

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U122520\
 Data File : VU041810.D
 Acq On : 24 Dec 2020 16:41
 Operator : SY/MD
 Sample : L5185-10
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG4S6

Quant Time: Dec 25 03:48:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Dec 25 03:47:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	128491	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	124423	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	55858	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	39122	3.90	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.00%
7) Chloroethane-d5	1.92	69	39783	5.12	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.40%
11) 1,1-Dichloroethene-d2	2.57	63	60779	3.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.80%
20) 2-Butanone-d5	4.66	46	142799	49.49	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.98%
24) Chloroform-d	5.08	84	83924	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
26) 1,2-Dichloroethane-d4	5.72	65	47049	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.40%
32) Benzene-d6	5.74	84	150332	4.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.40%
36) 1,2-Dichloropropane-d6	6.70	67	51393	4.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.00%
41) Toluene-d8	7.90	98	127898	3.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.60%
43) trans-1,3-Dichloropropene-	8.18	79	20257	4.03	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.60%
46) 2-Hexanone-d5	8.64	63	124550	45.36	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.72%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	49509	4.88	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	50545	5.09	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.52	50	789	0.075	ug/L	98
8) Chloroethane	1.93	64	466	0.059	ug/L #	44
10) 1,1,2-Trichloro-1,2,2-trif	2.57	101	556	0.063	ug/L #	22
12) 1,1-Dichloroethene	2.59	96	2781	0.319	ug/L #	1
17) Methyl tert-butyl Ether	3.39	73	2287	0.098	ug/L #	77
19) 1,1-Dichloroethane	3.89	63	14526	0.862	ug/L	99
22) cis-1,2-Dichloroethene	4.69	96	2225	0.223	ug/L	95
25) Chloroform	5.11	83	7961	0.469	ug/L	96
27) 1,2-Dichloroethane	5.75	62	800	0.070	ug/L #	73
29) 1,1,1-Trichloroethane	5.33	97	6671	0.467	ug/L	98
31) Carbon tetrachloride	5.33	117	808	0.065	ug/L #	45
34) Trichloroethene	6.55	95	98234	9.824	ug/L	95
35) Methylcyclohexane	6.70	83	12138	0.751	ug/L #	19
37) 1,2-Dichloropropane	6.70	63	5530	0.543	ug/L #	88
39) cis-1,3-Dichloropropene	7.58	75	1414	0.094	ug/L #	78
47) Tetrachloroethene	8.56	164	1449	0.207	ug/L	91
49) Dibromochloromethane	8.56	129	1283	0.148	ug/L #	10

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU122520\
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Dec 25 03:47:04 2020
Response via : Initial Calibration

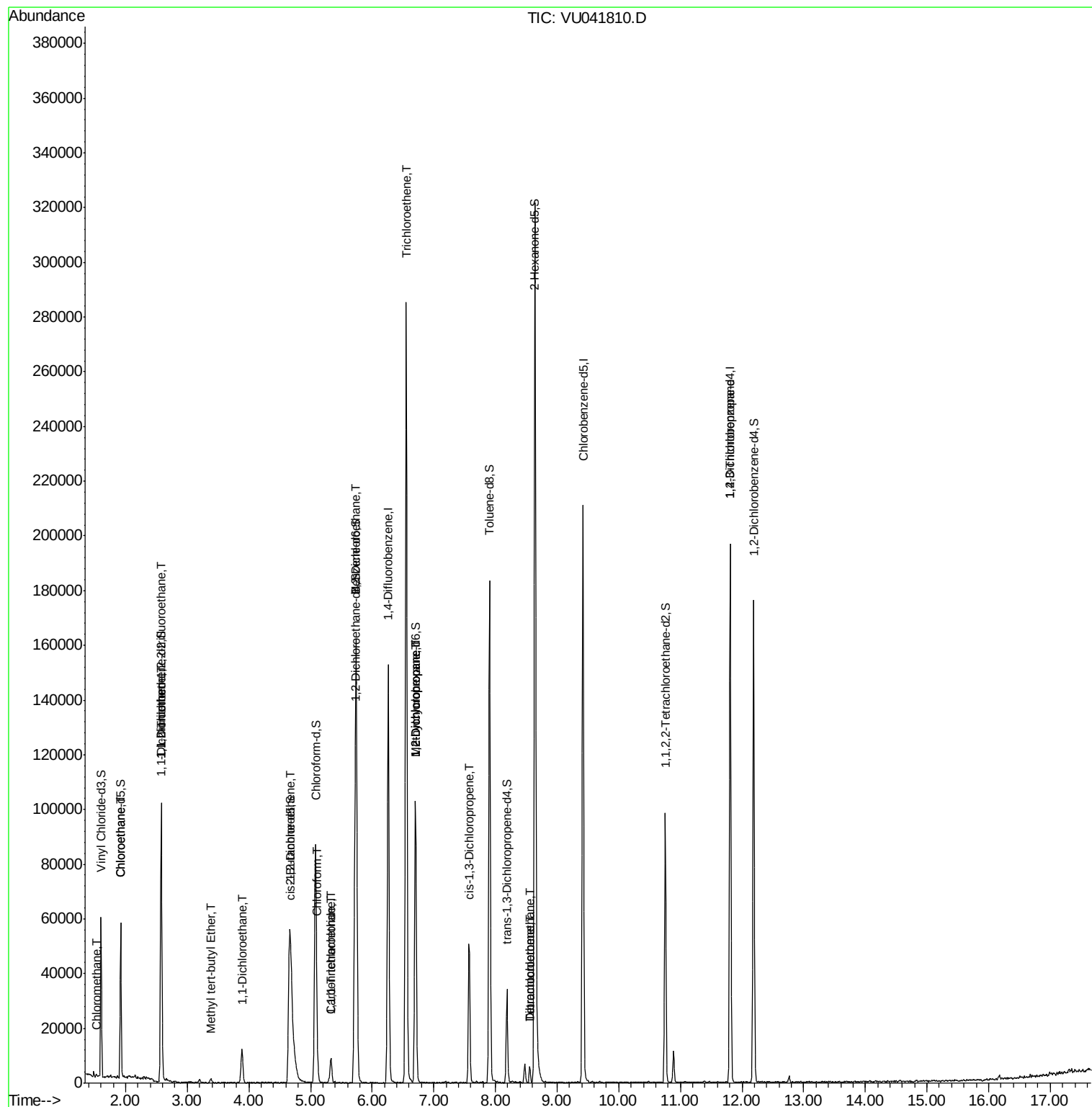
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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59) 1,2,3-Trichloropropane	11.81	75	5956	0.779	ug/L	98
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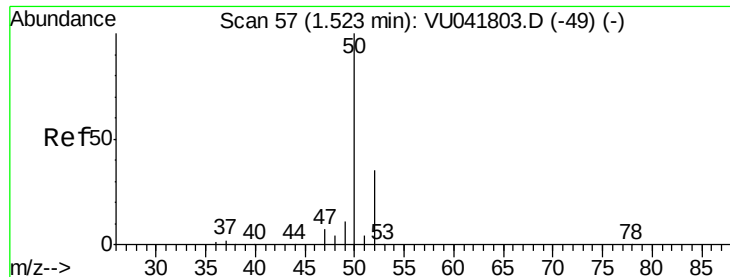
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU122520\
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QLast Update : Fri Dec 25 03:47:04 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.075 ug/L

RT: 1.52 min Scan# 57

Delta R.T. 0.00 min

Lab File: VU041810.D

Acq: 24 Dec 2020 16:41

Instrument :

MSVOA_U

ClientSampleId :

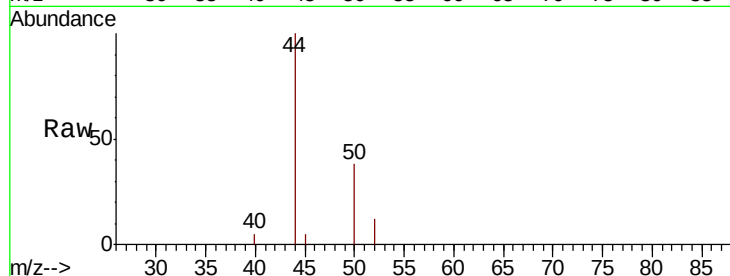
BG4S6

Tot Ion: 50 Resp: 789

Ion Ratio Lower Upper

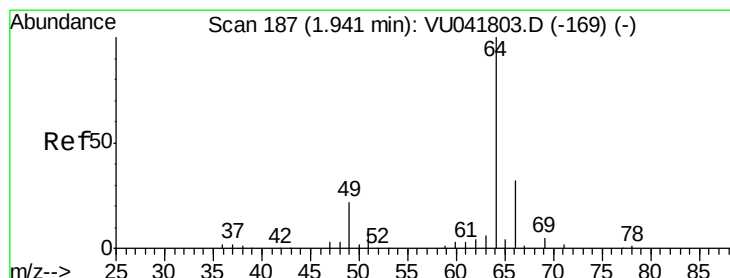
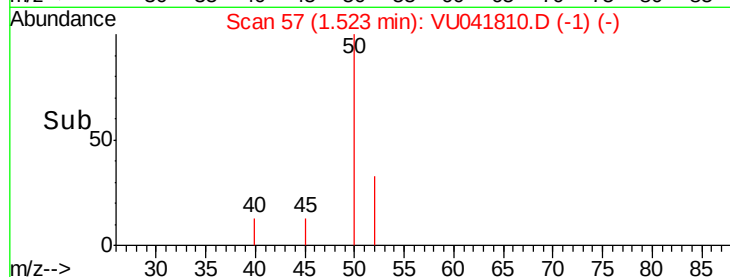
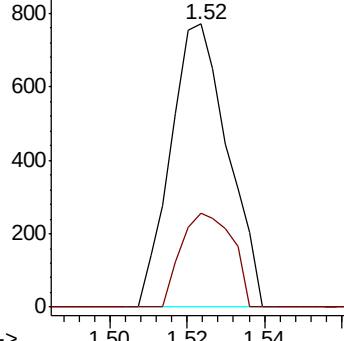
50 100

52 33.2 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: 0.059 ug/L

RT: 1.93 min Scan# 183

Delta R.T. -0.01 min

Lab File: VU041810.D

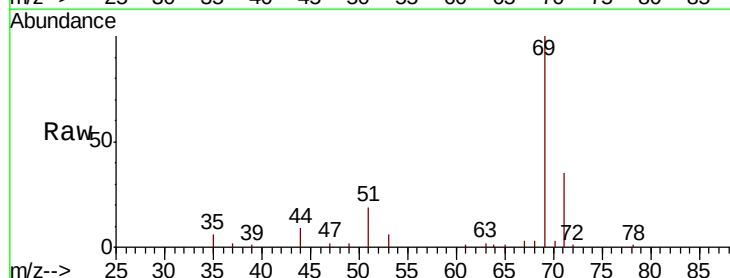
Acq: 24 Dec 2020 16:41

Tgt Ion: 64 Resp: 466

Ion Ratio Lower Upper

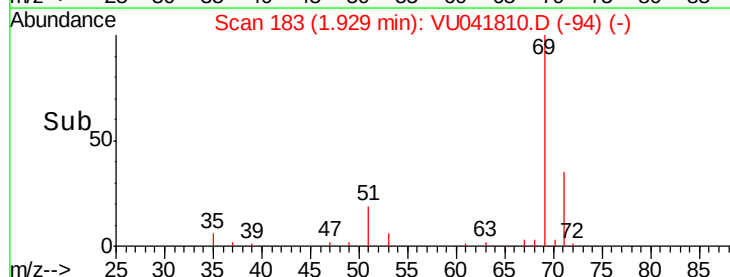
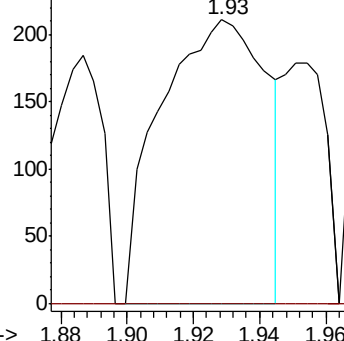
64 100

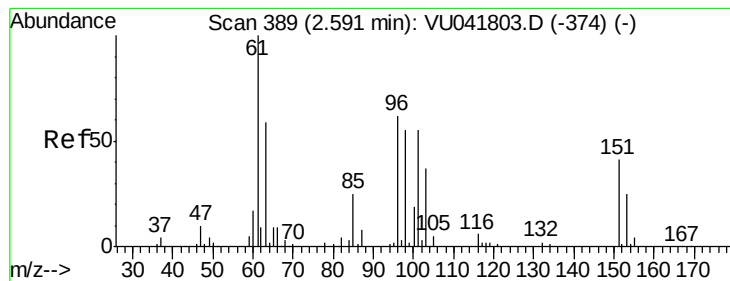
66 0.0 21.6 40.0#



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: 0.063 ug/L

RT: 2.57 min Scan# 384

Delta R.T. -0.02 min

Lab File: VU041810.D

Acq: 24 Dec 2020 16:41

Instrument :

MSVOA_U

ClientSampled :

BG4S6

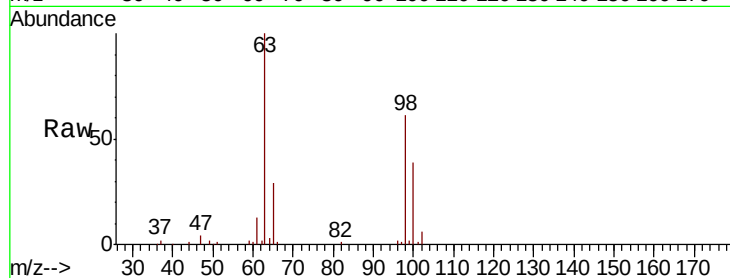
Tot Ion:101 Resp: 556

Ion Ratio Lower Upper

101 100

85 0.0 33.6 50.4#

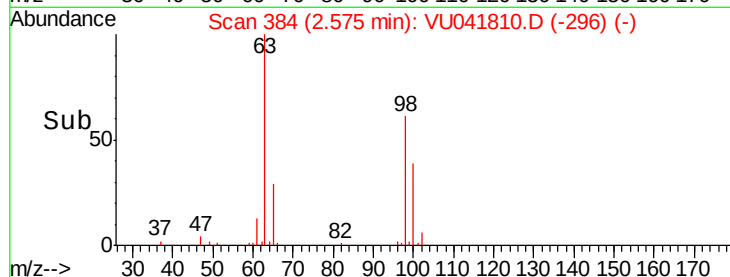
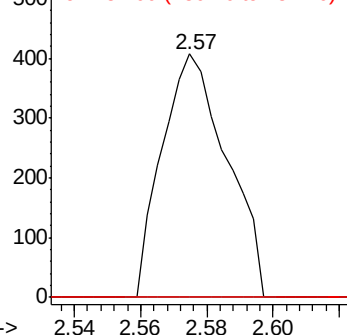
151 0.0 56.2 84.4#



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: 0.319 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU041810.D

Acq: 24 Dec 2020 16:41

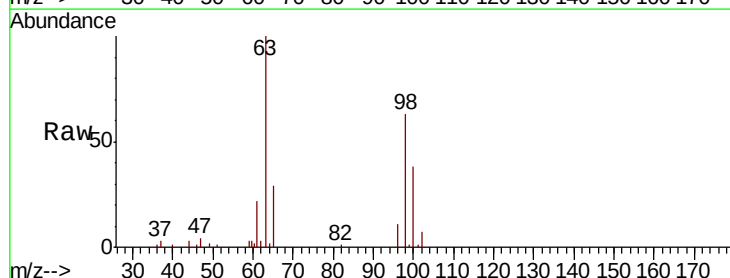
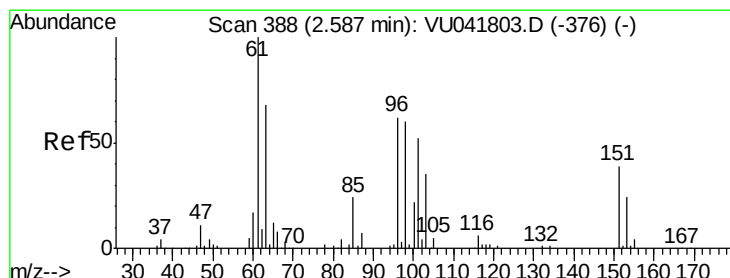
Tgt Ion: 96 Resp: 2781

Ion Ratio Lower Upper

96 100

61 197.0 123.8 230.0

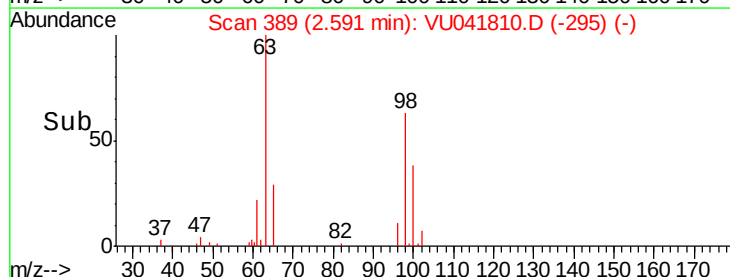
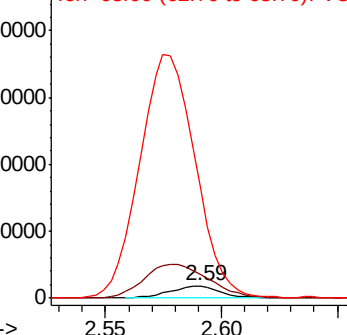
63 892.0 81.0 150.4#

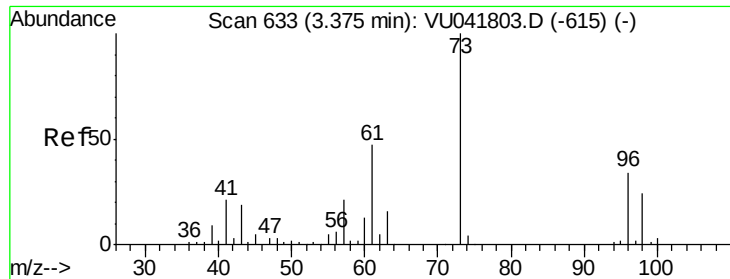


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

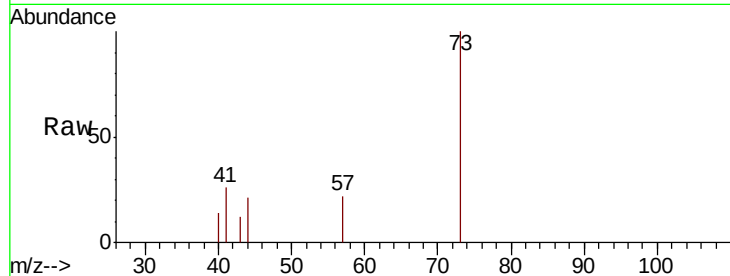




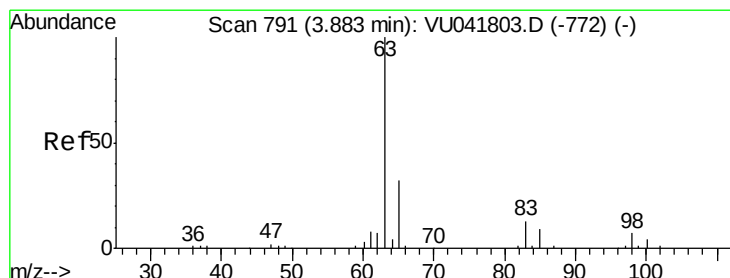
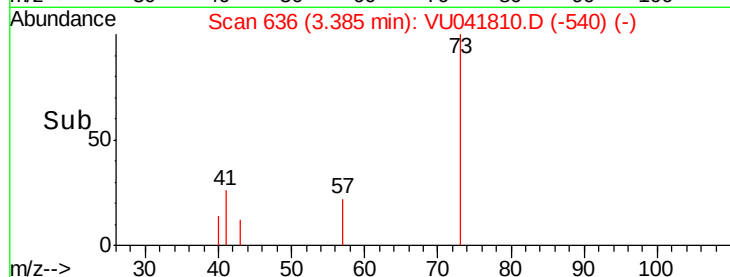
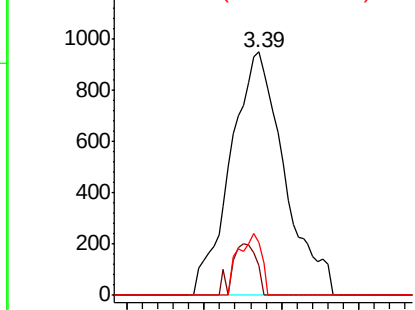
#17
Methyl tert-butyl Ether
Concen: 0.098 ug/L
RT: 3.39 min Scan# 636
Delta R.T. 0.01 min
Lab File: VU041810.D
Acq: 24 Dec 2020 16:41

Instrument :
MSVOA_U
ClientSampleId :
BG4S6

Tot Ion: 73 Resp: 2287
Ion Ratio Lower Upper
73 100
43 9.3 14.7 22.1#
57 10.8 18.2 27.4#

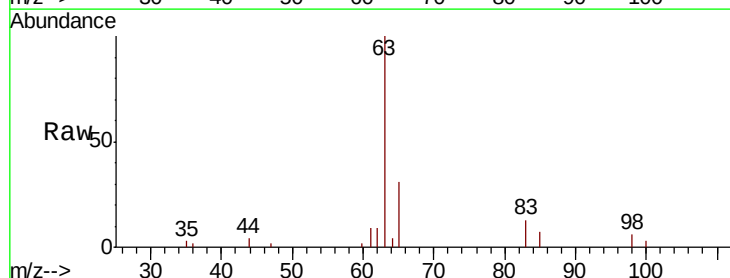


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

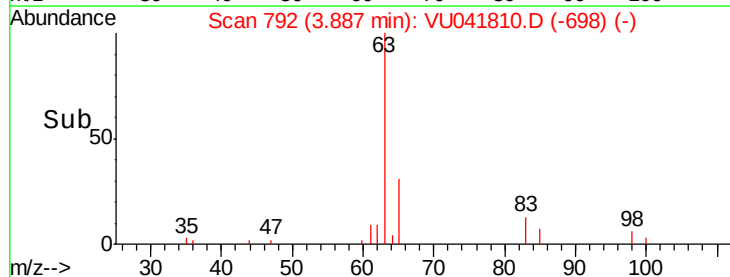
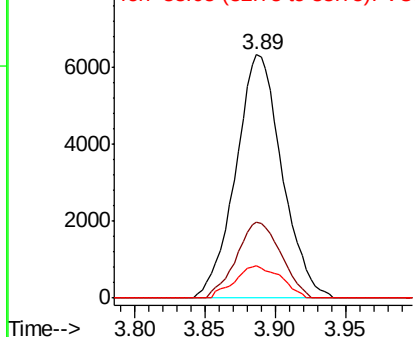


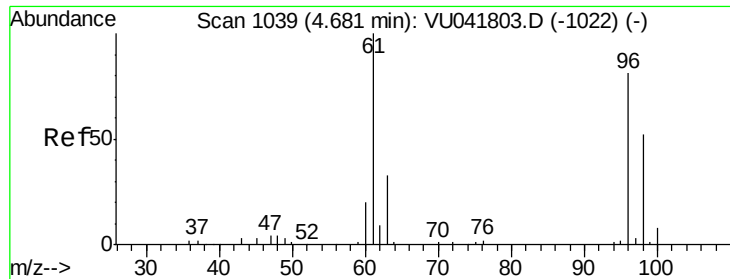
#19
1,1-Dichloroethane
Concen: 0.862 ug/L
RT: 3.89 min Scan# 792
Delta R.T. 0.00 min
Lab File: VU041810.D
Acq: 24 Dec 2020 16:41

Tgt Ion: 63 Resp: 14526
Ion Ratio Lower Upper
63 100
65 31.2 21.3 39.6
83 13.1 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

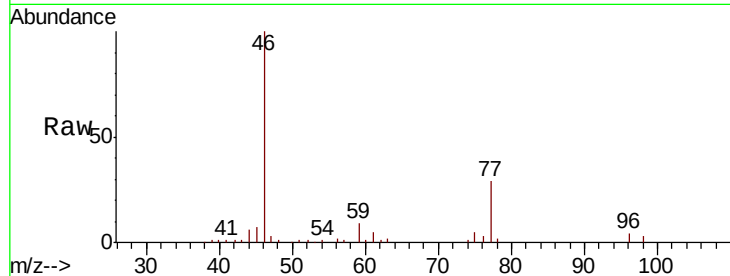




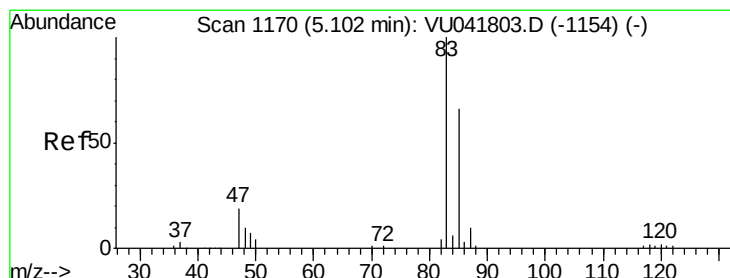
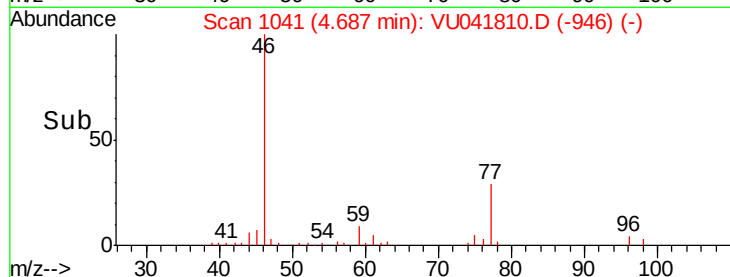
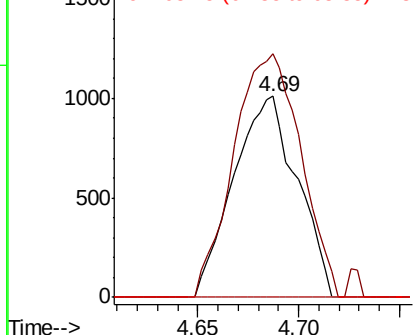
#22
 cis-1,2-Dichloroethene
 Concen: 0.223 ug/L
 RT: 4.69 min Scan# 1041
 Delta R.T. 0.01 min
 Lab File: VU041810.D
 Acq: 24 Dec 2020 16:41

Instrument :
 MSVOA_U
 ClientSampleId :
 BG4S6

Tot Ion: 96 Resp: 2225
 Ion Ratio Lower Upper
 96 100
 61 121.2 88.8 165.0
 68 0.0 0.0 0.0

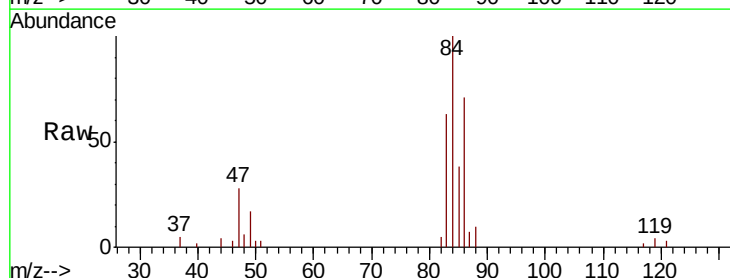


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

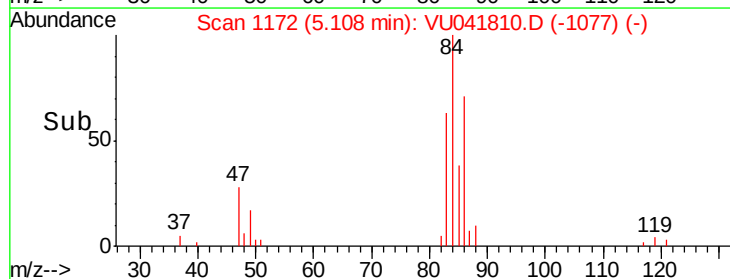
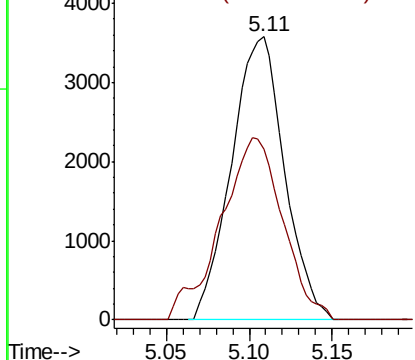


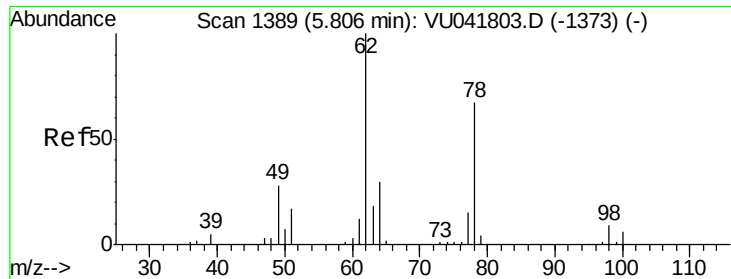
#25
 Chloroform
 Concen: 0.469 ug/L
 RT: 5.11 min Scan# 1172
 Delta R.T. 0.01 min
 Lab File: VU041810.D
 Acq: 24 Dec 2020 16:41

Tgt Ion: 83 Resp: 7961
 Ion Ratio Lower Upper
 83 100
 85 60.2 44.2 82.0



Abundance Ion 83.05 (82.75 to 83.75): VU0
 Ion 85.00 (84.70 to 85.70): VU0

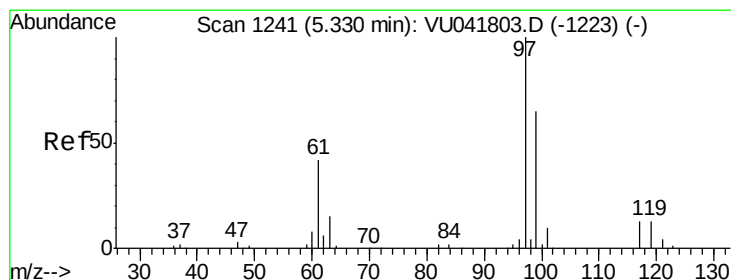
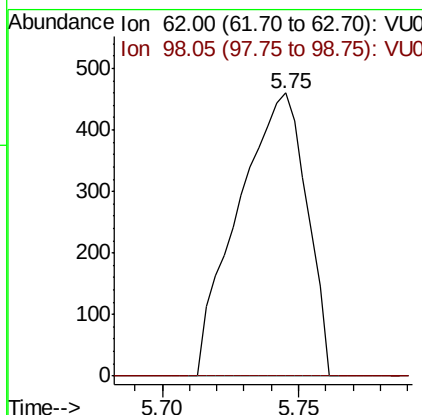
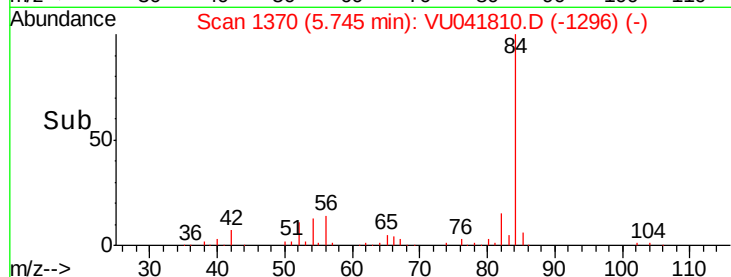
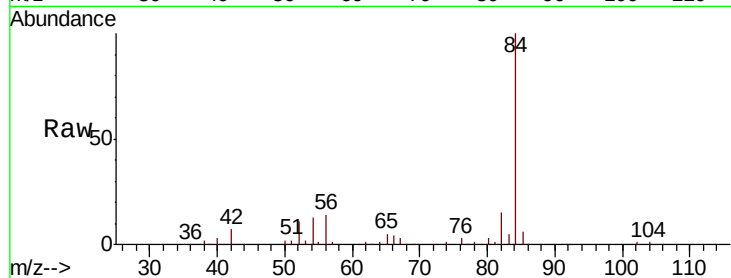




#27
 1,2-Dichloroethane
 Concen: 0.070 ug/L
 RT: 5.75 min Scan# 1370
 Delta R.T. -0.06 min
 Lab File: VU041810.D
 Acq: 24 Dec 2020 16:41

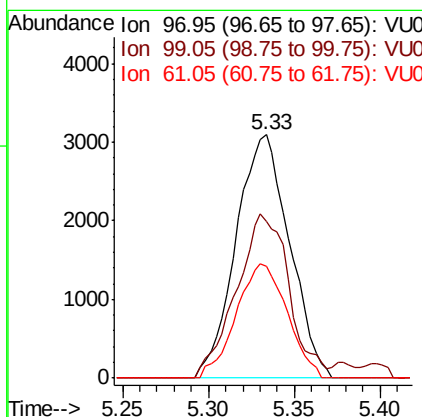
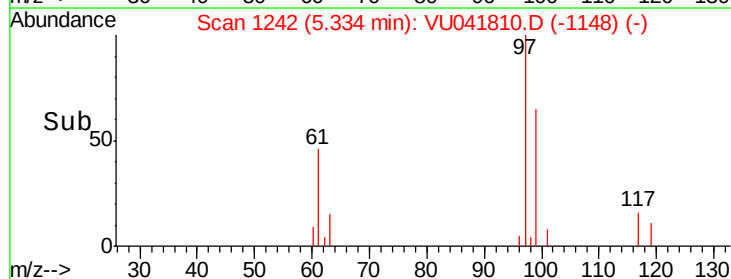
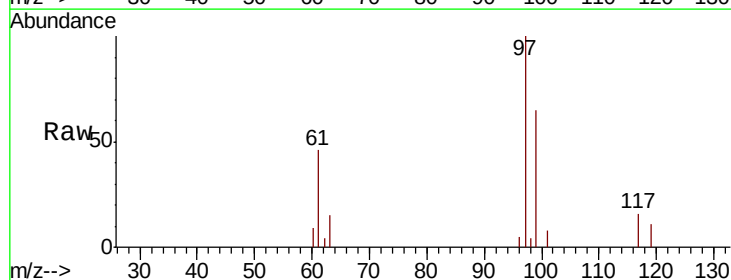
Instrument :
 MSVOA_U
 ClientSampled :
 BG4S6

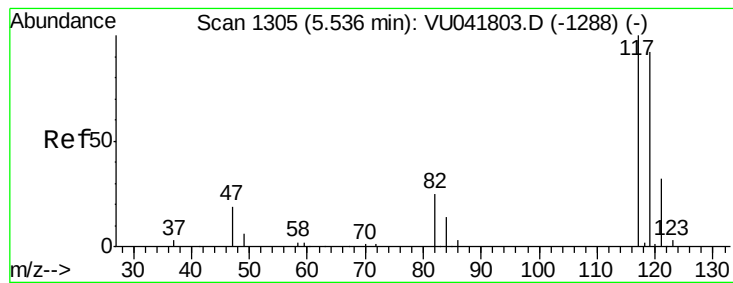
Tot Ion: 62 Resp: 800
 Ion Ratio Lower Upper
 62 100
 98 0.0 8.2 12.2#



#29
 1,1,1-Trichloroethane
 Concen: 0.467 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VU041810.D
 Acq: 24 Dec 2020 16:41

Tgt Ion: 97 Resp: 6671
 Ion Ratio Lower Upper
 97 100
 99 66.4 51.3 76.9
 61 44.7 36.5 54.7





#31

Carbon tetrachloride

Concen: 0.065 ug/L

RT: 5.33 min Scan# 1242

Delta R.T. -0.20 min

Lab File: VU041810.D

Acq: 24 Dec 2020 16:41

Instrument :

MSVOA_U

ClientSampled :

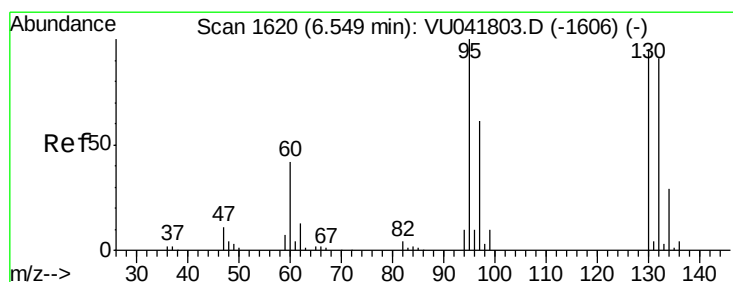
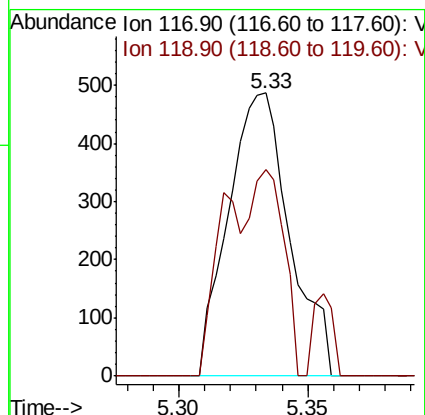
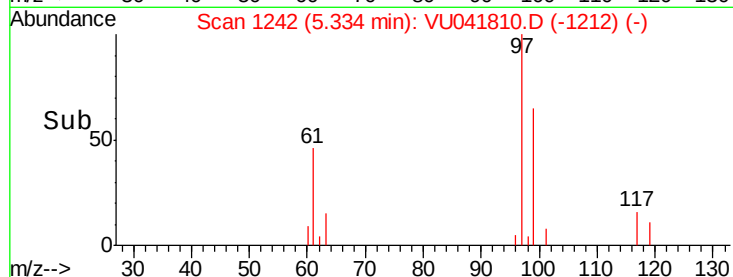
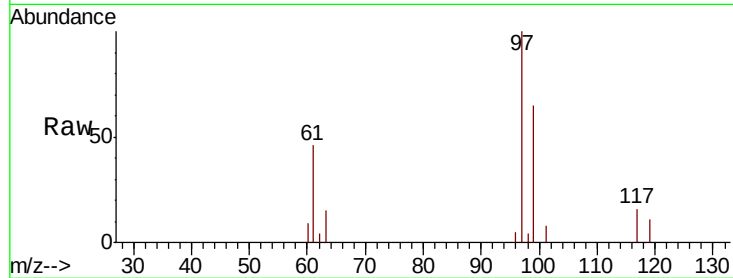
BG4S6

Tot Ion:117 Resp: 808

Ion Ratio Lower Upper

117 100

119 41.5 76.2 114.2#



#34

Trichloroethene

Concen: 9.824 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VU041810.D

Acq: 24 Dec 2020 16:41

Tgt Ion: 95 Resp: 98234

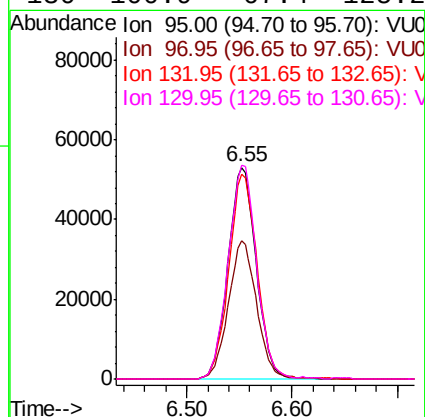
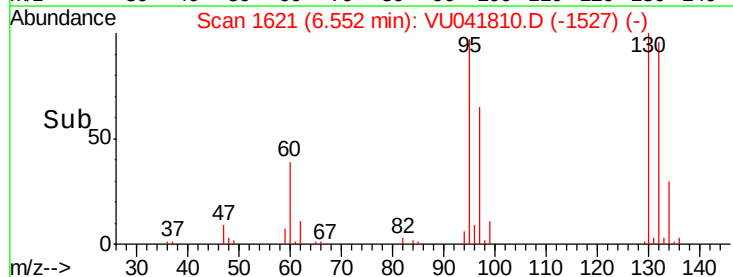
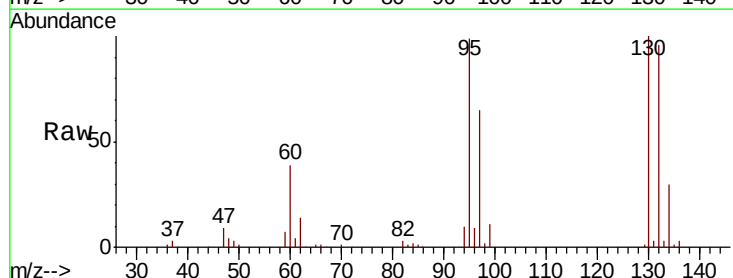
Ion Ratio Lower Upper

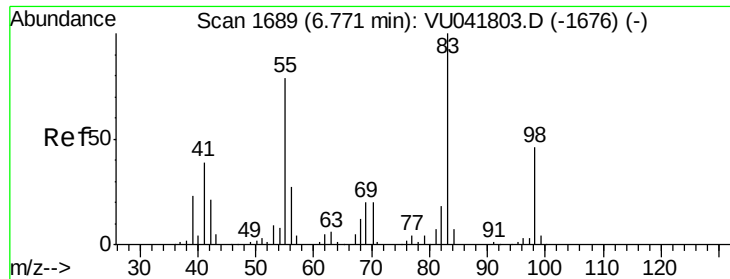
95 100

97 65.4 43.9 81.5

132 96.8 63.1 117.3

130 100.9 67.4 125.2

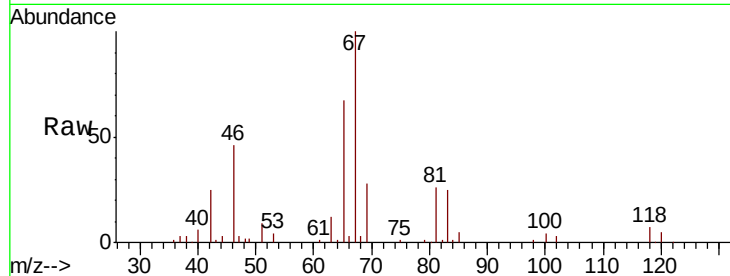




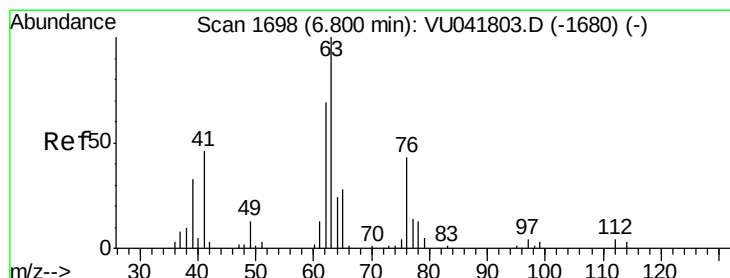
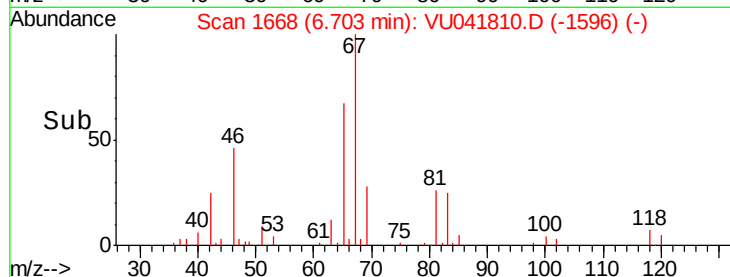
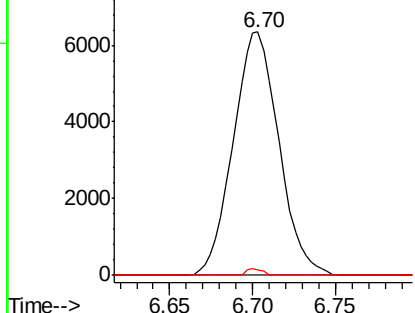
#35
Methylvlcyclohexane
Concen: 0.751 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU041810.D
Acq: 24 Dec 2020 16:41

Instrument :
MSVOA_U
ClientSampleId :
BG4S6

Tot Ion	83.15	Resp	12138
Ion Ratio	Lower	Upper	
83	100		
55	0.0	61.2	91.8#
98	0.9	36.6	54.8#

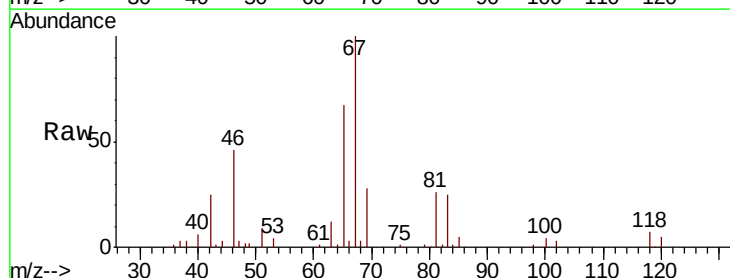


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

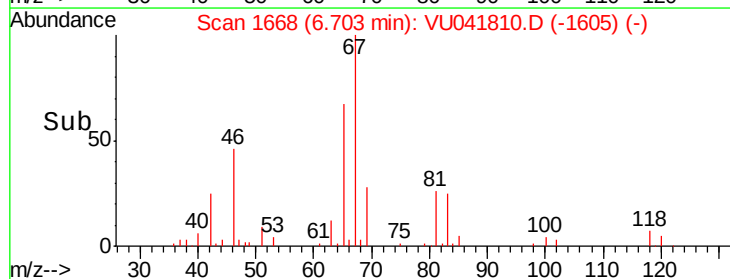
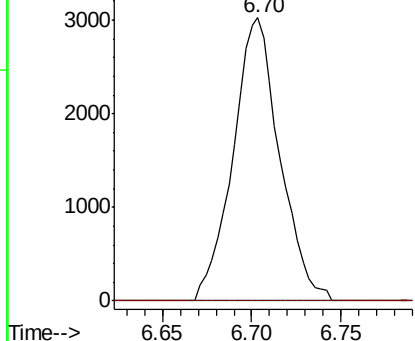


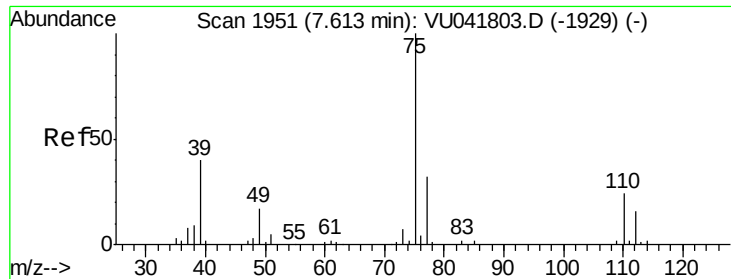
#37
1,2-Dichloropropane
Concen: 0.543 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU041810.D
Acq: 24 Dec 2020 16:41

Tgt Ion	63	Resp	5530
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

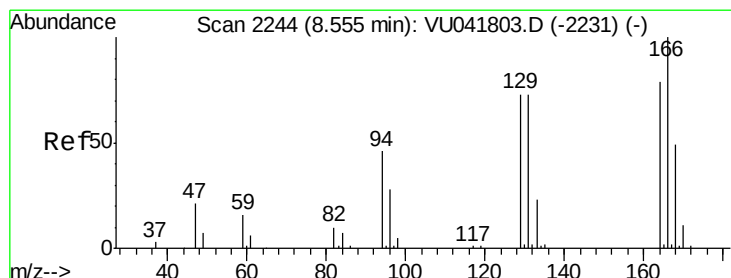
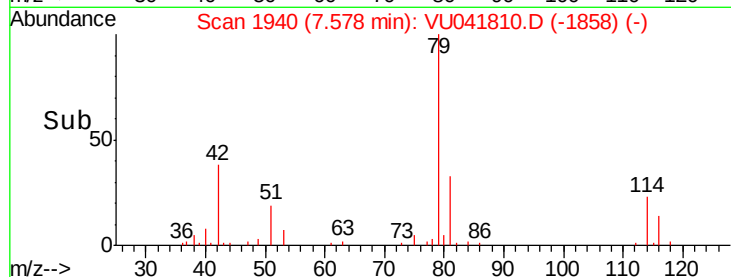
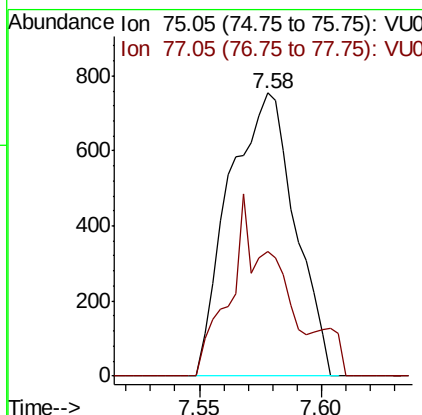
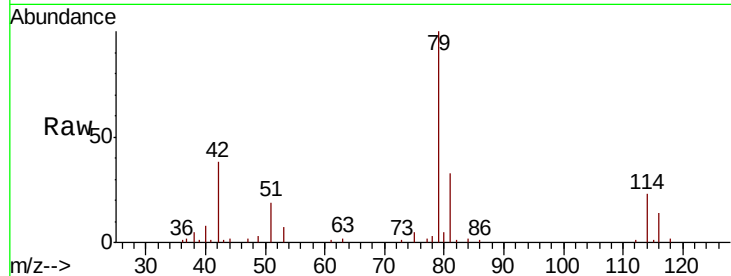




#39
 cis-1,3-Dichloropropene
 Concen: 0.094 ug/L
 RT: 7.58 min Scan# 1940
 Delta R.T. -0.04 min
 Lab File: VU041810.D
 Acq: 24 Dec 2020 16:41

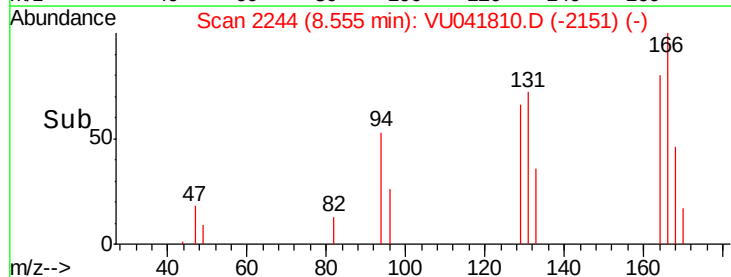
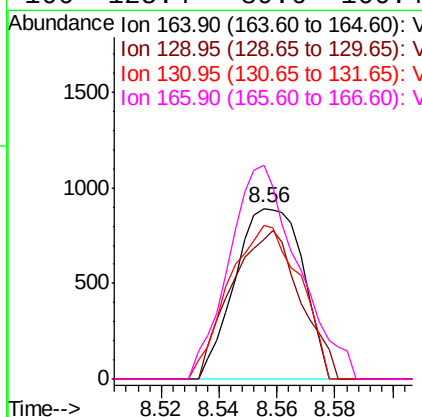
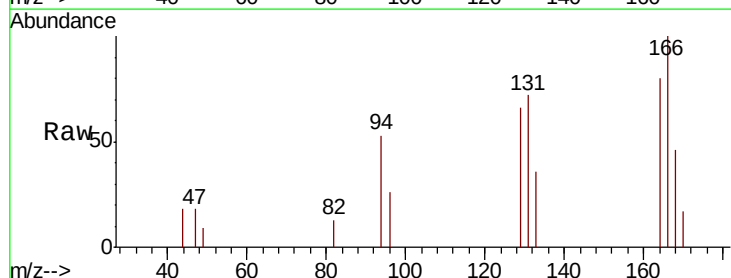
Instrument :
 MSVOA_U
 ClientSampleId :
 BG4S6

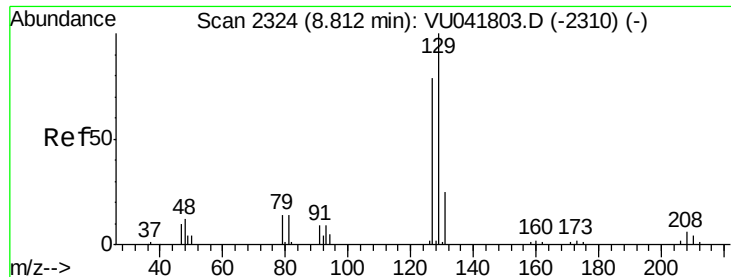
Tot Ion: 75 Resp: 1414
 Ion Ratio Lower Upper
 75 100
 77 44.0 22.3 41.3#



#47
 Tetrachloroethene
 Concen: 0.207 ug/L
 RT: 8.56 min Scan# 2244
 Delta R.T. 0.00 min
 Lab File: VU041810.D
 Acq: 24 Dec 2020 16:41

Tgt Ion:164 Resp: 1449
 Ion Ratio Lower Upper
 164 100
 129 82.3 72.2 134.0
 131 90.2 66.9 124.3
 166 125.4 89.6 166.4





#49

Dibromochloromethane

Concen: 0.148 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.25 min

Lab File: VU041810.D

Acq: 24 Dec 2020 16:41

Instrument :

MSVOA_U

ClientSampleId :

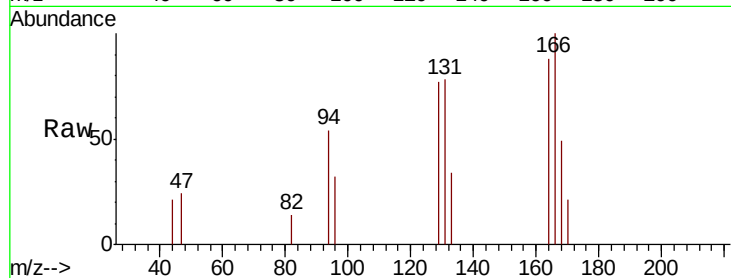
BG4S6

Tot Ion:129 Resp: 1283

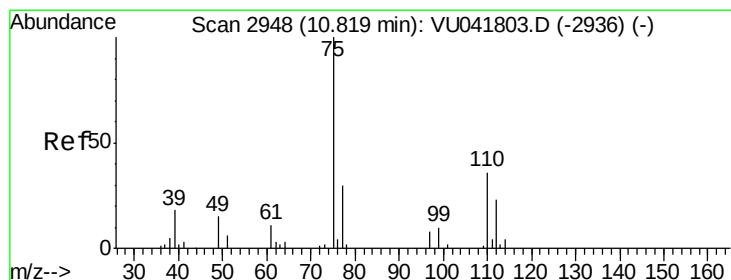
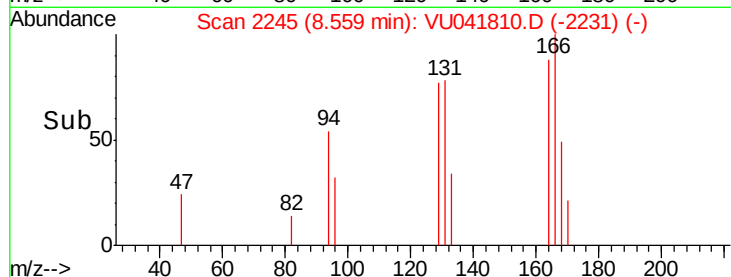
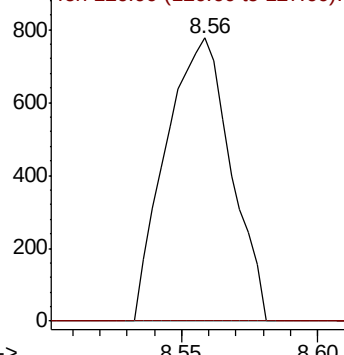
Ion Ratio Lower Upper

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: 0.779 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.99 min

Lab File: VU041810.D

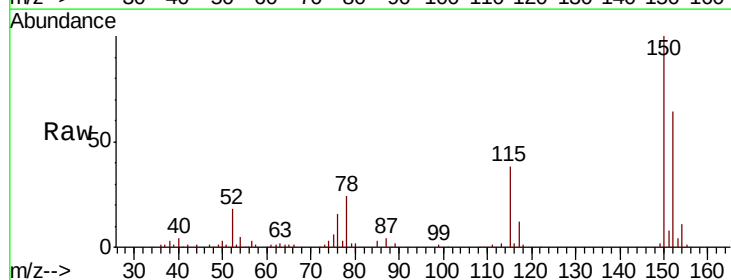
Acq: 24 Dec 2020 16:41

Tgt Ion: 75 Resp: 5956

Ion Ratio Lower Upper

75 100

77 33.6 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

