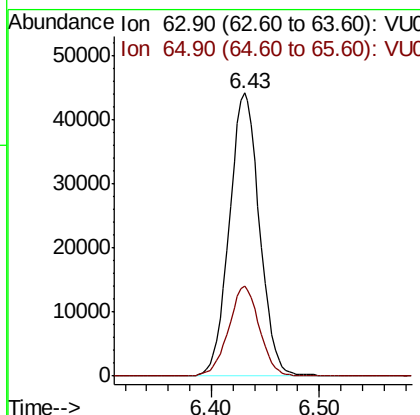
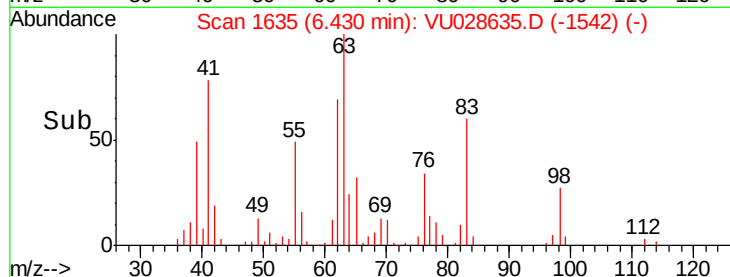
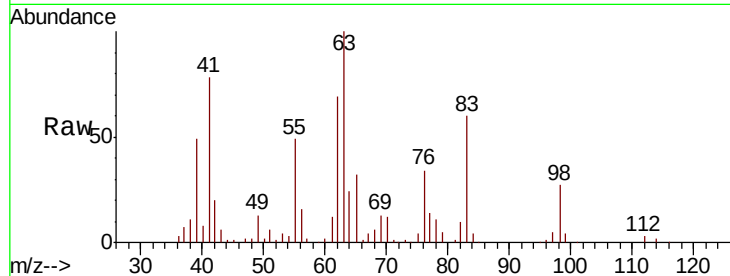
#45
 1,2-Dichloropropane
 Concen: 50.658 ug/l
 RT: 6.43 min Scan# 1635
 Delta R.T. -0.00 min
 Lab File: VU028635.D
 Acq: 12 Dec 2018 02:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 86301
 Ion Ratio Lower Upper
 63 100
 65 31.7 24.2 36.4

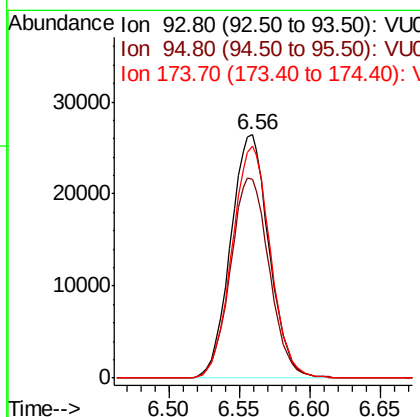
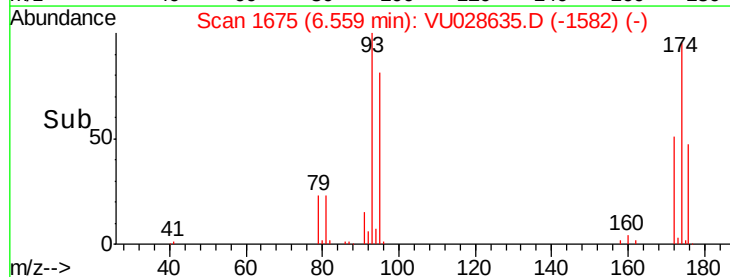
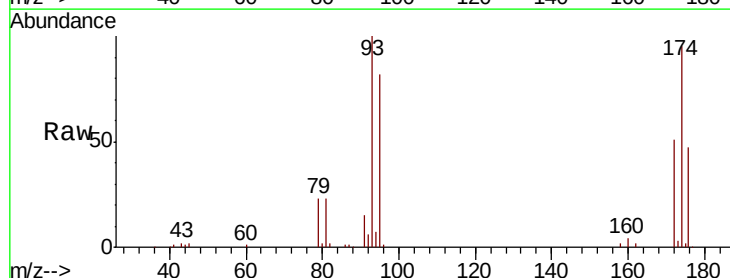
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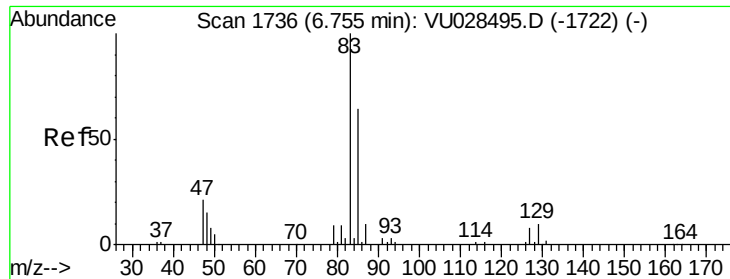
MMDadoda
 12/12/2018 11:49:11 AM



#46
 Dibromomethane
 Concen: 49.852 ug/l
 RT: 6.56 min Scan# 1675
 Delta R.T. -0.00 min
 Lab File: VU028635.D
 Acq: 12 Dec 2018 02:30

Tgt Ion: 93 Resp: 50390
 Ion Ratio Lower Upper
 93 100
 95 83.2 65.4 98.2
 174 95.2 72.2 108.4





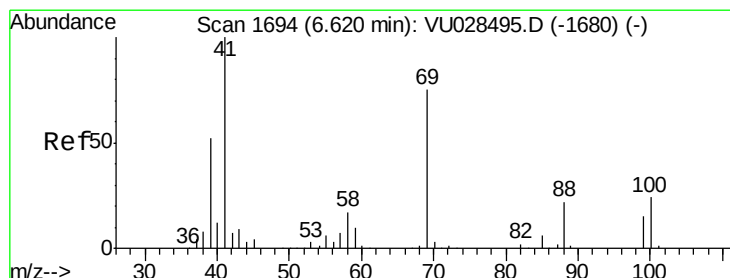
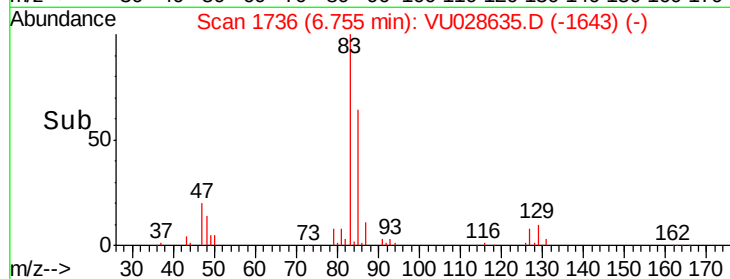
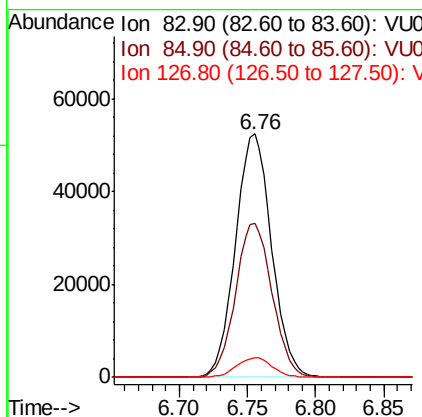
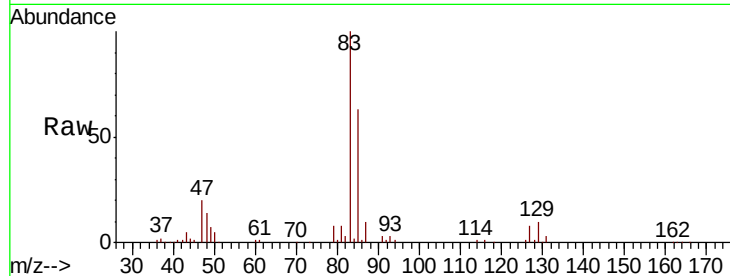
#47
 Bromodichloromethane
 Concen: 48.947 ug/l
 RT: 6.76 min Scan# 1736
 Delta R.T. -0.00 min
 Lab File: VU028635.D
 Acq: 12 Dec 2018 02:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	83	Resp	96276
Ion Ratio	100	Lower	Upper
83	100		
85	63.3	51.5	77.3
127	8.1	6.2	9.4

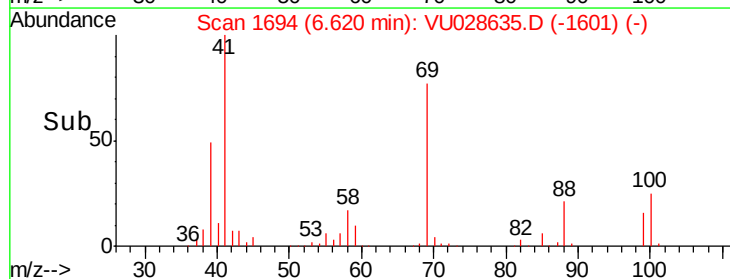
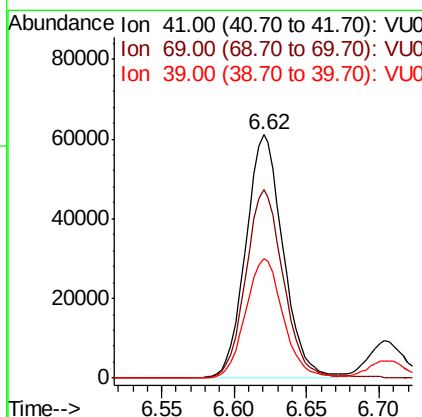
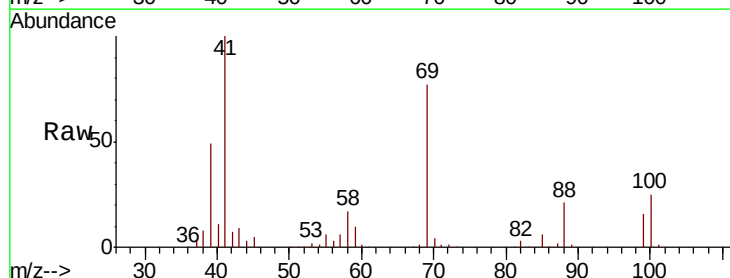
Manual Integrations
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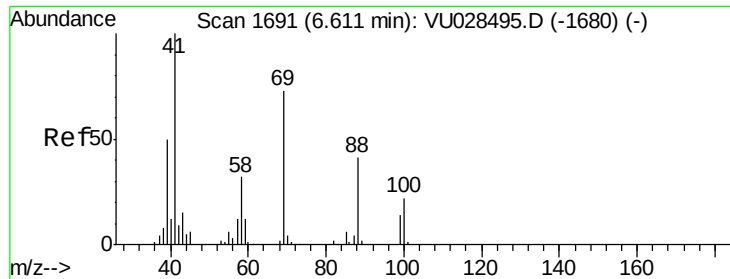
MMDadoda
 12/12/2018 11:49:11 AM



#48
 Methyl methacrylate
 Concen: 52.367 ug/l
 RT: 6.62 min Scan# 1694
 Delta R.T. -0.00 min
 Lab File: VU028635.D
 Acq: 12 Dec 2018 02:30

Tgt Ion	41	Resp	109527
Ion Ratio	100	Lower	Upper
41	100		
69	78.4	60.4	90.6
39	49.4	41.1	61.7





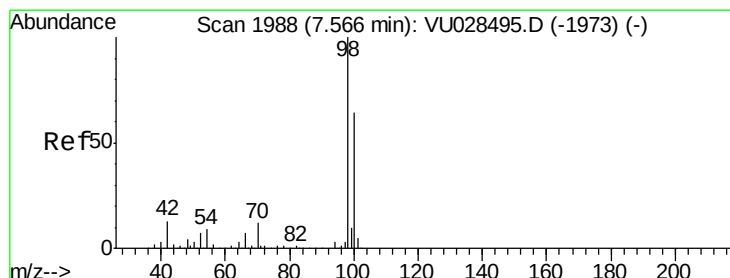
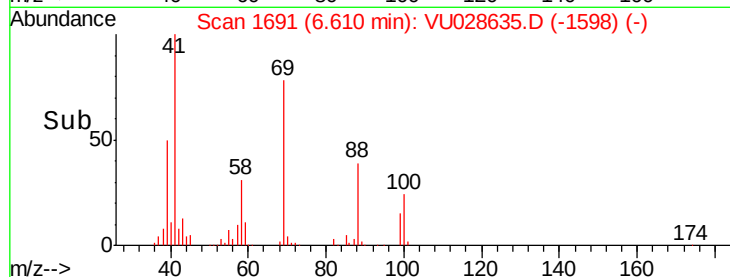
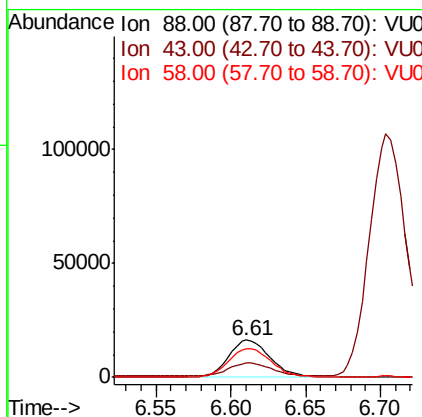
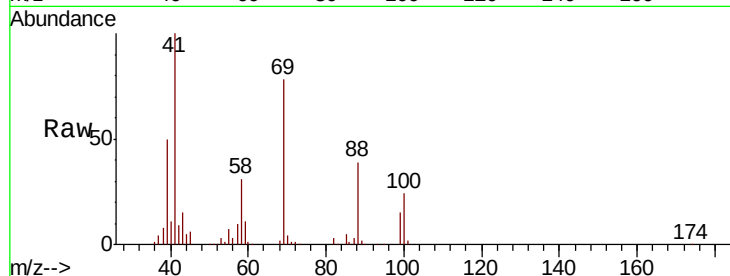
#49
1,4-Dioxane
Concen: 943.718 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VU028635.D
Acq: 12 Dec 2018 02:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	37.5	30.9	46.3	
58	82.0	62.4	93.6	

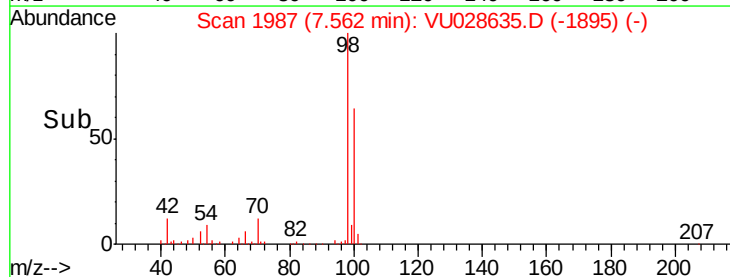
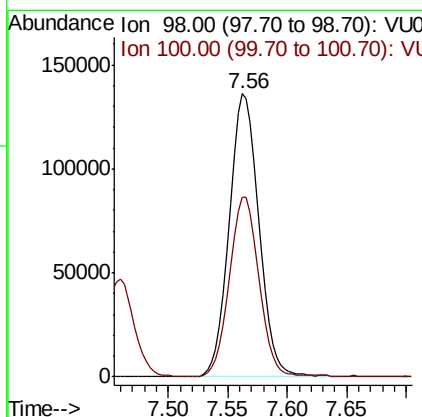
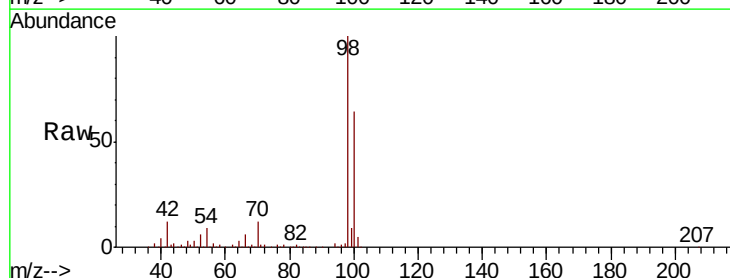
Manual Integrations
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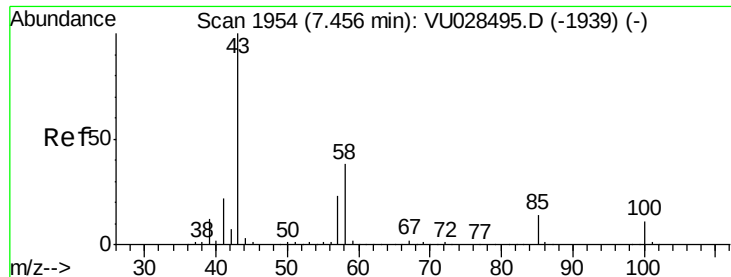
MMDadoda
12/12/2018 11:49:11 AM



#50
Toluene-d8
Concen: 50.496 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VU028635.D
Acq: 12 Dec 2018 02:30

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	62.6	51.0	76.6	





#51

4-Methyl-2-Pentanone

Concen: 256.514 ug/l

RT: 7.46 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VU028635.D

Acq: 12 Dec 2018 02:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 680434

Ion Ratio Lower Upper

43 100

58 38.3

30.2

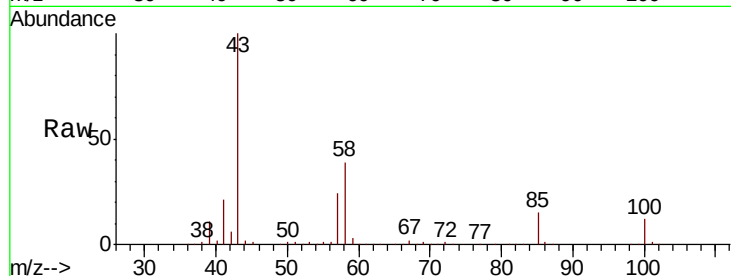
45.2

Manual Integrations

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MMDadoda

12/12/2018 11:49:11 AM



Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-1939) (-)

Ion 58.00 (57.70 to 58.70): VU028495.D (-1939) (-)

7.46

400000

300000

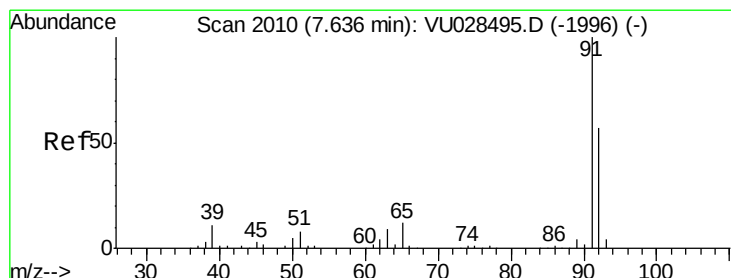
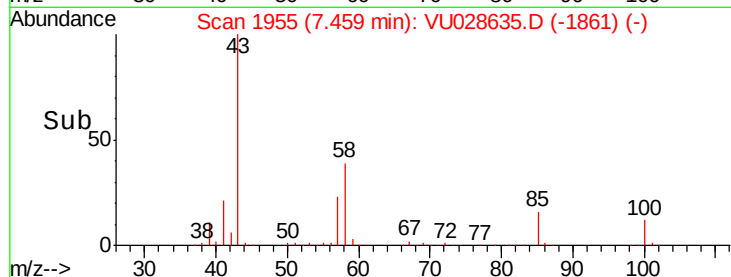
200000

100000

0

7.35 7.40 7.45 7.50 7.55

Time-->



#52

Toluene

Concen: 50.015 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. -0.00 min

Lab File: VU028635.D

Acq: 12 Dec 2018 02:30

Tgt Ion: 92 Resp: 178320

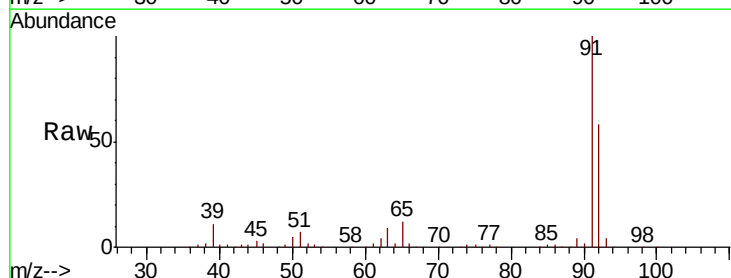
Ion Ratio Lower Upper

92 100

91 174.5

140.2

210.4



Abundance Ion 92.00 (91.70 to 92.70): VU028495.D (-1996) (-)

Ion 91.00 (90.70 to 91.70): VU028495.D (-1996) (-)

7.64

200000

150000

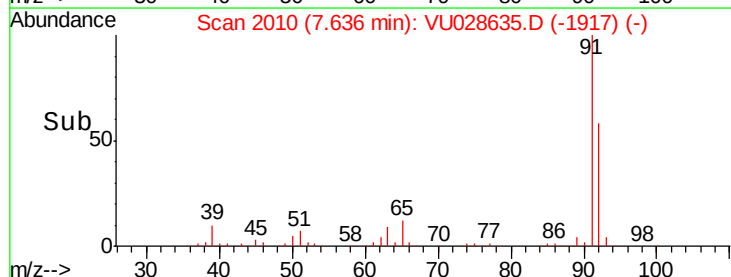
100000

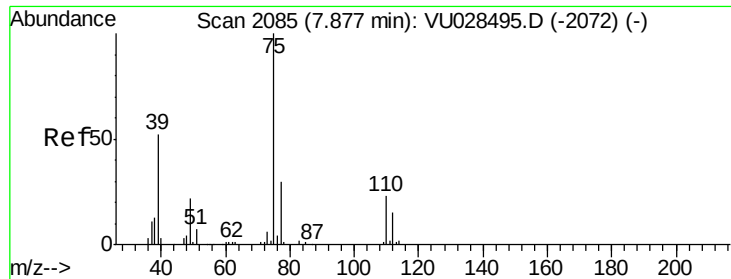
50000

0

7.55 7.60 7.65 7.70 7.75

Time-->





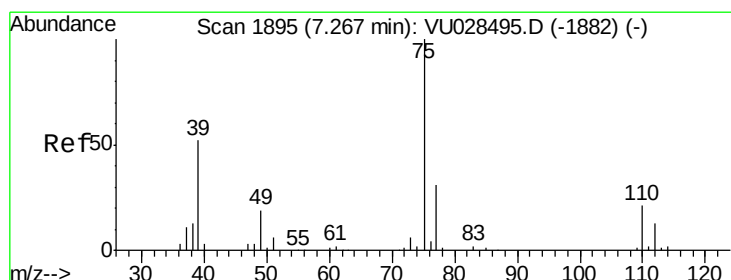
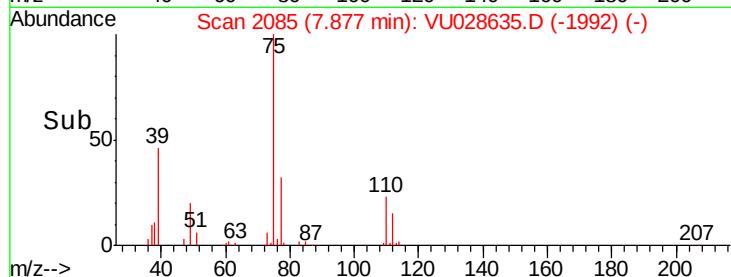
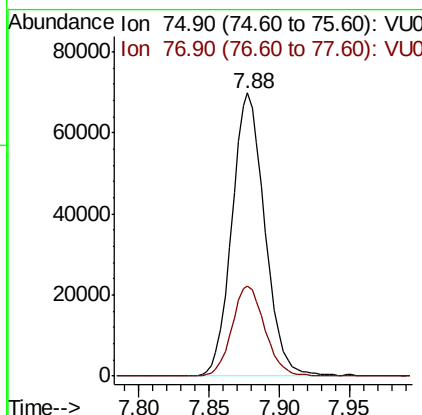
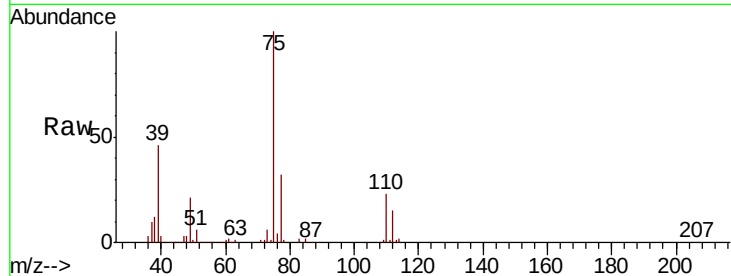
#53
t-1,3-Dichloropropene
Concen: 48.624 ug/l
RT: 7.88 min Scan# 2085
Delta R.T. -0.00 min
Lab File: VU028635.D
Acq: 12 Dec 2018 02:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	24.2	36.4

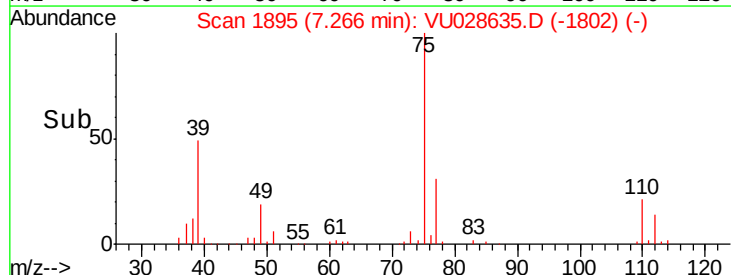
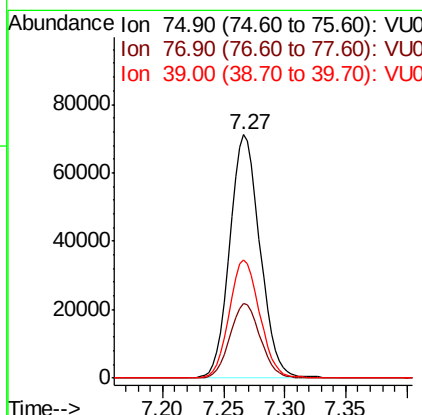
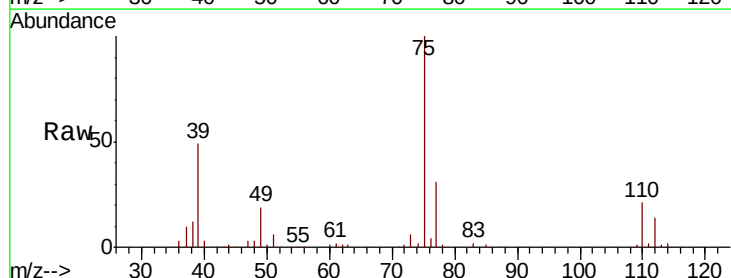
Manual Integrations
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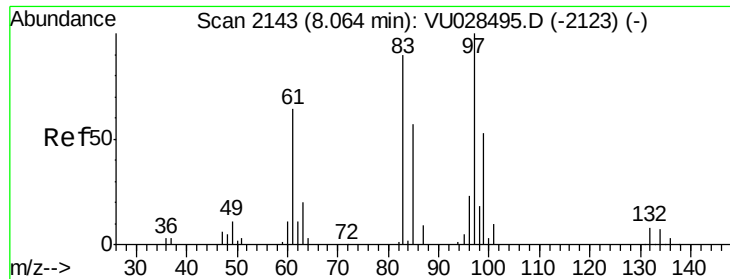
MMDadoda
12/12/2018 11:49:11 AM



#54
cis-1,3-Dichloropropene
Concen: 48.420 ug/l
RT: 7.27 min Scan# 1895
Delta R.T. -0.00 min
Lab File: VU028635.D
Acq: 12 Dec 2018 02:30

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.0	37.4
39	48.8	41.3	61.9





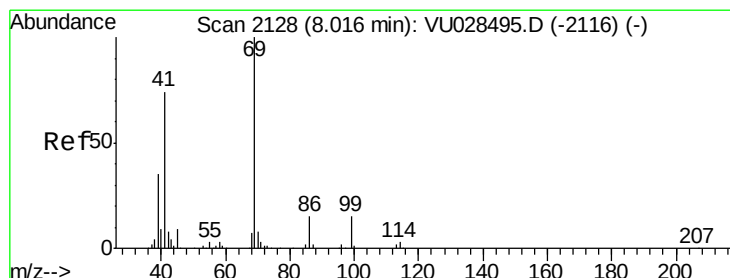
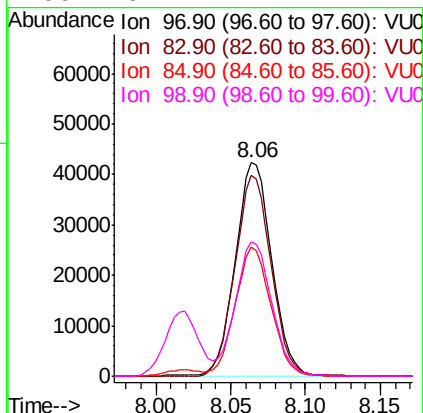
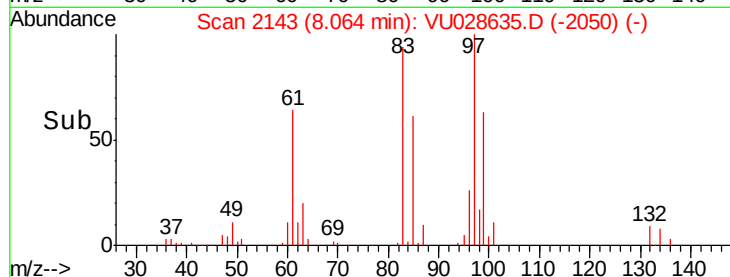
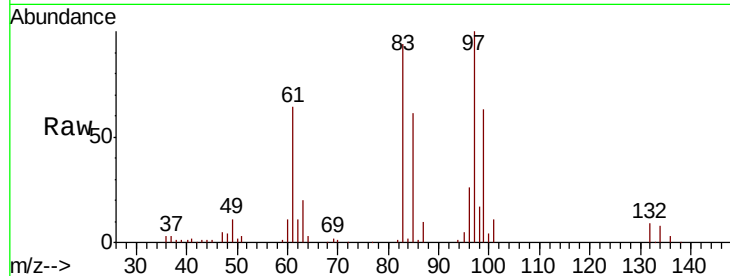
#55
 1,1,2-Trichloroethane
 Concen: 51.050 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VU028635.D
 Acq: 12 Dec 2018 02:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	71947
Ion	Ratio	Lower	Upper
97	100		
83	94.0	72.4	108.6
85	60.5	46.0	69.0
99	62.4	47.4	71.2

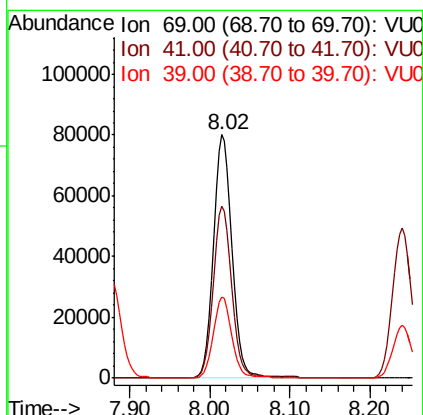
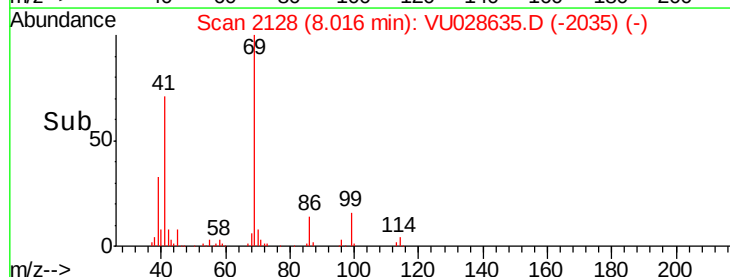
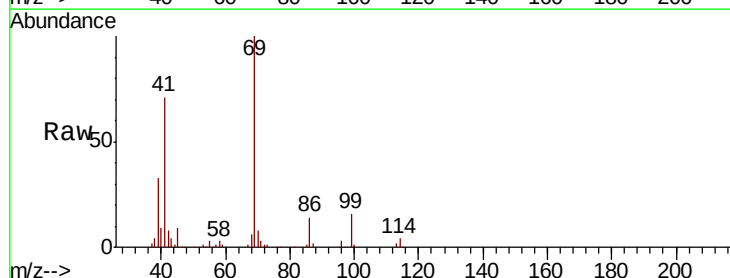
Manual Integrations
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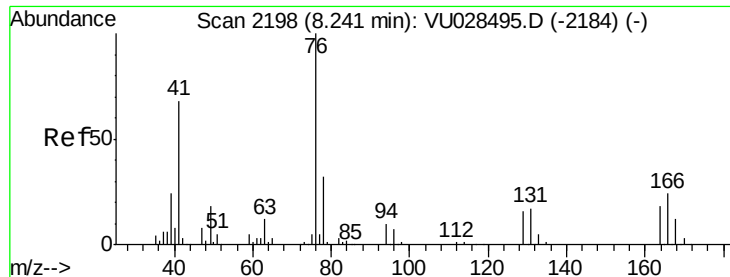
MMDadoda
 12/12/2018 11:49:11 AM



#56
 Ethyl methacrylate
 Concen: 54.039 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. -0.00 min
 Lab File: VU028635.D
 Acq: 12 Dec 2018 02:30

Tgt Ion:	69	Resp:	130421
Ion	Ratio	Lower	Upper
69	100		
41	70.1	59.1	88.7
39	32.8	28.4	42.6





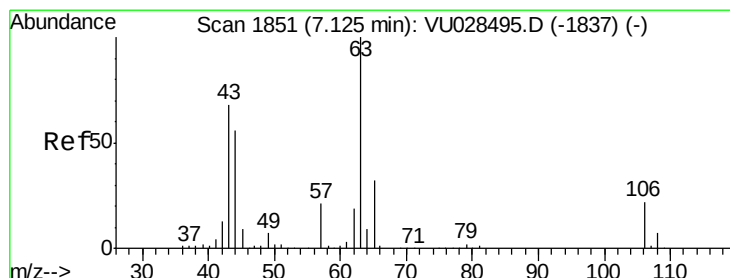
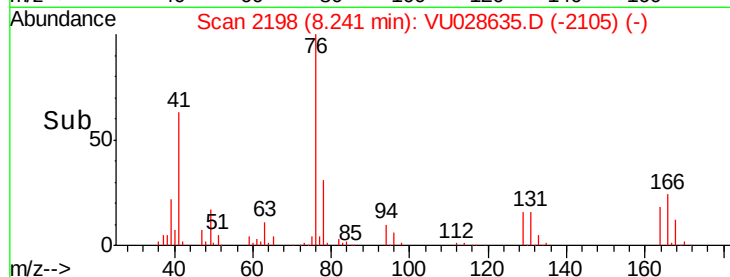
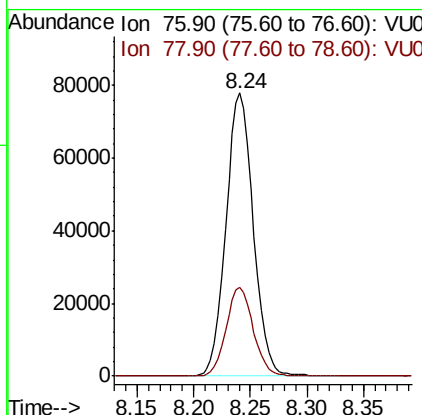
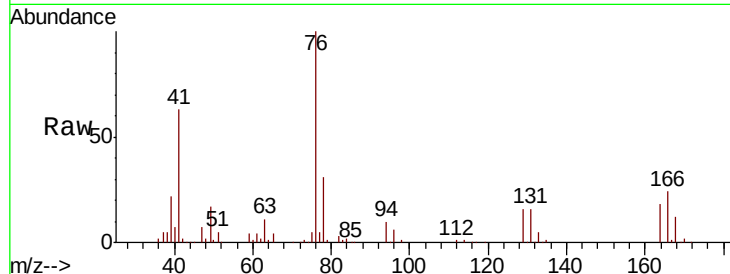
#57
 1,3-Dichloropropane
 Concen: 49.982 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: VU028635.D
 Acq: 12 Dec 2018 02:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 130763
 Ion Ratio Lower Upper
 76 100
 78 31.0 25.2 37.8

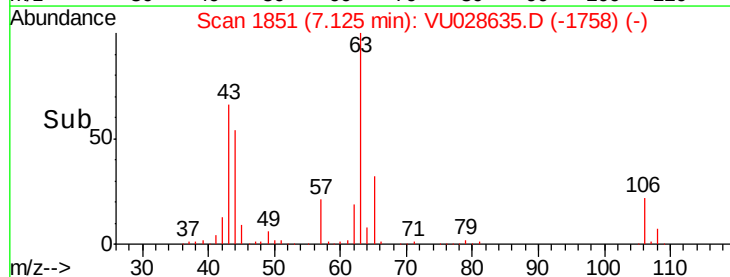
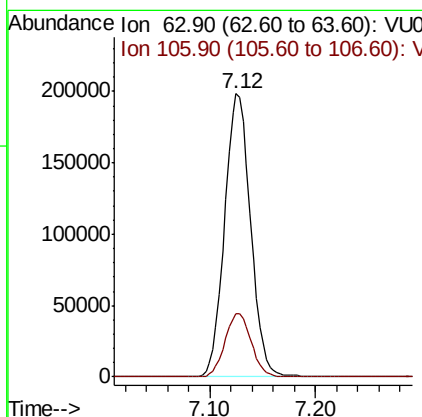
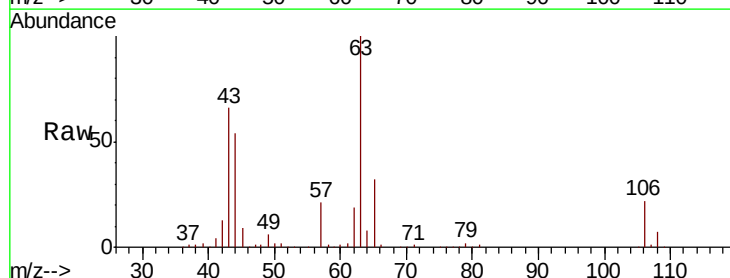
Manual Integrations
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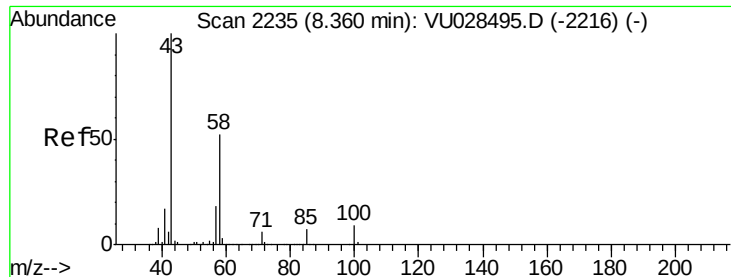
MMDadoda
 12/12/2018 11:49:11 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 273.395 ug/l
 RT: 7.12 min Scan# 1851
 Delta R.T. -0.00 min
 Lab File: VU028635.D
 Acq: 12 Dec 2018 02:30

Tgt Ion: 63 Resp: 337964
 Ion Ratio Lower Upper
 63 100
 106 22.7 17.8 26.6





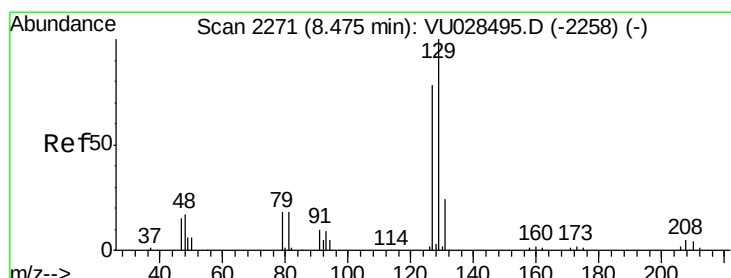
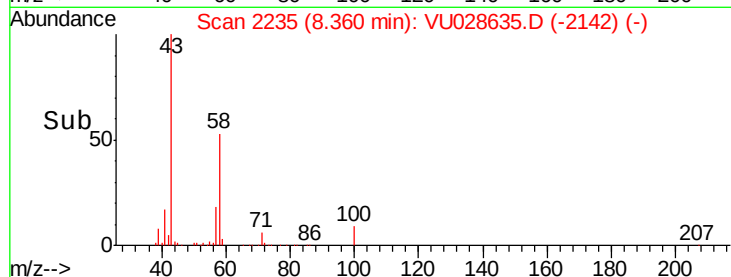
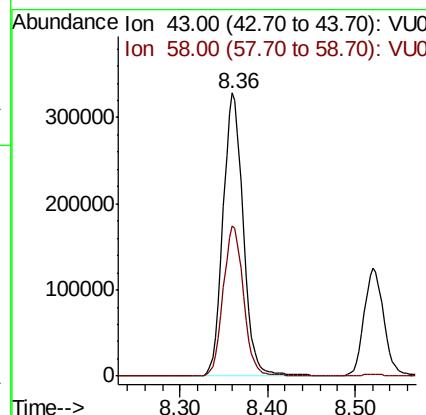
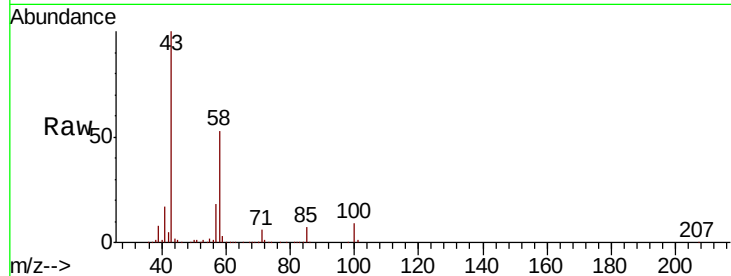
#59
2-Hexanone
Concen: 250.771 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. -0.00 min
Lab File: VU028635.D
Acq: 12 Dec 2018 02:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	527242
Ion Ratio	100	Lower	Upper
43	100		
58	53.6	25.9	77.6

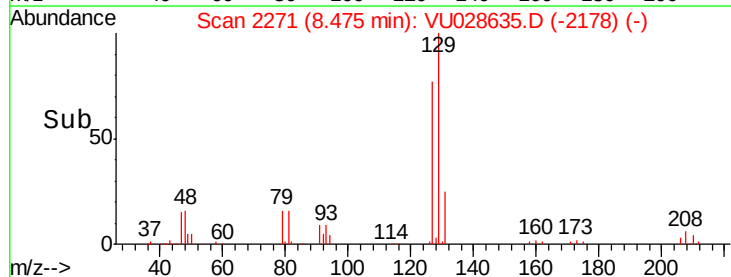
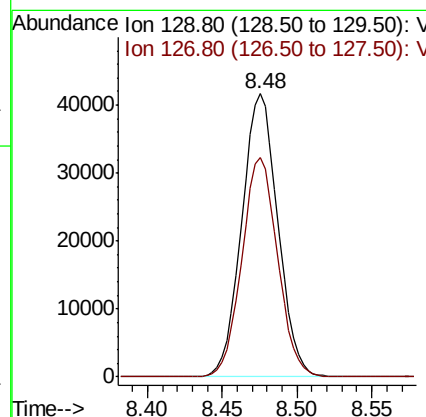
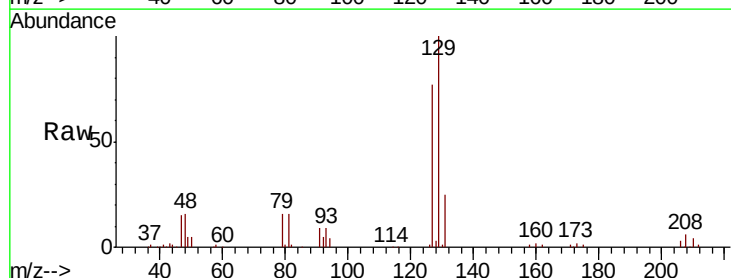
Manual Integrations
APPROVED

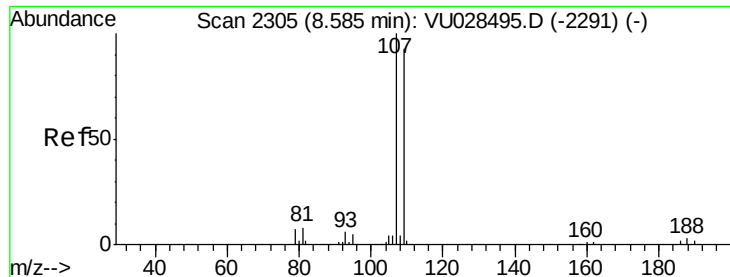
MMDadoda
12/12/2018 11:49:11 AM



#60
Dibromochloromethane
Concen: 50.680 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VU028635.D
Acq: 12 Dec 2018 02:30

Tgt Ion	129	Resp	69930
Ion Ratio	100	Lower	Upper
129	100		
127	76.8	39.1	117.3





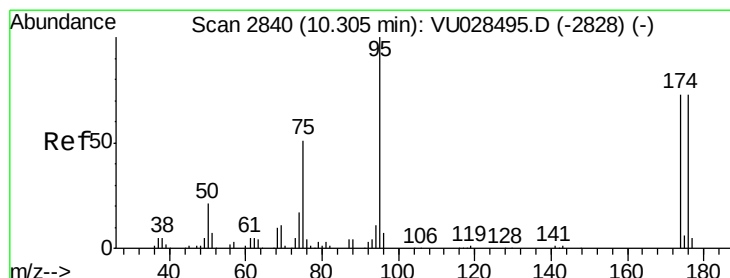
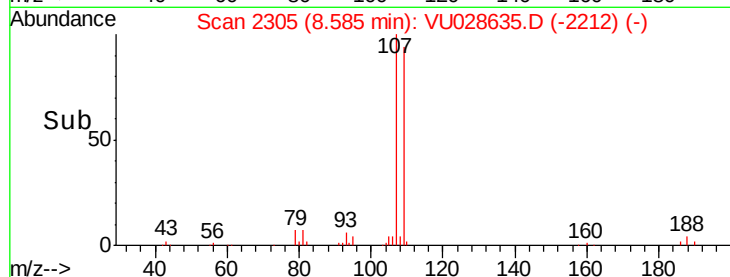
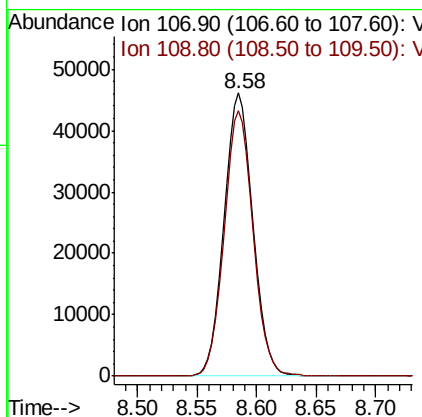
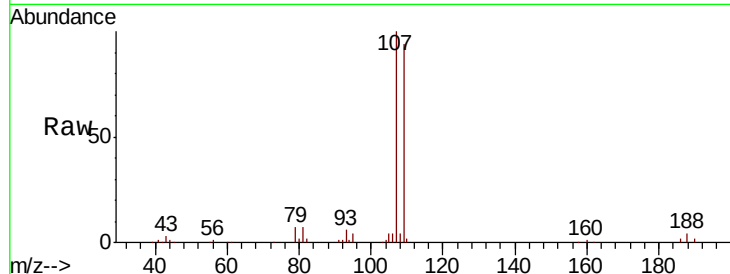
#61
 1,2-Dibromoethane
 Concen: 52.369 ug/l
 RT: 8.58 min Scan# 2305
 Delta R.T. -0.00 min
 Lab File: VU028635.D
 Acq: 12 Dec 2018 02:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.0	74.5	111.7

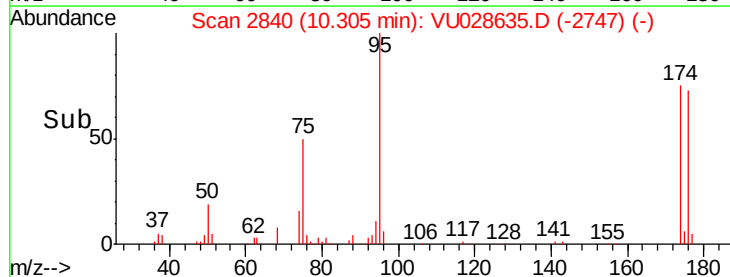
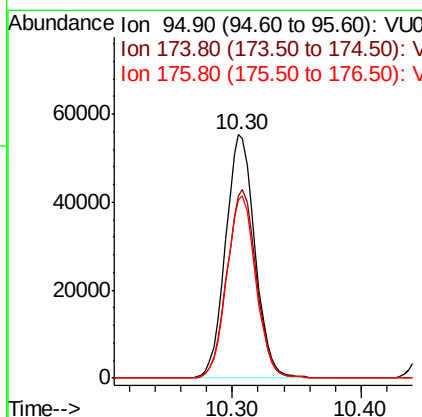
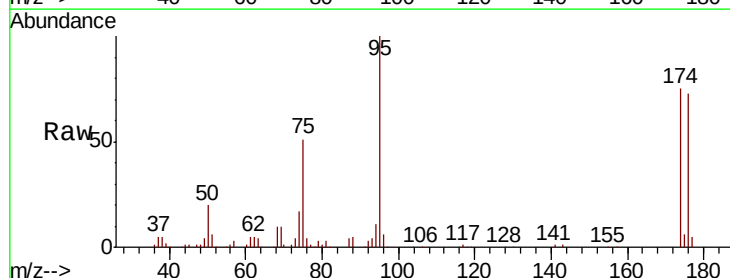
Manual Integrations
 APPROVED

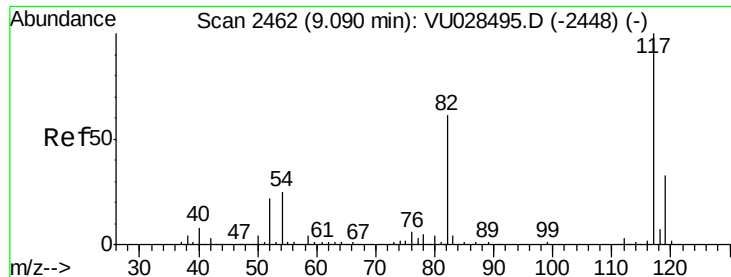
MMDadoda
 12/12/2018 11:49:11 AM



#62
 4-Bromofluorobenzene
 Concen: 49.881 ug/l
 RT: 10.30 min Scan# 2840
 Delta R.T. -0.00 min
 Lab File: VU028635.D
 Acq: 12 Dec 2018 02:30

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.6	0.0	150.4
176	74.5	0.0	145.2





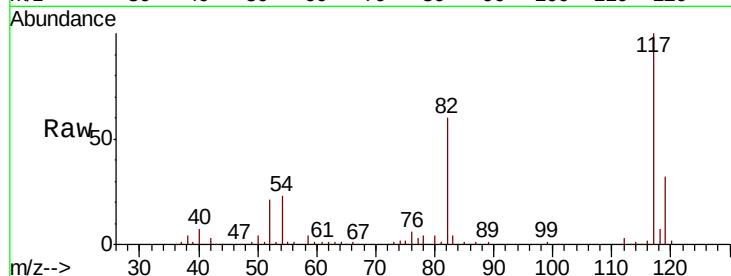
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028635.D
Acq: 12 Dec 2018 02:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	176028		
82	59.8		48.9	73.3
119	32.3		26.2	39.4

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MMDadoda
12/12/2018 11:49:11 AM

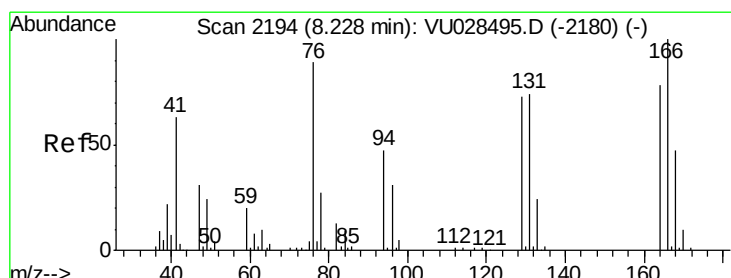
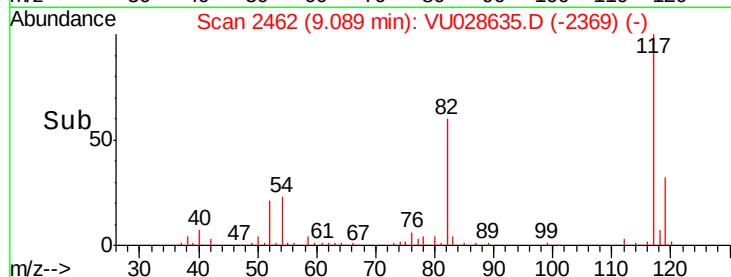
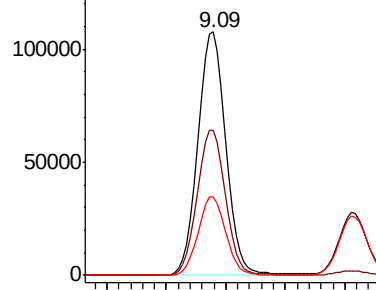


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 51.575 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU028635.D
Acq: 12 Dec 2018 02:30

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	60557		
166	125.2		101.9	152.9
129	95.7		74.9	112.3
131	90.1		75.4	113.0

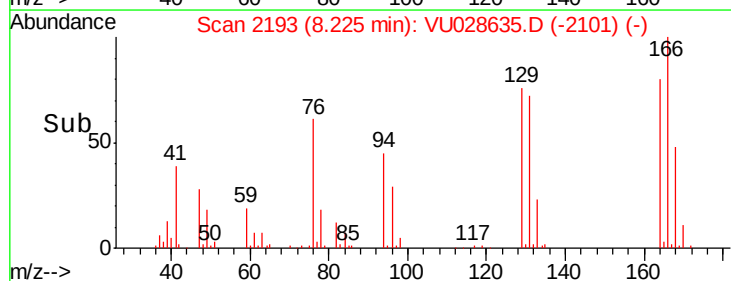
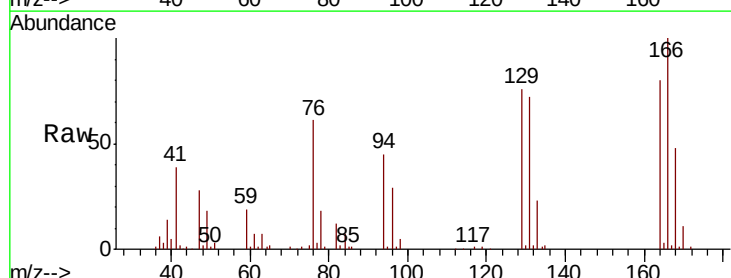
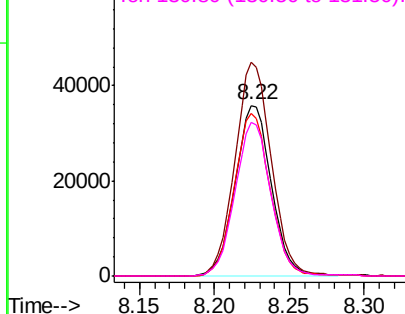
Abundance

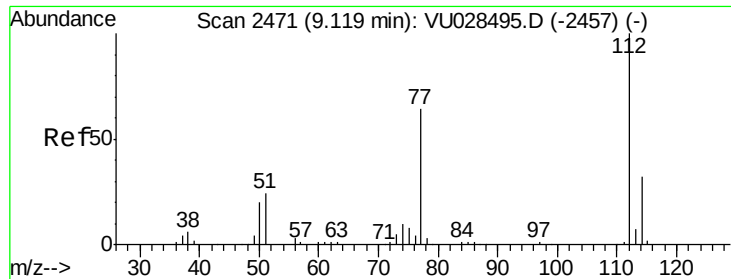
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





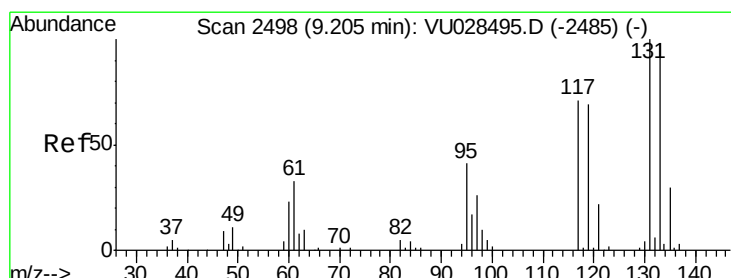
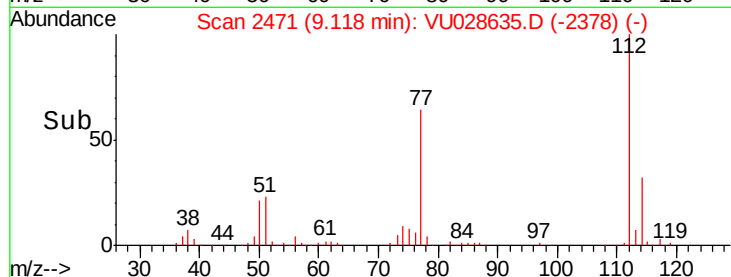
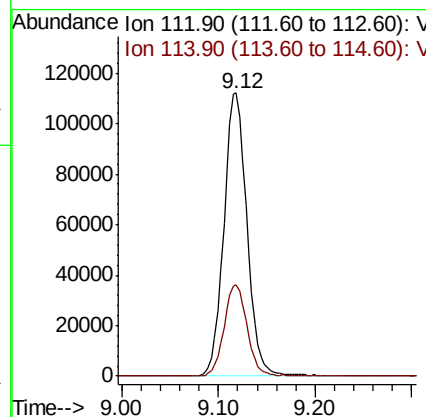
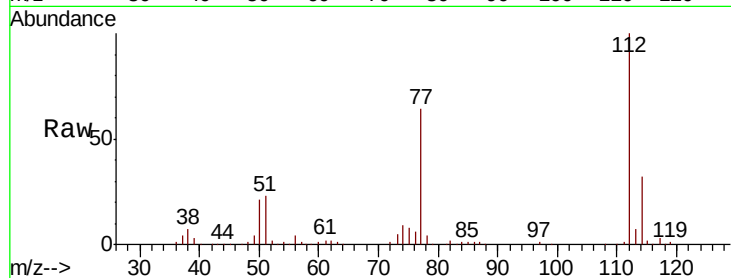
#65
Chlorobenzene
Concen: 49.553 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU028635.D
Acq: 12 Dec 2018 02:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 185873
Ion Ratio Lower Upper
112 100
114 32.2 25.3 37.9

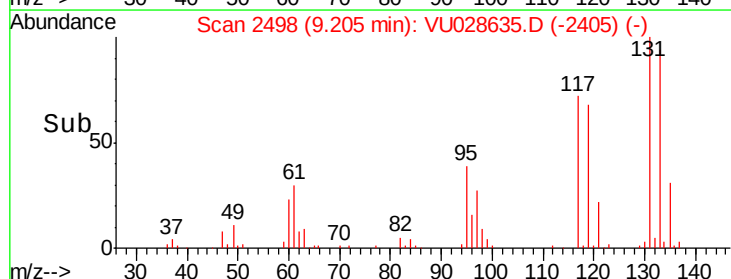
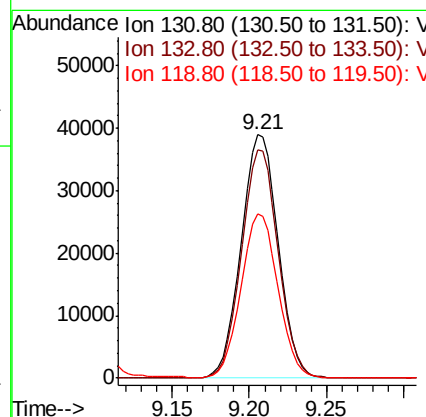
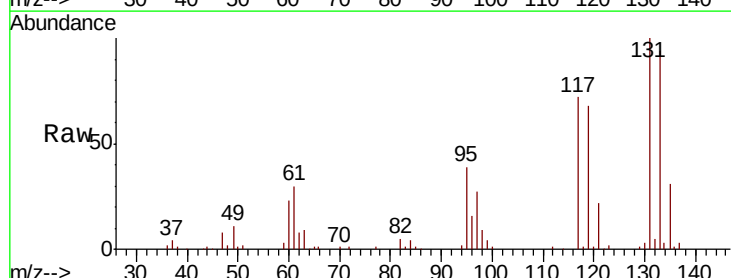
Manual Integrations
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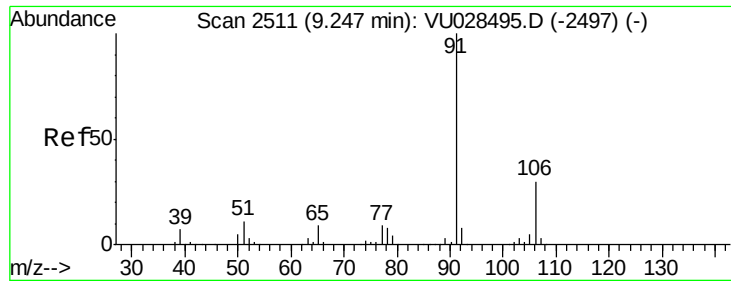
MMDadoda
12/12/2018 11:49:11 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 54.190 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. -0.00 min
Lab File: VU028635.D
Acq: 12 Dec 2018 02:30

Tgt Ion:131 Resp: 64909
Ion Ratio Lower Upper
131 100
133 92.9 48.0 144.0
119 67.5 34.6 103.9





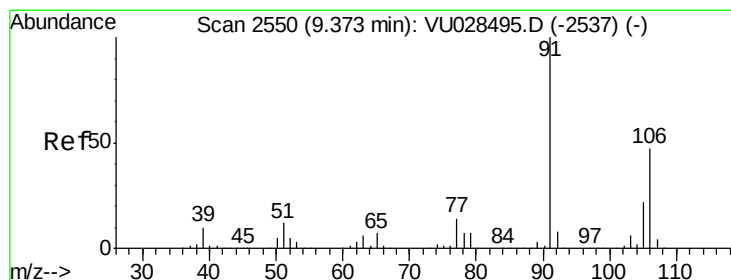
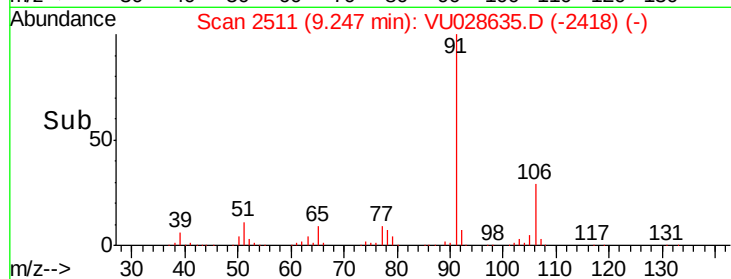
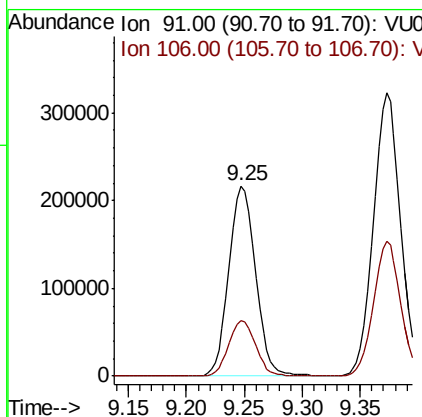
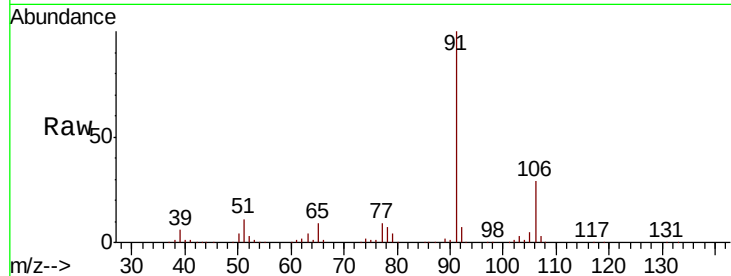
#67
Ethyl Benzene
Concen: 50.199 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. -0.00 min
Lab File: VU028635.D
Acq: 12 Dec 2018 02:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 346147
Ion Ratio Lower Upper
91 100
106 29.4 24.1 36.1

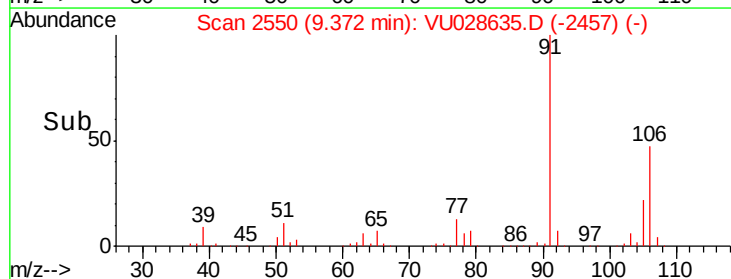
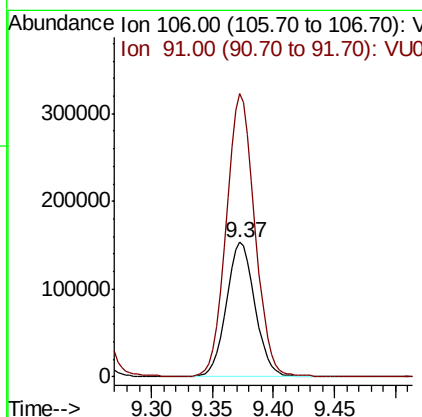
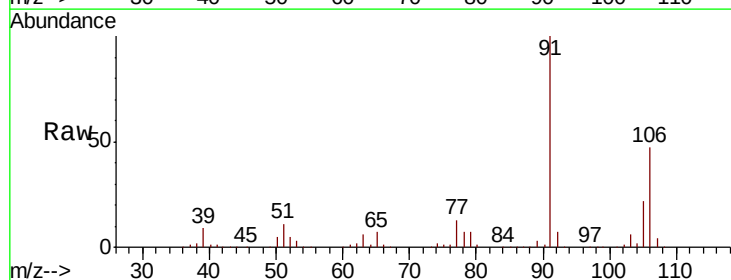
Manual Integrations
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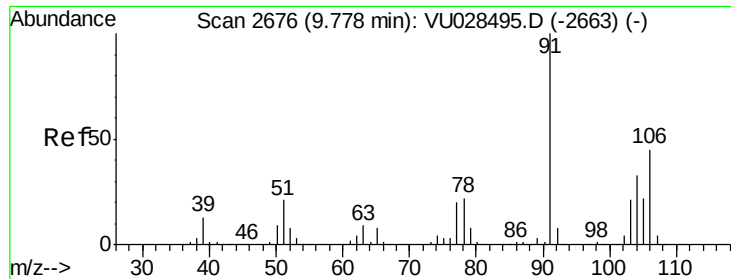
MMDadoda
12/12/2018 11:49:11 AM



#68
m/p-Xylenes
Concen: 100.104 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VU028635.D
Acq: 12 Dec 2018 02:30

Tgt Ion: 106 Resp: 251171
Ion Ratio Lower Upper
106 100
91 211.1 167.4 251.0





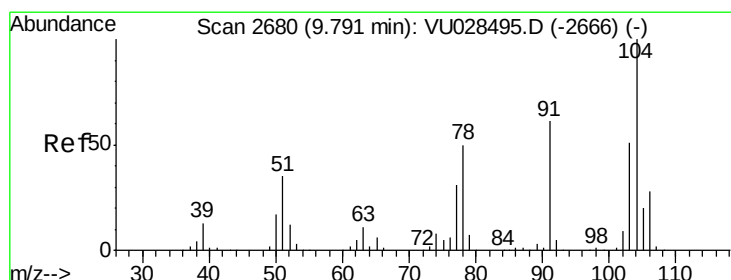
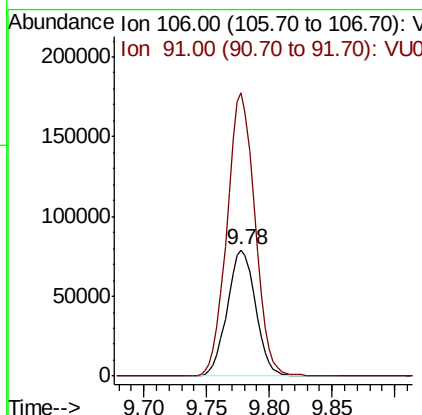
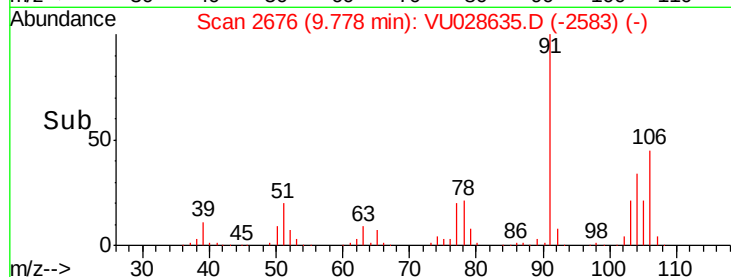
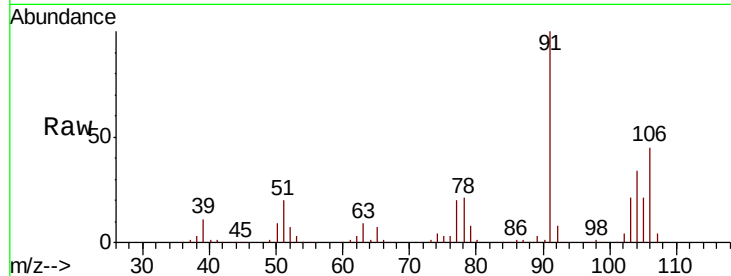
#69
o-Xylene
Concen: 50.929 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VU028635.D
Acq: 12 Dec 2018 02:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 124182
Ion Ratio Lower Upper
106 100
91 221.4 111.3 334.0

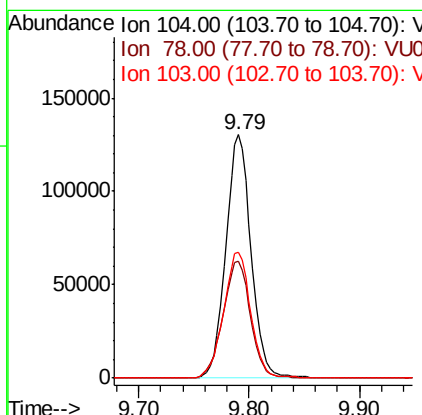
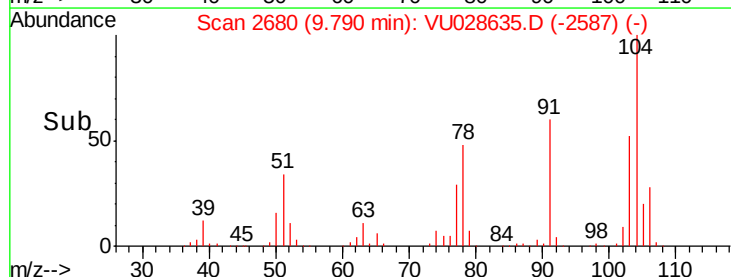
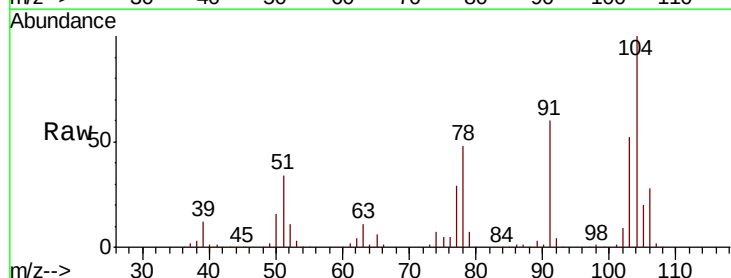
Manual Integrations
APPROVED

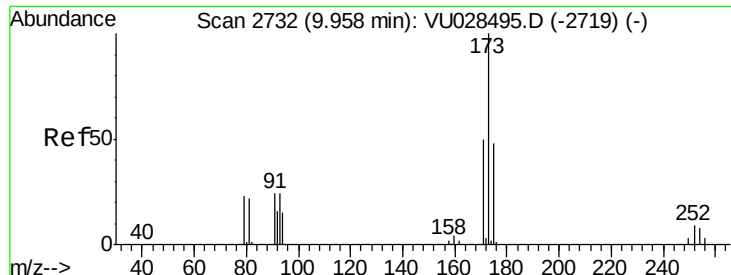
MMDadoda
12/12/2018 11:49:11 AM



#70
Styrene
Concen: 51.170 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. -0.00 min
Lab File: VU028635.D
Acq: 12 Dec 2018 02:30

Tgt Ion:104 Resp: 206484
Ion Ratio Lower Upper
104 100
78 52.4 43.0 64.6
103 55.6 44.2 66.4





#71

Bromoform

Concen: 53.521 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VU028635.D

Acq: 12 Dec 2018 02:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 54536

Ion Ratio Lower Upper

173 100

175 47.3 23.9 71.8

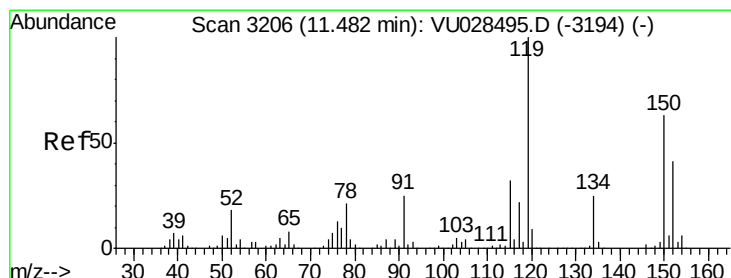
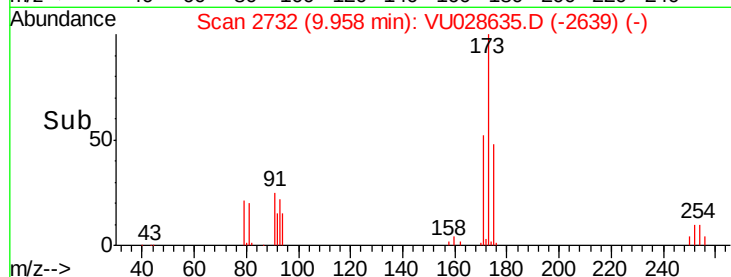
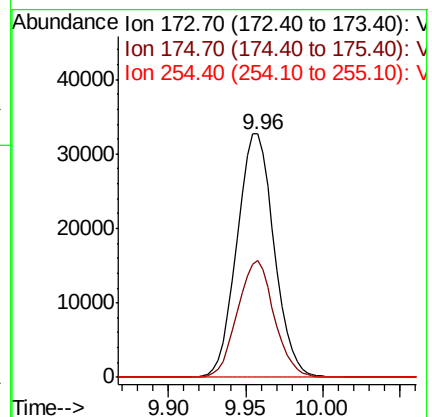
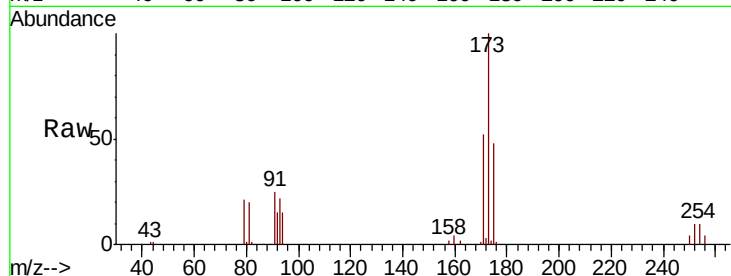
254 0.0 0.0 0.0

Manual Integrations

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU028635.D

Acq: 12 Dec 2018 02:30

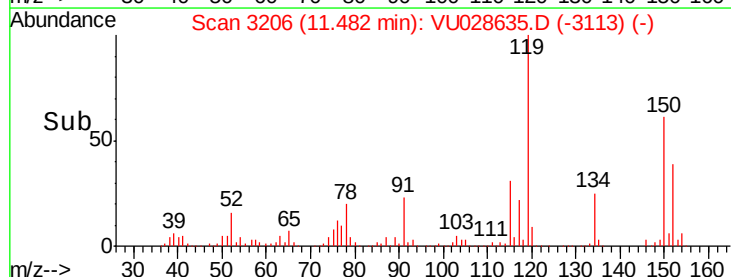
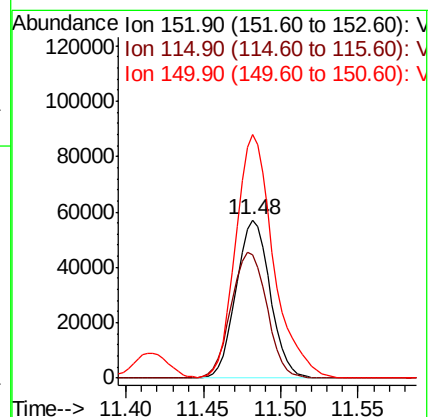
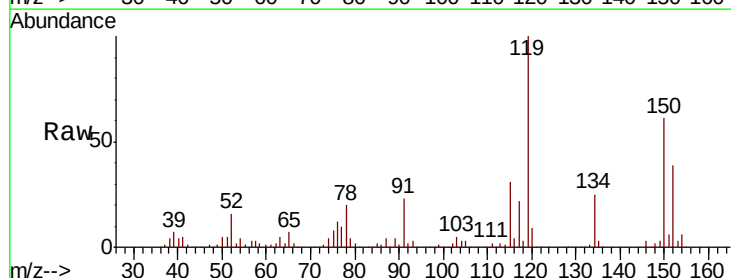
Tgt Ion:152 Resp: 87133

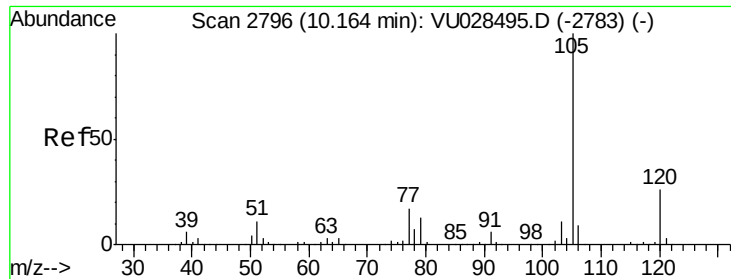
Ion Ratio Lower Upper

152 100

115 83.8 42.7 128.1

150 171.0 0.0 346.0





#73

Isopropylbenzene

Concen: 49.194 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028635.D

Acq: 12 Dec 2018 02:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 328913

Ion Ratio Lower Upper

105 100

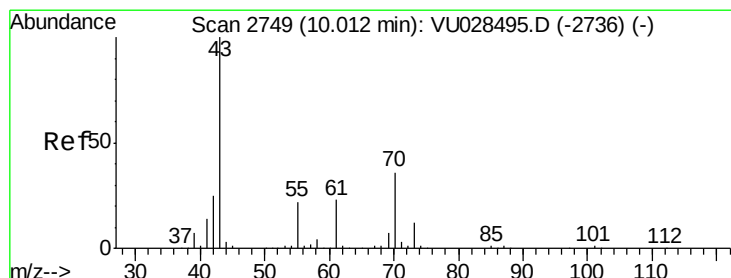
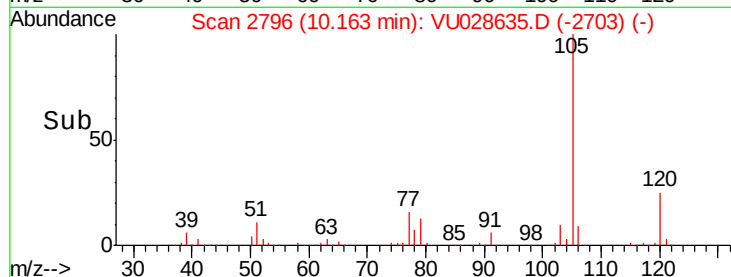
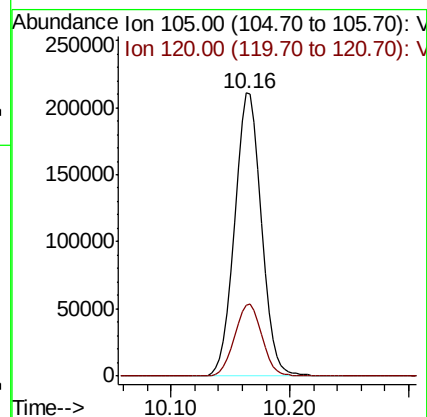
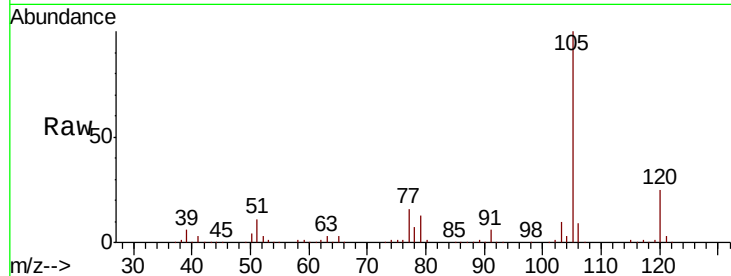
120 25.9 12.9 38.6

Manual Integrations

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MMDadoda

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#74

N-ethyl acetate

Concen: 50.877 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VU028635.D

Acq: 12 Dec 2018 02:30

Tgt Ion: 43 Resp: 196216

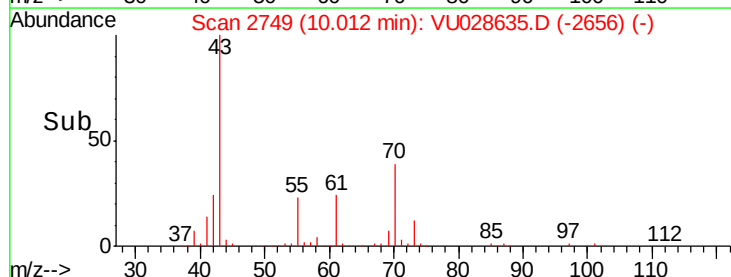
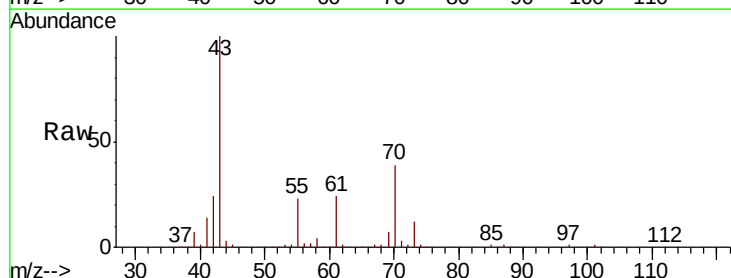
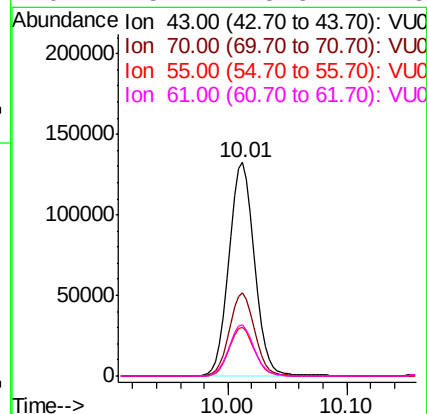
Ion Ratio Lower Upper

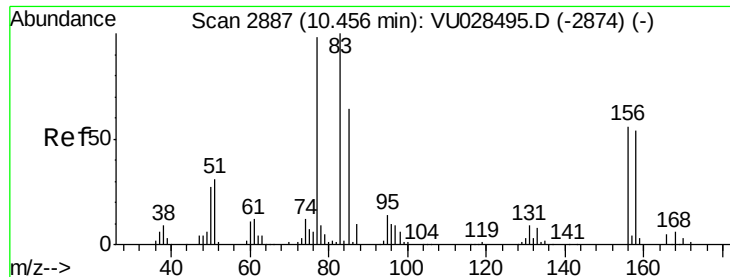
43 100

70 38.7 29.3 43.9

55 22.8 18.0 27.0

61 23.7 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 51.348 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. -0.00 min

Lab File: VU028635.D

Acq: 12 Dec 2018 02:30

Instrument :

MSVOA_U

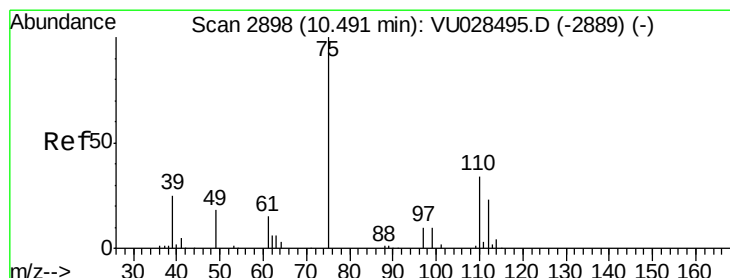
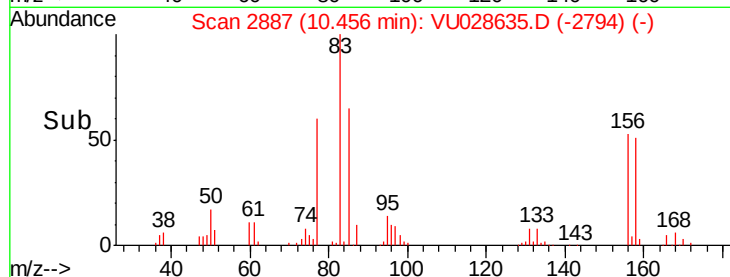
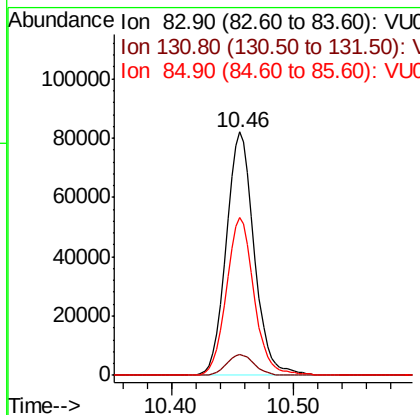
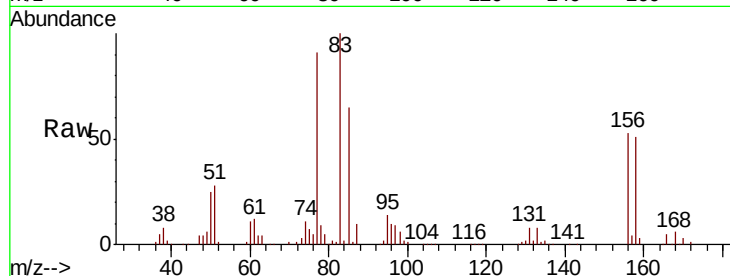
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	131883
Ion Ratio	Lower	Upper	
83	100		
131	8.5	4.2	12.4
85	64.3	31.8	95.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 52.374 ug/l m

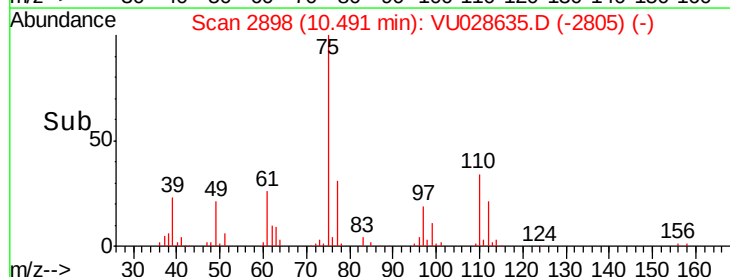
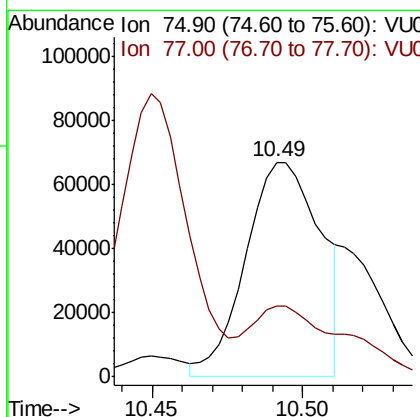
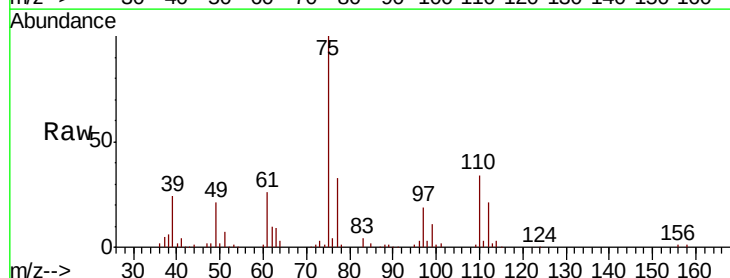
RT: 10.49 min Scan# 2898

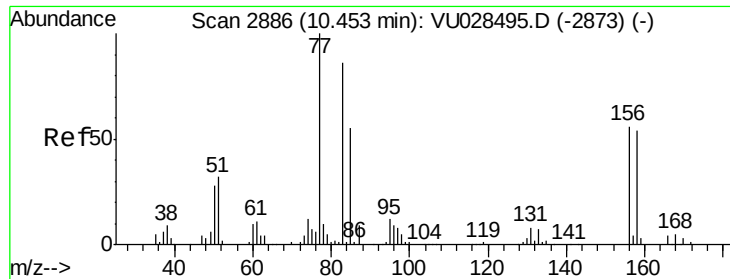
Delta R.T. -0.00 min

Lab File: VU028635.D

Acq: 12 Dec 2018 02:30

Tgt Ion:	75	Resp:	116530
Ion Ratio	Lower	Upper	
75	100		
77	40.9	20.8	62.4





#77

Bromobenzene

Concen: 50.178 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. -0.00 min

Lab File: VU028635.D

Acq: 12 Dec 2018 02:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 78463

Ion Ratio Lower Upper

156 100

77 178.0 92.4 277.2

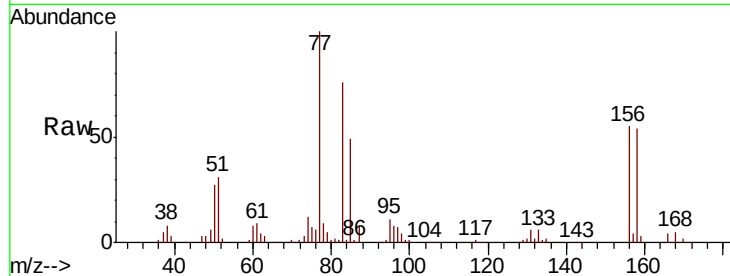
158 97.7 48.4 145.3

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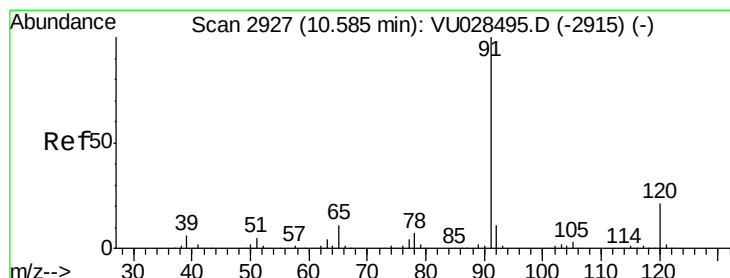
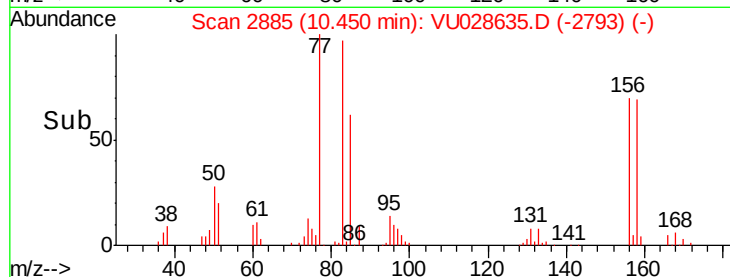
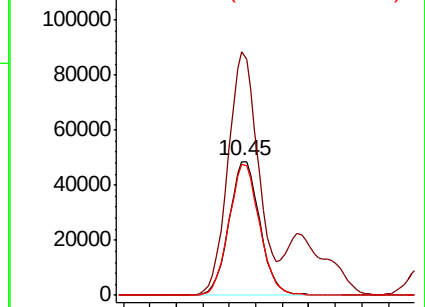
12/12/2018 11:49:11 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.236 ug/l

RT: 10.58 min Scan# 2927

Delta R.T. -0.00 min

Lab File: VU028635.D

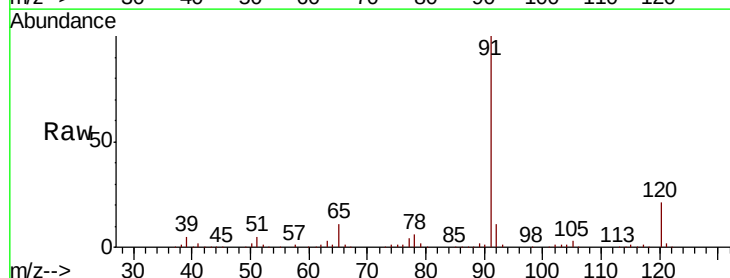
Acq: 12 Dec 2018 02:30

Tgt Ion: 91 Resp: 400745

Ion Ratio Lower Upper

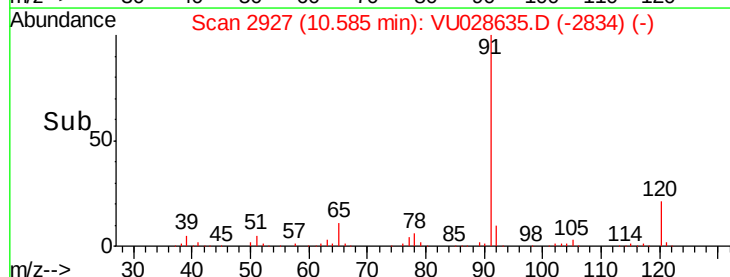
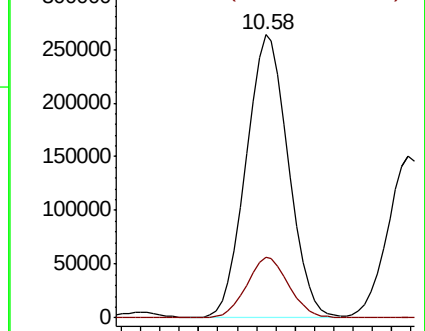
91 100

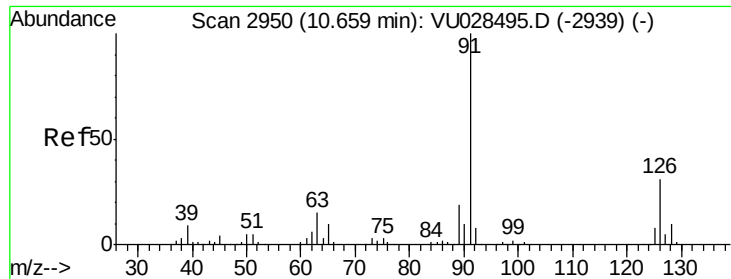
120 21.3 10.6 31.8



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





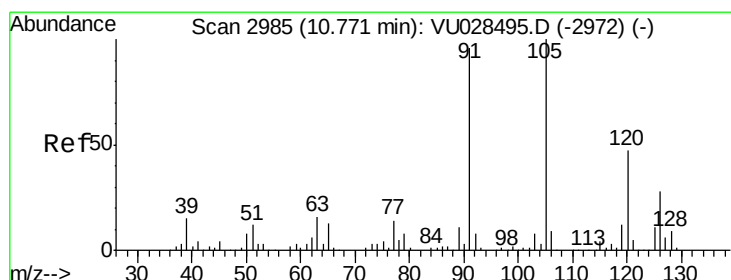
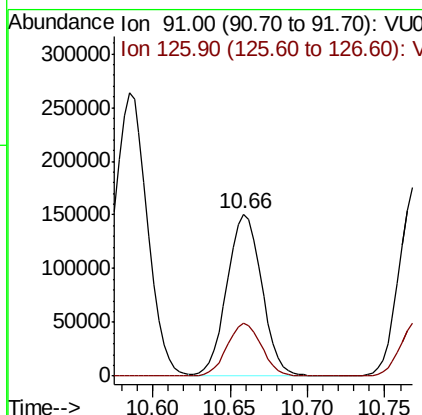
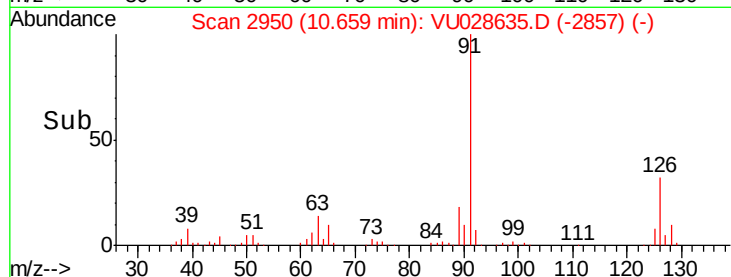
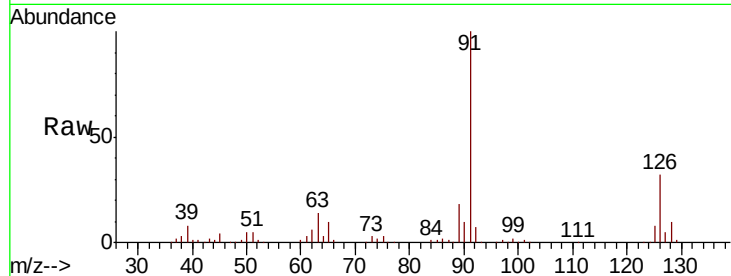
#79
 2-Chlorotoluene
 Concen: 49.318 ug/l
 RT: 10.66 min Scan# 2950
 Delta R.T. -0.00 min
 Lab File: VU028635.D
 Acq: 12 Dec 2018 02:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 236017
 Ion Ratio Lower Upper
 91 100
 126 32.3 15.6 46.8

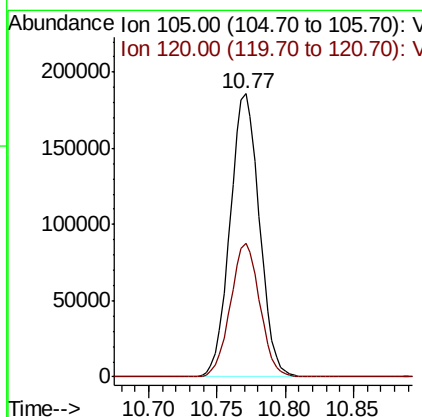
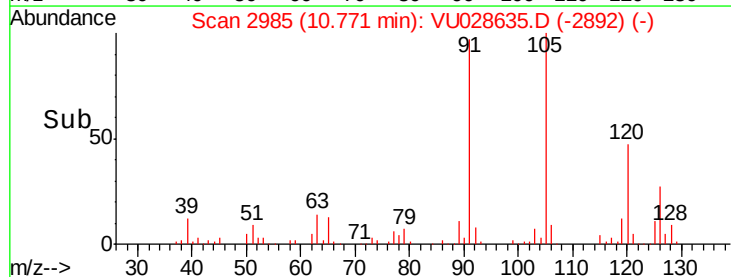
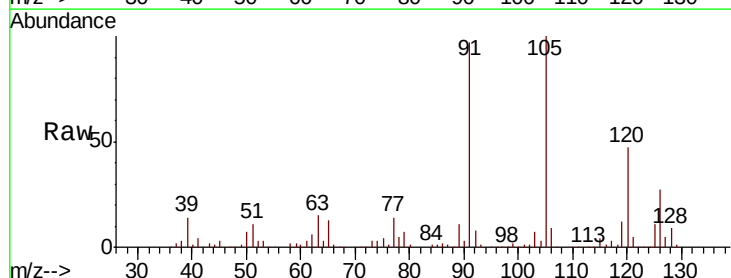
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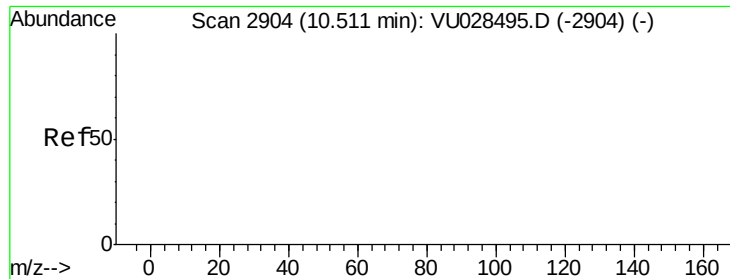
MMDadoda
 12/12/2018 11:49:11 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 50.176 ug/l
 RT: 10.77 min Scan# 2985
 Delta R.T. -0.00 min
 Lab File: VU028635.D
 Acq: 12 Dec 2018 02:30

Tgt Ion: 105 Resp: 277696
 Ion Ratio Lower Upper
 105 100
 120 47.3 23.7 71.1





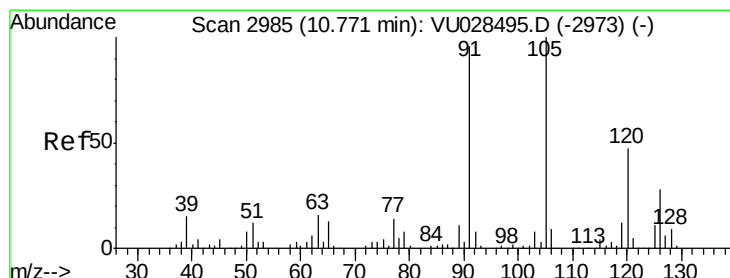
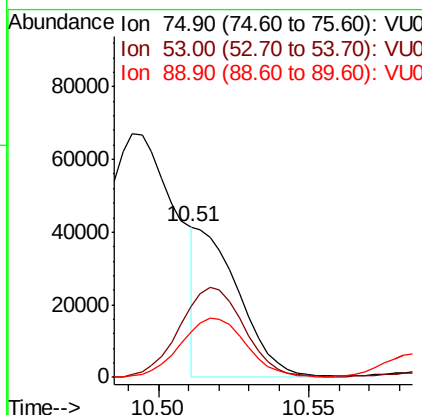
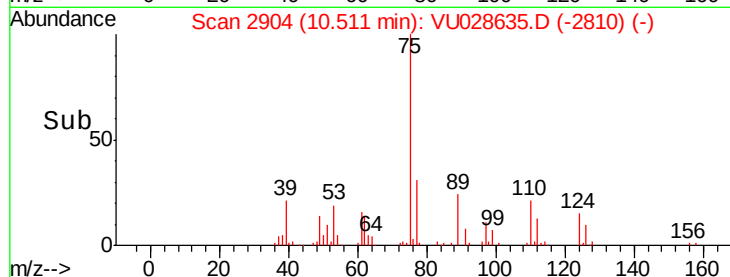
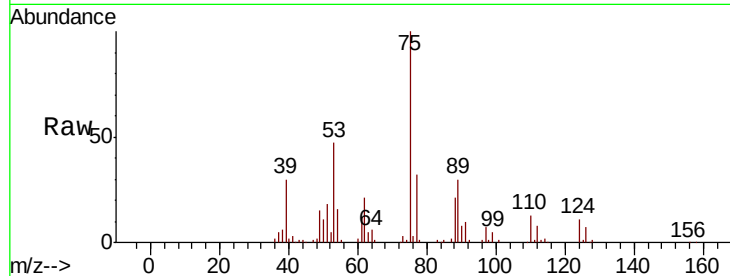
#81
trans-1,4-Dichloro-2-butene
Concen: 44.858 ug/l m
RT: 10.51 min Scan# 2904
Delta R.T. 0.00 min
Lab File: VU028635.D
Acq: 12 Dec 2018 02:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

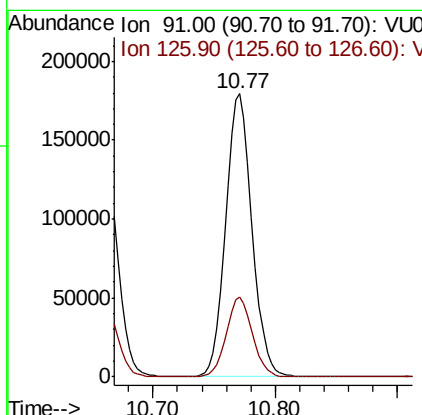
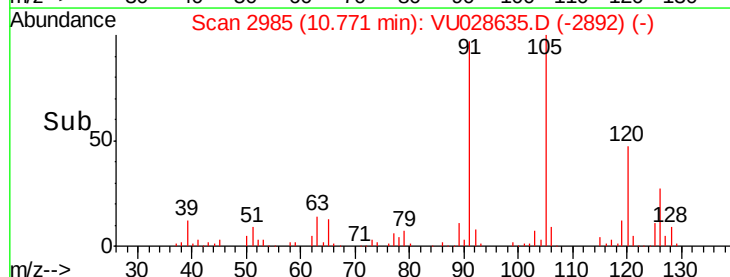
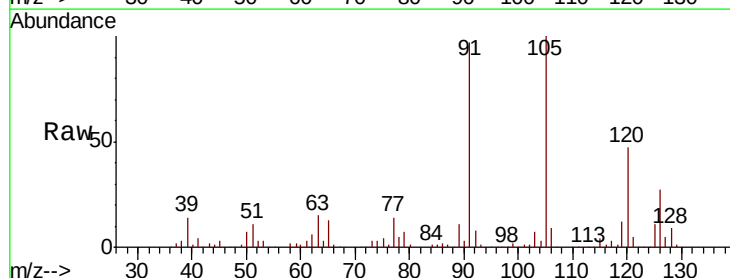
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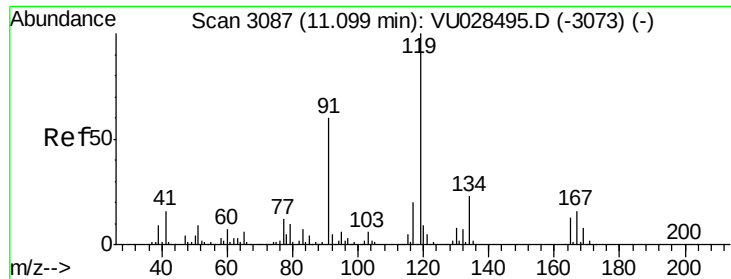
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#82
4-Chlorotoluene
Concen: 47.736 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. -0.00 min
Lab File: VU028635.D
Acq: 12 Dec 2018 02:30

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.1	14.1	42.3





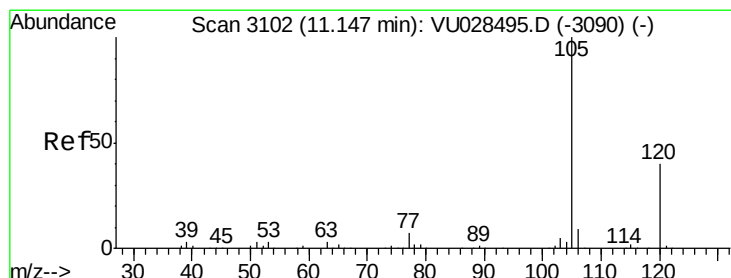
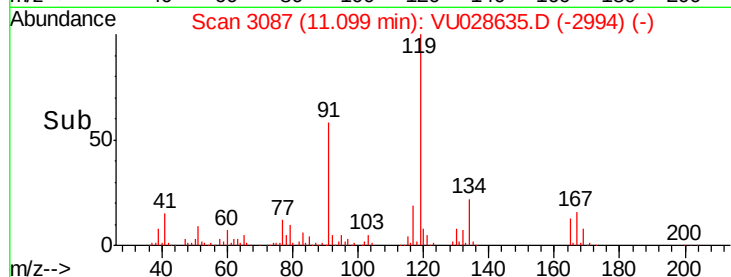
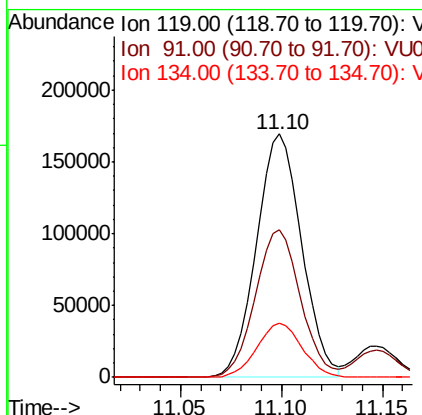
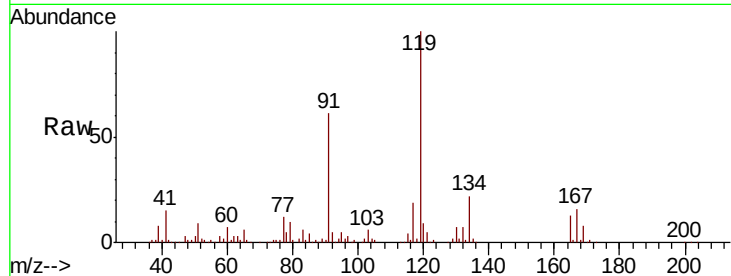
#83
tert-Butylbenzene
Concen: 49.705 ug/l
RT: 11.10 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VU028635.D
Acq: 12 Dec 2018 02:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	265153		
91	60.6	30.3	91.0	
134	22.2	11.2	33.5	

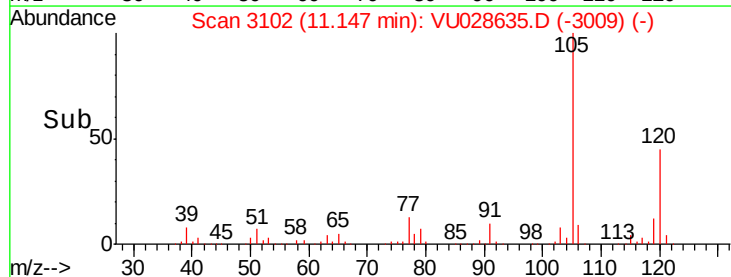
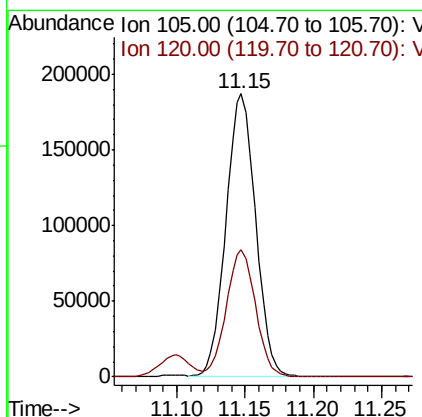
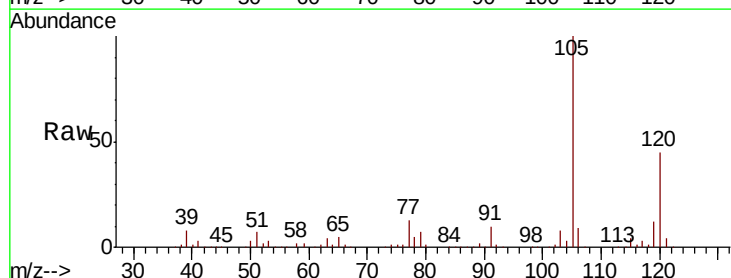
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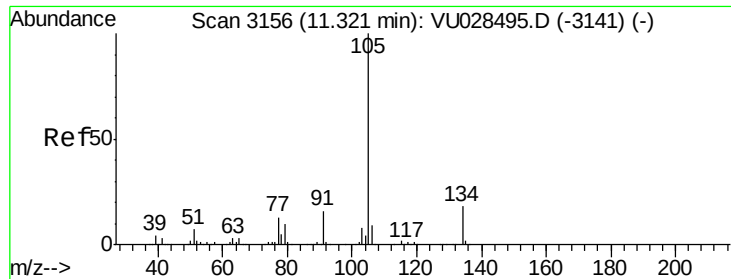
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#84
1,2,4-Trimethylbenzene
Concen: 49.687 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU028635.D
Acq: 12 Dec 2018 02:30

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	283401		
120	44.3	21.8	65.4	





#85

sec-Butylbenzene

Concen: 49.274 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. 0.00 min

Lab File: VU028635.D

Acq: 12 Dec 2018 02:30

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 337681

Ion Ratio Lower Upper

105 100

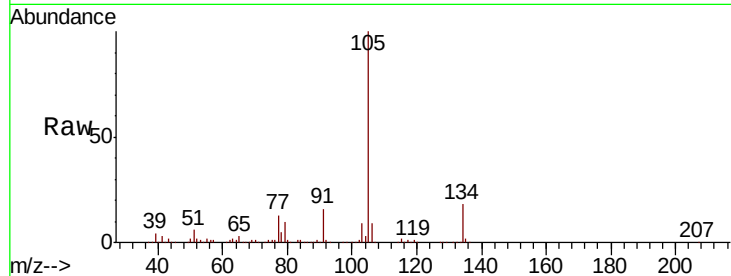
134 18.4 9.2 27.6

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

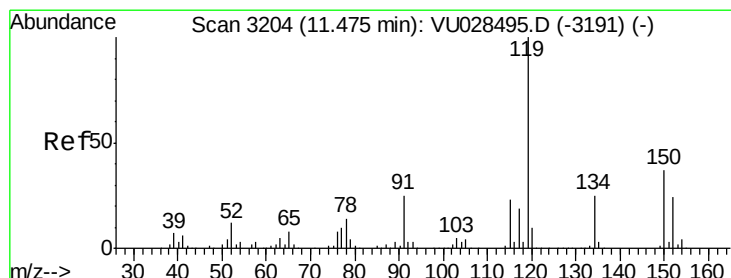
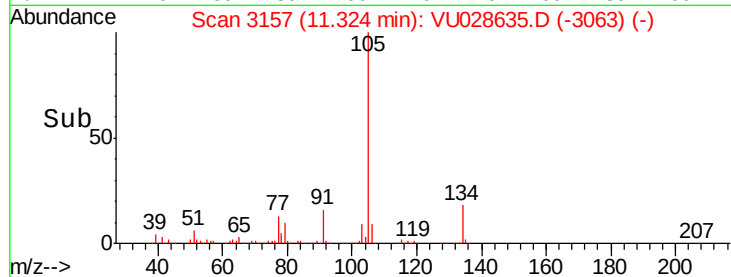
100000

50000

0

11.25 11.30 11.35 11.40

Time-->



#86

p-Isopropyltoluene

Concen: 49.255 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VU028635.D

Acq: 12 Dec 2018 02:30

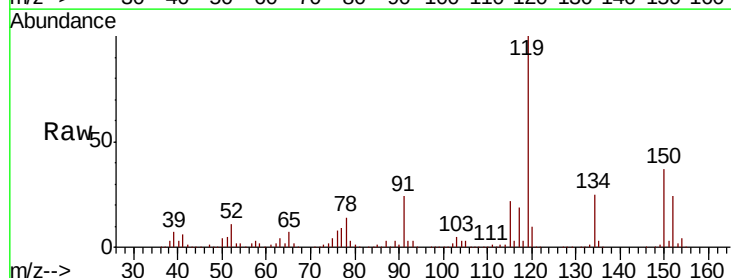
Tgt Ion:119 Resp: 286737

Ion Ratio Lower Upper

119 100

134 25.2 12.7 38.1

91 24.3 12.6 37.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

250000

200000

150000

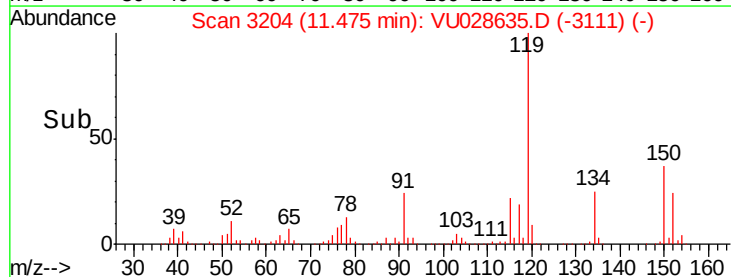
100000

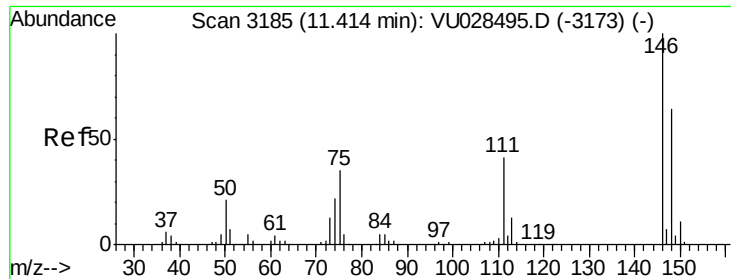
50000

0

11.40 11.45 11.50 11.55

Time-->





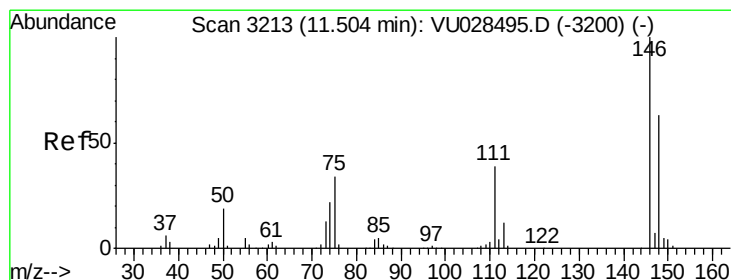
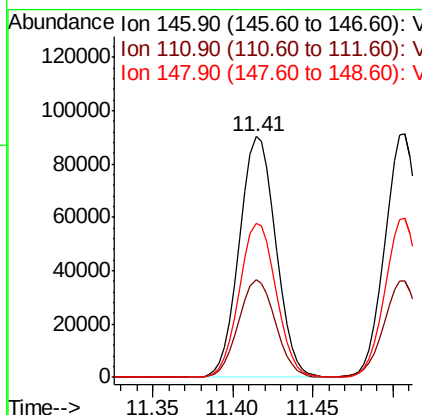
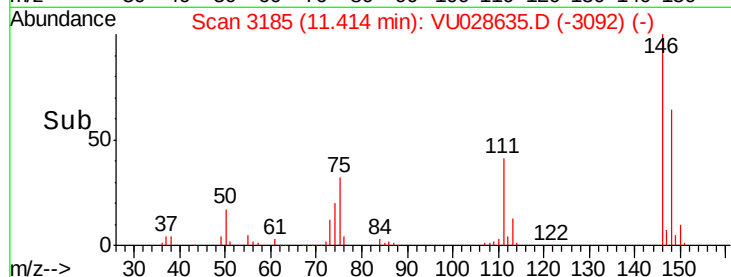
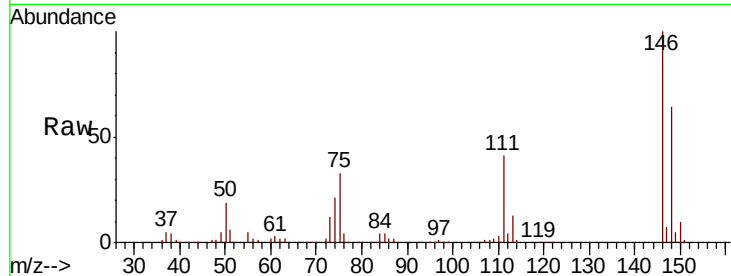
#87
 1,3-Dichlorobenzene
 Concen: 47.520 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. -0.00 min
 Lab File: VU028635.D
 Acq: 12 Dec 2018 02:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.7	62.1
148	64.8	31.9	95.7

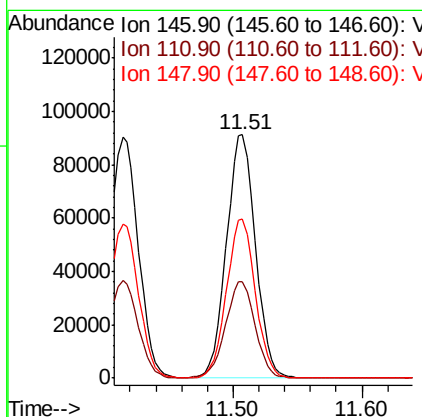
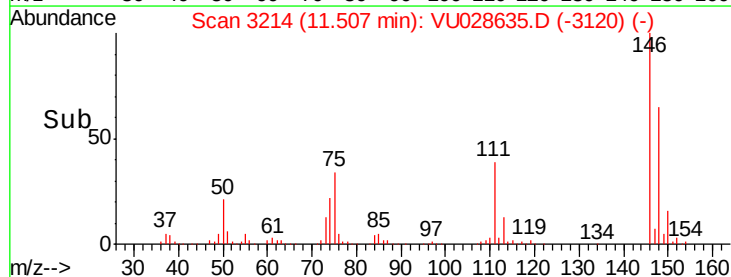
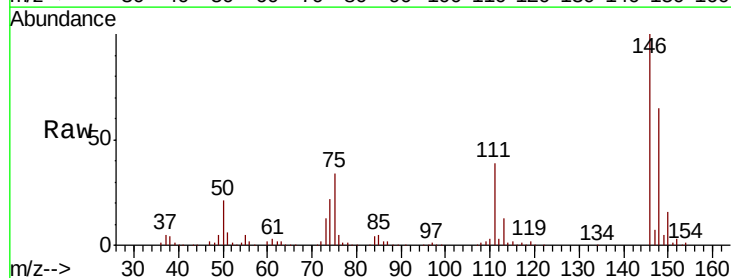
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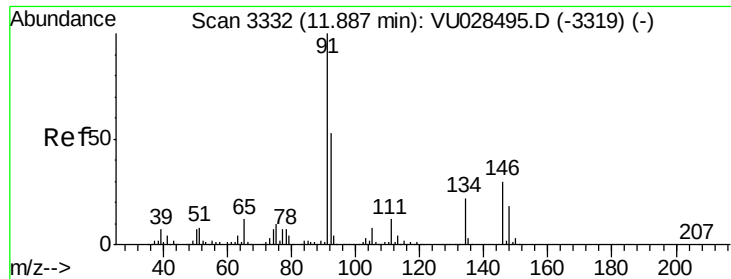
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#88
 1,4-Dichlorobenzene
 Concen: 46.628 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU028635.D
 Acq: 12 Dec 2018 02:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.2	60.5
148	64.9	31.6	95.0





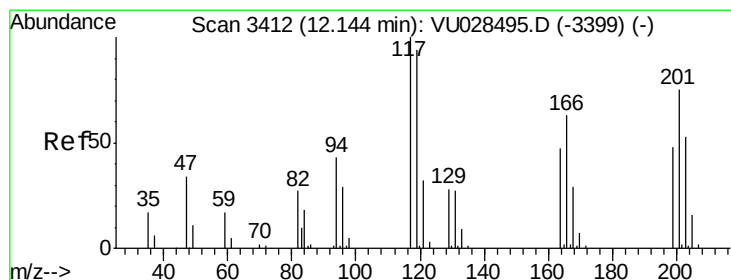
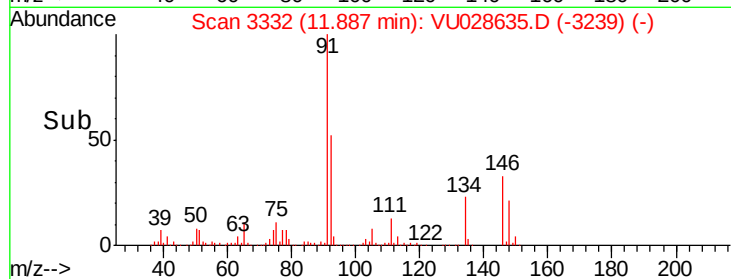
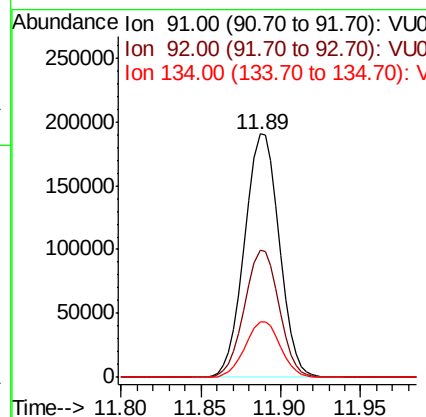
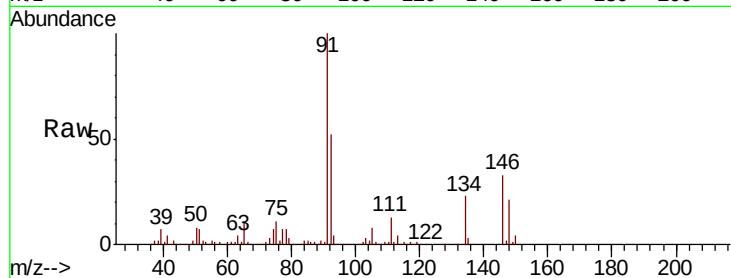
#89
n-Butylbenzene
Concen: 47.695 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VU028635.D
Acq: 12 Dec 2018 02:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.3	78.9
134	23.1	11.3	33.8

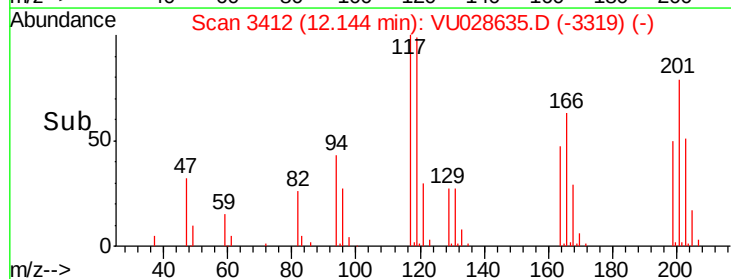
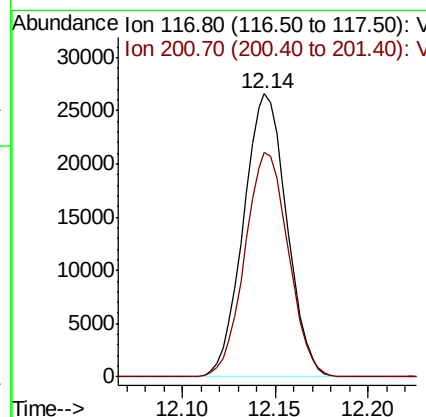
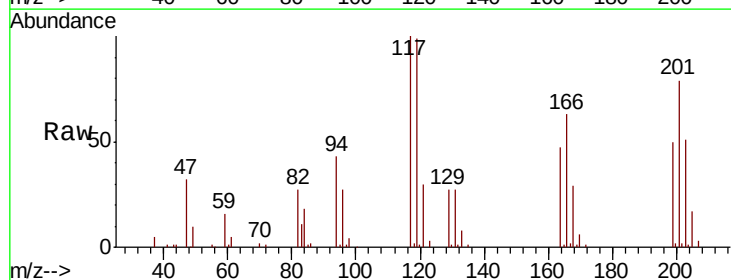
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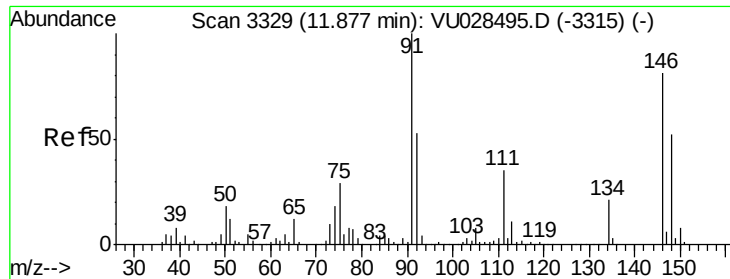
MMDadoda
12/12/2018 11:49:11 AM



#90
Hexachloroethane
Concen: 48.908 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. -0.00 min
Lab File: VU028635.D
Acq: 12 Dec 2018 02:30

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.0	38.1	114.5





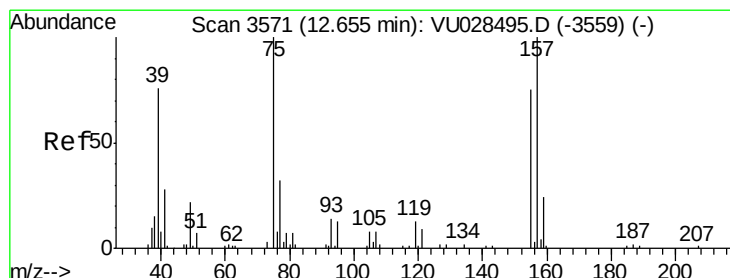
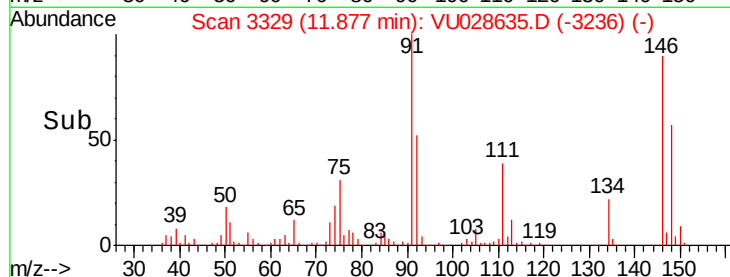
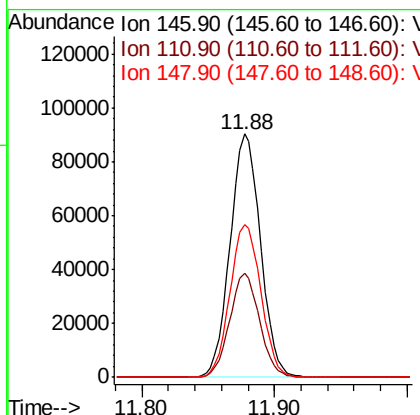
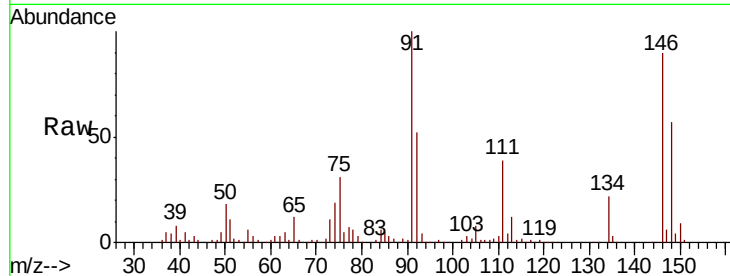
#91
 1,2-Dichlorobenzene
 Concen: 48.714 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VU028635.D
 Acq: 12 Dec 2018 02:30

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.1	63.4
148	63.6	31.4	94.2

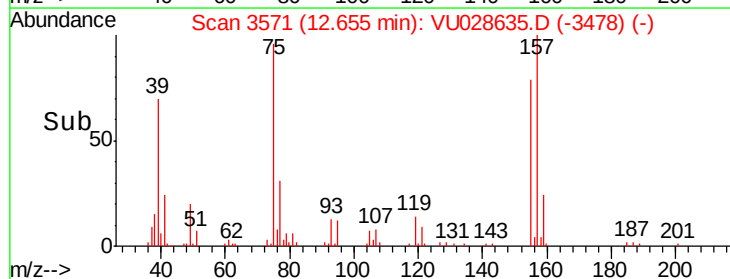
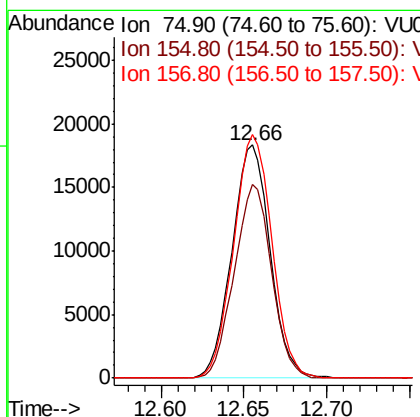
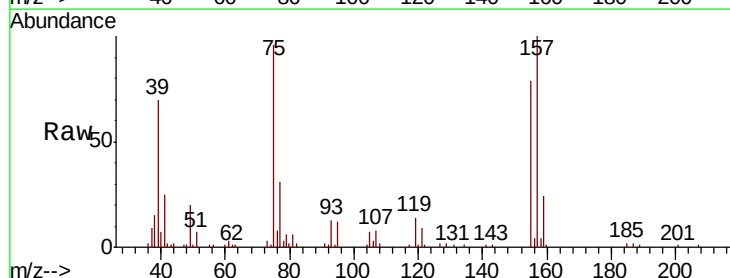
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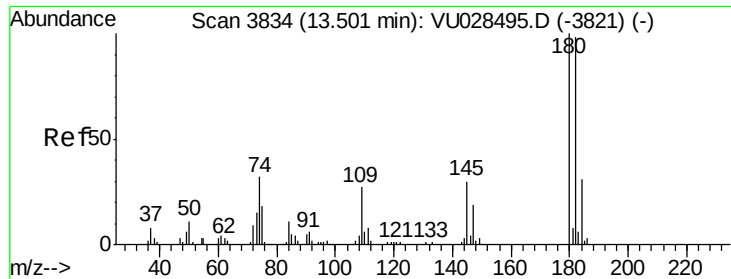
MMDadoda
 12/12/2018 11:49:11 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.785 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU028635.D
 Acq: 12 Dec 2018 02:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.0	38.1	114.5
157	104.9	48.7	146.1





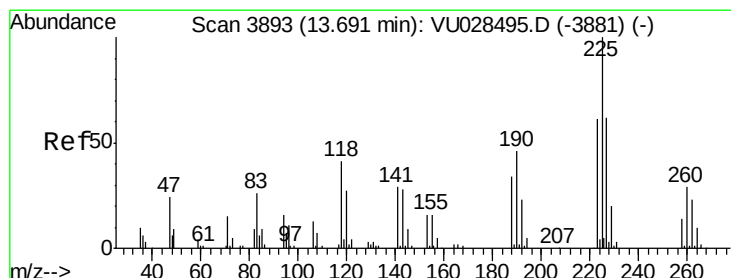
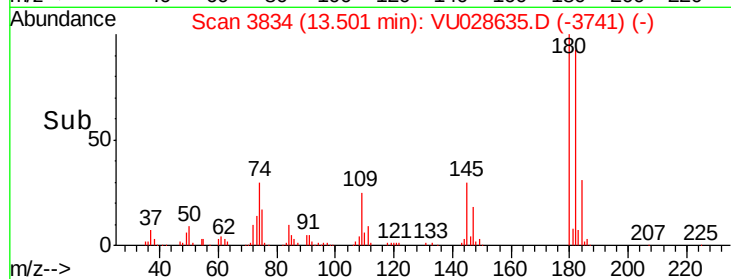
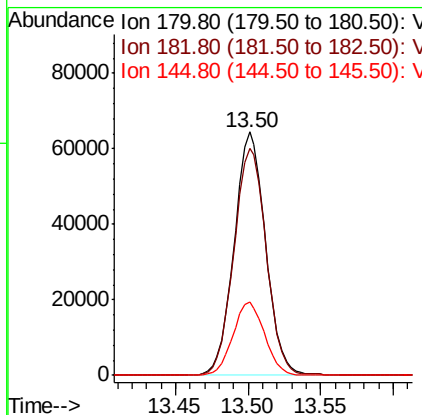
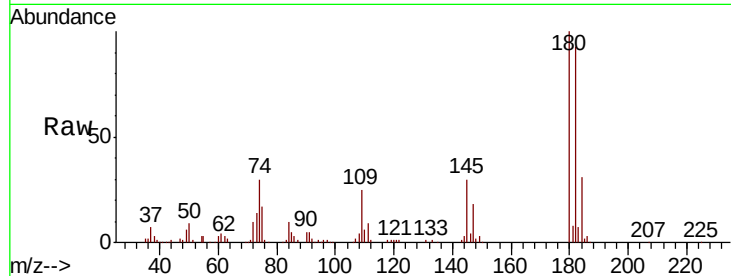
#93
1,2,4-Trichlorobenzene
Concen: 47.786 ug/l
RT: 13.50 min Scan# 3834
Delta R.T. -0.00 min
Lab File: VU028635.D
Acq: 12 Dec 2018 02:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.9	143.8
145	30.3	15.0	45.1

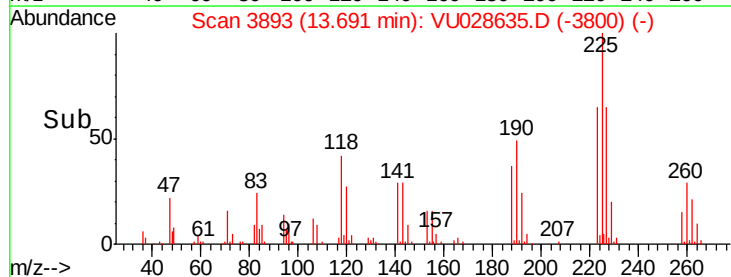
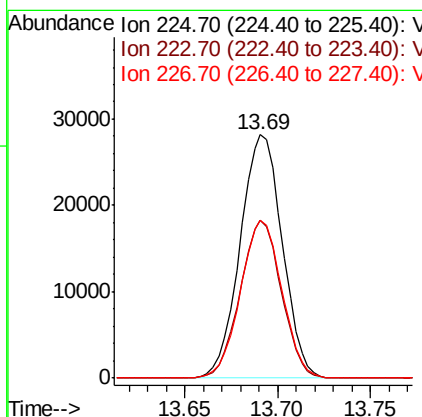
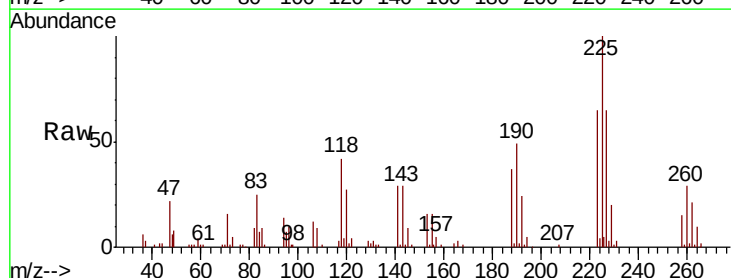
Manual Integrations
APPROVED

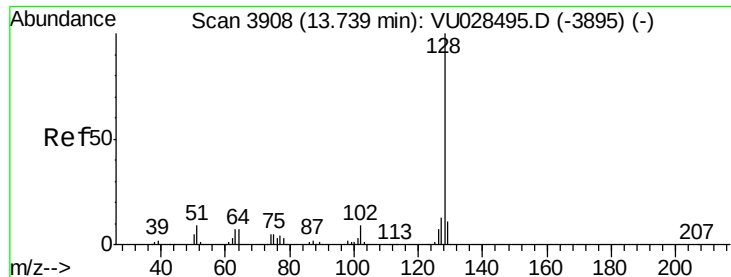
MMDadoda
12/12/2018 11:49:11 AM



#94
Hexachlorobutadiene
Concen: 45.837 ug/l
RT: 13.69 min Scan# 3893
Delta R.T. -0.00 min
Lab File: VU028635.D
Acq: 12 Dec 2018 02:30

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	30.4	91.2
227	64.0	30.7	92.1





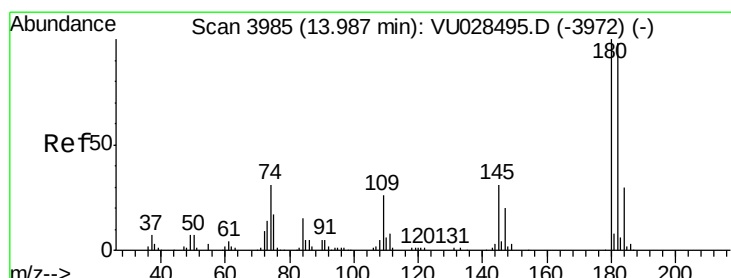
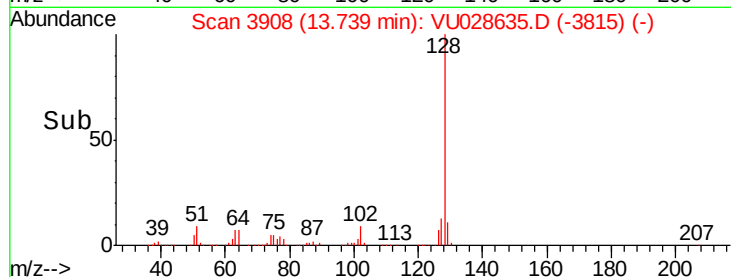
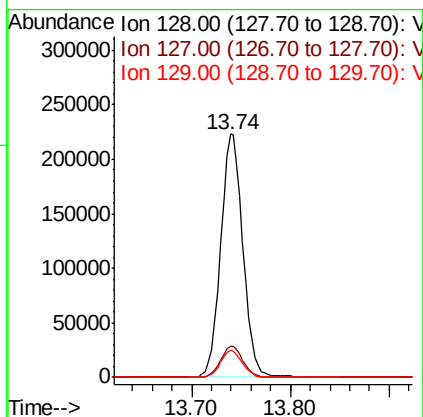
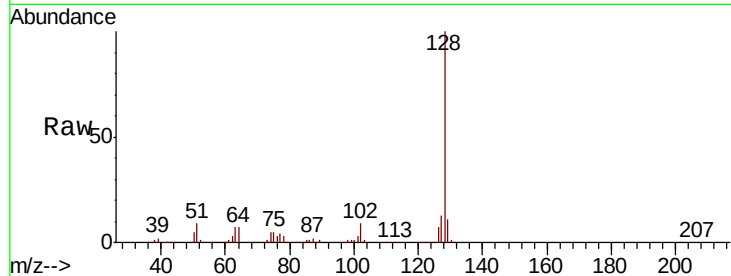
#95
Naphthalene
Concen: 49.846 ug/l
RT: 13.74 min Scan# 3908
Delta R.T. -0.00 min
Lab File: VU028635.D
Acq: 12 Dec 2018 02:30

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
12/12/2018 11:49:11 AM



#96
1,2,3-Trichlorobenzene
Concen: 50.442 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028635.D
Acq: 12 Dec 2018 02:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	48.2	144.6
145	31.6	15.8	47.3

