

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U122320\
 Data File : VU041791.D
 Acq On : 23 Dec 2020 18:57
 Operator : SY/MD
 Sample : L5185-10
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG4S6

Quant Time: Dec 24 01:13:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Dec 24 01:08:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	127423	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	125930	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	54735	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	38796	3.90	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.00%
7) Chloroethane-d5	1.92	69	39330	5.10	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.00%
11) 1,1-Dichloroethene-d2	2.58	63	60954	3.32	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.40%
20) 2-Butanone-d5	4.66	46	139472	48.74	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.48%
24) Chloroform-d	5.08	84	78977	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.60%
26) 1,2-Dichloroethane-d4	5.72	65	45948	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.00%
32) Benzene-d6	5.74	84	151578	4.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.00%
36) 1,2-Dichloropropane-d6	6.70	67	50249	4.44	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.80%
41) Toluene-d8	7.90	98	121677	3.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.80%
43) trans-1,3-Dichloropropene-	8.19	79	18884	3.72	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.40%
46) 2-Hexanone-d5	8.64	63	124366	44.75	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.50%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	49082	4.78	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	47776	4.91	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.20%

Target Compounds

					Ovalue
3) Chloromethane	1.52	50	585	0.056 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	524	0.060 ug/L #	22
12) 1,1-Dichloroethene	2.59	96	2409	0.279 ug/L #	1
13) Acetone	2.68	43	1797	0.987 ug/L	91
17) Methyl tert-butyl Ether	3.39	73	2335	0.101 ug/L #	78
19) 1,1-Dichloroethane	3.89	63	14272	0.854 ug/L	97
22) cis-1,2-Dichloroethene	4.69	96	2324	0.235 ug/L	99
25) Chloroform	5.11	83	7318	0.435 ug/L	97
27) 1,2-Dichloroethane	5.75	62	941	0.083 ug/L #	73
29) 1,1,1-Trichloroethane	5.33	97	6607	0.457 ug/L	95
34) Trichloroethene	6.55	95	97520	9.636 ug/L	93
35) Methylcyclohexane	6.70	83	12092	0.739 ug/L #	18
37) 1,2-Dichloropropane	6.70	63	5489	0.533 ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1056	0.069 ug/L #	7
44) trans-1,3-Dichloropropene	8.19	75	762	0.056 ug/L #	71
47) Tetrachloroethene	8.56	164	1229	0.173 ug/L	92
49) Dibromochloromethane	8.56	129	1180	0.135 ug/L #	10

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Dec 24 01:08:18 2020
Response via : Initial Calibration

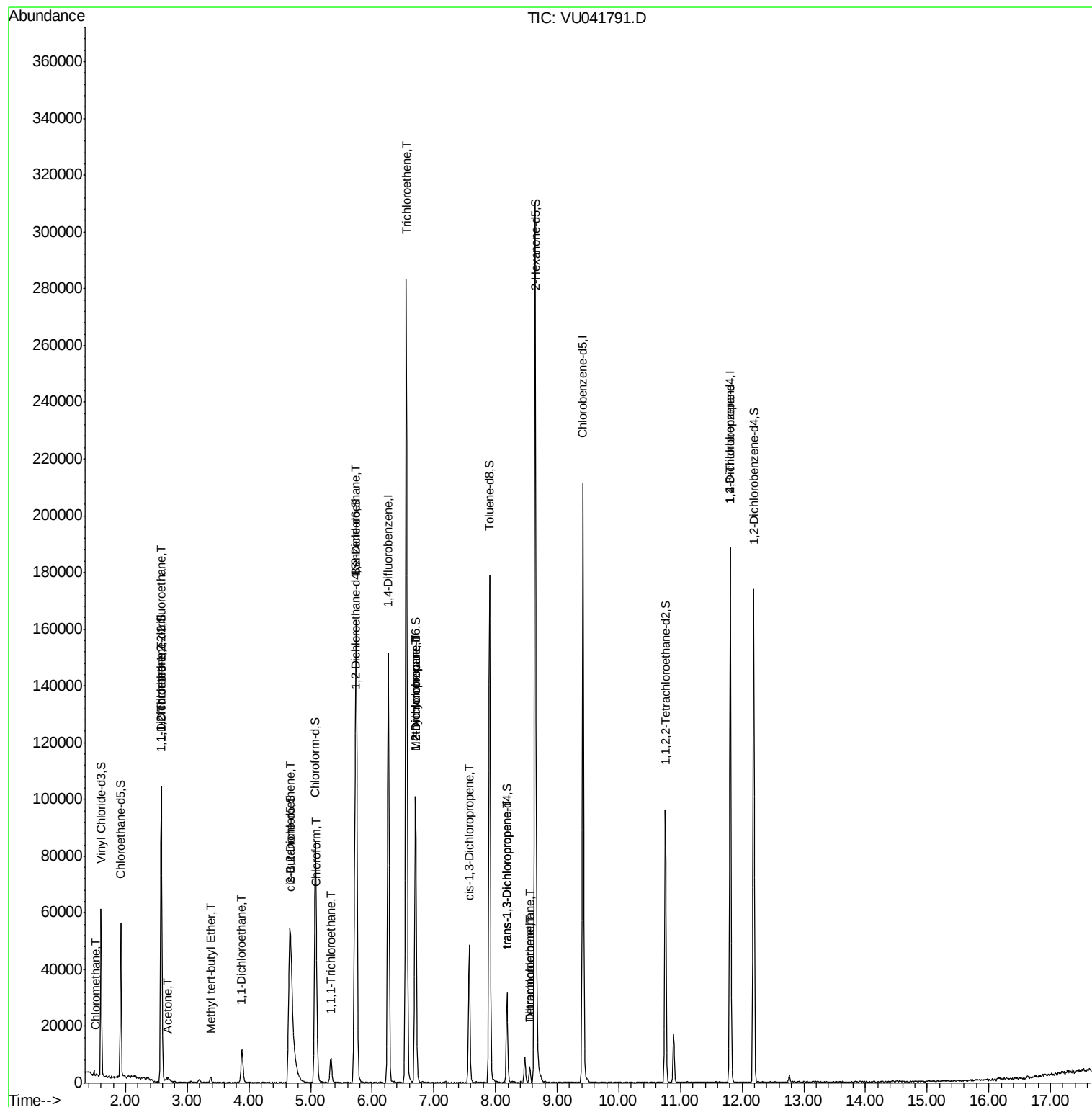
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	11.81	75	6071	0.785	ug/L	98

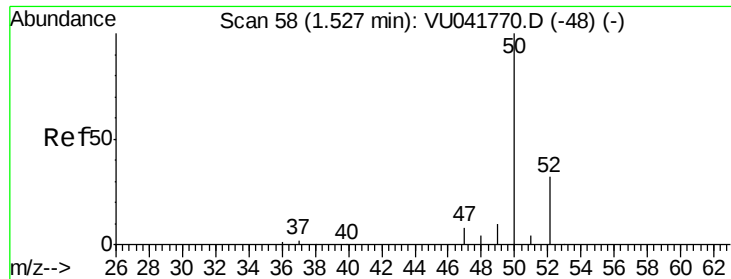
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.056 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU041791.D

Acq: 23 Dec 2020 18:57

Instrument :

MSVOA_U

ClientSampled :

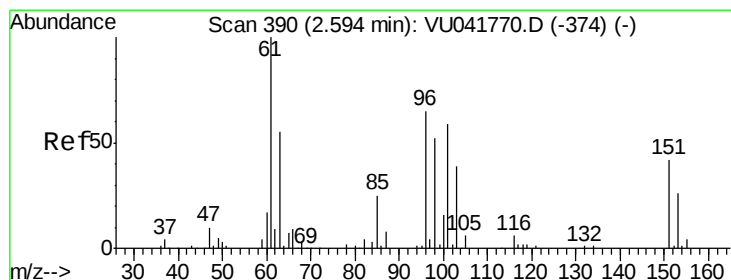
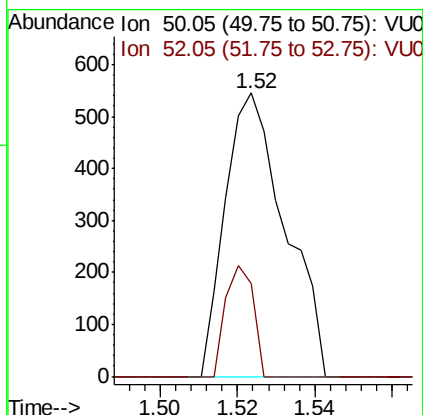
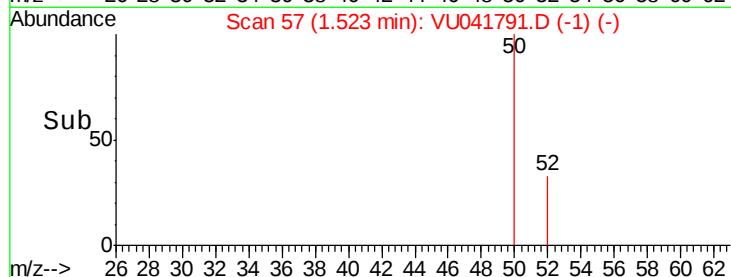
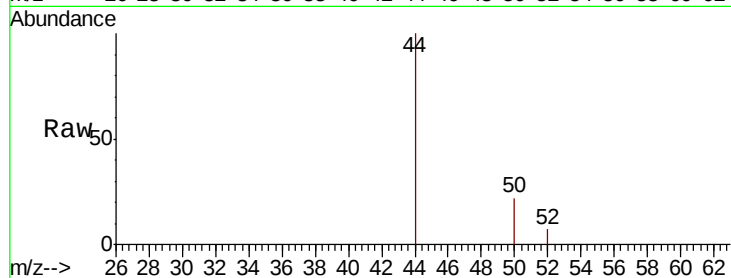
BG4S6

Tot Ion: 50 Resp: 585

Ion Ratio Lower Upper

50 100

52 32.7 24.1 44.8



#10

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

Concen: 0.060 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.02 min

Lab File: VU041791.D

Acq: 23 Dec 2020 18:57

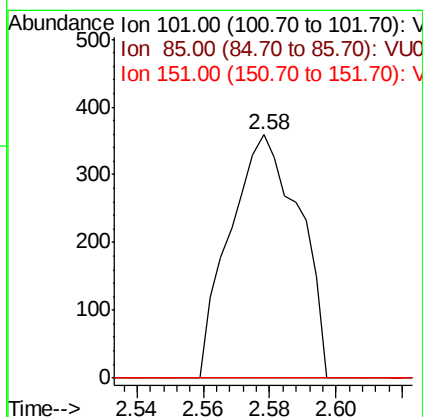
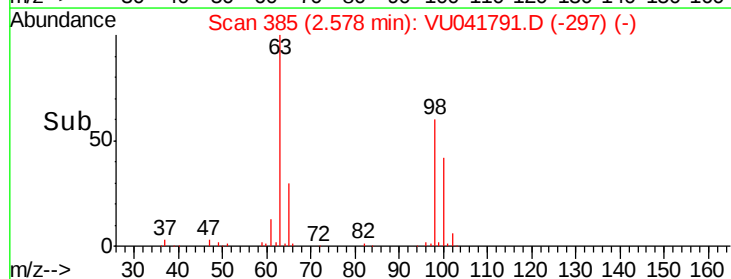
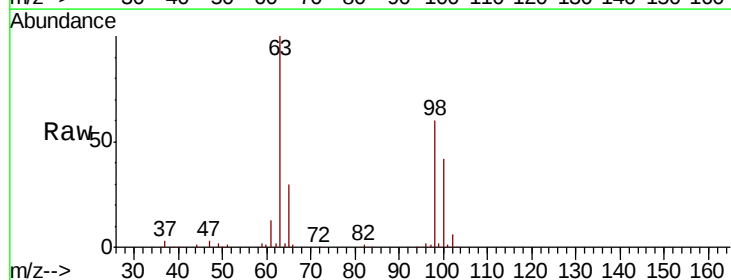
Tgt Ion: 101 Resp: 524

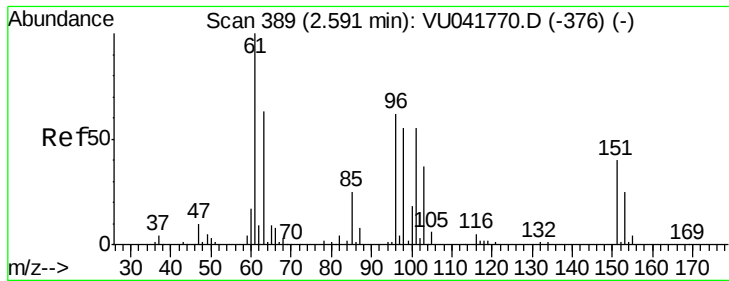
Ion Ratio Lower Upper

101 100

85 0.0 33.6 50.4#

151 0.0 56.2 84.4#

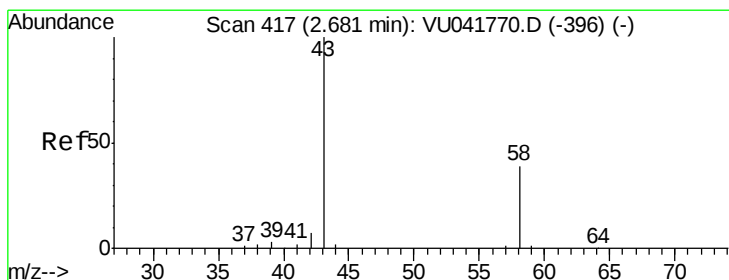
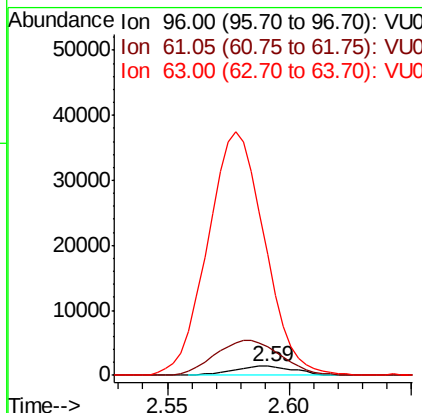
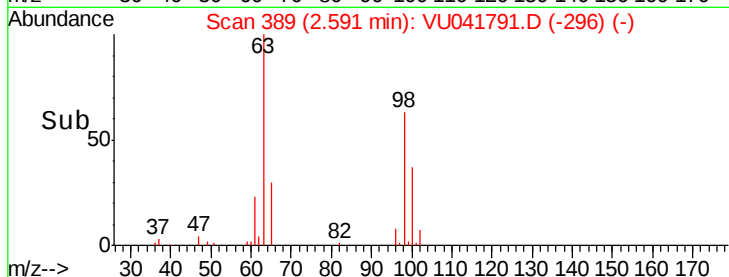
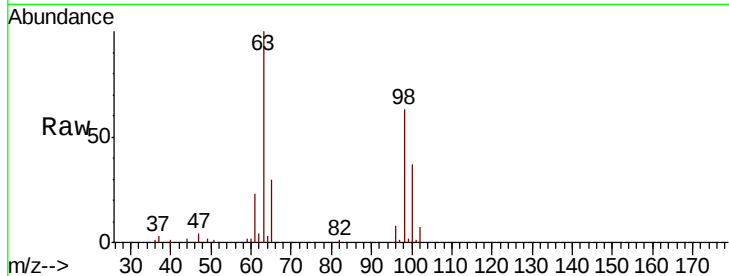




#12
 1,1-Dichloroethene
 Concen: 0.279 ug/L
 RT: 2.59 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VU041791.D
 Acq: 23 Dec 2020 18:57

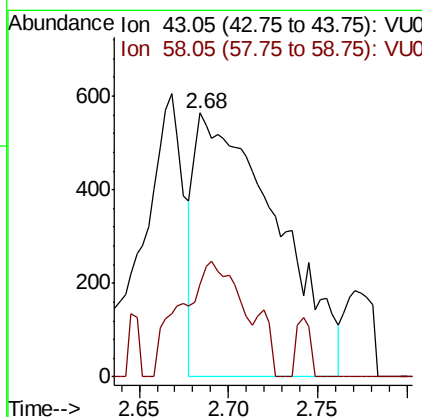
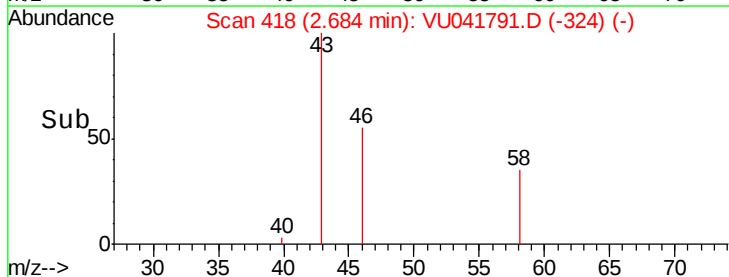
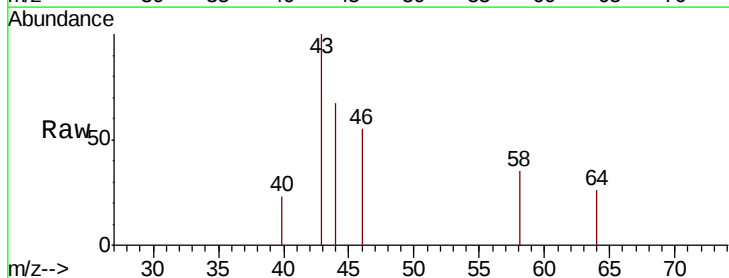
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 ClientSampleId :
 BG4S6

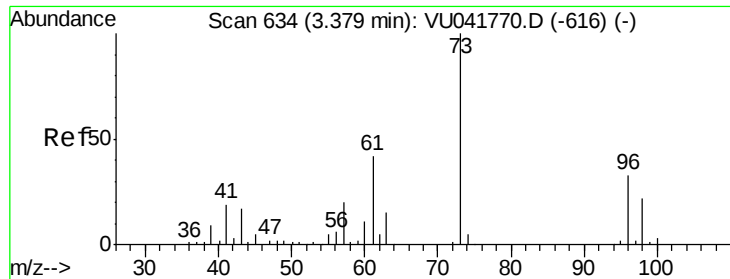
Tot Ion: 96 Resp: 2409
 Ion Ratio Lower Upper
 96 100
 61 301.8 123.8 230.0#
 63 1296.7 81.0 150.4#



#13
 Acetone
 Concen: 0.987 ug/L
 RT: 2.68 min Scan# 418
 Delta R.T. 0.00 min
 Lab File: VU041791.D
 Acq: 23 Dec 2020 18:57

Tgt Ion: 43 Resp: 1797
 Ion Ratio Lower Upper
 43 100
 58 31.4 0.0 73.2

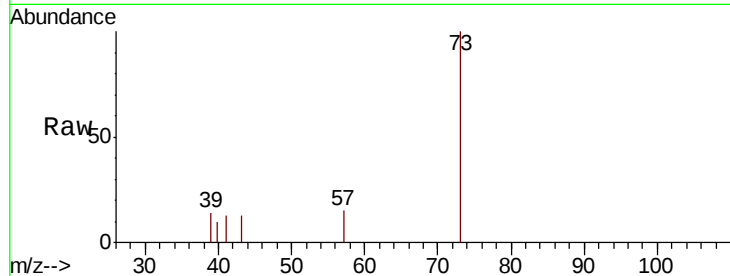




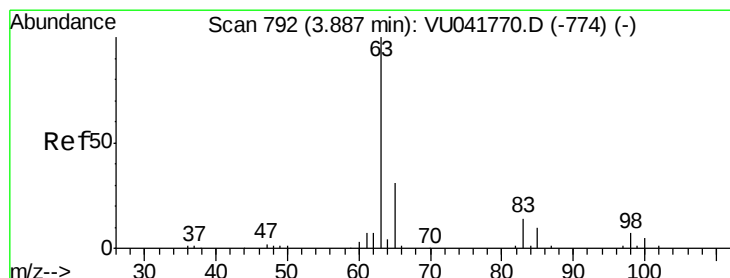
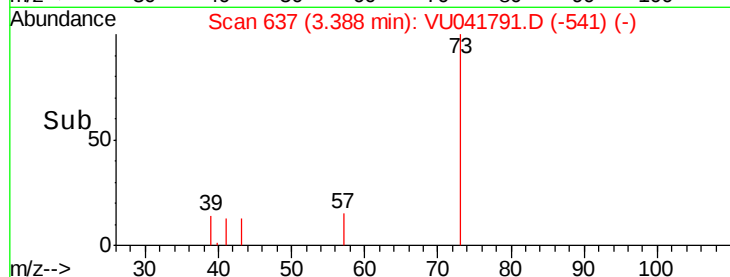
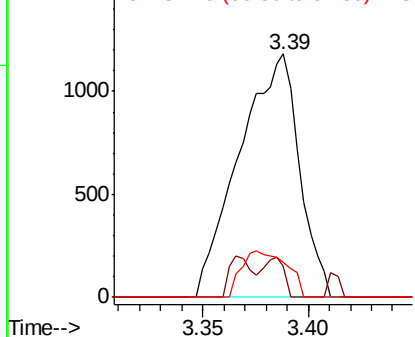
#17
Methvl tert-butvl Ether
Concen: 0.101 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.01 min
Lab File: VU041791.D
Acq: 23 Dec 2020 18:57

Instrument :
MSVOA_U
ClientSampleId :
BG4S6

Tot Ion: 73 Resp: 2335
Ion Ratio Lower Upper
73 100
43 5.6 14.7 22.1#
57 14.4 18.2 27.4#

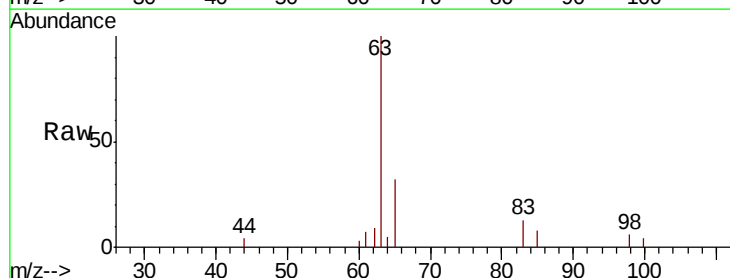


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

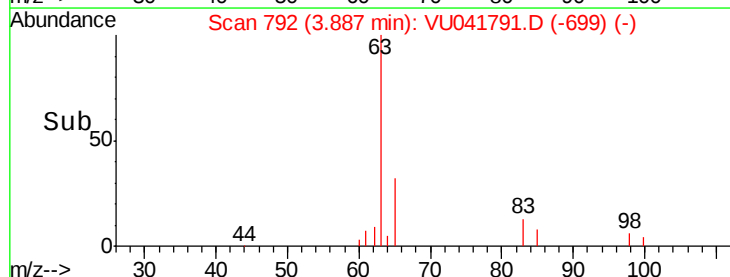
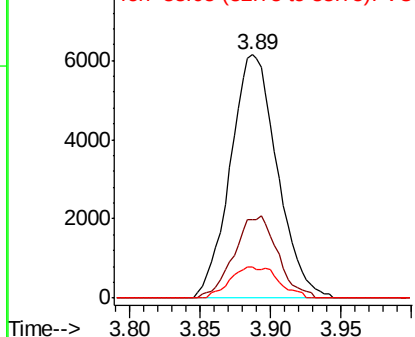


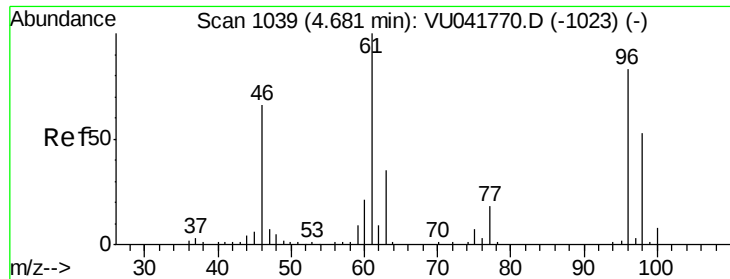
#19
1,1-Dichloroethane
Concen: 0.854 ug/L
RT: 3.89 min Scan# 792
Delta R.T. 0.00 min
Lab File: VU041791.D
Acq: 23 Dec 2020 18:57

Tgt Ion: 63 Resp: 14272
Ion Ratio Lower Upper
63 100
65 32.4 21.3 39.6
83 12.9 9.3 17.3



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 65.10 (64.80 to 65.80): VU0
Ion 83.05 (82.75 to 83.75): VU0

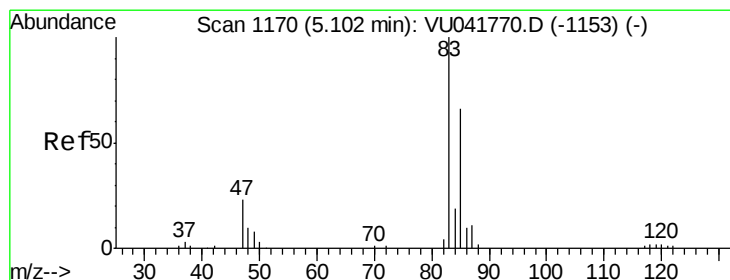
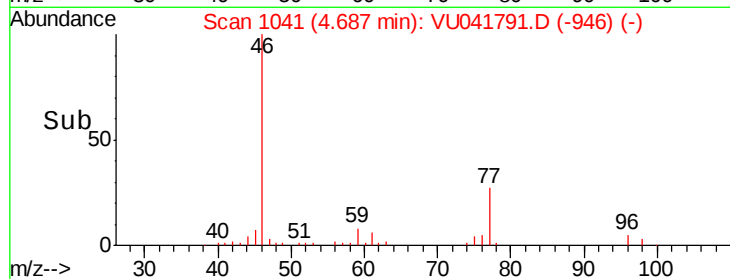
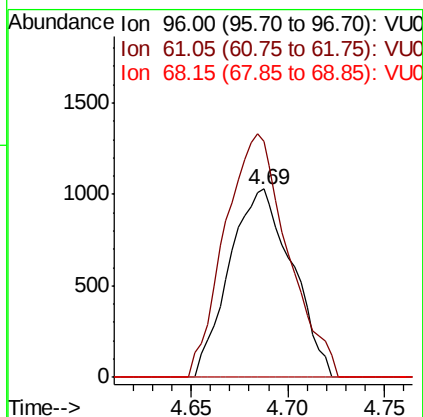
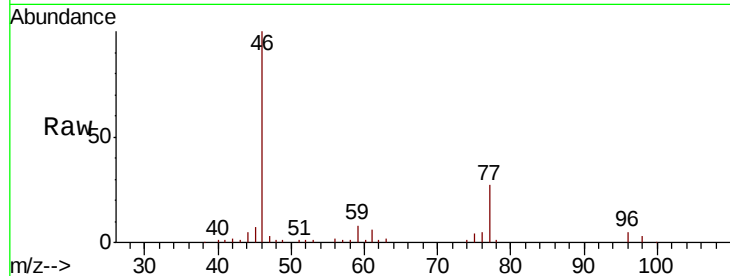




#22
 cis-1,2-Dichloroethene
 Concen: 0.235 ug/L
 RT: 4.69 min Scan# 1041
 Delta R.T. 0.01 min
 Lab File: VU041791.D
 Acq: 23 Dec 2020 18:57

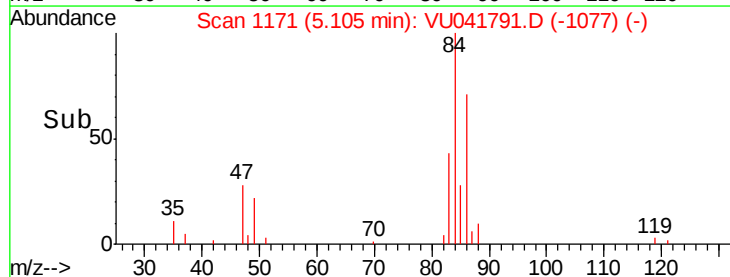
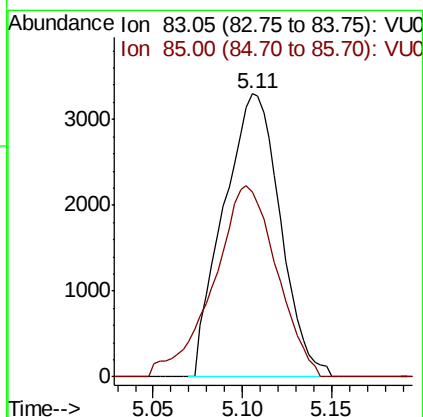
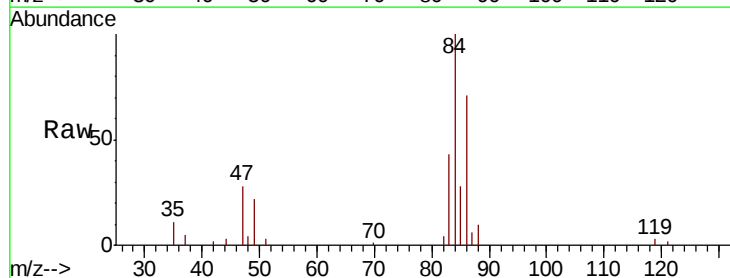
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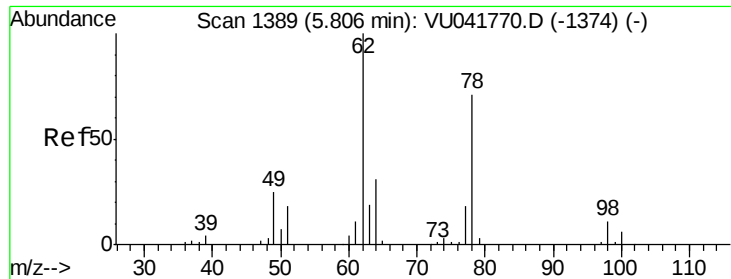
Tot Ion: 96 Resp: 2324
 Ion Ratio Lower Upper
 96 100
 61 125.4 88.8 165.0
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 0.435 ug/L
 RT: 5.11 min Scan# 1171
 Delta R.T. 0.00 min
 Lab File: VU041791.D
 Acq: 23 Dec 2020 18:57

Tgt Ion: 83 Resp: 7318
 Ion Ratio Lower Upper
 83 100
 85 65.3 44.2 82.0

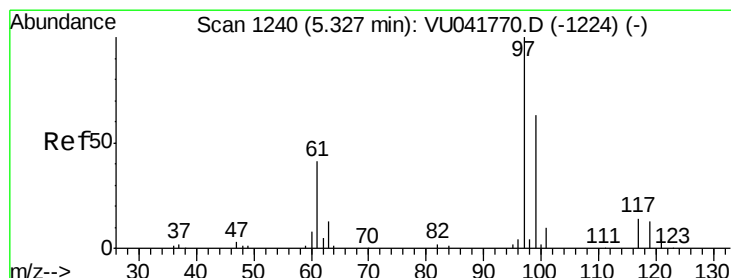
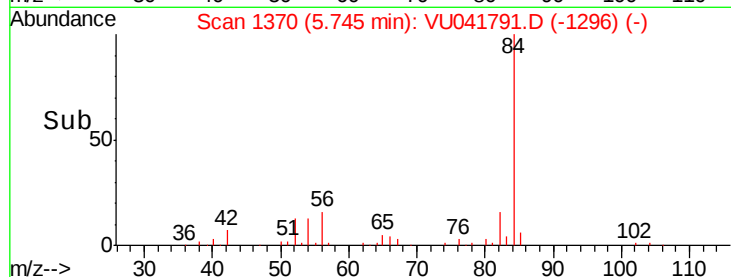
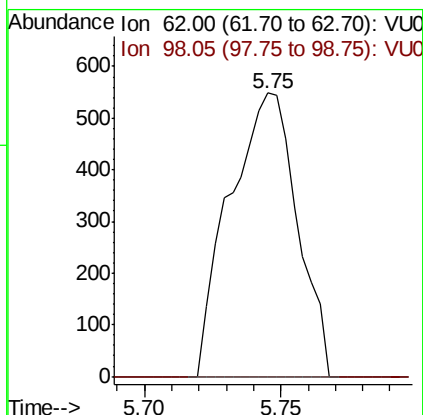
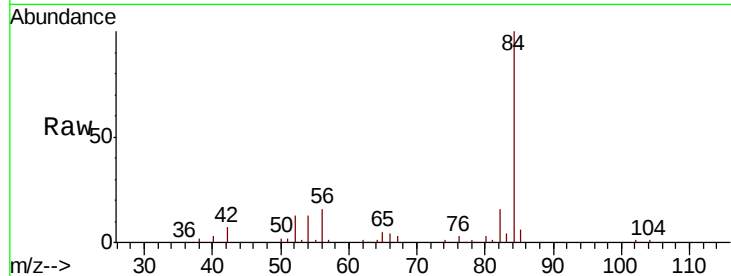




#27
 1,2-Dichloroethane
 Concen: 0.083 ug/L
 RT: 5.75 min Scan# 1370
 Delta R.T. -0.06 min
 Lab File: VU041791.D
 Acq: 23 Dec 2020 18:57

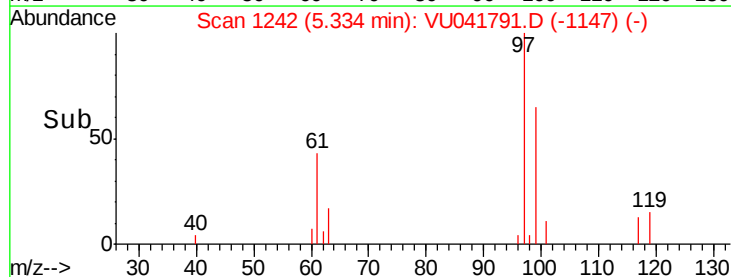
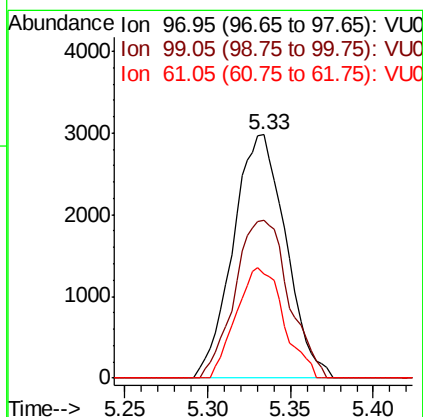
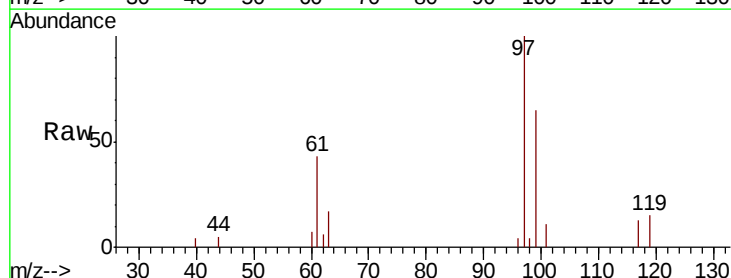
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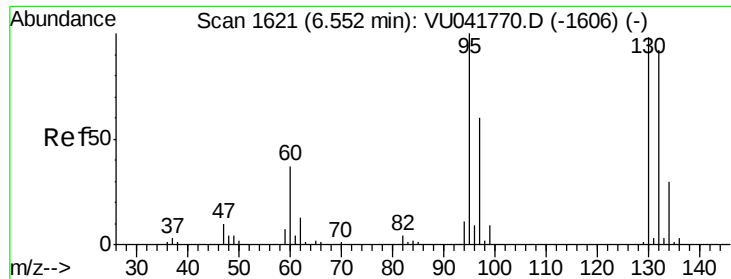
Tot Ion: 62 Resp: 941
 Ion Ratio Lower Upper
 62 100
 98 0.0 8.2 12.2#



#29
 1,1,1-Trichloroethane
 Concen: 0.457 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. 0.01 min
 Lab File: VU041791.D
 Acq: 23 Dec 2020 18:57

Tgt Ion: 97 Resp: 6607
 Ion Ratio Lower Upper
 97 100
 99 66.1 51.3 76.9
 61 40.7 36.5 54.7

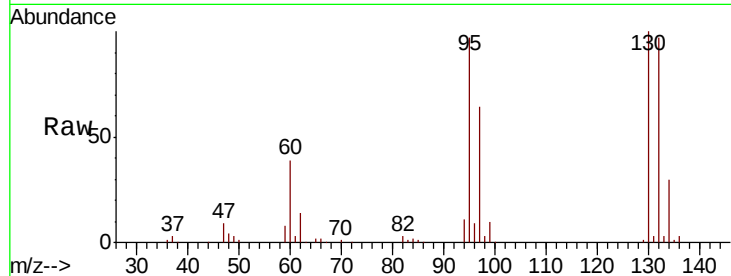




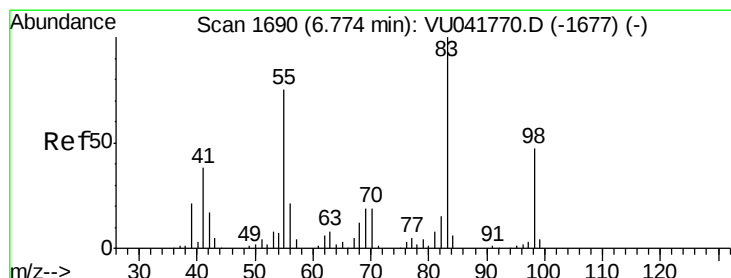
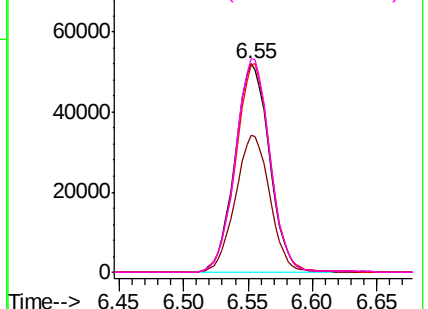
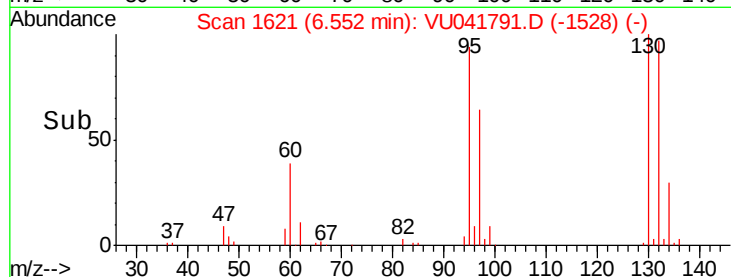
#34
 Trichloroethene
 Concen: 9.636 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: VU041791.D
 Acq: 23 Dec 2020 18:57

Instrument :
 MSVOA_U
 ClientSampleId :
 BG4S6

Tot Ion: 95 Resp: 97520
 Ion Ratio Lower Upper
 95 100
 97 65.8 43.9 81.5
 132 99.5 63.1 117.3
 130 102.6 67.4 125.2

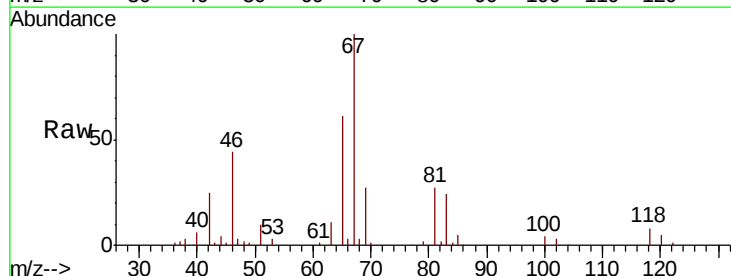


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

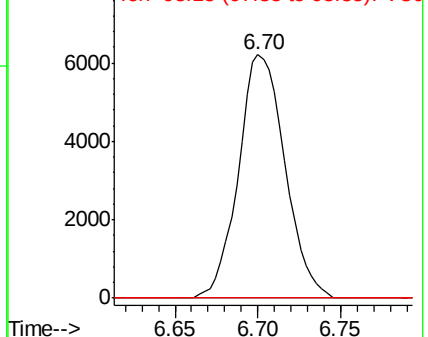
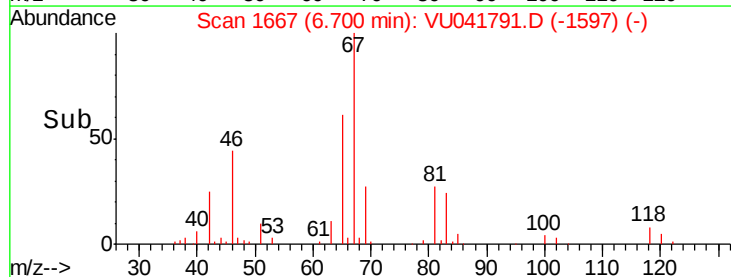


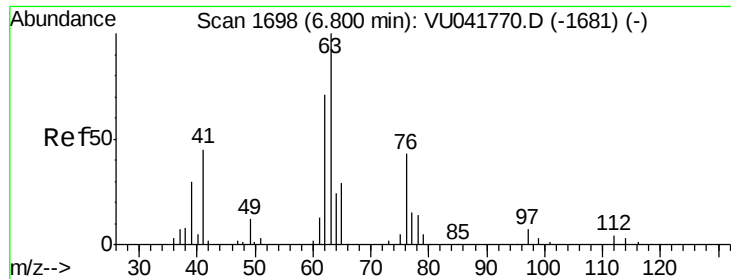
#35
 Methylcyclohexane
 Concen: 0.739 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.07 min
 Lab File: VU041791.D
 Acq: 23 Dec 2020 18:57

Tgt Ion: 83 Resp: 12092
 Ion Ratio Lower Upper
 83 100
 55 0.0 61.2 91.8#
 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

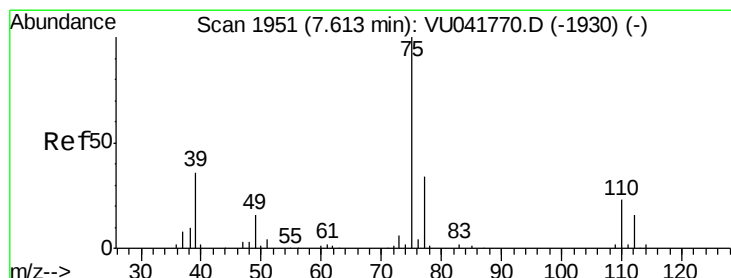
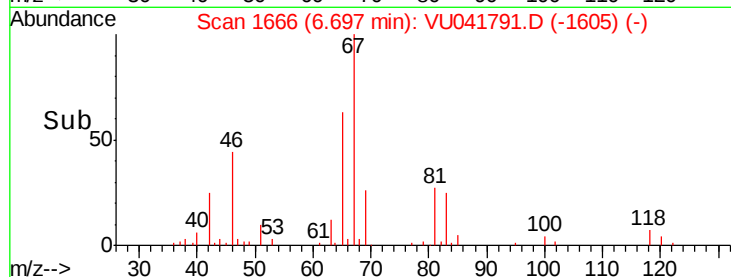
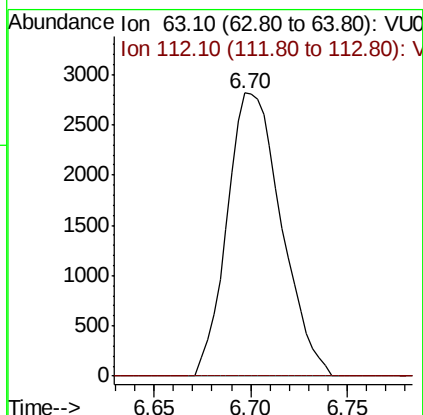
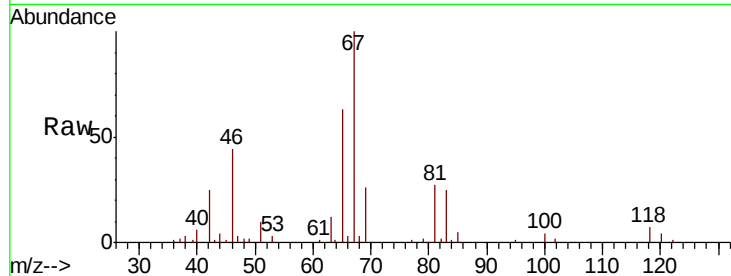




#37
 1,2-Dichloropropane
 Concen: 0.533 ug/L
 RT: 6.70 min Scan# 1666
 Delta R.T. -0.10 min
 Lab File: VU041791.D
 Acq: 23 Dec 2020 18:57

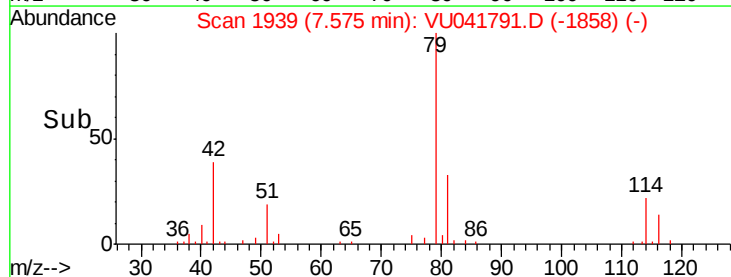
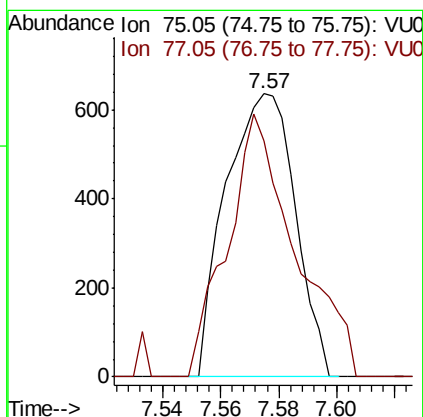
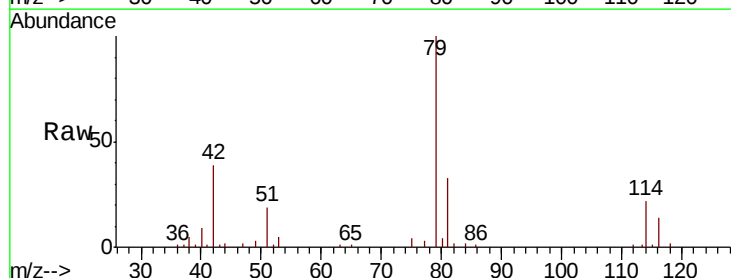
Instrument :
 MSVOA_U
 ClientSampleId :
 BG4S6

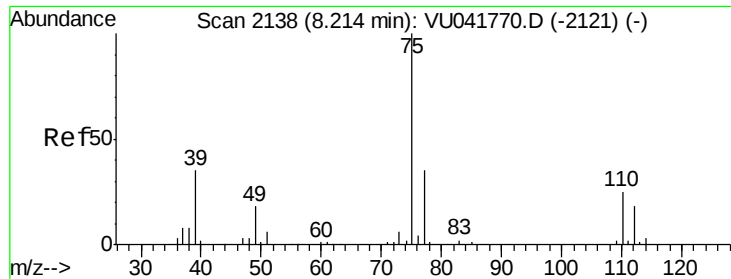
Tot Ion: 63 Resp: 5489
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.069 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU041791.D
 Acq: 23 Dec 2020 18:57

Tgt Ion: 75 Resp: 1056
 Ion Ratio Lower Upper
 75 100
 77 83.5 22.3 41.3#





#44

trans-1,3-Dichloropropene

Concen: 0.056 ug/L

RT: 8.19 min Scan# 2130

Delta R.T. -0.03 min

Lab File: VU041791.D

Acq: 23 Dec 2020 18:57

Instrument :

MSVOA_U

ClientSampleId :

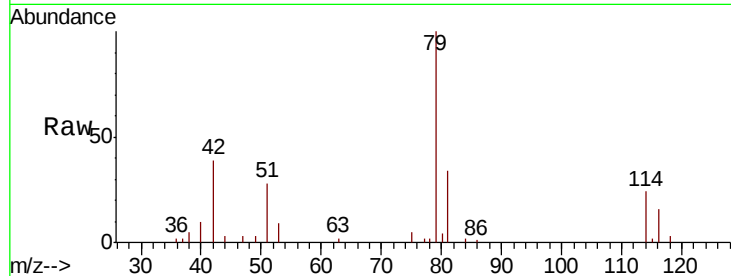
BG4S6

Tot Ion: 75 Resp: 762

Ion Ratio Lower Upper

75 100

77 50.6 23.8 44.2#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

8.19

400

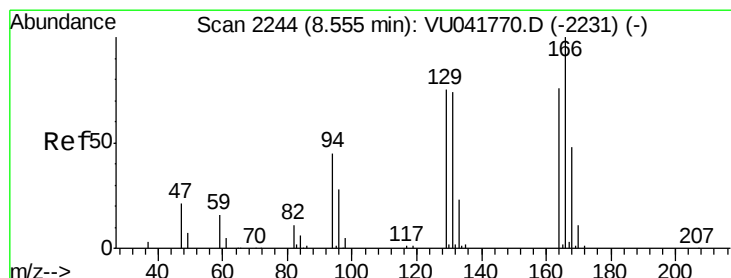
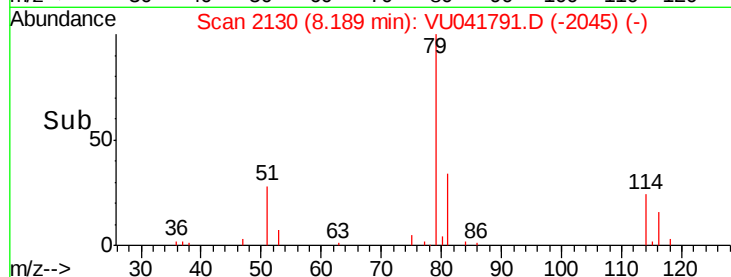
300

200

100

0

Time--> 8.14 8.16 8.18 8.20 8.22



#47

Tetrachloroethene

Concen: 0.173 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU041791.D

Acq: 23 Dec 2020 18:57

Tgt Ion:164 Resp: 1229

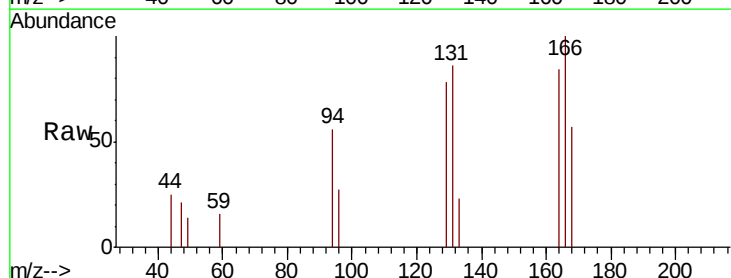
Ion Ratio Lower Upper

164 100

129 91.9 72.2 134.0

131 101.3 66.9 124.3

166 118.4 89.6 166.4



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

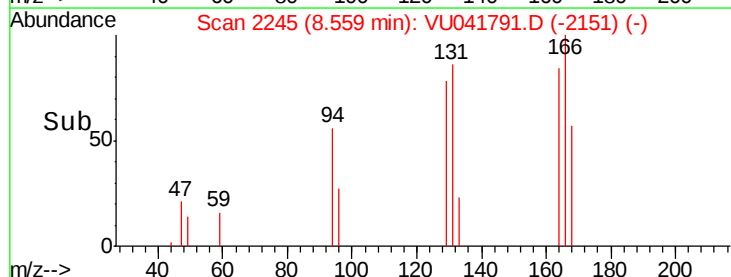
1500

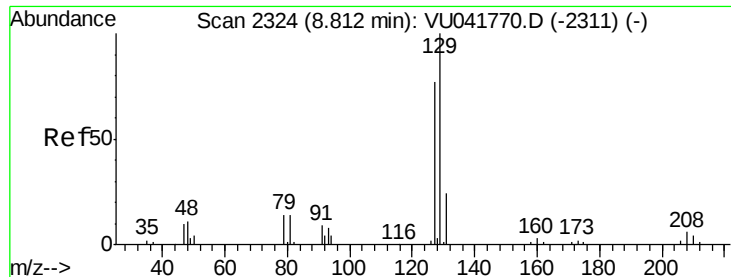
1000

500

0

Time--> 8.55 8.56 8.60





#49

Dibromochloromethane

Concen: 0.135 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.26 min

Lab File: VU041791.D

Acq: 23 Dec 2020 18:57

Instrument :

MSVOA_U

ClientSampleId :

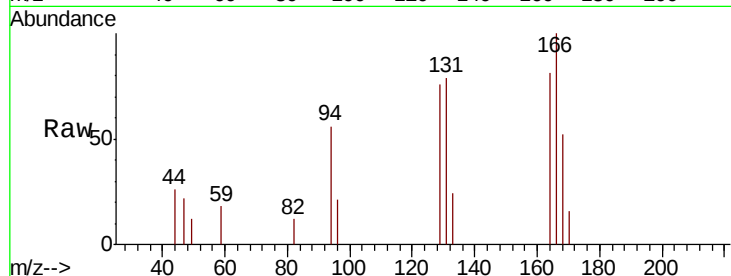
BG4S6

Tot Ion:129 Resp: 1180

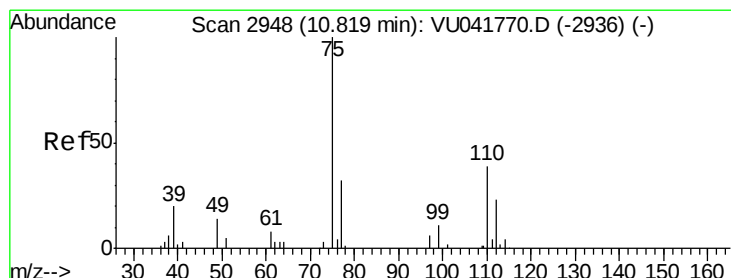
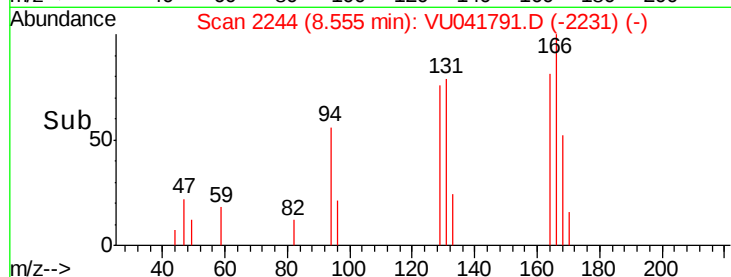
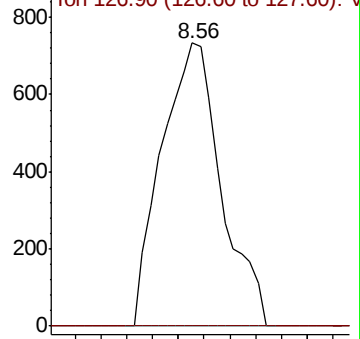
Ion Ratio Lower Upper

129 100

127 0.0 54.7 101.7#



Abundance Ion 128.95 (128.65 to 129.65): V



#59

1,2,3-Trichloropropane

Concen: 0.785 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.99 min

Lab File: VU041791.D

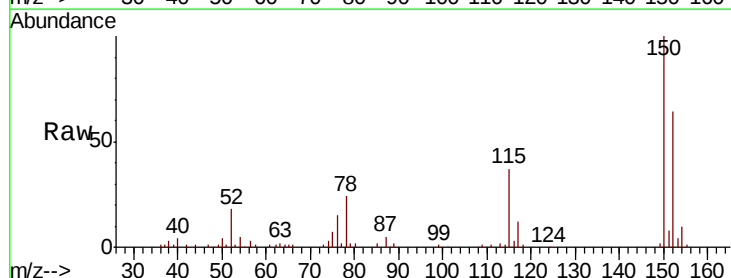
Acq: 23 Dec 2020 18:57

Tgt Ion: 75 Resp: 6071

Ion Ratio Lower Upper

75 100

77 33.6 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

