

Data File : VU032160.D
Acq On : 20 May 2019 17:25
Operator : JC/SP
Sample : K2860-07RE
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F9W34

Quant Time: May 21 08:33:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue May 21 08:29:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	345197	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	354337	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	136673	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	104704	3.60	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.00%
7) Chloroethane-d5	1.68	69	90397	3.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	72.80%
11) 1,1-Dichloroethene-d2	2.27	63	151799	3.28	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.60%
20) 2-Butanone-d5	4.20	46	241986	42.39	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	84.78%
24) Chloroform-d	4.64	84	216827	4.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.80%
26) 1,2-Dichloroethane-d4	5.31	65	107588	4.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.60%
32) Benzene-d6	5.33	84	419681	3.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.60%
36) 1,2-Dichloropropane-d6	6.33	67	127127	4.02	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	80.40%
41) Toluene-d8	7.56	98	345574	3.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	72.60%
43) trans-1,3-Dichloropropene-	7.85	79	43000	3.78	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.60%
46) 2-Hexanone-d5	8.31	63	208824	40.66	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.32%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	112271	4.35	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.00%
64) 1,2-Dichlorobenzene-d4	11.86	152	134575	4.65	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.00%

Target Compounds

						Qvalue
3) Chloromethane	1.32	50	2836	0.171	ug/L #	76
12) 1,1-Dichloroethene	2.27	96	2129	0.154	ug/L #	1
13) Acetone	2.34	43	37838	20.190	ug/L	99
15) Methyl Acetate	2.34	43	27783	5.170	ug/L #	42
16) Methylene chloride	2.70	84	2453	0.148	ug/L	84
18) trans-1,2-Dichloroethene	2.98	96	2774	0.187	ug/L #	74
22) cis-1,2-Dichloroethene	4.23	96	5074	0.348	ug/L	80
23) Bromochloromethane	4.55	128	1404	0.224	ug/L #	81
25) Chloroform	4.67	83	46220	1.836	ug/L	99
34) Trichloroethene	6.19	95	15531	1.052	ug/L	89
35) Methylcyclohexane	6.32	83	31505	1.482	ug/L #	20
37) 1,2-Dichloropropane	6.33	63	13474	1.013	ug/L #	87
38) Bromodichloromethane	6.75	83	62287	3.661	ug/L #	95
39) cis-1,3-Dichloropropene	7.22	75	3132	0.170	ug/L #	65
44) trans-1,3-Dichloropropene	7.85	75	1533	0.107	ug/L	95
47) Tetrachloroethene	8.22	164	5450	0.494	ug/L	91
48) 2-Hexanone	8.37	43	10091	2.110	ug/L #	89

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052019\
Quantitation Report (Not Reviewed)

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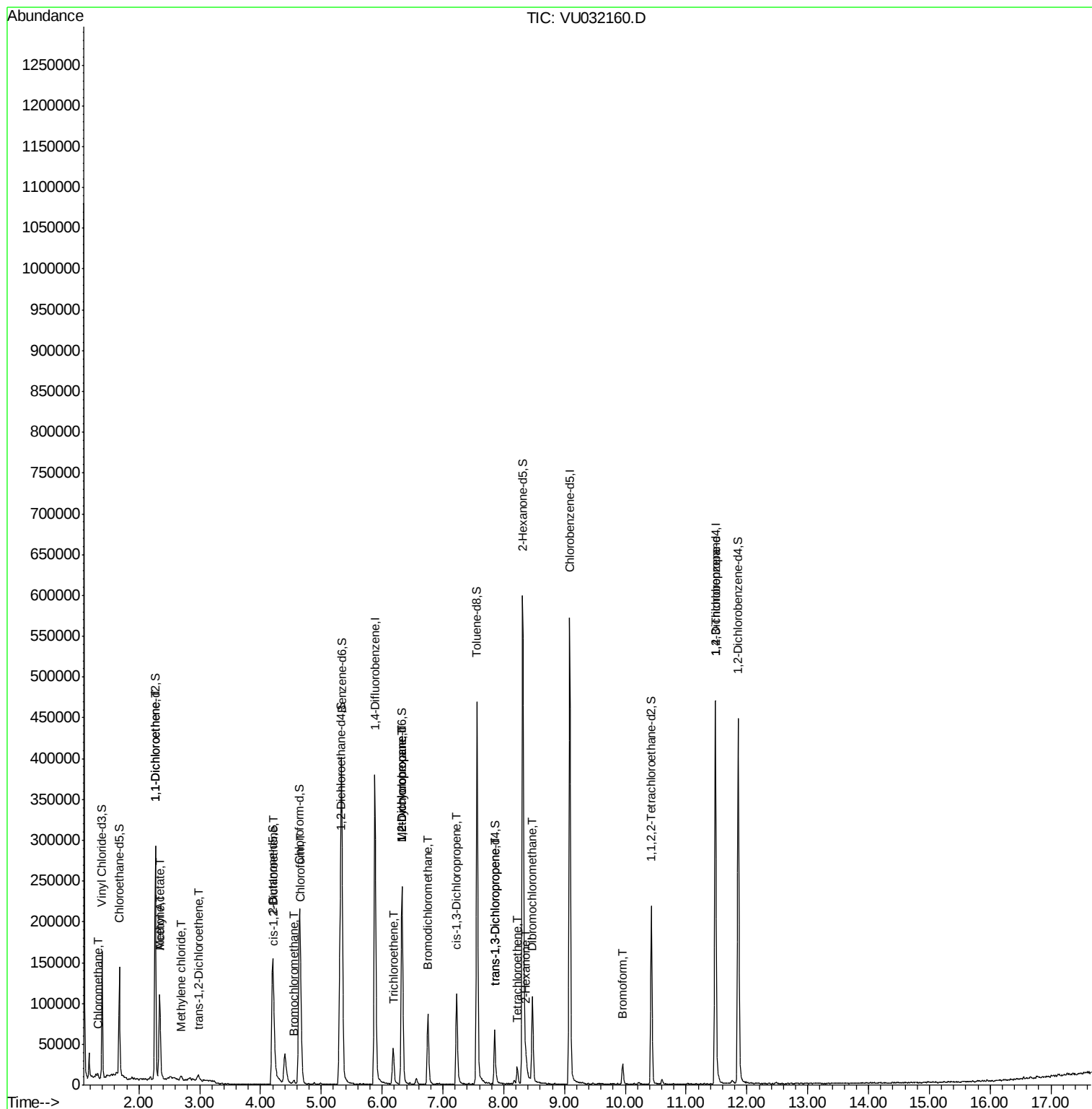
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	8.47	129	56188	4.961	ug/L	93
59) 1,2,3-Trichloropropane	11.48	75	14327	1.696	ug/L	94
61) Bromoform	9.96	173	11925	2.273	ug/L	99

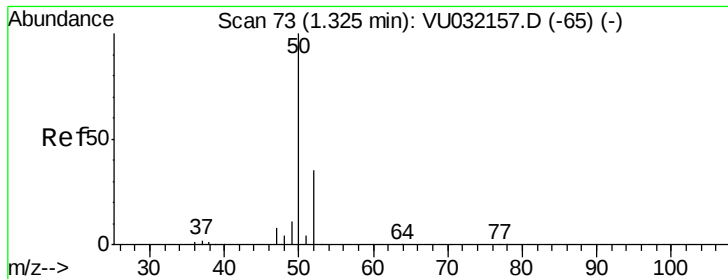
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue May 21 08:29:49 2019
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.171 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU032160.D

Acq: 20 May 2019 17:25

Instrument :

MSVOA_U

ClientSampled :

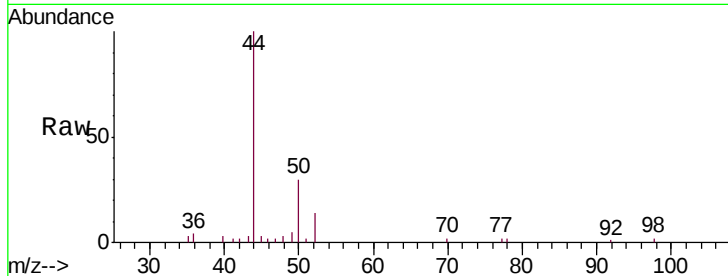
F9W34

Tgt Ion: 50 Resp: 2836

Ion Ratio Lower Upper

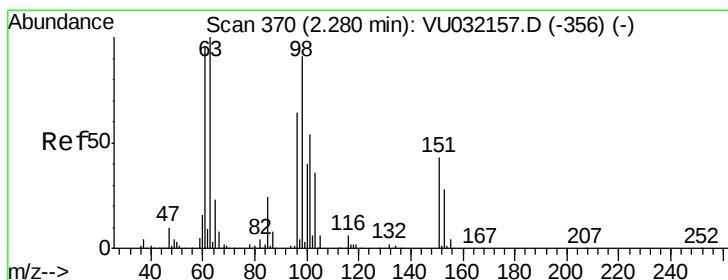
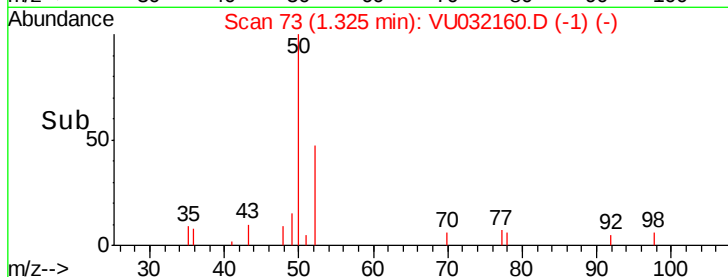
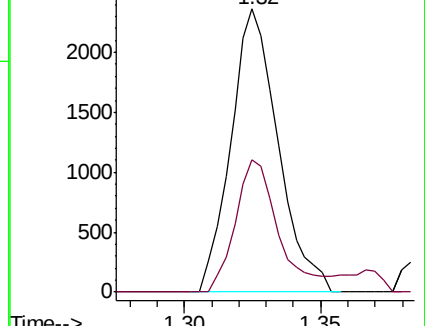
50 100

52 46.8 23.2 43.0#



Abundance Ion 50.05 (49.75 to 50.75): VU032157.D (-65) (-)

Ion 52.05 (51.75 to 52.75): VU032157.D (-65) (-)



#12

1,1-Dichloroethene

Concen: 0.154 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU032160.D

Acq: 20 May 2019 17:25

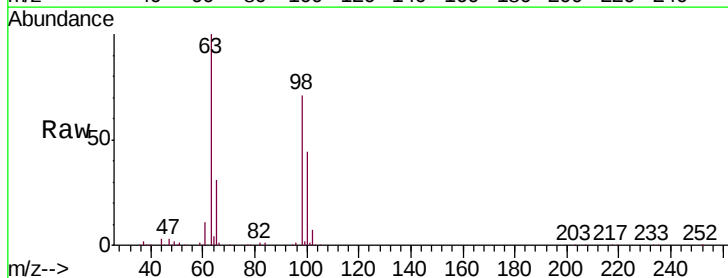
Tgt Ion: 96 Resp: 2129

Ion Ratio Lower Upper

96 100

61 994.8 111.7 207.5#

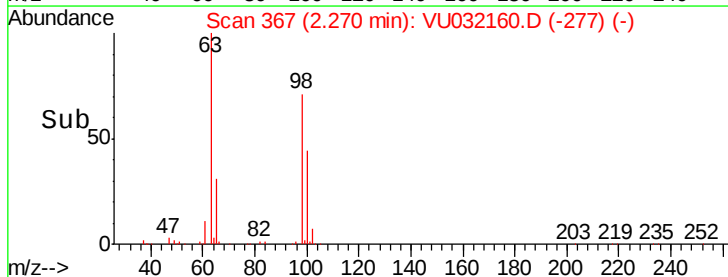
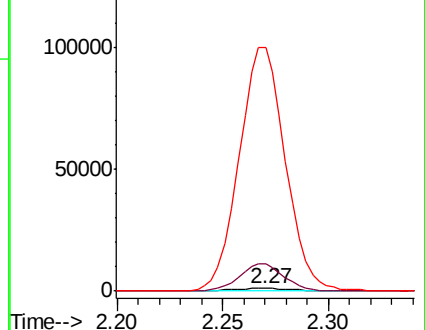
63 9046.6 152.2 282.6#

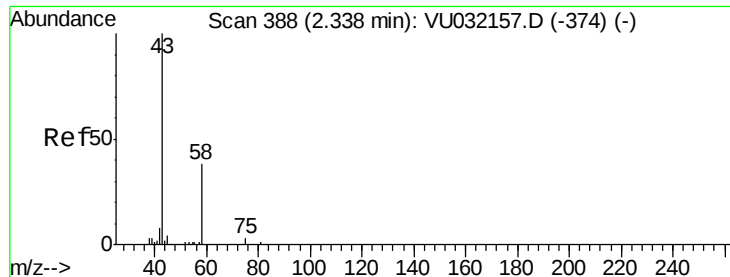


Abundance Ion 96.00 (95.70 to 96.70): VU032157.D (-356) (-)

Ion 61.05 (60.75 to 61.75): VU032157.D (-356) (-)

Ion 63.00 (62.70 to 63.70): VU032157.D (-356) (-)





#13

Acetone

Concen: 20.190 ug/L

RT: 2.34 min Scan# 388

Delta R.T. 0.00 min

Lab File: VU032160.D

Acq: 20 May 2019 17:25

Instrument :

MSVOA_U

ClientSampleId :

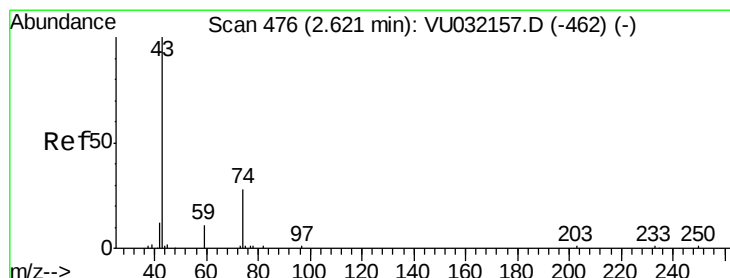
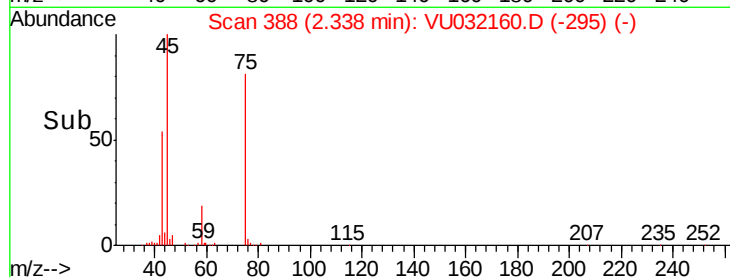
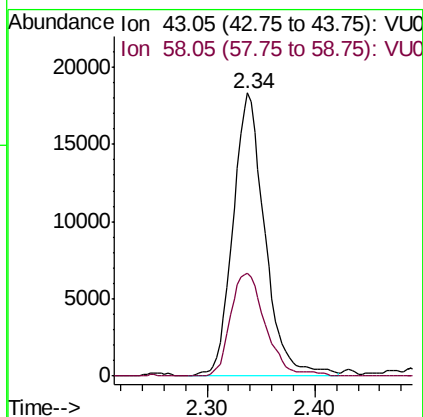
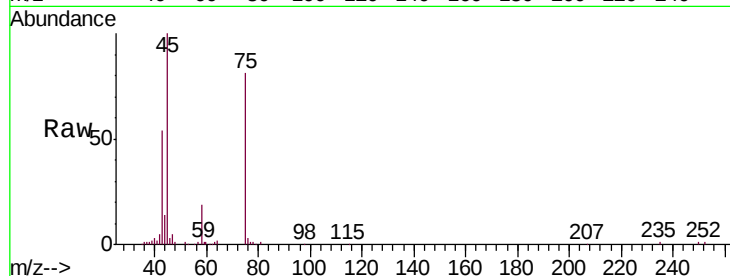
F9W34

Tgt Ion: 43 Resp: 37838

Ion Ratio Lower Upper

43 100

58 38.7 0.0 78.8



#15

Methyl Acetate

Concen: 5.170 ug/L

RT: 2.34 min Scan# 388

Delta R.T. -0.28 min

Lab File: VU032160.D

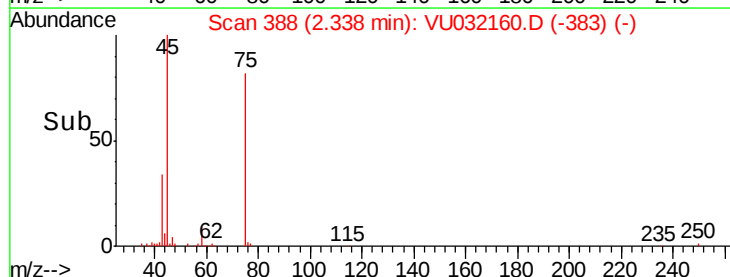
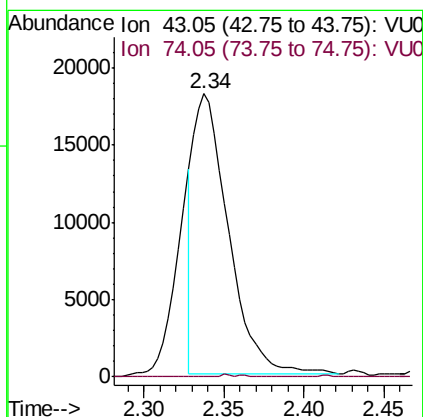
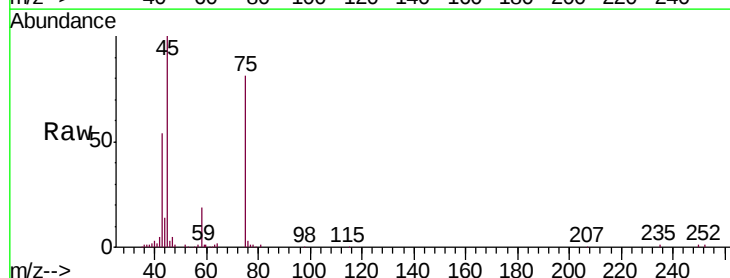
Acq: 20 May 2019 17:25

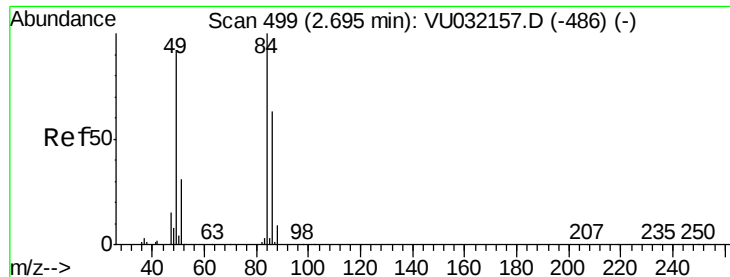
Tgt Ion: 43 Resp: 27783

Ion Ratio Lower Upper

43 100

74 0.2 26.4 39.6#

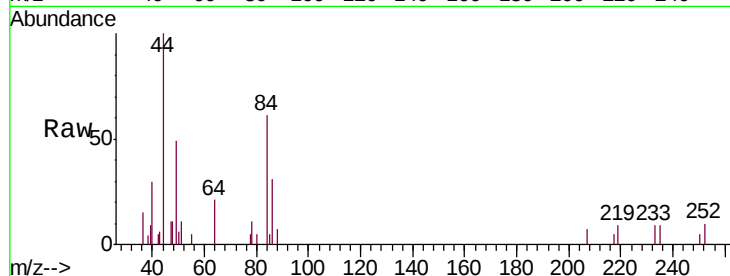




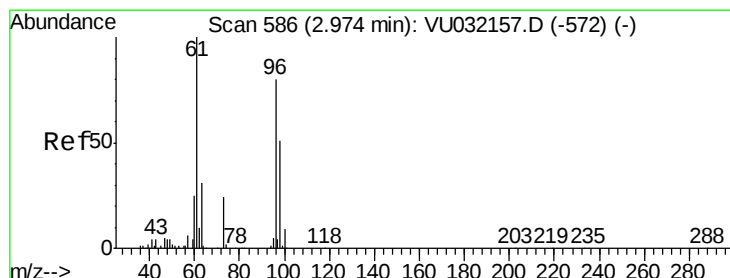
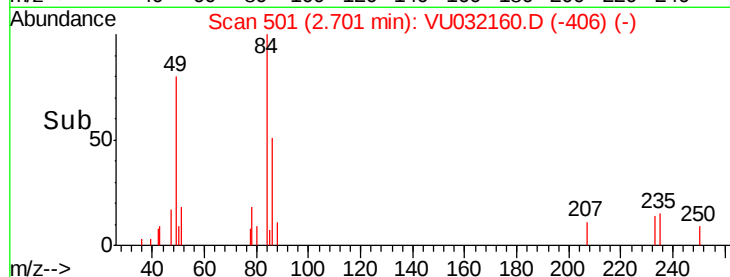
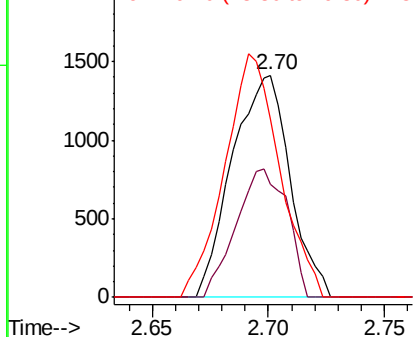
#16
Methylene chloride
Concen: 0.148 ug/L
RT: 2.70 min Scan# 501
Delta R.T. 0.01 min
Lab File: VU032160.D
Acq: 20 May 2019 17:25

Instrument :
MSVOA_U
ClientSampleId :
F9W34

Tgt Ion: 84 Resp: 2453
Ion Ratio Lower Upper
84 100
86 50.9 43.1 80.1
49 80.3 67.7 125.7

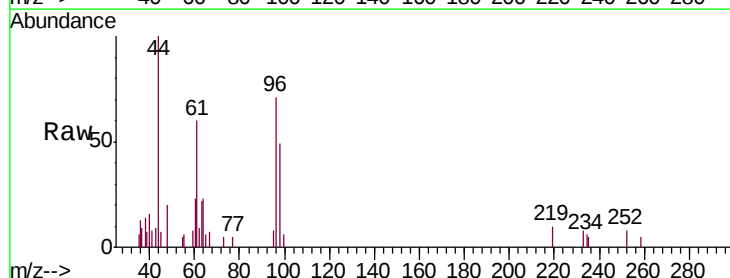


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

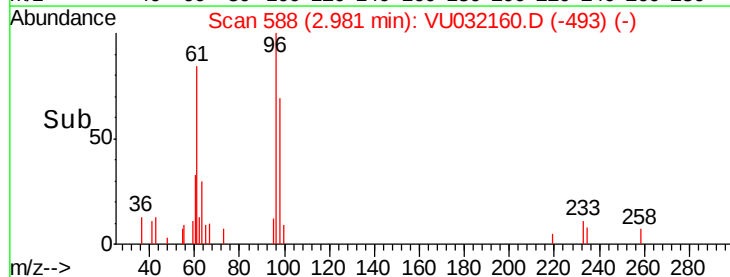
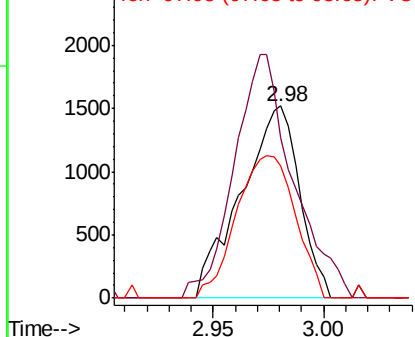


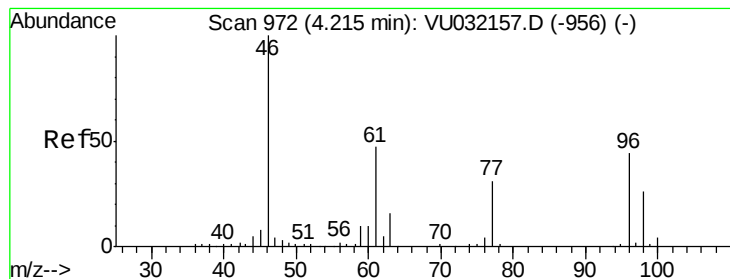
#18
trans-1,2-Dichloroethene
Concen: 0.187 ug/L
RT: 2.98 min Scan# 588
Delta R.T. 0.01 min
Lab File: VU032160.D
Acq: 20 May 2019 17:25

Tgt Ion: 96 Resp: 2774
Ion Ratio Lower Upper
96 100
61 83.7 86.5 160.7#
98 69.1 43.5 80.9



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



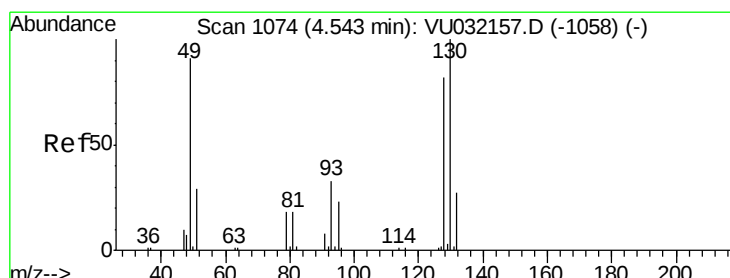
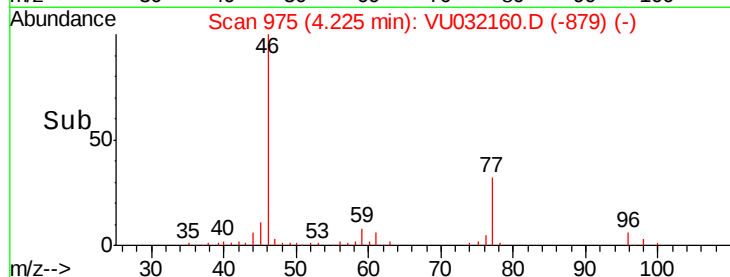
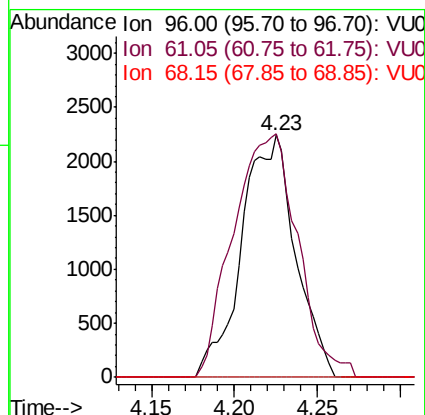
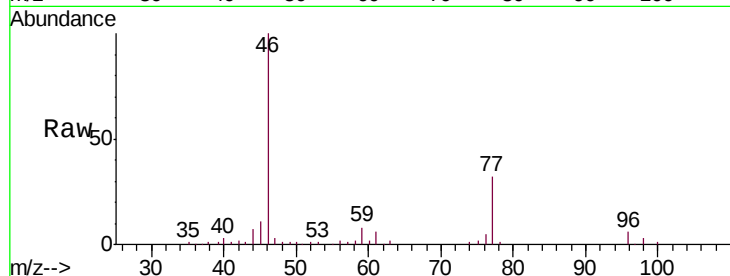


#22

cis-1,2-Dichloroethene
 Concen: 0.348 ug/L
 RT: 4.23 min Scan# 975
 Delta R.T. 0.01 min
 Lab File: VU032160.D
 Acq: 20 May 2019 17:25

Instrument :
 MSVOA_U
 ClientSampleId :
 F9W34

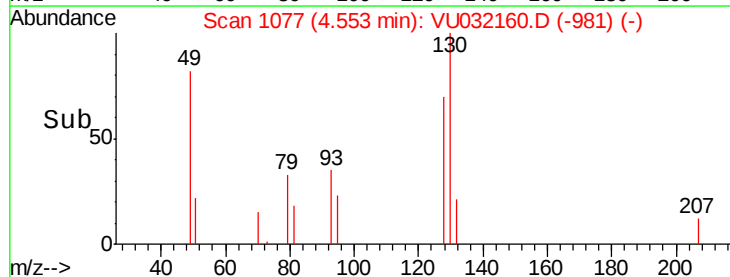
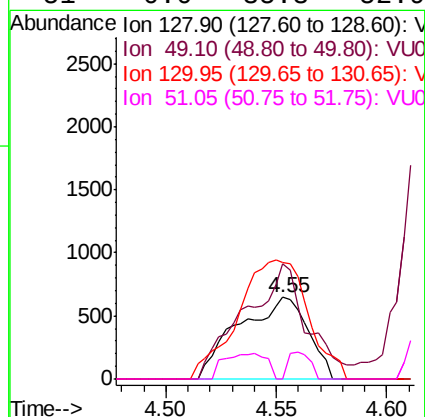
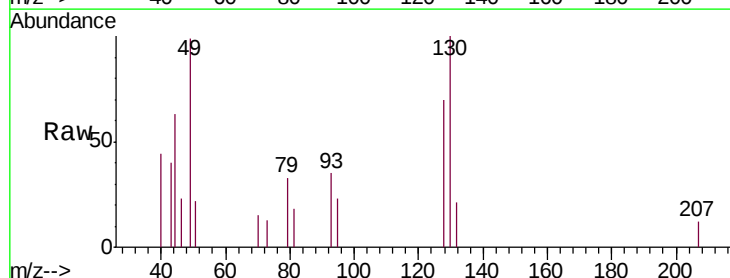
Tgt Ion: 96 Resp: 5074
 Ion Ratio Lower Upper
 96 100
 61 100.5 85.8 159.4
 68 0.0 0.0 0.0

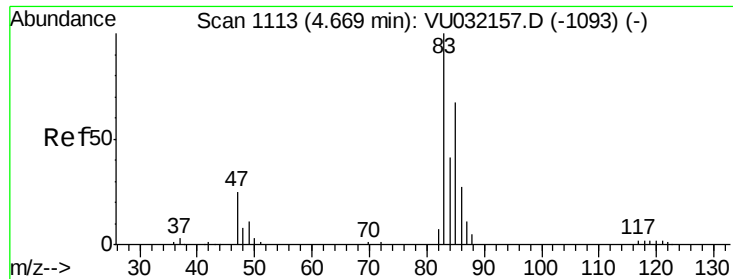


#23

Bromochloromethane
 Concen: 0.224 ug/L
 RT: 4.55 min Scan# 1077
 Delta R.T. 0.01 min
 Lab File: VU032160.D
 Acq: 20 May 2019 17:25

Tgt Ion: 128 Resp: 1404
 Ion Ratio Lower Upper
 128 100
 49 141.6 92.2 171.2
 130 143.2 90.3 167.7
 51 0.0 35.3 52.9#





#25

Chloroform

Concen: 1.836 ug/L

RT: 4.67 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VU032160.D

Acq: 20 May 2019 17:25

Instrument :

MSVOA_U

ClientSampleId :

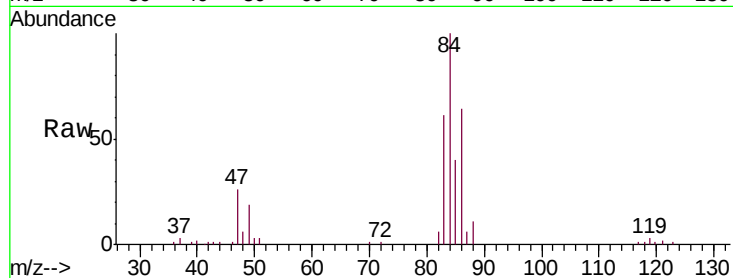
F9W34

Tgt Ion: 83 Resp: 46220

Ion Ratio Lower Upper

83 100

85 65.0 44.9 83.3



Abundance Ion 83.05 (82.75 to 83.75): VU032157.D (-1093) (-)

Ion 85.00 (84.70 to 85.70): VU032157.D (-1093) (-)

4.67

20000

15000

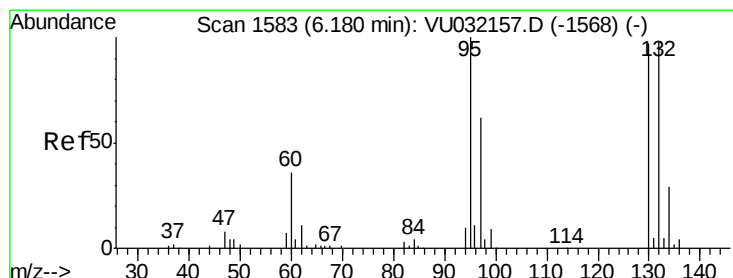
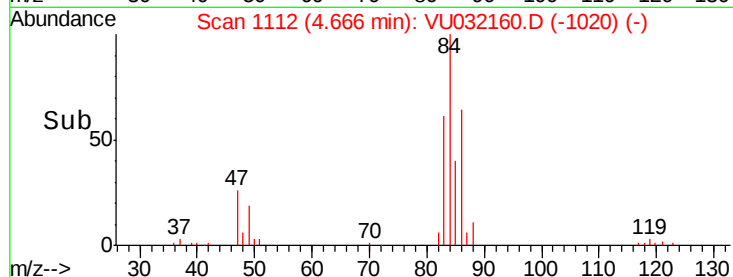
10000

5000

0

4.60 4.65 4.70 4.75

Time-->



#34

Trichloroethene

Concen: 1.052 ug/L

RT: 6.19 min Scan# 1585

Delta R.T. 0.01 min

Lab File: VU032160.D

Acq: 20 May 2019 17:25

Tgt Ion: 95 Resp: 15531

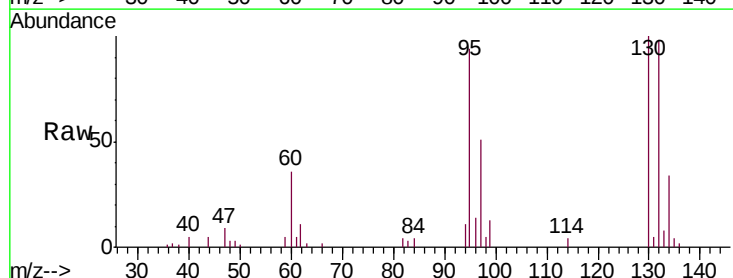
Ion Ratio Lower Upper

95 100

97 54.2 45.2 84.0

132 104.3 66.1 122.7

130 105.9 66.7 123.9



Abundance Ion 95.00 (94.70 to 95.70): VU032157.D (-1568) (-)

Ion 96.95 (96.65 to 97.65): VU032157.D (-1568) (-)

Ion 131.95 (131.65 to 132.65): VU032157.D (-1568) (-)

Ion 129.95 (129.65 to 130.65): VU032157.D (-1568) (-)

6.19

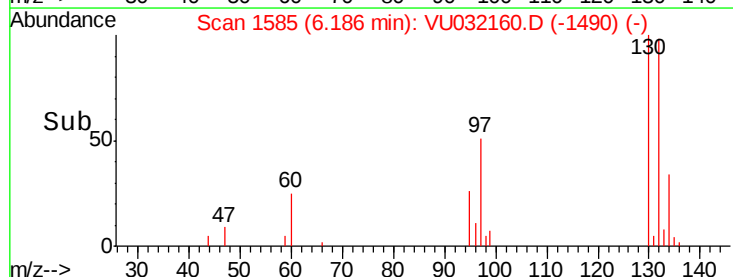
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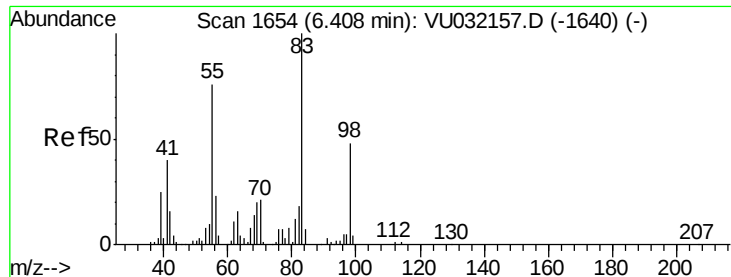
5000

0

6.10 6.15 6.20 6.25

Time-->

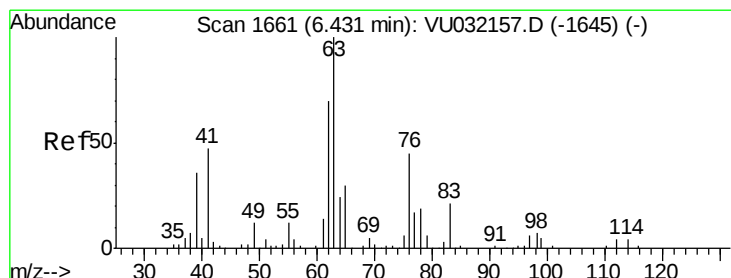
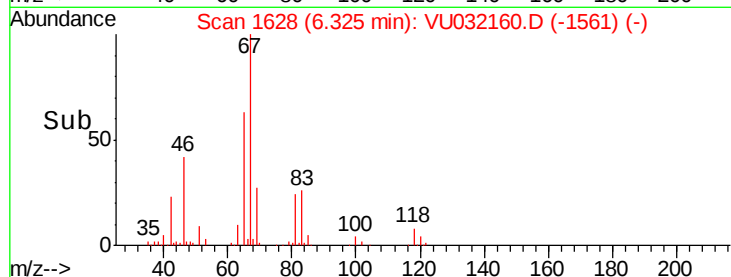
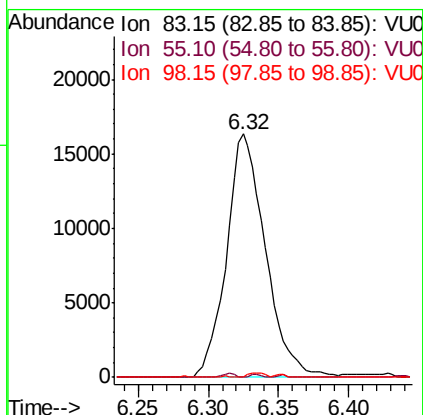
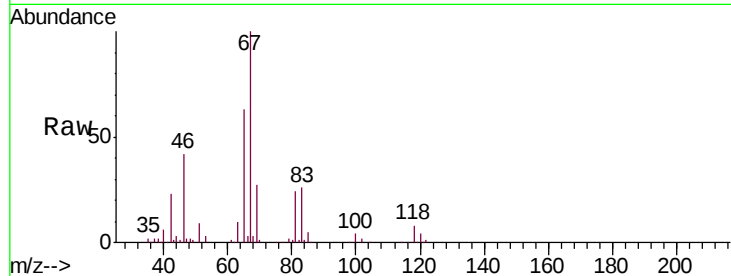




#35
Methylcyclohexane
Concen: 1.482 ug/L
RT: 6.32 min Scan# 1628
Delta R.T. -0.08 min
Lab File: VU032160.D
Acq: 20 May 2019 17:25

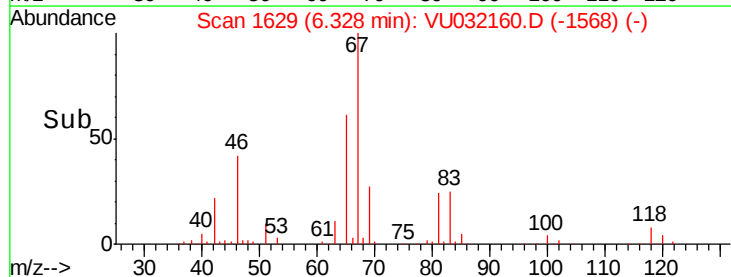
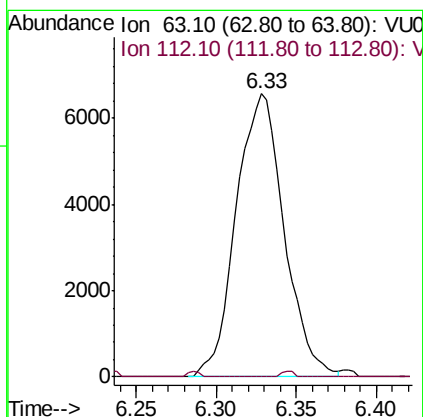
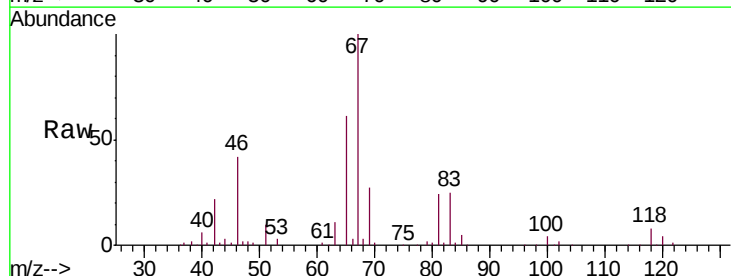
Instrument :
MSVOA_U
ClientSampleId :
F9W34

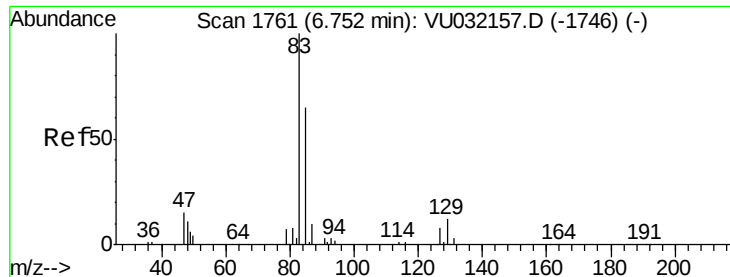
Tgt Ion: 83 Resp: 31505
Ion Ratio Lower Upper
83 100
55 0.3 59.7 89.5#
98 0.8 36.8 55.2#



#37
1,2-Dichloropropane
Concen: 1.013 ug/L
RT: 6.33 min Scan# 1629
Delta R.T. -0.10 min
Lab File: VU032160.D
Acq: 20 May 2019 17:25

Tgt Ion: 63 Resp: 13474
Ion Ratio Lower Upper
63 100
112 0.6 3.8 5.6#





#38

Bromodichloromethane

Concen: 3.661 ug/L

RT: 6.75 min Scan# 1761

Delta R.T. 0.00 min

Lab File: VU032160.D

Acq: 20 May 2019 17:25

Instrument :

MSVOA_U

ClientSampleId :

F9W34

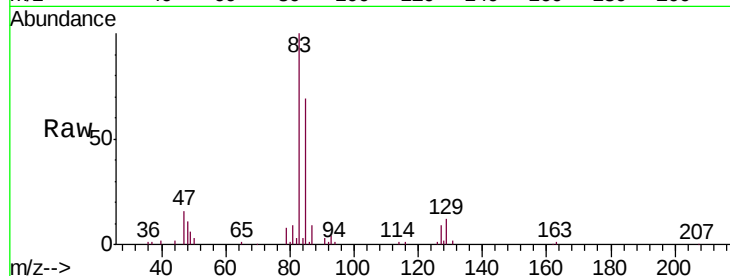
Tgt Ion: 83 Resp: 62287

Ion Ratio Lower Upper

83 100

85 68.6 45.5 84.5

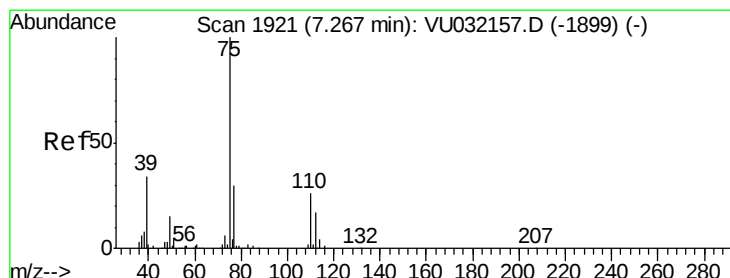
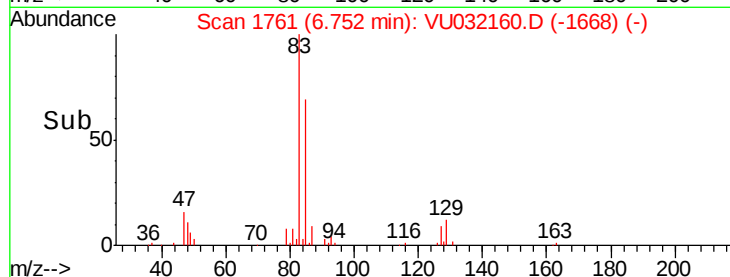
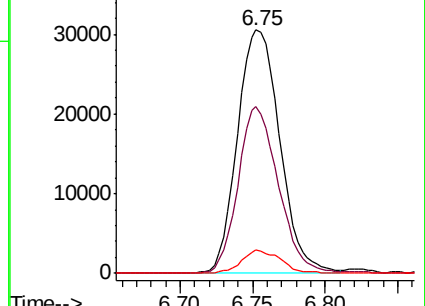
127 9.5 6.3 9.5#



Abundance Ion 82.95 (82.65 to 83.65): VU032157.D (-1746) (-)

Ion 85.00 (84.70 to 85.70): VU032157.D (-1746) (-)

Ion 126.90 (126.60 to 127.60): VU032157.D (-1746) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.170 ug/L

RT: 7.22 min Scan# 1908

Delta R.T. -0.04 min

Lab File: VU032160.D

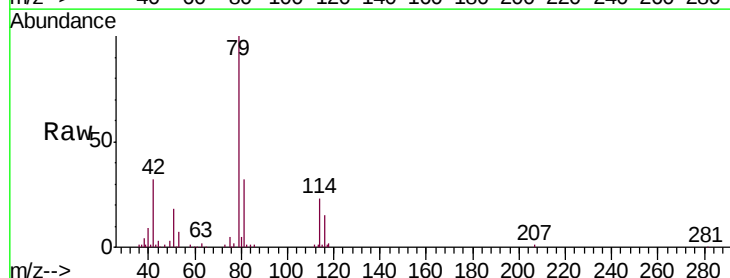
Acq: 20 May 2019 17:25

Tgt Ion: 75 Resp: 3132

Ion Ratio Lower Upper

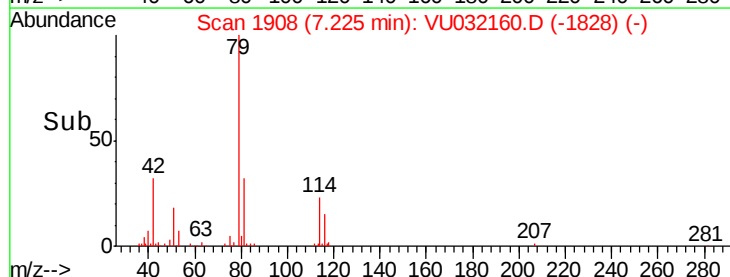
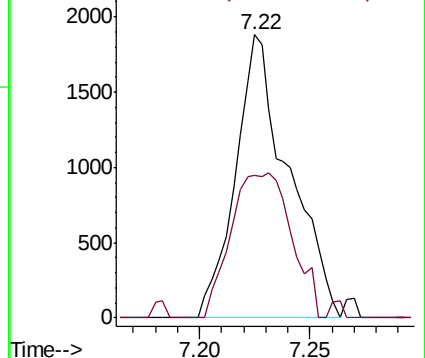
75 100

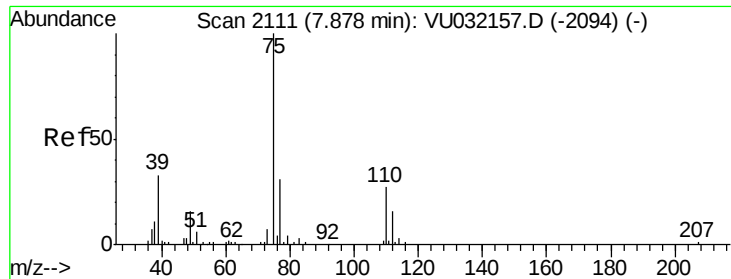
77 50.2 21.7 40.3#



Abundance Ion 75.05 (74.75 to 75.75): VU032157.D (-1899) (-)

Ion 77.05 (76.75 to 77.75): VU032157.D (-1899) (-)





#44

trans-1,3-Dichloropropene

Concen: 0.107 ug/L

RT: 7.85 min Scan# 2103

Delta R.T. -0.03 min

Lab File: VU032160.D

Acq: 20 May 2019 17:25

Instrument :

MSVOA_U

ClientSampleId :

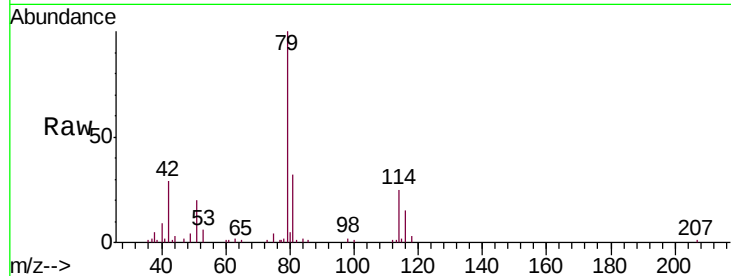
F9W34

Tgt Ion: 75 Resp: 1533

Ion Ratio Lower Upper

75 100

77 32.8 21.0 39.0



Abundance Ion 75.05 (74.75 to 75.75): VU032157.D (-2094) (-)

Ion 77.05 (76.75 to 77.75): VU032157.D (-2094) (-)

7.85

1000

800

600

400

200

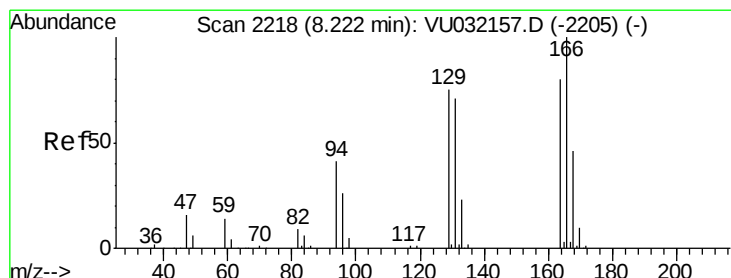
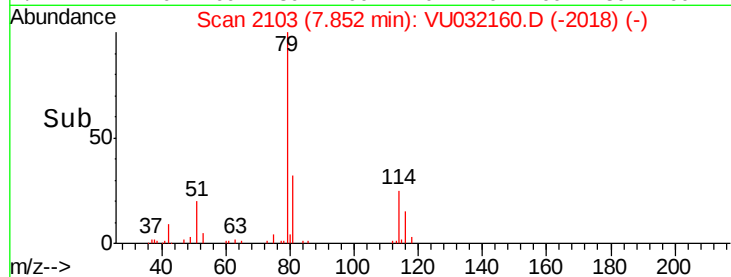
0

7.80

7.85

7.90

Time-->



#47

Tetrachloroethene

Concen: 0.494 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU032160.D

Acq: 20 May 2019 17:25

Tgt Ion: 164 Resp: 5450

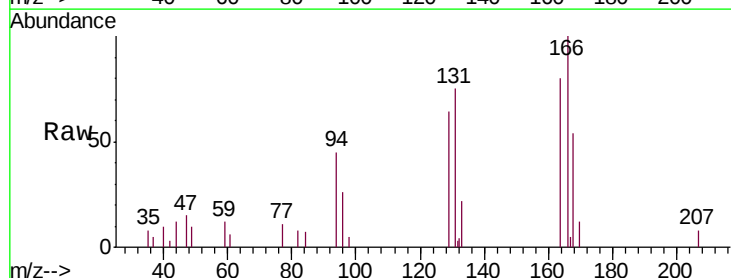
Ion Ratio Lower Upper

164 100

129 80.4 70.3 130.5

131 93.9 64.5 119.9

166 125.0 92.3 171.5



Abundance Ion 163.90 (163.60 to 164.60): VU032157.D (-2205) (-)

Ion 128.95 (128.65 to 129.65): VU032157.D (-2205) (-)

Ion 130.95 (130.65 to 131.65): VU032157.D (-2205) (-)

Ion 165.90 (165.60 to 166.60): VU032157.D (-2205) (-)

6000

5000

4000

3000

2000

1000

0

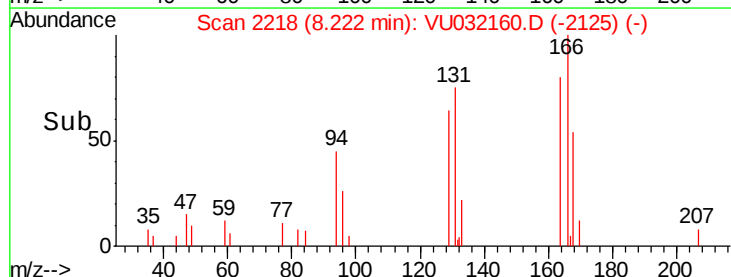
8.15

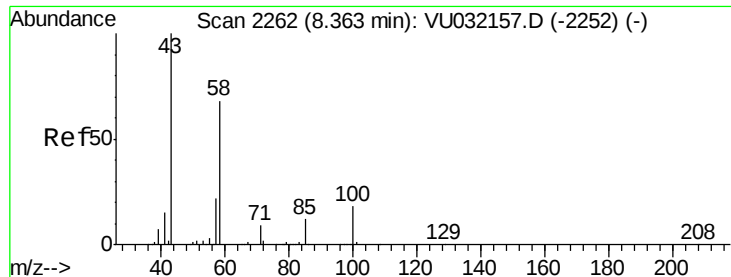
8.20

8.25

8.30

Time-->

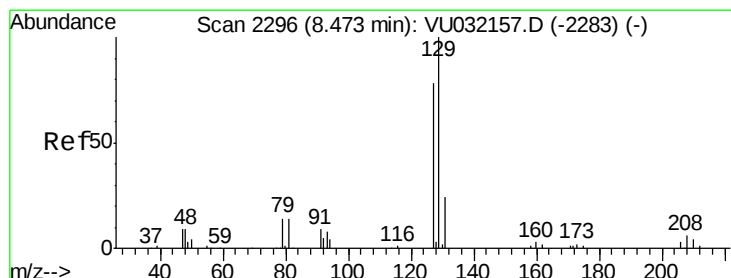
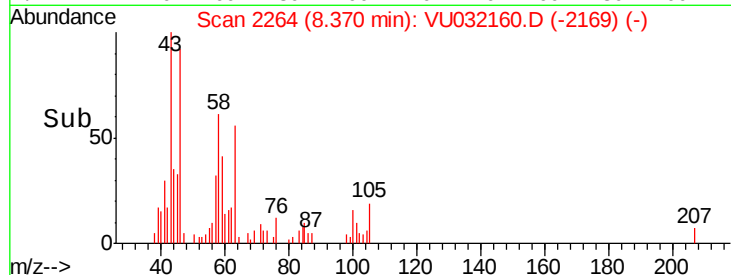
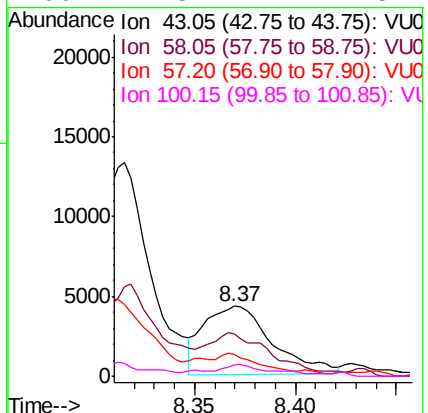
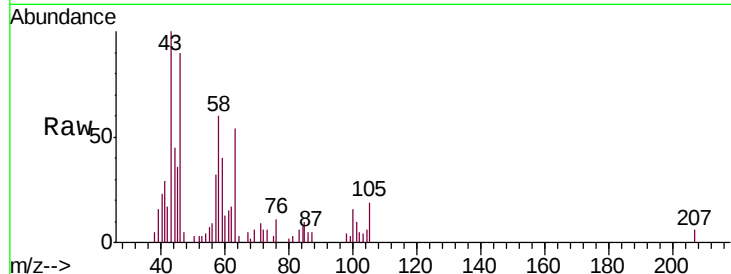




#48
2-Hexanone
Concen: 2.110 ug/L
RT: 8.37 min Scan# 2264
Delta R.T. 0.01 min
Lab File: VU032160.D
Acq: 20 May 2019 17:25

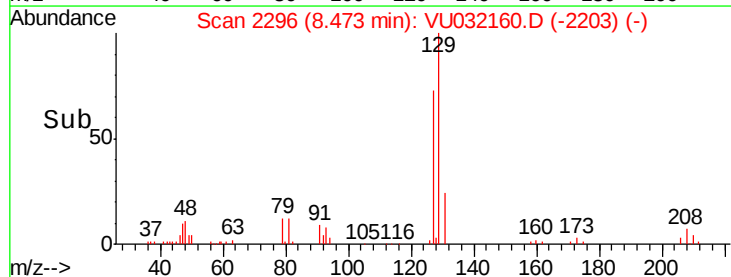
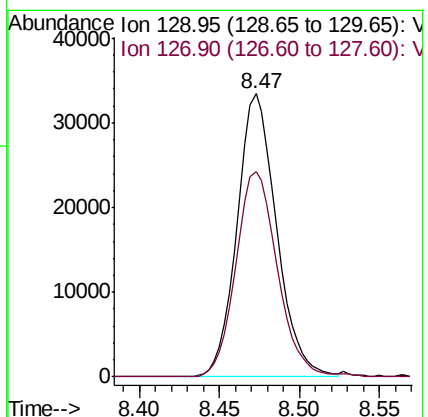
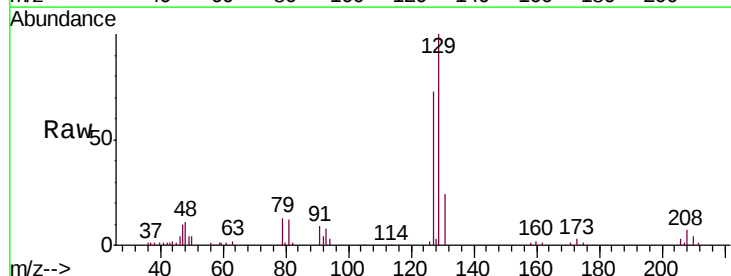
Instrument :
MSVOA_U
ClientSampleId :
F9W34

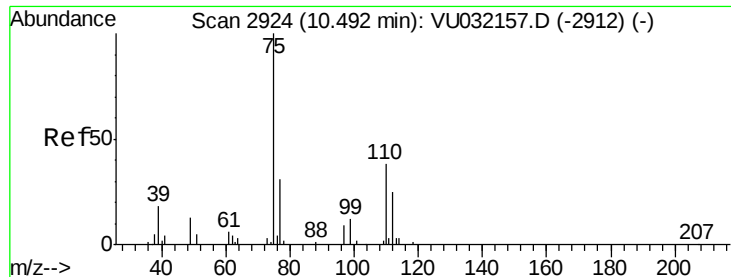
Tgt Ion: 43 Resp: 10091
Ion Ratio Lower Upper
43 100
58 60.3 51.6 77.4
57 13.7 18.4 27.6#
100 4.8 12.2 18.4#



#49
Dibromochloromethane
Concen: 4.961 ug/L
RT: 8.47 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VU032160.D
Acq: 20 May 2019 17:25

Tgt Ion: 129 Resp: 56188
Ion Ratio Lower Upper
129 100
127 72.6 55.2 102.6

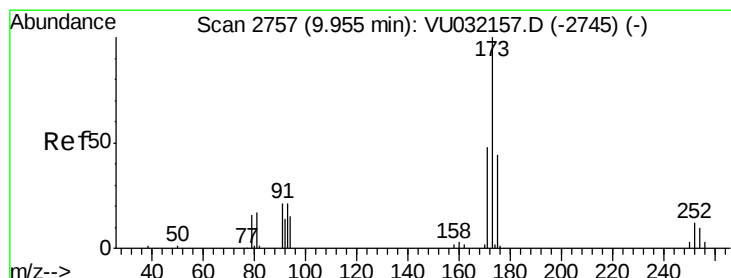
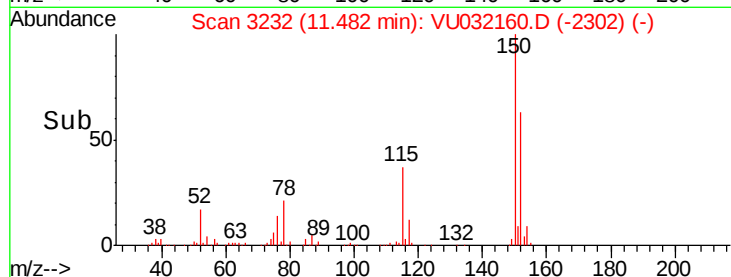
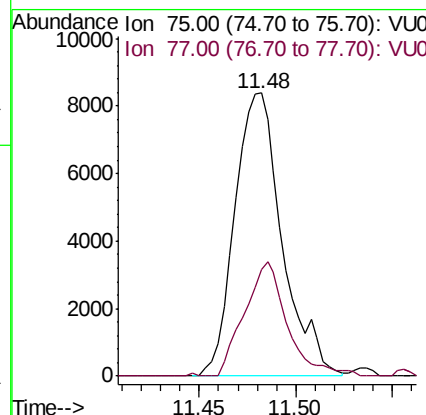
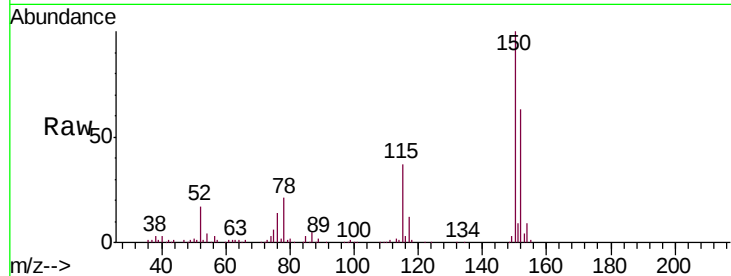




#59
 1,2,3-Trichloropropane
 Concen: 1.696 ug/L
 RT: 11.48 min Scan# 3232
 Delta R.T. 0.99 min
 Lab File: VU032160.D
 Acq: 20 May 2019 17:25

Instrument :
 MSVOA_U
 ClientSampleId :
 F9W34

Tgt Ion: 75 Resp: 14327
 Ion Ratio Lower Upper
 75 100
 77 36.4 26.2 39.2



#61
 Bromoform
 Concen: 2.273 ug/L
 RT: 9.96 min Scan# 2758
 Delta R.T. 0.00 min
 Lab File: VU032160.D
 Acq: 20 May 2019 17:25

Tgt Ion: 173 Resp: 11925
 Ion Ratio Lower Upper
 173 100
 175 48.5 38.0 57.0
 254 9.4 7.8 11.6

