

Data File : VU032061.D
Acq On : 16 May 2019 20:14
Operator : JC/SP
Sample : K2850-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F9W03

Quant Time: May 17 07:22:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 17 07:17:36 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	430234	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	411278	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	155281	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	154094	4.25	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.00%
7) Chloroethane-d5	1.68	69	130443	4.21	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.20%
11) 1,1-Dichloroethene-d2	2.27	63	218041	3.78	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.60%
20) 2-Butanone-d5	4.20	46	292926	41.17	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	82.34%
24) Chloroform-d	4.64	84	264235	4.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.00%
26) 1,2-Dichloroethane-d4	5.31	65	134314	4.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.80%
32) Benzene-d6	5.33	84	539864	4.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.00%
36) 1,2-Dichloropropane-d6	6.33	67	161764	4.41	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.20%
41) Toluene-d8	7.56	98	456803	4.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.60%
43) trans-1,3-Dichloropropene-	7.85	79	54435	4.12	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.40%
46) 2-Hexanone-d5	8.31	63	254106	42.62	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.24%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	129235	4.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	159270	4.84	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.80%

Target Compounds

					Qvalue
8) Chloroethane	1.73	64	1872	0.139 ug/L #	59
12) 1,1-Dichloroethene	2.26	96	2537	0.147 ug/L #	1
13) Acetone	2.33	43	15775	6.754 ug/L	95
17) Methyl tert-butyl Ether	3.00	73	2696457	66.383 ug/L	97
18) trans-1,2-Dichloroethene	2.97	96	1913	0.103 ug/L	83
22) cis-1,2-Dichloroethene	4.22	96	7726	0.425 ug/L	95
34) Trichloroethene	6.18	95	28735	1.677 ug/L	96
35) Methylcyclohexane	6.33	83	38820	1.574 ug/L #	20
37) 1,2-Dichloropropane	6.33	63	17229	1.116 ug/L #	87
39) cis-1,3-Dichloropropene	7.22	75	3187	0.149 ug/L #	39
44) trans-1,3-Dichloropropene	7.85	75	2314	0.139 ug/L #	79
47) Tetrachloroethene	8.22	164	29934	2.338 ug/L	97
48) 2-Hexanone	8.37	43	10779	1.941 ug/L #	41
49) Dibromochloromethane	8.22	129	29230	2.224 ug/L #	10
59) 1,2,3-Trichloropropane	11.48	75	18262	1.862 ug/L	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051619\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 17 07:17:36 2019
Response via : Initial Calibration

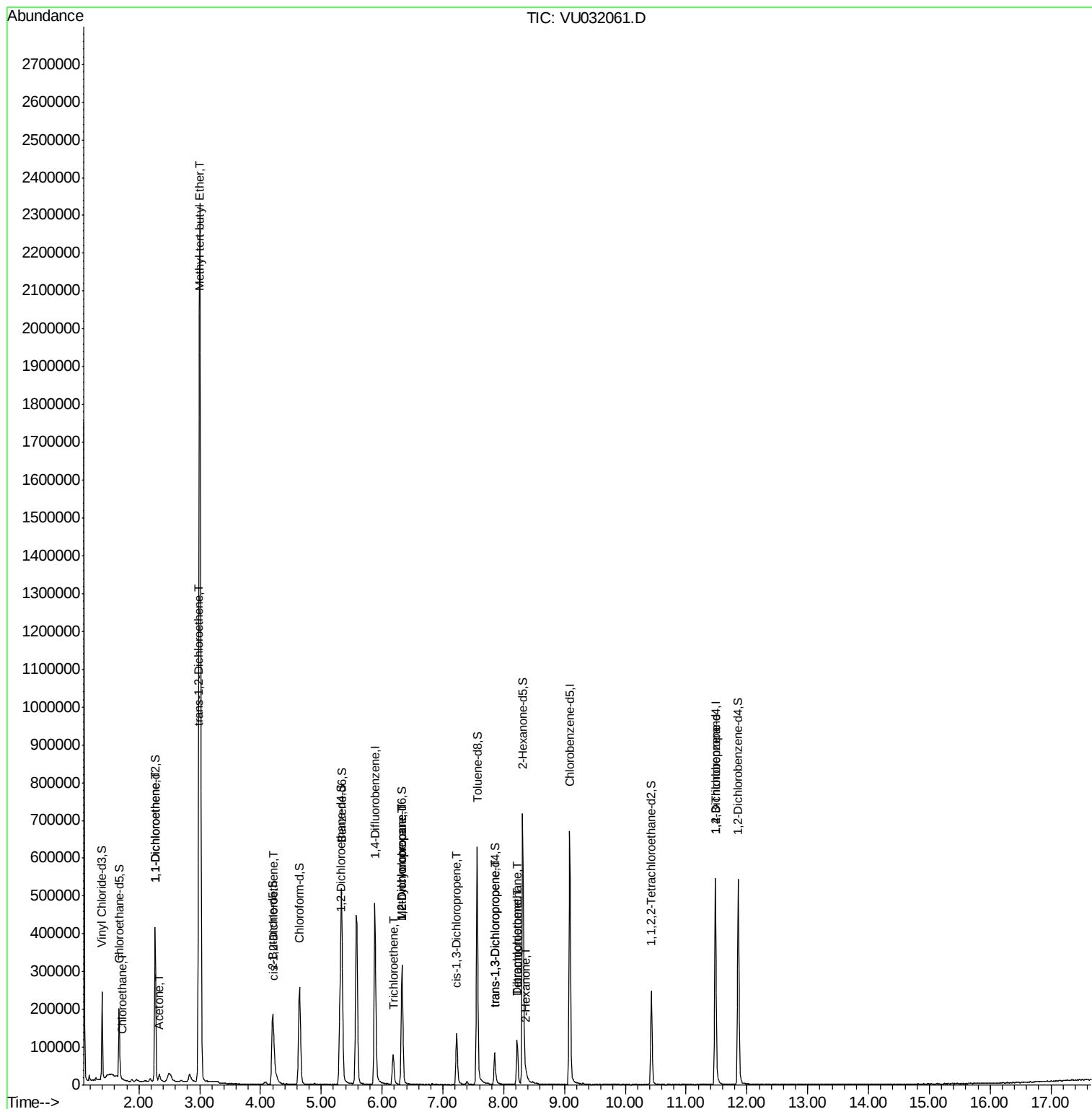
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

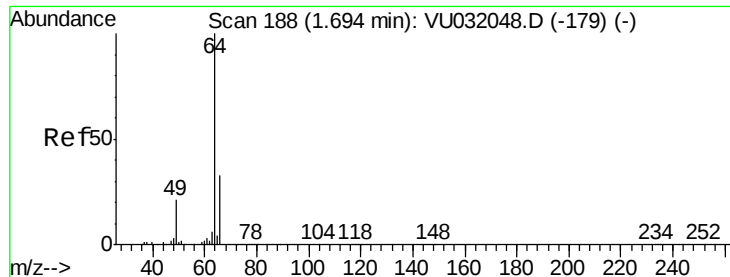
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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Response via : Initial Calibration





#8

Chloroethane

Concen: 0.139 ug/L

RT: 1.73 min Scan# 200

Delta R.T. 0.04 min

Lab File: VU032061.D

Acq: 16 May 2019 20:14

Instrument :

MSVOA_U

ClientSampleId :

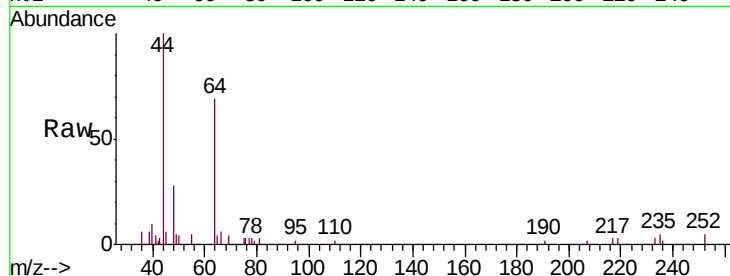
F9W03

Tgt Ion: 64 Resp: 1872

Ion Ratio Lower Upper

64 100

66 8.7 22.0 41.0#

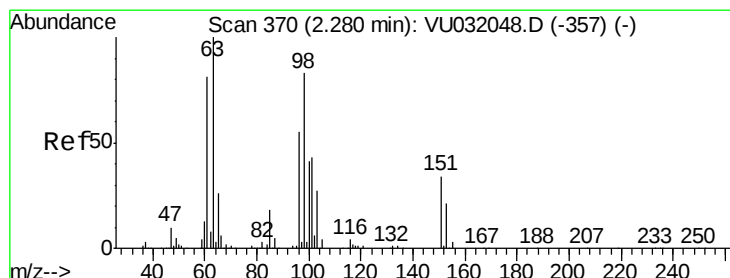
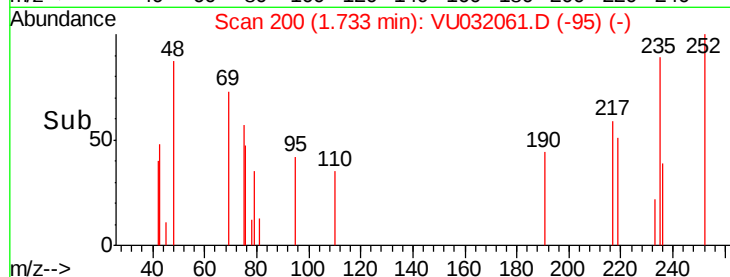


Abundance Ion 64.10 (63.80 to 64.80): VU032048.D (-179) (-)

Ion 66.05 (65.75 to 66.75): VU032048.D (-179) (-)

1.73

Time-->



#12

1,1-Dichloroethene

Concen: 0.147 ug/L

RT: 2.26 min Scan# 365

Delta R.T. -0.02 min

Lab File: VU032061.D

Acq: 16 May 2019 20:14

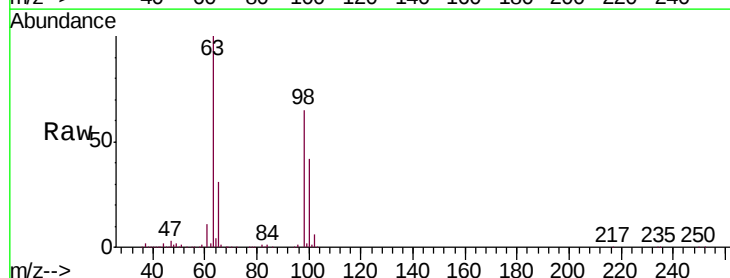
Tgt Ion: 96 Resp: 2537

Ion Ratio Lower Upper

96 100

61 1096.5 111.7 207.5#

63 10107.6 152.2 282.6#



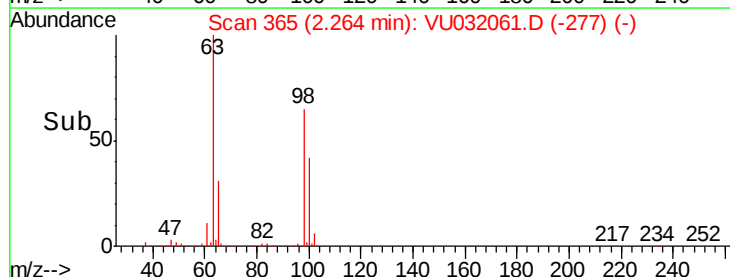
Abundance Ion 96.00 (95.70 to 96.70): VU032048.D (-357) (-)

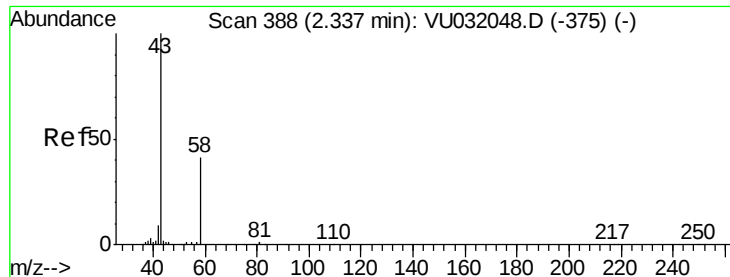
Ion 61.05 (60.75 to 61.75): VU032048.D (-357) (-)

Ion 63.00 (62.70 to 63.70): VU032048.D (-357) (-)

2.26

Time-->





#13

Acetone

Concen: 6.754 ug/L

RT: 2.33 min Scan# 387

Delta R.T. -0.00 min

Lab File: VU032061.D

Acq: 16 May 2019 20:14

Instrument :

MSVOA_U

ClientSampleId :

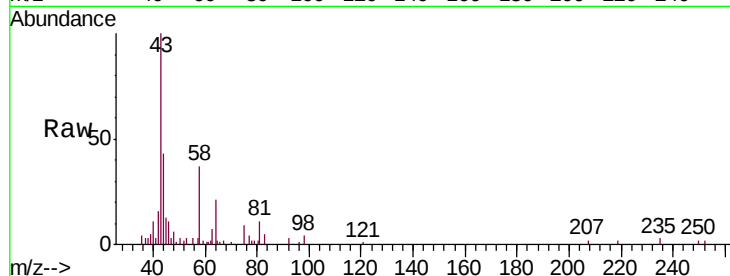
F9W03

Tgt Ion: 43 Resp: 15775

Ion Ratio Lower Upper

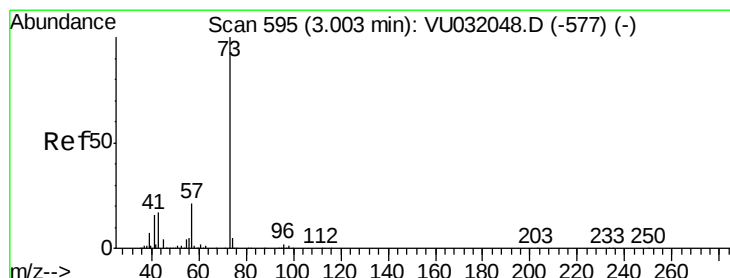
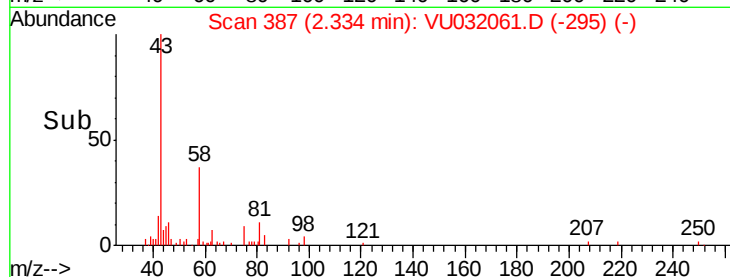
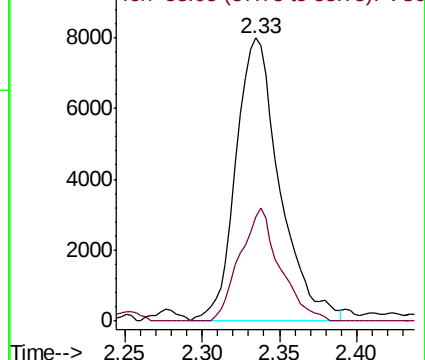
43 100

58 36.3 0.0 78.8



Abundance Ion 43.05 (42.75 to 43.75): VU032048.D (-375) (-)

Ion 58.05 (57.75 to 58.75): VU032048.D (-375) (-)



#17

Methyl tert-butyl Ether

Concen: 66.383 ug/L

RT: 3.00 min Scan# 594

Delta R.T. -0.00 min

Lab File: VU032061.D

Acq: 16 May 2019 20:14

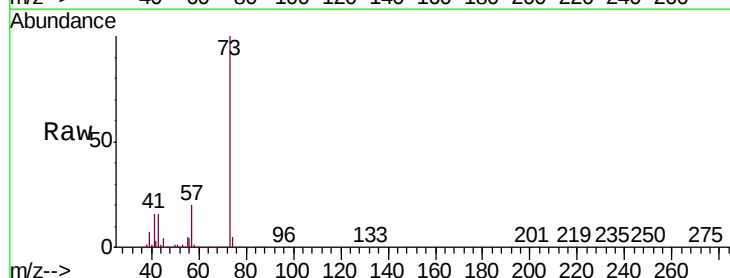
Tgt Ion: 73 Resp: 2696457

Ion Ratio Lower Upper

73 100

43 15.6 13.0 19.6

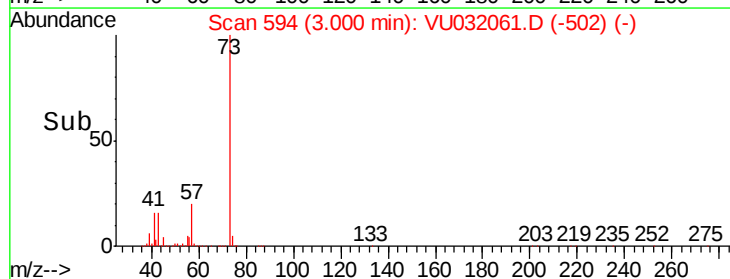
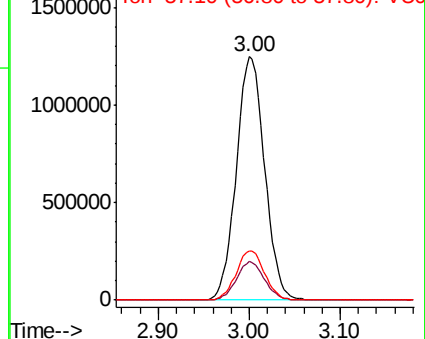
57 20.4 17.9 26.9

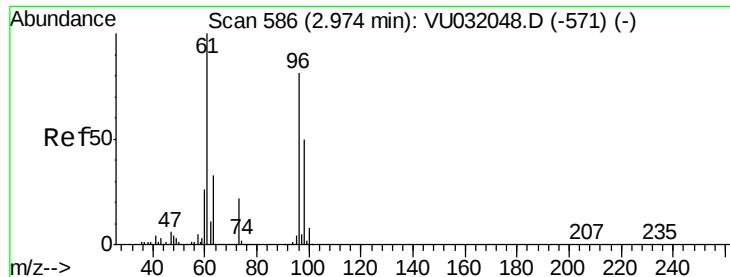


Abundance Ion 73.10 (72.80 to 73.80): VU032048.D (-577) (-)

Ion 43.05 (42.75 to 43.75): VU032048.D (-577) (-)

Ion 57.10 (56.80 to 57.80): VU032048.D (-577) (-)





#18

trans-1,2-Dichloroethene

Concen: 0.103 ug/L

RT: 2.97 min Scan# 585

Delta R.T. -0.00 min

Lab File: VU032061.D

Acq: 16 May 2019 20:14

Instrument :

MSVOA_U

ClientSampleId :

F9W03

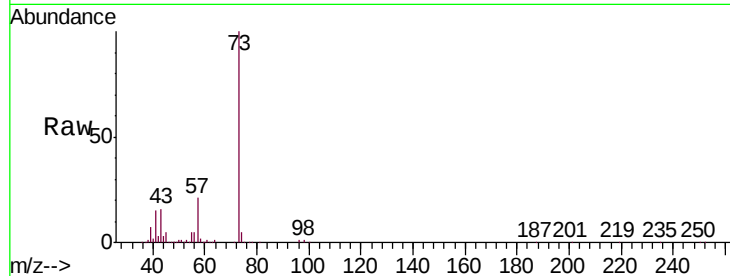
Tgt Ion: 96 Resp: 1913

Ion Ratio Lower Upper

96 100

61 107.5 86.5 160.7

98 80.4 43.5 80.9

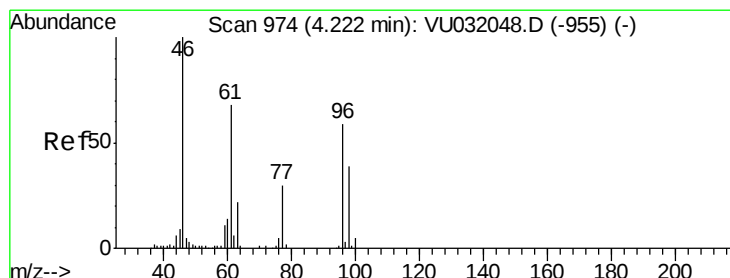
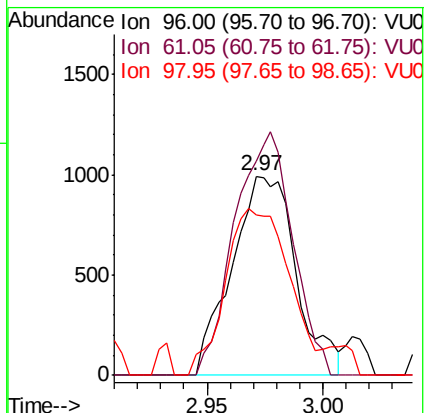
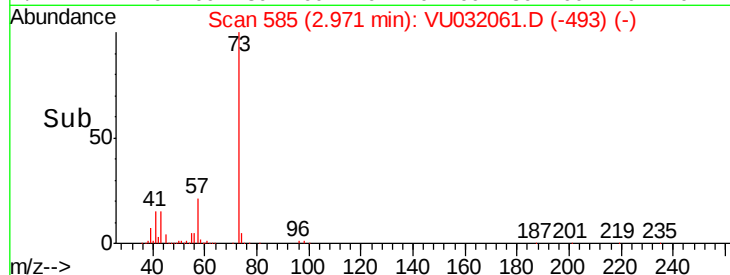


Abundance Ion 96.00 (95.70 to 96.70): VU032061.D (-493) (-)

Ion 61.05 (60.75 to 61.75): VU032061.D (-493) (-)

Ion 97.95 (97.65 to 98.65): VU032061.D (-493) (-)

Time-->



#22

cis-1,2-Dichloroethene

Concen: 0.425 ug/L

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU032061.D

Acq: 16 May 2019 20:14

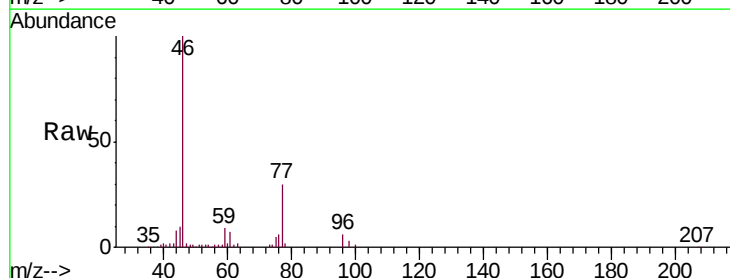
Tgt Ion: 96 Resp: 7726

Ion Ratio Lower Upper

96 100

61 117.2 85.8 159.4

68 0.0 0.0 0.0

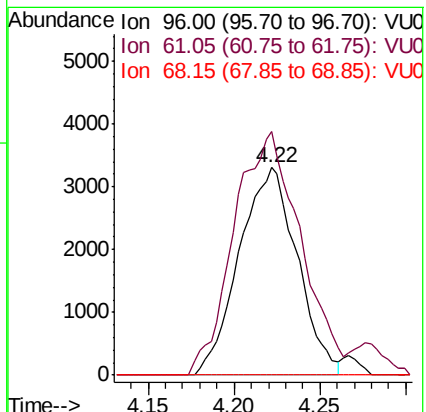
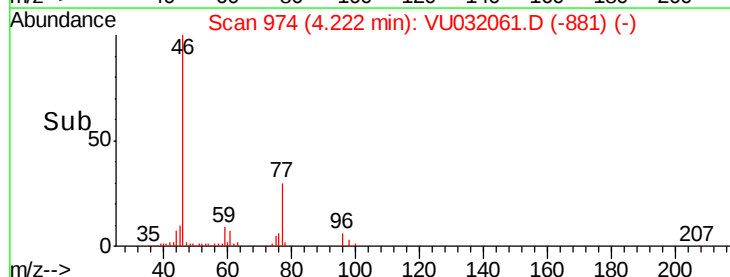


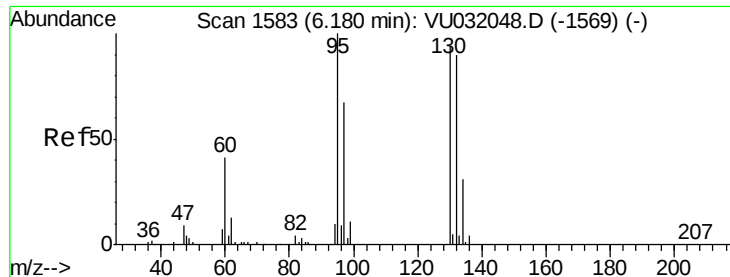
Abundance Ion 96.00 (95.70 to 96.70): VU032061.D (-881) (-)

Ion 61.05 (60.75 to 61.75): VU032061.D (-881) (-)

Ion 68.15 (67.85 to 68.85): VU032061.D (-881) (-)

Time-->





#34

Trichloroethene

Concen: 1.677 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU032061.D

Acq: 16 May 2019 20:14

Instrument :

MSVOA_U

ClientSampleId :

F9W03

Tgt Ion: 95 Resp: 28735

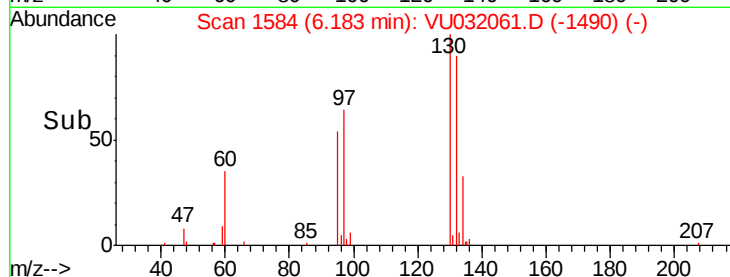
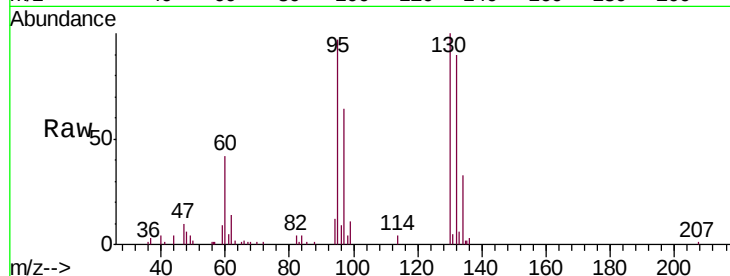
Ion Ratio Lower Upper

95 100

97 66.3 45.2 84.0

132 93.0 66.1 122.7

130 102.9 66.7 123.9

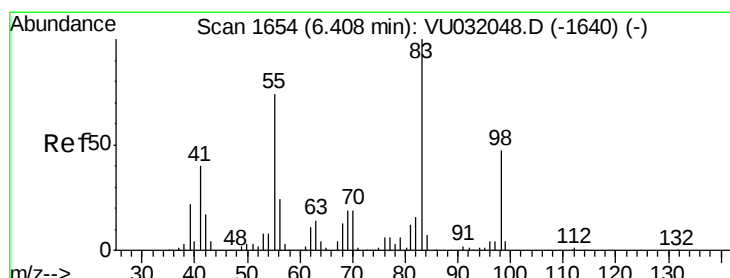
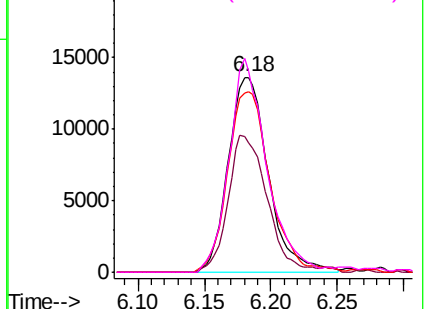


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 1.574 ug/L

RT: 6.33 min Scan# 1629

Delta R.T. -0.08 min

Lab File: VU032061.D

Acq: 16 May 2019 20:14

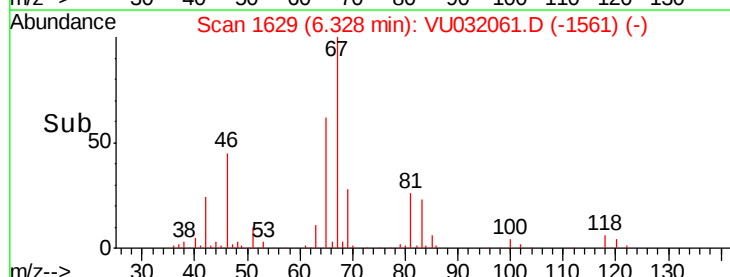
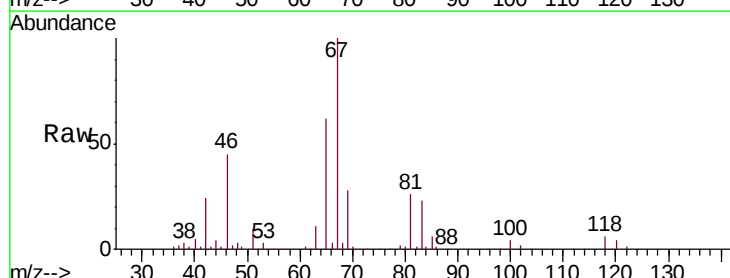
Tgt Ion: 83 Resp: 38820

Ion Ratio Lower Upper

83 100

55 1.2 59.7 89.5#

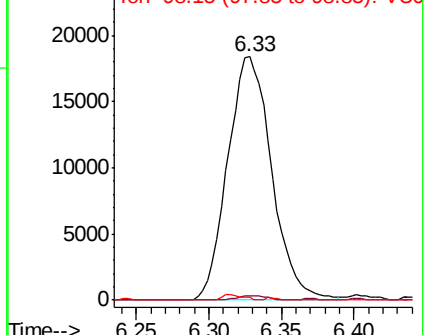
98 0.2 36.8 55.2#

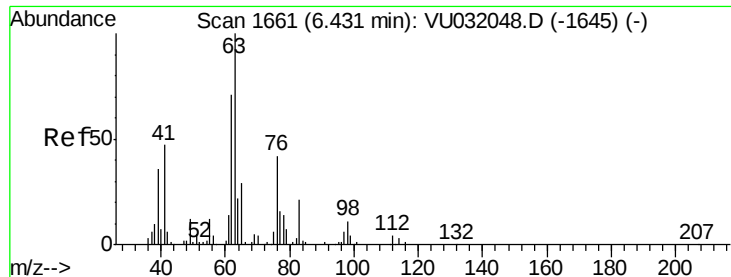


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

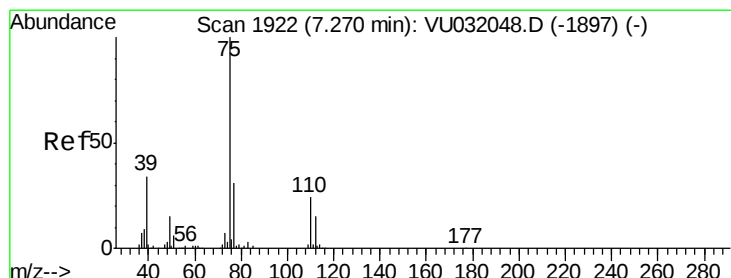
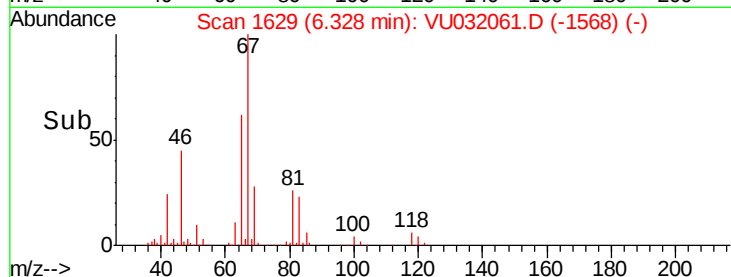
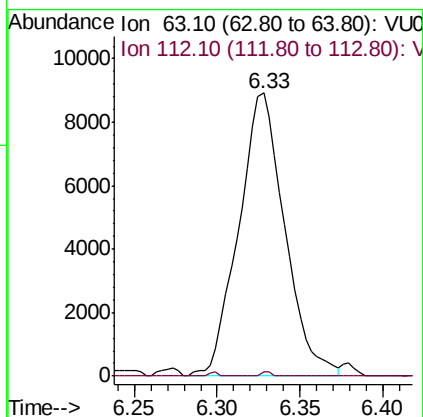
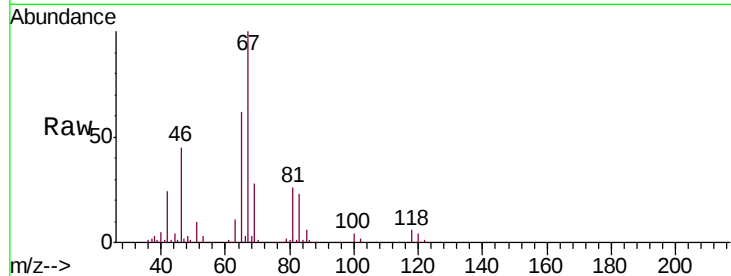




#37
 1,2-Dichloropropane
 Concen: 1.116 ug/L
 RT: 6.33 min Scan# 1629
 Delta R.T. -0.10 min
 Lab File: VU032061.D
 Acq: 16 May 2019 20:14

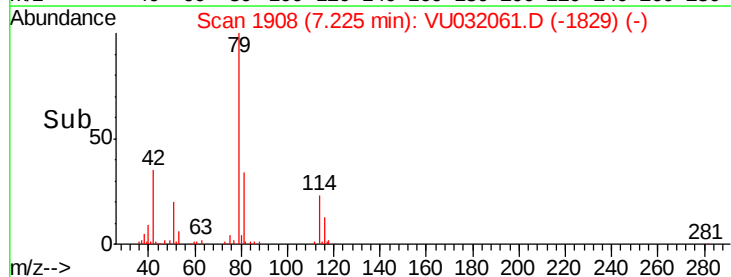
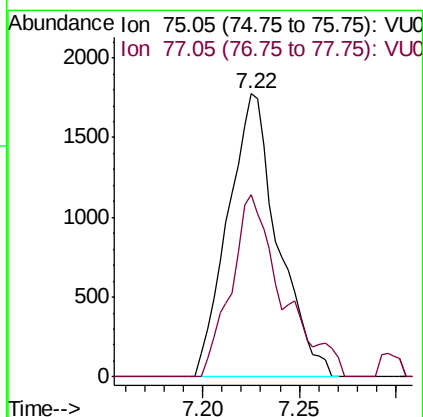
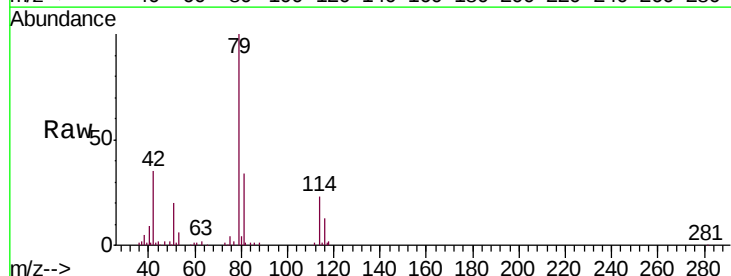
Instrument :
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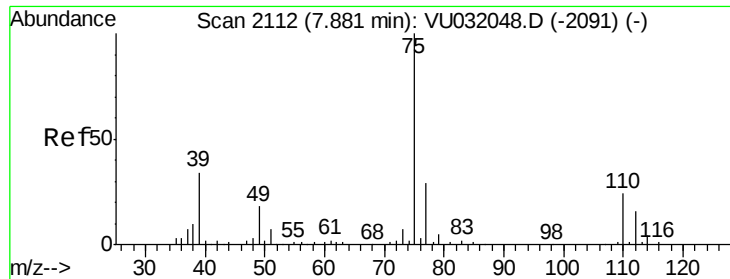
Tgt Ion: 63 Resp: 17229
 Ion Ratio Lower Upper
 63 100
 112 0.3 3.8 5.6#



#39
 cis-1,3-Dichloropropene
 Concen: 0.149 ug/L
 RT: 7.22 min Scan# 1908
 Delta R.T. -0.04 min
 Lab File: VU032061.D
 Acq: 16 May 2019 20:14

Tgt Ion: 75 Resp: 3187
 Ion Ratio Lower Upper
 75 100
 77 64.3 21.7 40.3#





#44

trans-1,3-Dichloropropene

Concen: 0.139 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU032061.D

Acq: 16 May 2019 20:14

Instrument :

MSVOA_U

ClientSampleId :

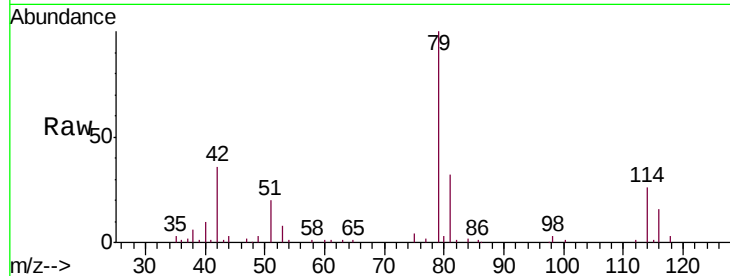
F9W03

Tgt Ion: 75 Resp: 2314

Ion Ratio Lower Upper

75 100

77 41.5 21.0 39.0#



Abundance Ion 75.05 (74.75 to 75.75): VU032048.D (-2091) (-)

Ion 77.05 (76.75 to 77.75): VU032048.D (-2091) (-)

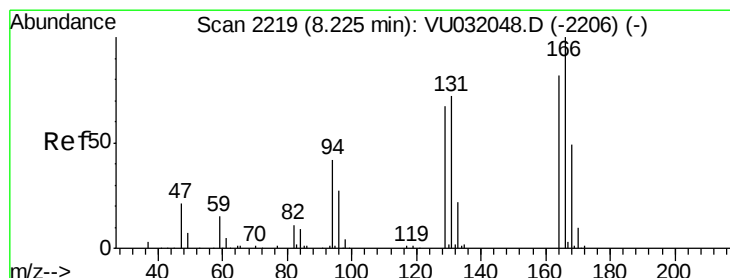
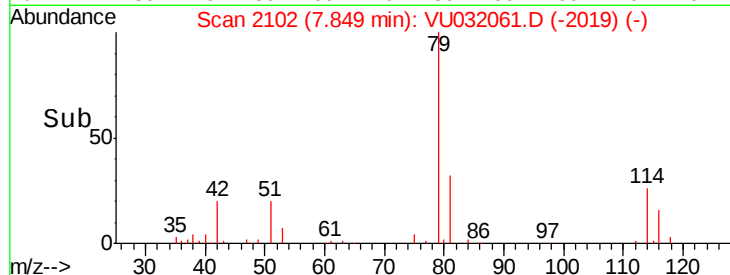
7.85

1000

500

0

Time-->



#47

Tetrachloroethene

Concen: 2.338 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU032061.D

Acq: 16 May 2019 20:14

Tgt Ion: 164 Resp: 29934

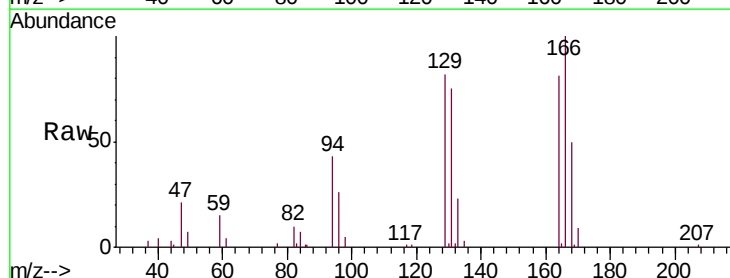
Ion Ratio Lower Upper

164 100

129 101.3 70.3 130.5

131 93.5 64.5 119.9

166 123.9 92.3 171.5



Abundance Ion 163.90 (163.60 to 164.60): VU032048.D (-2206) (-)

Ion 128.95 (128.65 to 129.65): VU032048.D (-2206) (-)

Ion 130.95 (130.65 to 131.65): VU032048.D (-2206) (-)

Ion 165.90 (165.60 to 166.60): VU032048.D (-2206) (-)

8.22

30000

25000

20000

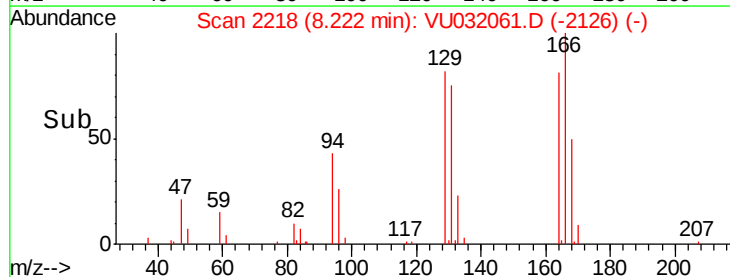
15000

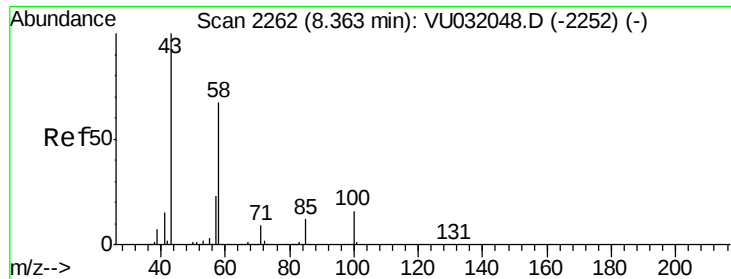
10000

5000

0

Time-->

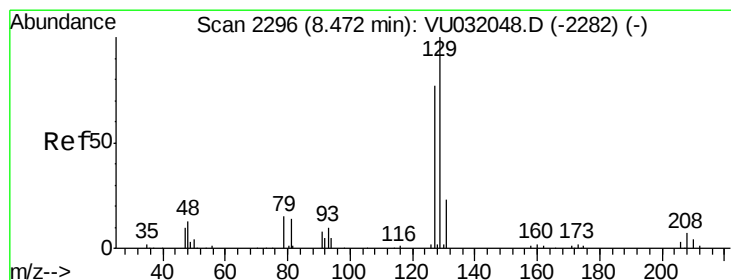
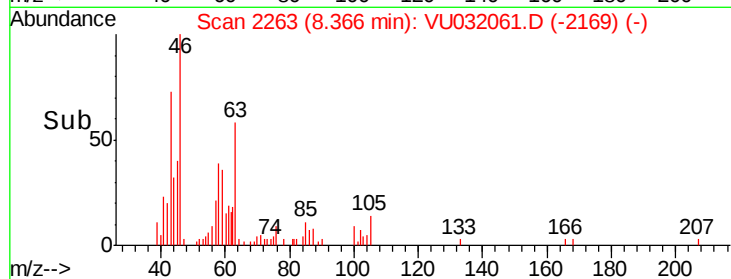
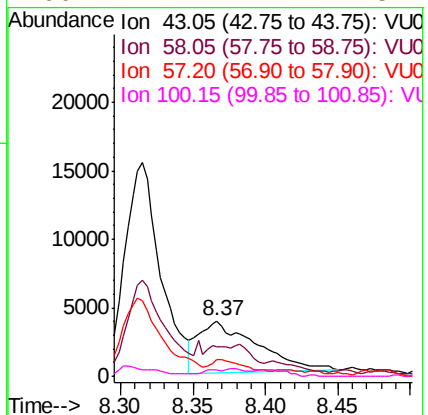
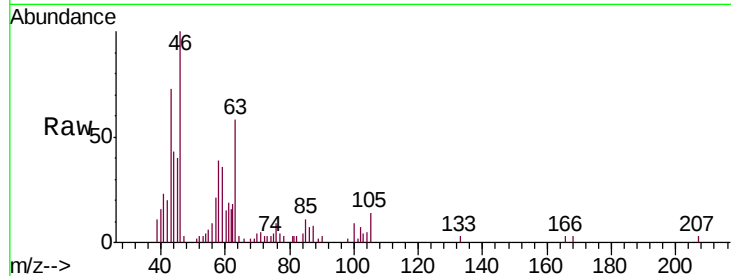




#48
2-Hexanone
Concen: 1.941 ug/L
RT: 8.37 min Scan# 2263
Delta R.T. 0.00 min
Lab File: VU032061.D
Acq: 16 May 2019 20:14

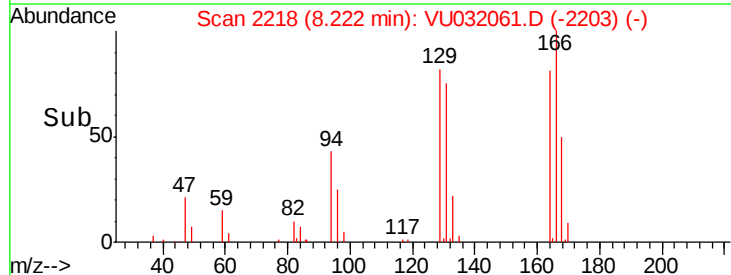
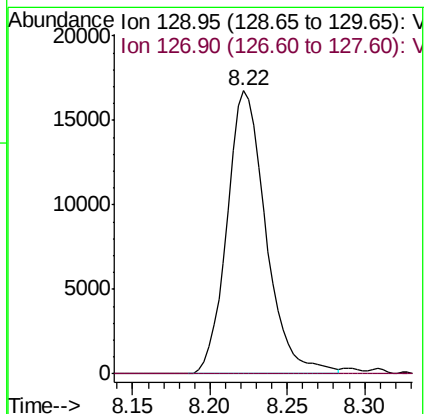
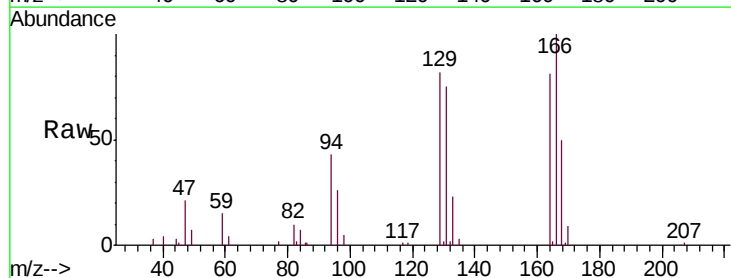
Instrument :
MSVOA_U
ClientSampleId :
F9W03

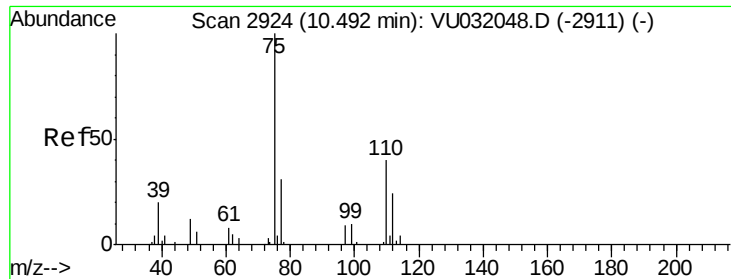
Tgt Ion: 43 Resp: 10779
Ion Ratio Lower Upper
43 100
58 0.0 51.6 77.4#
57 14.7 18.4 27.6#
100 4.2 12.2 18.4#



#49
Dibromochloromethane
Concen: 2.224 ug/L
RT: 8.22 min Scan# 2218
Delta R.T. -0.25 min
Lab File: VU032061.D
Acq: 16 May 2019 20:14

Tgt Ion: 129 Resp: 29230
Ion Ratio Lower Upper
129 100
127 0.0 55.2 102.6#





#59

1,2,3-Trichloropropane

Concen: 1.862 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU032061.D

Acq: 16 May 2019 20:14

Instrument :

MSVOA_U

ClientSampleId :

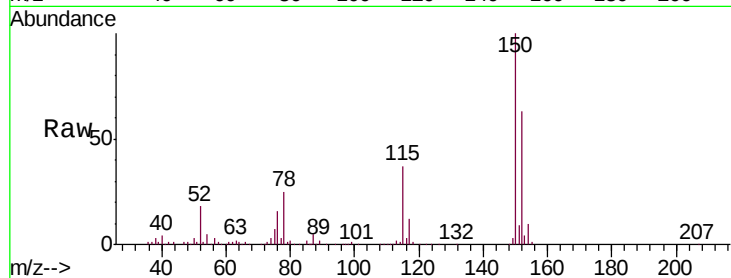
F9W03

Tgt Ion: 75 Resp: 18262

Ion Ratio Lower Upper

75 100

77 34.9 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

