

Data File : VU028258.D
Acq On : 19 Nov 2018 16:50
Operator : MD/SY
Sample : J5986-02 10X MS
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H0FG7MS

Quant Time: Nov 20 07:12:44 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 20 07:07:24 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	129550	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	126432	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	55462	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	42614	4.37	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.40%
7) Chloroethane-d5	1.68	69	38930	4.63	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.60%
11) 1,1-Dichloroethene-d2	2.28	63	88958	4.59	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.80%
20) 2-Butanone-d5	4.20	46	146390	44.87	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.74%
24) Chloroform-d	4.65	84	81532	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.60%
26) 1,2-Dichloroethane-d4	5.31	65	45624	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.80%
32) Benzene-d6	5.34	84	160500	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.20%
36) 1,2-Dichloropropane-d6	6.33	67	62308	4.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.40%
41) Toluene-d8	7.57	98	138936	4.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.40%
43) trans-1,3-Dichloropropene-	7.85	79	17482	4.14	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.80%
46) 2-Hexanone-d5	8.31	63	102595	40.52	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.04%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	42412	4.44	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.80%
64) 1,2-Dichlorobenzene-d4	11.86	152	48486	4.70	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.00%

Target Compounds

						Qvalue
5) Vinyl chloride	1.41	62	12904	0.981	ug/L #	63
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	791	0.094	ug/L #	23
12) 1,1-Dichloroethene	2.29	96	43603	5.467	ug/L	88
16) Methylene chloride	2.71	84	2072	0.206	ug/L #	78
17) Methyl tert-butyl Ether	3.01	73	40896	1.707	ug/L	96
18) trans-1,2-Dichloroethene	2.98	96	3156	0.371	ug/L	87
19) 1,1-Dichloroethane	3.45	63	1744	0.089	ug/L #	80
22) cis-1,2-Dichloroethene	4.23	96	77292	7.697	ug/L	95
25) Chloroform	4.67	83	5679	0.266	ug/L	78
27) 1,2-Dichloroethane	5.40	62	2143	0.176	ug/L #	78
33) Benzene	5.39	78	210813	5.054	ug/L	100
34) Trichloroethene	6.19	95	128493	12.582	ug/L	97
35) Methylcyclohexane	6.33	83	12262	0.762	ug/L #	13
37) 1,2-Dichloropropane	6.33	63	6470	0.544	ug/L #	92
38) Bromodichloromethane	6.76	83	915	0.070	ug/L #	78
39) cis-1,3-Dichloropropene	7.23	75	1199	0.079	ug/L #	78
42) Toluene	7.64	91	209365	4.952	ug/L	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111918\
Quantitation Report (Not Reviewed)

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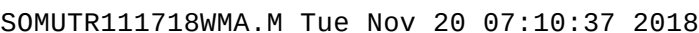
Instrument :
MSVOA_U
ClientSampleId :
H0FG7MS

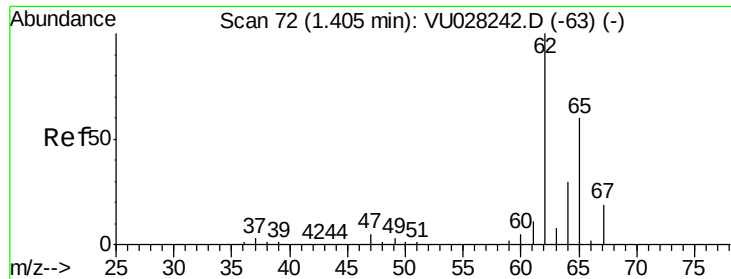
Quant Time: Nov 20 07:12:44 2018
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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 20 07:07:24 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Tetrachloroethene	8.23	164	1170	0.165	ug/L	83
48) 2-Hexanone	8.38	43	2967	0.489	ug/L #	52
49) Dibromochloromethane	8.22	129	1082	0.149	ug/L #	10
51) Chlorobenzene	9.12	112	126761	5.206	ug/L	99
59) 1,2,3-Trichloropropane	11.49	75	7370	1.071	ug/L	89

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

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.981 ug/L

RT: 1.41 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU028258.D

Acq: 19 Nov 2018 16:50

Instrument :

MSVOA_U

ClientSampleId :

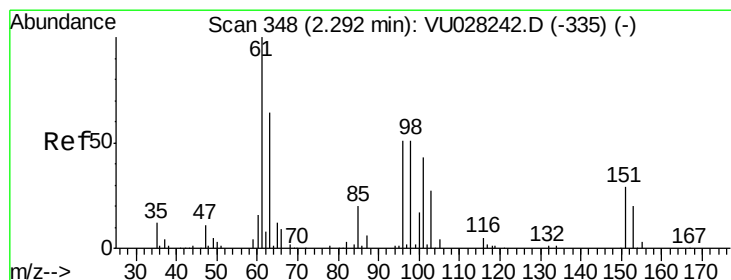
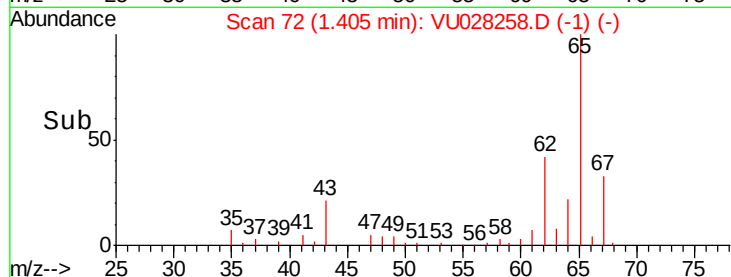
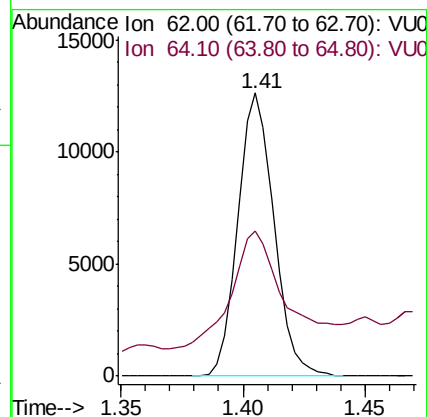
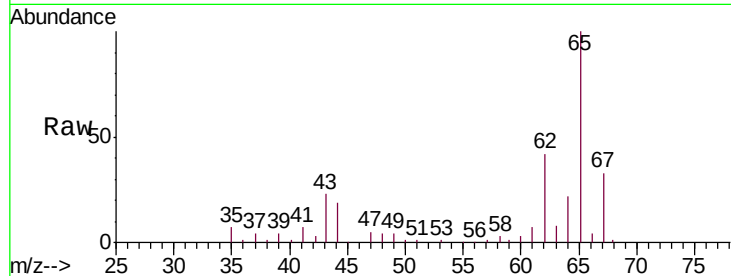
H0FG7MS

Tgt Ion: 62 Resp: 12904

Ion Ratio Lower Upper

62 100

64 51.5 21.7 40.3#



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.094 ug/L

RT: 2.27 min Scan# 342

Delta R.T. -0.02 min

Lab File: VU028258.D

Acq: 19 Nov 2018 16:50

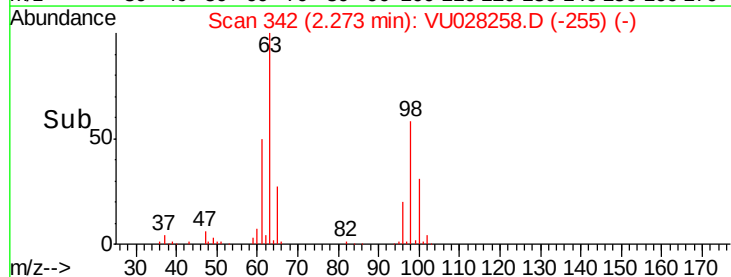
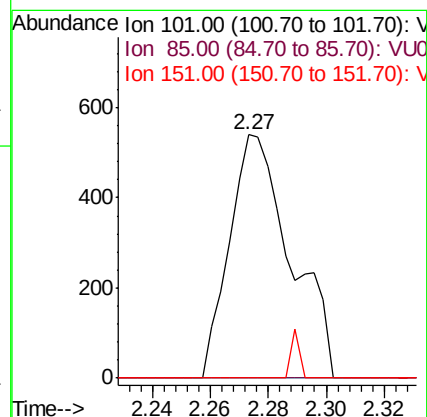
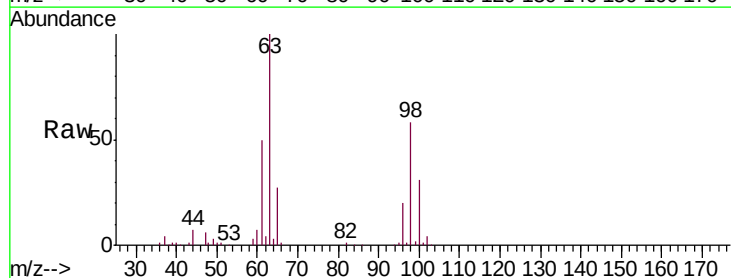
Tgt Ion: 101 Resp: 791

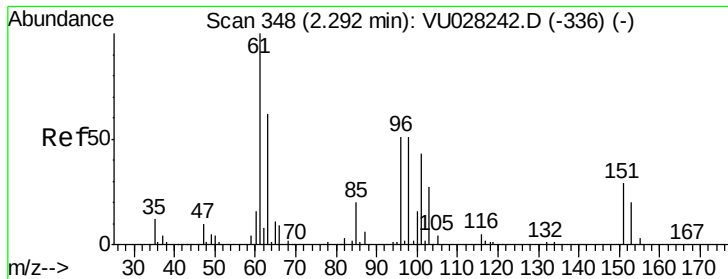
Ion Ratio Lower Upper

101 100

85 0.0 37.4 56.2#

151 2.7 55.0 82.4#

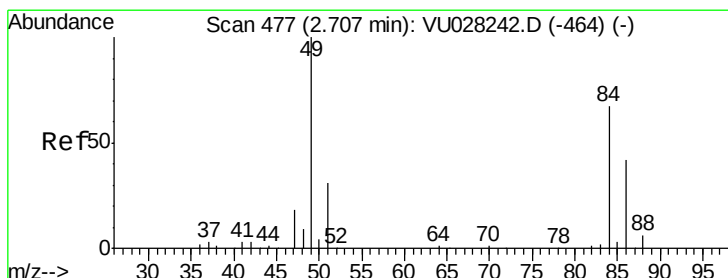
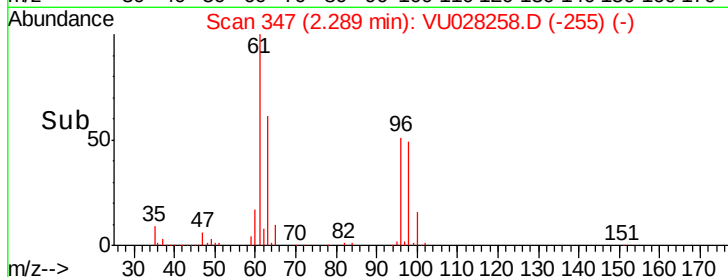
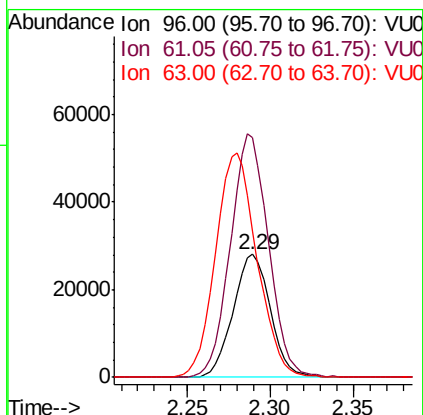
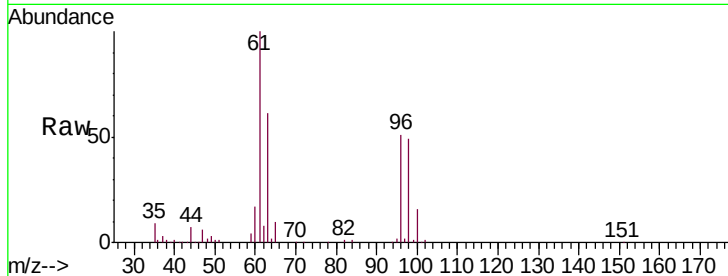




#12
 1,1-Dichloroethene
 Concen: 5.467 ug/L
 RT: 2.29 min Scan# 347
 Delta R.T. -0.00 min
 Lab File: VU028258.D
 Acq: 19 Nov 2018 16:50

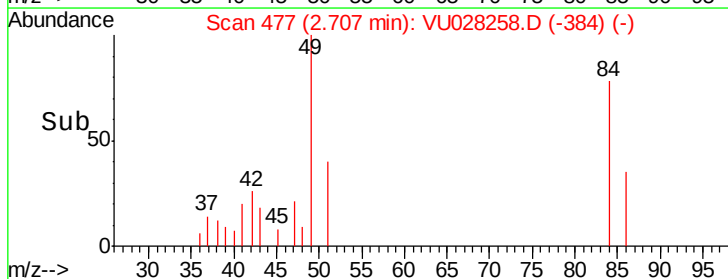
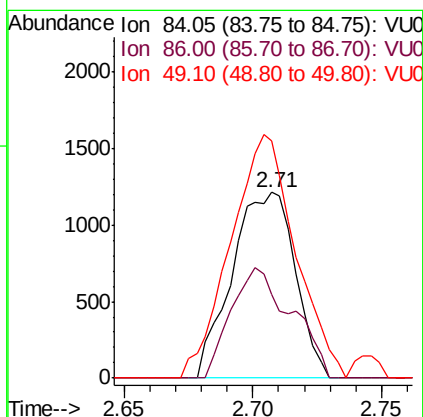
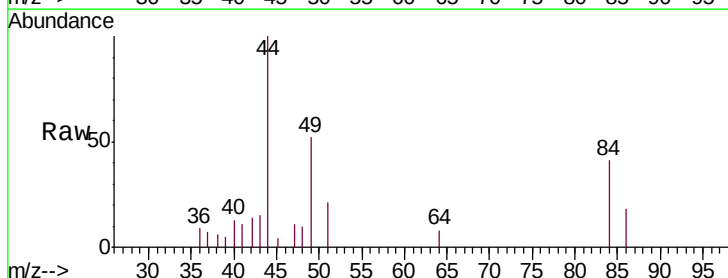
Instrument :
 MSVOA_U
 ClientSampleId :
 H0FG7MS

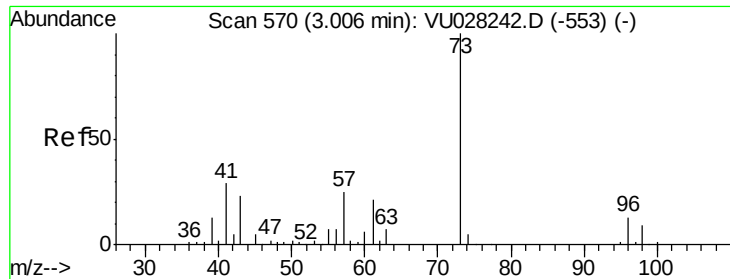
Tgt Ion: 96 Resp: 43603
 Ion Ratio Lower Upper
 96 100
 61 194.5 145.5 270.1
 63 119.5 98.6 183.2



#16
 Methylene chloride
 Concen: 0.206 ug/L
 RT: 2.71 min Scan# 477
 Delta R.T. 0.00 min
 Lab File: VU028258.D
 Acq: 19 Nov 2018 16:50

Tgt Ion: 84 Resp: 2072
 Ion Ratio Lower Upper
 84 100
 86 45.0 45.3 84.1#
 49 127.6 107.9 200.5

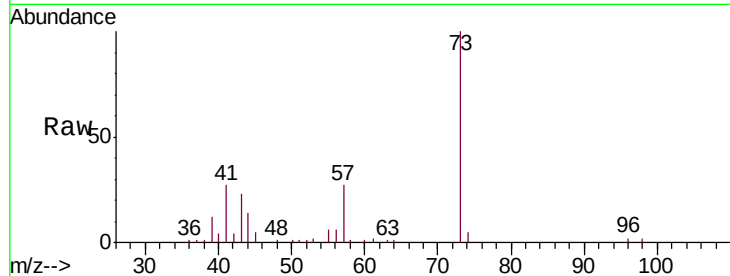




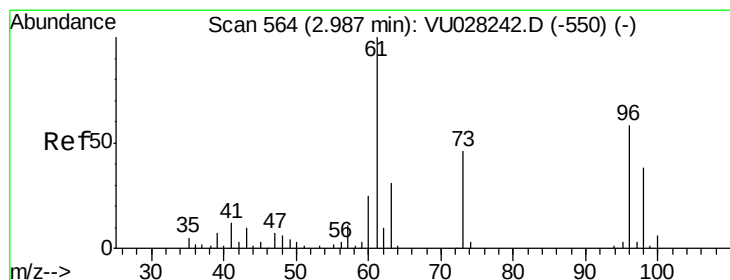
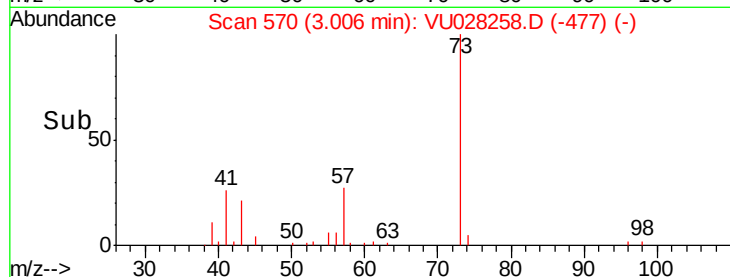
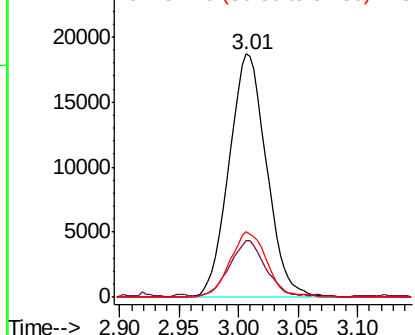
#17
Methyl tert-butyl Ether
Concen: 1.707 ug/L
RT: 3.01 min Scan# 570
Delta R.T. 0.00 min
Lab File: VU028258.D
Acq: 19 Nov 2018 16:50

Instrument :
MSVOA_U
ClientSampleId :
H0FG7MS

Tgt Ion: 73 Resp: 40896
Ion Ratio Lower Upper
73 100
43 21.3 18.8 28.2
57 26.2 19.2 28.8

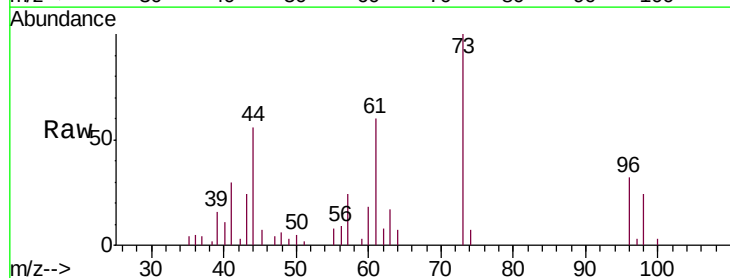


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

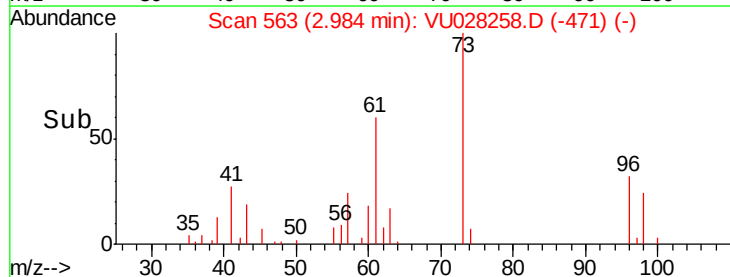
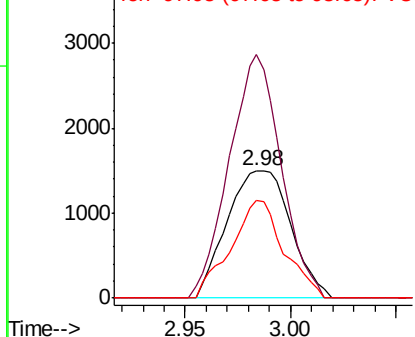


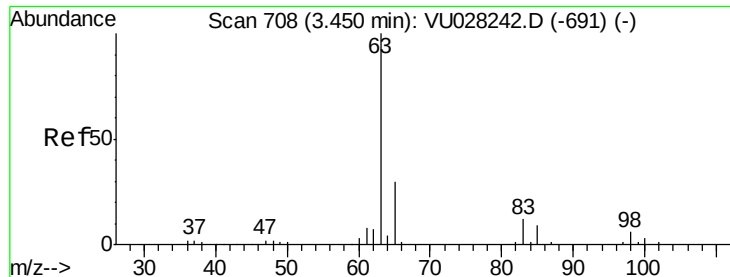
#18
trans-1,2-Dichloroethene
Concen: 0.371 ug/L
RT: 2.98 min Scan# 563
Delta R.T. -0.00 min
Lab File: VU028258.D
Acq: 19 Nov 2018 16:50

Tgt Ion: 96 Resp: 3156
Ion Ratio Lower Upper
96 100
61 190.7 122.2 227.0
98 76.0 44.9 83.5



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

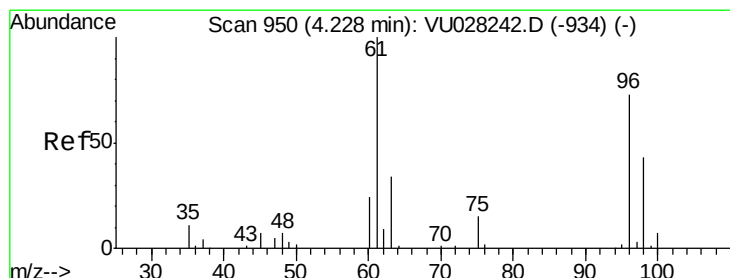
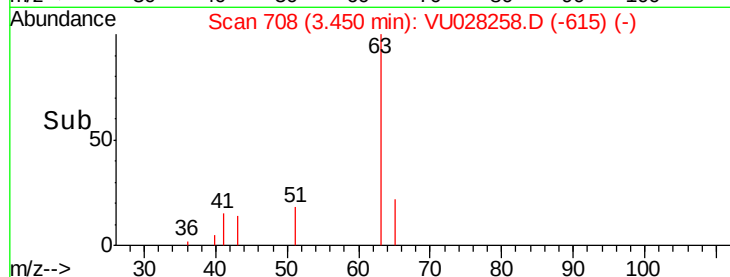
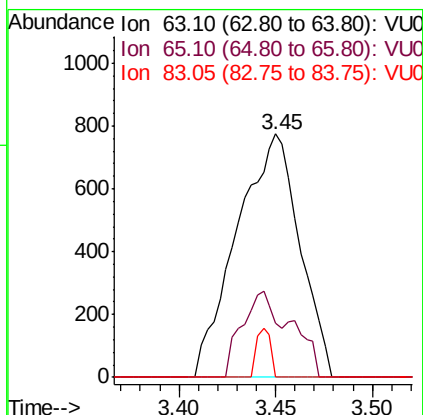
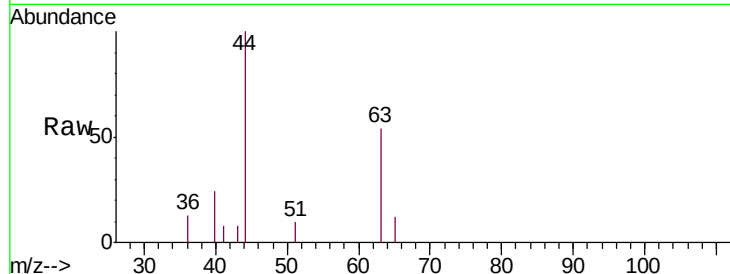




#19
 1,1-Dichloroethane
 Concen: 0.089 ug/L
 RT: 3.45 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: VU028258.D
 Acq: 19 Nov 2018 16:50

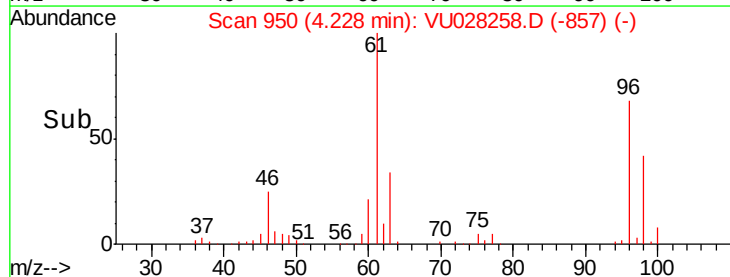
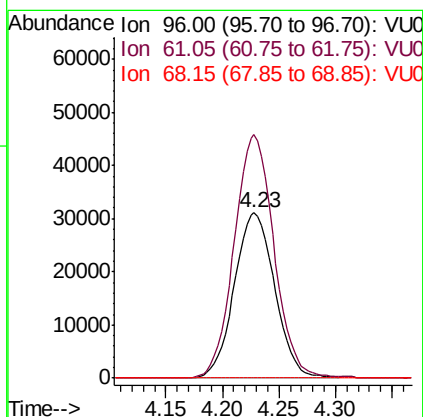
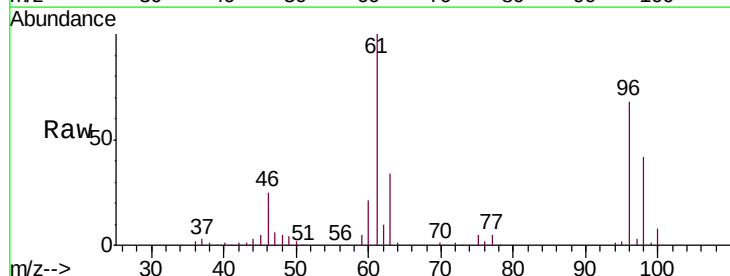
Instrument :
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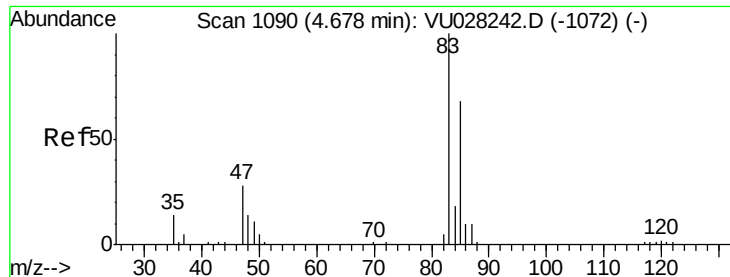
Tgt Ion: 63 Resp: 1744
 Ion Ratio Lower Upper
 63 100
 65 22.2 21.2 39.4
 83 0.0 8.8 16.4#



#22
 cis-1,2-Dichloroethene
 Concen: 7.697 ug/L
 RT: 4.23 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: VU028258.D
 Acq: 19 Nov 2018 16:50

Tgt Ion: 96 Resp: 77292
 Ion Ratio Lower Upper
 96 100
 61 147.5 108.0 200.6
 68 0.0 0.0 0.0

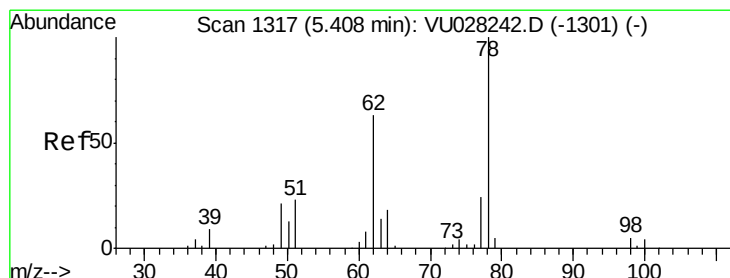
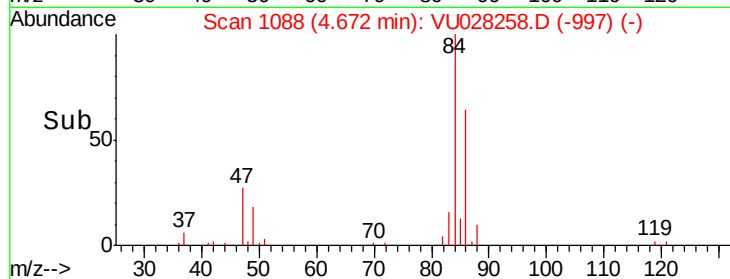
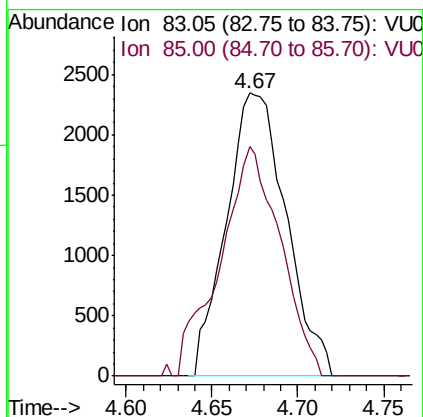
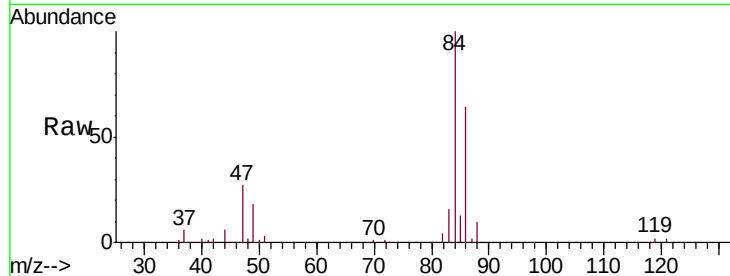




#25
Chloroform
Concen: 0.266 ug/L
RT: 4.67 min Scan# 1088
Delta R.T. -0.01 min
Lab File: VU028258.D
Acq: 19 Nov 2018 16:50

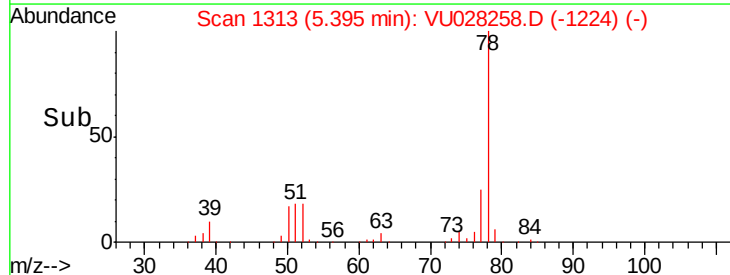
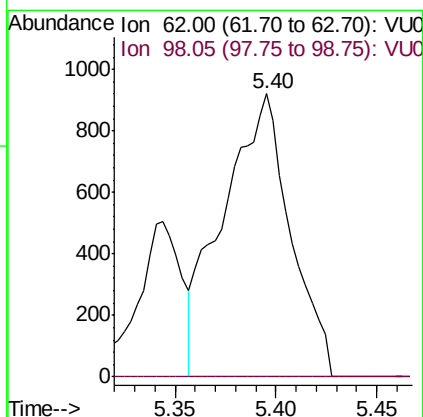
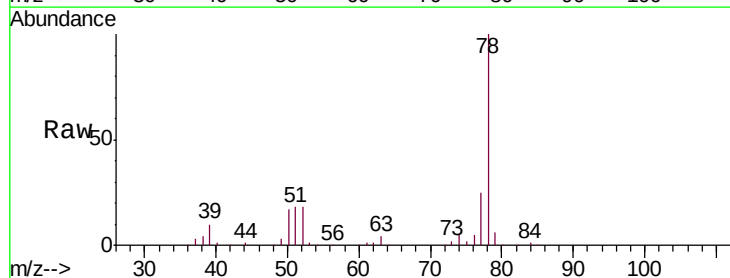
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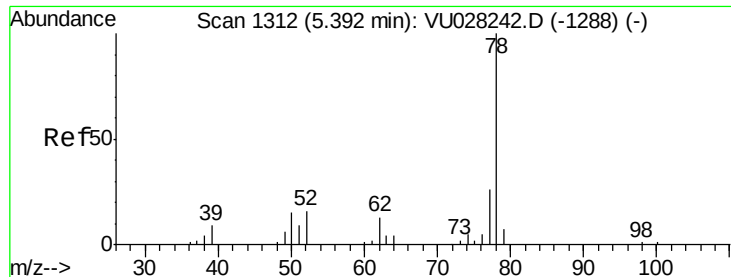
Tgt Ion: 83 Resp: 5679
Ion Ratio Lower Upper
83 100
85 80.9 44.6 82.8



#27
1,2-Dichloroethane
Concen: 0.176 ug/L
RT: 5.40 min Scan# 1313
Delta R.T. -0.01 min
Lab File: VU028258.D
Acq: 19 Nov 2018 16:50

Tgt Ion: 62 Resp: 2143
Ion Ratio Lower Upper
62 100
98 0.0 6.2 9.4#





#33

Benzene

Concen: 5.054 ug/L

RT: 5.39 min Scan# 1311

Delta R.T. -0.00 min

Lab File: VU028258.D

Acq: 19 Nov 2018 16:50

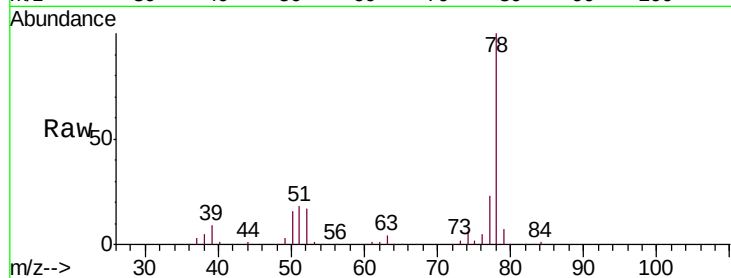
Instrument :

MSVOA_U

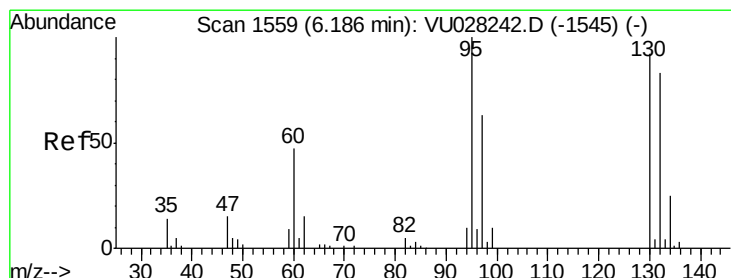
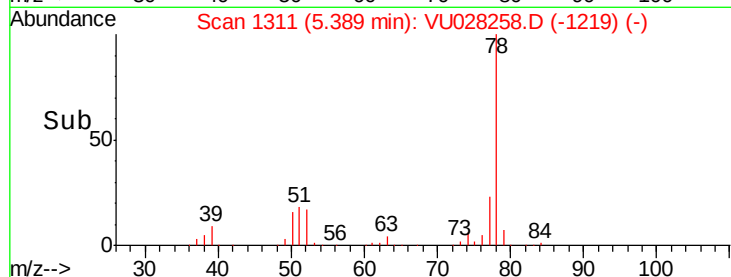
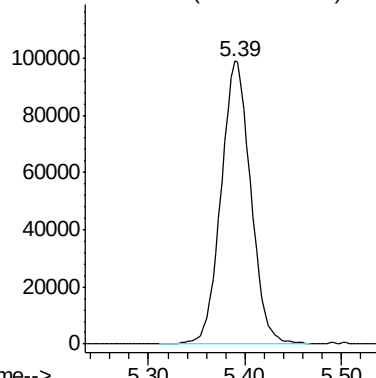
ClientSampleId :

H0FG7MS

Tgt Ion: 78 Resp: 210813



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 12.582 ug/L

RT: 6.19 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VU028258.D

Acq: 19 Nov 2018 16:50

Tgt Ion: 95 Resp: 128493

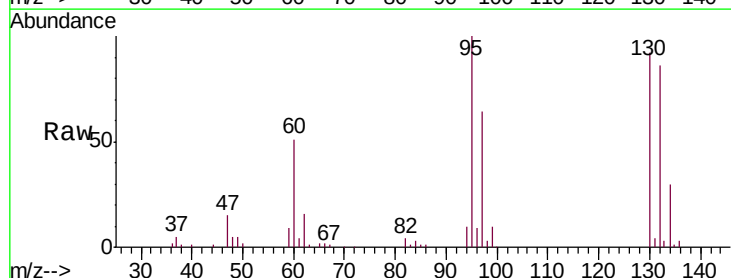
Ion	Ratio	Lower	Upper
95	100		
97	64.4	46.5	86.3
132	85.8	58.9	109.3
130	91.8	61.3	113.9

95 100

97 64.4 46.5 86.3

132 85.8 58.9 109.3

130 91.8 61.3 113.9

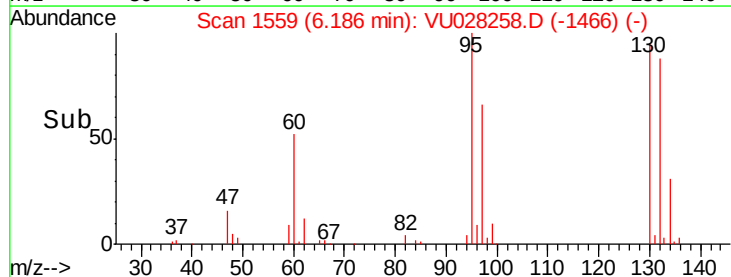
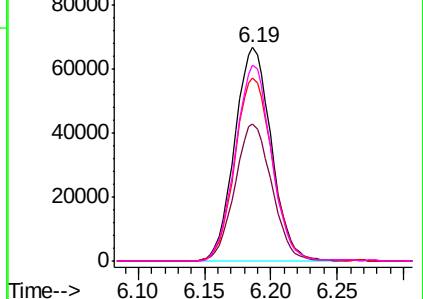


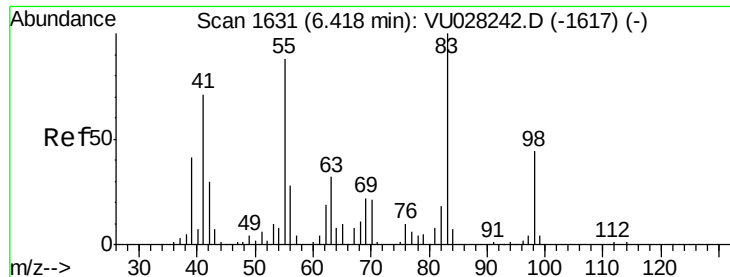
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

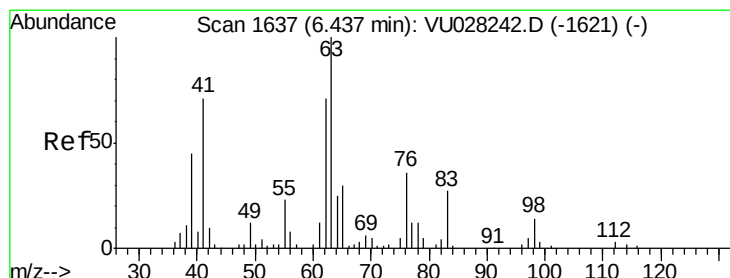
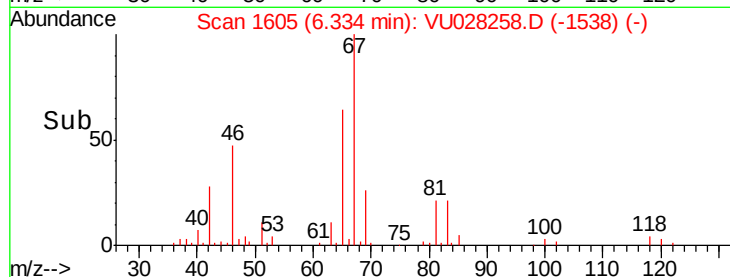
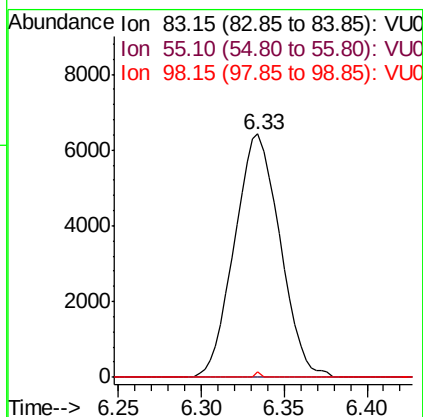
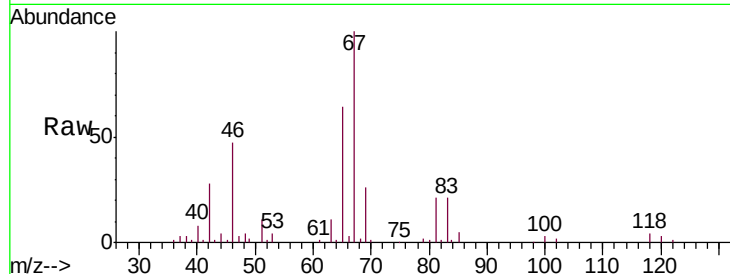




#35
Methylcyclohexane
Concen: 0.762 ug/L
RT: 6.33 min Scan# 1605
Delta R.T. -0.08 min
Lab File: VU028258.D
Acq: 19 Nov 2018 16:50

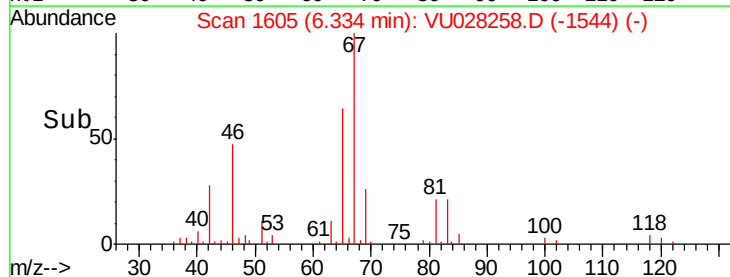
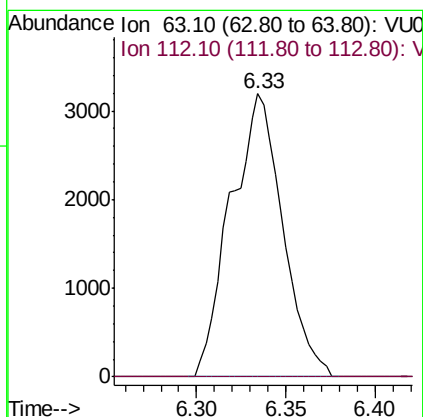
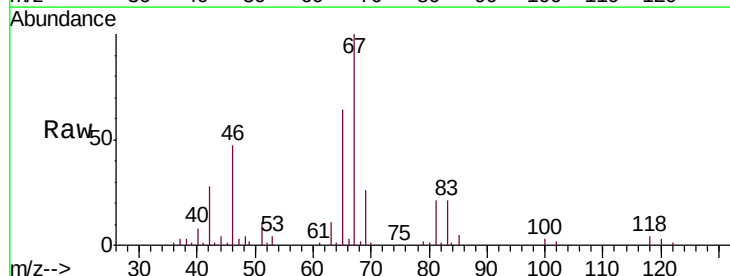
Instrument :
MSVOA_U
ClientSampleId :
H0FG7MS

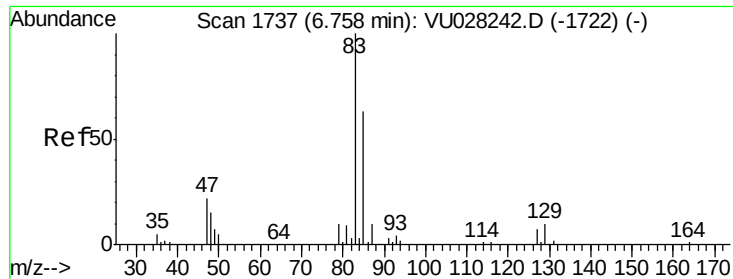
Tgt Ion: 83 Resp: 12262
Ion Ratio Lower Upper
83 100
55 0.0 73.2 109.8#
98 0.0 33.4 50.2#



#37
1,2-Dichloropropane
Concen: 0.544 ug/L
RT: 6.33 min Scan# 1605
Delta R.T. -0.10 min
Lab File: VU028258.D
Acq: 19 Nov 2018 16:50

Tgt Ion: 63 Resp: 6470
Ion Ratio Lower Upper
63 100
112 0.0 2.2 3.2#

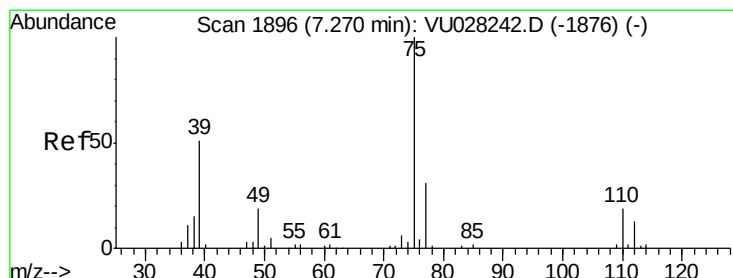
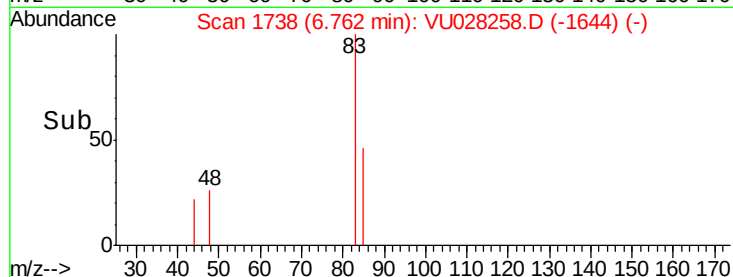
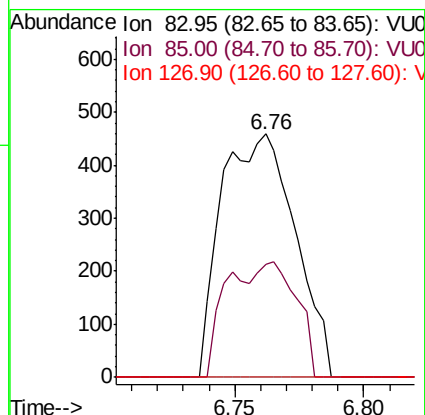
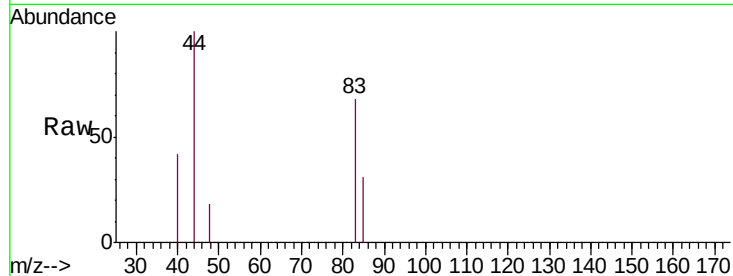




#38
 Bromodichloromethane
 Concen: 0.070 ug/L
 RT: 6.76 min Scan# 1738
 Delta R.T. 0.00 min
 Lab File: VU028258.D
 Acq: 19 Nov 2018 16:50

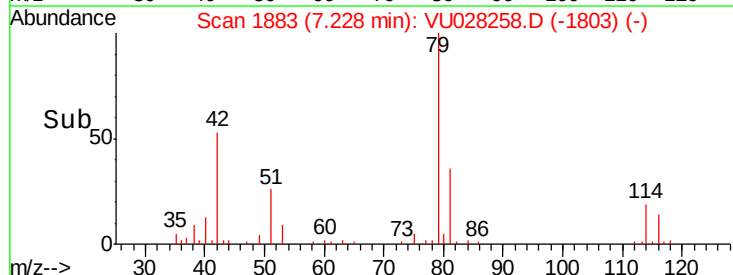
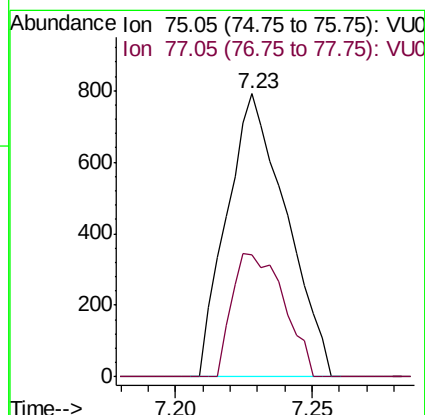
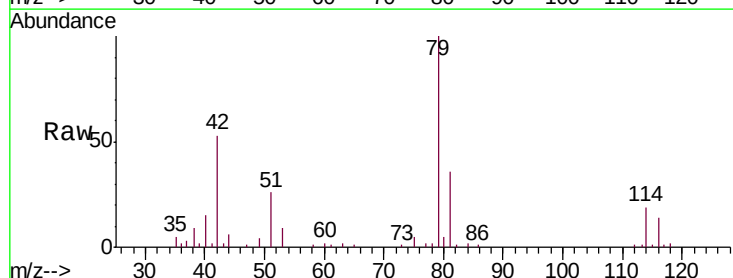
Instrument :
 MSVOA_U
 ClientSampleId :
 H0FG7MS

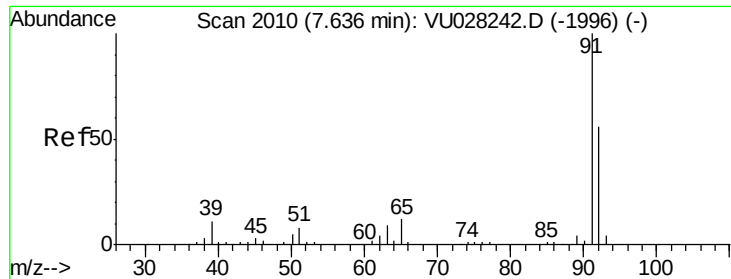
Tgt Ion: 83 Resp: 915
 Ion Ratio Lower Upper
 83 100
 85 46.2 44.2 82.0
 127 0.0 6.2 9.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.079 ug/L
 RT: 7.23 min Scan# 1883
 Delta R.T. -0.04 min
 Lab File: VU028258.D
 Acq: 19 Nov 2018 16:50

Tgt Ion: 75 Resp: 1199
 Ion Ratio Lower Upper
 75 100
 77 43.1 21.7 40.3#





#42

Toluene

Concen: 4.952 ug/L

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU028258.D

Acq: 19 Nov 2018 16:50

Instrument :

MSVOA_U

ClientSampleId :

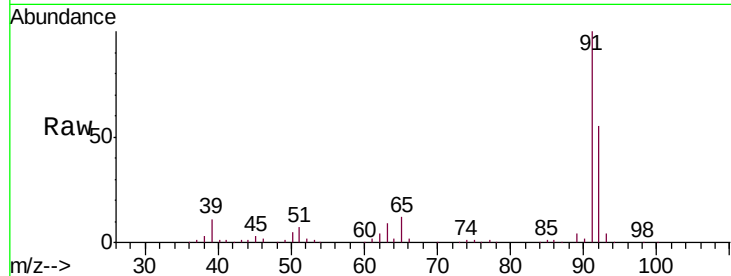
H0FG7MS

Tgt Ion: 91 Resp: 209365

Ion Ratio Lower Upper

91 100

92 54.8 39.0 72.4



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

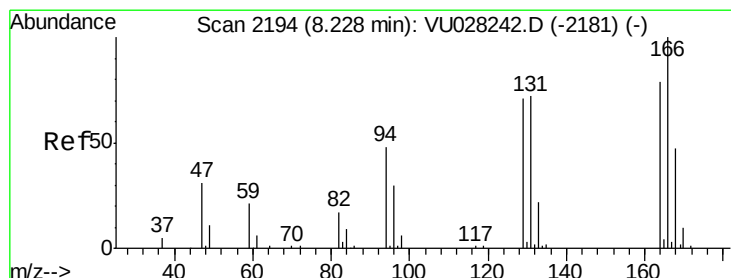
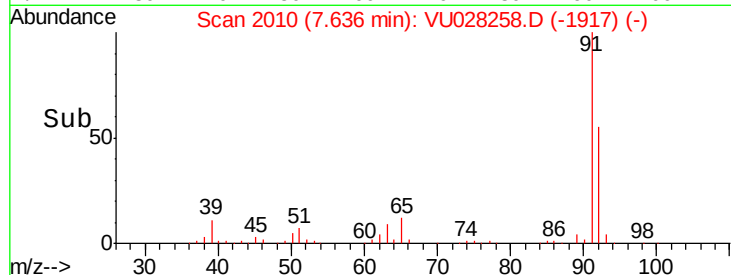
7.64

100000

50000

0

Time-->



#47

Tetrachloroethene

Concen: 0.165 ug/L

RT: 8.23 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VU028258.D

Acq: 19 Nov 2018 16:50

Tgt Ion: 164 Resp: 1170

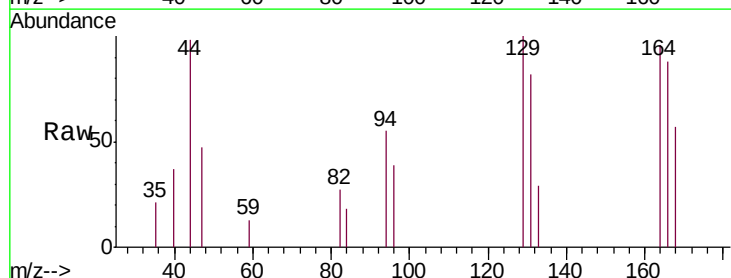
Ion Ratio Lower Upper

164 100

129 104.4 67.6 125.6

131 86.0 66.3 123.1

166 92.1 89.2 165.6



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

1200

1000

800

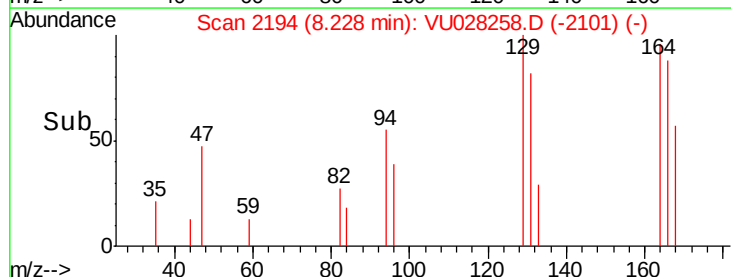
600

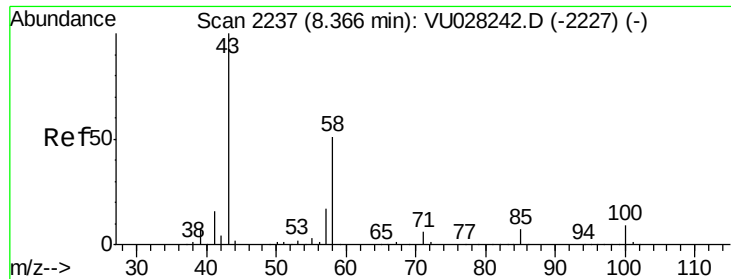
400

200

0

Time-->

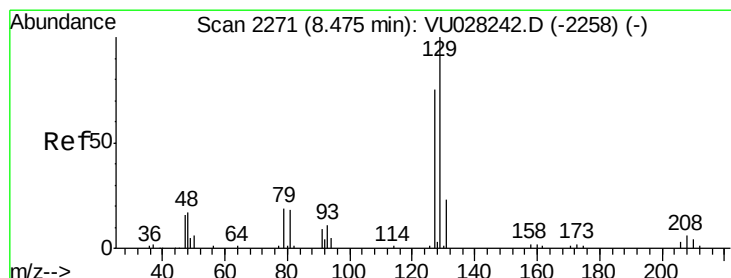
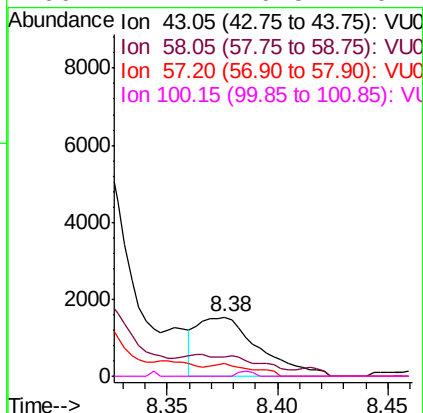
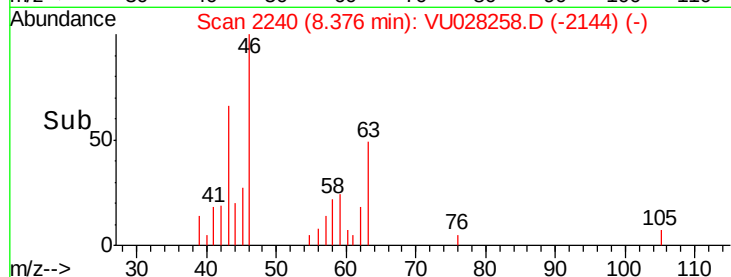
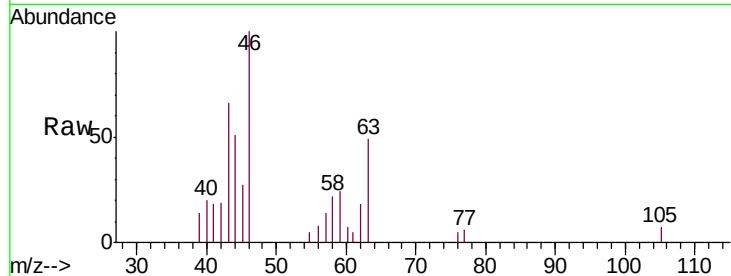




#48
2-Hexanone
Concen: 0.489 ug/L
RT: 8.38 min Scan# 2240
Delta R.T. 0.01 min
Lab File: VU028258.D
Acq: 19 Nov 2018 16:50

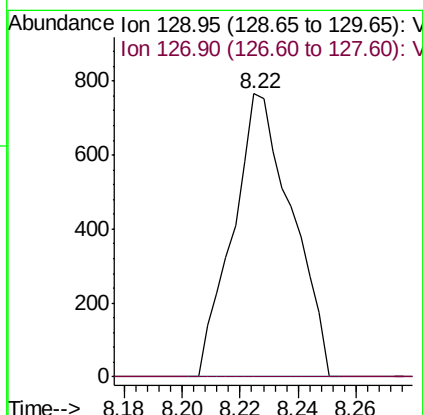
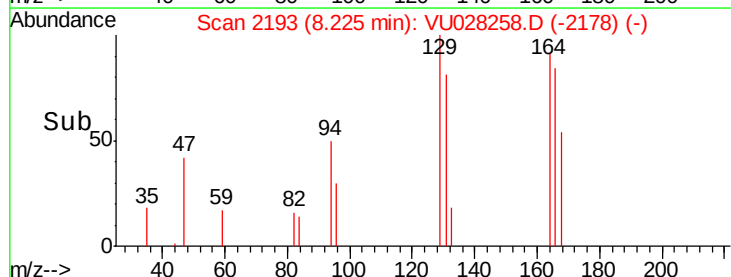
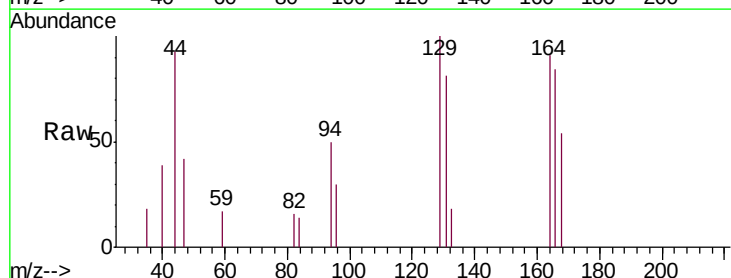
Instrument :
MSVOA_U
ClientSampleId :
H0FG7MS

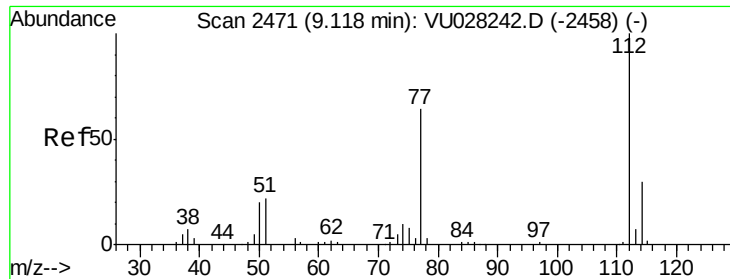
Tgt Ion:	43	Resp:	2967
Ion	Ratio	Lower	Upper
43	100		
58	4.9	41.1	61.7#
57	14.4	13.8	20.8
100	2.2	6.5	9.7#



#49
Dibromochloromethane
Concen: 0.149 ug/L
RT: 8.22 min Scan# 2193
Delta R.T. -0.25 min
Lab File: VU028258.D
Acq: 19 Nov 2018 16:50

Tgt Ion:	129	Resp:	1082
Ion	Ratio	Lower	Upper
129	100		
127	0.0	54.7	101.5#





#51

Chlorobenzene

Concen: 5.206 ug/L

RT: 9.12 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VU028258.D

Acq: 19 Nov 2018 16:50

Instrument :

MSVOA_U

ClientSampleId :

H0FG7MS

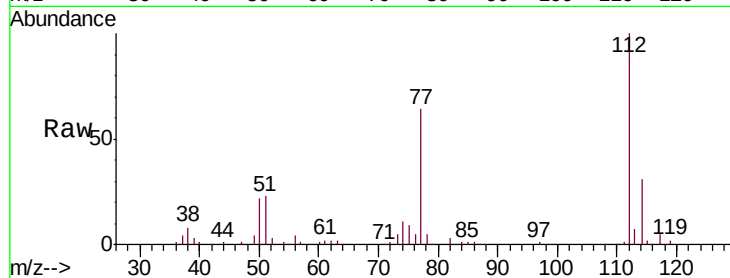
Tgt Ion: 112 Resp: 126761

Ion Ratio Lower Upper

112 100

114 31.4 22.3 41.5

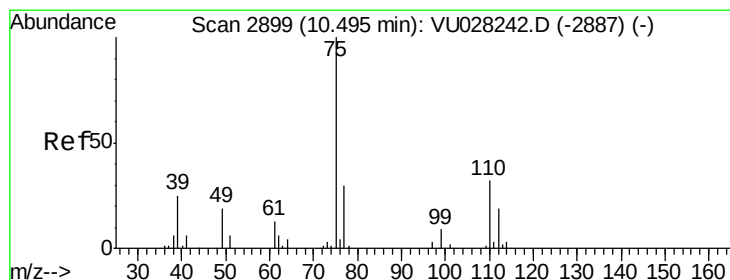
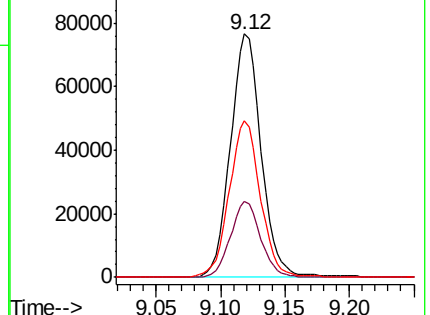
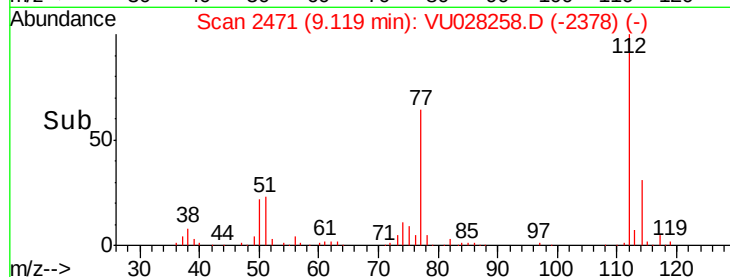
77 64.2 52.4 78.6



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: 1.071 ug/L

RT: 11.49 min Scan# 3207

Delta R.T. 0.99 min

Lab File: VU028258.D

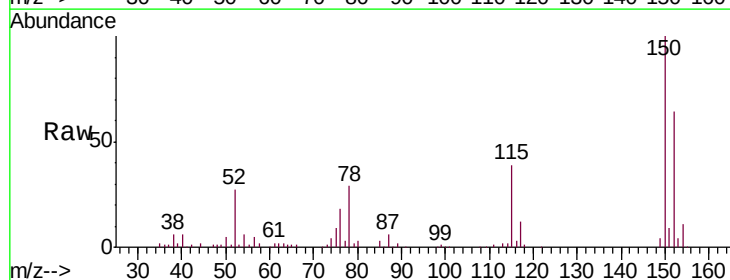
Acq: 19 Nov 2018 16:50

Tgt Ion: 75 Resp: 7370

Ion Ratio Lower Upper

75 100

77 38.2 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VU

Ion 77.00 (76.70 to 77.70): VU

