

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U122120\
 Data File : VU041702.D
 Acq On : 21 Dec 2020 15:36
 Operator : SY/MD
 Sample : L5148-07
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GB1T6

Quant Time: Dec 22 02:52:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Dec 22 02:49:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	119840	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	118224	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	53336	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	44083	4.71	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.20%
7) Chloroethane-d5	1.92	69	44306	6.11	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	122.20%
11) 1,1-Dichloroethene-d2	2.58	63	61881	3.59	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.80%
20) 2-Butanone-d5	4.65	46	168959	62.78	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	125.56%
24) Chloroform-d	5.08	84	88322	5.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.00%
26) 1,2-Dichloroethane-d4	5.72	65	53951	5.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	118.60%
32) Benzene-d6	5.74	84	170136	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.60%
36) 1,2-Dichloropropane-d6	6.70	67	58158	5.48	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.60%
41) Toluene-d8	7.91	98	146327	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.80%
43) trans-1,3-Dichloropropene-	8.19	79	24516	5.14	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.80%
46) 2-Hexanone-d5	8.64	63	157392	60.33	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	120.66%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	52662	5.46	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	53359	5.63	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	112.60%

Target Compounds

					Ovalue
3) Chloromethane	1.52	50	789	0.080 ug/L	86
8) Chloroethane	1.93	64	527	0.071 ug/L #	44
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	509	0.062 ug/L #	22
12) 1,1-Dichloroethene	2.59	96	4758	0.585 ug/L #	1
27) 1,2-Dichloroethane	5.75	62	907	0.085 ug/L #	73
29) 1,1,1-Trichloroethane	5.33	97	4242	0.312 ug/L	92
31) Carbon tetrachloride	5.54	117	1472	0.125 ug/L	91
33) Benzene	5.79	78	1167	0.031 ug/L	100
35) Methylcyclohexane	6.70	83	12914	0.841 ug/L #	19
37) 1,2-Dichloropropane	6.70	63	5913	0.611 ug/L #	88
39) cis-1,3-Dichloropropene	7.58	75	1442	0.101 ug/L #	70
44) trans-1,3-Dichloropropene	8.18	75	757	0.059 ug/L #	59
45) 1,1,2-Trichloroethane	8.56	97	19893	2.781 ug/L #	1
47) Tetrachloroethene	8.56	164	2208413	332.040 ug/L	99
48) 2-Hexanone	8.64	43	19438	3.881 ug/L #	66
49) Dibromochloromethane	8.56	129	2168109	263.916 ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	6202	0.854 ug/L	97

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Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
GB1T6

Quant Time: Dec 22 02:52:19 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Dec 22 02:49:59 2020
Response via : Initial Calibration

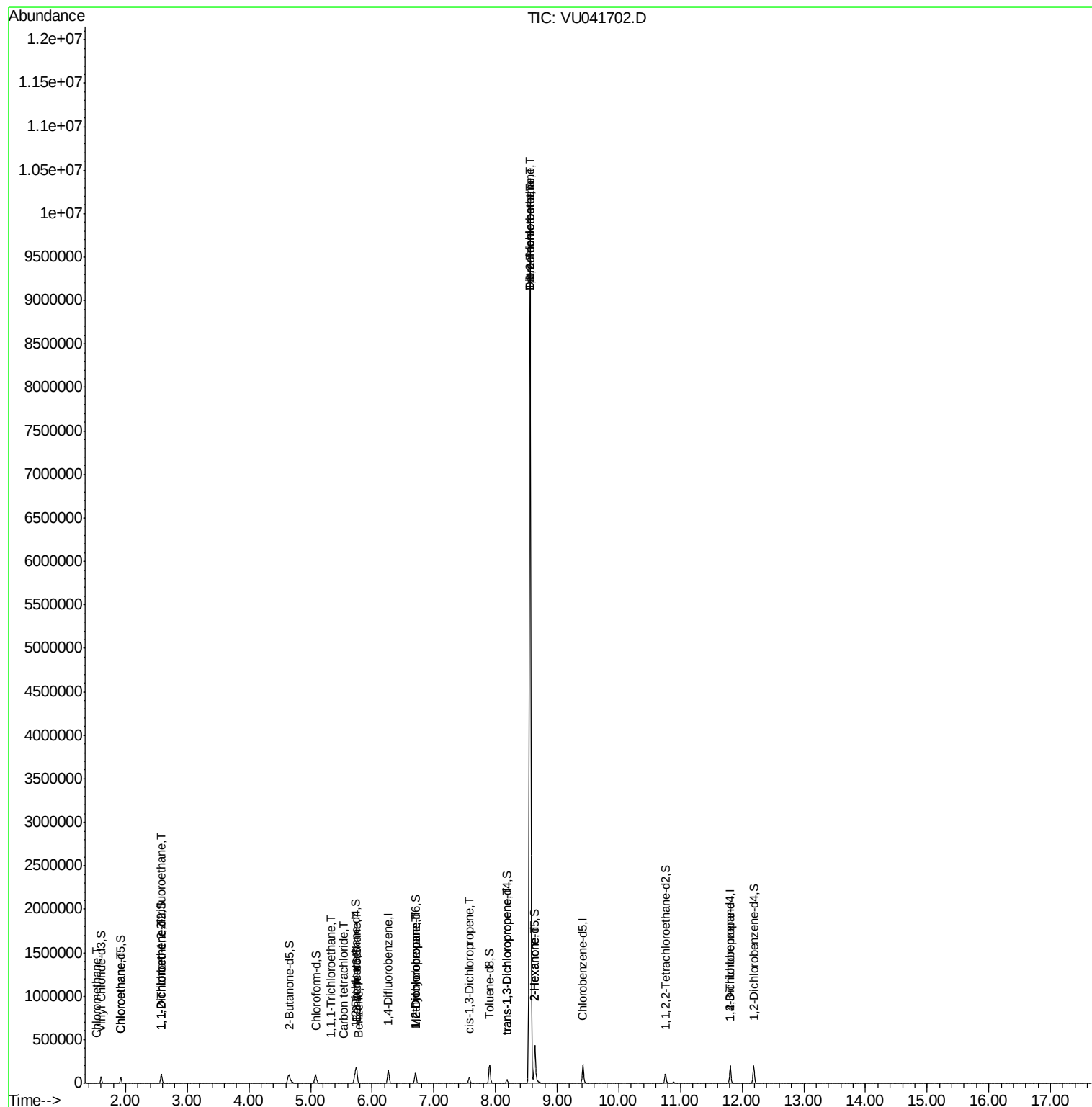
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

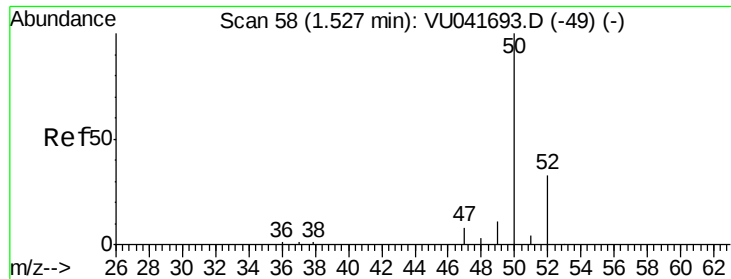
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU122120\
Data File : VU041702.D
Acq On : 21 Dec 2020 15:36
Operator : SY/MD
Sample : L5148-07
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QLast Update : Tue Dec 22 02:49:59 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.080 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU041702.D

Acq: 21 Dec 2020 15:36

Instrument :

MSVOA_U

ClientSampleId :

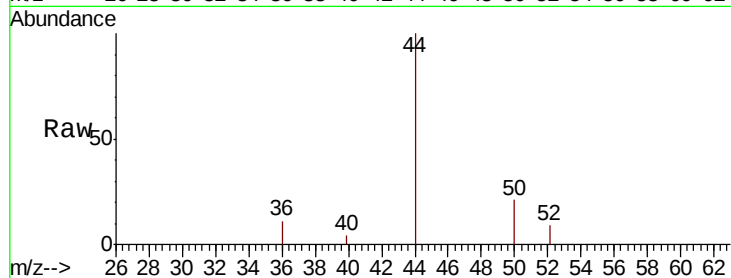
GB1T6

Tot Ion: 50 Resp: 789

Ion Ratio Lower Upper

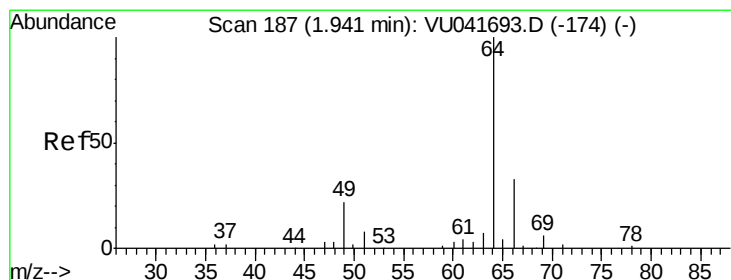
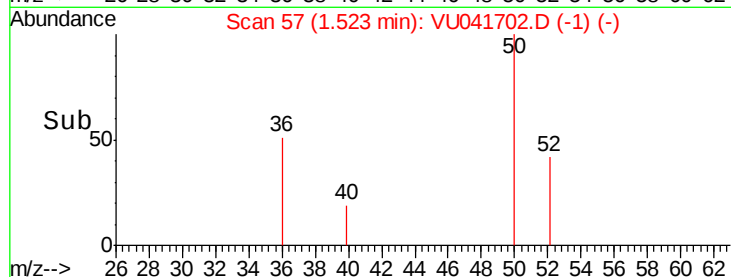
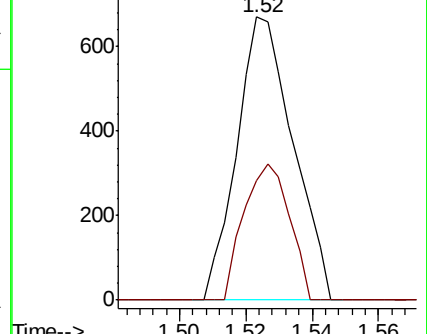
50 100

52 42.4 24.1 44.8



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#8

Chloroethane

Concen: 0.071 ug/L

RT: 1.93 min Scan# 182

Delta R.T. -0.02 min

Lab File: VU041702.D

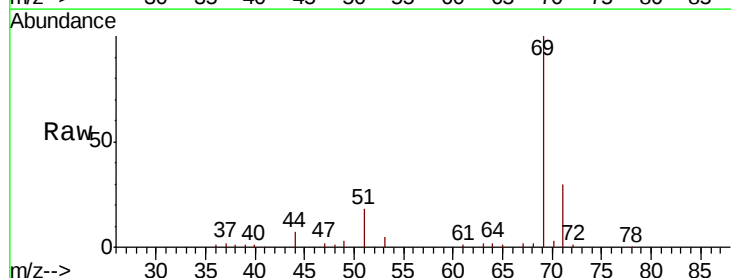
Acq: 21 Dec 2020 15:36

Tgt Ion: 64 Resp: 527

Ion Ratio Lower Upper

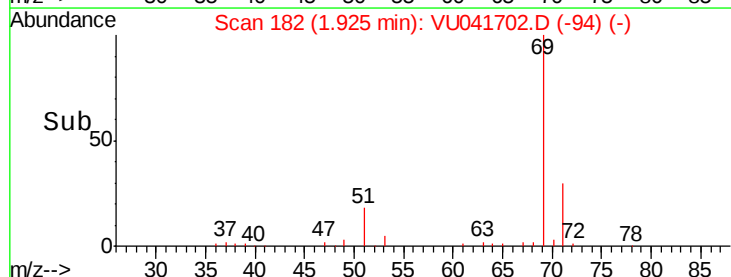
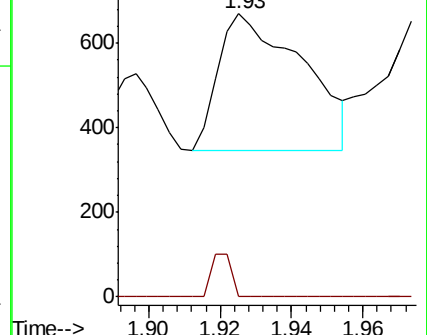
64 100

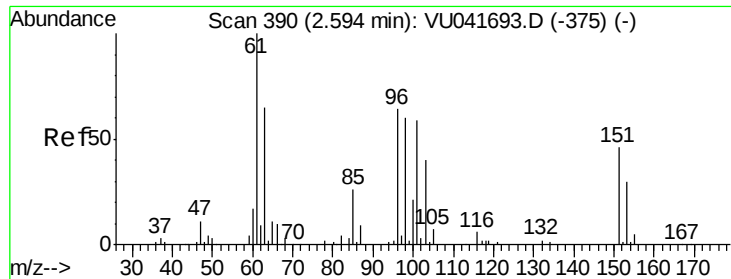
66 0.0 21.6 40.0#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0





#10

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

Concen: 0.062 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.02 min

Lab File: VU041702.D

Acq: 21 Dec 2020 15:36

Instrument :

MSVOA_U

ClientSampleId :

GB1T6

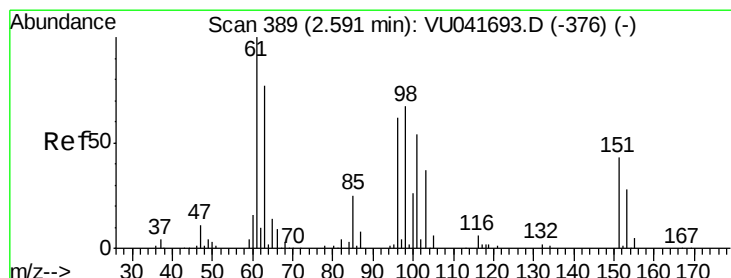
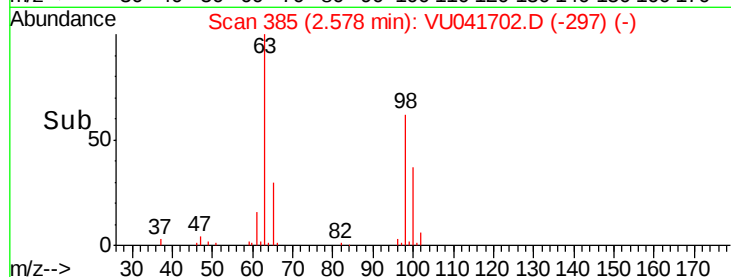
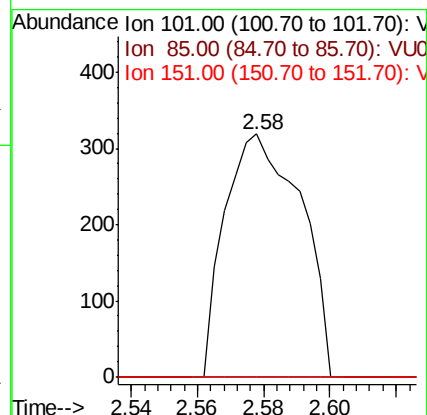
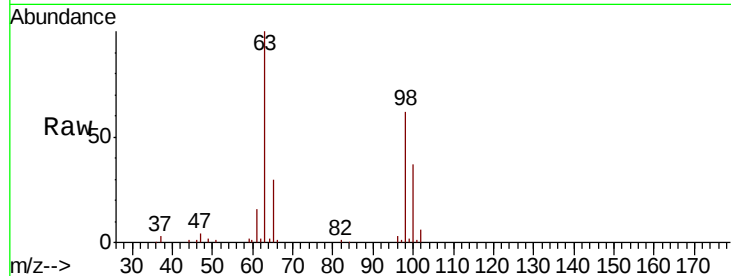
Tot Ion:101 Resp: 509

Ion Ratio Lower Upper

101 100

85 0.0 33.6 50.4#

151 0.0 56.2 84.4#



#12

1,1-Dichloroethene

Concen: 0.585 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU041702.D

Acq: 21 Dec 2020 15:36

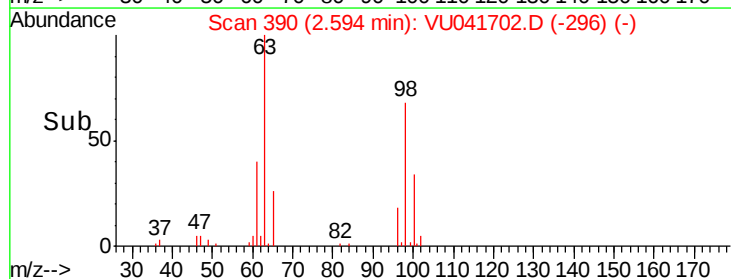
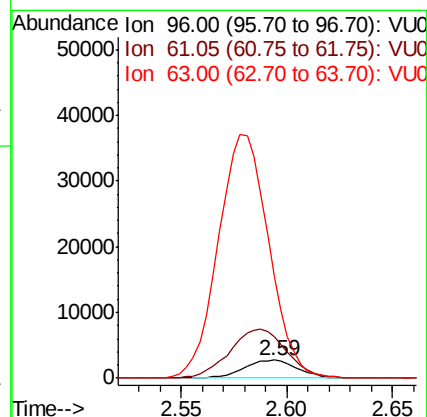
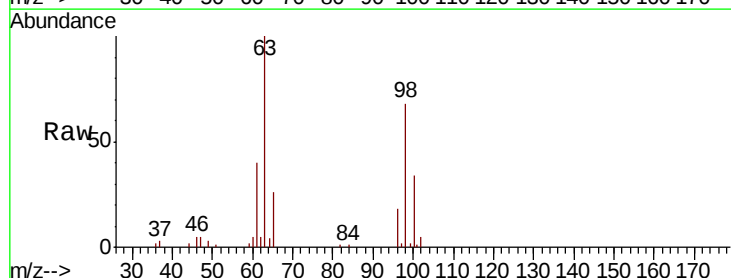
Tgt Ion: 96 Resp: 4758

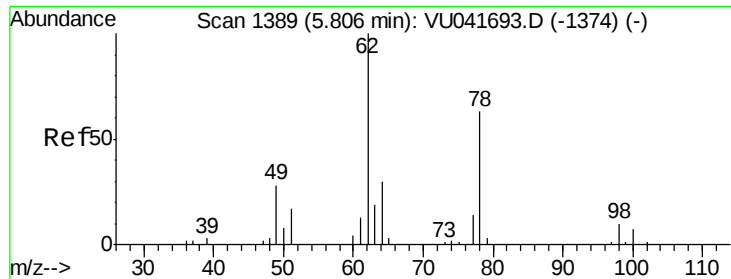
Ion Ratio Lower Upper

96 100

61 224.9 123.8 230.0

63 559.2 81.0 150.4#

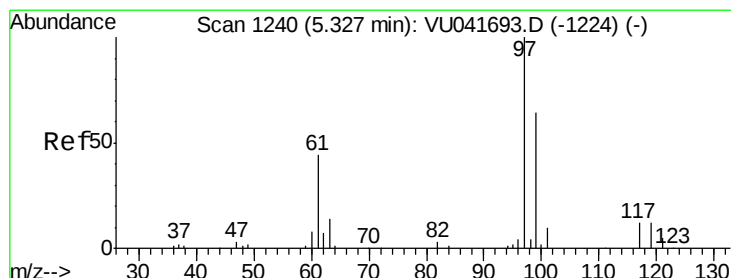
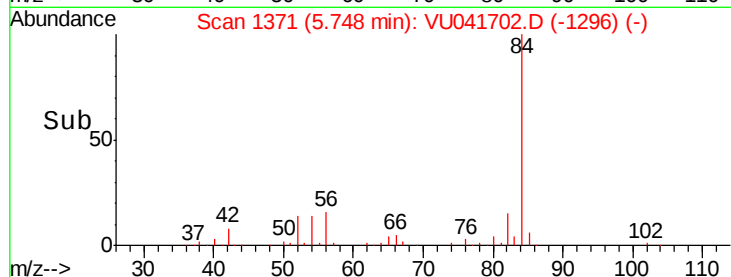
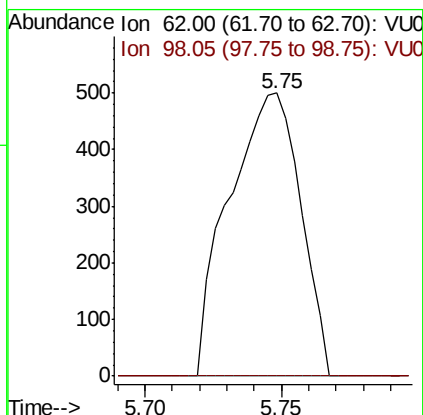
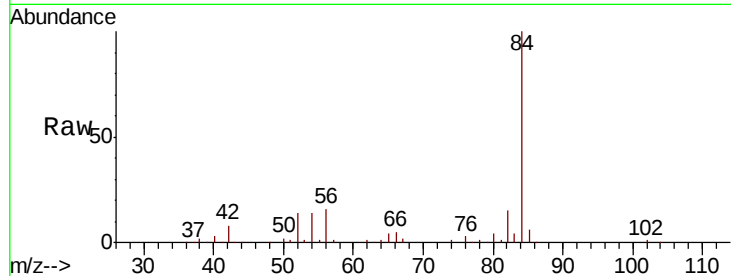




#27
 1,2-Dichloroethane
 Concen: 0.085 ug/L
 RT: 5.75 min Scan# 1371
 Delta R.T. -0.06 min
 Lab File: VU041702.D
 Acq: 21 Dec 2020 15:36

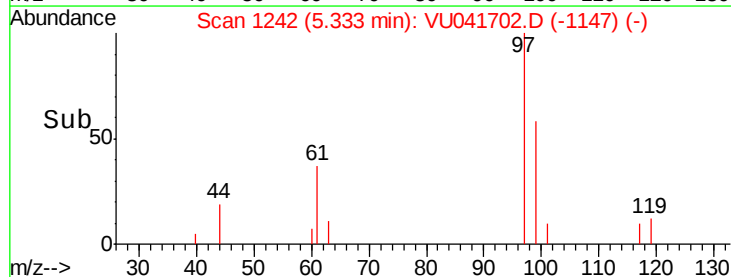
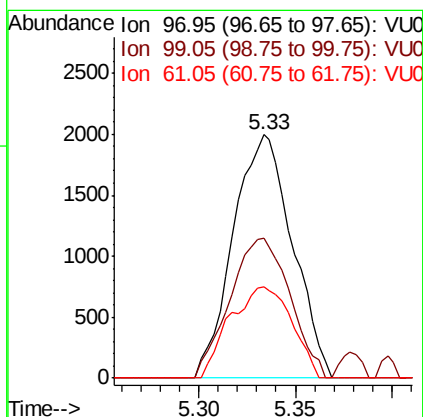
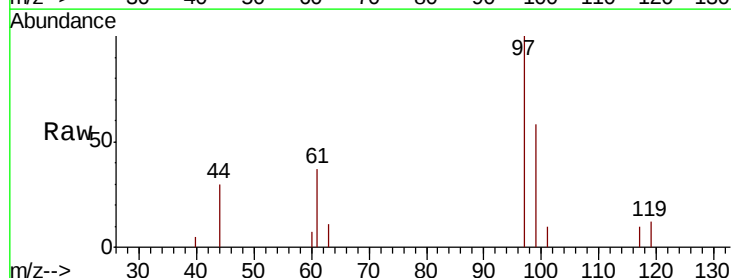
Instrument :
 MSVOA_U
 ClientSampled :
 GB1T6

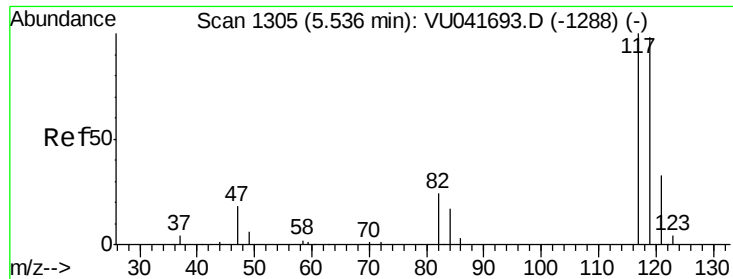
Tot Ion: 62 Resp: 907
 Ion Ratio Lower Upper
 62 100
 98 0.0 8.2 12.2#



#29
 1,1,1-Trichloroethane
 Concen: 0.312 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. 0.01 min
 Lab File: VU041702.D
 Acq: 21 Dec 2020 15:36

Tgt Ion: 97 Resp: 4242
 Ion Ratio Lower Upper
 97 100
 99 58.3 51.3 76.9
 61 39.2 36.5 54.7





#31

Carbon tetrachloride

Concen: 0.125 ug/L

RT: 5.54 min Scan# 1305

Delta R.T. -0.00 min

Lab File: VU041702.D

Acq: 21 Dec 2020 15:36

Instrument :

MSVOA_U

ClientSampleId :

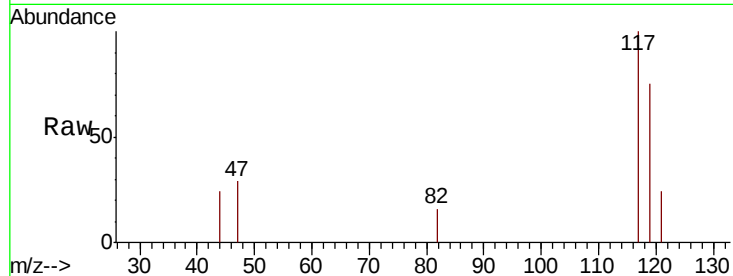
GB1T6

Tot Ion:117 Resp: 1472

Ion Ratio Lower Upper

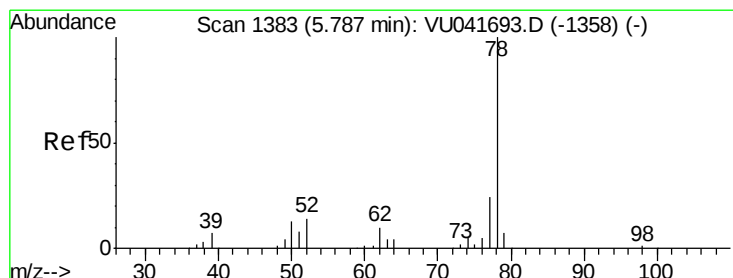
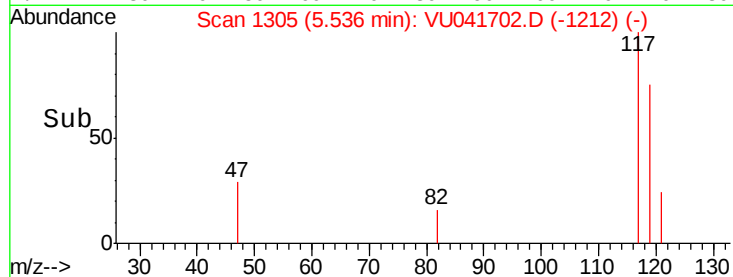
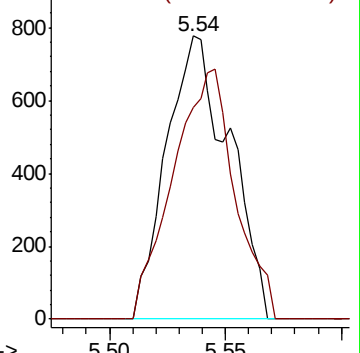
117 100

119 86.9 76.2 114.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.031 ug/L

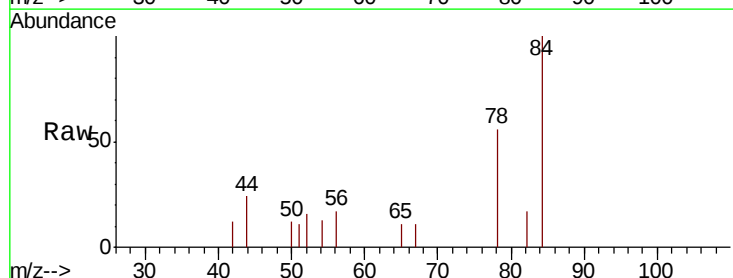
RT: 5.79 min Scan# 1383

Delta R.T. -0.00 min

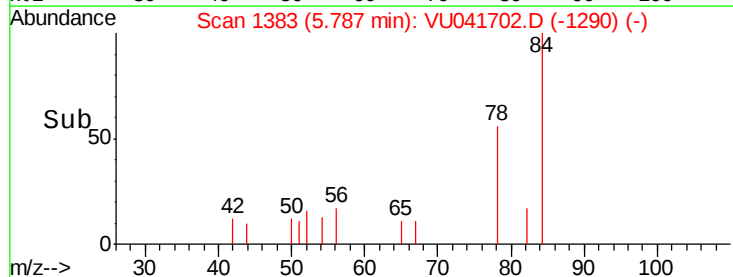
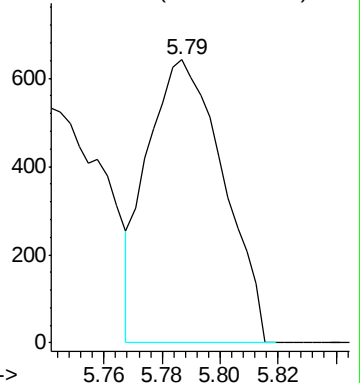
Lab File: VU041702.D

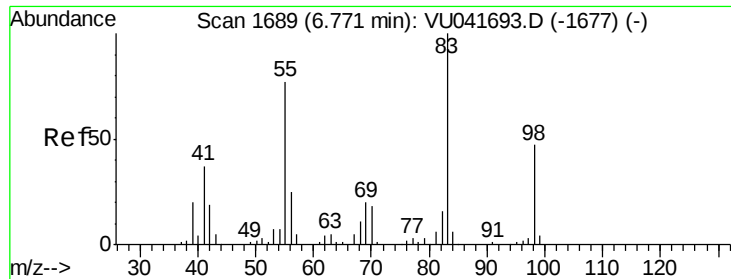
Acq: 21 Dec 2020 15:36

Tgt Ion: 78 Resp: 1167



Abundance Ion 78.10 (77.80 to 78.80): VU0

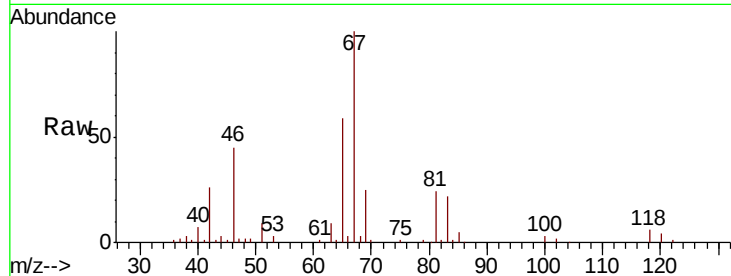




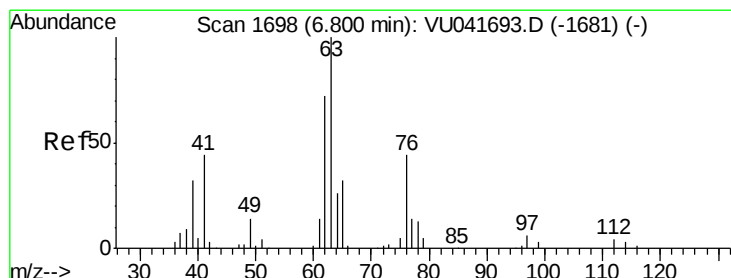
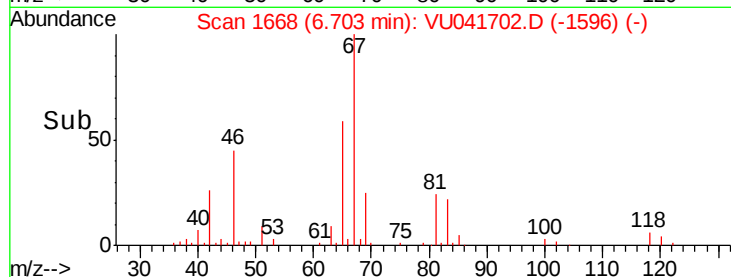
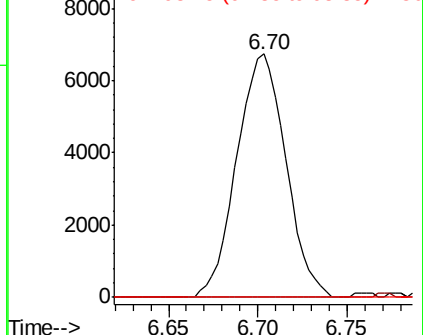
#35
Methvlcvclohexane
Concen: 0.841 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU041702.D
Acq: 21 Dec 2020 15:36

Instrument :
MSVOA_U
ClientSampleId :
GB1T6

Tot Ion: 83 Resp: 12914
Ion Ratio Lower Upper
83 100
55 0.5 61.2 91.8#
98 1.1 36.6 54.8#

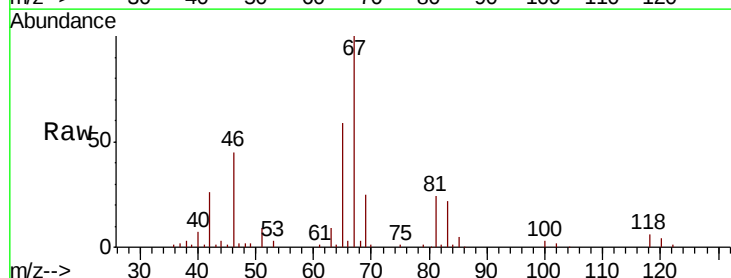


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

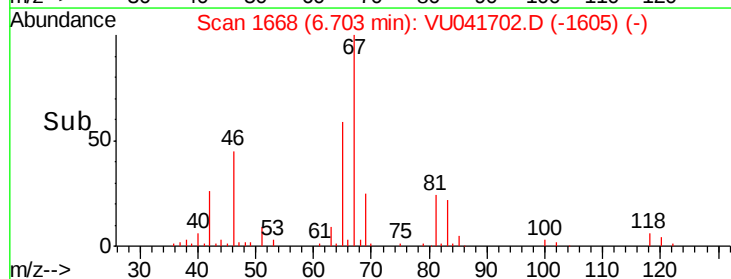
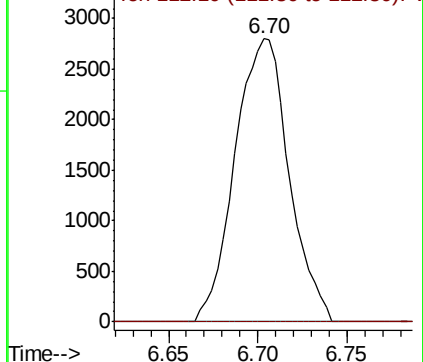


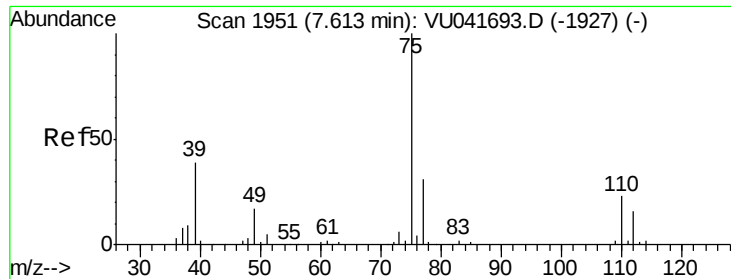
#37
1,2-Dichloropropane
Concen: 0.611 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU041702.D
Acq: 21 Dec 2020 15:36

Tgt Ion: 63 Resp: 5913
Ion Ratio Lower Upper
63 100
112 0.0 3.1 4.7#



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

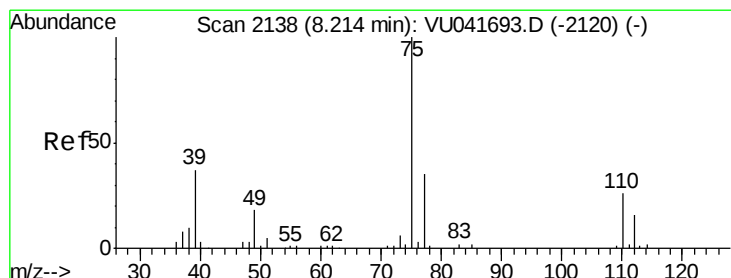
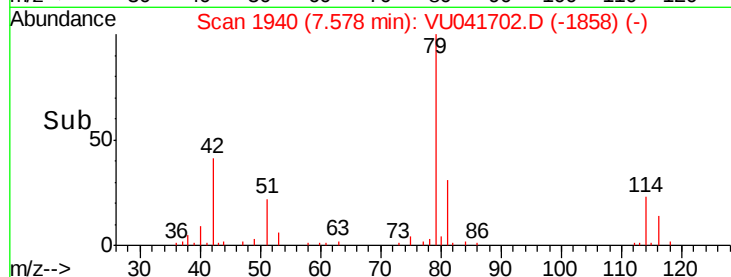
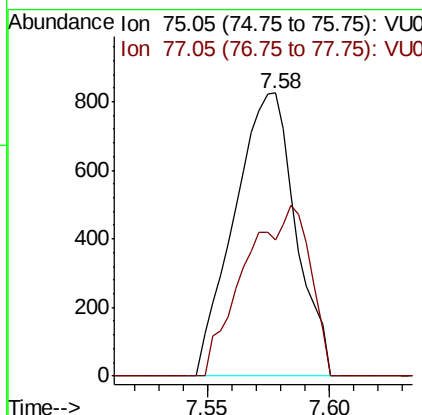
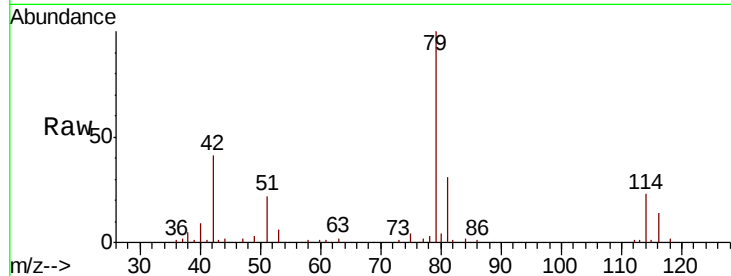




#39
 cis-1,3-Dichloropropene
 Concen: 0.101 ug/L
 RT: 7.58 min Scan# 1940
 Delta R.T. -0.04 min
 Lab File: VU041702.D
 Acq: 21 Dec 2020 15:36

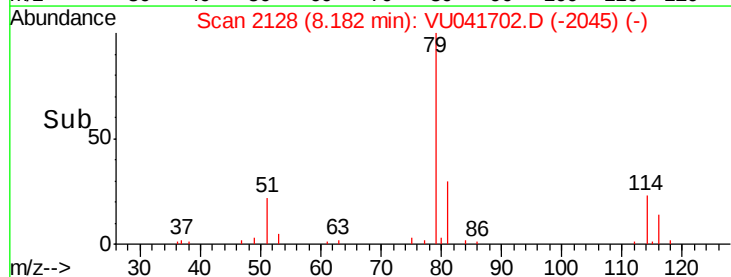
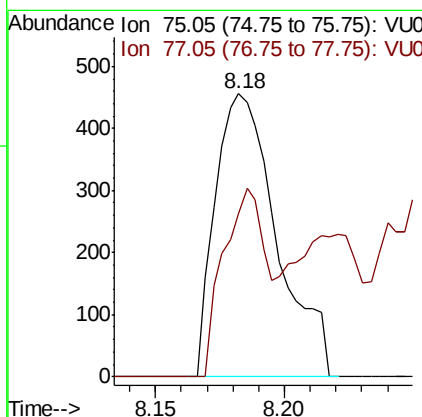
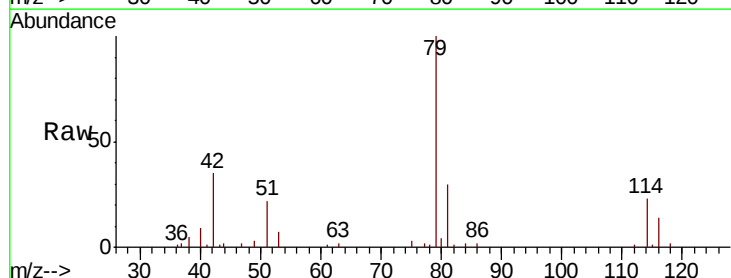
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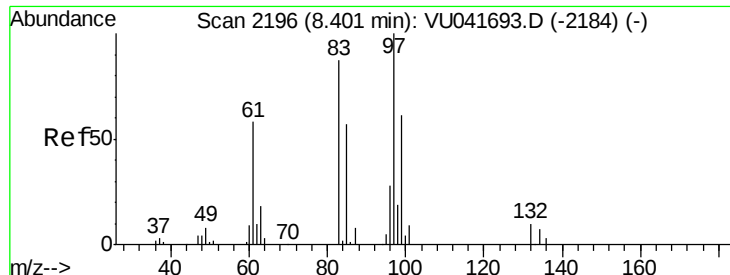
Tot Ion: 75 Resp: 1442
 Ion Ratio Lower Upper
 75 100
 77 48.2 22.3 41.3#



#44
 trans-1,3-Dichloropropene
 Concen: 0.059 ug/L
 RT: 8.18 min Scan# 2128
 Delta R.T. -0.03 min
 Lab File: VU041702.D
 Acq: 21 Dec 2020 15:36

Tgt Ion: 75 Resp: 757
 Ion Ratio Lower Upper
 75 100
 77 57.5 23.8 44.2#

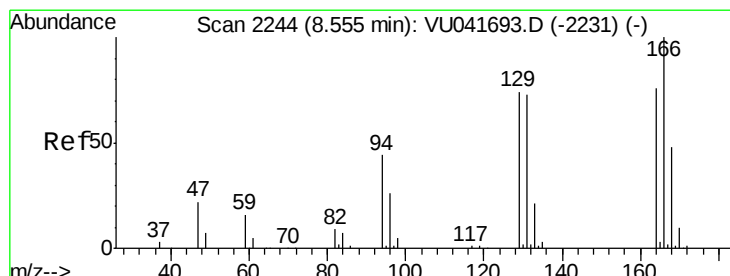
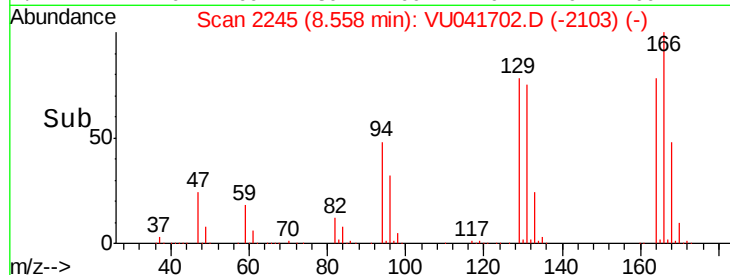
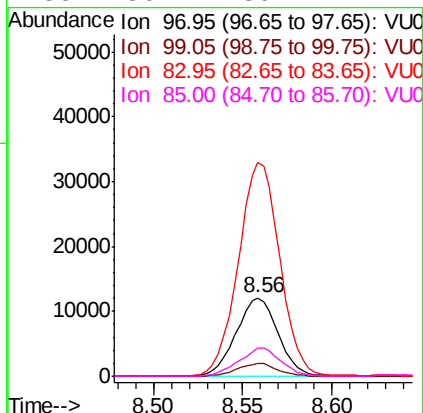
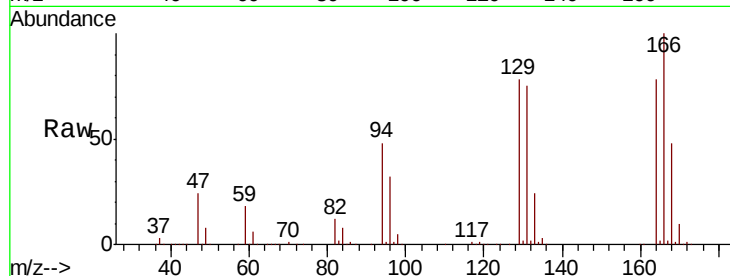




#45
1,1,2-Trichloroethane
Concen: 2.781 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. 0.16 min
Lab File: VU041702.D
Acq: 21 Dec 2020 15:36

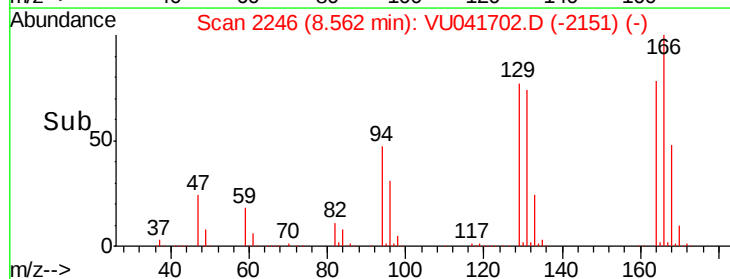
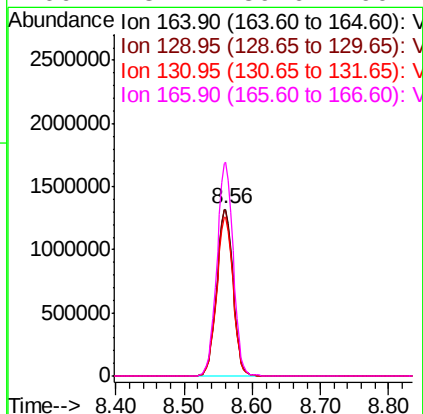
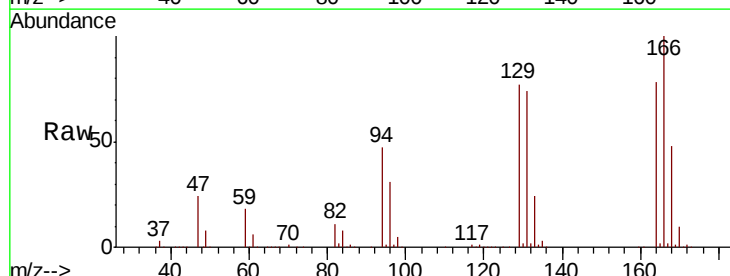
Instrument :
MSVOA_U
ClientSampleId :
GB1T6

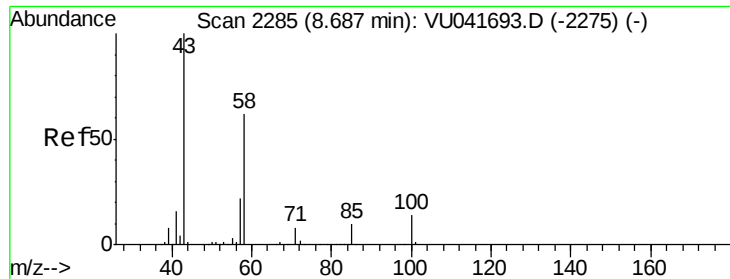
Tot Ion: 97 Resp: 19893
Ion Ratio Lower Upper
97 100
99 16.4 42.1 78.3#
83 271.7 62.6 116.2#
85 36.2 39.1 72.7#



#47
Tetrachloroethene
Concen: 332.040 ug/L
RT: 8.56 min Scan# 2246
Delta R.T. 0.01 min
Lab File: VU041702.D
Acq: 21 Dec 2020 15:36

Tgt Ion:164 Resp: 2208413
Ion Ratio Lower Upper
164 100
129 99.1 72.2 134.0
131 95.1 66.9 124.3
166 128.2 89.6 166.4

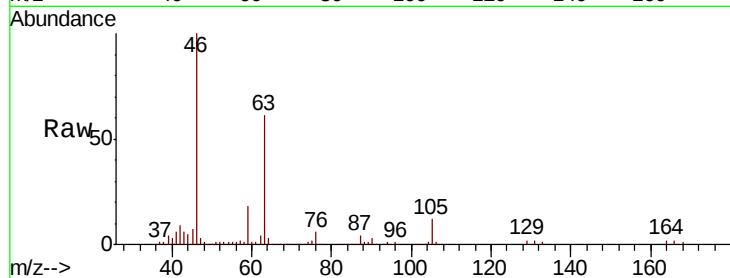




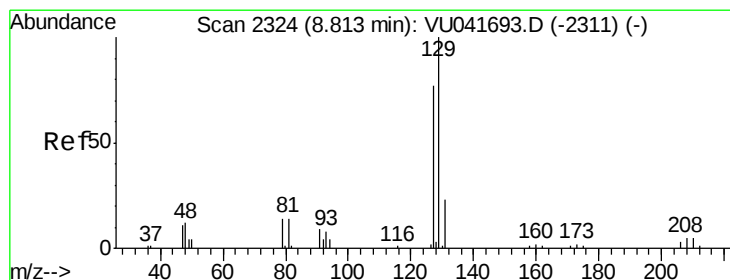
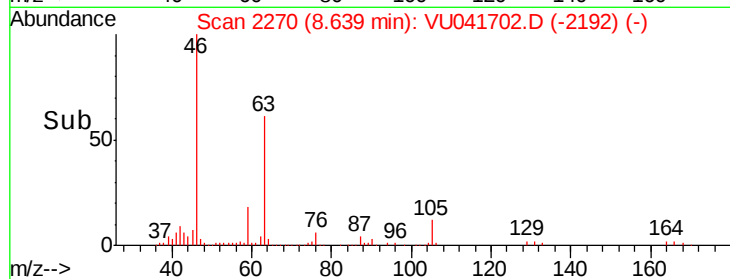
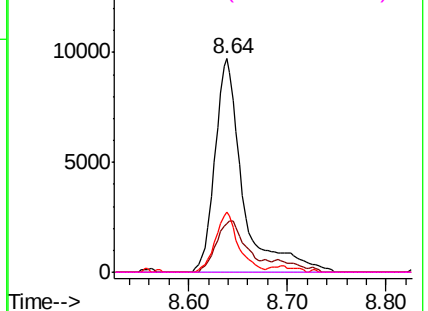
#48
2-Hexanone
Concen: 3.881 ug/L
RT: 8.64 min Scan# 2270
Delta R.T. -0.05 min
Lab File: VU041702.D
Acq: 21 Dec 2020 15:36

Instrument :
MSVOA_U
ClientSampleId :
GB1T6

Tot Ion: 43 Resp: 19438
Ion Ratio Lower Upper
43 100
58 26.3 47.9 71.9#
57 23.4 16.5 24.7
100 0.0 9.4 14.2#

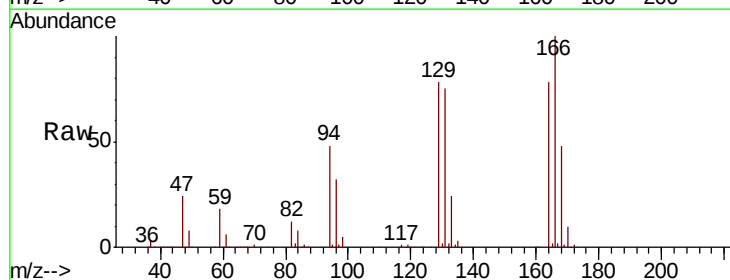


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

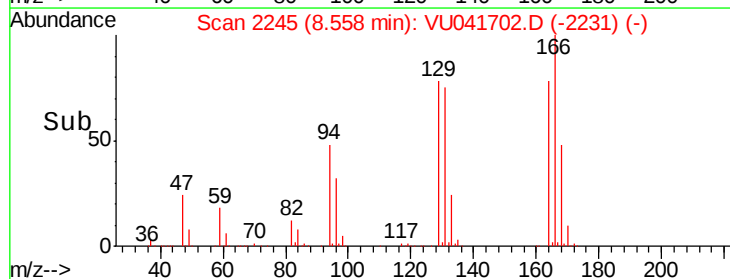
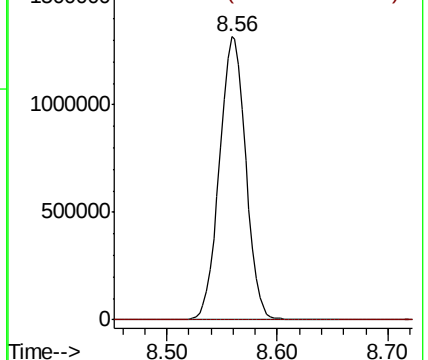


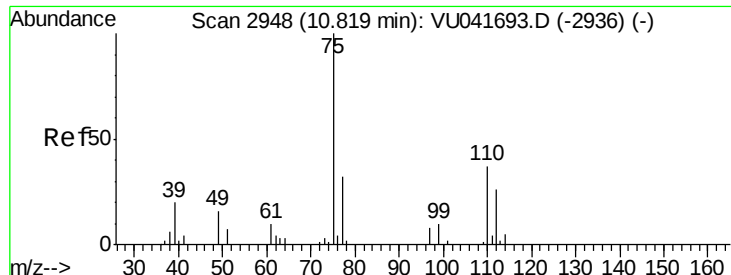
#49
Dibromochloromethane
Concen: 263.916 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. -0.25 min
Lab File: VU041702.D
Acq: 21 Dec 2020 15:36

Tgt Ion: 129 Resp: 2168109
Ion Ratio Lower Upper
129 100
127 0.0 54.7 101.7#



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: 0.854 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.99 min

Lab File: VU041702.D

Acq: 21 Dec 2020 15:36

Instrument :

MSVOA_U

ClientSampleId :

GB1T6

Tot Ion: 75 Resp: 6202

Ion Ratio Lower Upper

75 100

77 30.8 26.2 39.2

