

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011121\
 Data File : VU041947.D
 Acq On : 12 Jan 2021 02:12
 Operator : SY/MD
 Sample : M1049-05DL 10X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AQ7DL

Quant Time: Jan 12 05:52:43 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR011121WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jan 12 05:50:11 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	112537	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	111217	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	48072	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	44350	4.67	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.40%
7) Chloroethane-d5	1.92	69	42635	4.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.00%
11) 1,1-Dichloroethene-d2	2.58	63	66147	3.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.60%
20) 2-Butanone-d5	4.66	46	141724	53.77	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.54%
24) Chloroform-d	5.08	84	81307	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.00%
26) 1,2-Dichloroethane-d4	5.72	65	46597	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.20%
32) Benzene-d6	5.74	84	153883	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.60%
36) 1,2-Dichloropropane-d6	6.70	67	48974	4.74	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.80%
41) Toluene-d8	7.90	98	130099	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.40%
43) trans-1,3-Dichloropropene-	8.19	79	20120	4.67	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.40%
46) 2-Hexanone-d5	8.64	63	120806	55.42	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.84%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	47411	5.19	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	48233	5.31	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.20%

Target Compounds

					Ovalue
3) Chloromethane	1.52	50	559	0.047 ug/L	94
9) Trichlorofluoromethane	2.15	101	43691	2.634 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	451	0.050 ug/L #	20
12) 1,1-Dichloroethene	2.58	96	541	0.062 ug/L #	1
16) Methylene chloride	3.06	84	14292	1.294 ug/L	98
22) cis-1,2-Dichloroethene	4.69	96	2209	0.243 ug/L	98
25) Chloroform	5.10	83	1024	0.061 ug/L #	67
27) 1,2-Dichloroethane	5.75	62	877	0.082 ug/L #	73
34) Trichloroethene	6.55	95	62713	6.665 ug/L	97
35) Methylcyclohexane	6.70	83	11169	0.808 ug/L #	17
37) 1,2-Dichloropropane	6.70	63	5207	0.583 ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1254	0.095 ug/L	91
44) trans-1,3-Dichloropropene	8.19	75	690	0.059 ug/L #	76
47) Tetrachloroethene	8.56	164	54997	8.400 ug/L	97
48) 2-Hexanone	8.64	43	13626	3.257 ug/L #	67
49) Dibromochloromethane	8.56	129	53648	6.432 ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	5411	0.829 ug/L	98

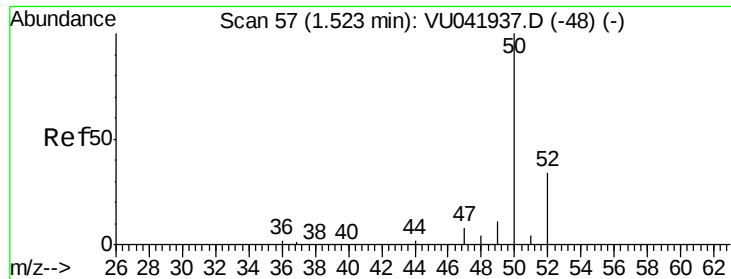
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011121\
Data File : VU041947.D
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Operator : SY/MD
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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jan 12 05:50:11 2021
Response via : Initial Calibration

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



#3

Chloromethane

Concen: 0.047 ug/L

RT: 1.52 min Scan# 57

Delta R.T. 0.00 min

Lab File: VU041947.D

Acq: 12 Jan 2021 02:12

Instrument :

MSVOA_U

ClientSampleId :

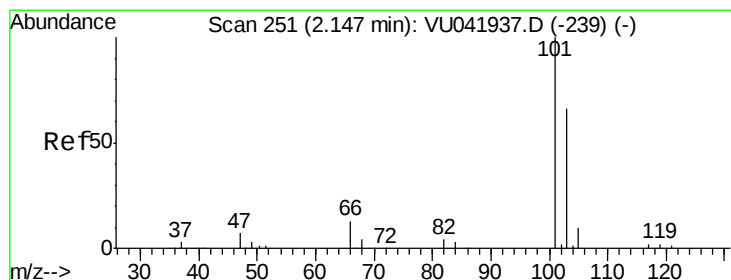
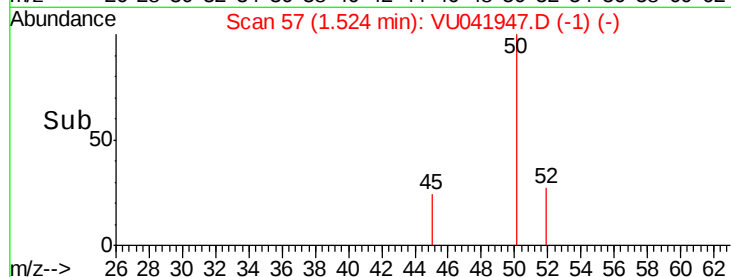
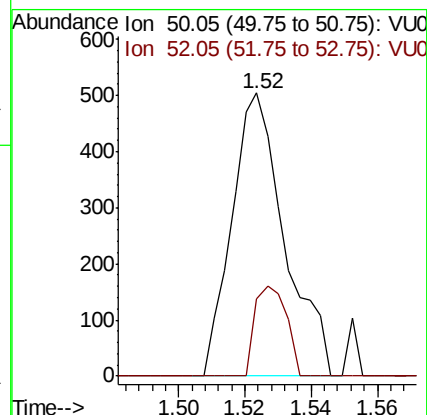
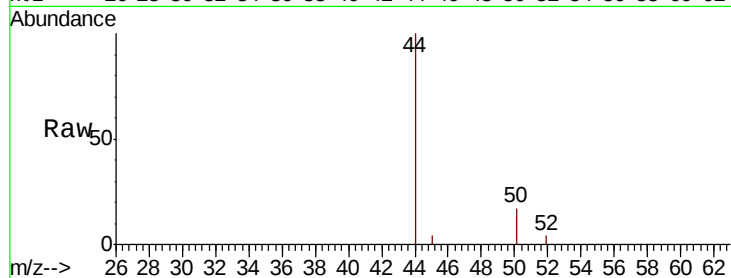
C0AQ7DL

Tot Ion: 50 Resp: 559

Ion Ratio Lower Upper

50 100

52 27.2 21.4 39.8



#9

Trichlorofluoromethane

Concen: 2.634 ug/L

RT: 2.15 min Scan# 251

Delta R.T. 0.00 min

Lab File: VU041947.D

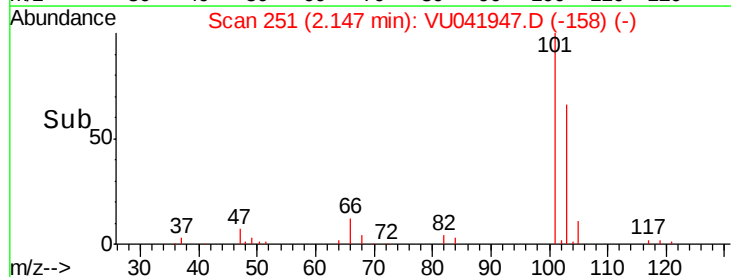
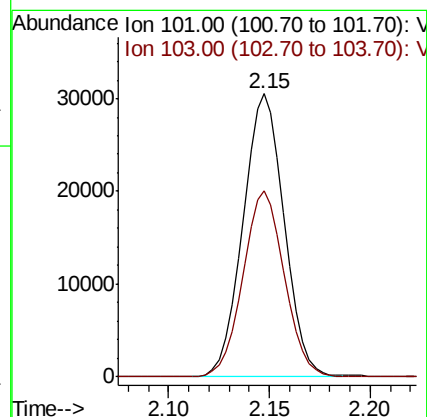
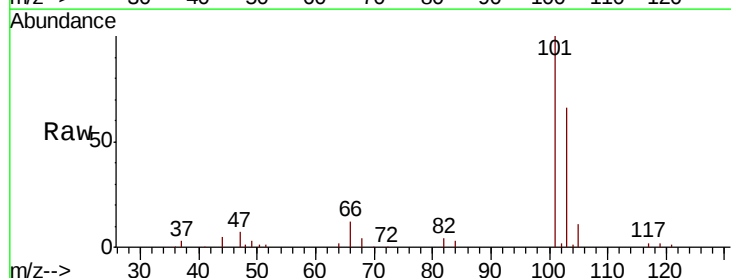
Acq: 12 Jan 2021 02:12

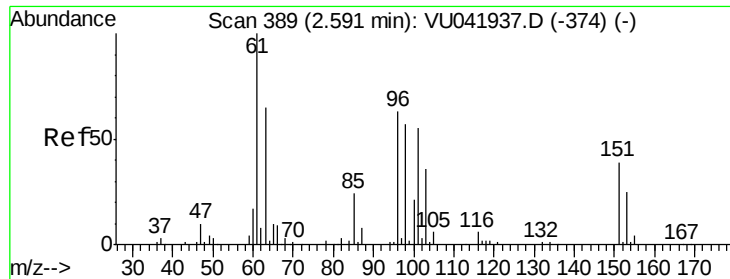
Tgt Ion:101 Resp: 43691

Ion Ratio Lower Upper

101 100

103 65.9 51.3 76.9





#10

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

Concen: 0.050 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU041947.D

Acq: 12 Jan 2021 02:12

Instrument :

MSVOA_U

ClientSampleId :

C0AQ7DL

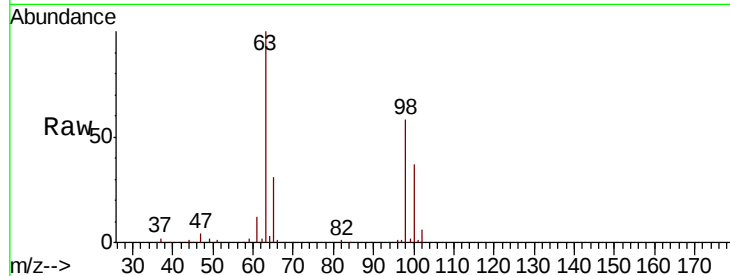
Tot Ion:101 Resp: 451

Ion Ratio Lower Upper

101 100

85 0.0 35.1 52.7#

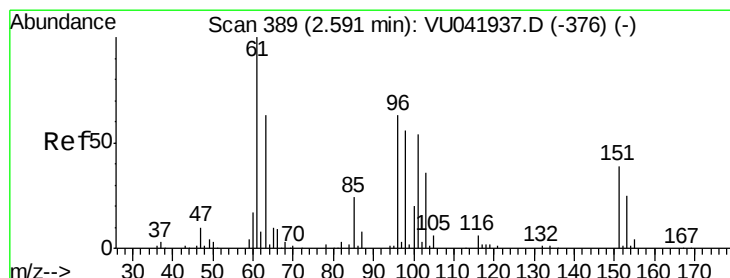
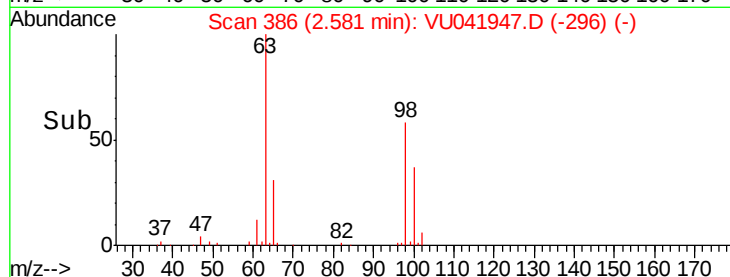
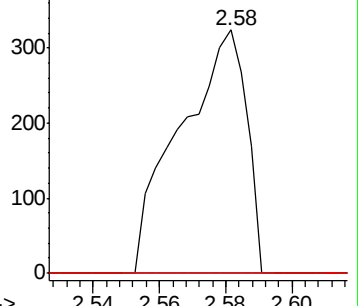
151 0.0 58.2 87.2#



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: 0.062 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.01 min

Lab File: VU041947.D

Acq: 12 Jan 2021 02:12

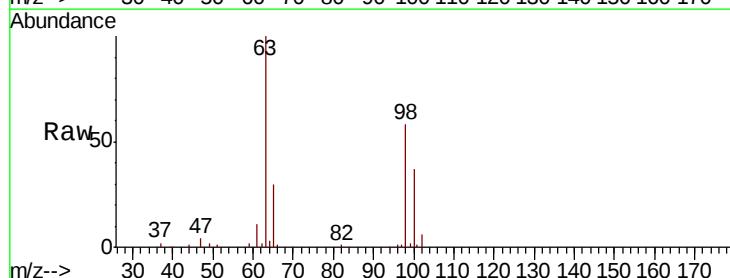
Tgt Ion: 96 Resp: 541

Ion Ratio Lower Upper

96 100

61 1477.5 123.5 229.4#

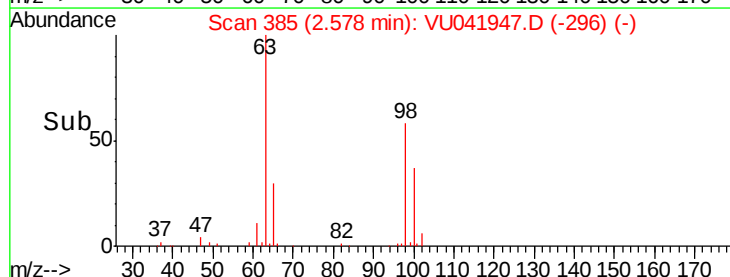
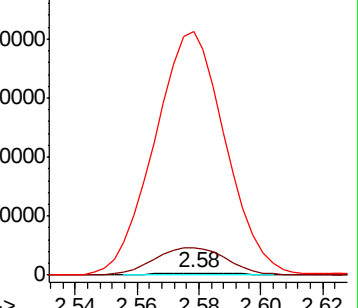
63 12887.5 93.5 173.7#

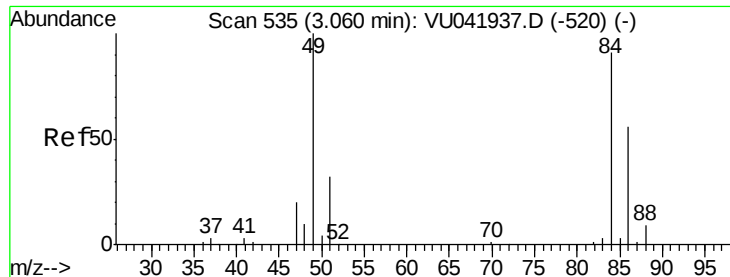


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

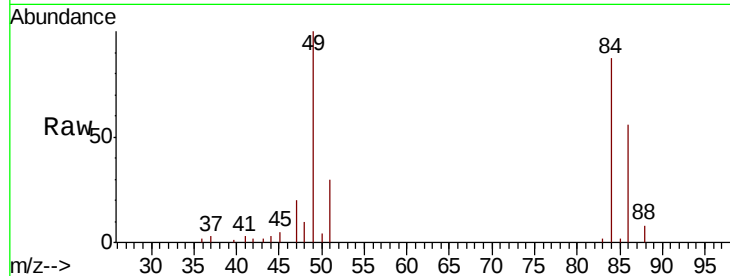




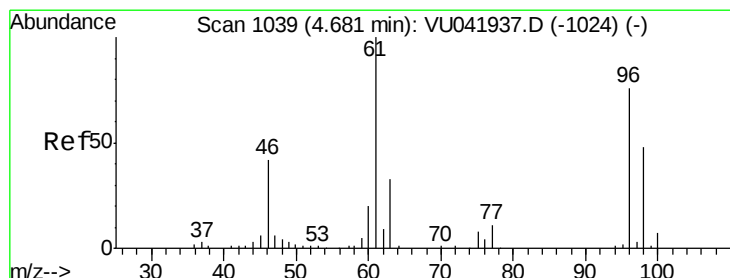
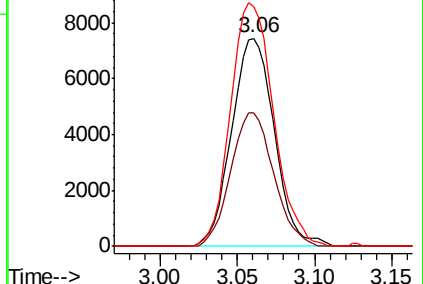
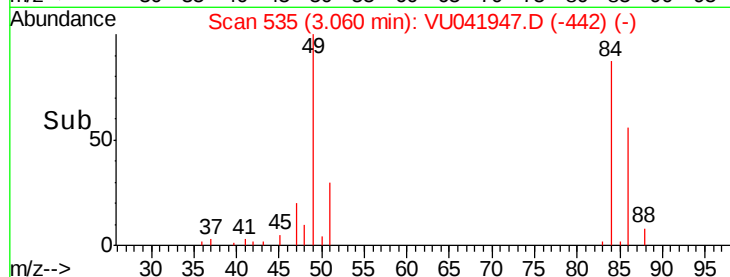
#16
Methvlene chloride
Concen: 1.294 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU041947.D
Acq: 12 Jan 2021 02:12

Instrument :
MSVOA_U
ClientSampleId :
C0AQ7DL

Tot Ion: 84 Resp: 14292
Ion Ratio Lower Upper
84 100
86 64.5 43.5 80.7
49 115.3 81.8 151.8

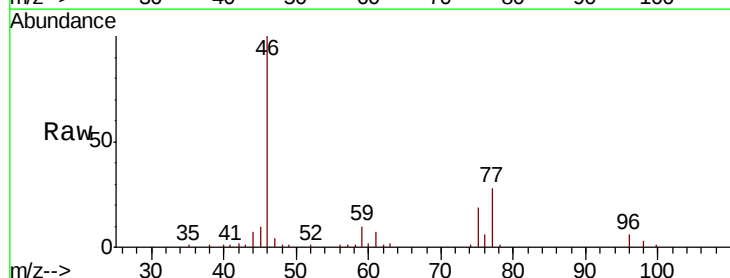


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

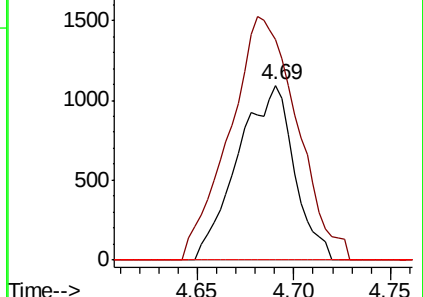
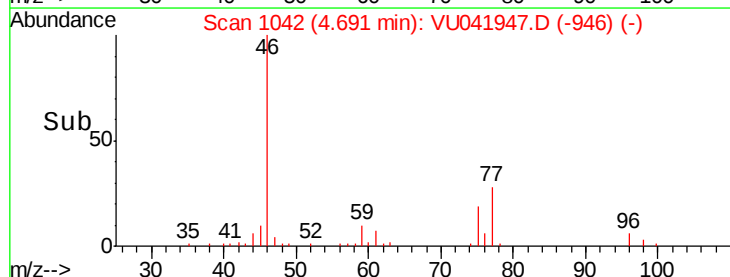


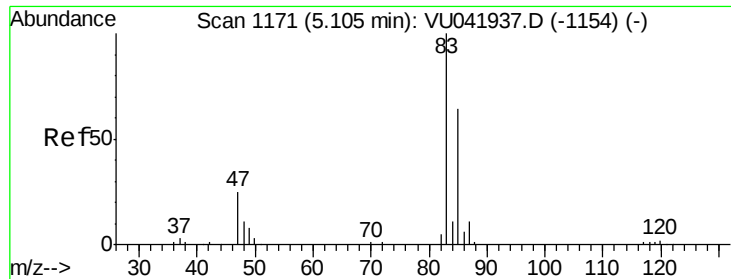
#22
cis-1,2-Dichloroethene
Concen: 0.243 ug/L
RT: 4.69 min Scan# 1042
Delta R.T. 0.01 min
Lab File: VU041947.D
Acq: 12 Jan 2021 02:12

Tgt Ion: 96 Resp: 2209
Ion Ratio Lower Upper
96 100
61 126.3 90.3 167.7
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

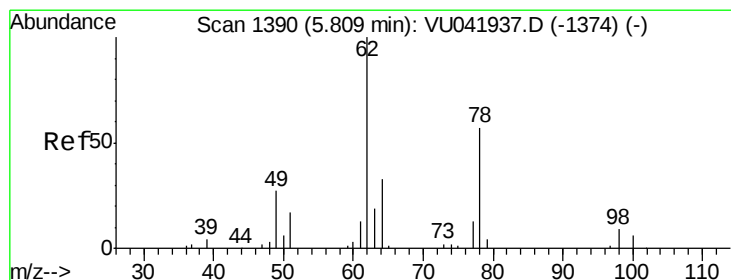
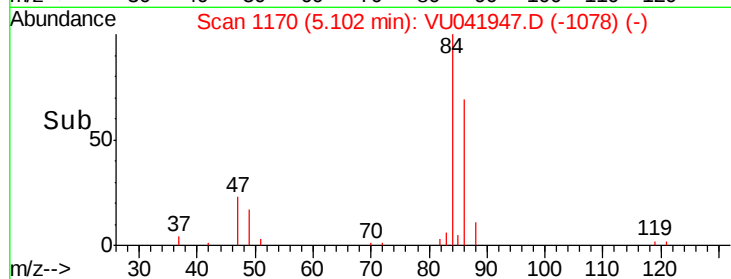
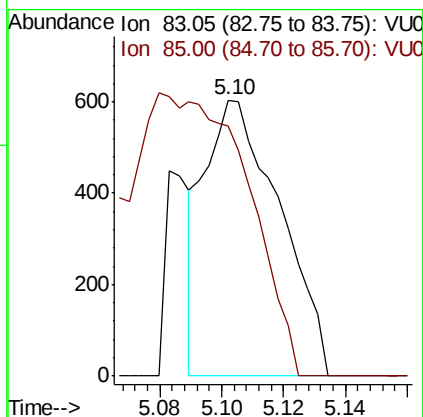
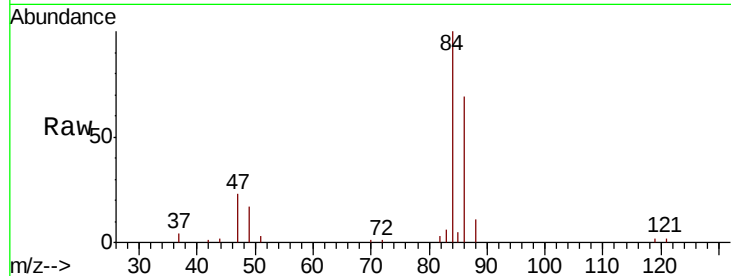




#25
Chloroform
Concen: 0.061 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VU041947.D
Acq: 12 Jan 2021 02:12

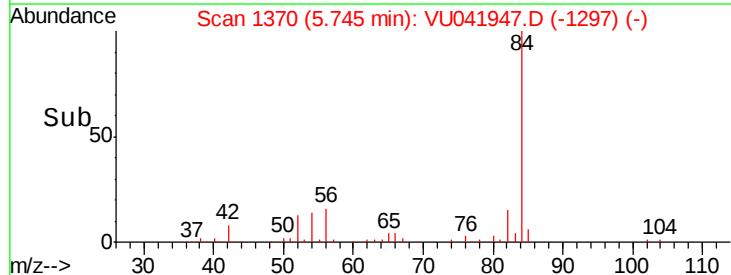
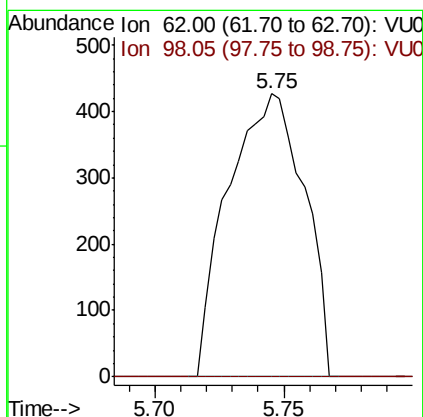
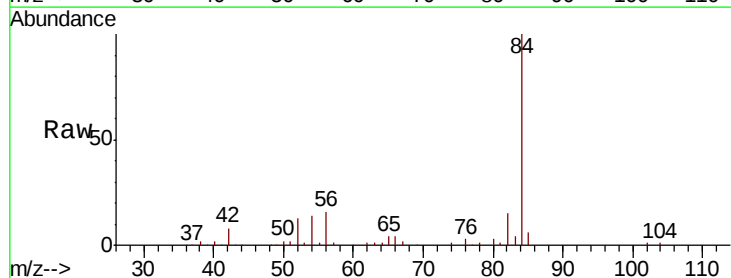
Instrument :
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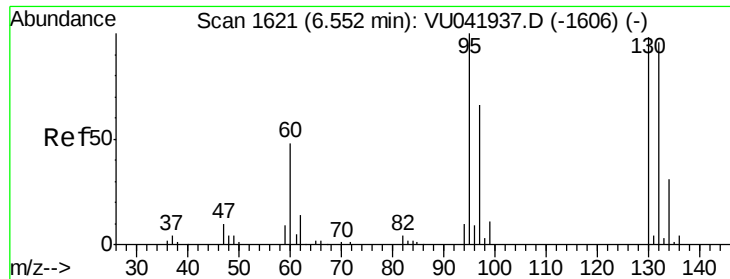
Tot Ion: 83 Resp: 1024
Ion Ratio Lower Upper
83 100
85 90.5 45.1 83.9#



#27
1,2-Dichloroethane
Concen: 0.082 ug/L
RT: 5.75 min Scan# 1370
Delta R.T. -0.06 min
Lab File: VU041947.D
Acq: 12 Jan 2021 02:12

Tgt Ion: 62 Resp: 877
Ion Ratio Lower Upper
62 100
98 0.0 7.8 11.8#





#34

Trichloroethene

Concen: 6.665 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VU041947.D

Acq: 12 Jan 2021 02:12

Instrument :

MSVOA_U

ClientSampleId :

C0AQ7DL

Tot Ion: 95 Resp: 62713

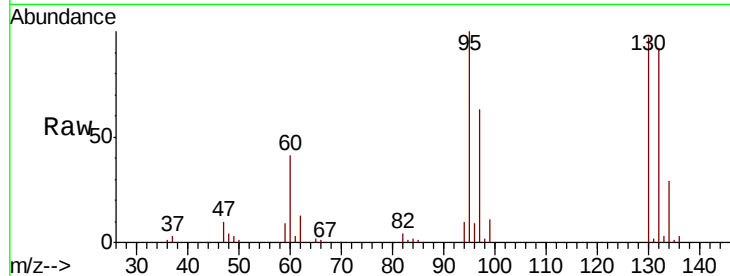
Ion Ratio Lower Upper

95 100

97 62.8 45.2 84.0

132 91.6 68.7 127.5

130 97.1 68.0 126.4

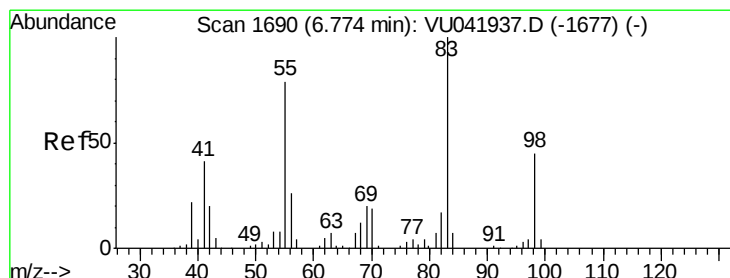
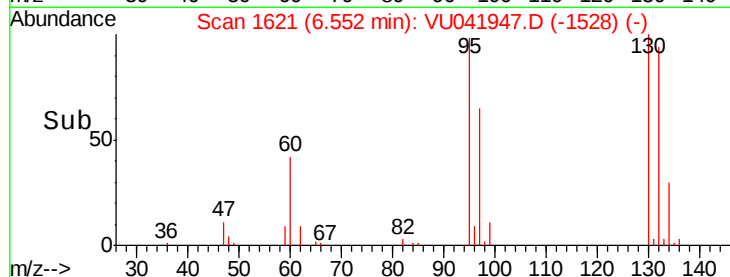
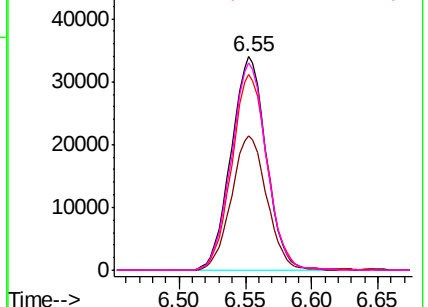


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.808 ug/L

RT: 6.70 min Scan# 1667

Delta R.T. -0.07 min

Lab File: VU041947.D

Acq: 12 Jan 2021 02:12

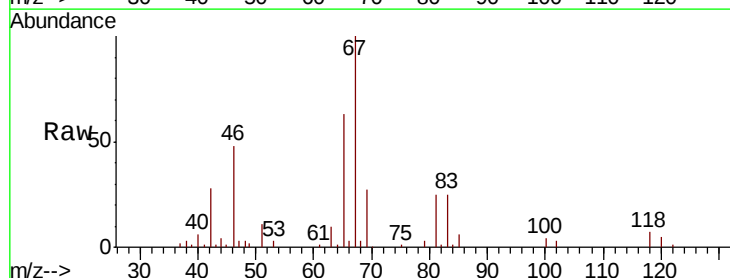
Tgt Ion: 83 Resp: 11169

Ion Ratio Lower Upper

83 100

55 0.0 64.3 96.5#

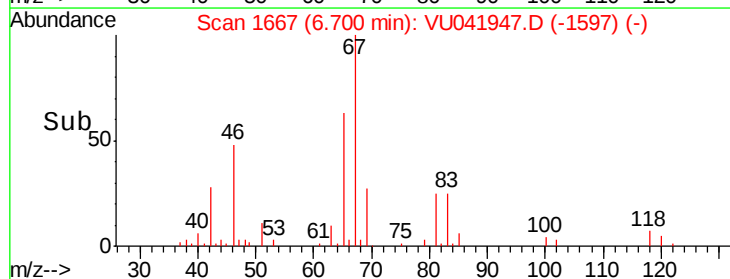
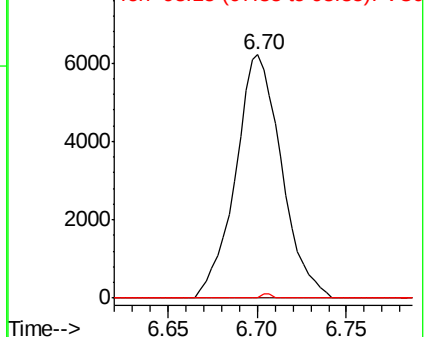
98 0.0 36.6 54.8#

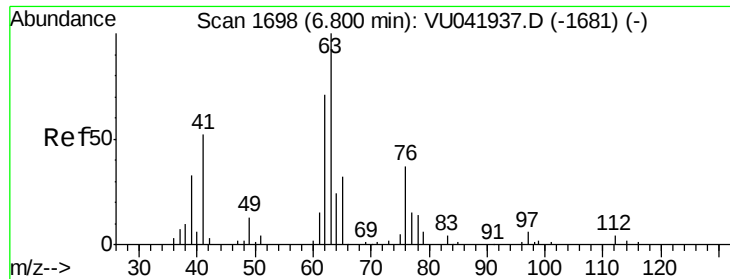


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

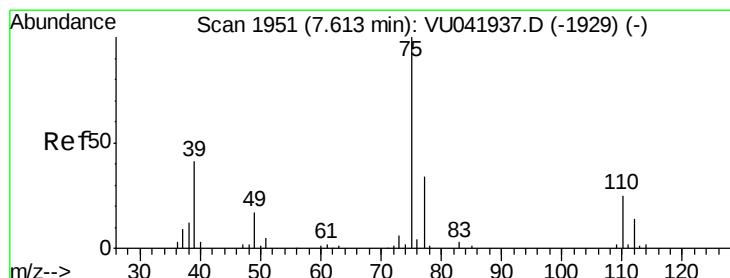
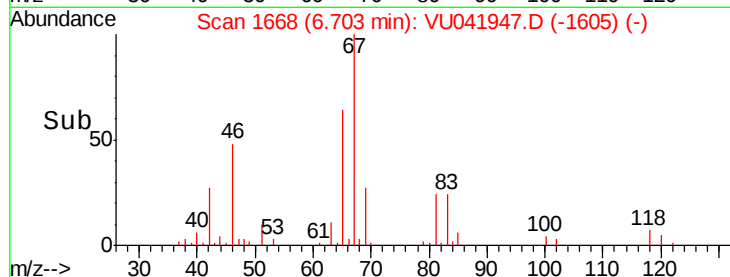
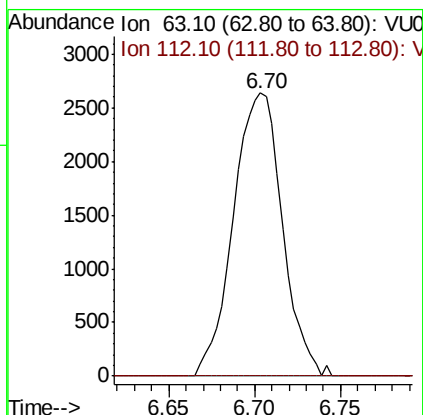
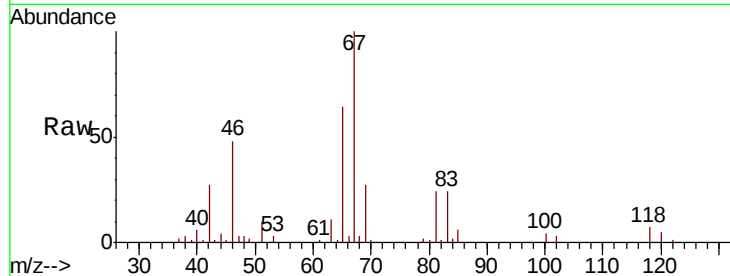




#37
 1,2-Dichloropropane
 Concen: 0.583 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU041947.D
 Acq: 12 Jan 2021 02:12

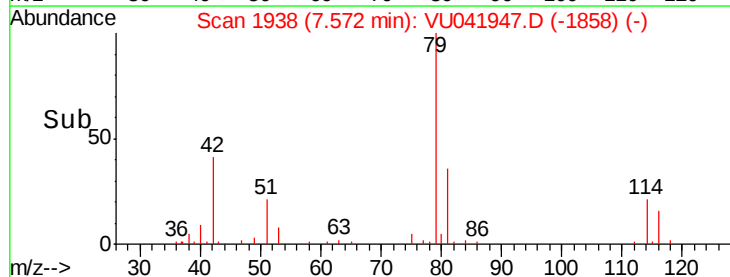
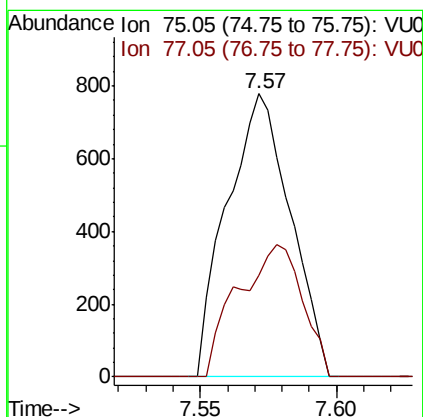
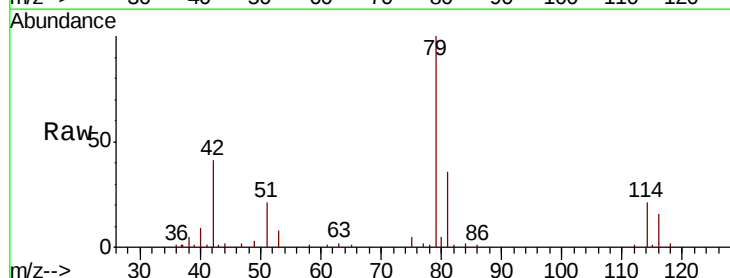
Instrument :
 MSVOA_U
 ClientSampleId :
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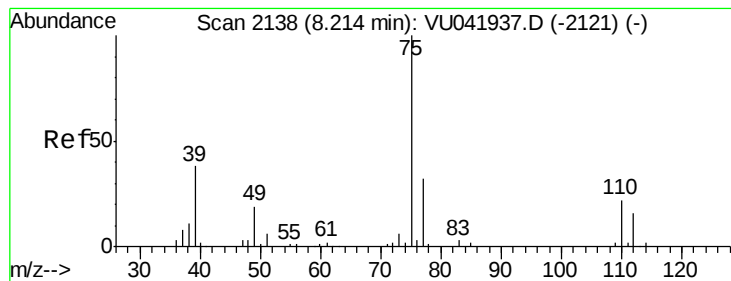
Tot Ion: 63 Resp: 5207
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.3 4.9#



#39
 cis-1,3-Dichloropropene
 Concen: 0.095 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.04 min
 Lab File: VU041947.D
 Acq: 12 Jan 2021 02:12

Tgt Ion: 75 Resp: 1254
 Ion Ratio Lower Upper
 75 100
 77 35.9 21.5 39.9





#44

trans-1,3-Dichloropropene

Concen: 0.059 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU041947.D

Acq: 12 Jan 2021 02:12

Instrument :

MSVOA_U

ClientSampleId :

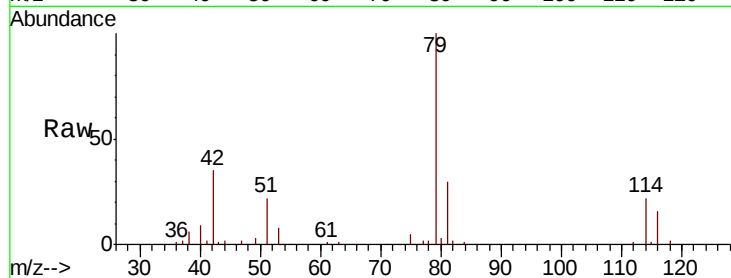
C0AQ7DL

Tot Ion: 75 Resp: 690

Ion Ratio Lower Upper

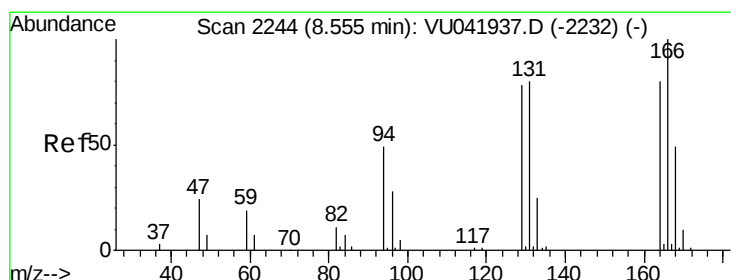
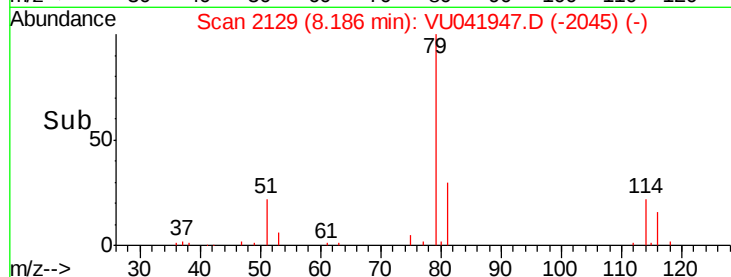
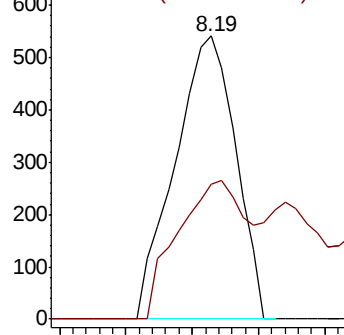
75 100

77 47.7 23.7 44.1#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#47

Tetrachloroethene

Concen: 8.400 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU041947.D

Acq: 12 Jan 2021 02:12

Tgt Ion:164 Resp: 54997

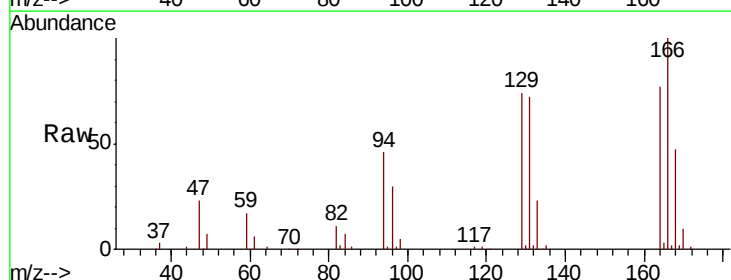
Ion Ratio Lower Upper

164 100

129 96.1 69.2 128.6

131 93.4 69.7 129.5

166 129.5 89.2 165.8

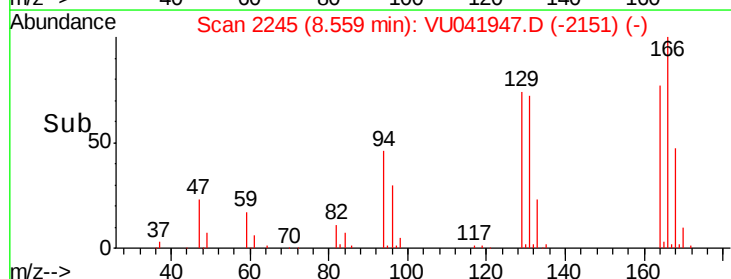
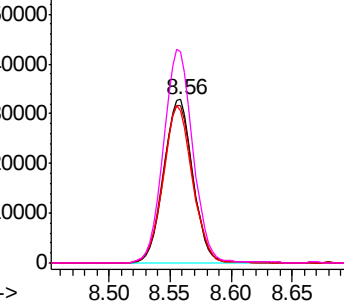


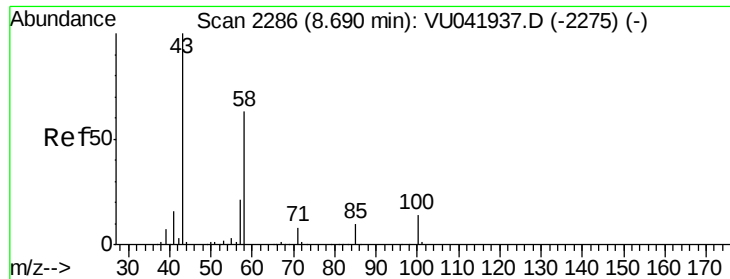
Abundance Ion 163.90 (163.60 to 164.60): V

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

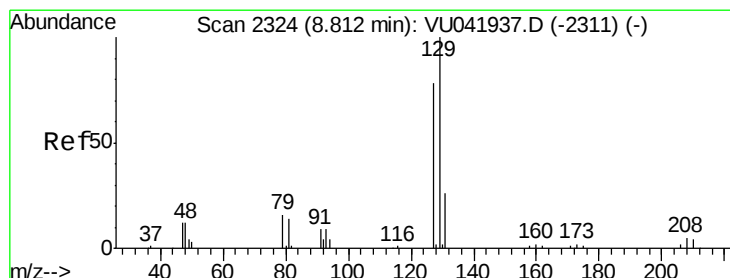
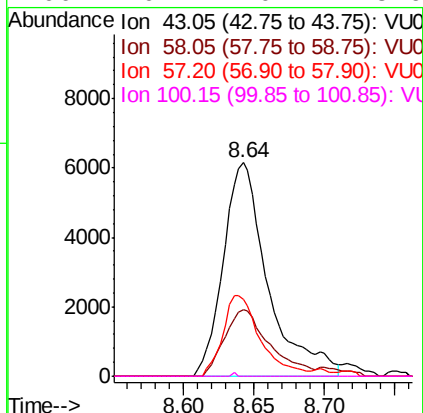
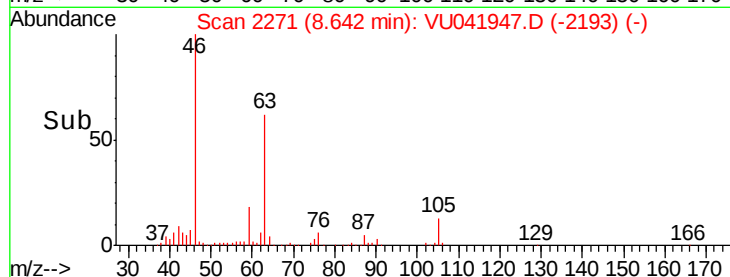
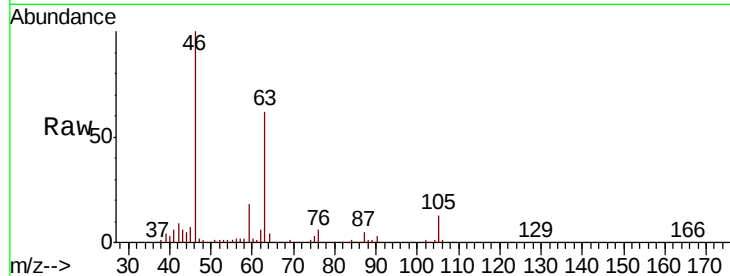




#48
2-Hexanone
Concen: 3.257 ug/L
RT: 8.64 min Scan# 2271
Delta R.T. -0.05 min
Lab File: VU041947.D
Acq: 12 Jan 2021 02:12

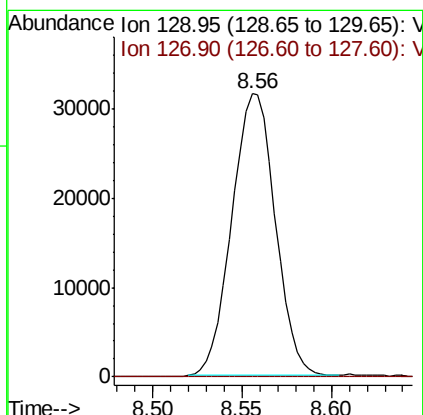
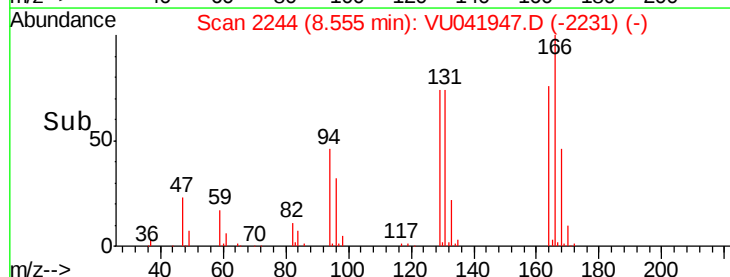
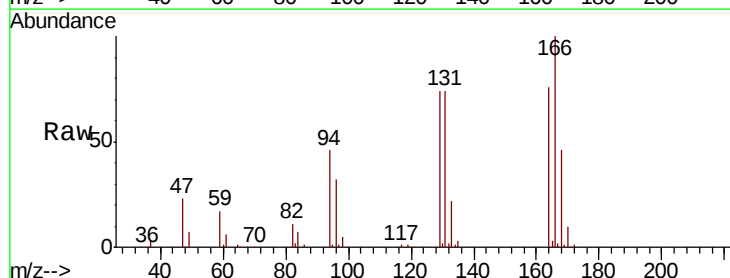
Instrument :
MSVOA_U
ClientSampleId :
C0AQ7DL

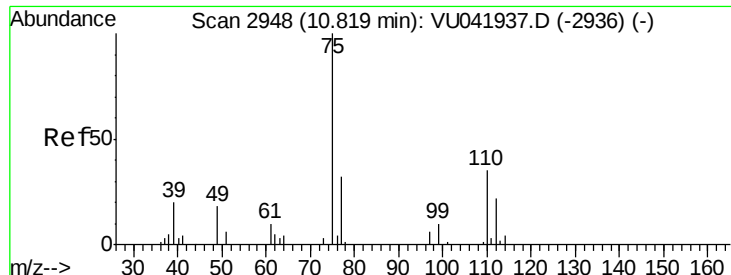
Tot Ion: 43 Resp: 13626
Ion Ratio Lower Upper
43 100
58 31.6 47.6 71.4#
57 31.8 17.1 25.7#
100 0.2 10.4 15.6#



#49
Dibromochloromethane
Concen: 6.432 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. -0.26 min
Lab File: VU041947.D
Acq: 12 Jan 2021 02:12

Tgt Ion: 129 Resp: 53648
Ion Ratio Lower Upper
129 100
127 0.0 54.9 101.9#





#59

1,2,3-Trichloropropane

Concen: 0.829 ug/L

RT: 11.81 min Scan# 3257

Delta R.T. 0.99 min

Lab File: VU041947.D

Acq: 12 Jan 2021 02:12

Instrument :

MSVOA_U

ClientSampleId :

C0AQ7DL

Tot Ion: 75 Resp: 5411

Ion Ratio Lower Upper

75 100

77 32.3 27.0 40.4

