

Data Path : W:\HPCHEM1\MSVOA_U\DATA\VU050418\
 Data File : VU023647.D
 Acq On : 04 May 2018 22:44
 Operator : MD/SY
 Sample : J2630-07MSD
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 44 Sample Multiplier: 1

Quant Time: May 05 01:21:02 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMUTR050418WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat May 05 01:17:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	148462	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	146356	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	64617	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	49061	4.56	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.20%
7) Chloroethane-d5	1.68	69	40073	5.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.20%
11) 1,1-Dichloroethene-d2	2.27	63	93814	4.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.60%
20) 2-Butanone-d5	4.20	46	163989	52.64	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.28%
24) Chloroform-d	4.65	84	95575	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.00%
26) 1,2-Dichloroethane-d4	5.31	65	52797	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.00%
32) Benzene-d6	5.34	84	187847	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.80%
36) 1,2-Dichloropropane-d6	6.34	67	66856	5.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.60%
41) Toluene-d8	7.57	98	156652	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.80%
43) trans-1,3-Dichloropropene-	7.86	79	20059	4.25	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.00%
46) 2-Hexanone-d5	8.32	63	130372	54.01	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.02%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	50685	4.98	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.60%
64) 1,2-Dichlorobenzene-d4	11.87	152	63297	5.27	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.40%

Target Compounds

						Qvalue
3) Chloromethane	1.30	50	11150	0.73	ug/L	# 64
5) Vinyl chloride	1.40	62	53885	3.88	ug/L	# 1
12) 1,1-Dichloroethene	2.28	96	48364	5.53	ug/L	97
13) Acetone	2.33	43	13199	7.41	ug/L	94
18) trans-1,2-Dichloroethene	2.98	96	26027	2.69	ug/L	97
22) cis-1,2-Dichloroethene	4.23	96	532037	46.34	ug/L	100
30) Cyclohexane	4.99	56	24180	1.35	ug/L	99
33) Benzene	5.39	78	241714	5.48	ug/L	100
34) Trichloroethene	6.19	95	166873	14.53	ug/L	99
35) Methylcyclohexane	6.42	83	7580	0.44	ug/L	90
37) 1,2-Dichloropropane	6.34	63	7095	0.58	ug/L	# 89
42) Toluene	7.64	91	231414	5.15	ug/L	99
47) Tetrachloroethene	8.23	164	187106	20.57	ug/L	99
48) 2-Hexanone	8.32	43	16562	3.06	ug/L	# 70
49) Dibromochloromethane	8.23	129	174881	19.86	ug/L	# 9
51) Chlorobenzene	9.12	112	154457	5.24	ug/L	99
59) 1,2,3-Trichloropropane	11.49	75	7474	1.03	ug/L	# 42

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat May 05 01:17:03 2018
Response via : Initial Calibration

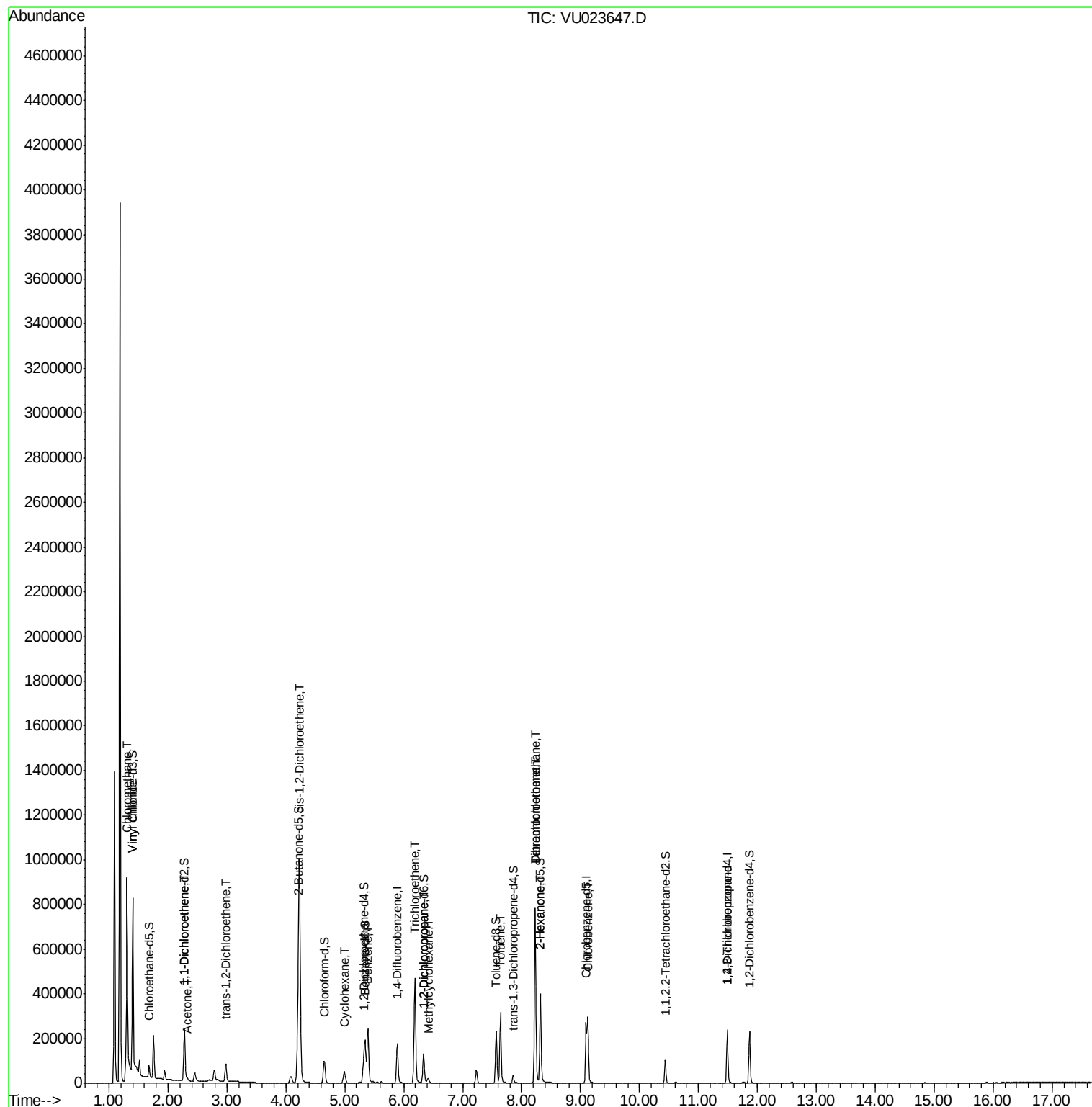
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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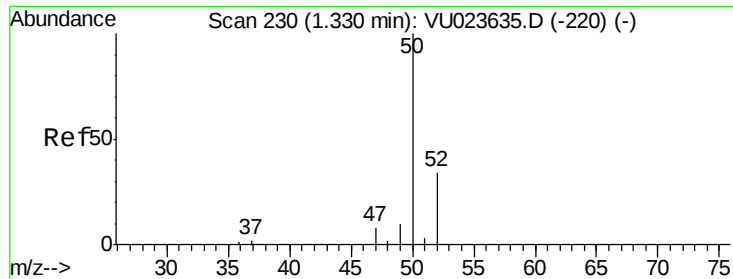
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.73 ug/L

RT: 1.30 min Scan# 222

Delta R.T. -0.03 min

Lab File: VU023647.D

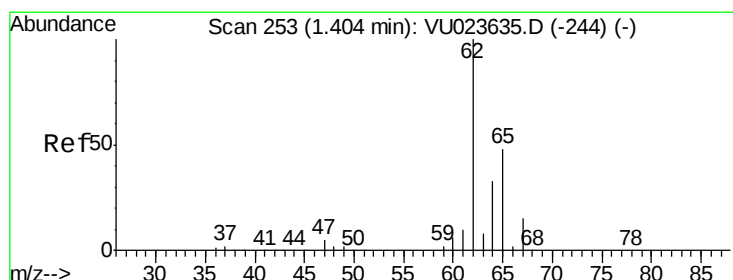
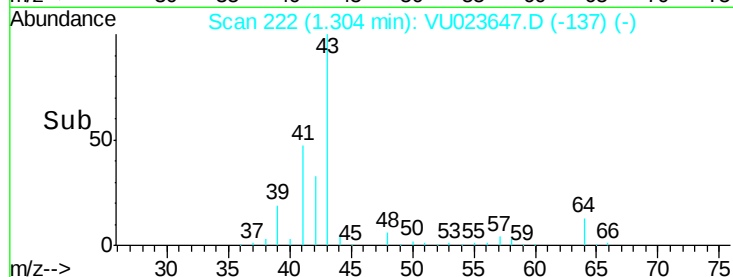
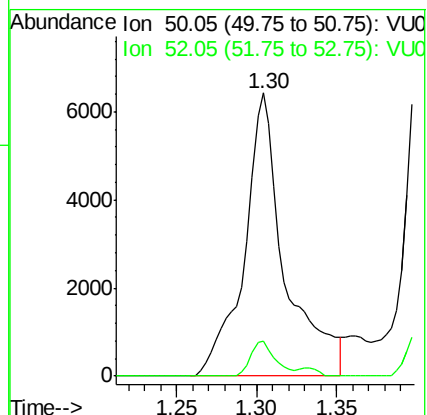
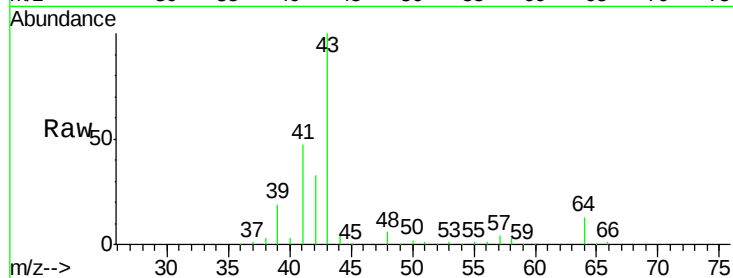
Acq: 04 May 2018 22:44

Tgt Ion: 50 Resp: 11150

Ion Ratio Lower Upper

50 100

52 12.3 22.8 42.4#



#5

Vinyl chloride

Concen: 3.88 ug/L

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU023647.D

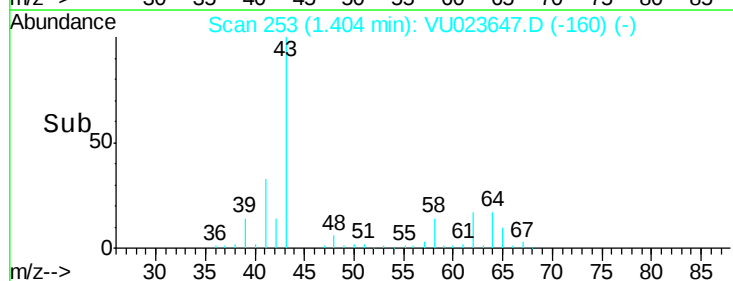
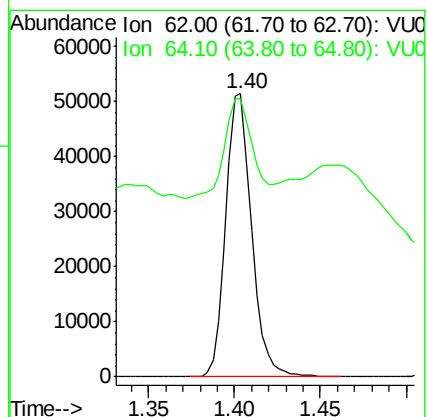
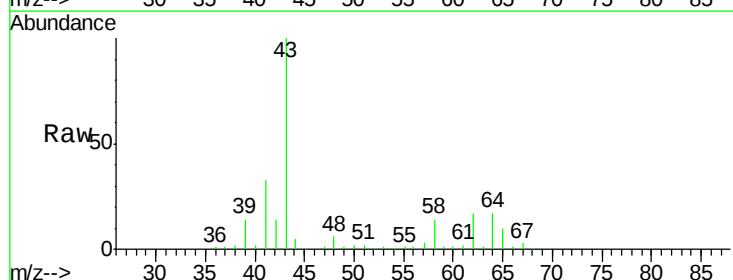
Acq: 04 May 2018 22:44

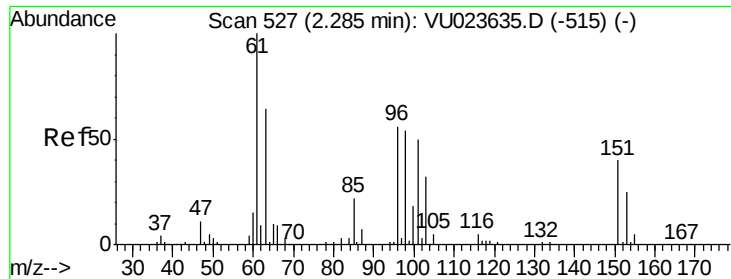
Tgt Ion: 62 Resp: 53885

Ion Ratio Lower Upper

62 100

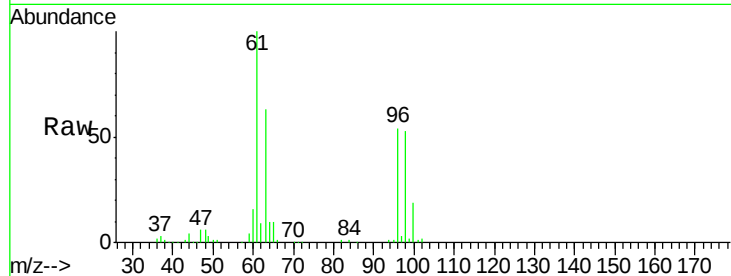
64 98.3 26.9 49.9#



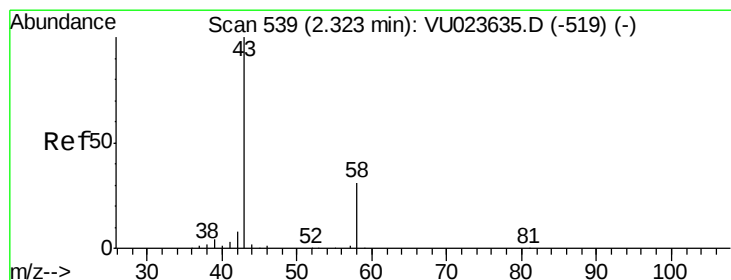
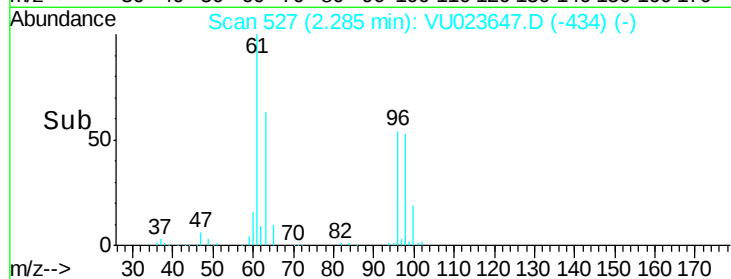
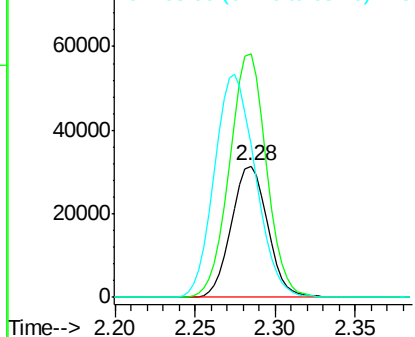


#12
 1,1-Dichloroethene
 Concen: 5.53 ug/L
 RT: 2.28 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VU023647.D
 Acq: 04 May 2018 22:44

Tgt Ion:	96	Resp:	48364
Ion	Ratio	Lower	Upper
96	100		
61	185.1	127.4	236.6
63	115.7	84.8	157.4

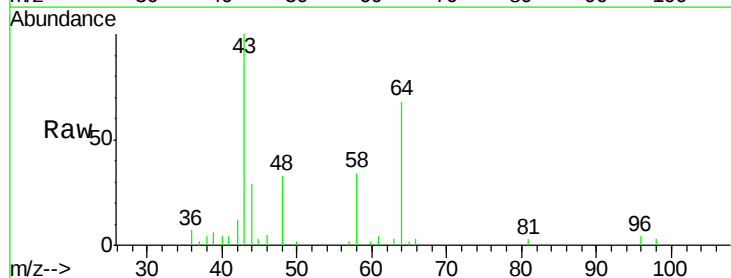


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 63.00 (62.70 to 63.70): VU0

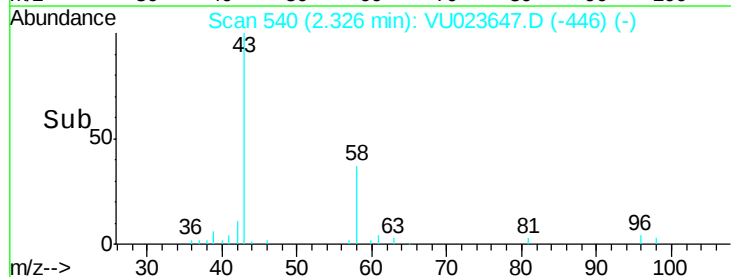
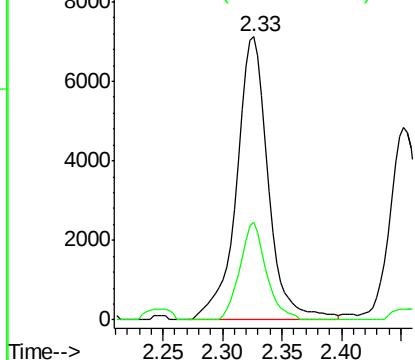


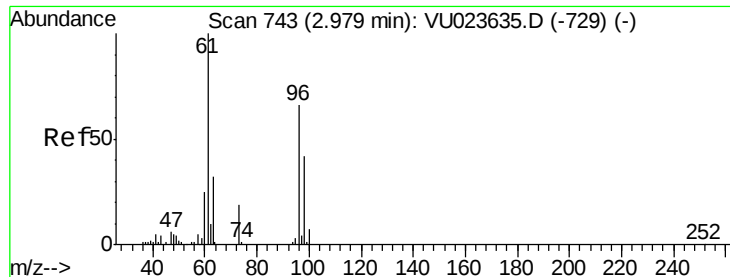
#13
 Acetone
 Concen: 7.41 ug/L
 RT: 2.33 min Scan# 540
 Delta R.T. 0.00 min
 Lab File: VU023647.D
 Acq: 04 May 2018 22:44

Tgt Ion:	43	Resp:	13199
Ion	Ratio	Lower	Upper
43	100		
58	28.5	0.0	63.8



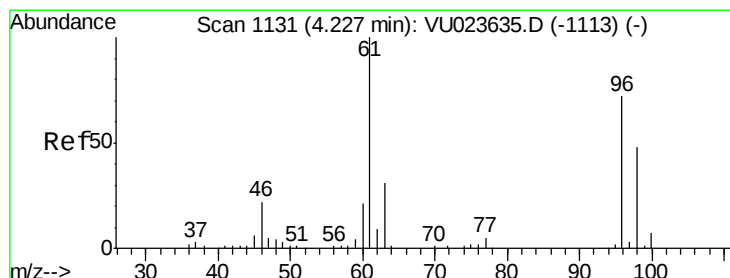
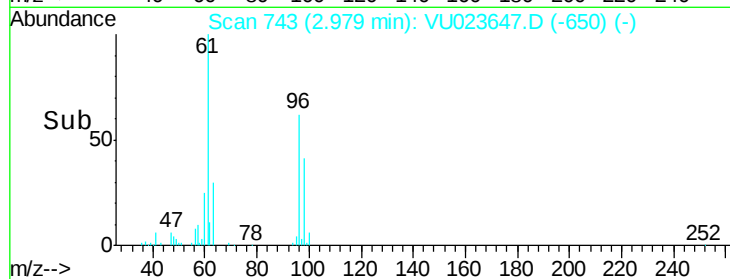
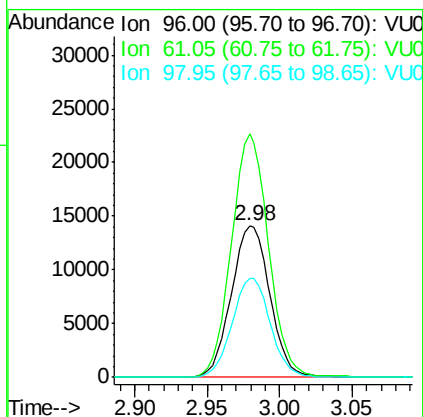
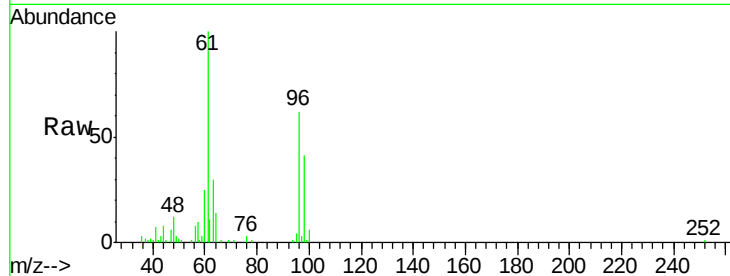
Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 58.05 (57.75 to 58.75): VU0





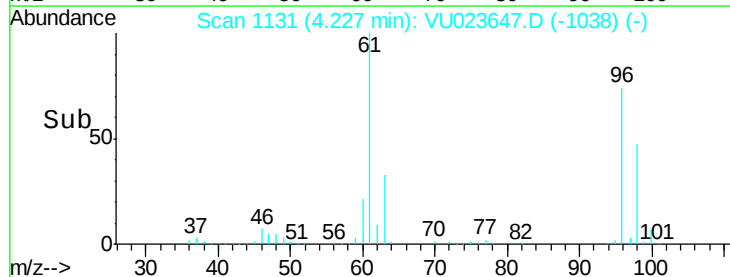
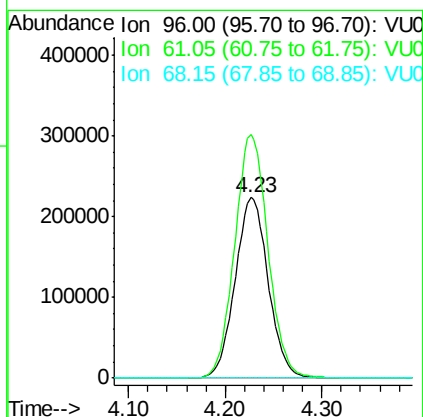
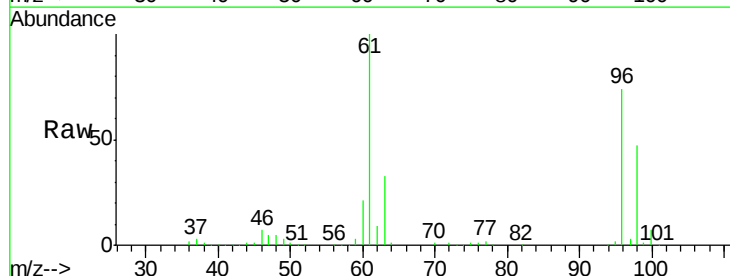
#18
trans-1,2-Dichloroethene
Concen: 2.69 ug/L
RT: 2.98 min Scan# 743
Delta R.T. -0.00 min
Lab File: VU023647.D
Acq: 04 May 2018 22:44

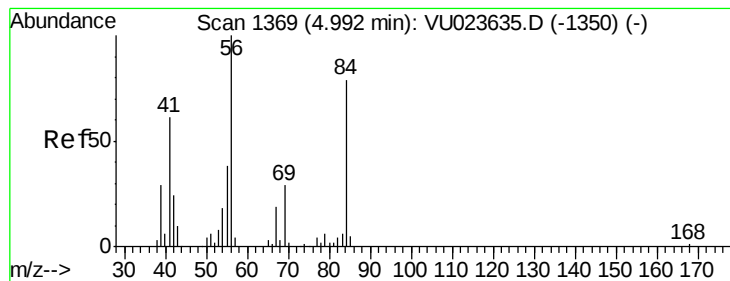
Tgt Ion: 96 Resp: 26027
Ion Ratio Lower Upper
96 100
61 160.3 109.0 202.4
98 65.1 44.7 83.1



#22
cis-1,2-Dichloroethene
Concen: 46.34 ug/L
RT: 4.23 min Scan# 1131
Delta R.T. -0.00 min
Lab File: VU023647.D
Acq: 04 May 2018 22:44

Tgt Ion: 96 Resp: 532037
Ion Ratio Lower Upper
96 100
61 134.9 94.6 175.6
68 0.0 0.0 0.0





#30

Cyclohexane

Concen: 1.35 ug/L

RT: 4.99 min Scan# 1369

Delta R.T. -0.00 min

Lab File: VU023647.D

Acq: 04 May 2018 22:44

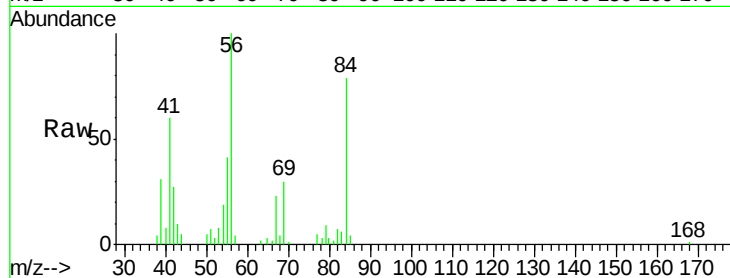
Tgt Ion: 56 Resp: 24180

Ion Ratio Lower Upper

56 100

69 29.3 23.6 35.4

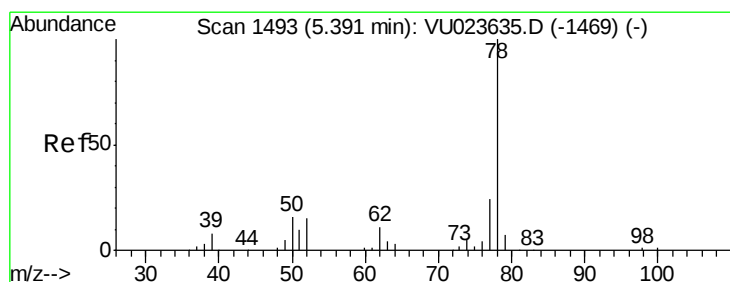
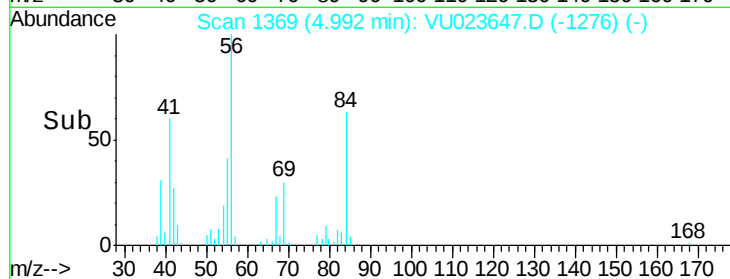
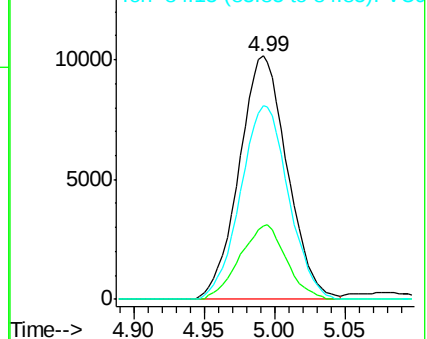
84 79.3 64.4 96.6



Abundance Ion 56.10 (55.80 to 56.80): VU0

Ion 69.15 (68.85 to 69.85): VU0

Ion 84.15 (83.85 to 84.85): VU0



#33

Benzene

Concen: 5.48 ug/L

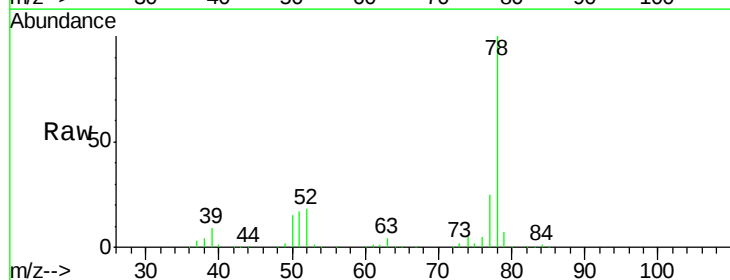
RT: 5.39 min Scan# 1493

Delta R.T. -0.00 min

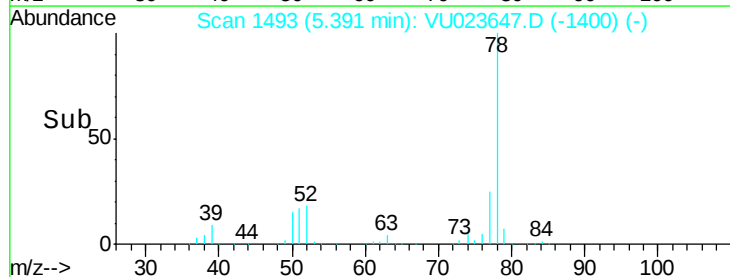
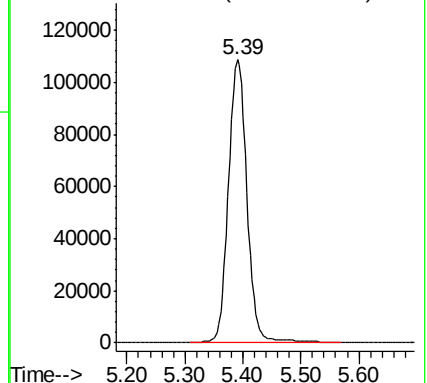
Lab File: VU023647.D

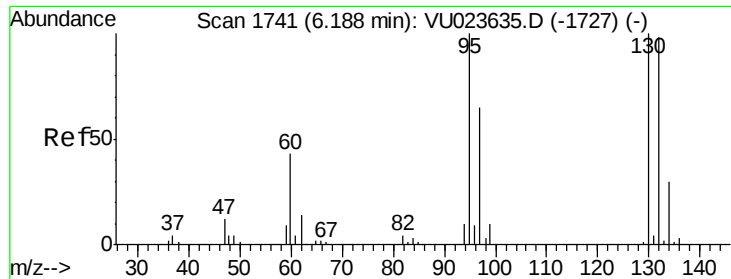
Acq: 04 May 2018 22:44

Tgt Ion: 78 Resp: 241714



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 14.53 ug/L

RT: 6.19 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VU023647.D

Acq: 04 May 2018 22:44

Tgt Ion: 95 Resp: 166873

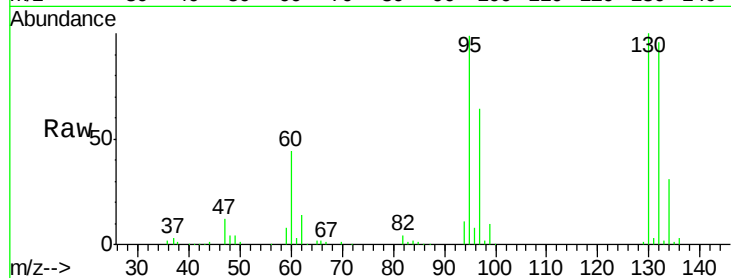
Ion Ratio Lower Upper

95 100

97 64.9 46.0 85.4

132 97.5 68.1 126.5

130 101.1 70.1 130.1

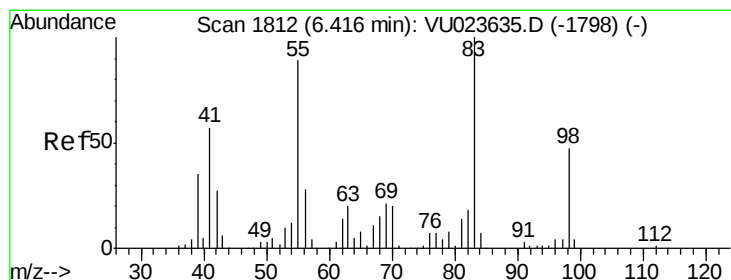
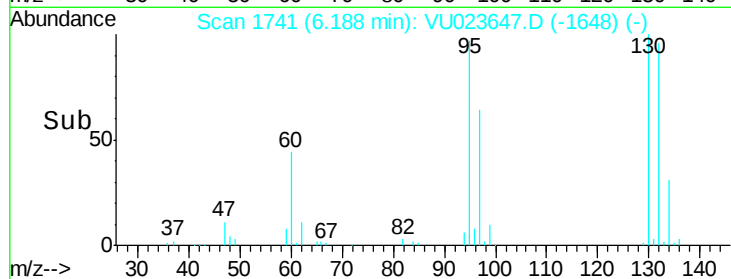
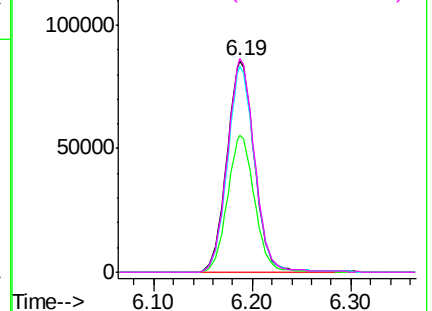


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.44 ug/L

RT: 6.42 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VU023647.D

Acq: 04 May 2018 22:44

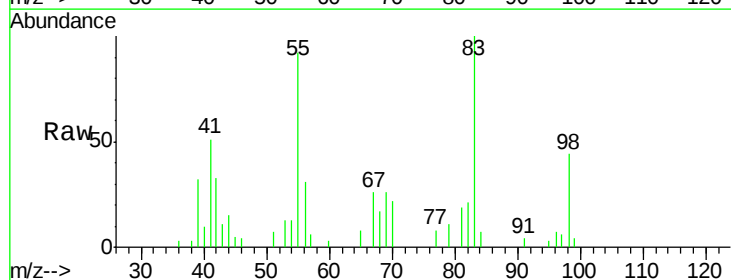
Tgt Ion: 83 Resp: 7580

Ion Ratio Lower Upper

83 100

55 96.9 68.4 102.6

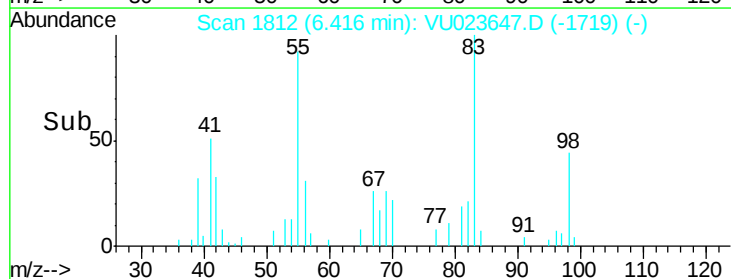
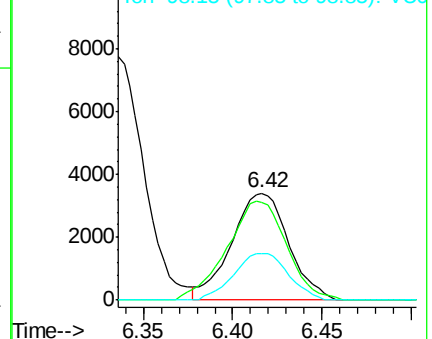
98 42.0 36.7 55.1

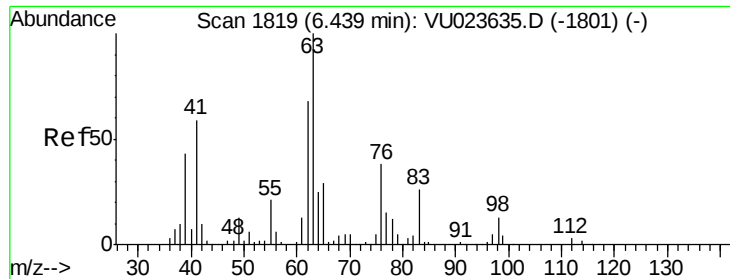


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.58 ug/L

RT: 6.34 min Scan# 1787

Delta R.T. -0.10 min

Lab File: VU023647.D

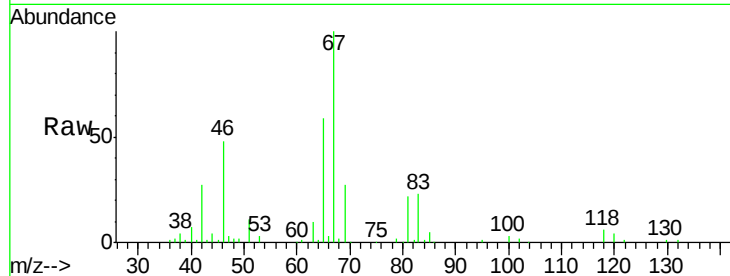
Acq: 04 May 2018 22:44

Tgt Ion: 63 Resp: 7095

Ion Ratio Lower Upper

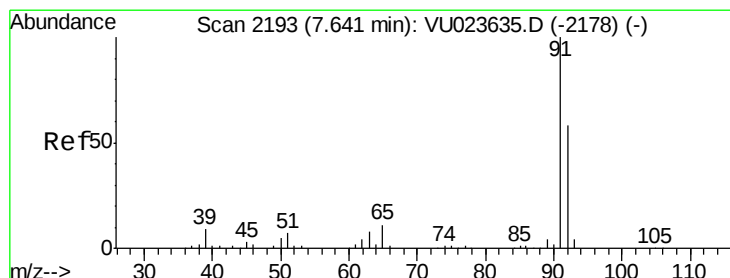
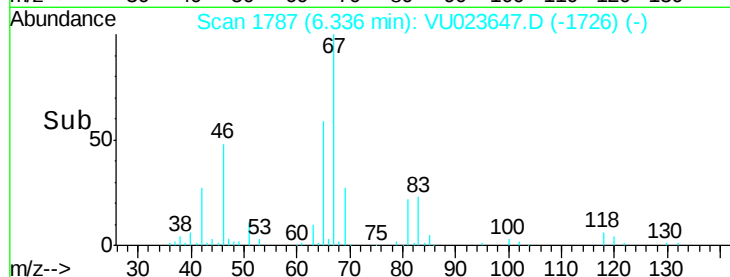
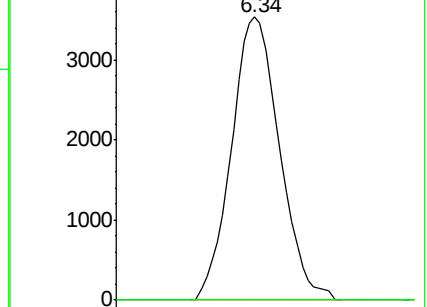
63 100

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



#42

Toluene

Concen: 5.15 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU023647.D

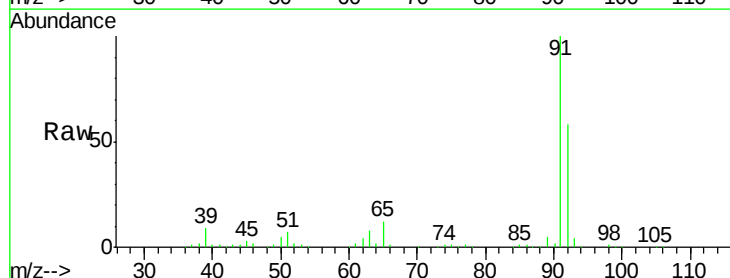
Acq: 04 May 2018 22:44

Tgt Ion: 91 Resp: 231414

Ion Ratio Lower Upper

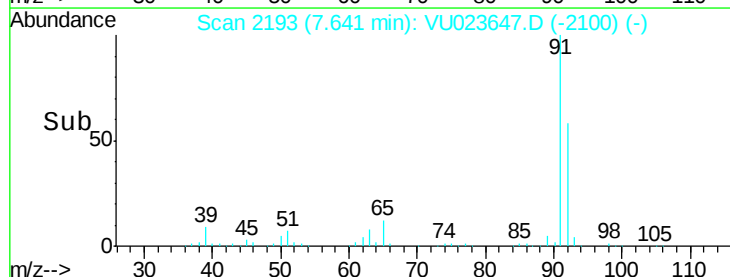
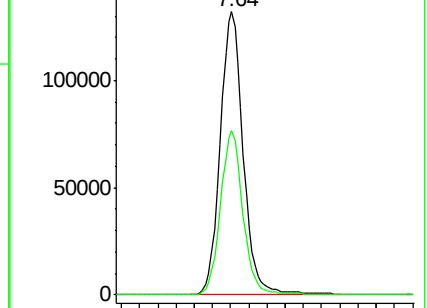
91 100

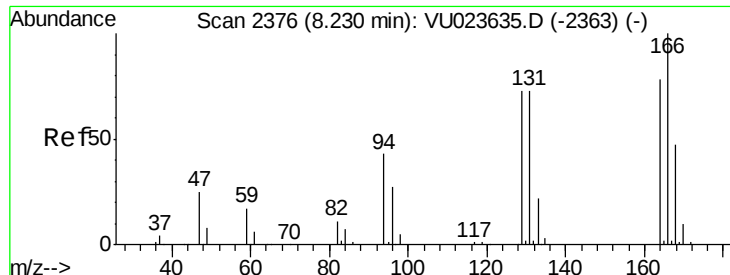
92 57.9 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0





#47

Tetrachloroethene

Concen: 20.57 ug/L

RT: 8.23 min Scan# 2376

Delta R.T. -0.00 min

Lab File: VU023647.D

Acq: 04 May 2018 22:44

Tgt Ion: 164 Resp: 187106

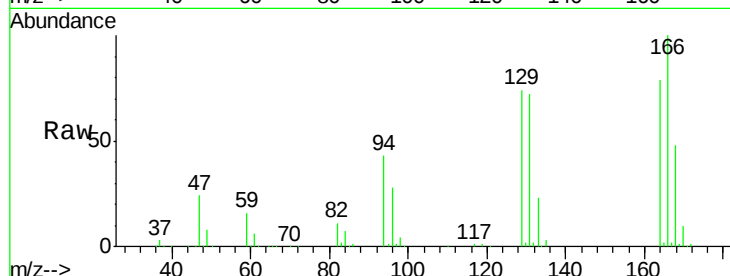
Ion Ratio Lower Upper

164 100

129 93.9 64.4 119.6

131 91.5 63.9 118.7

166 126.7 90.0 167.2

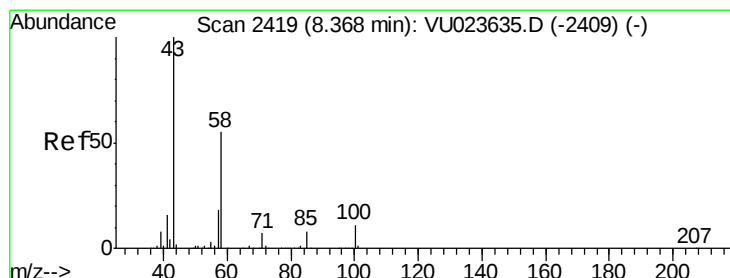
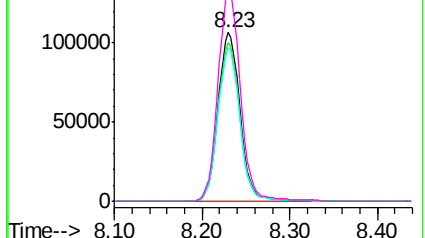
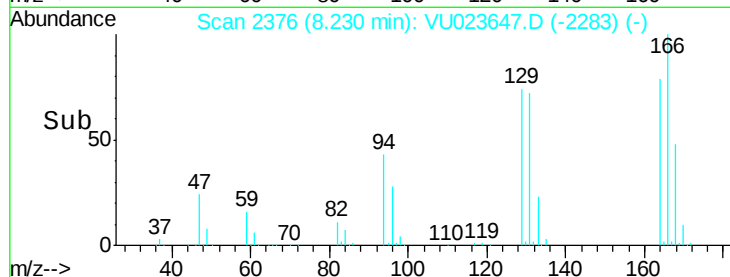


Abundance Ion 163.90 (163.60 to 164.60): V

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: 3.06 ug/L

RT: 8.32 min Scan# 2404

Delta R.T. -0.05 min

Lab File: VU023647.D

Acq: 04 May 2018 22:44

Tgt Ion: 43 Resp: 16562

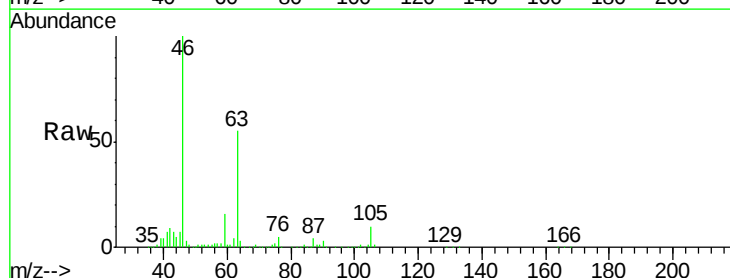
Ion Ratio Lower Upper

43 100

58 30.6 42.1 63.1#

57 32.3 14.3 21.5#

100 2.7 7.8 11.8#

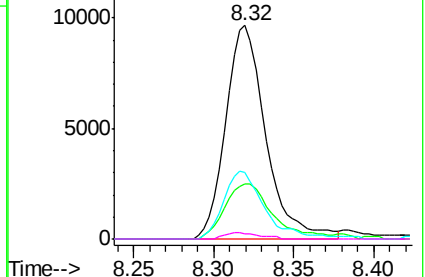
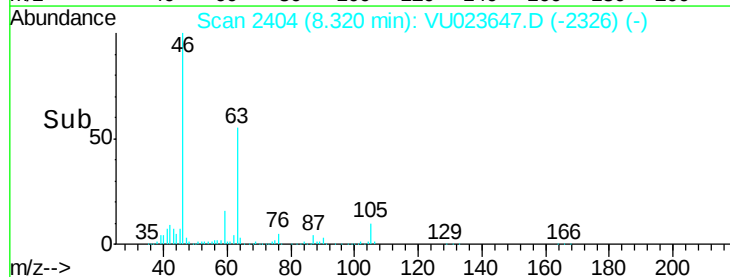


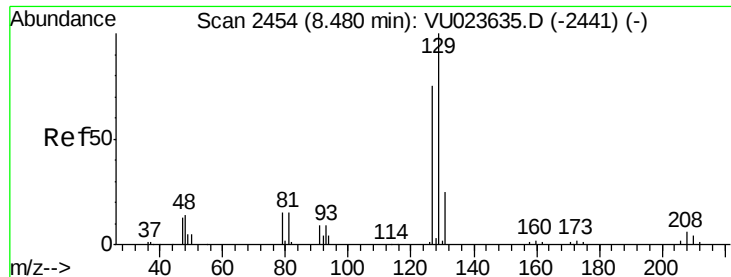
Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0





#49

Dibromochloromethane

Concen: 19.86 ug/L

RT: 8.23 min Scan# 2376

Delta R.T. -0.25 min

Lab File: VU023647.D

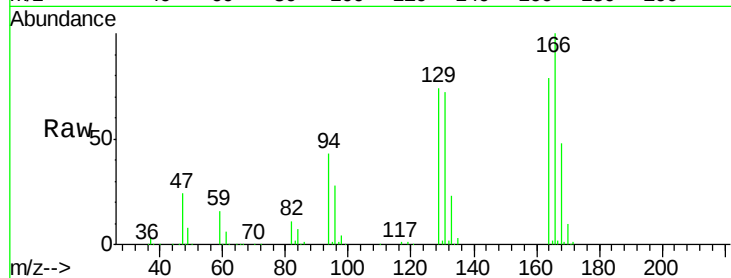
Acq: 04 May 2018 22:44

Tgt Ion:129 Resp: 174881

Ion Ratio Lower Upper

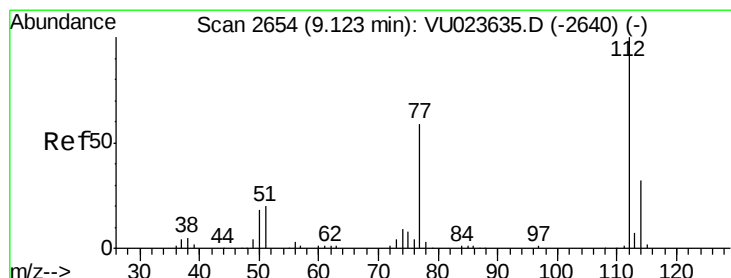
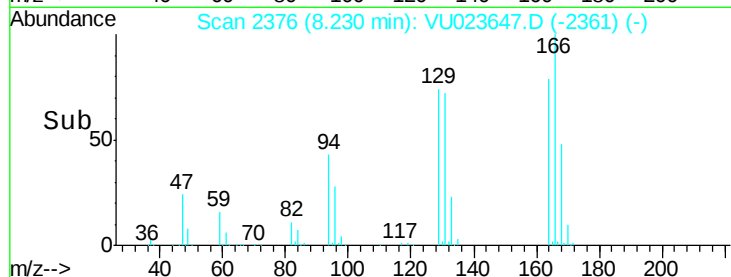
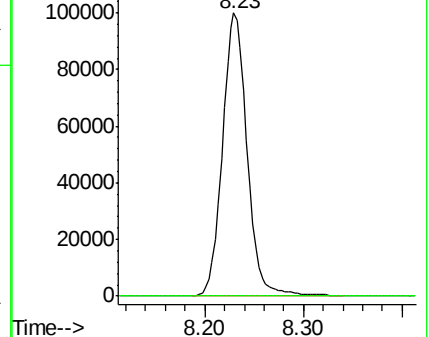
129 100

127 0.0 56.9 105.7#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#51

Chlorobenzene

Concen: 5.24 ug/L

RT: 9.12 min Scan# 2654

Delta R.T. -0.00 min

Lab File: VU023647.D

Acq: 04 May 2018 22:44

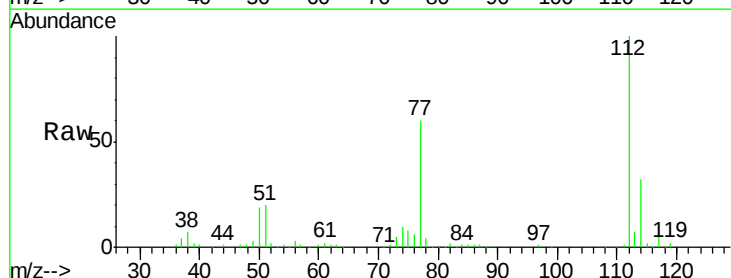
Tgt Ion:112 Resp: 154457

Ion Ratio Lower Upper

112 100

114 32.4 22.3 41.3

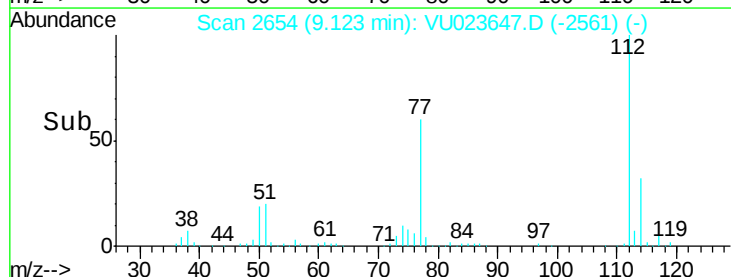
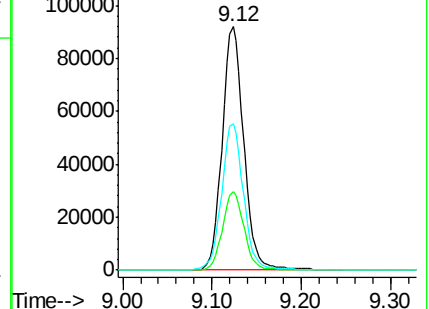
77 60.3 48.8 73.2

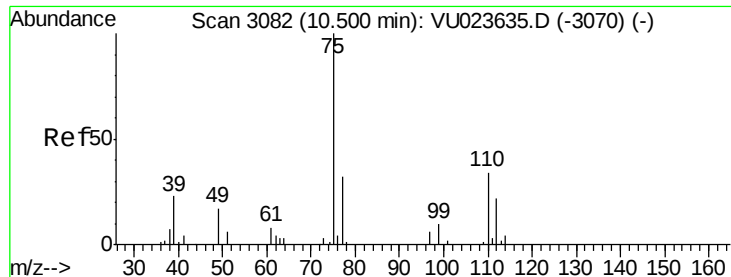


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU





#59

1,2,3-Trichloropropane

Concen: 1.03 ug/L

RT: 11.49 min Scan# 3390

Delta R.T. 0.99 min

Lab File: VU023647.D

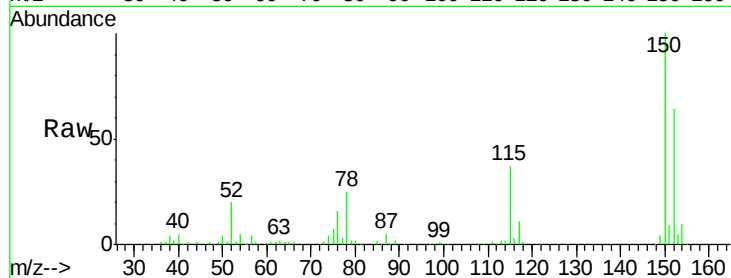
Acq: 04 May 2018 22:44

Tgt Ion: 75 Resp: 7474

Ion Ratio Lower Upper

75 100

77 0.0 26.0 39.0#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

