

Data File : VU023625.D
Acq On : 04 May 2018 02:15
Operator : MD/SY
Sample : J2630-18
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Quant Time: May 04 04:47:59 2018
Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMUTR050418WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 04 04:44:45 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	84275	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	77809	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	28009	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	35432	5.80	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	116.00%
7) Chloroethane-d5	1.68	69	30928	6.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	136.20%#
11) 1,1-Dichloroethene-d2	2.27	63	36522	3.35	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.00%
20) 2-Butanone-d5	4.21	46	168436	95.24	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	190.48%#
24) Chloroform-d	4.65	84	76196	6.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	139.00%#
26) 1,2-Dichloroethane-d4	5.32	65	48279	8.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	164.40%#
32) Benzene-d6	5.34	84	126892	6.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	123.00%
36) 1,2-Dichloropropane-d6	6.34	67	54513	8.02	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	160.40%#
41) Toluene-d8	7.57	98	79442	4.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.80%
43) trans-1,3-Dichloropropene-	7.86	79	10825	4.32	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.40%
46) 2-Hexanone-d5	8.32	63	118042	91.97	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	183.94%#
57) 1,1,2,2-Tetrachloroethane-	10.44	84	48106	8.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	177.80%#
64) 1,2-Dichlorobenzene-d4	11.87	152	33981	6.52	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	130.40%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	2692	0.34	ug/L	92
5) Vinyl chloride	1.40	62	476629	60.49	ug/L	93
12) 1,1-Dichloroethene	2.28	96	5592	1.13	ug/L #	1
13) Acetone	2.33	43	9846	9.74	ug/L	99
16) Methylene chloride	2.70	84	1897	0.33	ug/L	98
17) Methyl tert-butyl Ether	3.00	73	3619	0.28	ug/L #	79
18) trans-1,2-Dichloroethene	2.98	96	21159	3.86	ug/L	97
21) 2-Butanone	4.28	43	2611	1.40	ug/L #	51
22) cis-1,2-Dichloroethene	4.23	96	4066704	624.03	ug/L	97
34) Trichloroethene	6.19	95	1195724	195.81	ug/L	99
35) Methylcyclohexane	6.34	83	11853	1.28	ug/L #	15
37) 1,2-Dichloropropane	6.33	63	5520	0.85	ug/L #	89
45) 1,1,2-Trichloroethane	8.23	97	13780	3.37	ug/L #	1
47) Tetrachloroethene	8.23	164	1788003	369.73	ug/L	99
48) 2-Hexanone	8.39	43	1170	0.41	ug/L #	85
49) Dibromochloromethane	8.23	129	1678299	358.47	ug/L #	9
59) 1,2,3-Trichloropropane	11.49	75	3415	0.89	ug/L #	86

Data Path : W:\HPCHEM1\MSVOA_U\DATA\VU050418\
Quantitation Report (Not Reviewed)

Data File : VU023625.D
Acq On : 04 May 2018 02:15
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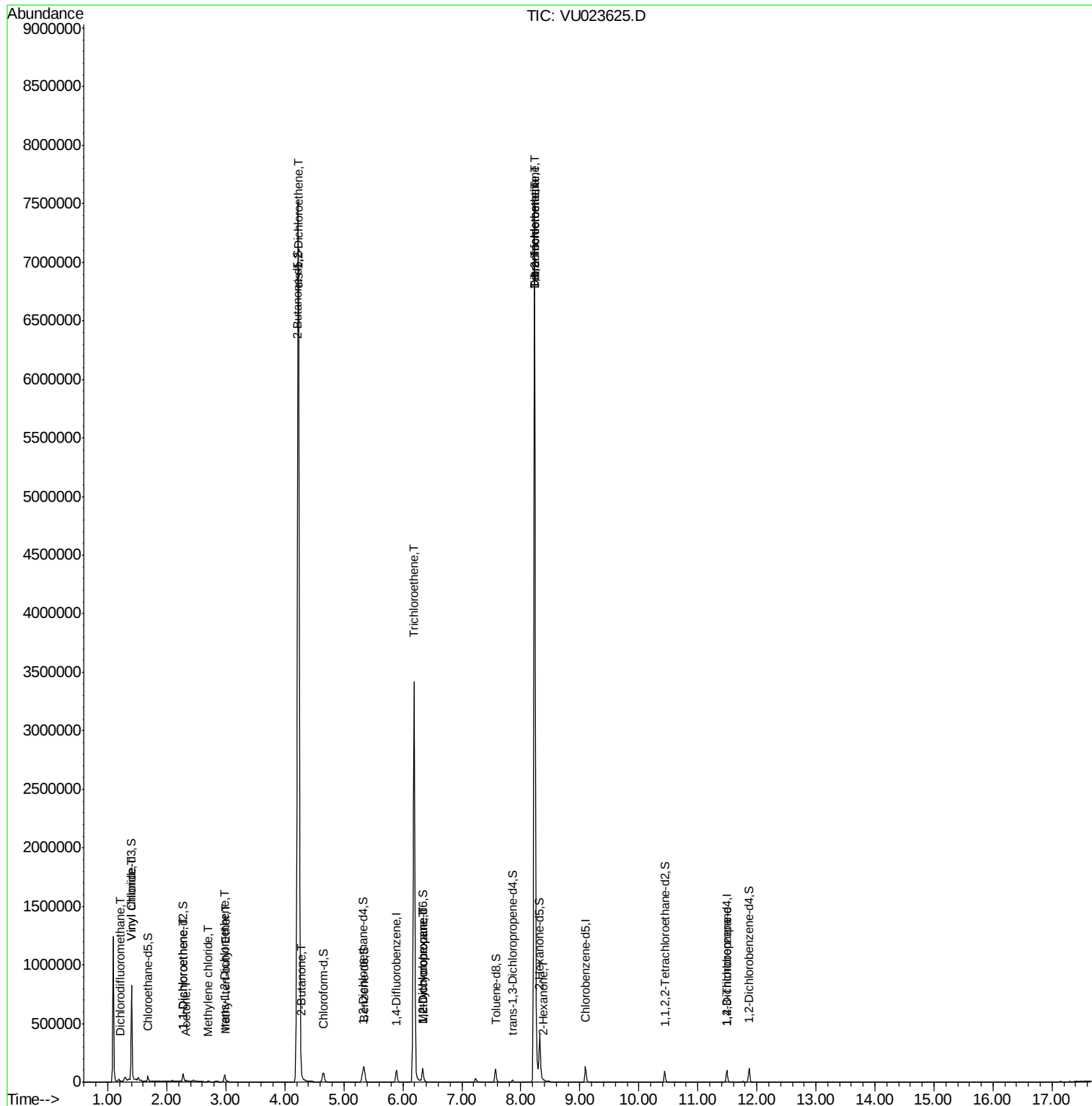
Quant Time: May 04 04:47:59 2018
Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMUTR050418WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 04 04:44:45 2018
Response via : Initial Calibration

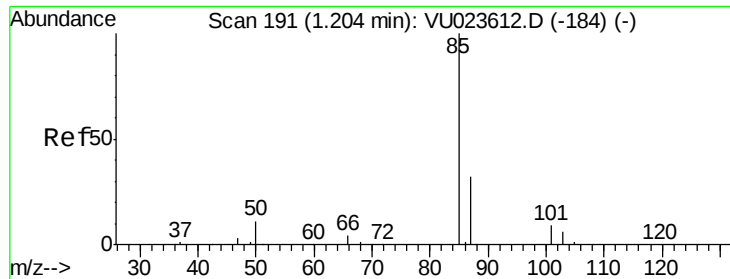
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.34 ug/L

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU023625.D

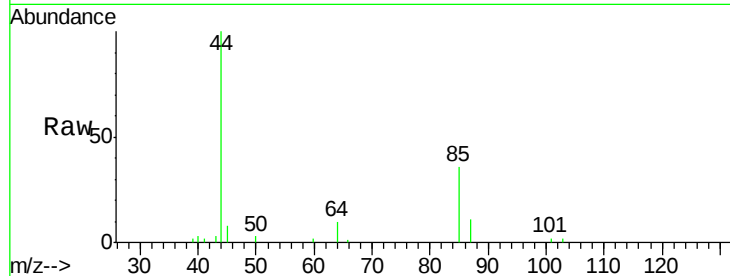
Acq: 04 May 2018 02:15

Tgt Ion: 85 Resp: 2692

Ion Ratio Lower Upper

85 100

87 28.0 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

1.21

2500

2000

1500

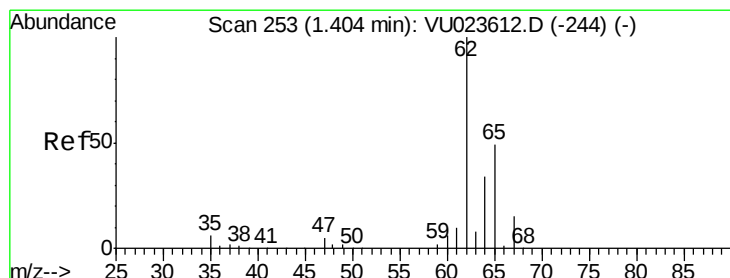
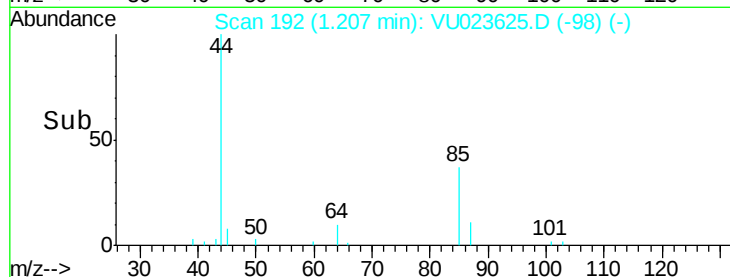
1000

500

0

Time-->

1.18 1.20 1.22 1.24



#5

Vinyl chloride

Concen: 60.49 ug/L

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU023625.D

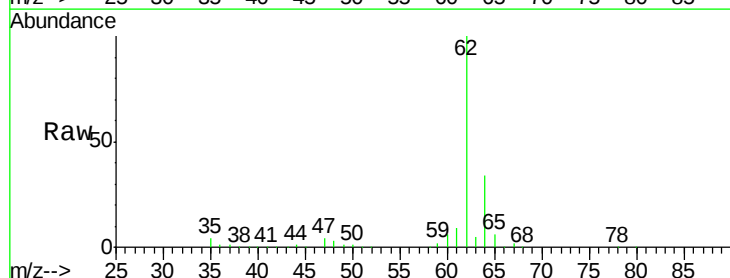
Acq: 04 May 2018 02:15

Tgt Ion: 62 Resp: 476629

Ion Ratio Lower Upper

62 100

64 33.9 26.9 49.9



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.40

500000

400000

300000

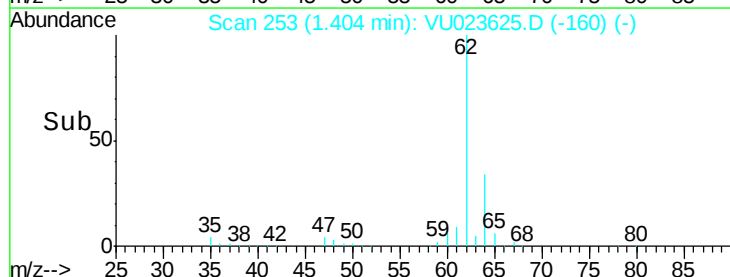
200000

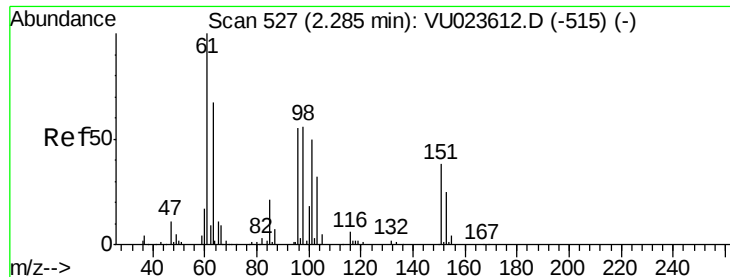
100000

0

Time-->

1.35 1.40 1.45 1.50





#12

1,1-Dichloroethene

Concen: 1.13 ug/L

RT: 2.28 min Scan# 527

Delta R.T. -0.00 min

Lab File: VU023625.D

Acq: 04 May 2018 02:15

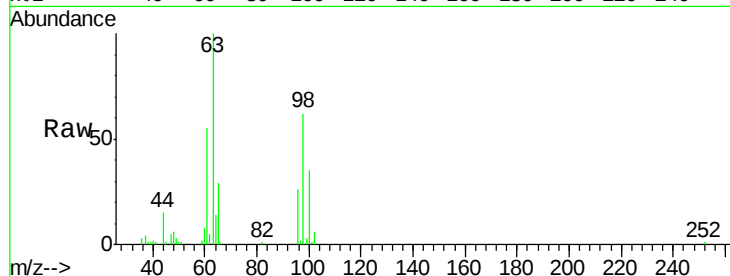
Tgt Ion: 96 Resp: 5592

Ion Ratio Lower Upper

96 100

61 217.0 127.4 236.6

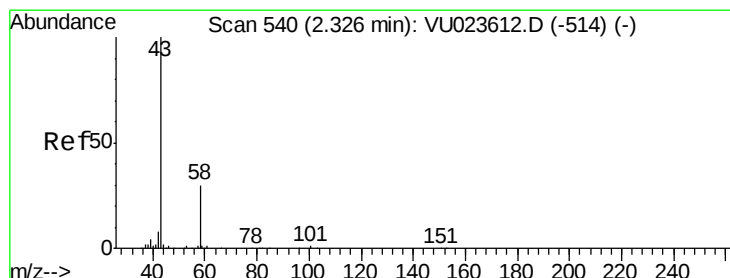
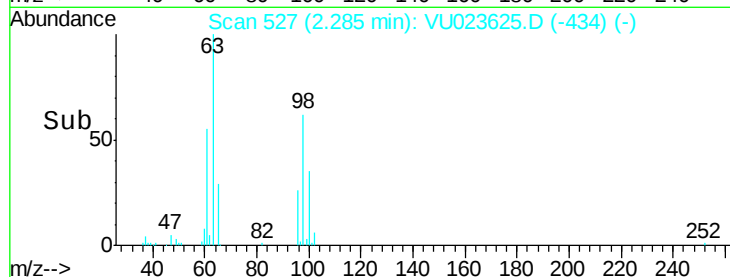
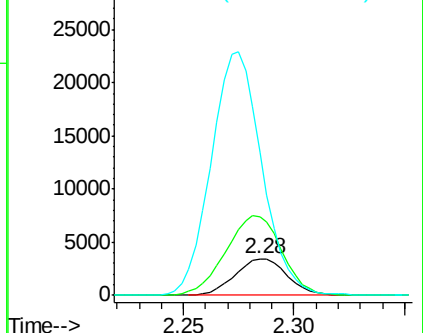
63 391.9 84.8 157.4#



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0



#13

Acetone

Concen: 9.74 ug/L

RT: 2.33 min Scan# 540

Delta R.T. -0.00 min

Lab File: VU023625.D

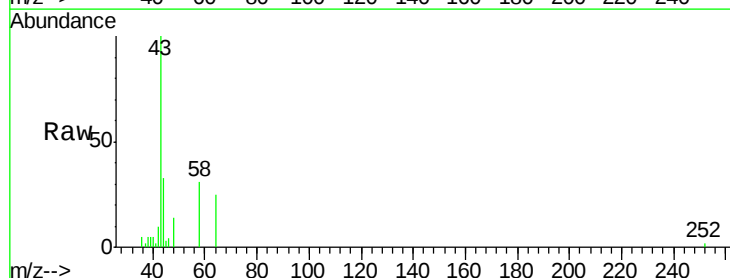
Acq: 04 May 2018 02:15

Tgt Ion: 43 Resp: 9846

Ion Ratio Lower Upper

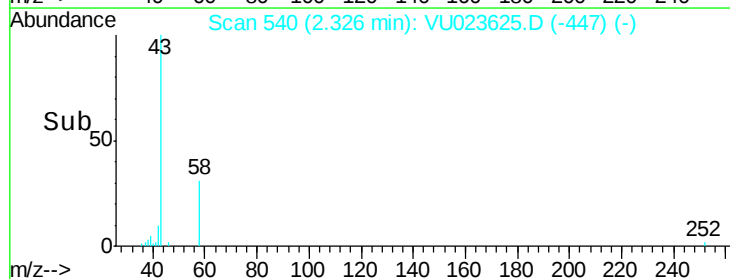
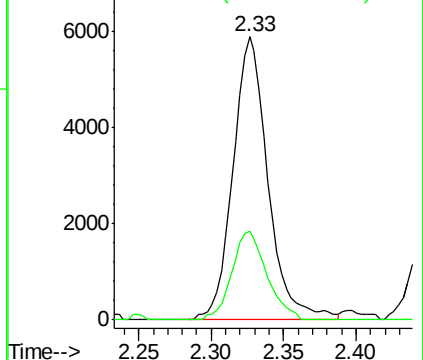
43 100

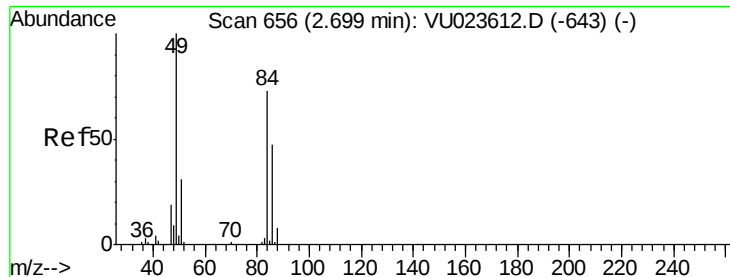
58 31.2 0.0 63.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

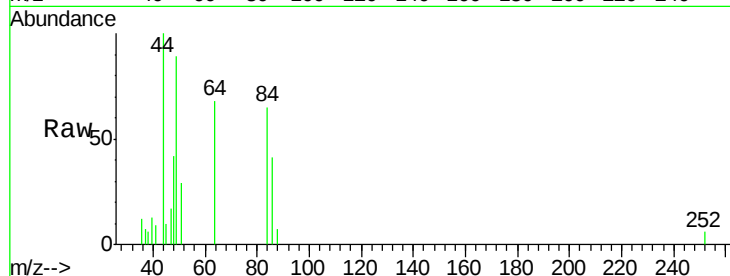
Ion 58.05 (57.75 to 58.75): VU0



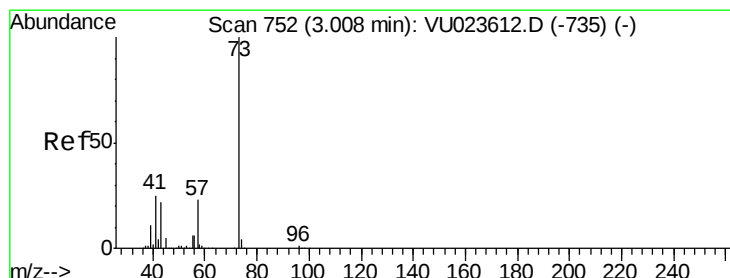
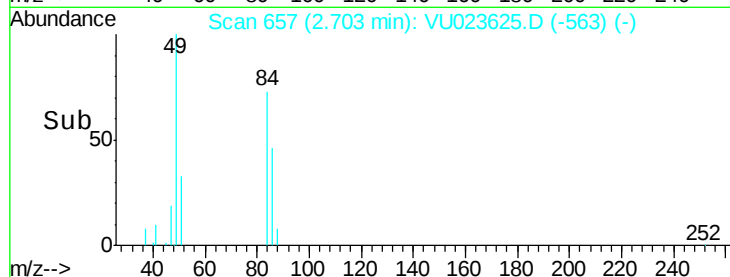
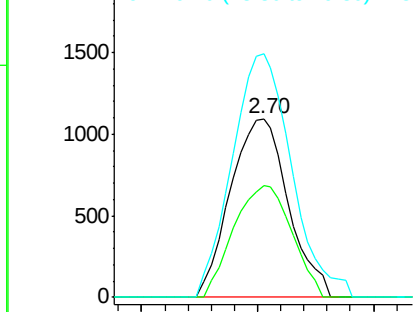


#16
Methylene chloride
Concen: 0.33 ug/L
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU023625.D
Acq: 04 May 2018 02:15

Tgt Ion: 84 Resp: 1897
Ion Ratio Lower Upper
84 100
86 62.5 46.0 85.4
49 136.3 96.0 178.4

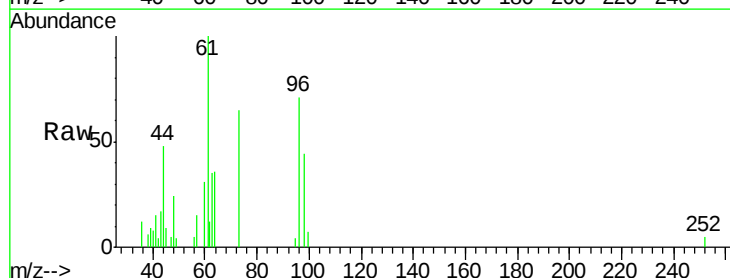


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

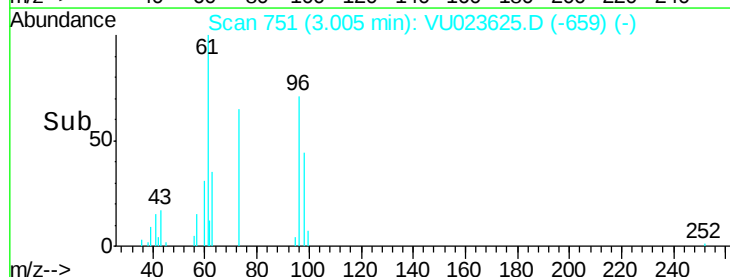
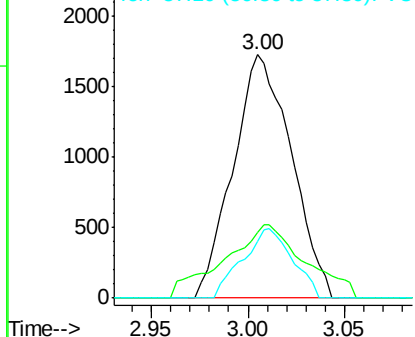


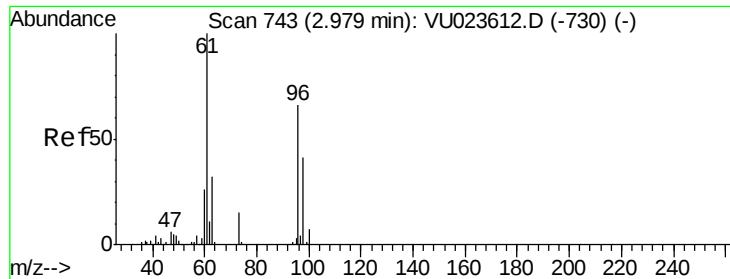
#17
Methyl tert-butyl Ether
Concen: 0.28 ug/L
RT: 3.00 min Scan# 751
Delta R.T. -0.00 min
Lab File: VU023625.D
Acq: 04 May 2018 02:15

Tgt Ion: 73 Resp: 3619
Ion Ratio Lower Upper
73 100
43 41.8 16.6 25.0#
57 24.5 19.4 29.0



Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0





#18

trans-1,2-Dichloroethene

Concen: 3.86 ug/L

RT: 2.98 min Scan# 743

Delta R.T. -0.00 min

Lab File: VU023625.D

Acq: 04 May 2018 02:15

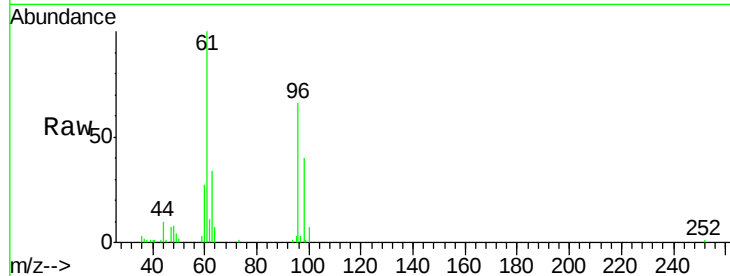
Tgt Ion: 96 Resp: 21159

Ion Ratio Lower Upper

96 100

61 152.2 109.0 202.4

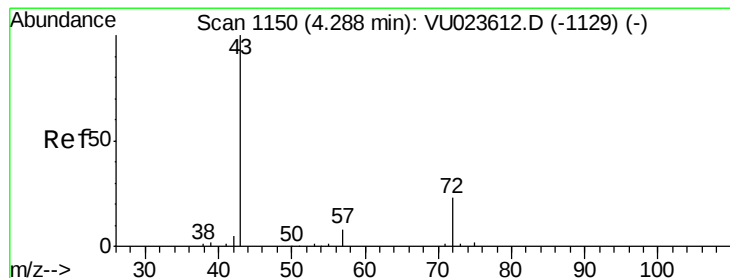
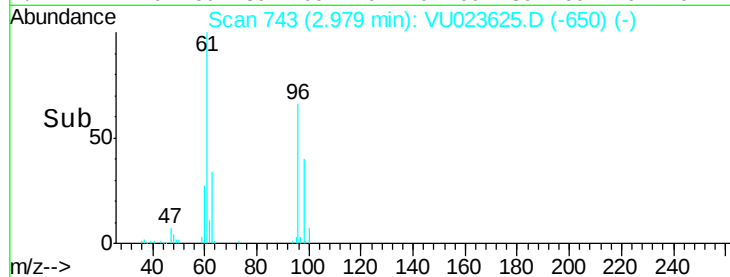
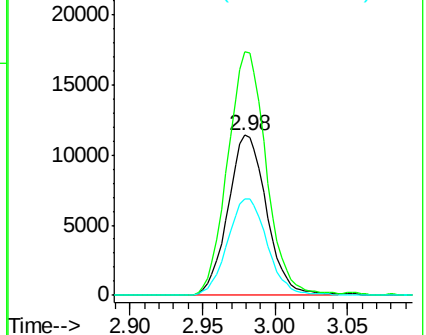
98 60.4 44.7 83.1



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 97.95 (97.65 to 98.65): VU0



#21

2-Butanone

Concen: 1.40 ug/L

RT: 4.28 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VU023625.D

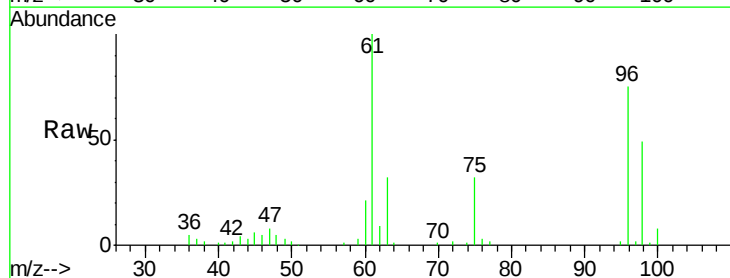
Acq: 04 May 2018 02:15

Tgt Ion: 43 Resp: 2611

Ion Ratio Lower Upper

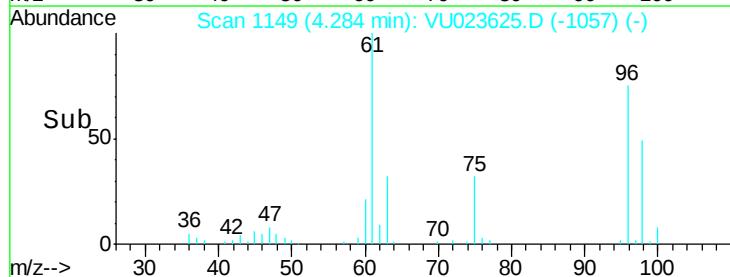
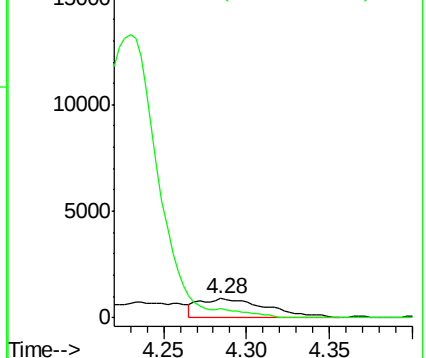
43 100

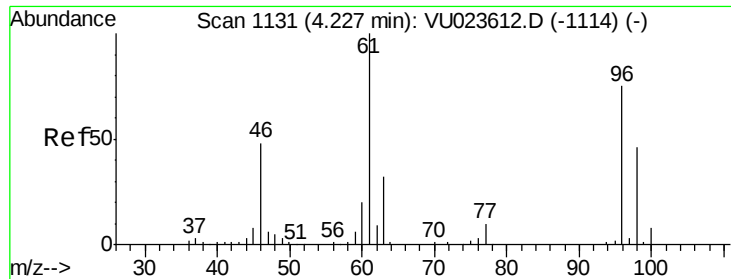
72 0.0 12.3 36.8#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 72.10 (71.80 to 72.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 624.03 ug/L

RT: 4.23 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VU023625.D

Acq: 04 May 2018 02:15

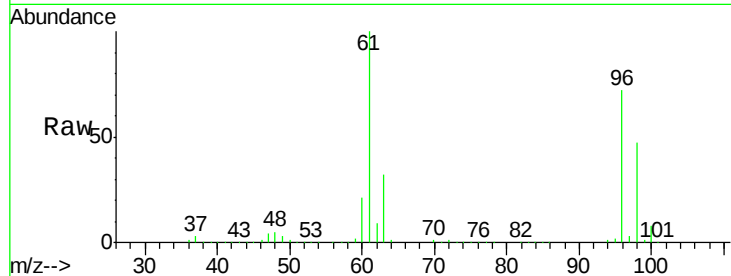
Tgt Ion: 96 Resp: 4066704

Ion Ratio Lower Upper

96 100

61 138.3 94.6 175.6

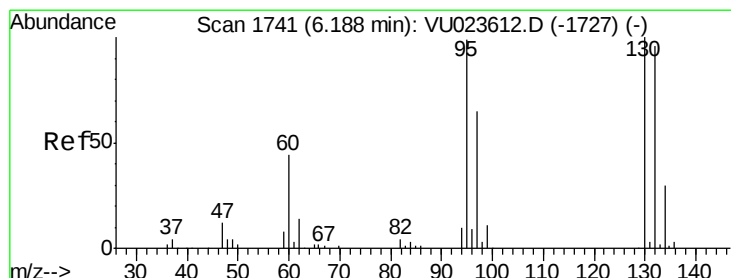
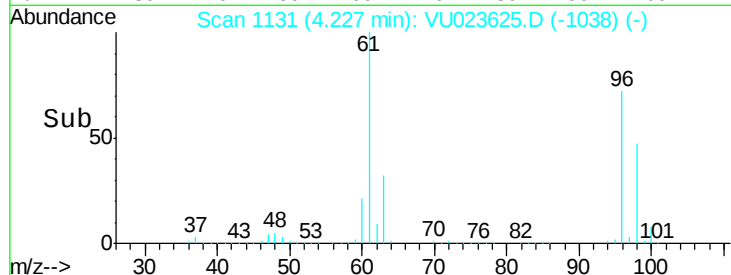
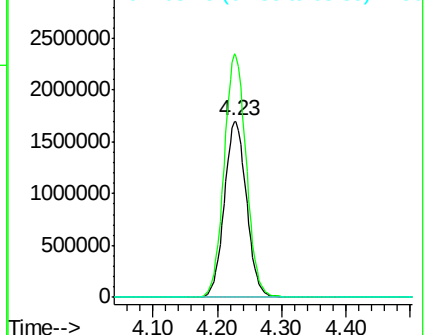
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#34

Trichloroethene

Concen: 195.81 ug/L

RT: 6.19 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VU023625.D

Acq: 04 May 2018 02:15

Tgt Ion: 95 Resp: 1195724

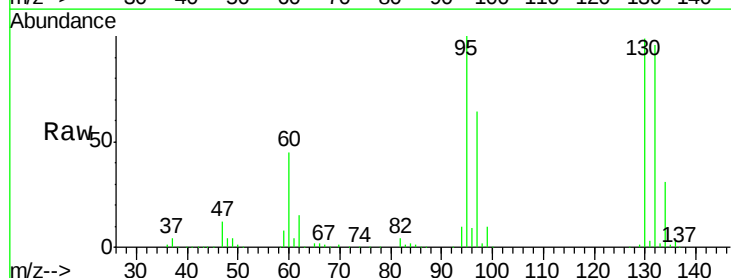
Ion Ratio Lower Upper

95 100

97 64.5 46.0 85.4

132 95.5 68.1 126.5

130 99.3 70.1 130.1

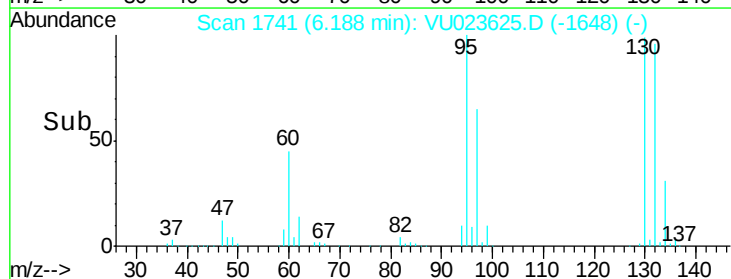
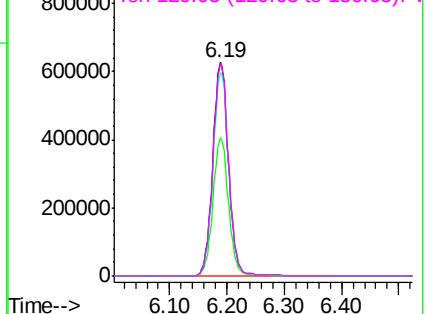


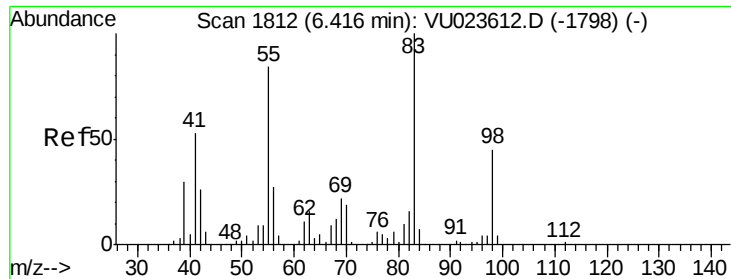
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V





#35

Methylcyclohexane

Concen: 1.28 ug/L

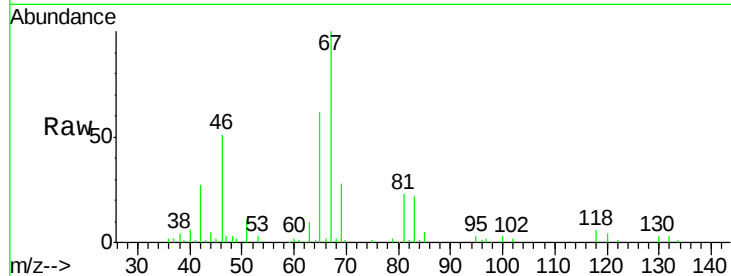
RT: 6.34 min Scan# 1787

Delta R.T. -0.08 min

Lab File: VU023625.D

Acq: 04 May 2018 02:15

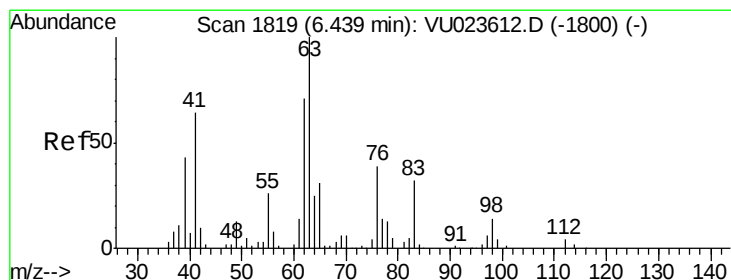
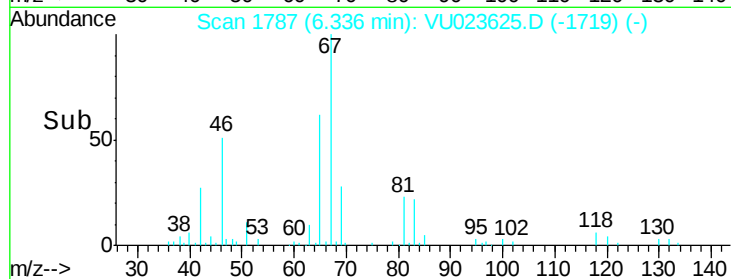
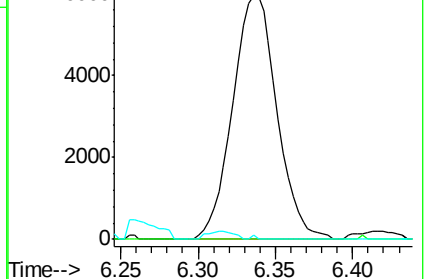
Tgt Ion:	83	Resp:	11853
Ion	Ratio	Lower	Upper
83	100		
55	0.2	68.4	102.6#
98	0.0	36.7	55.1#



Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0



#37

1,2-Dichloropropane

Concen: 0.85 ug/L

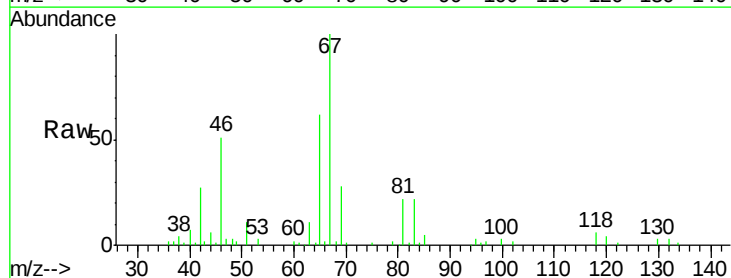
RT: 6.33 min Scan# 1786

Delta R.T. -0.11 min

Lab File: VU023625.D

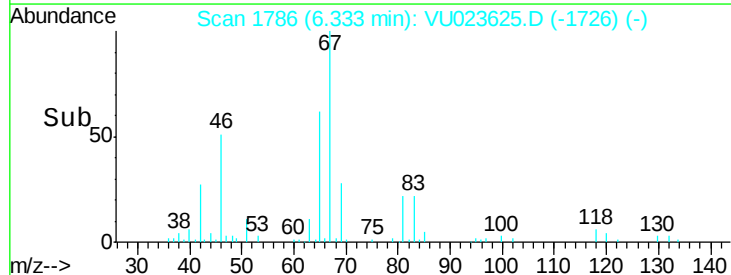
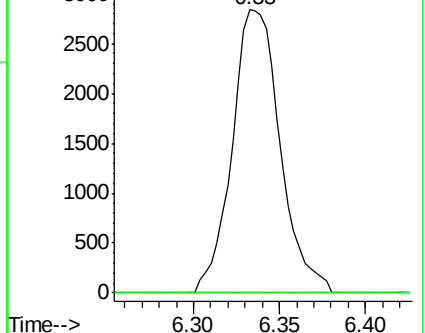
Acq: 04 May 2018 02:15

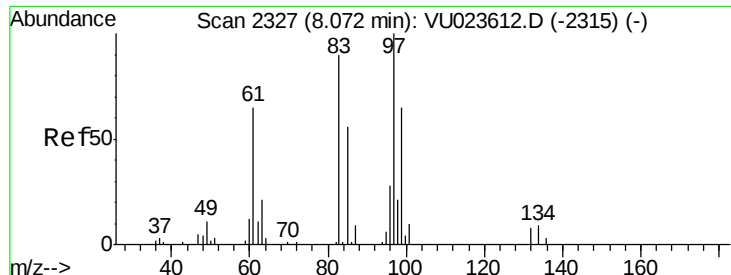
Tgt Ion:	63	Resp:	5520
Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.0	4.4#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V





#45

1,1,2-Trichloroethane

Concen: 3.37 ug/L

RT: 8.23 min Scan# 2376

Delta R.T. 0.16 min

Lab File: VU023625.D

Acq: 04 May 2018 02:15

Tgt Ion: 97 Resp: 13780

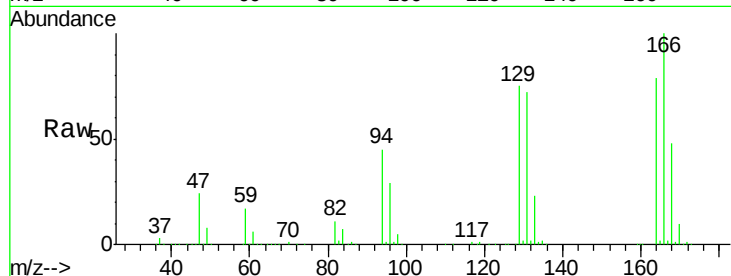
Ion Ratio Lower Upper

97 100

99 16.2 44.0 81.8#

83 305.6 61.6 114.4#

85 43.2 41.8 77.6

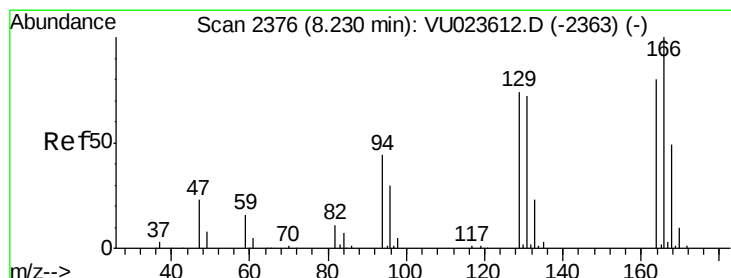
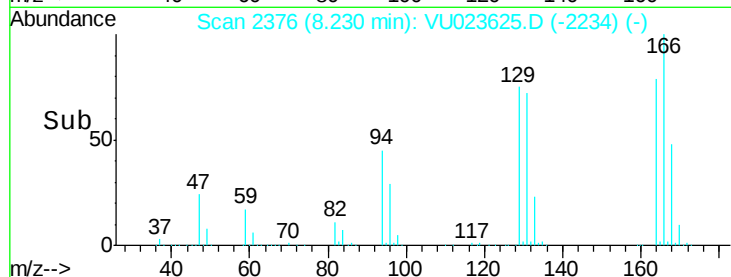
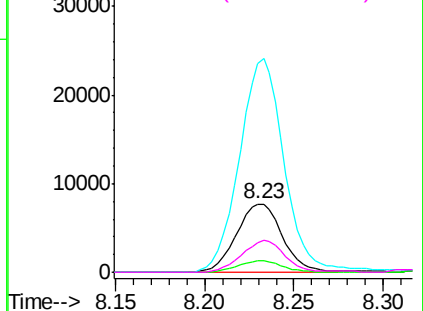


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 369.73 ug/L

RT: 8.23 min Scan# 2377

Delta R.T. 0.00 min

Lab File: VU023625.D

Acq: 04 May 2018 02:15

Tgt Ion: 164 Resp: 1788003

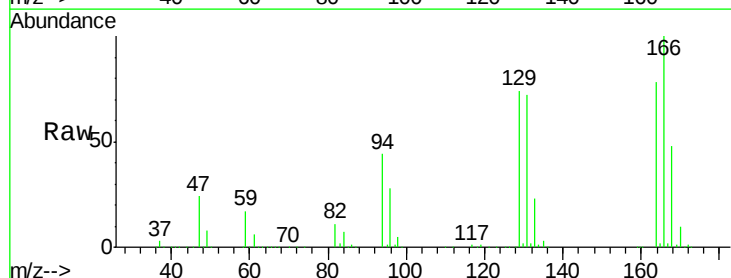
Ion Ratio Lower Upper

164 100

129 94.7 64.4 119.6

131 91.6 63.9 118.7

166 127.8 90.0 167.2

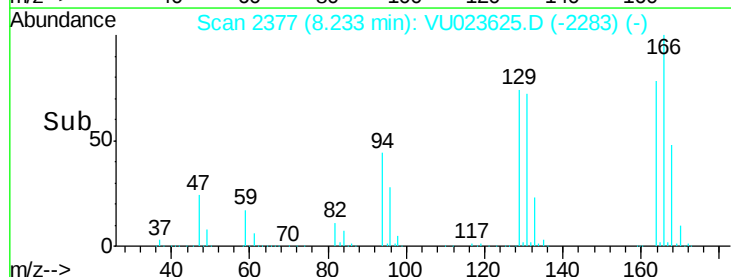
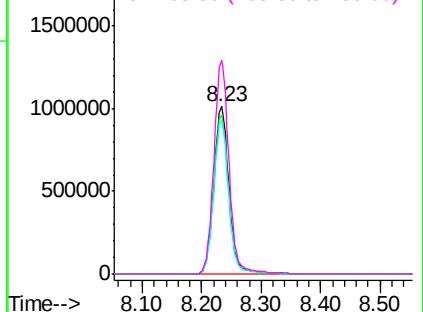


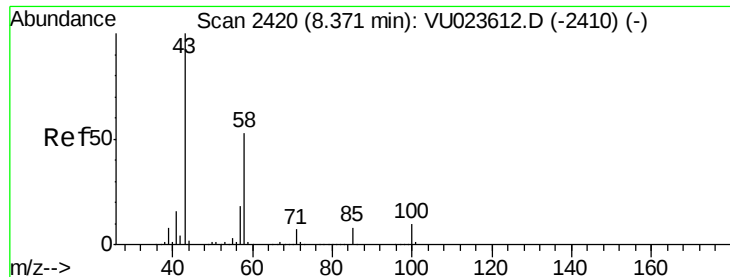
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

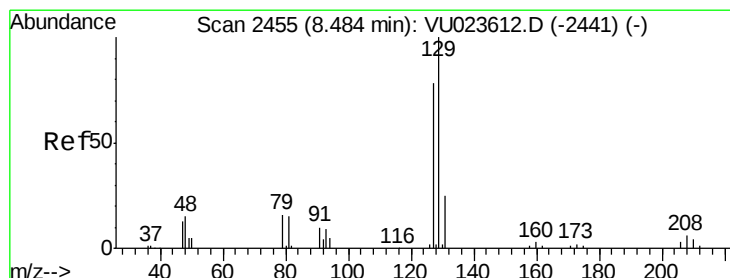
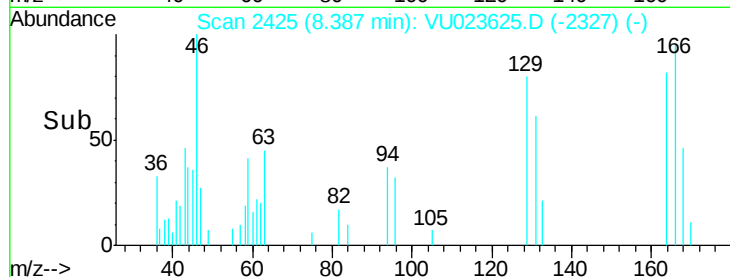
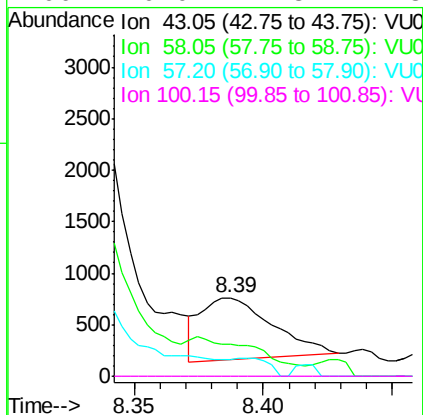
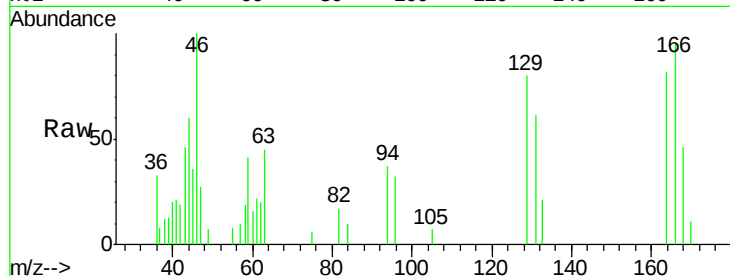
Ion 165.90 (165.60 to 166.60): V





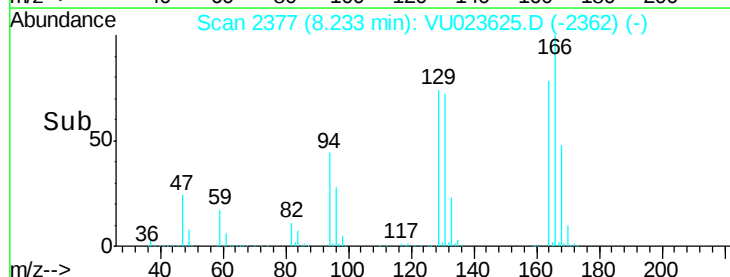
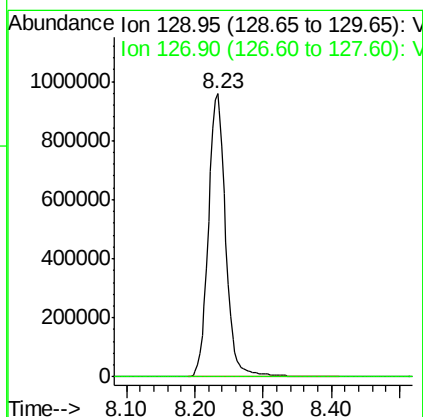
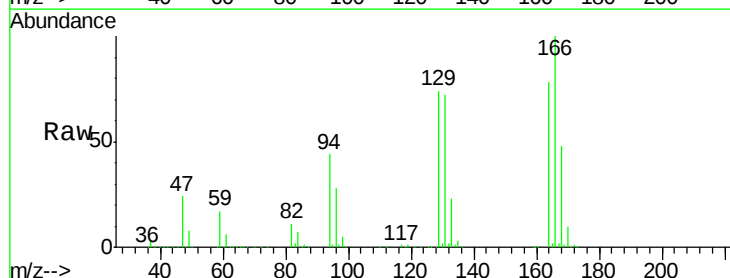
#48
2-Hexanone
Concen: 0.41 ug/L
RT: 8.39 min Scan# 2425
Delta R.T. 0.02 min
Lab File: VU023625.D
Acq: 04 May 2018 02:15

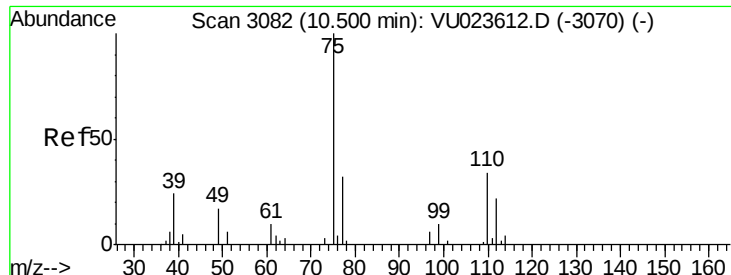
Tgt Ion: 43 Resp: 1170
Ion Ratio Lower Upper
43 100
58 63.1 42.1 63.1
57 13.2 14.3 21.5#
100 0.0 7.8 11.8#



#49
Dibromochloromethane
Concen: 358.47 ug/L
RT: 8.23 min Scan# 2377
Delta R.T. -0.25 min
Lab File: VU023625.D
Acq: 04 May 2018 02:15

Tgt Ion: 129 Resp: 1678299
Ion Ratio Lower Upper
129 100
127 0.0 56.9 105.7#





#59

1,2,3-Trichloropropane

Concen: 0.89 ug/L

RT: 11.49 min Scan# 3390

Delta R.T. 0.99 min

Lab File: VU023625.D

Acq: 04 May 2018 02:15

Tgt Ion: 75 Resp: 3415

Ion Ratio Lower Upper

75 100

77 40.4 26.0 39.0#

