

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011121\
 Data File : VU041946.D
 Acq On : 12 Jan 2021 01:48
 Operator : SY/MD
 Sample : M1049-04DL 10X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AQ6DL

Quant Time: Jan 12 05:52:29 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	108533	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	107641	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	45906	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	45749	5.00	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.00%
7) Chloroethane-d5	1.92	69	44526	5.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.20%
11) 1,1-Dichloroethene-d2	2.58	63	67521	3.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.80%
20) 2-Butanone-d5	4.66	46	144295	56.76	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.52%
24) Chloroform-d	5.08	84	85879	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.00%
26) 1,2-Dichloroethane-d4	5.72	65	49584	5.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.80%
32) Benzene-d6	5.74	84	163436	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.80%
36) 1,2-Dichloropropane-d6	6.70	67	53195	5.32	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.40%
41) Toluene-d8	7.90	98	138684	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.20%
43) trans-1,3-Dichloropropene-	8.19	79	21037	5.04	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.80%
46) 2-Hexanone-d5	8.64	63	126879	60.14	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	120.28%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	49564	5.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	112.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	50199	5.78	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	115.60%

Target Compounds

					Ovalue
3) Chloromethane	1.52	50	616	0.054 ug/L	93
8) Chloroethane	1.95	64	374	0.049 ug/L #	43
9) Trichlorofluoromethane	2.15	101	35695	2.231 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	493	0.057 ug/L #	20
12) 1,1-Dichloroethene	2.58	96	474	0.056 ug/L #	1
16) Methylene chloride	3.06	84	12590	1.182 ug/L	96
25) Chloroform	5.10	83	838	0.052 ug/L #	67
27) 1,2-Dichloroethane	5.75	62	918	0.089 ug/L #	73
34) Trichloroethene	6.55	95	21100	2.317 ug/L	95
35) Methylcyclohexane	6.70	83	12152	0.908 ug/L #	18
37) 1,2-Dichloropropane	6.70	63	5759	0.666 ug/L #	88
39) cis-1,3-Dichloropropene	7.56	75	1198	0.094 ug/L #	77
44) trans-1,3-Dichloropropene	8.18	75	726	0.064 ug/L #	56
45) 1,1,2-Trichloroethane	8.55	97	387	0.058 ug/L #	11
47) Tetrachloroethene	8.56	164	48919	7.720 ug/L	97
48) 2-Hexanone	8.64	43	13451	3.322 ug/L #	68
49) Dibromochloromethane	8.56	129	46871	5.807 ug/L #	10

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QLast Update : Tue Jan 12 05:50:11 2021
Response via : Initial Calibration

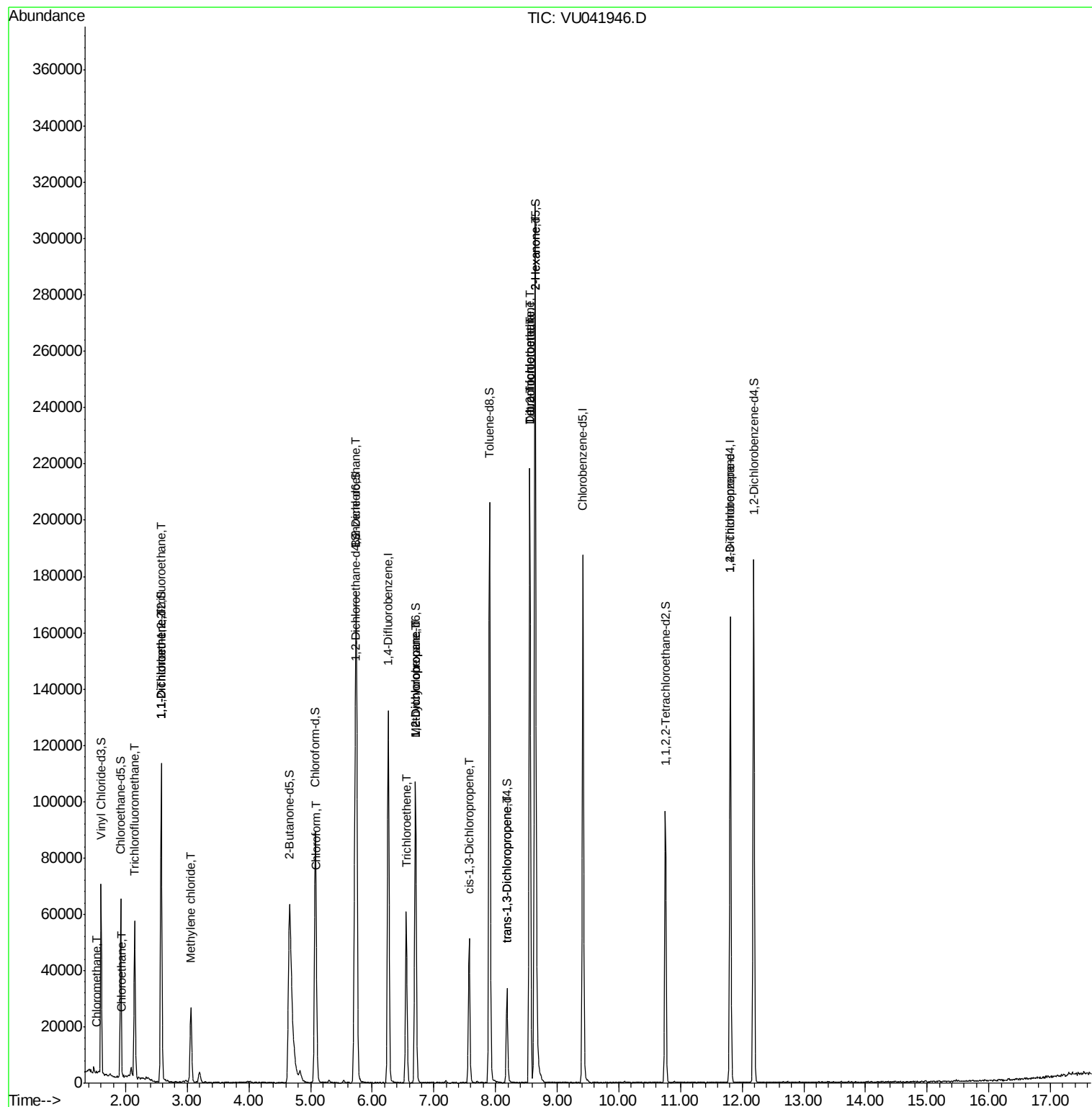
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	11.81	75	5131	0.812	ug/L	96

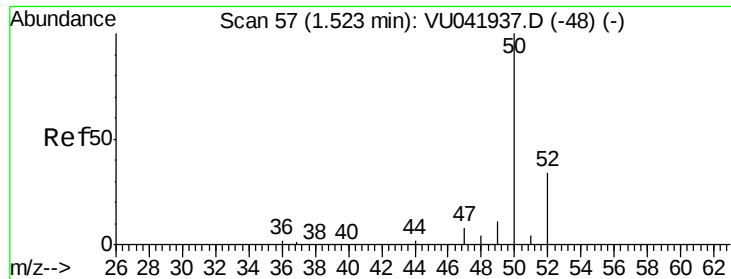
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.054 ug/L

RT: 1.52 min Scan# 57

Delta R.T. 0.00 min

Lab File: VU041946.D

Acq: 12 Jan 2021 01:48

Instrument :

MSVOA_U

ClientSampleId :

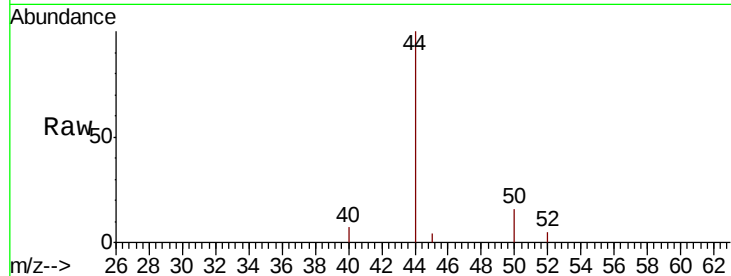
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Tot Ion: 50 Resp: 616

Ion Ratio Lower Upper

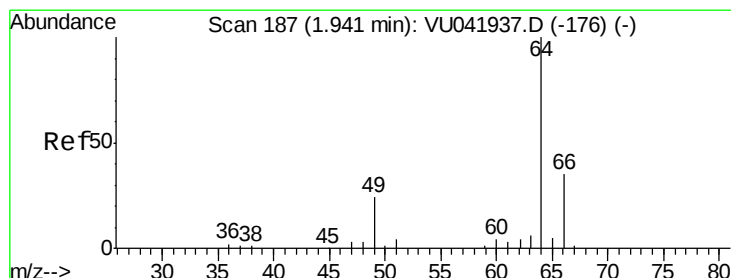
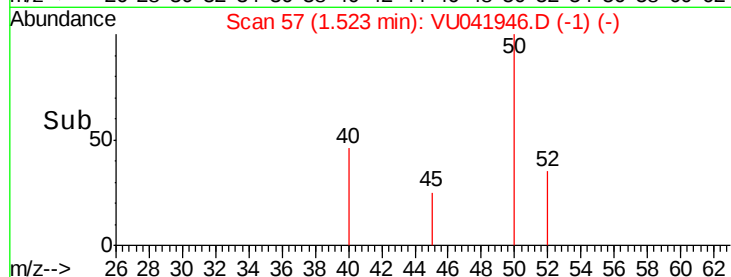
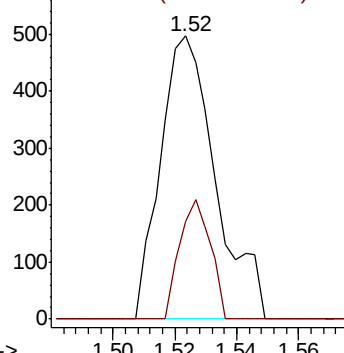
50 100

52 34.6 21.4 39.8



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#8

Chloroethane

Concen: 0.049 ug/L

RT: 1.95 min Scan# 189

Delta R.T. 0.01 min

Lab File: VU041946.D

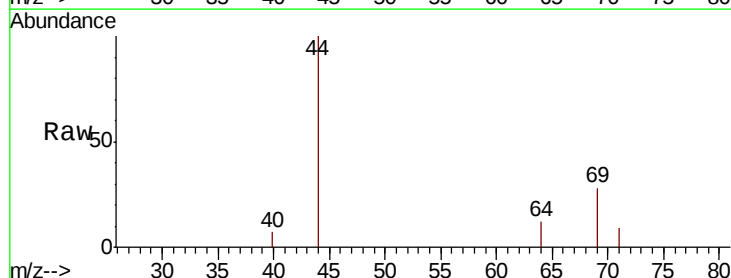
Acq: 12 Jan 2021 01:48

Tgt Ion: 64 Resp: 374

Ion Ratio Lower Upper

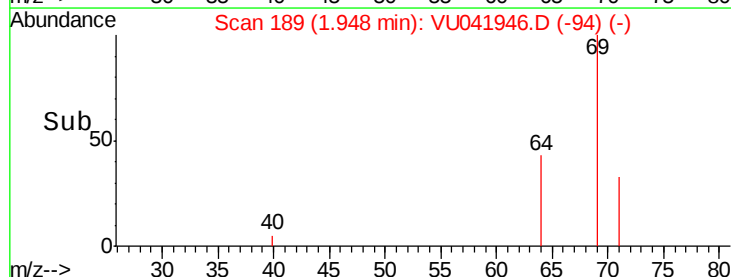
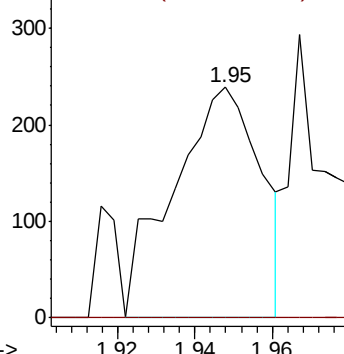
64 100

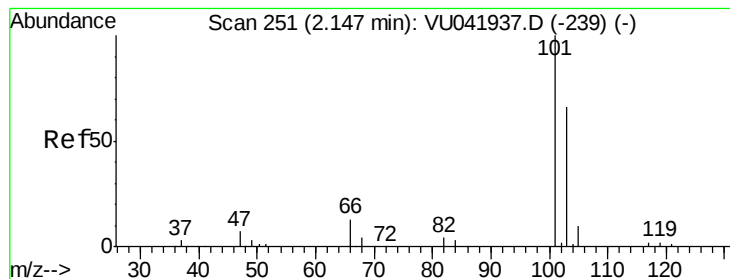
66 0.0 22.1 41.1#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0





#9

Trichlorofluoromethane

Concen: 2.231 ug/L

RT: 2.15 min Scan# 251

Delta R.T. 0.00 min

Lab File: VU041946.D

Acq: 12 Jan 2021 01:48

Instrument :

MSVOA_U

ClientSampleId :

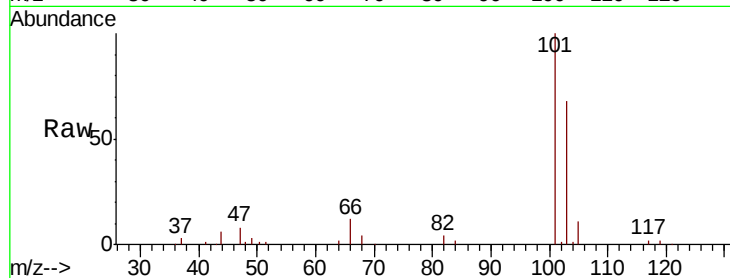
C0AQ6DL

Tot Ion:101 Resp: 35695

Ion Ratio Lower Upper

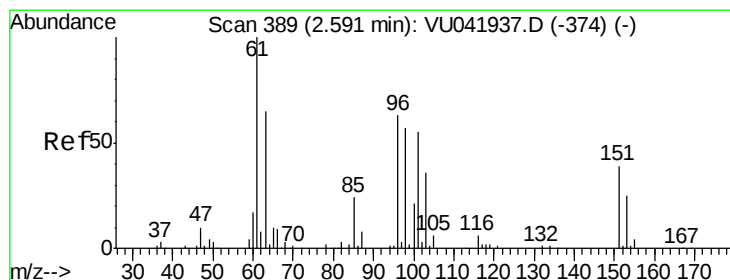
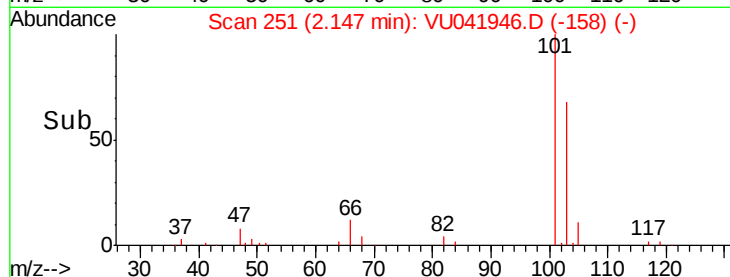
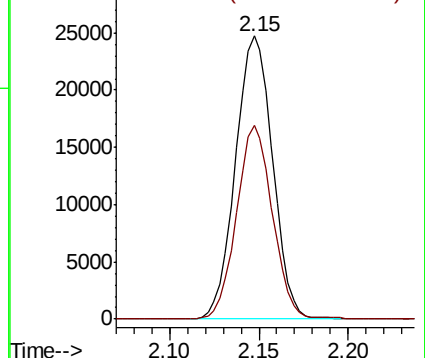
101 100

103 66.2 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#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: VU041946.D

Acq: 12 Jan 2021 01:48

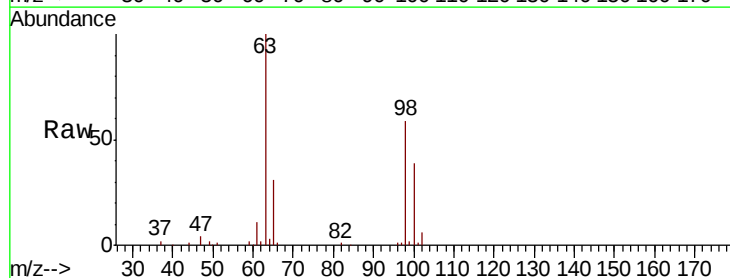
Tgt Ion:101 Resp: 493

Ion Ratio Lower Upper

101 100

85 0.0 35.1 52.7#

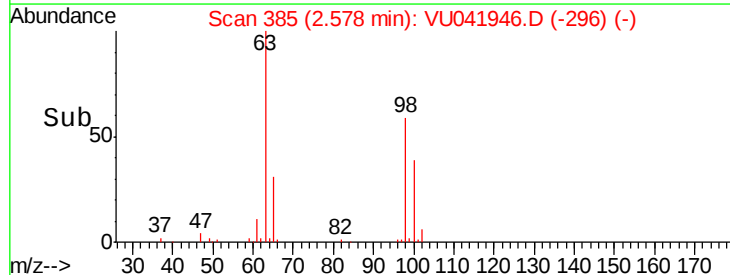
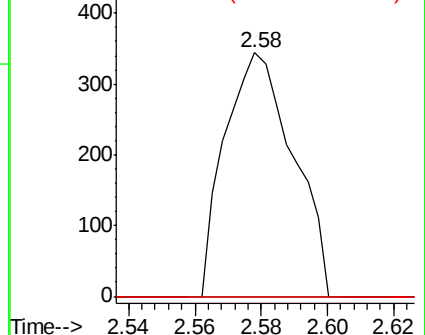
151 0.0 58.2 87.2#

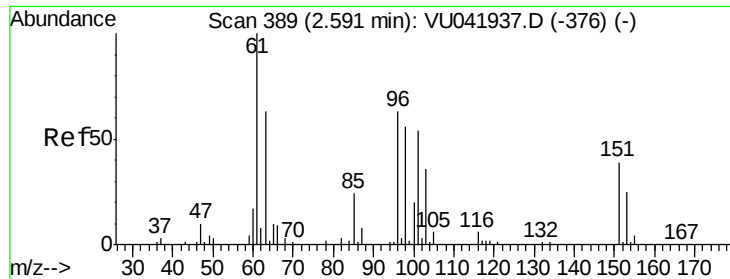


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V

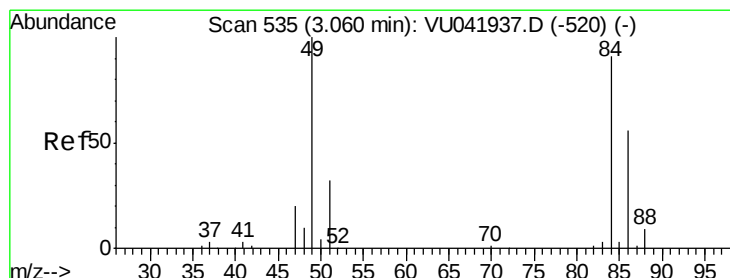
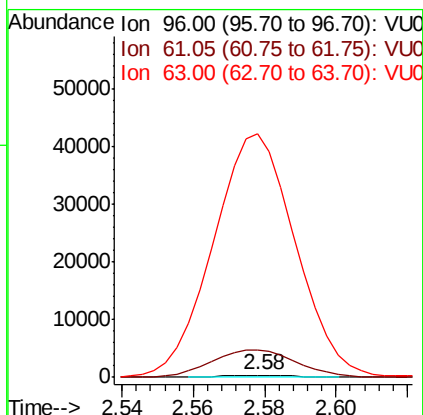
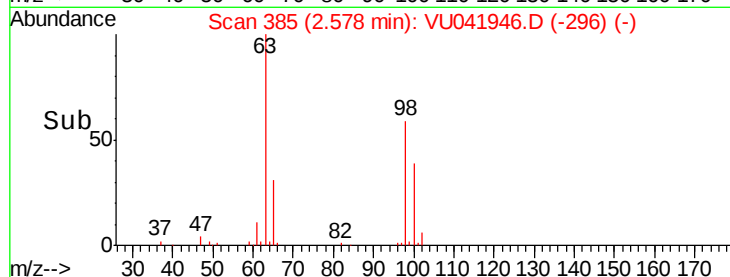
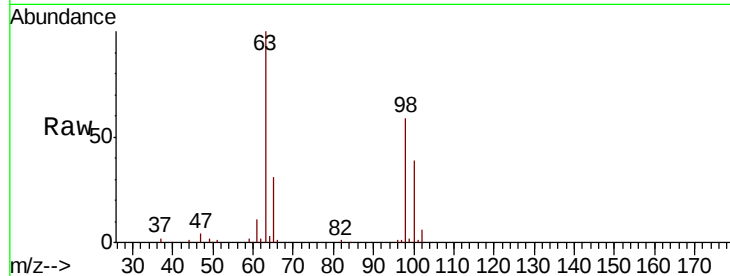




#12
 1,1-Dichloroethene
 Concen: 0.056 ug/L
 RT: 2.58 min Scan# 385
 Delta R.T. -0.01 min
 Lab File: VU041946.D
 Acq: 12 Jan 2021 01:48

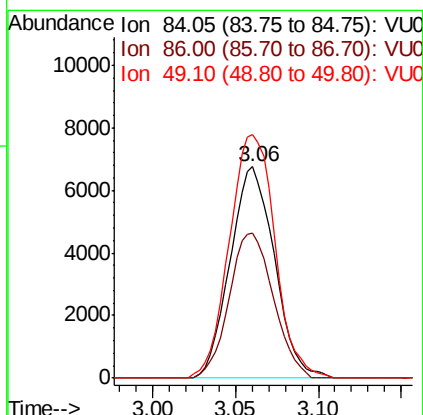
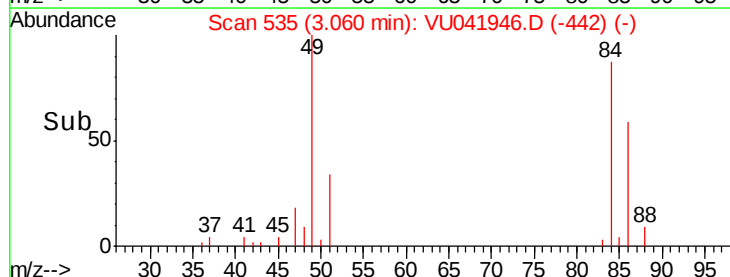
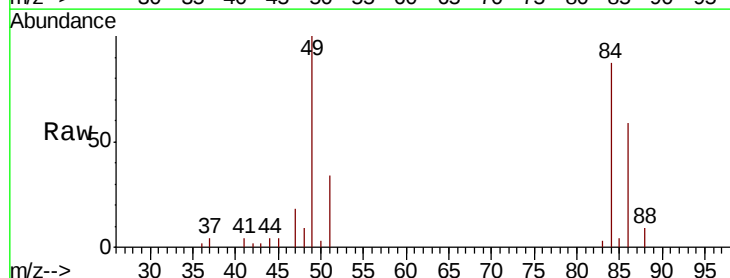
Instrument :
 MSVOA_U
 ClientSampleId :
 C0AQ6DL

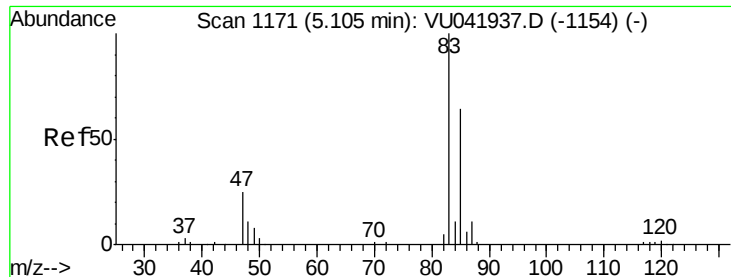
Tot Ion: 96 Resp: 474
 Ion Ratio Lower Upper
 96 100
 61 1243.9 123.5 229.4#
 63 11283.4 93.5 173.7#



#16
 Methylene chloride
 Concen: 1.182 ug/L
 RT: 3.06 min Scan# 535
 Delta R.T. 0.00 min
 Lab File: VU041946.D
 Acq: 12 Jan 2021 01:48

Tgt Ion: 84 Resp: 12590
 Ion Ratio Lower Upper
 84 100
 86 68.6 43.5 80.7
 49 115.4 81.8 151.8

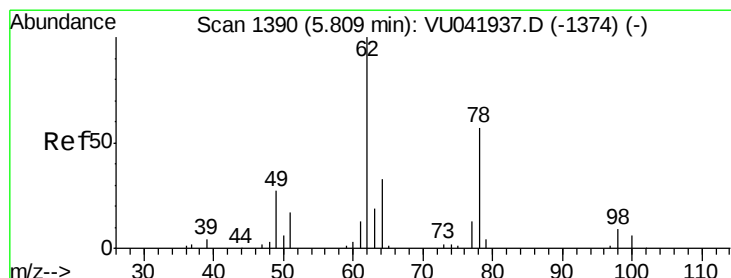
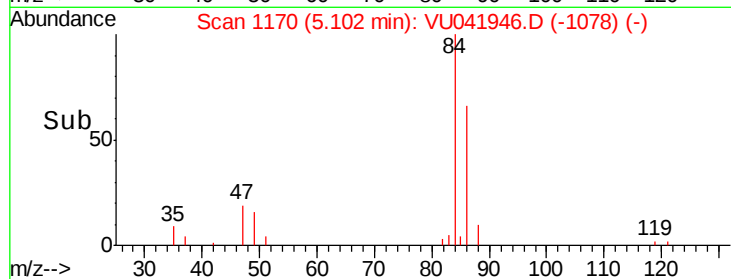
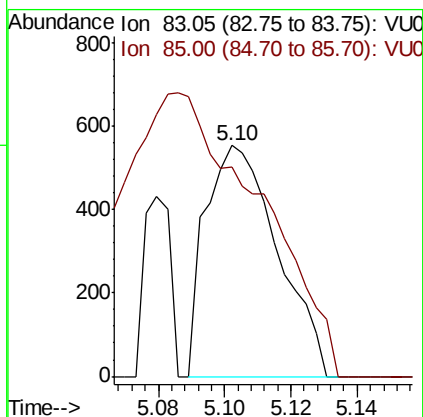
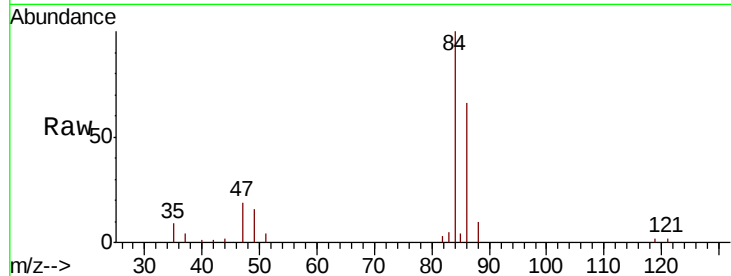




#25
Chloroform
Concen: 0.052 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VU041946.D
Acq: 12 Jan 2021 01:48

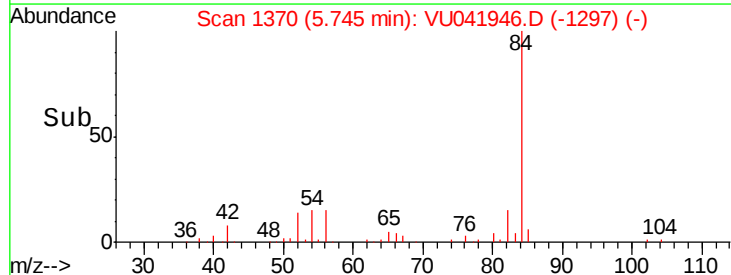
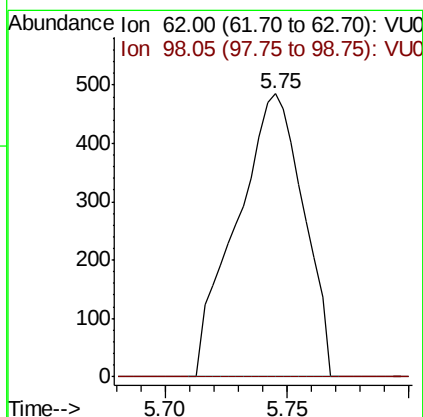
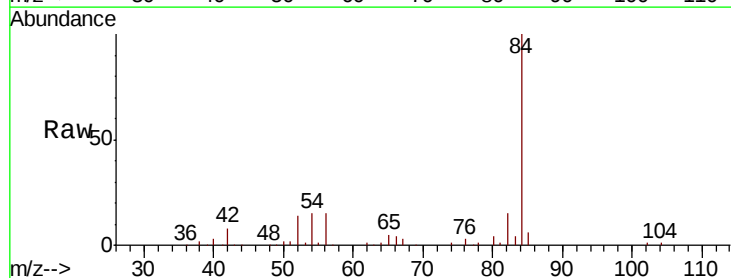
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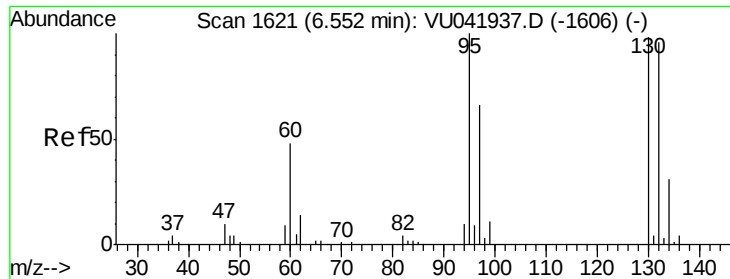
Tot Ion: 83 Resp: 838
Ion Ratio Lower Upper
83 100
85 90.6 45.1 83.9#



#27
1,2-Dichloroethane
Concen: 0.089 ug/L
RT: 5.75 min Scan# 1370
Delta R.T. -0.06 min
Lab File: VU041946.D
Acq: 12 Jan 2021 01:48

Tgt Ion: 62 Resp: 918
Ion Ratio Lower Upper
62 100
98 0.0 7.8 11.8#

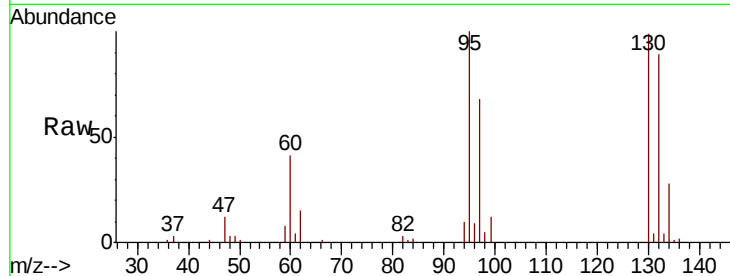




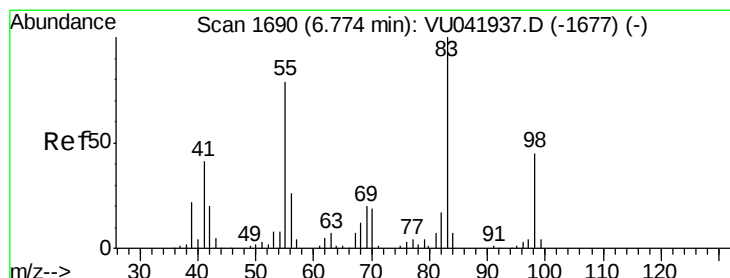
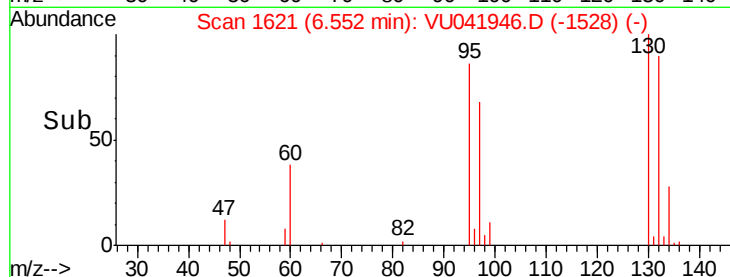
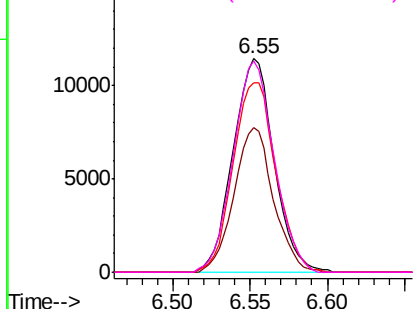
#34
 Trichloroethene
 Concen: 2.317 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: VU041946.D
 Acq: 12 Jan 2021 01:48

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AQ6DL

Tot Ion: 95 Resp: 21100
 Ion Ratio Lower Upper
 95 100
 97 67.8 45.2 84.0
 132 88.8 68.7 127.5
 130 99.2 68.0 126.4

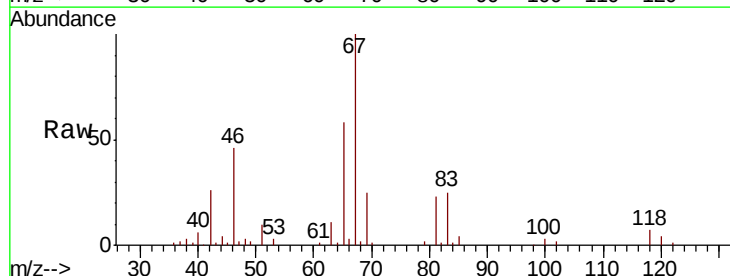


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

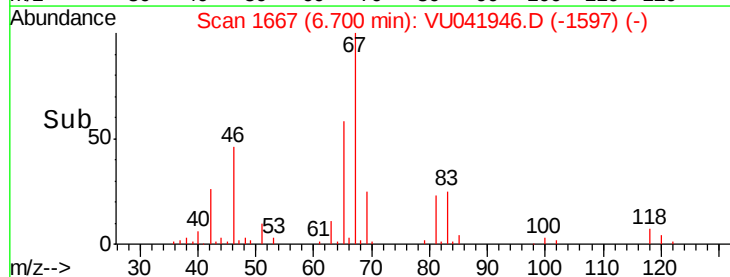
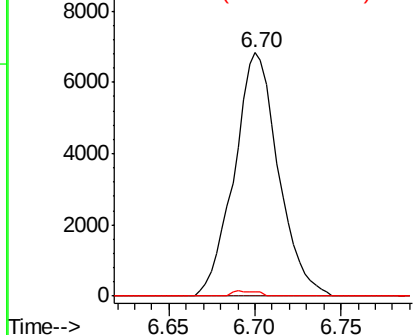


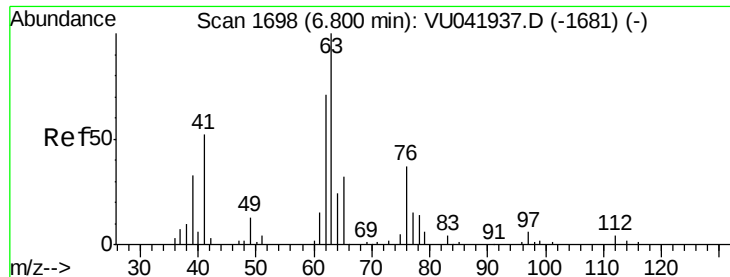
#35
 Methylcyclohexane
 Concen: 0.908 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.07 min
 Lab File: VU041946.D
 Acq: 12 Jan 2021 01:48

Tgt Ion: 83 Resp: 12152
 Ion Ratio Lower Upper
 83 100
 55 0.0 64.3 96.5#
 98 1.2 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

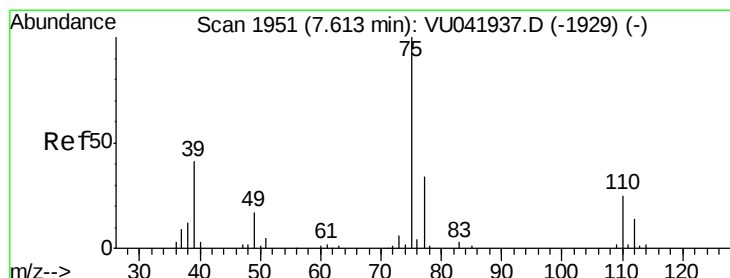
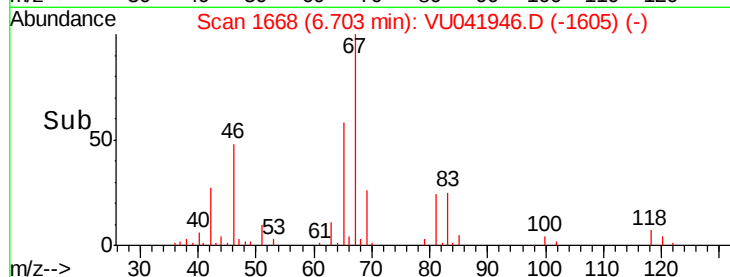
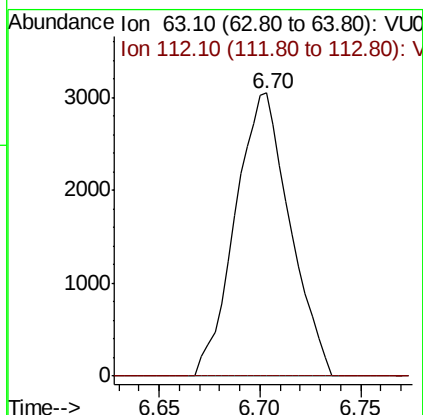
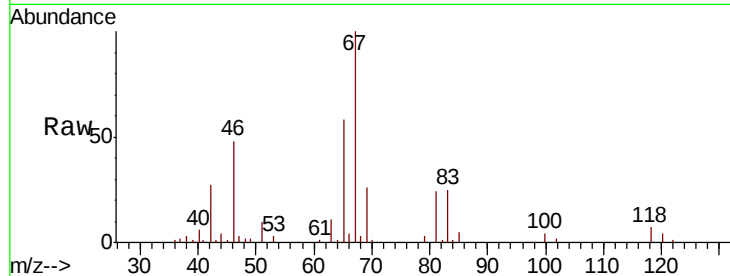




#37
 1,2-Dichloropropane
 Concen: 0.666 ug/L
 RT: 6.70 min Scan# 1668
 Delta R.T. -0.10 min
 Lab File: VU041946.D
 Acq: 12 Jan 2021 01:48

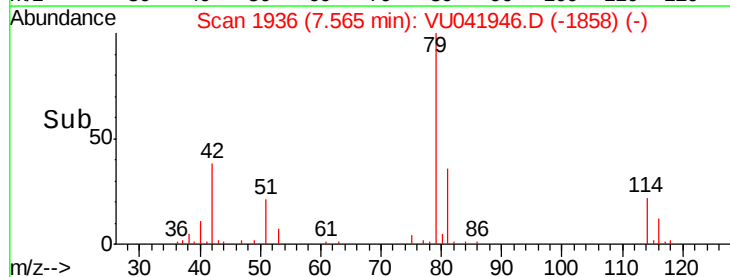
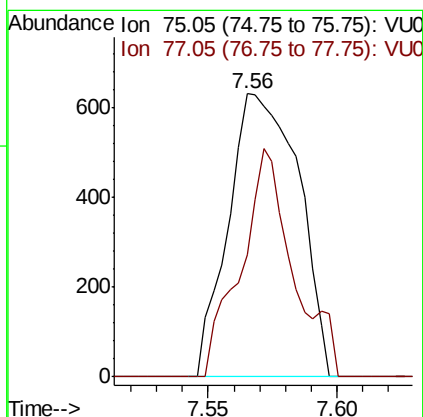
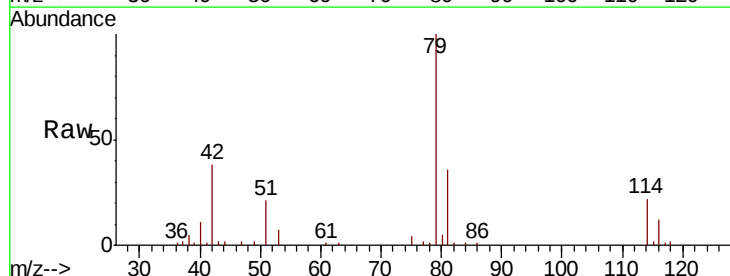
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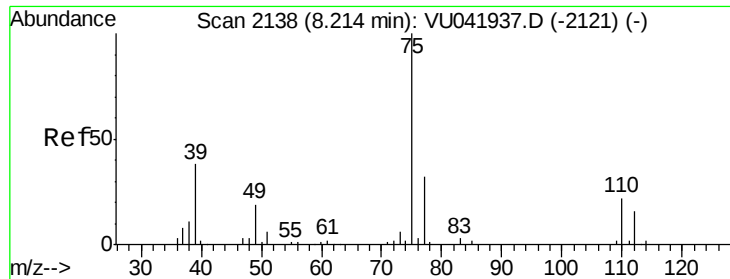
Tot Ion: 63 Resp: 5759
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.3 4.9#



#39
 cis-1,3-Dichloropropene
 Concen: 0.094 ug/L
 RT: 7.56 min Scan# 1936
 Delta R.T. -0.05 min
 Lab File: VU041946.D
 Acq: 12 Jan 2021 01:48

Tgt Ion: 75 Resp: 1198
 Ion Ratio Lower Upper
 75 100
 77 43.3 21.5 39.9#





#44

trans-1,3-Dichloropropene

Concen: 0.064 ug/L

RT: 8.18 min Scan# 2128

Delta R.T. -0.03 min

Lab File: VU041946.D

Acq: 12 Jan 2021 01:48

Instrument :

MSVOA_U

ClientSampled :

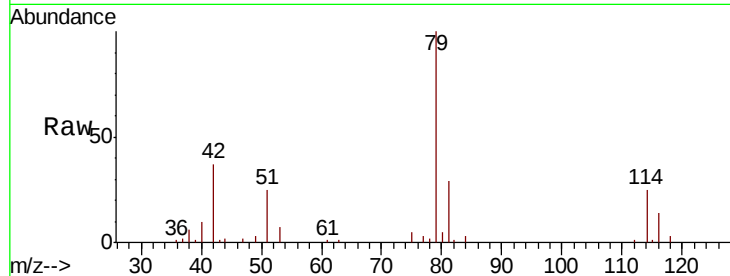
C0AQ6DL

Tot Ion: 75 Resp: 726

Ion Ratio Lower Upper

75 100

77 59.3 23.7 44.1#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

8.18

500

400

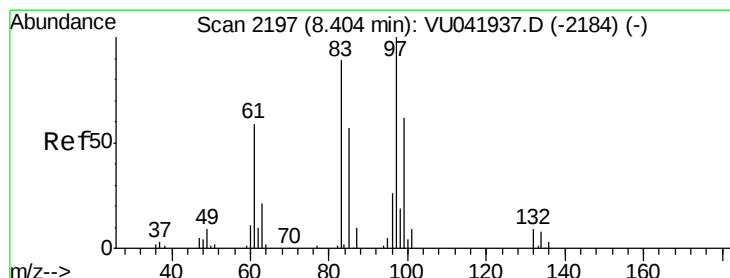
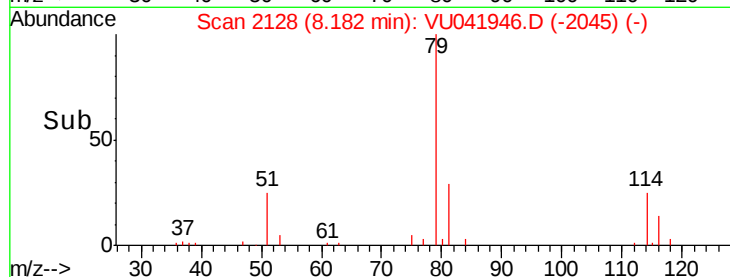
300

200

100

0

Time--> 8.14 8.16 8.18 8.20 8.22



#45

1,1,2-Trichloroethane

Concen: 0.058 ug/L

RT: 8.55 min Scan# 2243

Delta R.T. 0.15 min

Lab File: VU041946.D

Acq: 12 Jan 2021 01:48

Tgt Ion: 97 Resp: 387

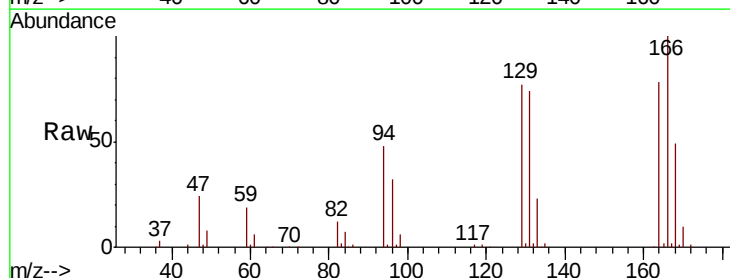
Ion Ratio Lower Upper

97 100

99 0.0 45.1 83.9#

83 210.2 63.3 117.7#

85 30.6 39.2 72.8#



Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

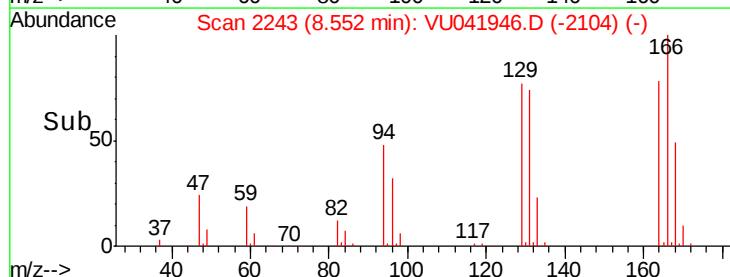
1500

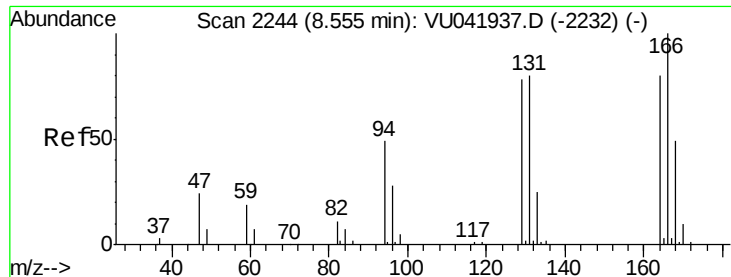
1000

500

0

Time--> 8.52 8.54 8.56 8.58

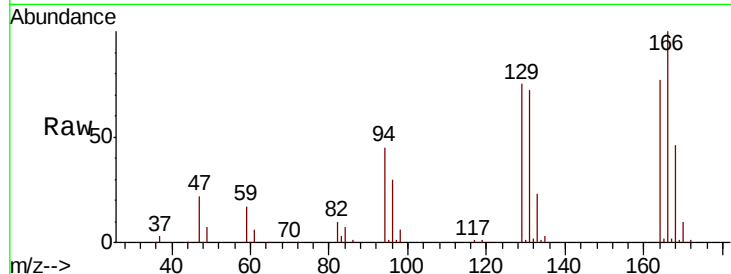




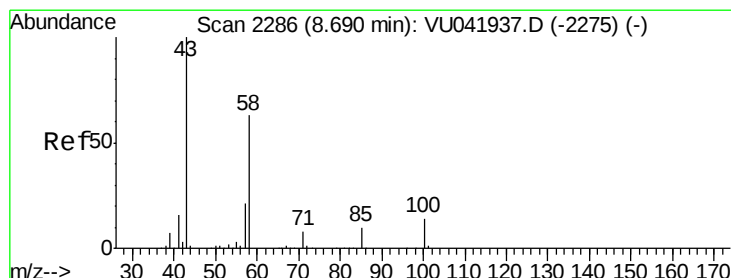
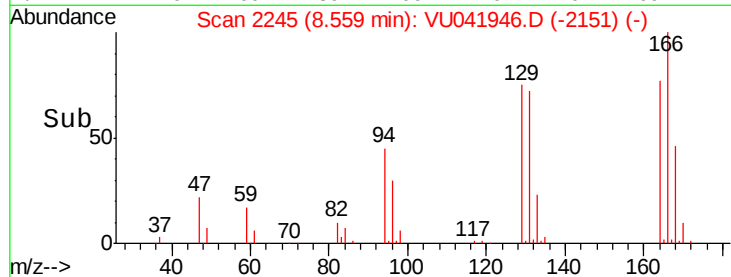
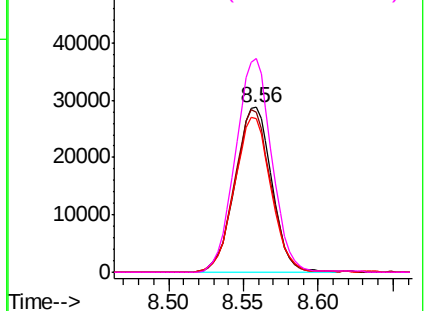
#47
Tetrachloroethene
Concen: 7.720 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VU041946.D
Acq: 12 Jan 2021 01:48

Instrument :
MSVOA_U
ClientSampled :
C0AQ6DL

Tot Ion:164 Resp: 48919
Ion Ratio Lower Upper
164 100
129 96.7 69.2 128.6
131 93.0 69.7 129.5
166 129.5 89.2 165.8

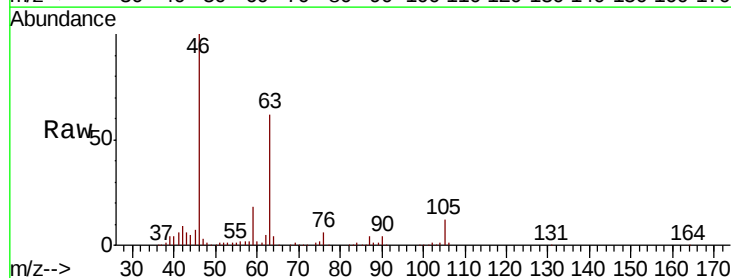


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

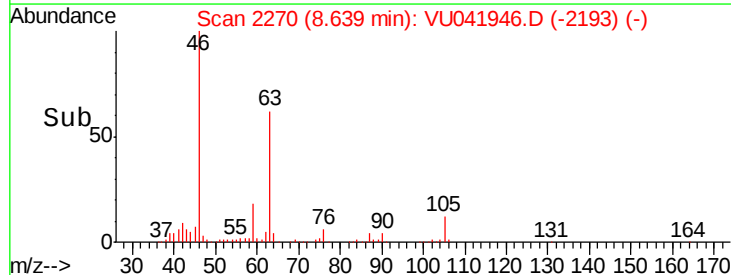
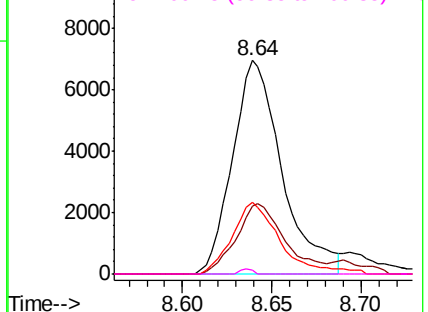


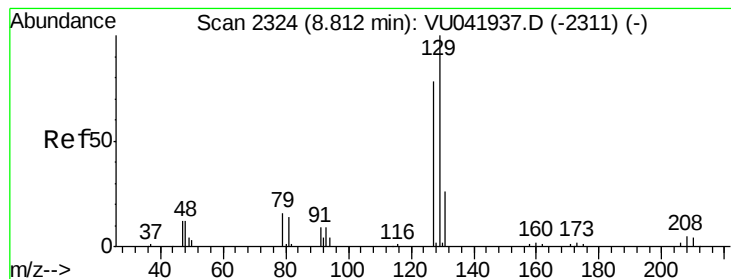
#48
2-Hexanone
Concen: 3.322 ug/L
RT: 8.64 min Scan# 2270
Delta R.T. -0.05 min
Lab File: VU041946.D
Acq: 12 Jan 2021 01:48

Tgt Ion: 43 Resp: 13451
Ion Ratio Lower Upper
43 100
58 32.4 47.6 71.4#
57 32.3 17.1 25.7#
100 0.6 10.4 15.6#



Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0





#49

Dibromochloromethane

Concen: 5.807 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.26 min

Lab File: VU041946.D

Acq: 12 Jan 2021 01:48

Instrument :

MSVOA_U

ClientSampleId :

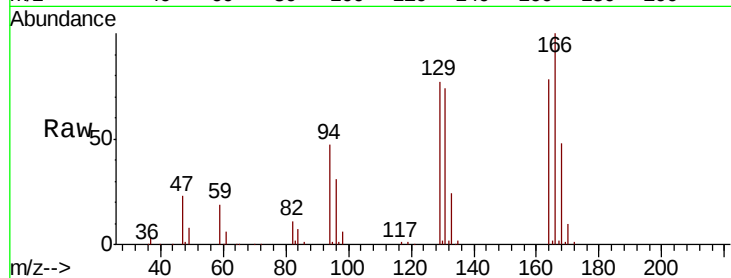
C0AQ6DL

Tot Ion:129 Resp: 46871

Ion Ratio Lower Upper

129 100

127 0.0 54.9 101.9#

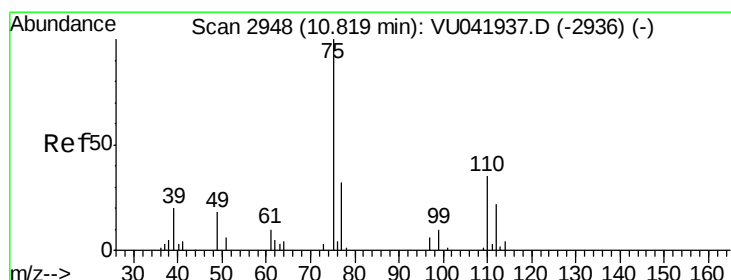
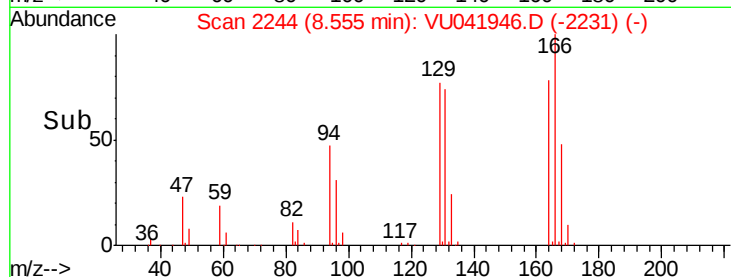


Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.56

Time-->



#59

1,2,3-Trichloropropane

Concen: 0.812 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU041946.D

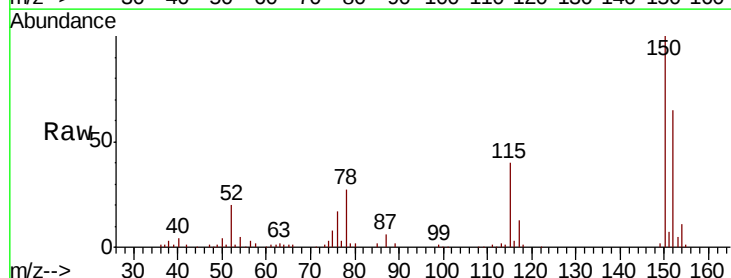
Acq: 12 Jan 2021 01:48

Tgt Ion: 75 Resp: 5131

Ion Ratio Lower Upper

75 100

77 31.3 27.0 40.4



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.81

Time-->

