

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101620\
 Data File : VU040750.D
 Acq On : 16 Oct 2020 15:33
 Operator : SY/MD
 Sample : L4419-14
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AJ4

Quant Time: Oct 16 23:42:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 16 23:38:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	112322	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	116247	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	49039	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	38641	4.15	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.00%
7) Chloroethane-d5	1.92	69	35916	5.00	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.00%
11) 1,1-Dichloroethene-d2	2.58	63	63562	3.49	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.80%
20) 2-Butanone-d5	4.66	46	161133	54.10	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.20%
24) Chloroform-d	5.08	84	86936	5.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.40%
26) 1,2-Dichloroethane-d4	5.72	65	53236	5.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.00%
32) Benzene-d6	5.75	84	152837	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
36) 1,2-Dichloropropane-d6	6.70	67	54331	5.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.40%
41) Toluene-d8	7.91	98	120214	4.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.60%
43) trans-1,3-Dichloropropene-	8.19	79	18315	4.15	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.00%
46) 2-Hexanone-d5	8.64	63	106908	47.05	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.10%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	47345	5.07	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	49500	5.44	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.80%

Target Compounds

					Ovalue
3) Chloromethane	1.53	50	633	0.067 ug/L #	73
8) Chloroethane	1.94	64	207	0.032 ug/L #	41
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	504	0.054 ug/L #	20
12) 1,1-Dichloroethene	2.59	96	2726	0.340 ug/L #	1
13) Acetone	2.67	43	1743	0.755 ug/L	61
22) cis-1,2-Dichloroethene	4.69	96	5583	0.617 ug/L	92
25) Chloroform	5.11	83	2400	0.135 ug/L	90
27) 1,2-Dichloroethane	5.74	62	933	0.074 ug/L #	77
33) Benzene	5.75	78	1335	0.036 ug/L	100
34) Trichloroethene	6.56	95	5434	0.561 ug/L	91
35) Methylcyclohexane	6.70	83	12135	0.884 ug/L #	14
37) 1,2-Dichloropropane	6.70	63	6145	0.591 ug/L #	87
39) cis-1,3-Dichloropropene	7.58	75	1403	0.099 ug/L #	83
44) trans-1,3-Dichloropropene	8.18	75	915	0.070 ug/L	85
47) Tetrachloroethene	8.56	164	1447	0.210 ug/L #	80
49) Dibromochloromethane	8.56	129	1348	0.150 ug/L #	9
59) 1,2,3-Trichloropropane	11.81	75	6213	0.813 ug/L	92

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 16 23:38:52 2020
Response via : Initial Calibration

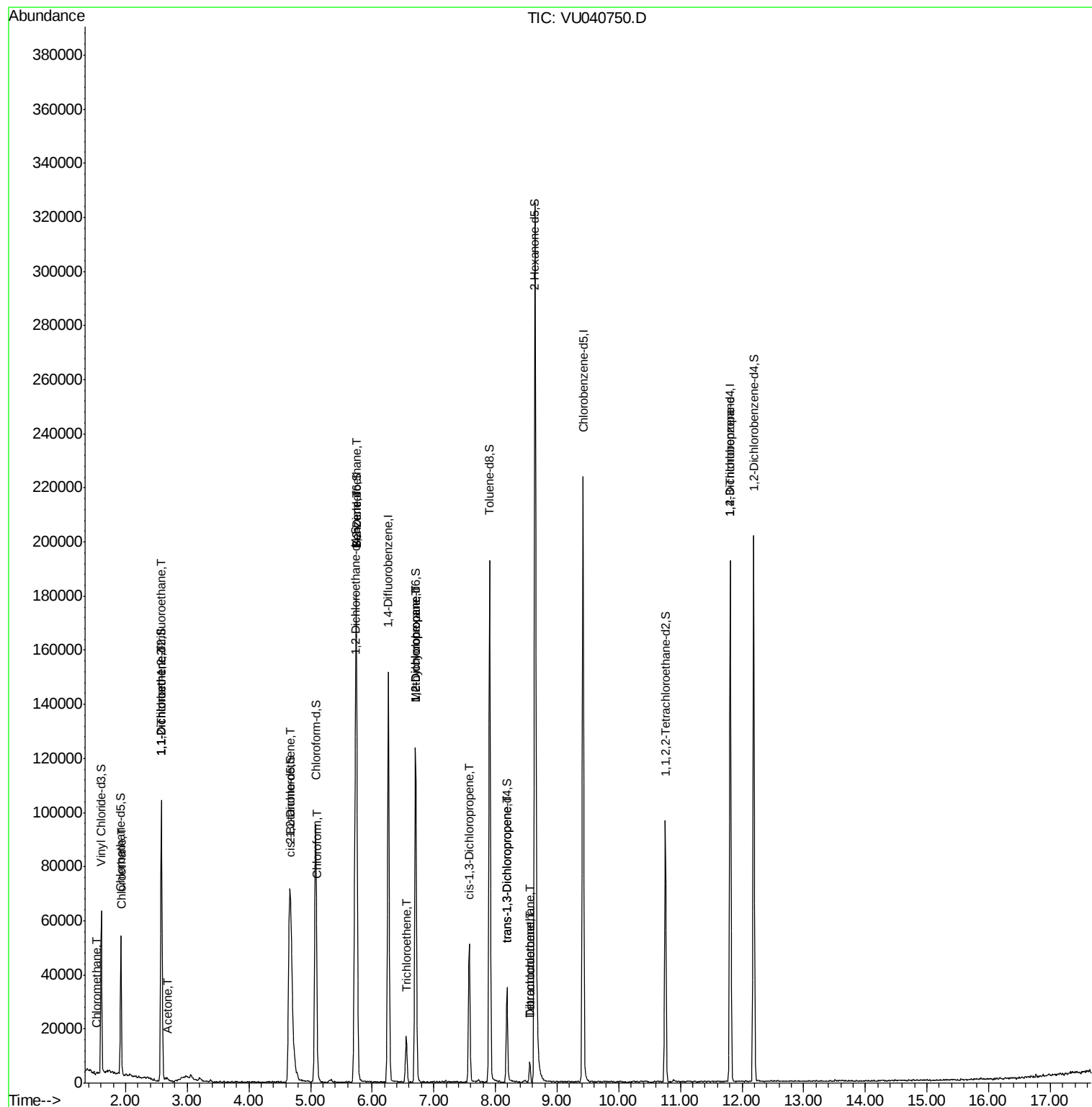
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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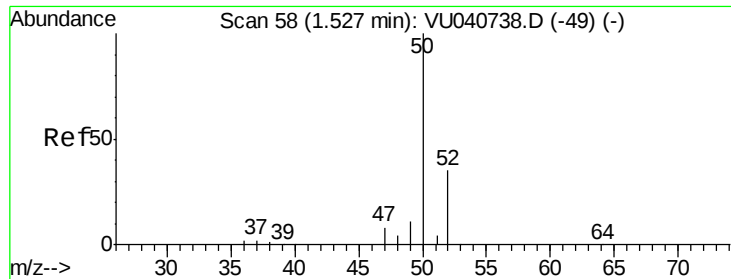
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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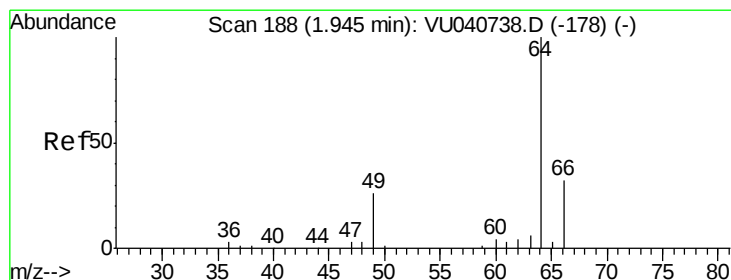
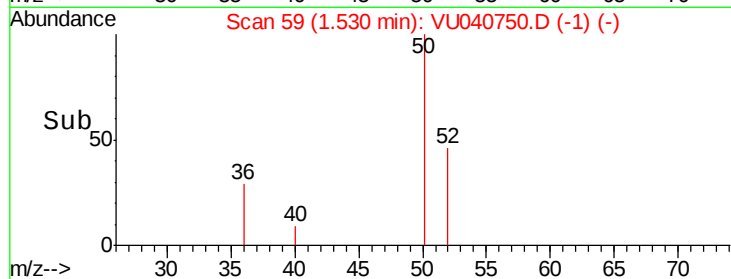
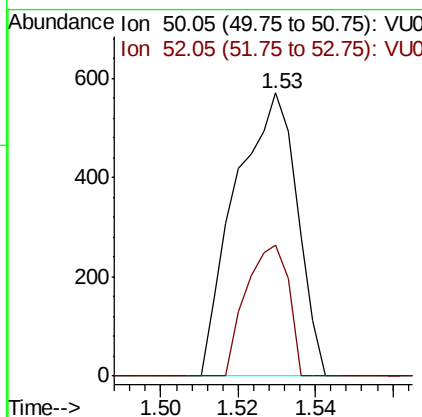
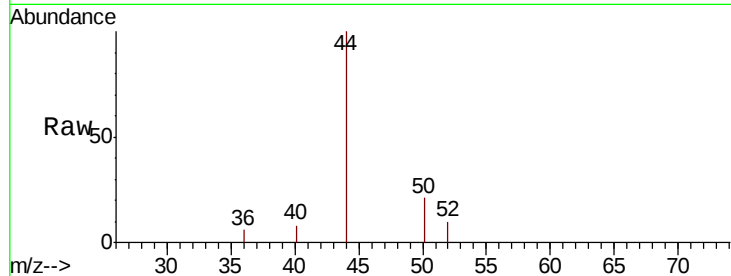




#3
 Chloromethane
 Concen: 0.067 ug/L
 RT: 1.53 min Scan# 59
 Delta R.T. 0.00 min
 Lab File: VU040750.D
 Acq: 16 Oct 2020 15:33

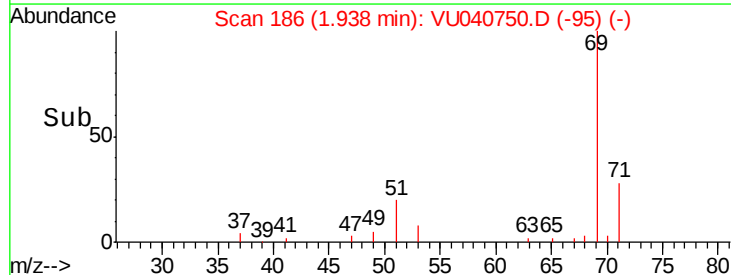
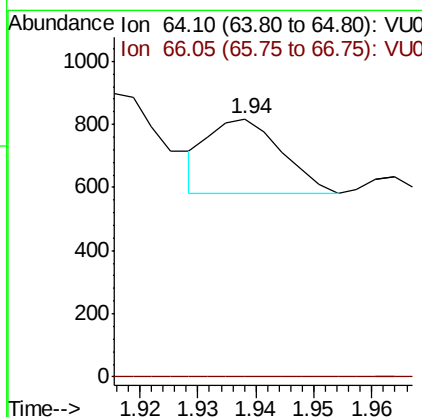
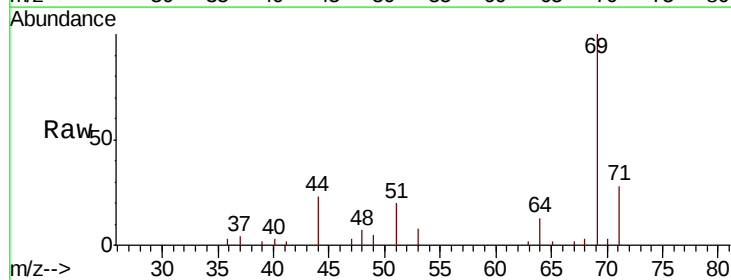
Instrument :
 MSVOA_U
 ClientSampled :
 C0AJ4

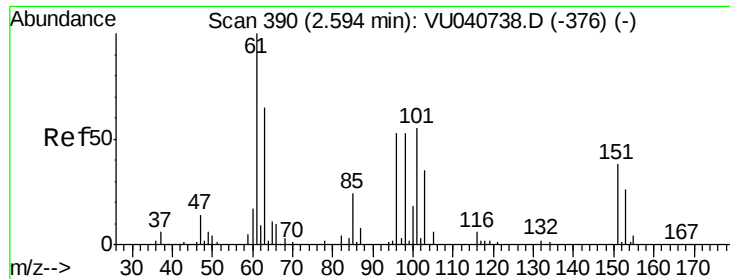
Tot Ion: 50 Resp: 633
 Ion Ratio Lower Upper
 50 100
 52 46.1 21.9 40.7#



#8
 Chloroethane
 Concen: 0.032 ug/L
 RT: 1.94 min Scan# 186
 Delta R.T. -0.01 min
 Lab File: VU040750.D
 Acq: 16 Oct 2020 15:33

Tgt Ion: 64 Resp: 207
 Ion Ratio Lower Upper
 64 100
 66 0.0 23.3 43.3#





#10

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

Concen: 0.054 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU040750.D

Acq: 16 Oct 2020 15:33

Instrument :

MSVOA_U

ClientSampleId :

C0AJ4

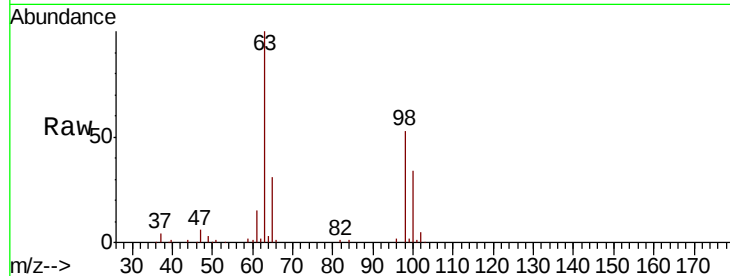
Tot Ion:101 Resp: 504

Ion Ratio Lower Upper

101 100

85 0.0 36.7 55.1#

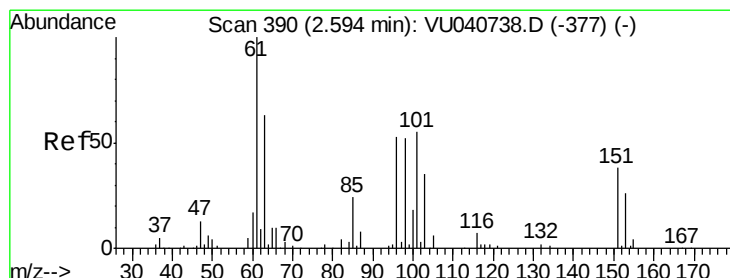
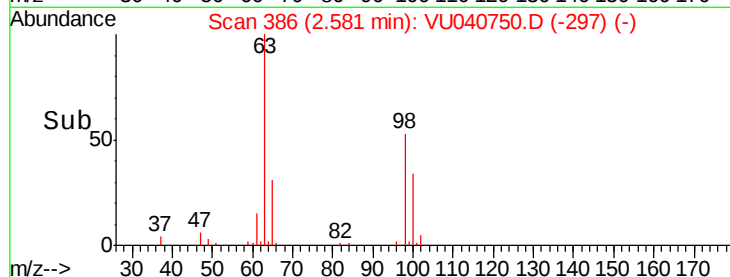
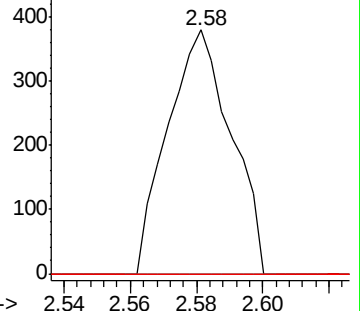
151 0.0 58.0 87.0#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.340 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040750.D

Acq: 16 Oct 2020 15:33

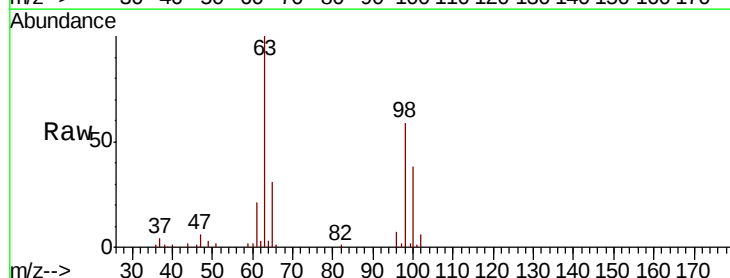
Tgt Ion: 96 Resp: 2726

Ion Ratio Lower Upper

96 100

61 282.6 128.8 239.2#

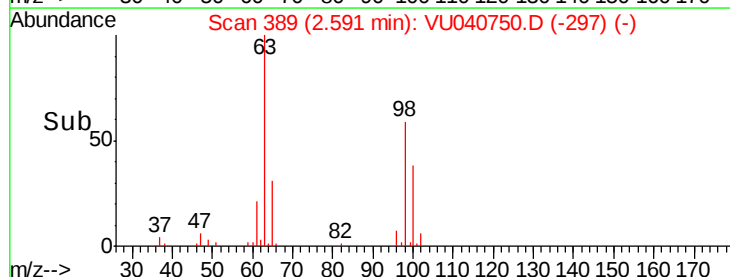
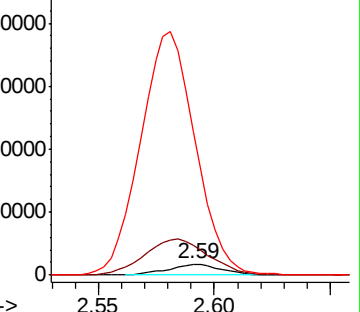
63 1350.2 84.6 157.2#

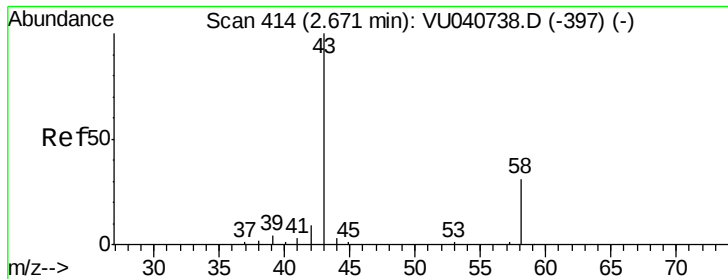


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 0.755 ug/L

RT: 2.67 min Scan# 415

Delta R.T. 0.00 min

Lab File: VU040750.D

Acq: 16 Oct 2020 15:33

Instrument :

MSVOA_U

ClientSampleId :

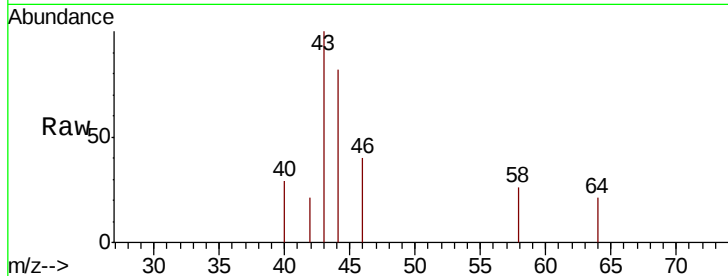
C0AJ4

Tot Ion: 43 Resp: 1743

Ion Ratio Lower Upper

43 100

58 9.1 0.0 60.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

2.67

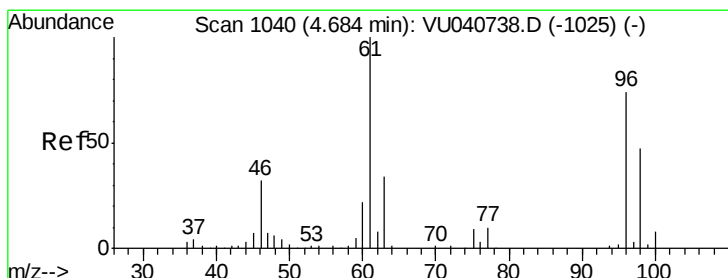
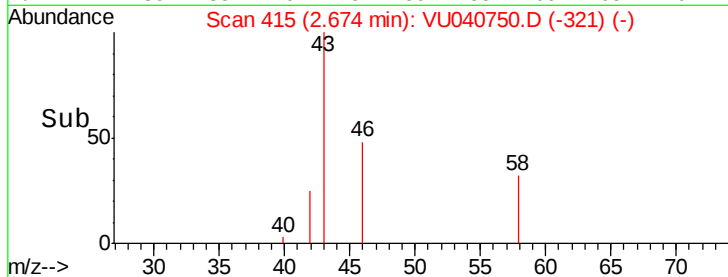
600

400

200

0

Time--> 2.60 2.65 2.70



#22

cis-1,2-Dichloroethene

Concen: 0.617 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040750.D

Acq: 16 Oct 2020 15:33

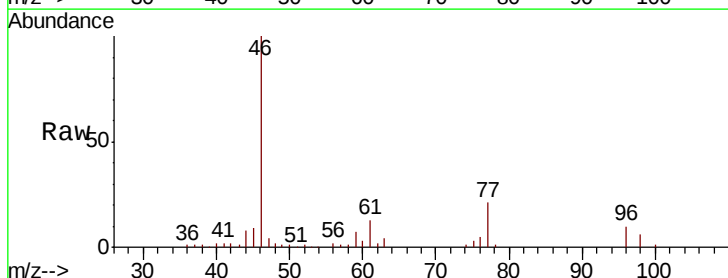
Tgt Ion: 96 Resp: 5583

Ion Ratio Lower Upper

96 100

61 132.6 99.8 185.4

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0

4000

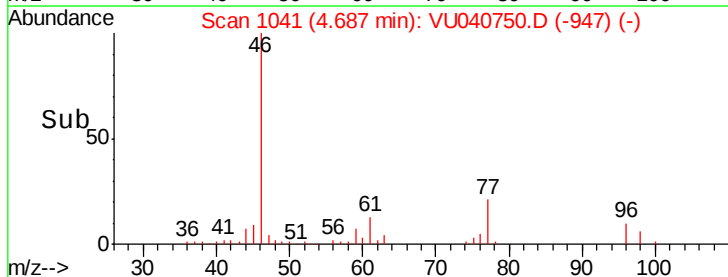
3000

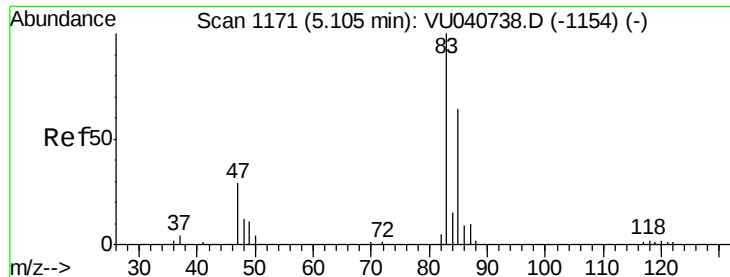
2000

1000

0

Time--> 4.65 4.70 4.75

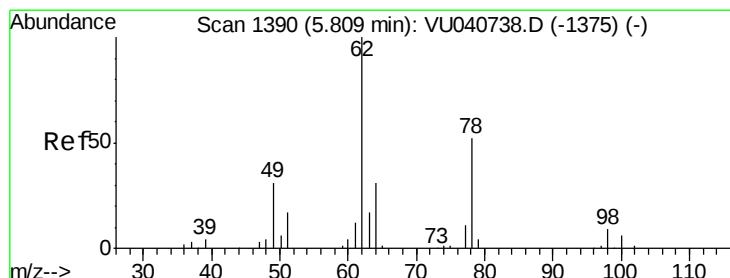
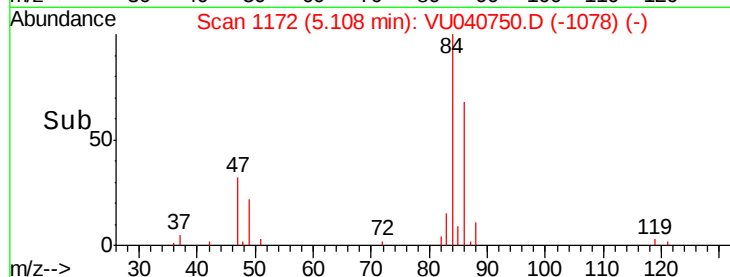
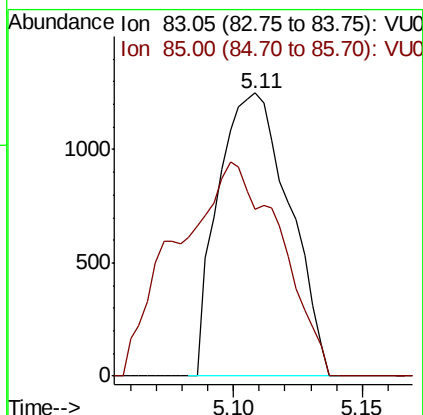
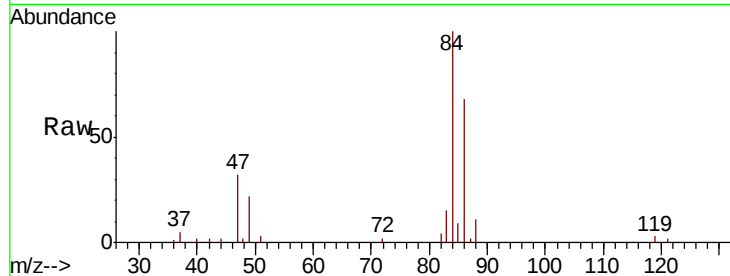




#25
Chloroform
Concen: 0.135 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU040750.D
Acq: 16 Oct 2020 15:33

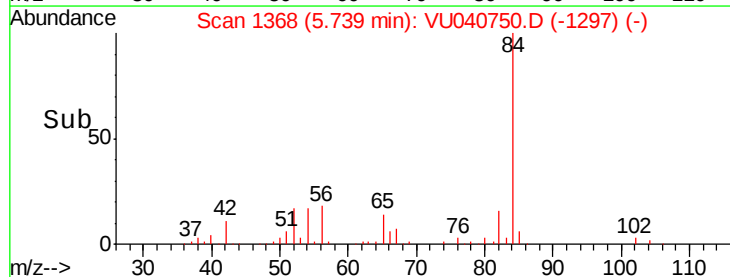
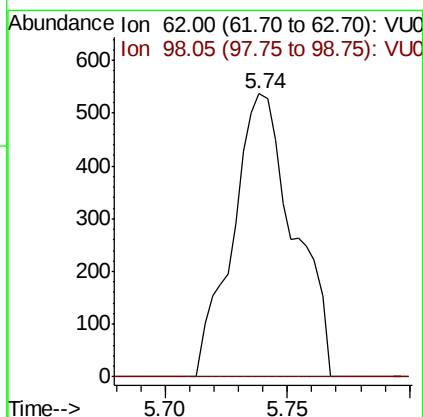
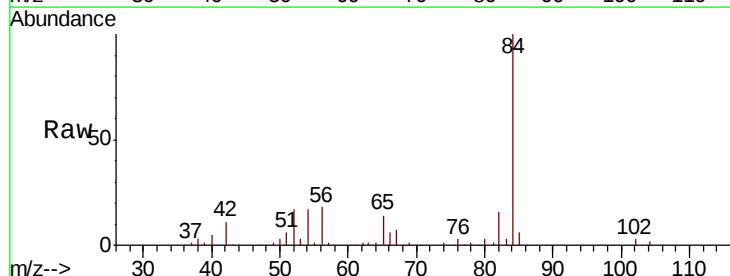
Instrument :
MSVOA_U
ClientSampleId :
C0AJ4

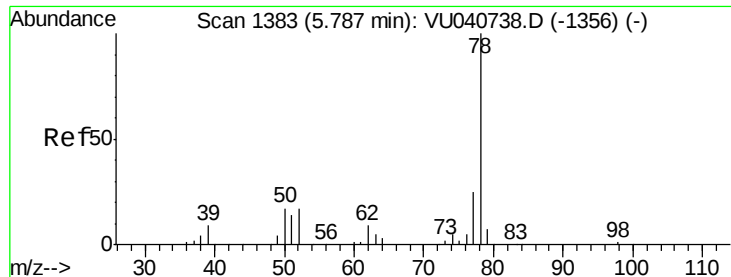
Tot Ion: 83 Resp: 2400
Ion Ratio Lower Upper
83 100
85 58.8 46.5 86.5



#27
1,2-Dichloroethane
Concen: 0.074 ug/L
RT: 5.74 min Scan# 1368
Delta R.T. -0.07 min
Lab File: VU040750.D
Acq: 16 Oct 2020 15:33

Tgt Ion: 62 Resp: 933
Ion Ratio Lower Upper
62 100
98 0.0 6.6 10.0#





#33

Benzene

Concen: 0.036 ug/L

RT: 5.75 min Scan# 1371

Delta R.T. -0.04 min

Lab File: VU040750.D

Acq: 16 Oct 2020 15:33

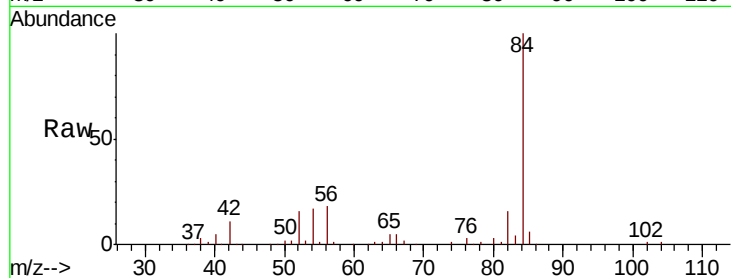
Instrument :

MSVOA_U

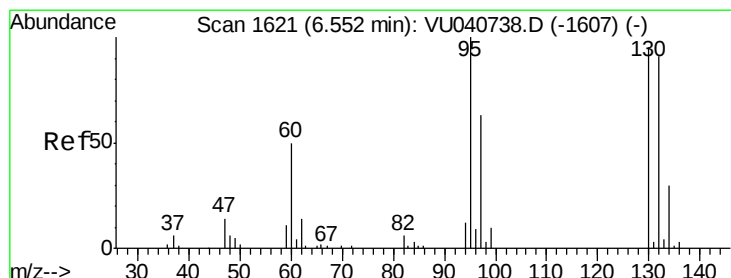
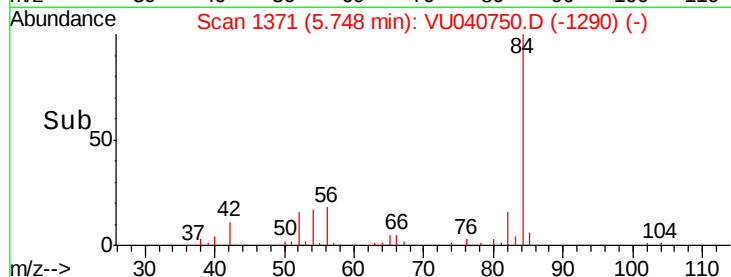
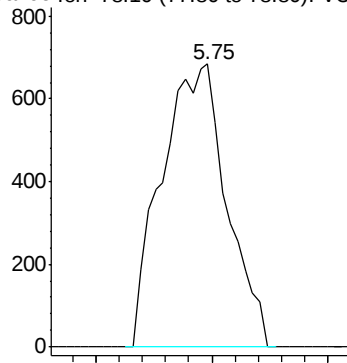
ClientSampleId :

C0AJ4

Tgt Ion: 78 Resp: 1335



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 0.561 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU040750.D

Acq: 16 Oct 2020 15:33

Tgt Ion: 95 Resp: 5434

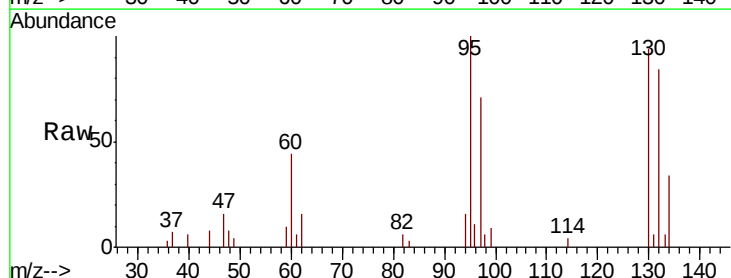
Ion Ratio Lower Upper

95 100

97 71.1 45.5 84.5

132 84.0 67.5 125.4

130 94.4 69.9 129.9

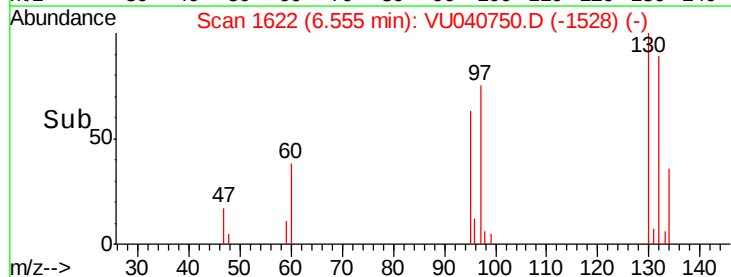
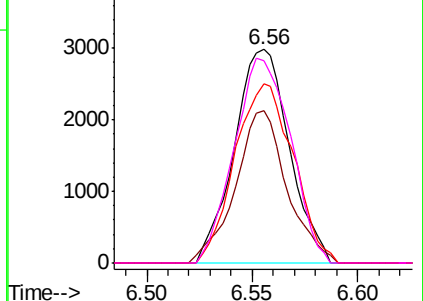


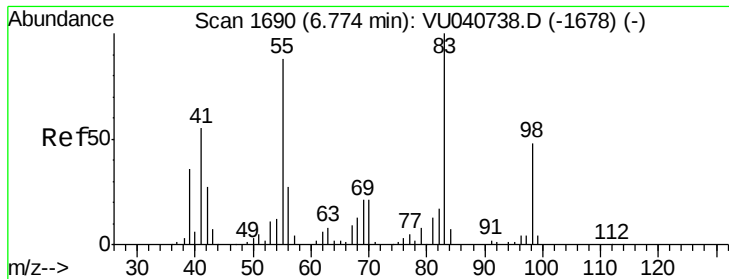
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

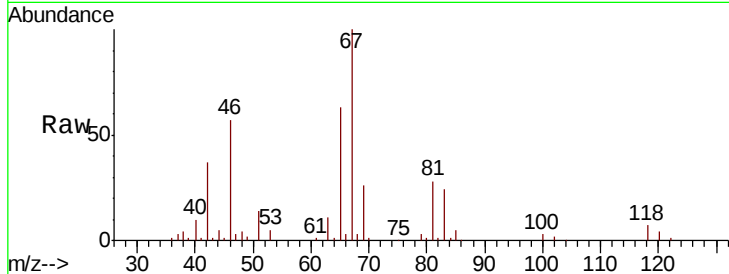




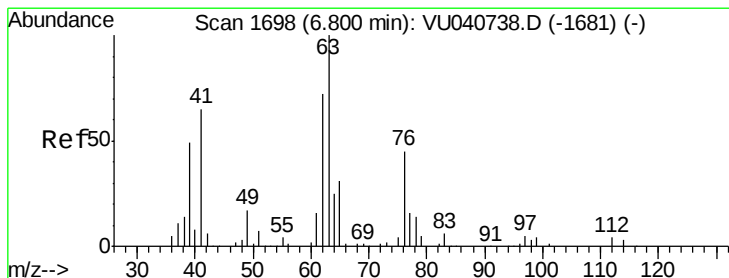
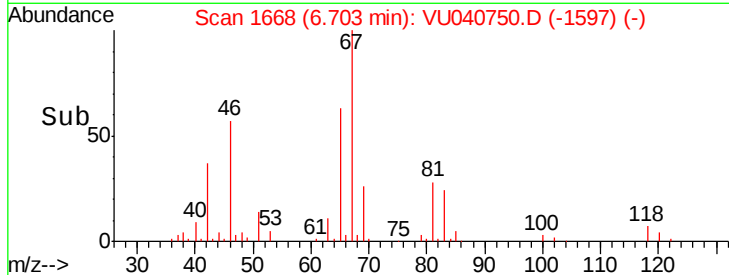
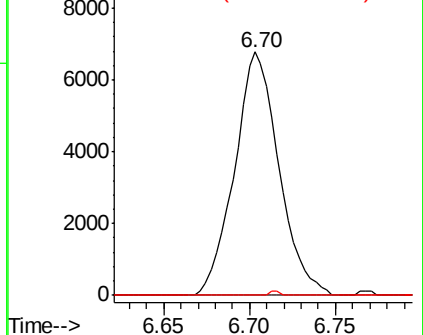
#35
Methvlcvclohexane
Concen: 0.884 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU040750.D
Acq: 16 Oct 2020 15:33

Instrument :
MSVOA_U
ClientSampleId :
C0AJ4

Tot Ion: 83 Resp: 12135
Ion Ratio Lower Upper
83 100
55 0.0 70.7 106.1#
98 0.3 38.4 57.6#

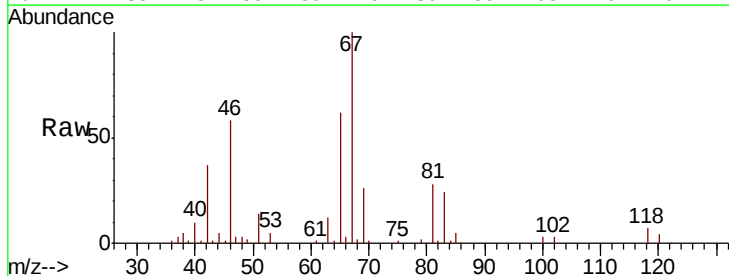


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

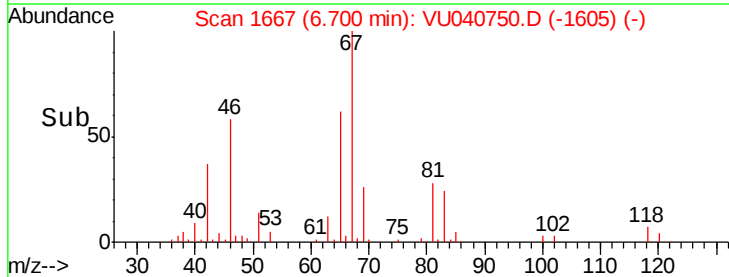
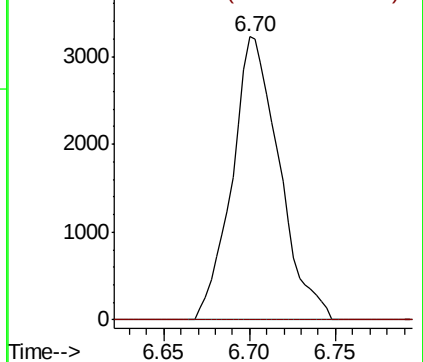


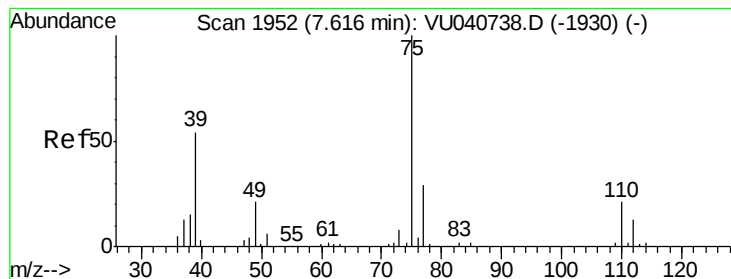
#37
1,2-Dichloropropane
Concen: 0.591 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.10 min
Lab File: VU040750.D
Acq: 16 Oct 2020 15:33

Tgt Ion: 63 Resp: 6145
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V





#39

cis-1,3-Dichloropropene

Concen: 0.099 ug/L

RT: 7.58 min Scan# 1940

Delta R.T. -0.04 min

Lab File: VU040750.D

Acq: 16 Oct 2020 15:33

Instrument :

MSVOA_U

ClientSampleId :

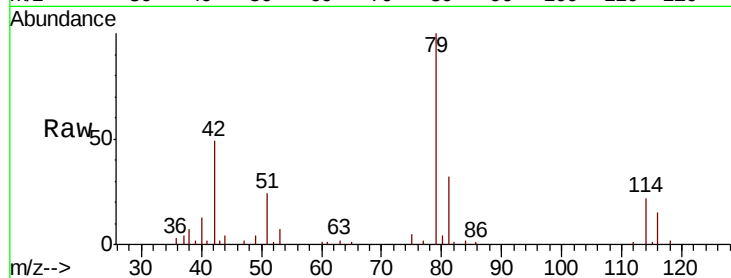
C0AJ4

Tot Ion: 75 Resp: 1403

Ion Ratio Lower Upper

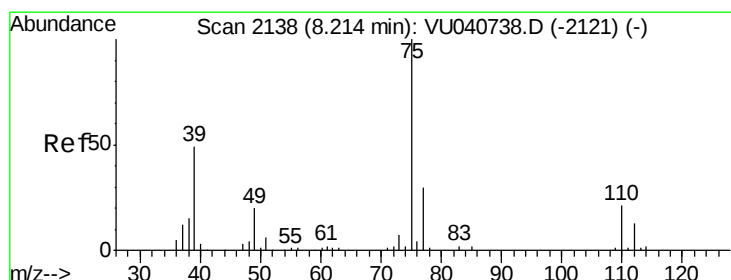
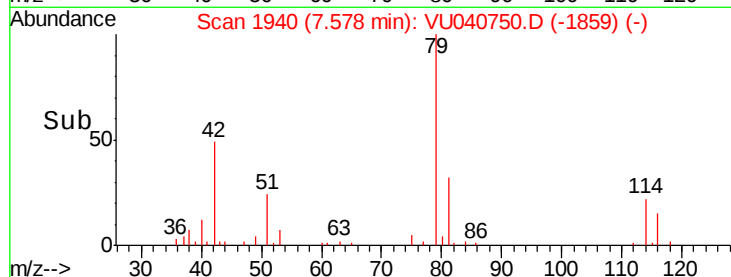
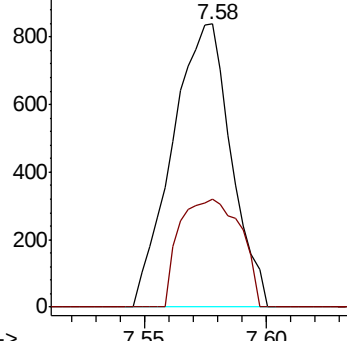
75 100

77 38.2 20.5 38.1#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#44

trans-1,3-Dichloropropene

Concen: 0.070 ug/L

RT: 8.18 min Scan# 2128

Delta R.T. -0.03 min

Lab File: VU040750.D

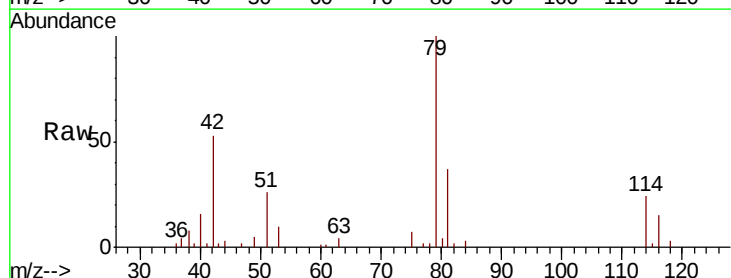
Acq: 16 Oct 2020 15:33

Tgt Ion: 75 Resp: 915

Ion Ratio Lower Upper

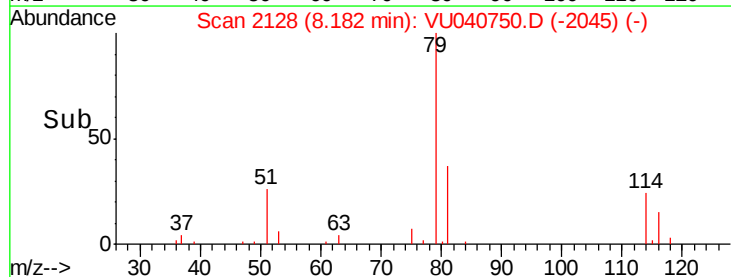
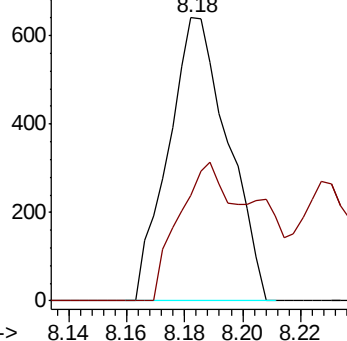
75 100

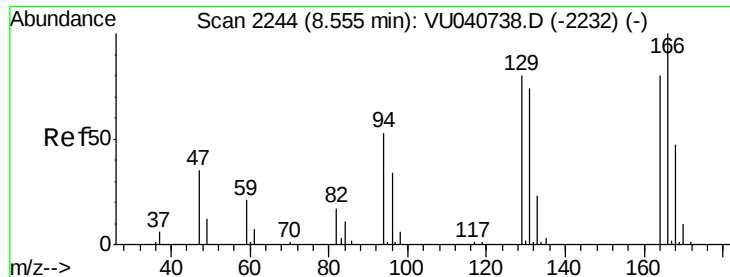
77 37.2 20.4 38.0



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0





#47

Tetrachloroethene

Concen: 0.210 ug/L

RT: 8.56 min Scan# 2246

Delta R.T. 0.01 min

Lab File: VU040750.D

Acq: 16 Oct 2020 15:33

Instrument :

MSVOA_U

ClientSampleId :

C0AJ4

Tot Ion:164 Resp: 1447

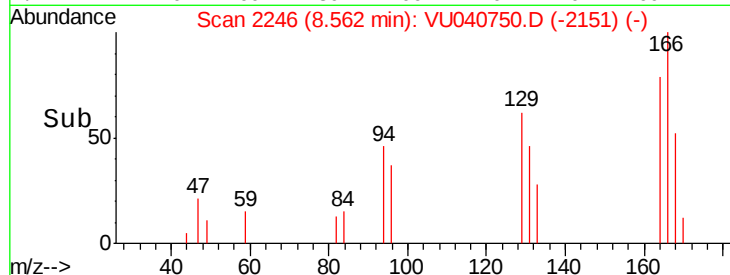
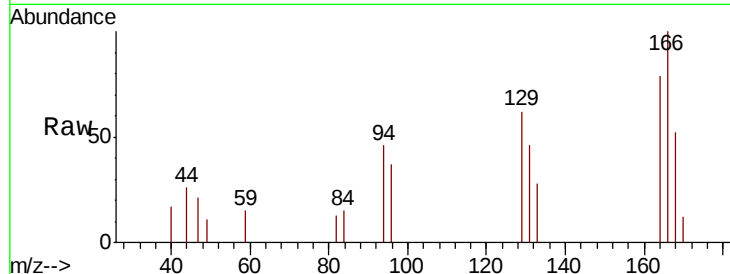
Ion Ratio Lower Upper

164 100

129 77.9 68.8 127.8

131 58.2 66.7 123.9#

166 126.2 83.9 155.7

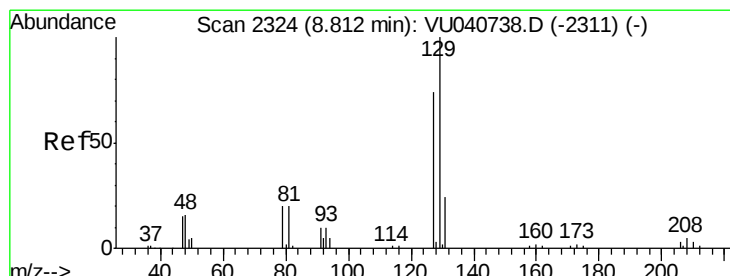
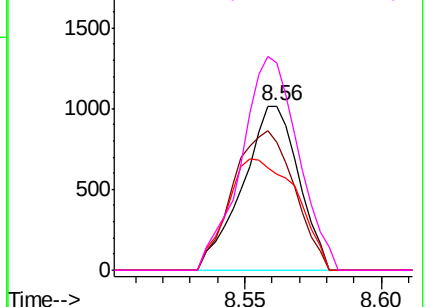


Abundance Ion 163.90 (163.60 to 164.60): V

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



#49

Dibromochloromethane

Concen: 0.150 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.25 min

Lab File: VU040750.D

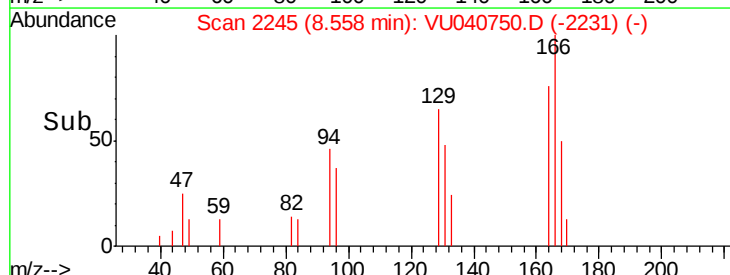
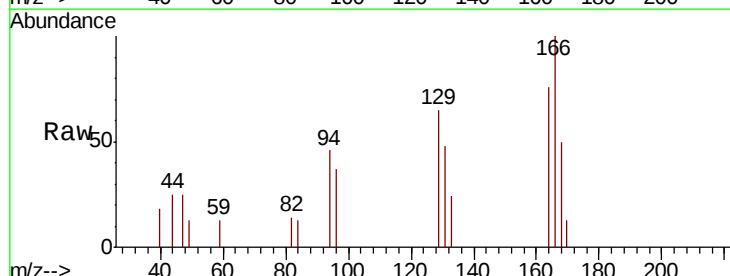
Acq: 16 Oct 2020 15:33

Tgt Ion:129 Resp: 1348

Ion Ratio Lower Upper

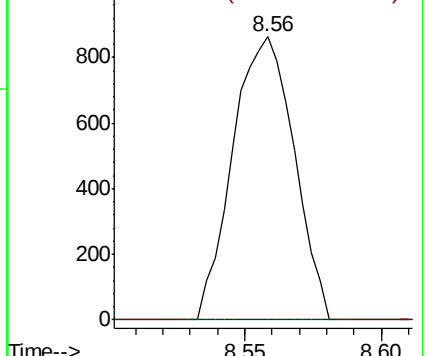
129 100

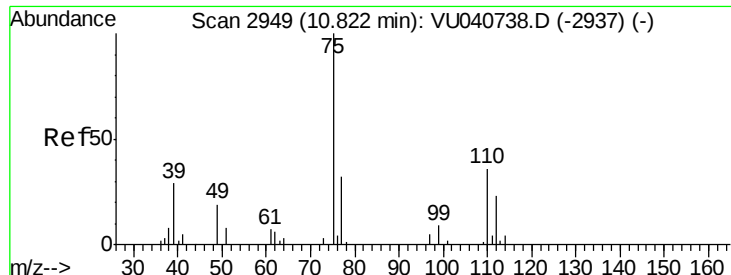
127 0.0 55.8 103.6#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V





#59

1,2,3-Trichloropropane

Concen: 0.813 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU040750.D

Acq: 16 Oct 2020 15:33

Instrument :

MSVOA_U

ClientSampleId :

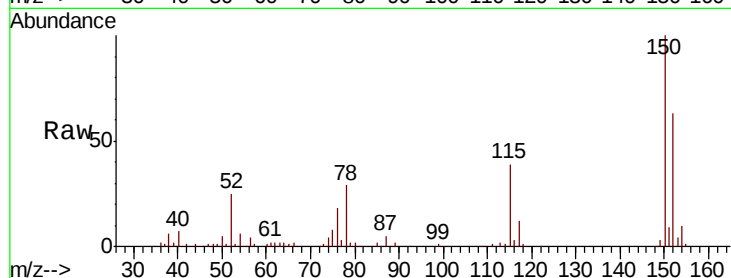
C0AJ4

Tot Ion: 75 Resp: 6213

Ion Ratio Lower Upper

75 100

77 37.3 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

