

Data Path : W:\HPCHEM1\MSVOA_U\DATA\VU050418\
 Data File : VU023646.D
 Acq On : 04 May 2018 22:19
 Operator : MD/SY
 Sample : J2630-06MS
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 43 Sample Multiplier: 1

Quant Time: May 05 01:20:49 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	154168	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	156217	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	69957	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	48386	4.33	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.60%
7) Chloroethane-d5	1.68	69	39458	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.00%
11) 1,1-Dichloroethene-d2	2.27	63	91378	4.58	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.60%
20) 2-Butanone-d5	4.20	46	162408	50.20	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.40%
24) Chloroform-d	4.65	84	94603	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.40%
26) 1,2-Dichloroethane-d4	5.32	65	52080	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.00%
32) Benzene-d6	5.34	84	186480	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.00%
36) 1,2-Dichloropropane-d6	6.34	67	64358	4.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.20%
41) Toluene-d8	7.57	98	154385	4.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.20%
43) trans-1,3-Dichloropropene-	7.86	79	20208	4.02	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.40%
46) 2-Hexanone-d5	8.32	63	126900	49.25	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.50%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	49694	4.57	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.40%
64) 1,2-Dichlorobenzene-d4	11.87	152	62582	4.81	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.20%

Target Compounds

						Qvalue
3) Chloromethane	1.30	50	8068	0.51	ug/L #	64
5) Vinyl chloride	1.40	62	53504	3.71	ug/L #	28
12) 1,1-Dichloroethene	2.28	96	48606	5.35	ug/L	97
13) Acetone	2.33	43	14199	7.68	ug/L	95
18) trans-1,2-Dichloroethene	2.98	96	25998	2.59	ug/L	98
21) 2-Butanone	4.29	43	3584	1.05	ug/L #	68
22) cis-1,2-Dichloroethene	4.23	96	528944	44.37	ug/L	100
30) Cyclohexane	5.00	56	24162	1.26	ug/L	97
33) Benzene	5.39	78	233821	4.97	ug/L	100
34) Trichloroethene	6.19	95	164028	13.38	ug/L	99
35) Methylcyclohexane	6.41	83	7991	0.43	ug/L	91
37) 1,2-Dichloropropane	6.33	63	6434	0.49	ug/L #	89
42) Toluene	7.64	91	228323	4.76	ug/L	100
47) Tetrachloroethene	8.23	164	185183	19.07	ug/L	97
48) 2-Hexanone	8.32	43	17300	2.99	ug/L #	69
49) Dibromochloromethane	8.23	129	179443	19.09	ug/L #	9
51) Chlorobenzene	9.12	112	151509	4.82	ug/L	100

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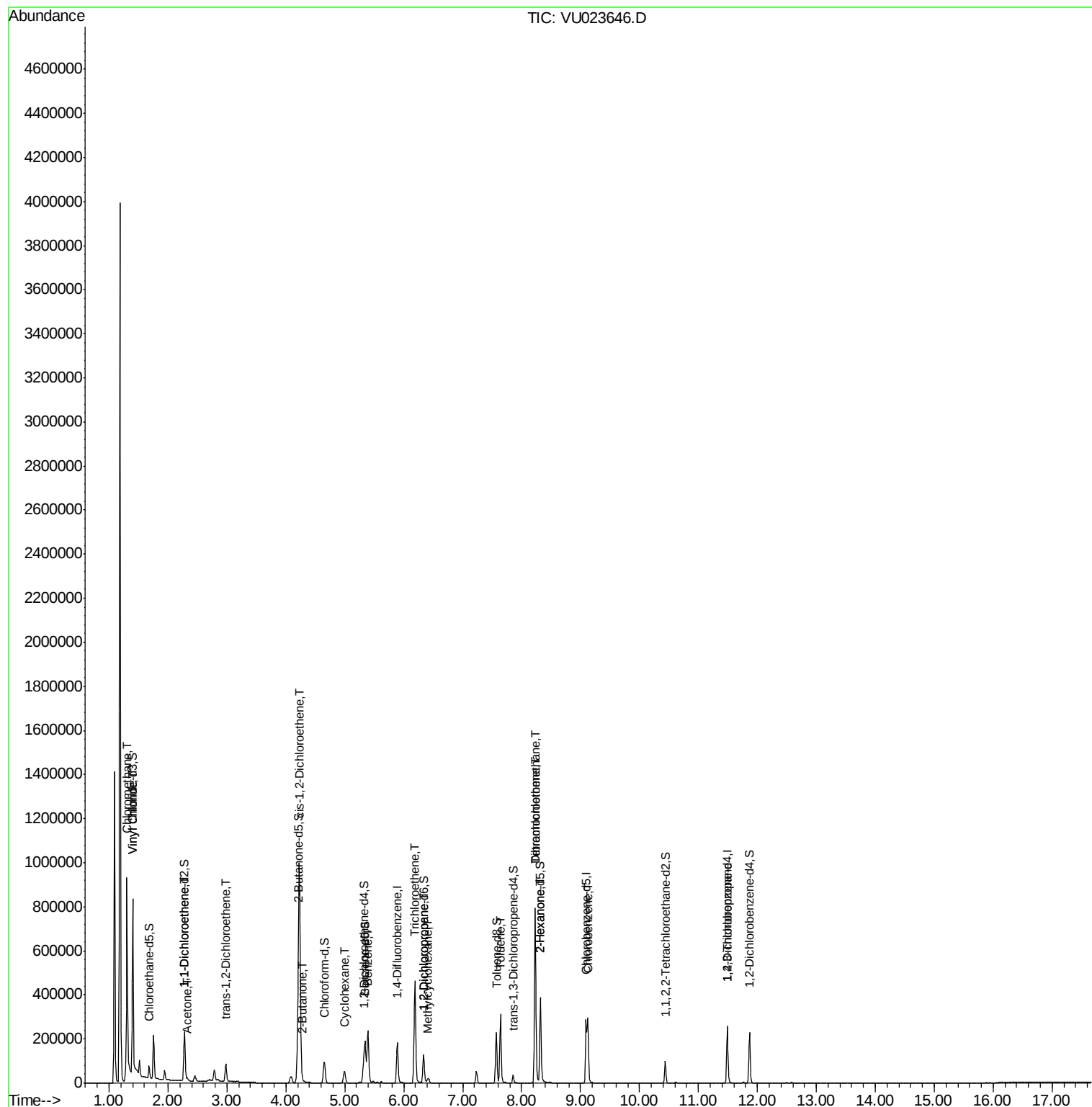
Quant Time: May 05 01:20:49 2018
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QLast Update : Sat May 05 01:17:03 2018
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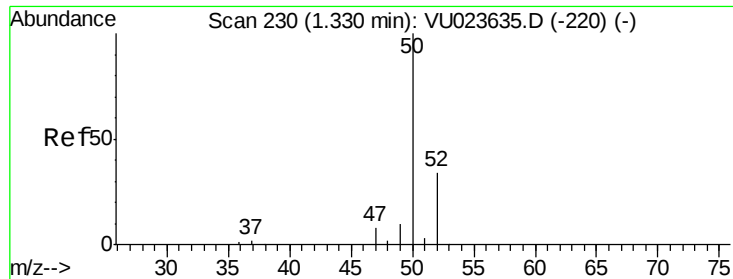
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	11.49	75	8458	1.10	ug/L	96

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

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#3

Chloromethane

Concen: 0.51 ug/L

RT: 1.30 min Scan# 222

Delta R.T. -0.03 min

Lab File: VU023646.D

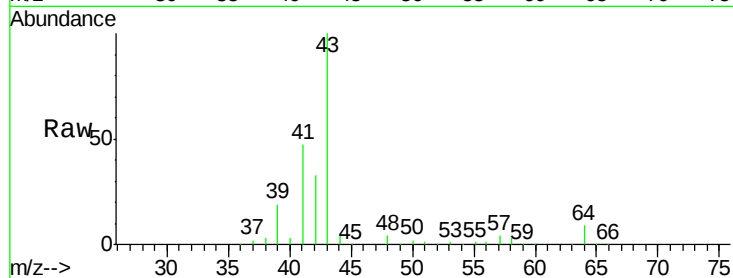
Acq: 04 May 2018 22:19

Tgt Ion: 50 Resp: 8068

Ion Ratio Lower Upper

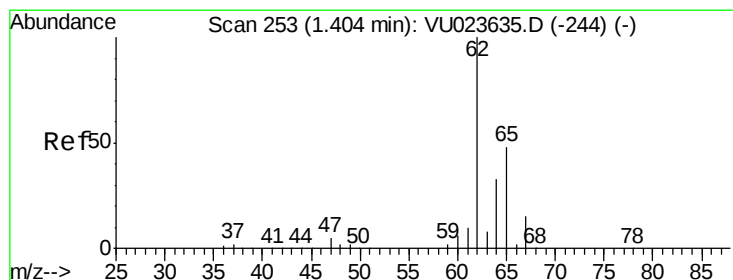
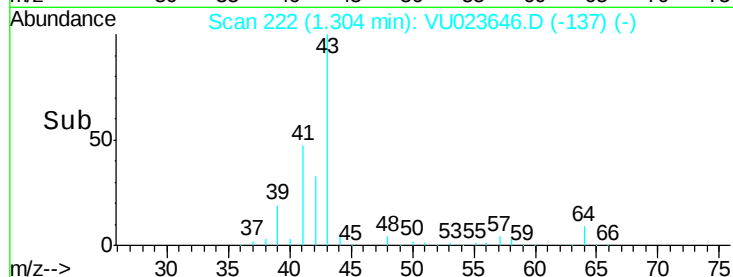
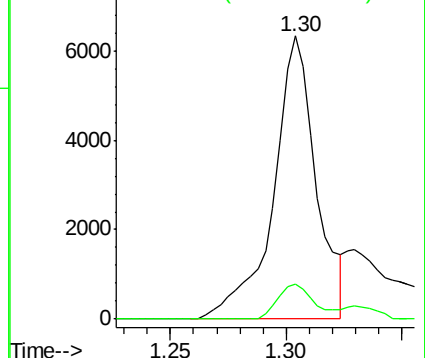
50 100

52 12.2 22.8 42.4#



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#5

Vinyl chloride

Concen: 3.71 ug/L

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU023646.D

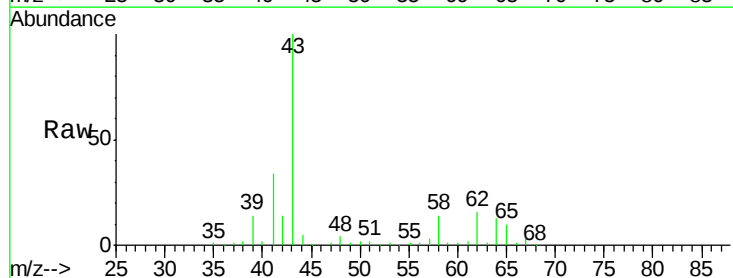
Acq: 04 May 2018 22:19

Tgt Ion: 62 Resp: 53504

Ion Ratio Lower Upper

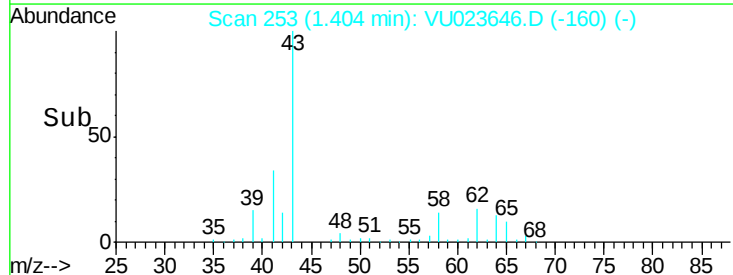
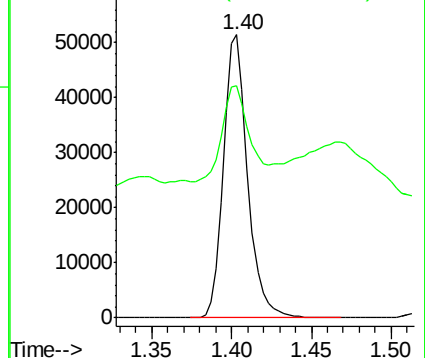
62 100

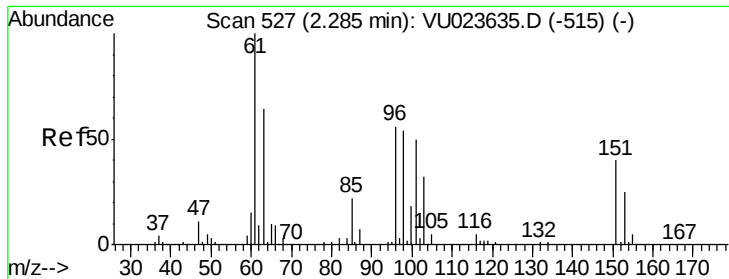
64 81.8 26.9 49.9#



Abundance Ion 62.00 (61.70 to 62.70): VU0

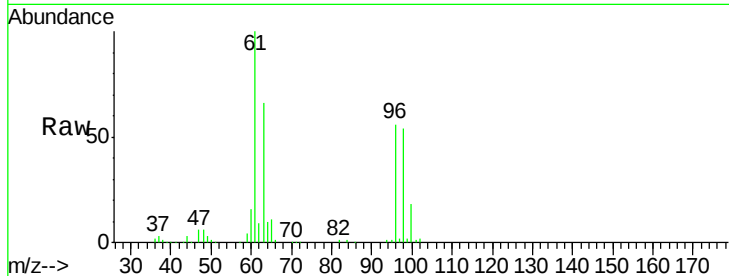
Ion 64.10 (63.80 to 64.80): VU0



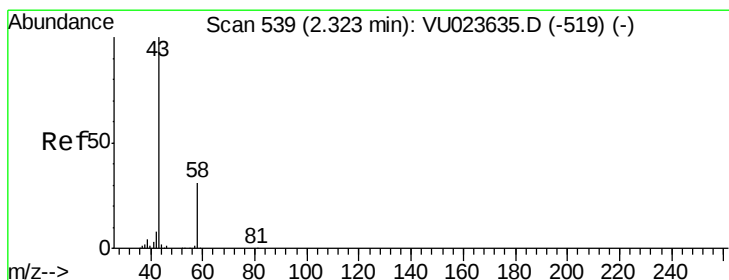
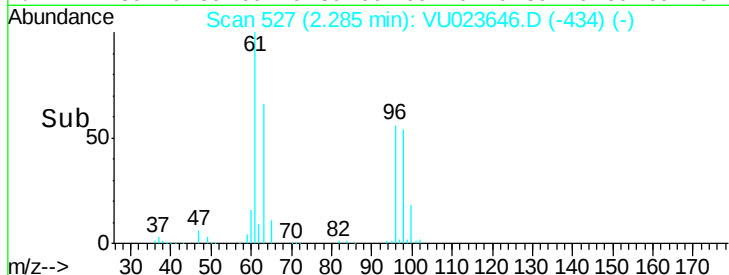
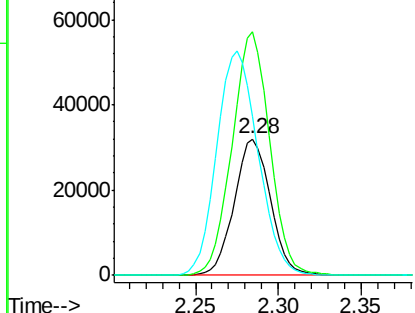


#12
 1,1-Dichloroethene
 Concen: 5.35 ug/L
 RT: 2.28 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VU023646.D
 Acq: 04 May 2018 22:19

Tgt Ion: 96 Resp: 48606
 Ion Ratio Lower Upper
 96 100
 61 178.3 127.4 236.6
 63 116.8 84.8 157.4

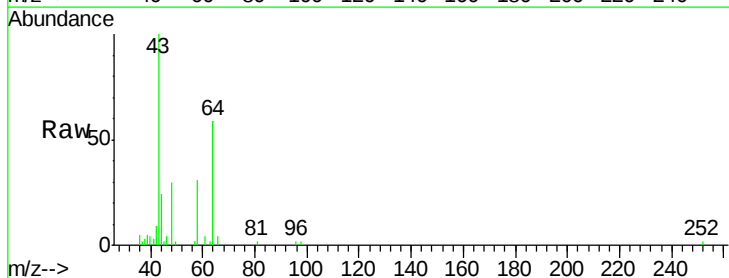


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 63.00 (62.70 to 63.70): VU0

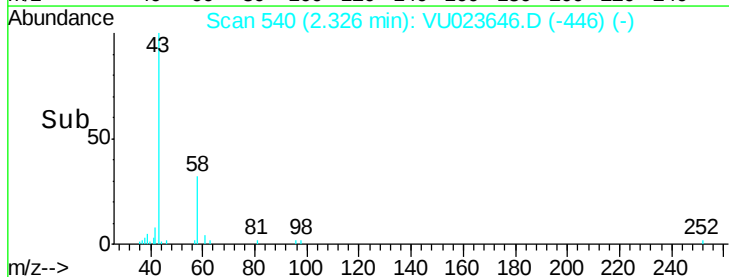
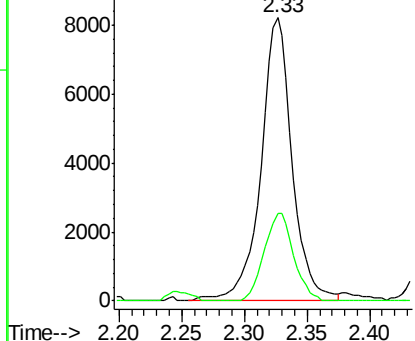


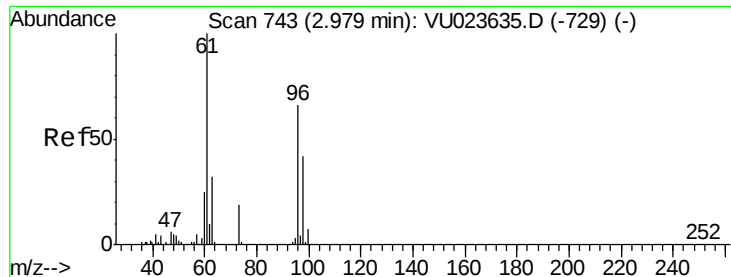
#13
 Acetone
 Concen: 7.68 ug/L
 RT: 2.33 min Scan# 540
 Delta R.T. 0.00 min
 Lab File: VU023646.D
 Acq: 04 May 2018 22:19

Tgt Ion: 43 Resp: 14199
 Ion Ratio Lower Upper
 43 100
 58 29.1 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: 2.59 ug/L

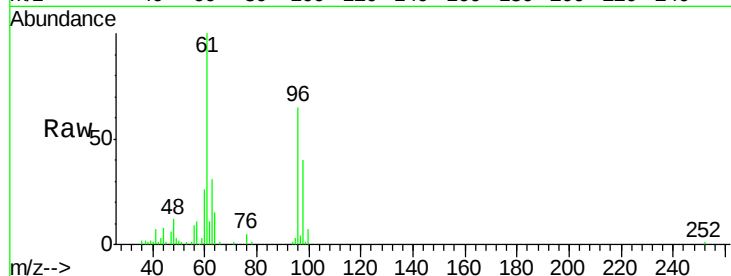
RT: 2.98 min Scan# 743

Delta R.T. -0.00 min

Lab File: VU023646.D

Acq: 04 May 2018 22:19

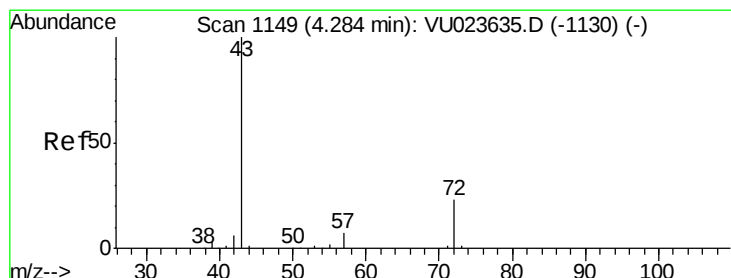
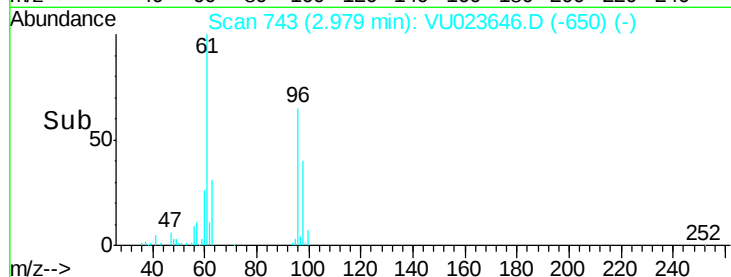
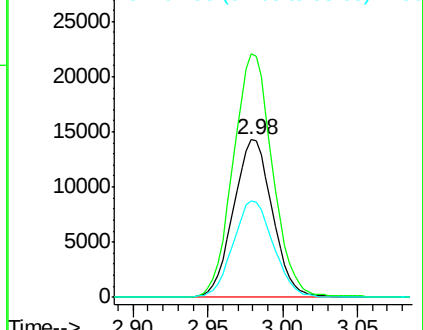
Tgt Ion:	96	Resp:	25998
Ion	Ratio	Lower	Upper
96	100		
61	154.4	109.0	202.4
98	61.3	44.7	83.1



Abundance Ion 96.00 (95.70 to 96.70): VU023646.D (-650) (-)

Ion 61.05 (60.75 to 61.75): VU023646.D (-650) (-)

Ion 97.95 (97.65 to 98.65): VU023646.D (-650) (-)



#21

2-Butanone

Concen: 1.05 ug/L

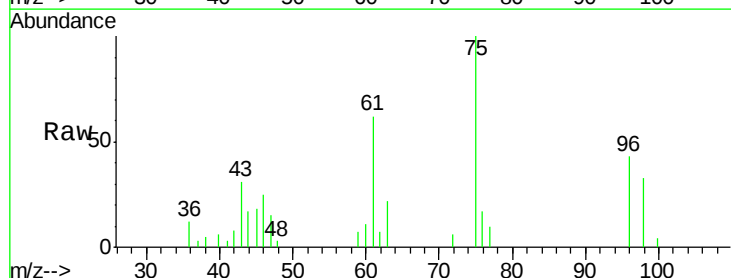
RT: 4.29 min Scan# 1151

Delta R.T. 0.01 min

Lab File: VU023646.D

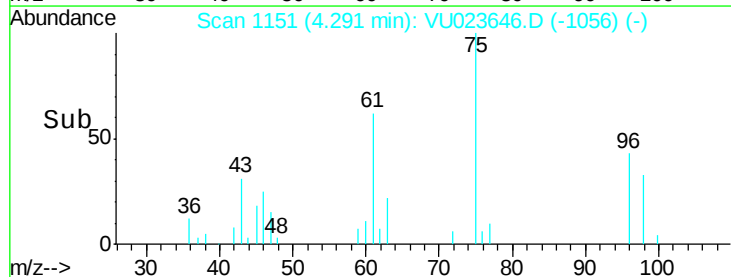
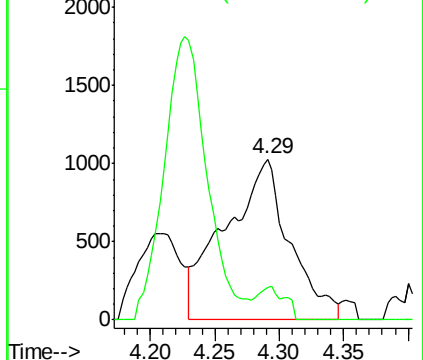
Acq: 04 May 2018 22:19

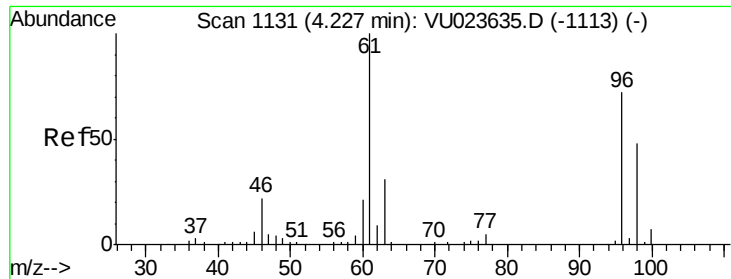
Tgt Ion:	43	Resp:	3584
Ion	Ratio	Lower	Upper
43	100		
72	8.8	12.3	36.8#



Abundance Ion 43.05 (42.75 to 43.75): VU023646.D (-1056) (-)

Ion 72.10 (71.80 to 72.80): VU023646.D (-1056) (-)





#22

cis-1,2-Dichloroethene

Concen: 44.37 ug/L

RT: 4.23 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VU023646.D

Acq: 04 May 2018 22:19

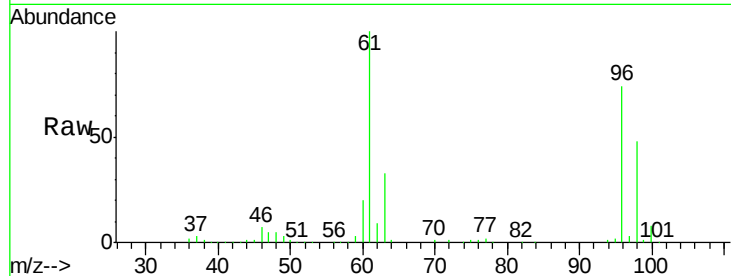
Tgt Ion: 96 Resp: 528944

Ion Ratio Lower Upper

96 100

61 135.4 94.6 175.6

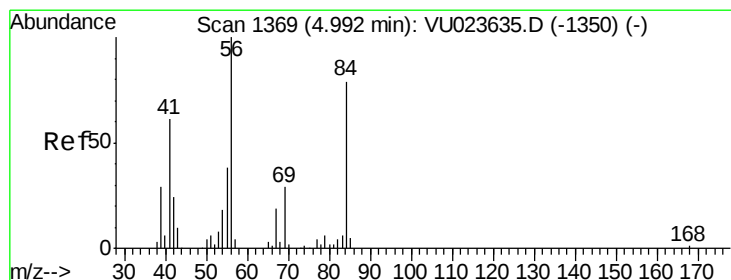
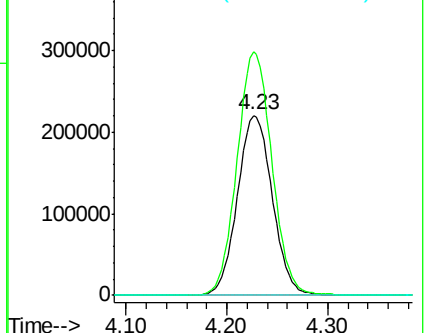
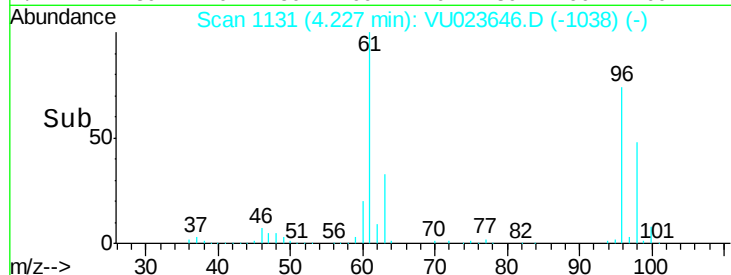
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU023646.D (-1038) (-)

Ion 61.05 (60.75 to 61.75): VU023646.D (-1038) (-)

Ion 68.15 (67.85 to 68.85): VU023646.D (-1038) (-)



#30

Cyclohexane

Concen: 1.26 ug/L

RT: 5.00 min Scan# 1370

Delta R.T. 0.00 min

Lab File: VU023646.D

Acq: 04 May 2018 22:19

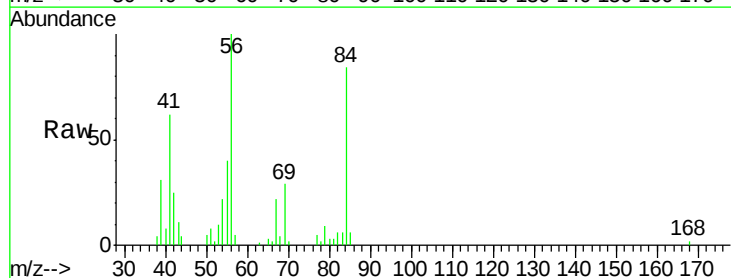
Tgt Ion: 56 Resp: 24162

Ion Ratio Lower Upper

56 100

69 30.1 23.6 35.4

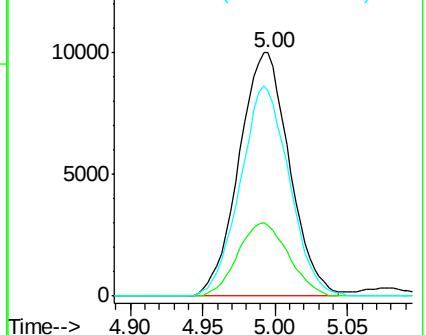
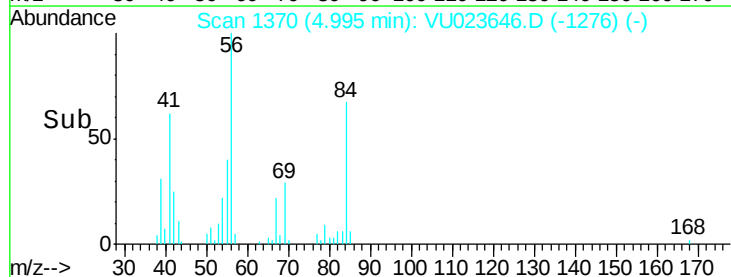
84 83.7 64.4 96.6

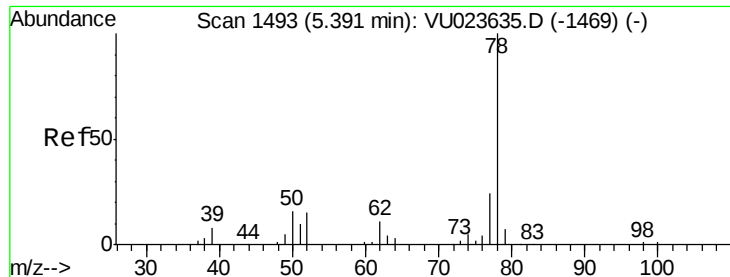


Abundance Ion 56.10 (55.80 to 56.80): VU023646.D (-1276) (-)

Ion 69.15 (68.85 to 69.85): VU023646.D (-1276) (-)

Ion 84.15 (83.85 to 84.85): VU023646.D (-1276) (-)





#33

Benzene

Concen: 4.97 ug/L

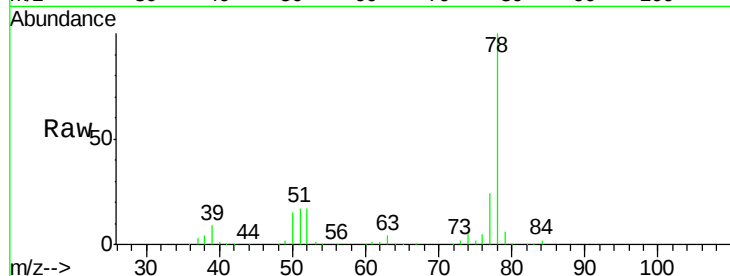
RT: 5.39 min Scan# 1493

Delta R.T. -0.00 min

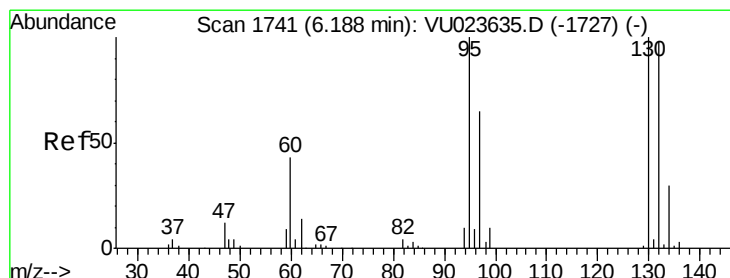
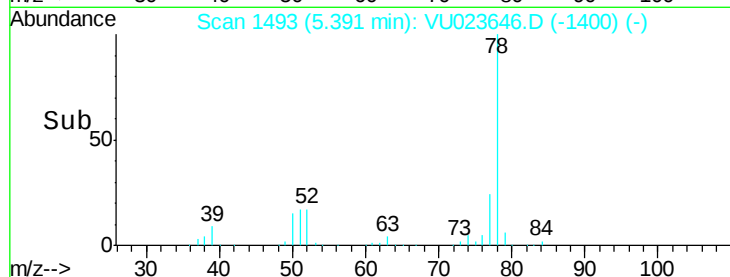
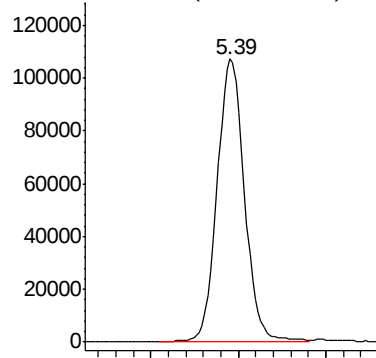
Lab File: VU023646.D

Acq: 04 May 2018 22:19

Tgt Ion: 78 Resp: 233821



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 13.38 ug/L

RT: 6.19 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VU023646.D

Acq: 04 May 2018 22:19

Tgt Ion: 95 Resp: 164028

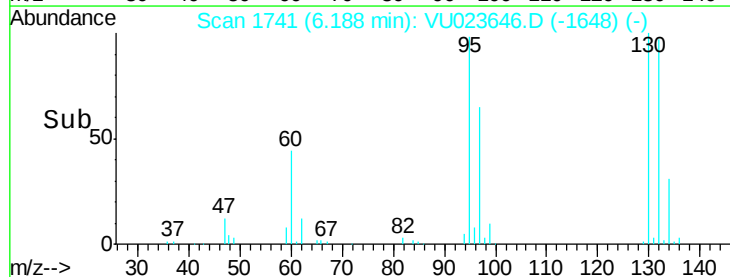
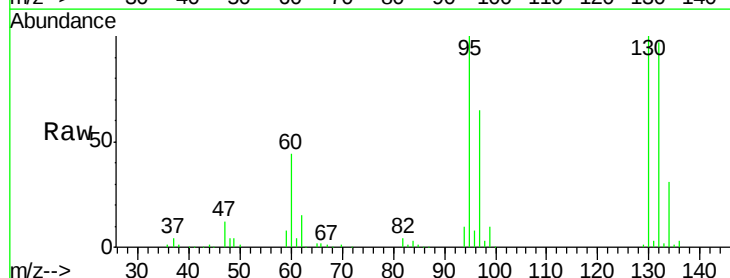
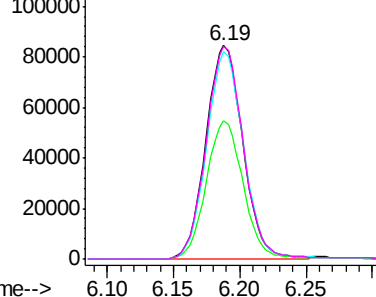
Ion	Ratio	Lower	Upper
95	100		
97	64.6	46.0	85.4
132	96.9	68.1	126.5
130	99.6	70.1	130.1

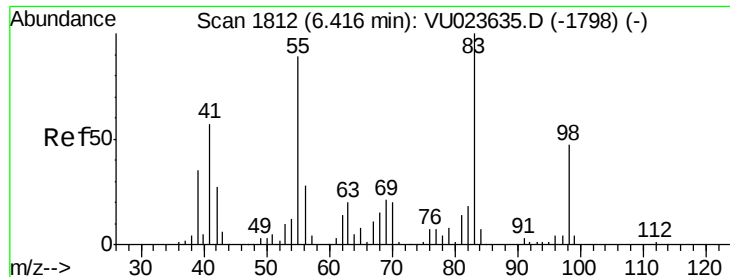
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

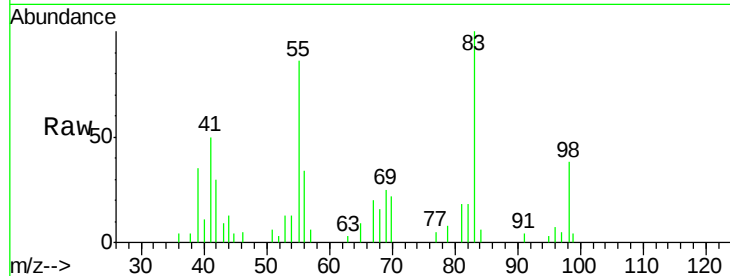
Ion 129.95 (129.65 to 130.65): V



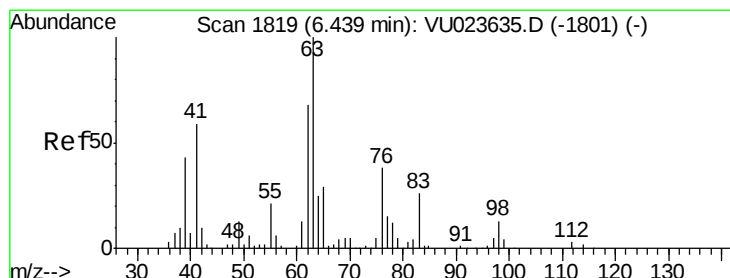
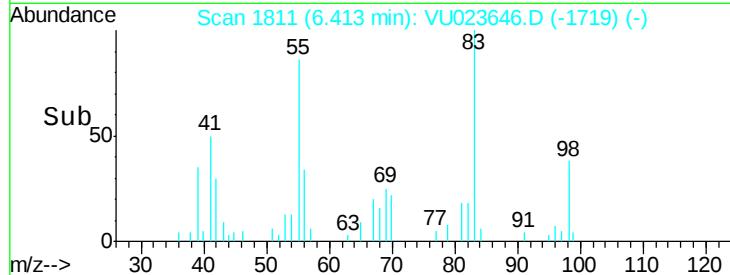
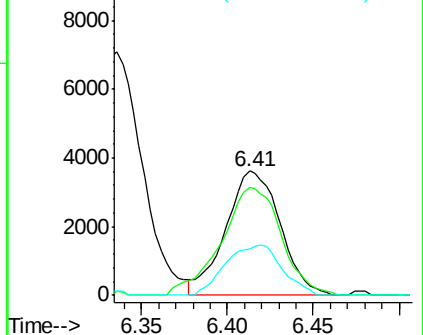


#35
Methylcyclohexane
Concen: 0.43 ug/L
RT: 6.41 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VU023646.D
Acq: 04 May 2018 22:19

Tgt Ion: 83 Resp: 7991
Ion Ratio Lower Upper
83 100
55 95.6 68.4 102.6
98 41.8 36.7 55.1

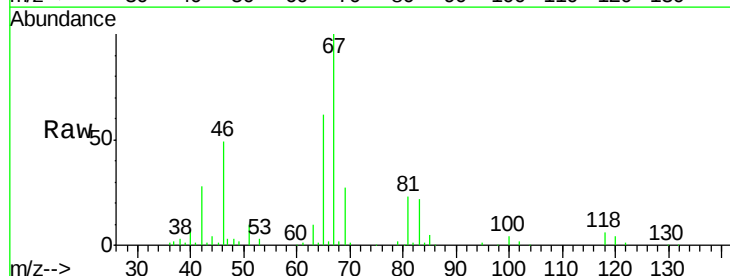


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

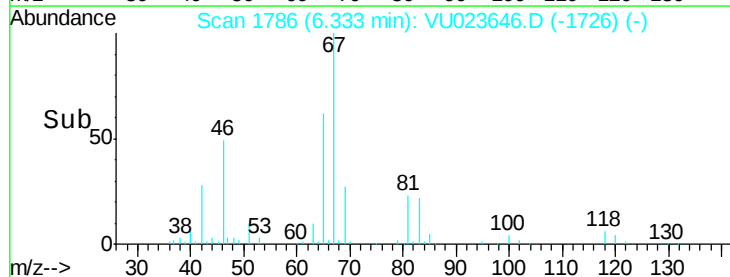
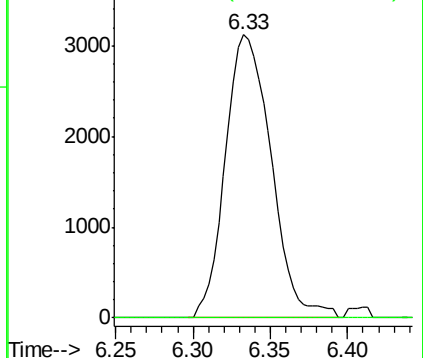


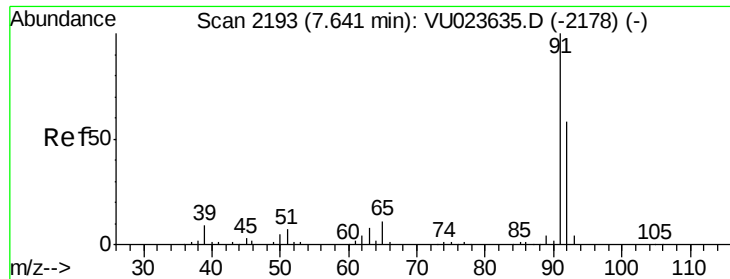
#37
1,2-Dichloropropane
Concen: 0.49 ug/L
RT: 6.33 min Scan# 1786
Delta R.T. -0.11 min
Lab File: VU023646.D
Acq: 04 May 2018 22:19

Tgt Ion: 63 Resp: 6434
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: 4.76 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU023646.D

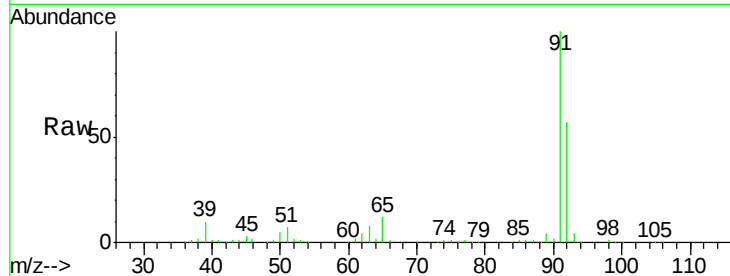
Acq: 04 May 2018 22:19

Tgt Ion: 91 Resp: 228323

Ion Ratio Lower Upper

91 100

92 57.3 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VU023635.D (-2178) (-)

Ion 92.15 (91.85 to 92.85): VU023635.D (-2178) (-)

7.64

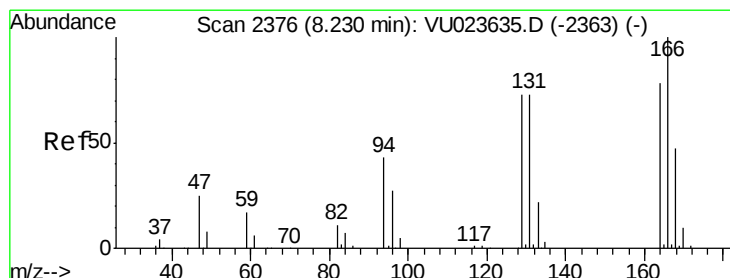
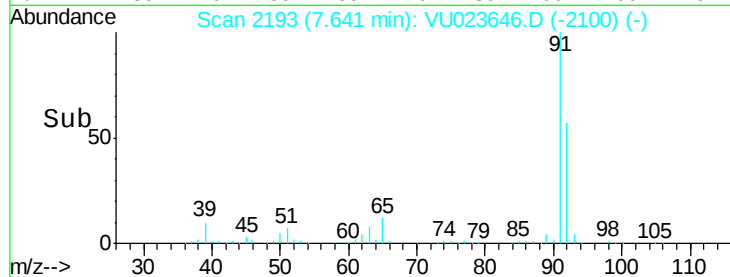
150000

100000

50000

0

Time-->



#47

Tetrachloroethene

Concen: 19.07 ug/L

RT: 8.23 min Scan# 2376

Delta R.T. -0.00 min

Lab File: VU023646.D

Acq: 04 May 2018 22:19

Tgt Ion: 164 Resp: 185183

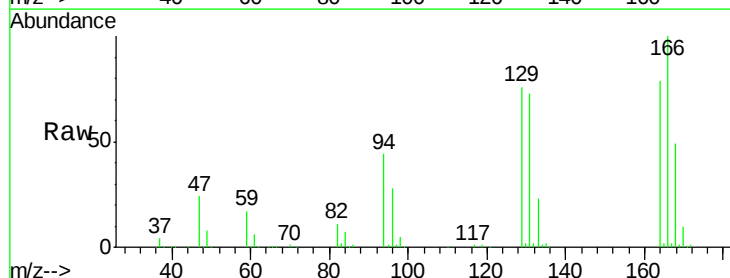
Ion Ratio Lower Upper

164 100

129 97.2 64.4 119.6

131 93.2 63.9 118.7

166 127.3 90.0 167.2



Abundance Ion 163.90 (163.60 to 164.60): VU023635.D (-2363) (-)

Ion 128.95 (128.65 to 129.65): VU023635.D (-2363) (-)

Ion 130.95 (130.65 to 131.65): VU023635.D (-2363) (-)

Ion 165.90 (165.60 to 166.60): VU023635.D (-2363) (-)

200000

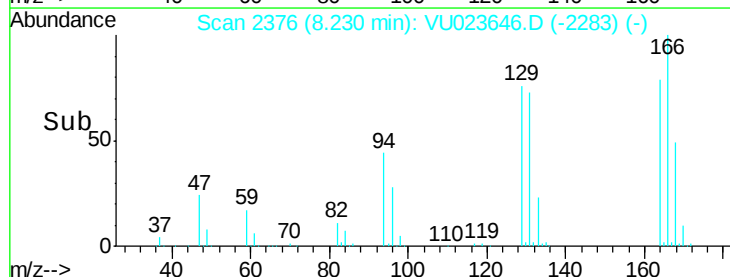
150000

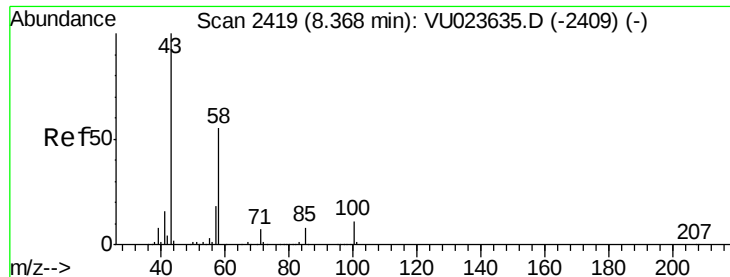
100000

50000

0

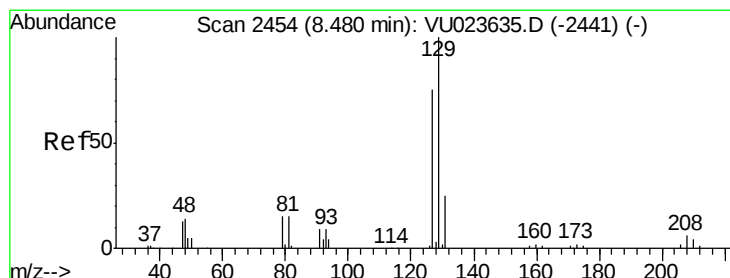
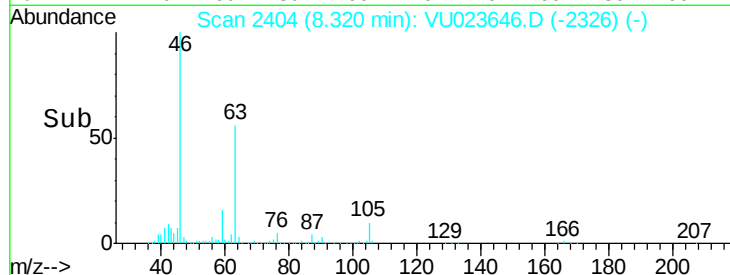
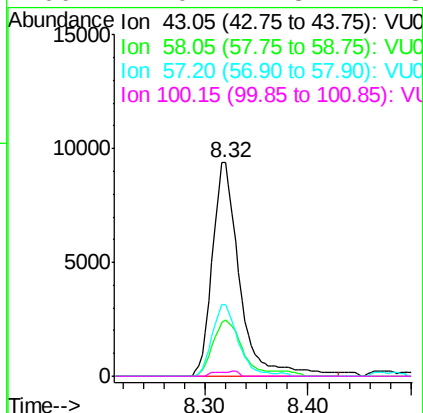
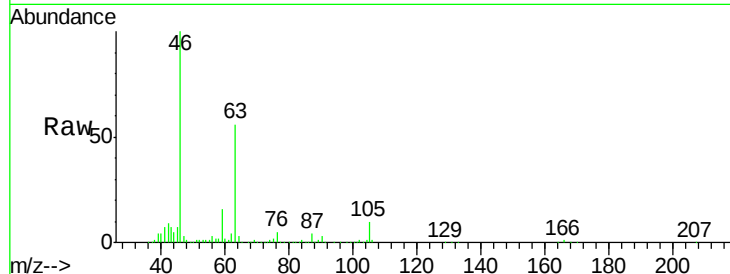
Time-->





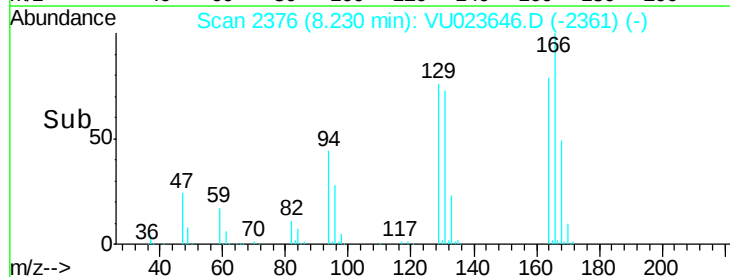
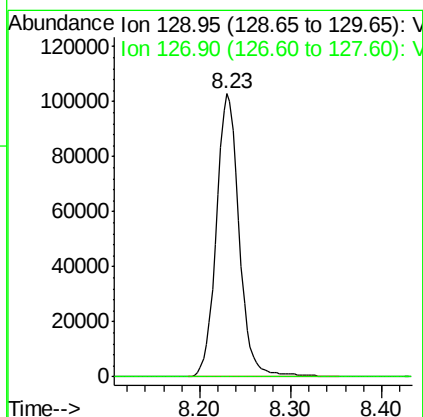
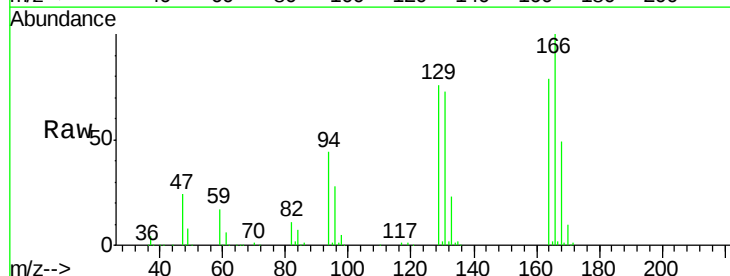
#48
2-Hexanone
Concen: 2.99 ug/L
RT: 8.32 min Scan# 2404
Delta R.T. -0.05 min
Lab File: VU023646.D
Acq: 04 May 2018 22:19

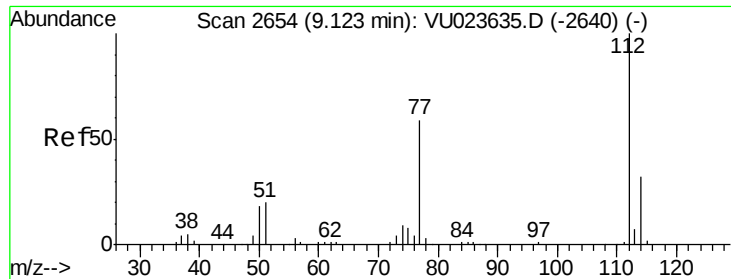
Tgt Ion:	43	Resp:	17300
Ion	Ratio	Lower	Upper
43	100		
58	29.6	42.1	63.1#
57	31.6	14.3	21.5#
100	2.0	7.8	11.8#



#49
Dibromochloromethane
Concen: 19.09 ug/L
RT: 8.23 min Scan# 2376
Delta R.T. -0.25 min
Lab File: VU023646.D
Acq: 04 May 2018 22:19

Tgt Ion:	129	Resp:	179443
Ion	Ratio	Lower	Upper
129	100		
127	0.0	56.9	105.7#





#51

Chlorobenzene

Concen: 4.82 ug/L

RT: 9.12 min Scan# 2654

Delta R.T. -0.00 min

Lab File: VU023646.D

Acq: 04 May 2018 22:19

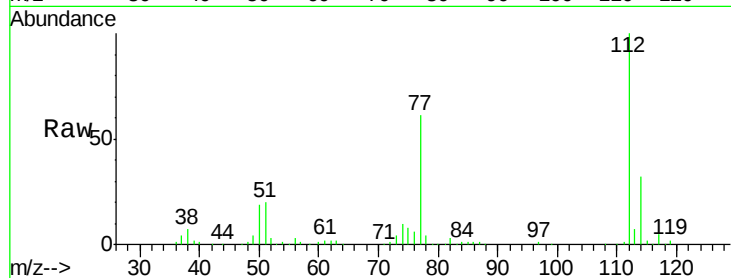
Tgt Ion: 112 Resp: 151509

Ion Ratio Lower Upper

112 100

114 32.3 22.3 41.3

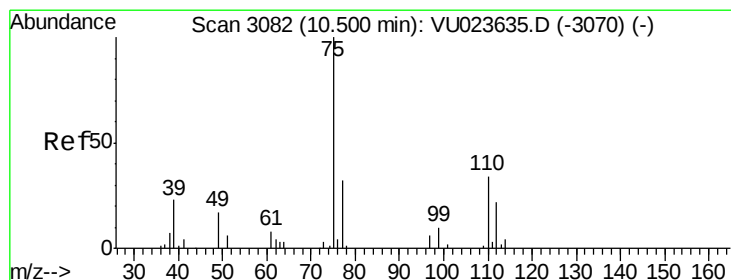
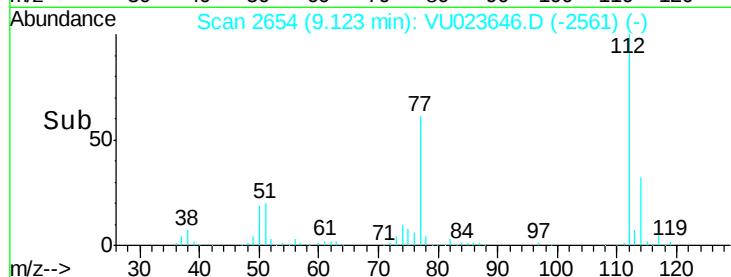
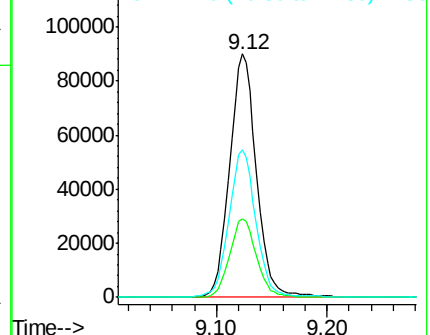
77 60.9 48.8 73.2



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): VU0



#59

1,2,3-Trichloropropane

Concen: 1.10 ug/L

RT: 11.49 min Scan# 3390

Delta R.T. 0.99 min

Lab File: VU023646.D

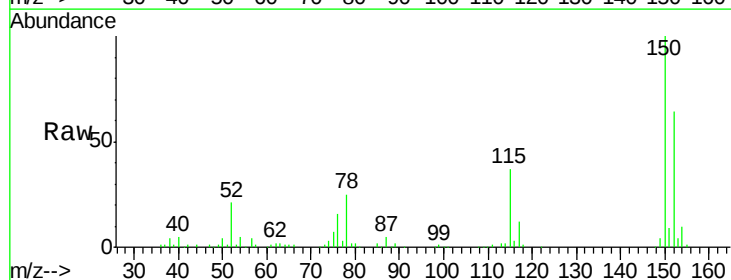
Acq: 04 May 2018 22:19

Tgt Ion: 75 Resp: 8458

Ion Ratio Lower Upper

75 100

77 34.5 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

