

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102620\
 Data File : VU040965.D
 Acq On : 27 Oct 2020 00:44
 Operator : SY/MD
 Sample : L4493-03
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AQ1

Quant Time: Oct 27 05:33:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 27 05:24:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	57450	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	60810	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	24047	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	25661	5.31	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	106.20%
7) Chloroethane-d5	1.92	69	20811	5.61	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	112.20%
11) 1,1-Dichloroethene-d2	2.58	63	38633	4.08	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.60%
20) 2-Butanone-d5	4.66	46	89644	56.40	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.80%
24) Chloroform-d	5.08	84	45068	5.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.80%
26) 1,2-Dichloroethane-d4	5.72	65	28837	5.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.00%
32) Benzene-d6	5.74	84	83251	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.40%
36) 1,2-Dichloropropane-d6	6.70	67	28285	5.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.80%
41) Toluene-d8	7.91	98	66568	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.40%
43) trans-1,3-Dichloropropene-	8.19	79	10757	4.69	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.80%
46) 2-Hexanone-d5	8.64	63	64449	52.15	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.30%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	25206	5.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	24805	5.88	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	117.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.94	64	173	0.051	ug/L #	43
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	243	0.057	ug/L #	22
12) 1,1-Dichloroethene	2.58	96	220	0.054	ug/L #	1
13) Acetone	2.68	43	1349	1.241	ug/L	96
14) Carbon disulfide	2.81	76	1766	0.130	ug/L #	74
25) Chloroform	5.10	83	437	0.053	ug/L #	70
27) 1,2-Dichloroethane	5.75	62	489	0.079	ug/L #	74
33) Benzene	5.75	78	553	0.030	ug/L	100
34) Trichloroethene	6.27	95	987	0.213	ug/L #	7
35) Methylcyclohexane	6.70	83	6801	0.986	ug/L #	14
37) 1,2-Dichloropropane	6.70	63	3271	0.665	ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	762	0.113	ug/L #	67
44) trans-1,3-Dichloropropene	8.19	75	504	0.080	ug/L #	66
47) Tetrachloroethene	8.56	164	13444	3.954	ug/L	94
48) 2-Hexanone	8.64	43	9508	3.221	ug/L #	67
49) Dibromochloromethane	8.56	129	14184	3.337	ug/L #	11
59) 1,2,3-Trichloropropane	11.81	75	3267	0.892	ug/L #	84

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Oct 27 05:24:32 2020
Response via : Initial Calibration

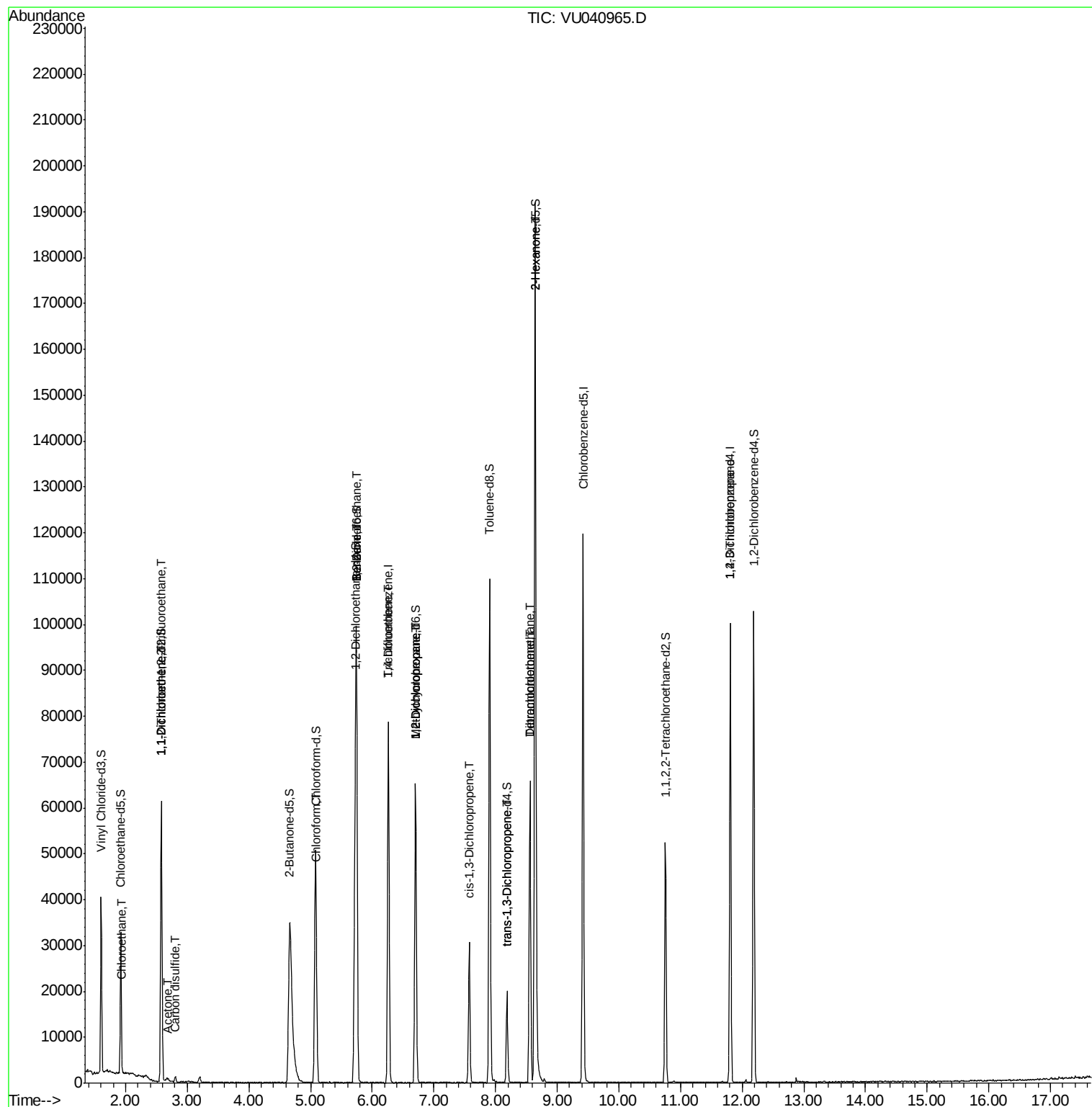
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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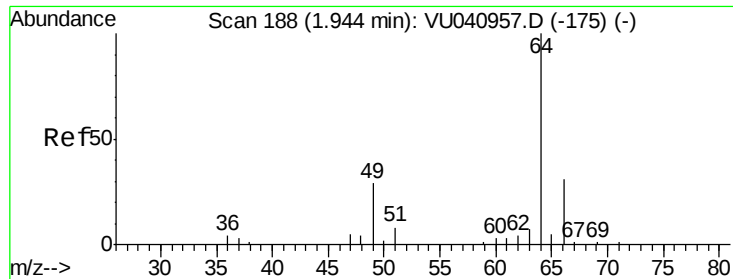
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 0.051 ug/L

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU040965.D

Acq: 27 Oct 2020 00:44

Instrument :

MSVOA_U

ClientSampleId :

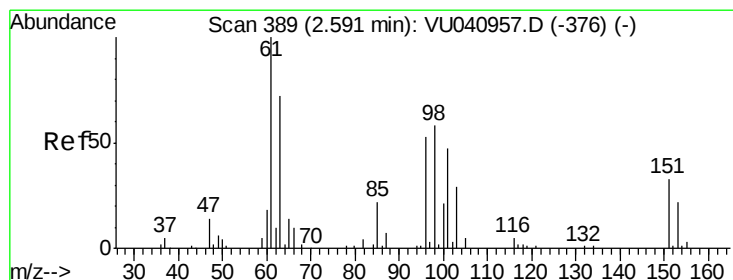
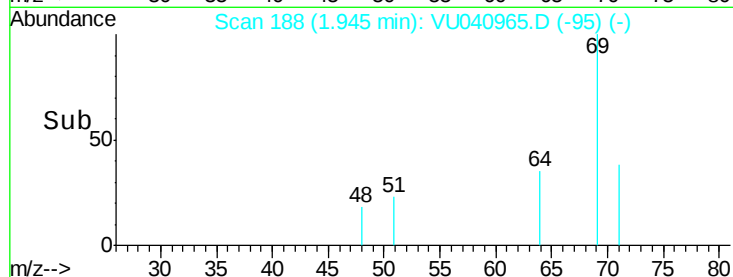
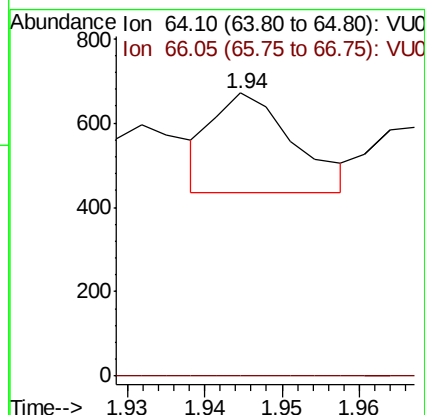
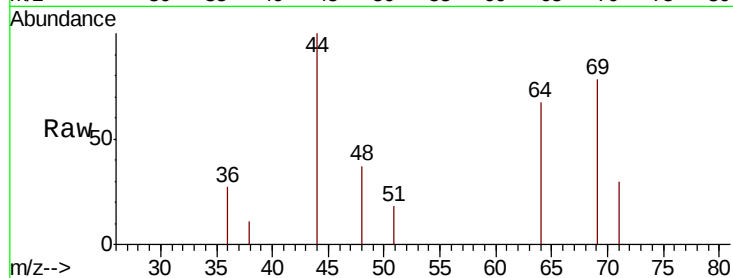
C0AQ1

Tot Ion: 64 Resp: 173

Ion Ratio Lower Upper

64 100

66 0.0 22.3 41.5#



#10

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

Concen: 0.057 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.01 min

Lab File: VU040965.D

Acq: 27 Oct 2020 00:44

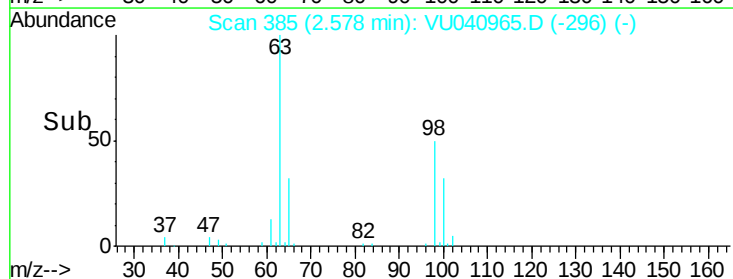
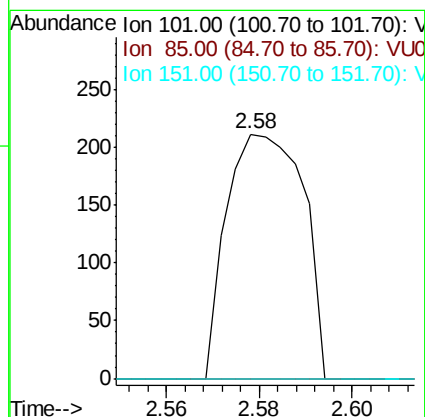
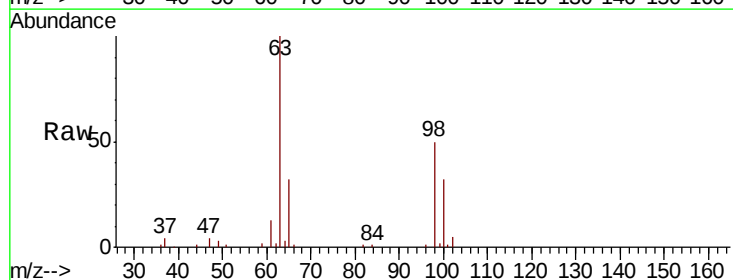
Tgt Ion: 101 Resp: 243

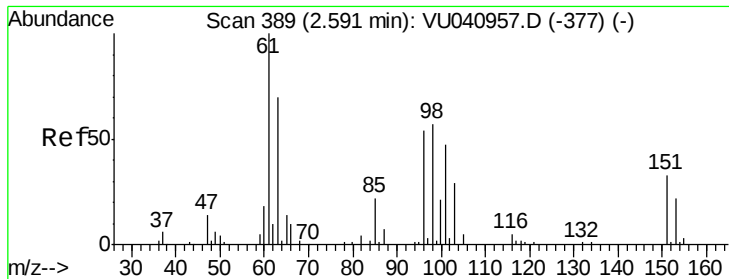
Ion Ratio Lower Upper

101 100

85 0.0 35.0 52.4#

151 0.0 55.3 82.9#

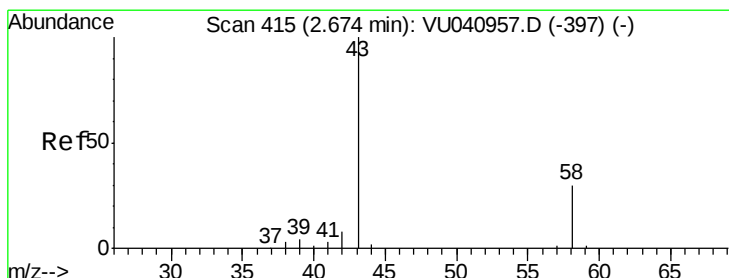
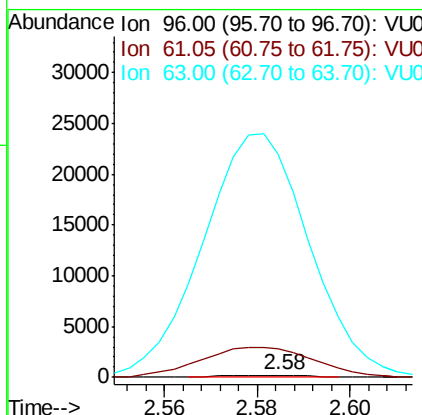
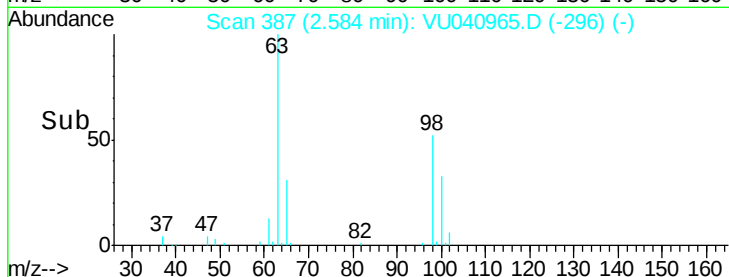
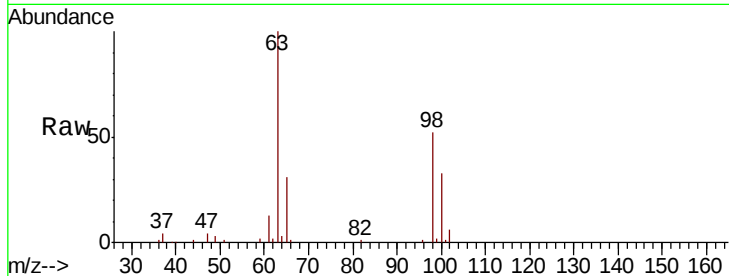




#12
 1,1-Dichloroethene
 Concen: 0.054 ug/L
 RT: 2.58 min Scan# 387
 Delta R.T. -0.01 min
 Lab File: VU040965.D
 Acq: 27 Oct 2020 00:44

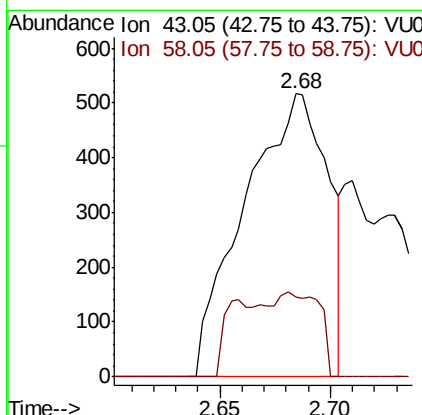
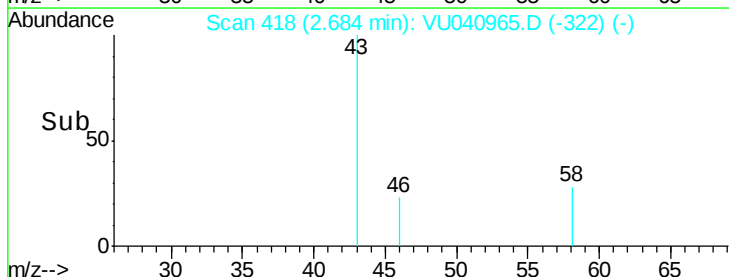
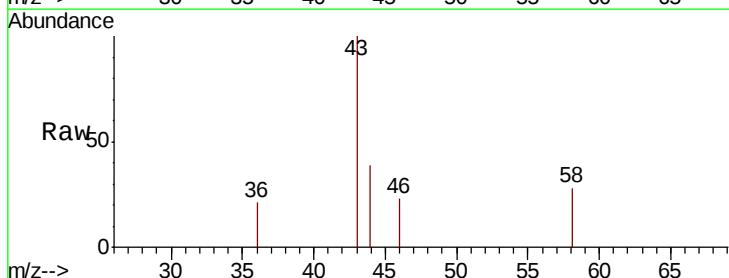
Instrument :
 MSVOA_U
 ClientSampleId :
 C0AQ1

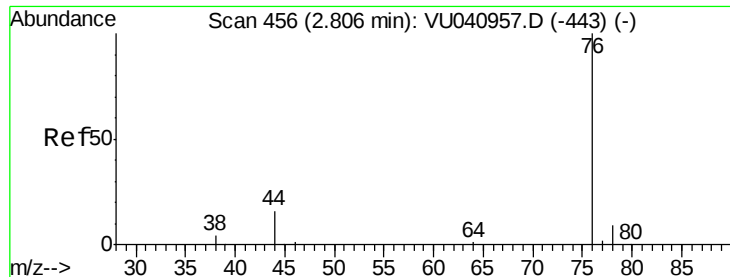
Tot Ion: 96 Resp: 220
 Ion Ratio Lower Upper
 96 100
 61 1514.7 134.3 249.5#
 63 11917.4 95.0 176.4#



#13
 Acetone
 Concen: 1.241 ug/L
 RT: 2.68 min Scan# 418
 Delta R.T. 0.01 min
 Lab File: VU040965.D
 Acq: 27 Oct 2020 00:44

Tgt Ion: 43 Resp: 1349
 Ion Ratio Lower Upper
 43 100
 58 14.3 0.0 25.4





#14

Carbon disulfide

Concen: 0.130 ug/L

RT: 2.81 min Scan# 456

Delta R.T. 0.00 min

Lab File: VU040965.D

Acq: 27 Oct 2020 00:44

Instrument :

MSVOA_U

ClientSampleId :

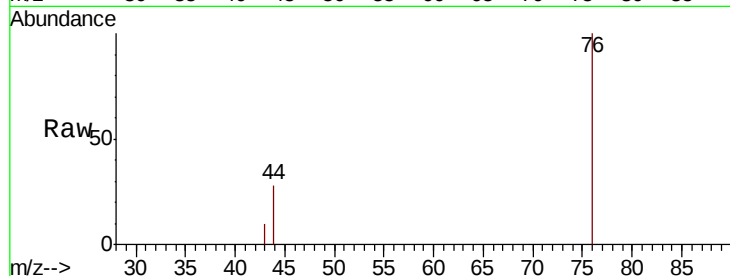
C0AQ1

Tot Ion: 76 Resp: 1766

Ion Ratio Lower Upper

76 100

78 0.0 7.5 11.3#



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0

2.81

1200

1000

800

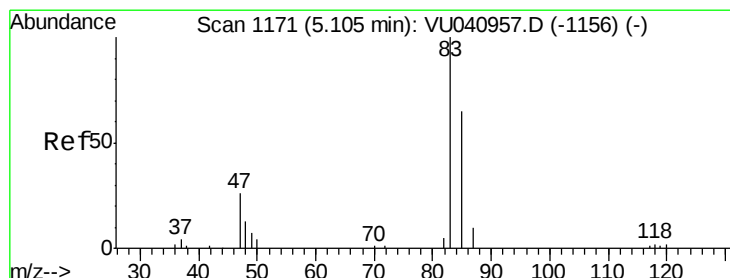
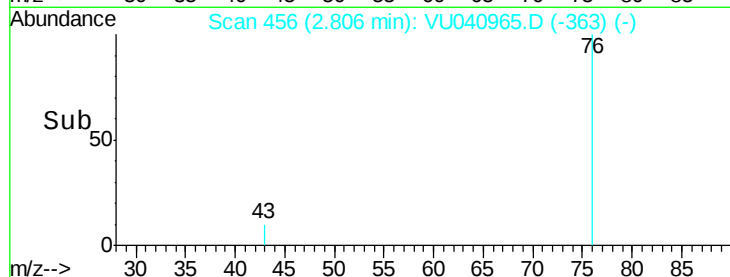
600

400

200

0

Time--> 2.75 2.80 2.85



#25

Chloroform

Concen: 0.053 ug/L

RT: 5.10 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VU040965.D

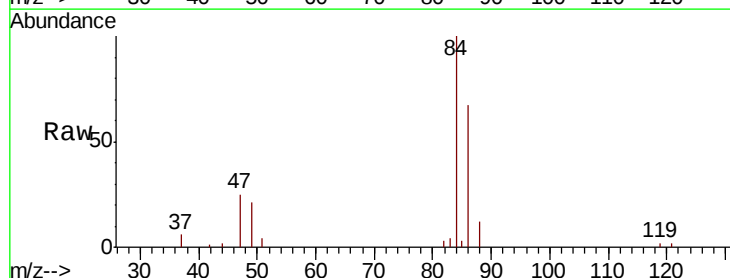
Acq: 27 Oct 2020 00:44

Tgt Ion: 83 Resp: 437

Ion Ratio Lower Upper

83 100

85 90.1 46.1 85.7#



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0

5.10

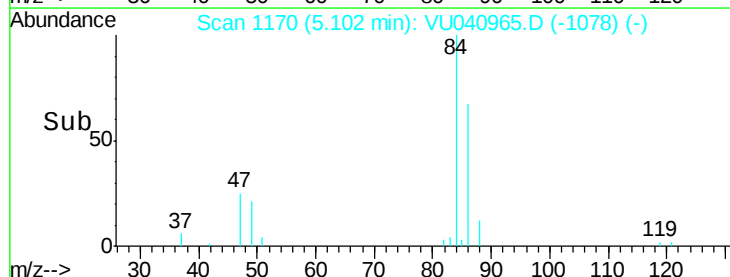
300

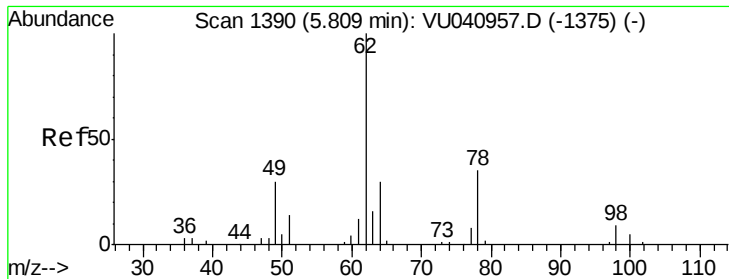
200

100

0

Time--> 5.08 5.10 5.12 5.14

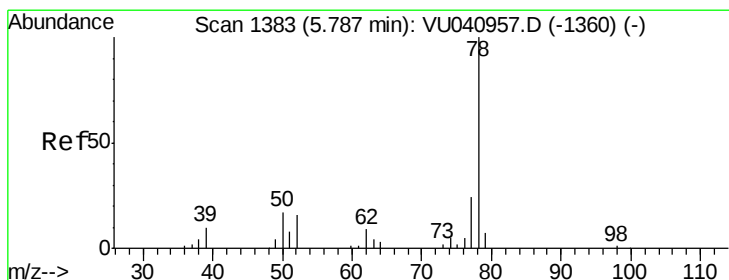
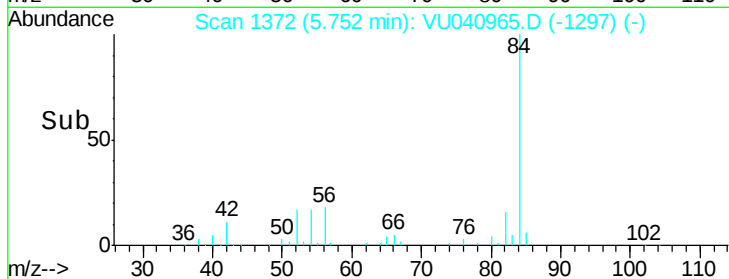
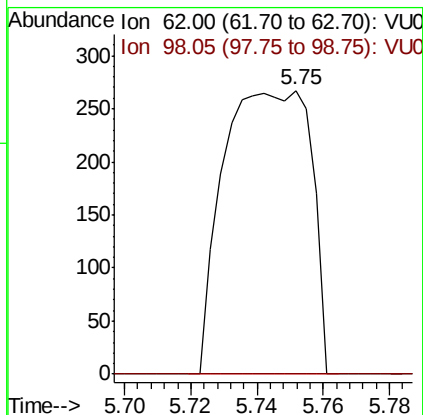
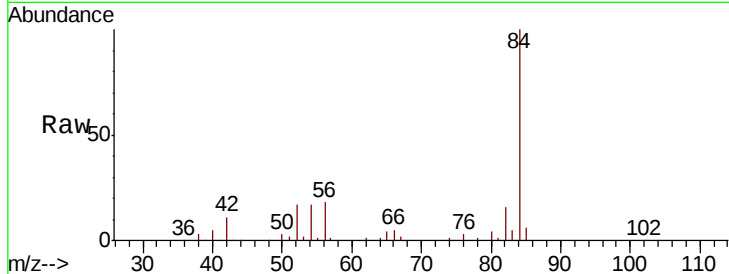




#27
 1,2-Dichloroethane
 Concen: 0.079 ug/L
 RT: 5.75 min Scan# 1372
 Delta R.T. -0.06 min
 Lab File: VU040965.D
 Acq: 27 Oct 2020 00:44

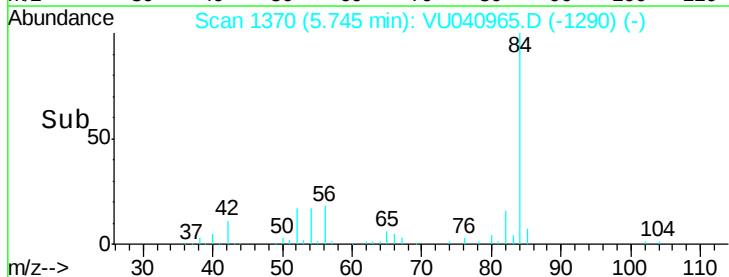
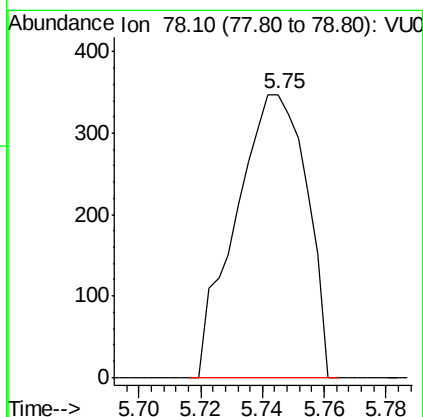
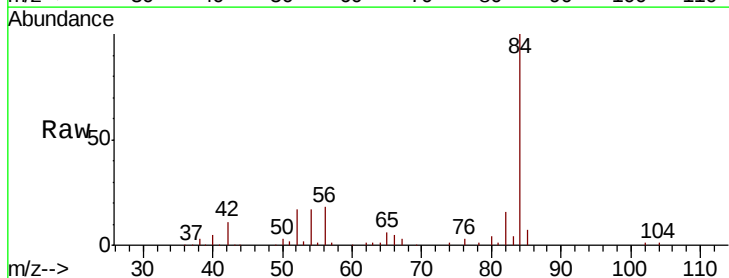
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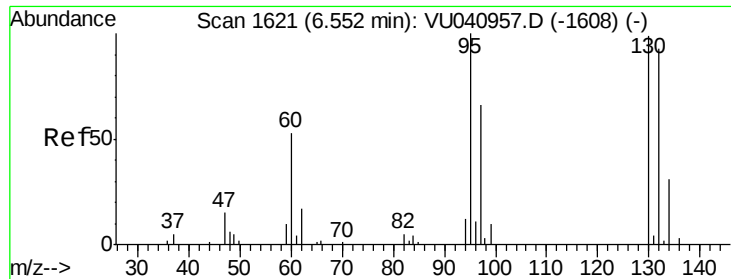
Tot Ion: 62 Resp: 489
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.6 11.4#



#33
 Benzene
 Concen: 0.030 ug/L
 RT: 5.75 min Scan# 1370
 Delta R.T. -0.04 min
 Lab File: VU040965.D
 Acq: 27 Oct 2020 00:44

Tgt Ion: 78 Resp: 553

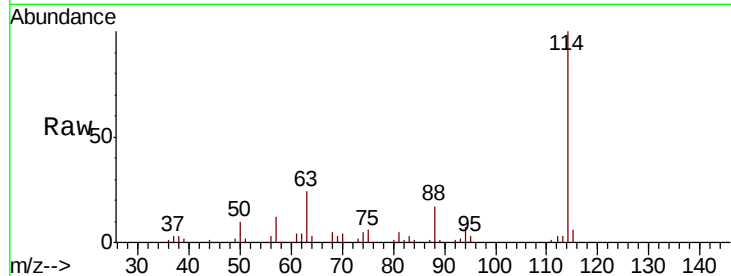




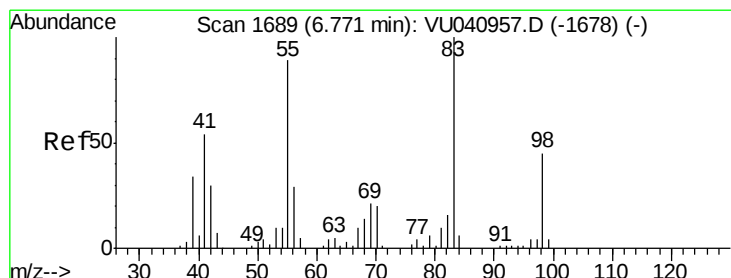
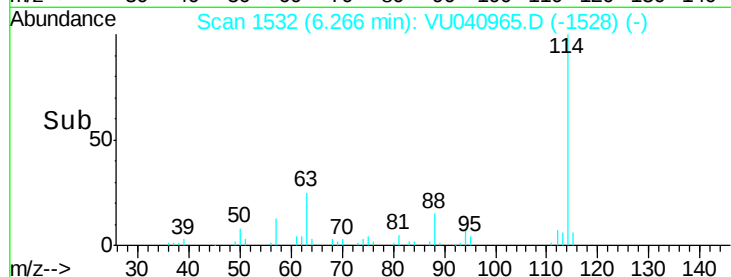
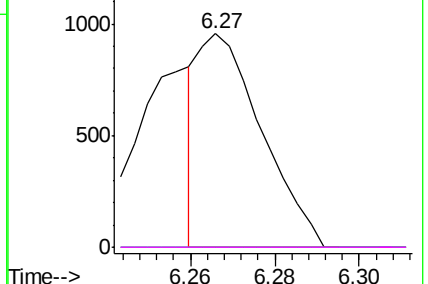
#34
 Trichloroethene
 Concen: 0.213 ug/L
 RT: 6.27 min Scan# 1532
 Delta R.T. -0.29 min
 Lab File: VU040965.D
 Acq: 27 Oct 2020 00:44

Instrument :
 MSVOA_U
 ClientSampleID :
 C0AQ1

Tot Ion: 95 Resp: 987
 Ion Ratio Lower Upper
 95 100
 97 0.0 45.6 84.6#
 132 0.0 64.8 120.4#
 130 0.0 64.8 120.4#

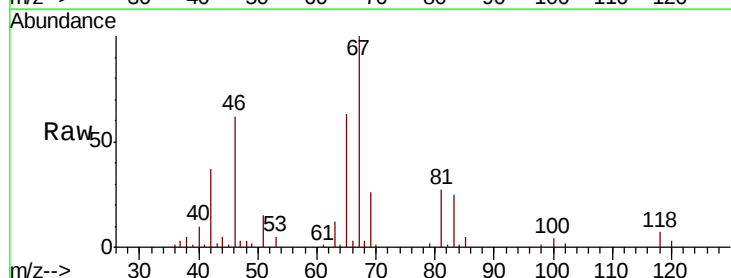


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

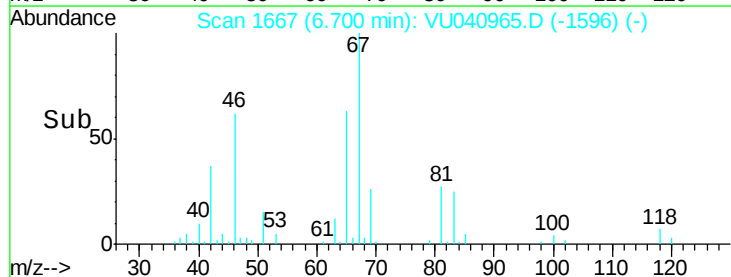
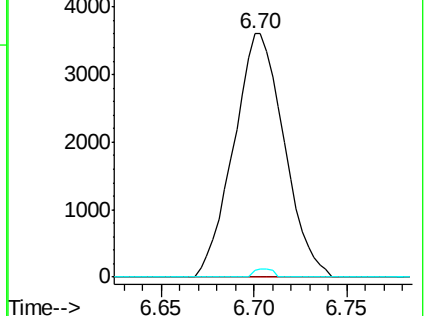


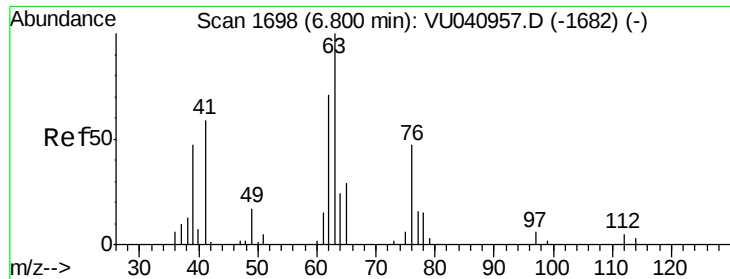
#35
 Methylcyclohexane
 Concen: 0.986 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.07 min
 Lab File: VU040965.D
 Acq: 27 Oct 2020 00:44

Tgt Ion: 83 Resp: 6801
 Ion Ratio Lower Upper
 83 100
 55 0.0 72.0 108.0#
 98 1.3 36.6 55.0#



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

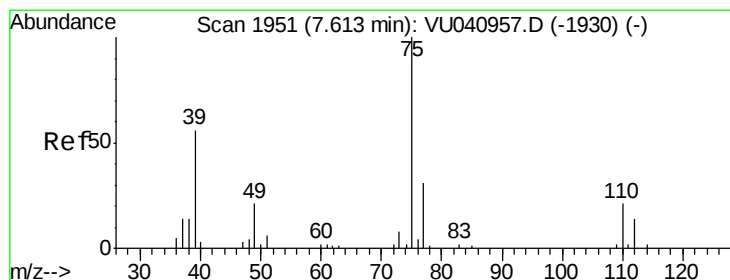
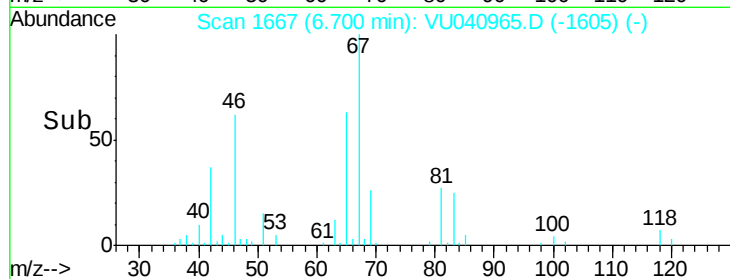
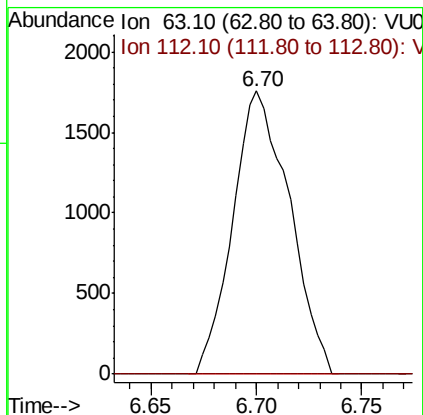
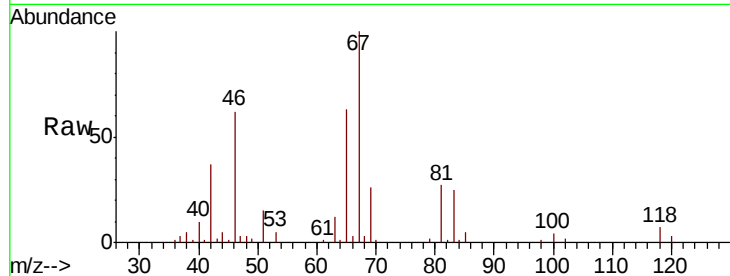




#37
 1,2-Dichloropropane
 Concen: 0.665 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.10 min
 Lab File: VU040965.D
 Acq: 27 Oct 2020 00:44

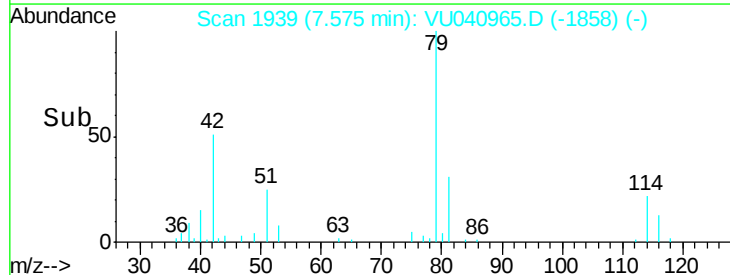
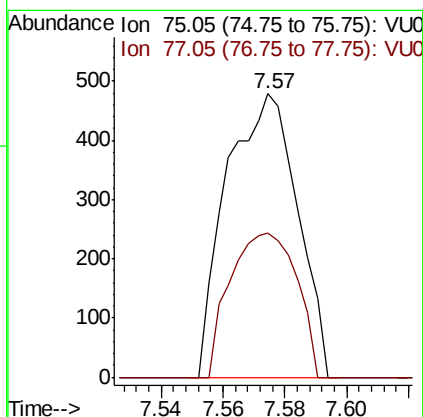
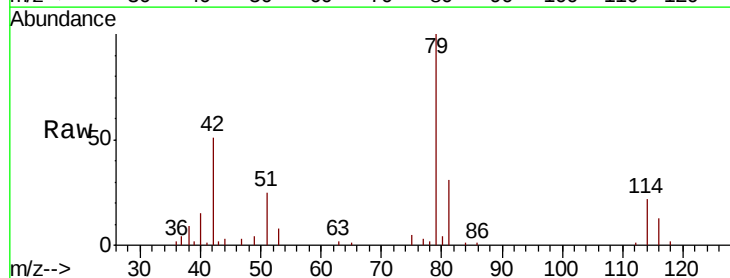
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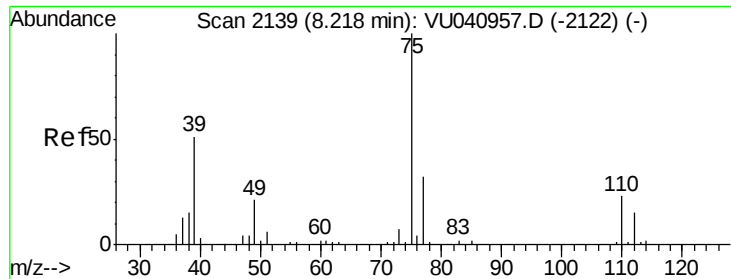
Tot Ion: 63 Resp: 3271
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.6 5.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.113 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU040965.D
 Acq: 27 Oct 2020 00:44

Tgt Ion: 75 Resp: 762
 Ion Ratio Lower Upper
 75 100
 77 51.0 22.7 42.3#





#44

trans-1,3-Dichloropropene

Concen: 0.080 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU040965.D

Acq: 27 Oct 2020 00:44

Instrument :

MSVOA_U

ClientSampleId :

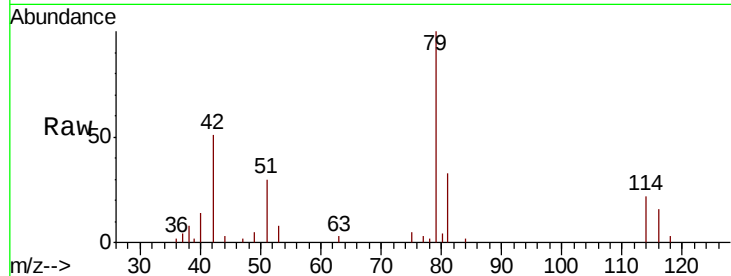
C0AQ1

Tot Ion: 75 Resp: 504

Ion Ratio Lower Upper

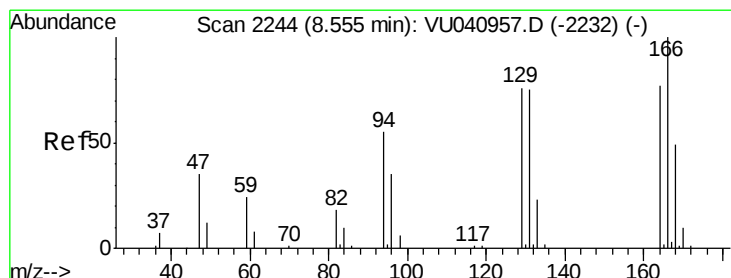
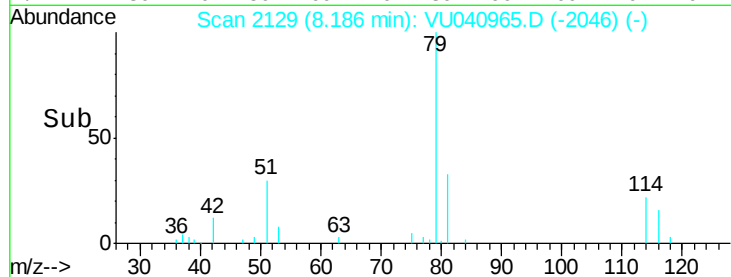
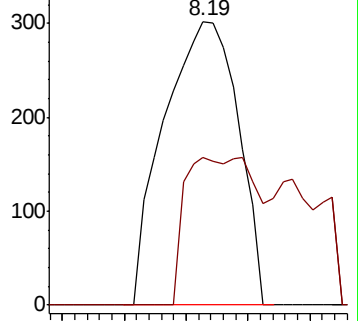
75 100

77 52.3 23.3 43.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#47

Tetrachloroethene

Concen: 3.954 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU040965.D

Acq: 27 Oct 2020 00:44

Tgt Ion:164 Resp: 13444

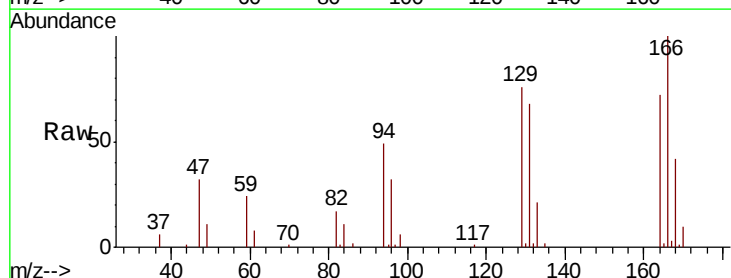
Ion Ratio Lower Upper

164 100

129 105.2 70.3 130.7

131 94.1 70.8 131.4

166 139.0 92.0 170.8

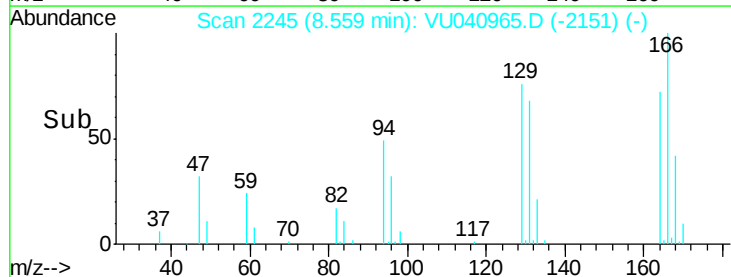
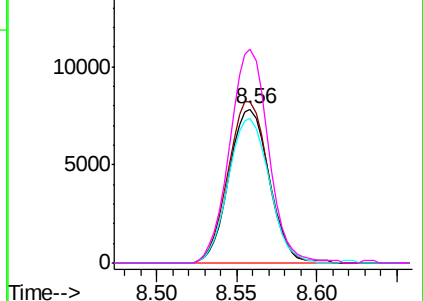


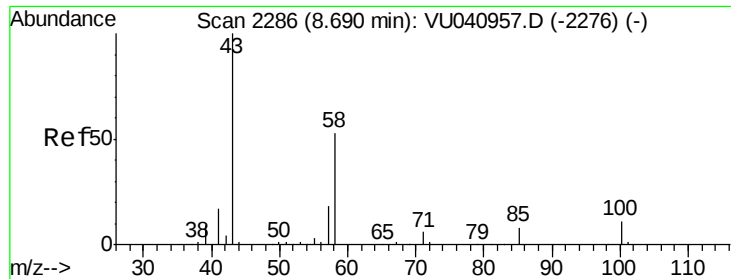
Abundance Ion 163.90 (163.60 to 164.60): V

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

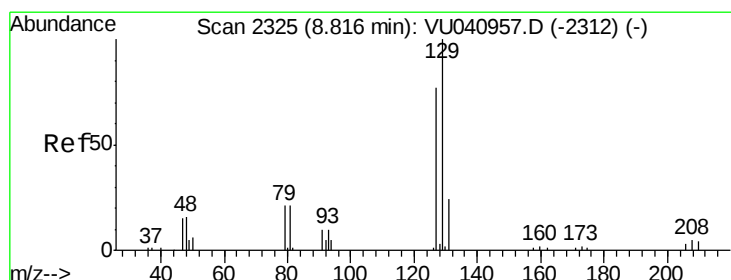
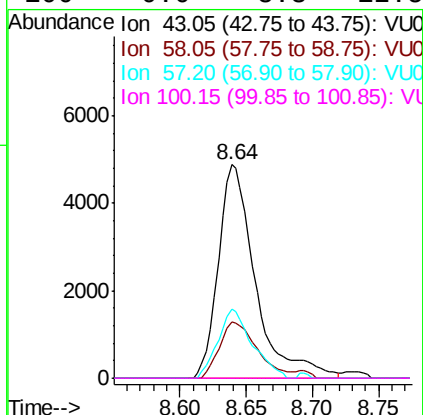
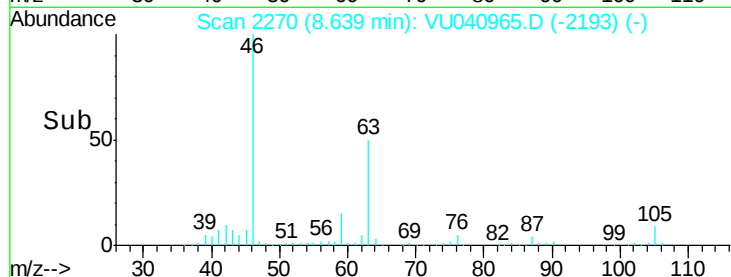
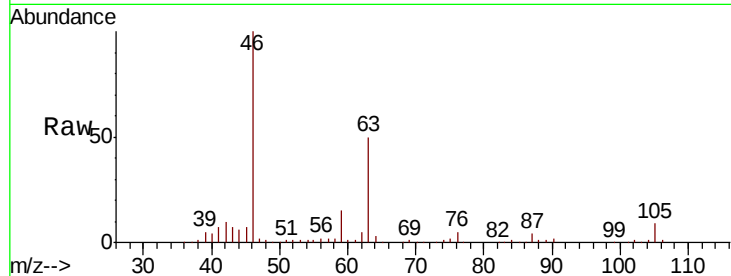




#48
2-Hexanone
Concen: 3.221 ug/L
RT: 8.64 min Scan# 2270
Delta R.T. -0.05 min
Lab File: VU040965.D
Acq: 27 Oct 2020 00:44

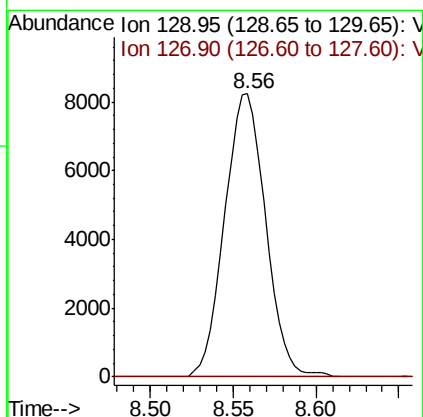
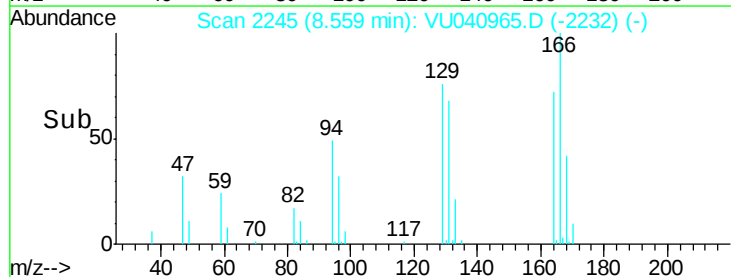
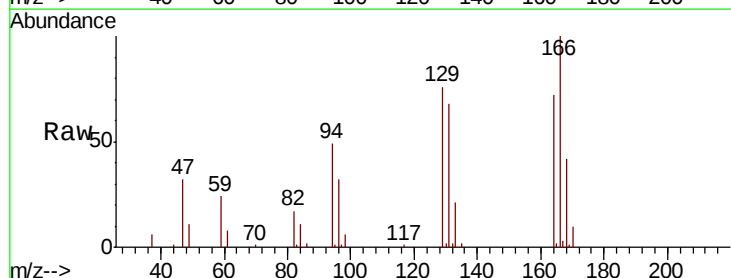
Instrument :
MSVOA_U
ClientSampleId :
C0AQ1

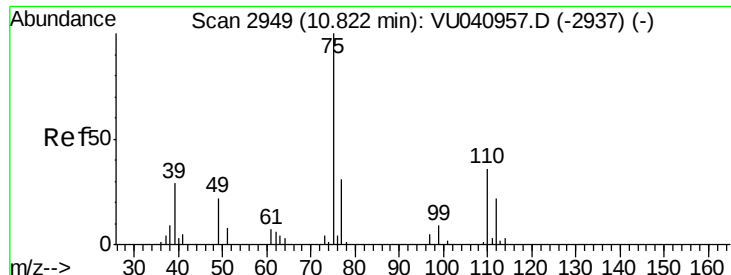
Tot Ion: 43 Resp: 9508
Ion Ratio Lower Upper
43 100
58 26.6 41.4 62.2#
57 29.7 14.6 21.8#
100 0.0 8.3 12.5#



#49
Dibromochloromethane
Concen: 3.337 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. -0.26 min
Lab File: VU040965.D
Acq: 27 Oct 2020 00:44

Tgt Ion: 129 Resp: 14184
Ion Ratio Lower Upper
129 100
127 0.0 53.4 99.2#





#59

1,2,3-Trichloropropane

Concen: 0.892 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU040965.D

Acq: 27 Oct 2020 00:44

Instrument :

MSVOA_U

ClientSampleId :

C0AQ1

Tot Ion: 75 Resp: 3267

Ion Ratio Lower Upper

75 100

77 40.9 25.7 38.5#

