

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U122320\
 Data File : VU041792.D
 Acq On : 23 Dec 2020 19:21
 Operator : SY/MD
 Sample : L5185-11
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG4S7

Quant Time: Dec 24 01:14:02 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	127023	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	119908	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	52867	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	37146	3.74	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.80%
7) Chloroethane-d5	1.92	69	39548	5.14	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.80%
11) 1,1-Dichloroethene-d2	2.58	63	59368	3.25	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.00%
20) 2-Butanone-d5	4.67	46	145253	50.92	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.84%
24) Chloroform-d	5.08	84	87983	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.40%
26) 1,2-Dichloroethane-d4	5.72	65	46941	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.20%
32) Benzene-d6	5.74	84	158028	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.00%
36) 1,2-Dichloropropane-d6	6.70	67	57018	5.30	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.00%
41) Toluene-d8	7.90	98	122221	3.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.80%
43) trans-1,3-Dichloropropene-	8.19	79	20151	4.16	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.20%
46) 2-Hexanone-d5	8.64	63	125318	47.36	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.72%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	48616	4.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	46992	5.00	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	577	0.055	ug/L	84
10) 1,1,2-Trichloro-1,2,2-trif	2.57	101	489	0.056	ug/L #	22
12) 1,1-Dichloroethene	2.59	96	2391	0.277	ug/L #	1
13) Acetone	2.69	43	1339	0.738	ug/L	77
19) 1,1-Dichloroethane	3.89	63	13604	0.817	ug/L	97
22) cis-1,2-Dichloroethene	4.68	96	8268	0.839	ug/L	84
25) Chloroform	5.10	83	7087	0.422	ug/L	98
29) 1,1,1-Trichloroethane	5.33	97	4930	0.358	ug/L	97
34) Trichloroethene	6.55	95	825228	85.637	ug/L	97
35) Methylcyclohexane	6.70	83	13195	0.847	ug/L #	19
37) 1,2-Dichloropropane	6.70	63	5850	0.596	ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1162	0.080	ug/L #	22
44) trans-1,3-Dichloropropene	8.19	75	761	0.059	ug/L #	76
47) Tetrachloroethene	8.56	164	9141	1.355	ug/L	95
48) 2-Hexanone	8.64	43	15153	2.983	ug/L #	67
49) Dibromochloromethane	8.56	129	8734	1.048	ug/L #	10
59) 1,2,3-Trichloropropane	11.81	75	5558	0.754	ug/L	95

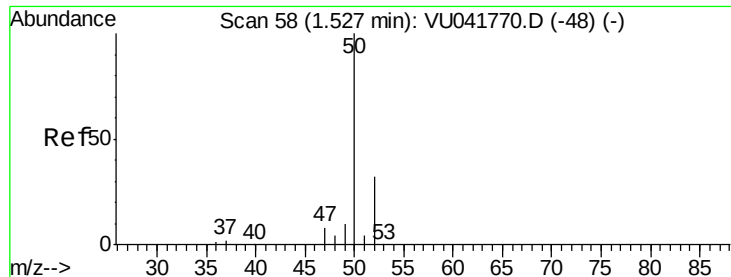
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU122320\
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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Dec 24 01:08:18 2020
Response via : Initial Calibration

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



#3

Chloromethane

Concen: 0.055 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU041792.D

Acq: 23 Dec 2020 19:21

Instrument :

MSVOA_U

ClientSampleId :

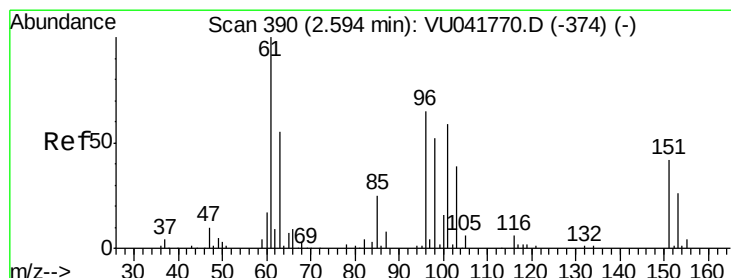
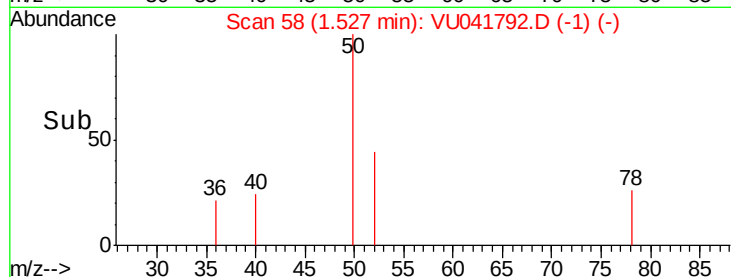
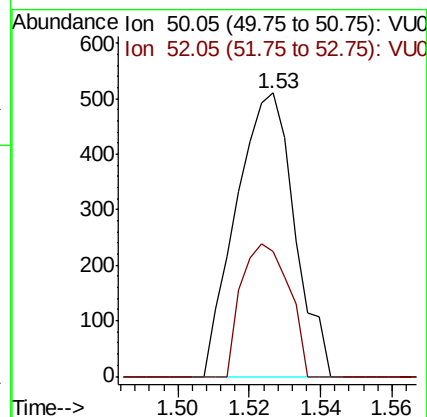
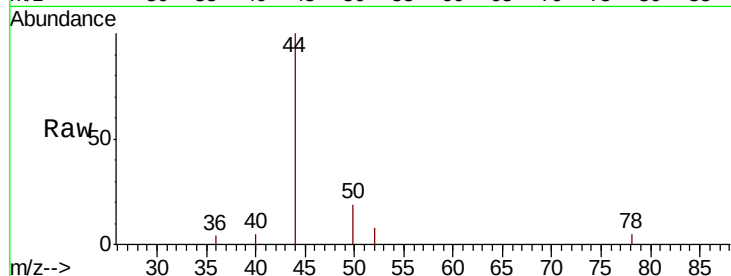
BG4S7

Tot Ion: 50 Resp: 577

Ion Ratio Lower Upper

50 100

52 43.9 24.1 44.8



#10

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

Concen: 0.056 ug/L

RT: 2.57 min Scan# 384

Delta R.T. -0.02 min

Lab File: VU041792.D

Acq: 23 Dec 2020 19:21

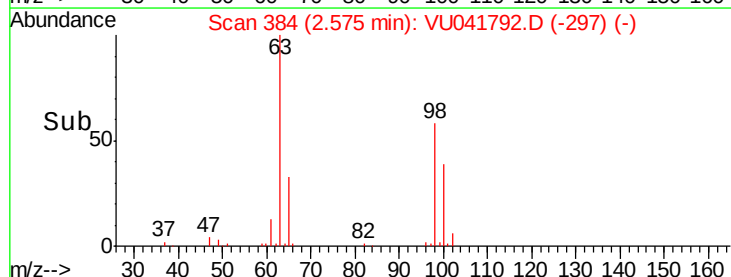
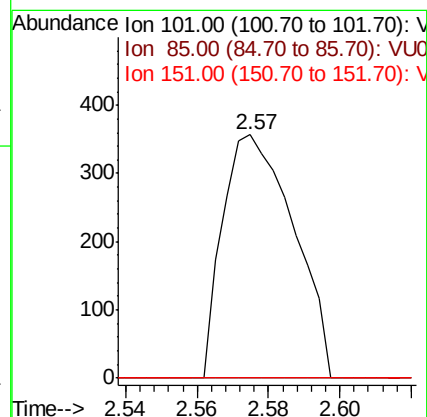
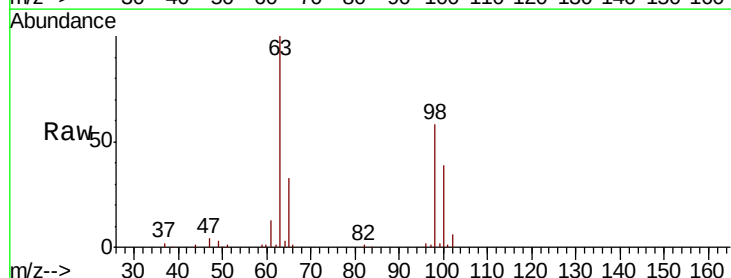
Tgt Ion: 101 Resp: 489

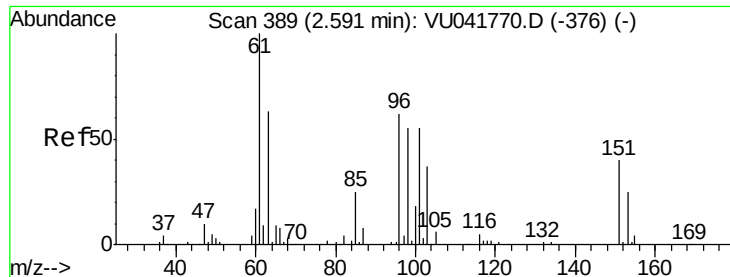
Ion Ratio Lower Upper

101 100

85 0.0 33.6 50.4#

151 0.0 56.2 84.4#

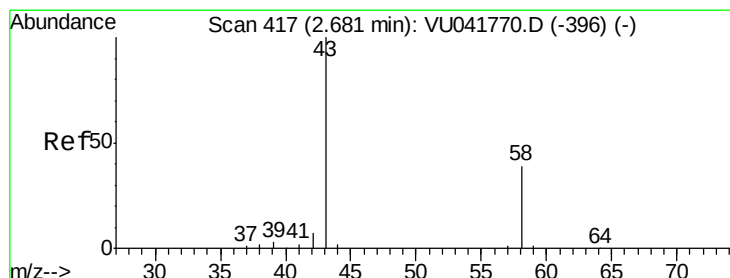
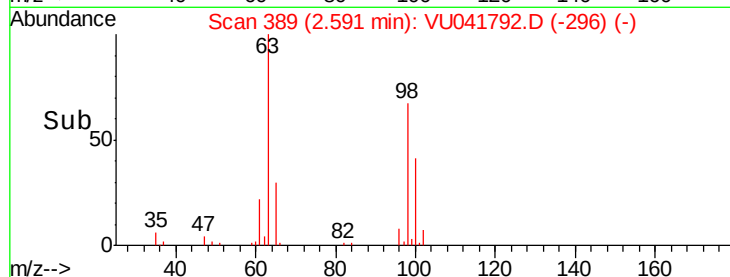
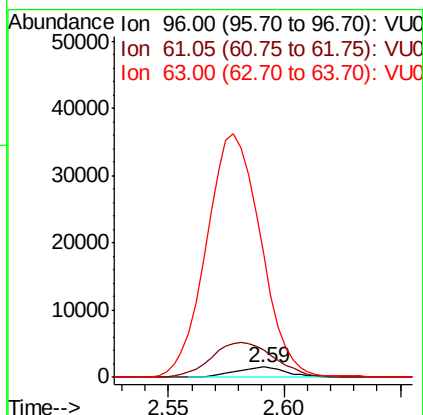
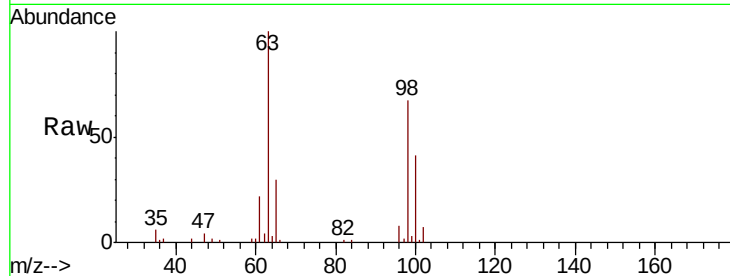




#12
 1,1-Dichloroethene
 Concen: 0.277 ug/L
 RT: 2.59 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VU041792.D
 Acq: 23 Dec 2020 19:21

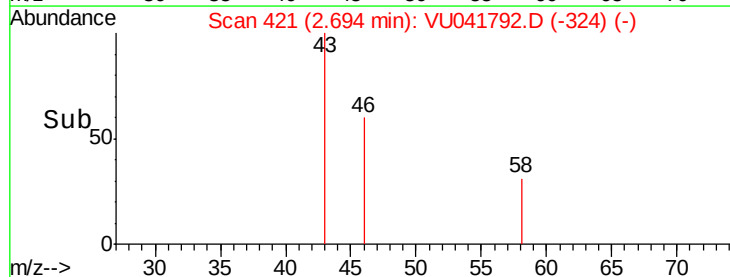
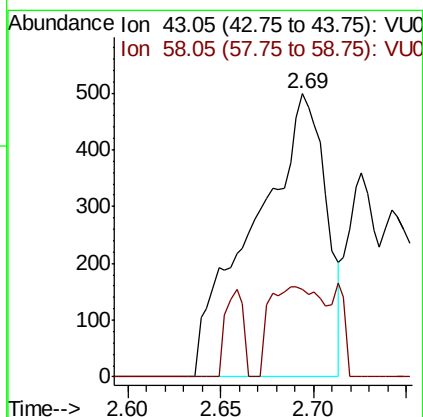
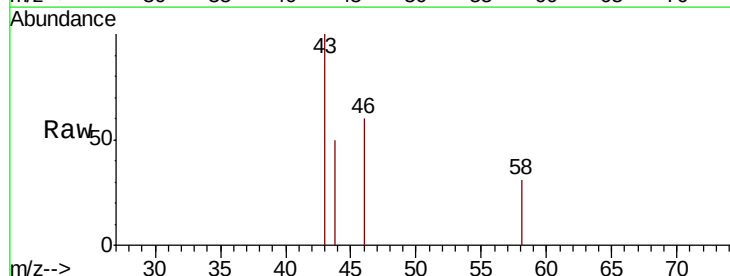
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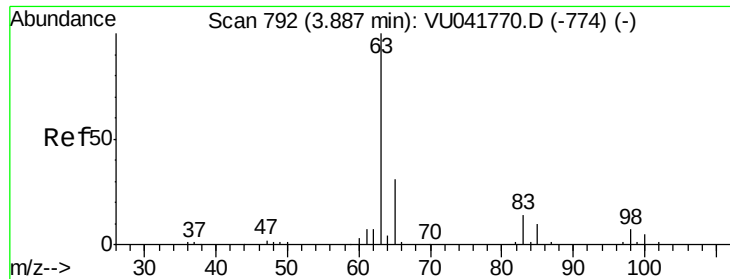
Tot Ion: 96 Resp: 2391
 Ion Ratio Lower Upper
 96 100
 61 270.3 123.8 230.0#
 63 1206.9 81.0 150.4#



#13
 Acetone
 Concen: 0.738 ug/L
 RT: 2.69 min Scan# 421
 Delta R.T. 0.01 min
 Lab File: VU041792.D
 Acq: 23 Dec 2020 19:21

Tgt Ion: 43 Resp: 1339
 Ion Ratio Lower Upper
 43 100
 58 23.0 0.0 73.2





#19

1,1-Dichloroethane

Concen: 0.817 ug/L

RT: 3.89 min Scan# 792

Delta R.T. 0.00 min

Lab File: VU041792.D

Acq: 23 Dec 2020 19:21

Instrument :

MSVOA_U

ClientSampleId :

BG4S7

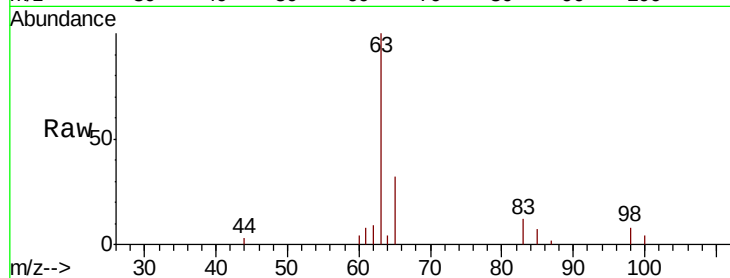
Tot Ion: 63 Resp: 13604

Ion Ratio Lower Upper

63 100

65 31.8 21.3 39.6

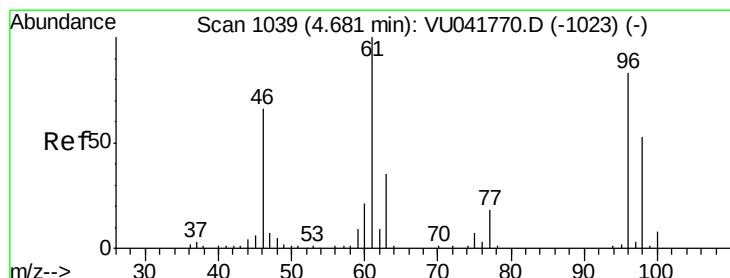
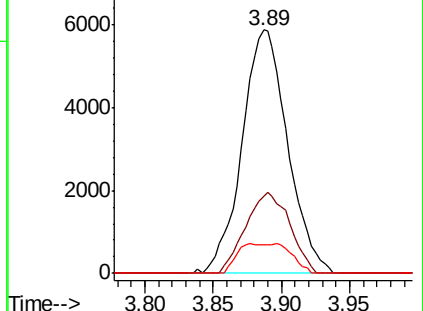
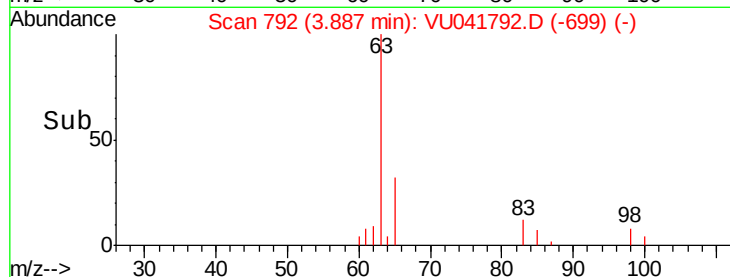
83 11.7 9.3 17.3



Abundance Ion 63.10 (62.80 to 63.80): VU041792.D (-699) (-)

Ion 65.10 (64.80 to 65.80): VU041792.D (-699) (-)

Ion 83.05 (82.75 to 83.75): VU041792.D (-699) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.839 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VU041792.D

Acq: 23 Dec 2020 19:21

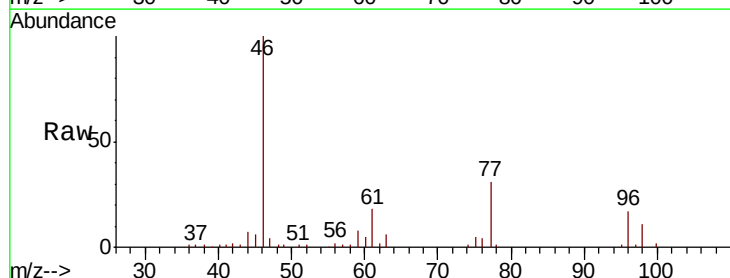
Tgt Ion: 96 Resp: 8268

Ion Ratio Lower Upper

96 100

61 108.1 88.8 165.0

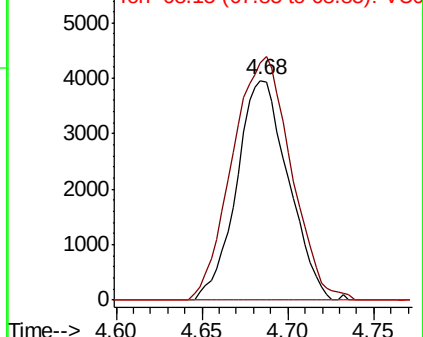
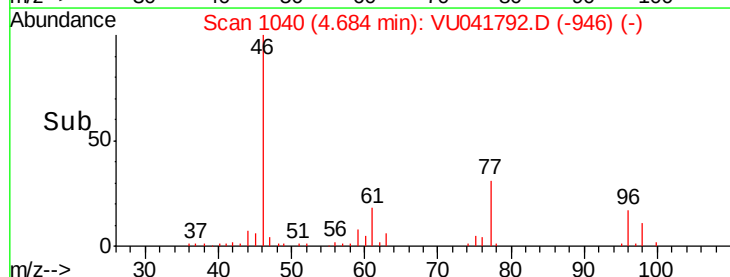
68 0.0 0.0 0.0

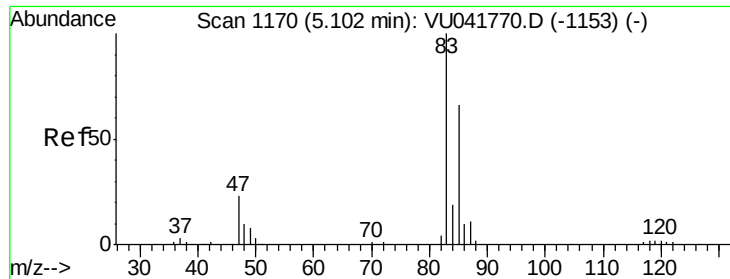


Abundance Ion 96.00 (95.70 to 96.70): VU041792.D (-946) (-)

Ion 61.05 (60.75 to 61.75): VU041792.D (-946) (-)

Ion 68.15 (67.85 to 68.85): VU041792.D (-946) (-)

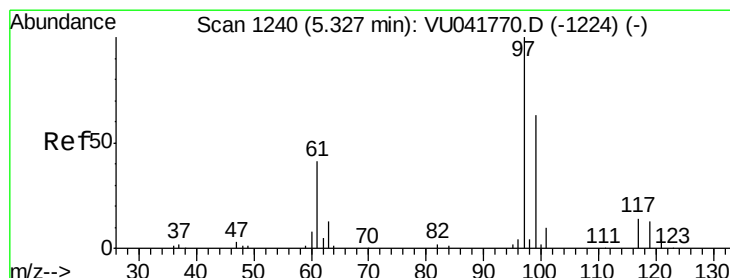
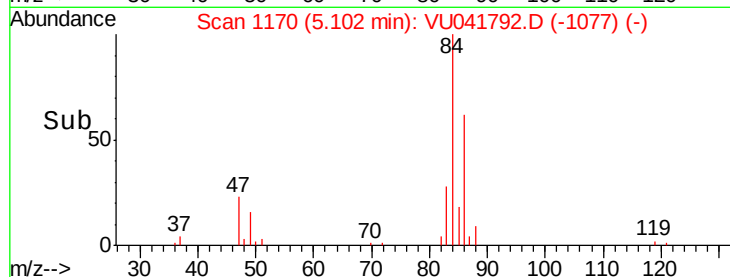
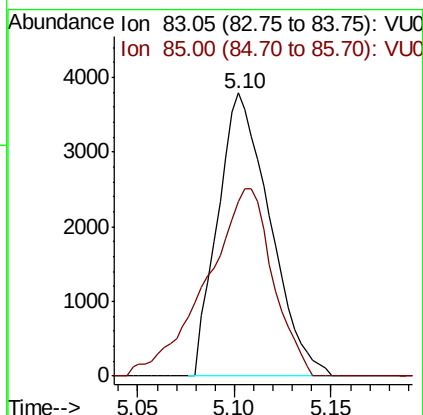
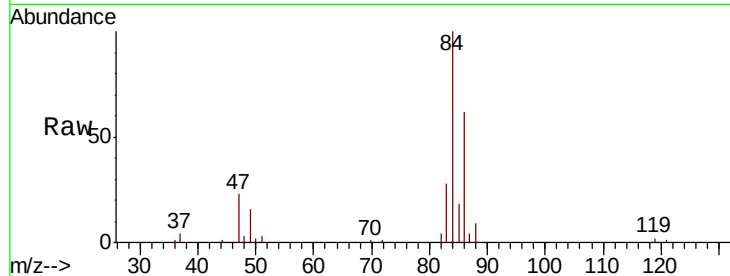




#25
Chloroform
Concen: 0.422 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. 0.00 min
Lab File: VU041792.D
Acq: 23 Dec 2020 19:21

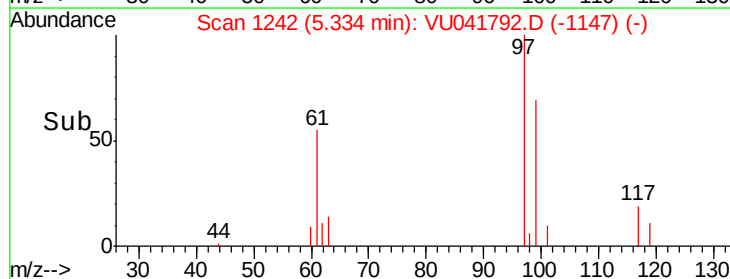
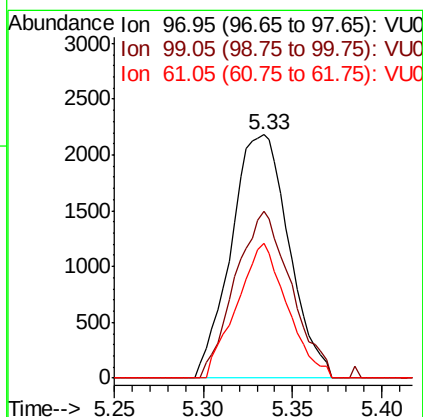
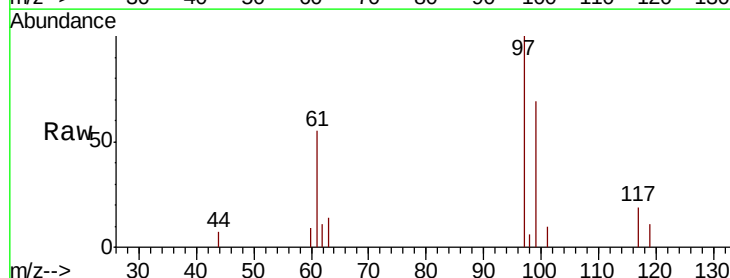
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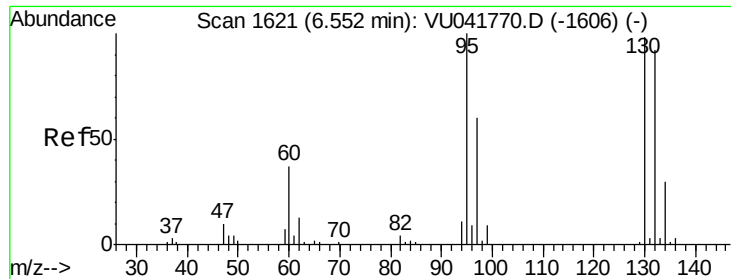
Tot Ion: 83 Resp: 7087
Ion Ratio Lower Upper
83 100
85 61.8 44.2 82.0



#29
1,1,1-Trichloroethane
Concen: 0.358 ug/L
RT: 5.33 min Scan# 1242
Delta R.T. 0.01 min
Lab File: VU041792.D
Acq: 23 Dec 2020 19:21

Tgt Ion: 97 Resp: 4930
Ion Ratio Lower Upper
97 100
99 66.1 51.3 76.9
61 48.4 36.5 54.7

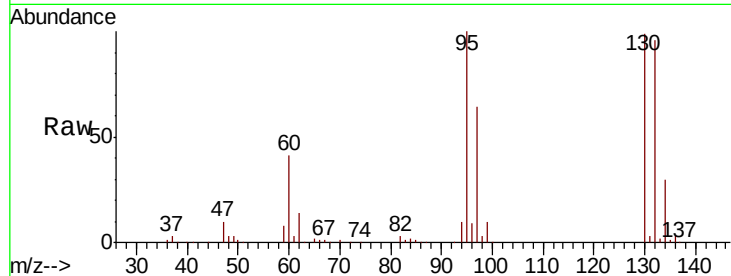




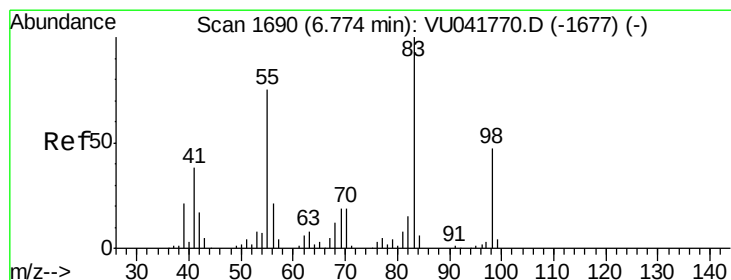
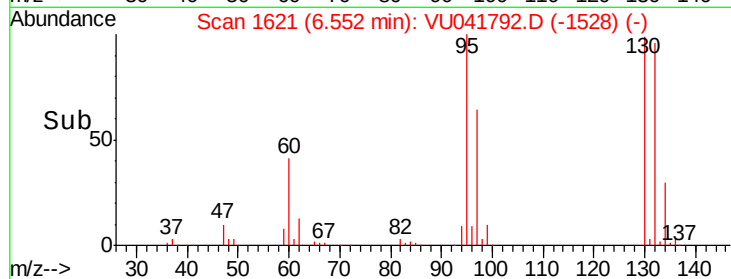
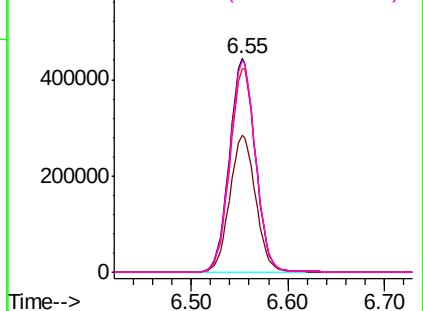
#34
 Trichloroethene
 Concen: 85.637 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: VU041792.D
 Acq: 23 Dec 2020 19:21

Instrument :
 MSVOA_U
 ClientSampleId :
 BG4S7

Tot Ion: 95 Resp: 825228
 Ion Ratio Lower Upper
 95 100
 97 63.9 43.9 81.5
 132 95.5 63.1 117.3
 130 98.8 67.4 125.2

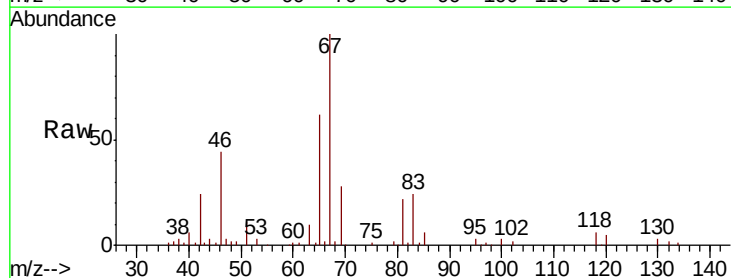


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

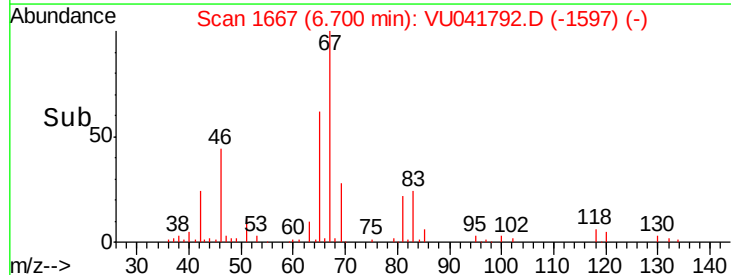
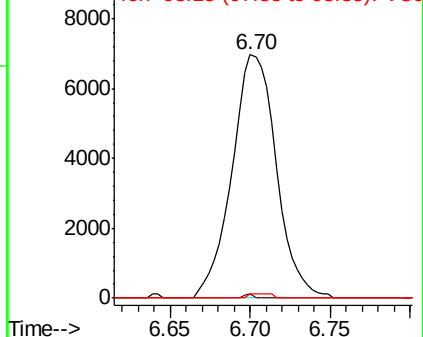


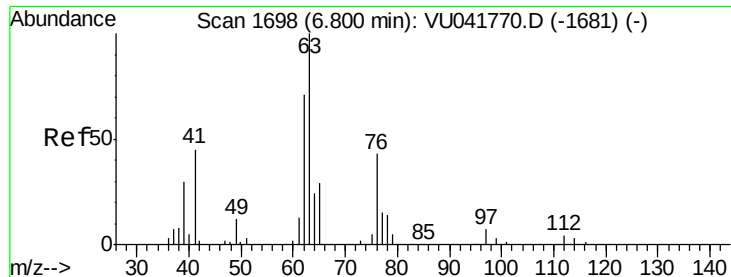
#35
 Methylcyclohexane
 Concen: 0.847 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.07 min
 Lab File: VU041792.D
 Acq: 23 Dec 2020 19:21

Tgt Ion: 83 Resp: 13195
 Ion Ratio Lower Upper
 83 100
 55 0.3 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

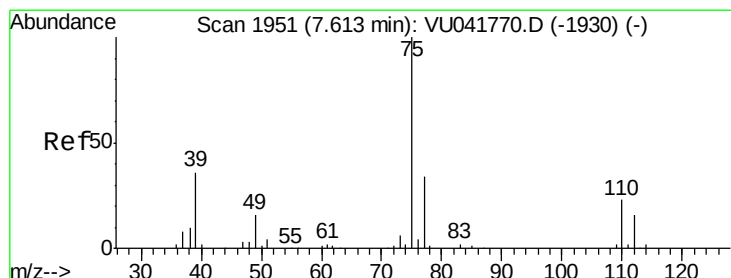
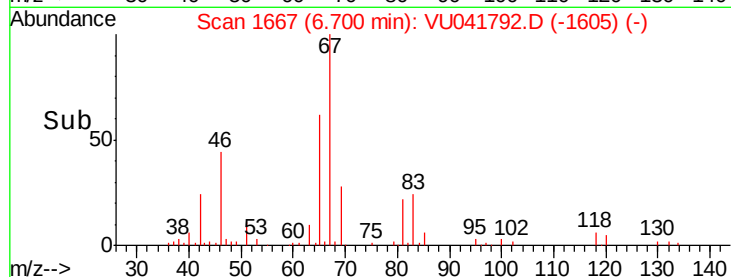
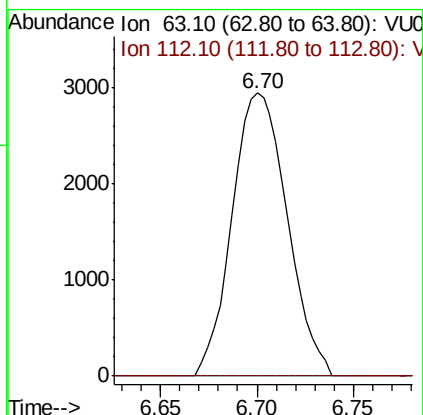
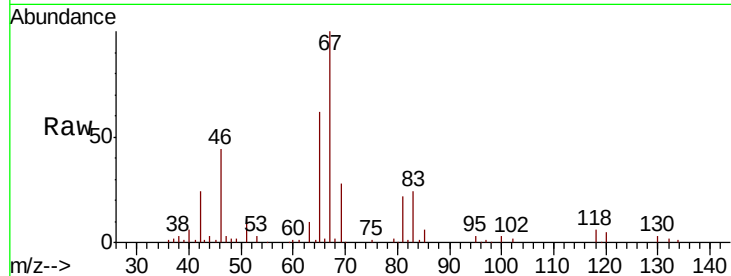




#37
 1,2-Dichloropropane
 Concen: 0.596 ug/L
 RT: 6.70 min Scan# 1667
 Delta R.T. -0.10 min
 Lab File: VU041792.D
 Acq: 23 Dec 2020 19:21

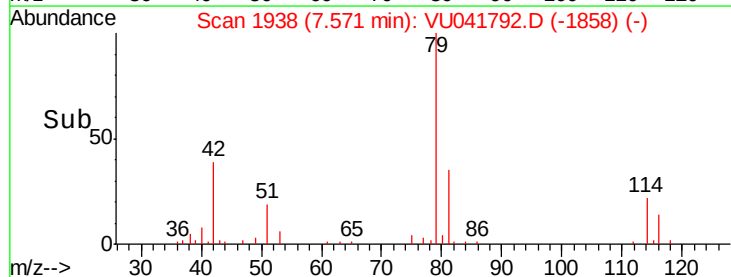
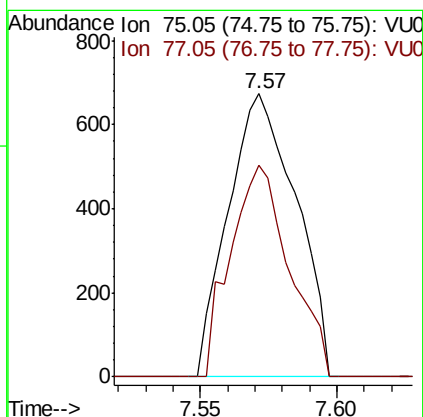
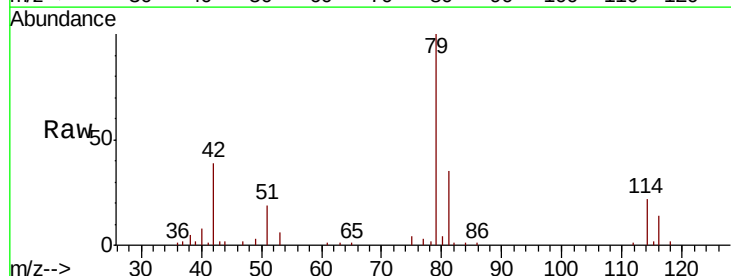
Instrument :
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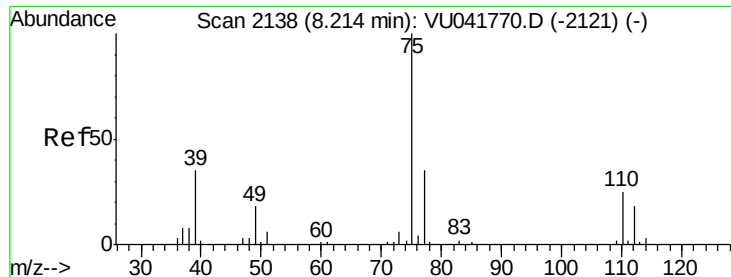
Tot Ion: 63 Resp: 5850
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.080 ug/L
 RT: 7.57 min Scan# 1938
 Delta R.T. -0.04 min
 Lab File: VU041792.D
 Acq: 23 Dec 2020 19:21

Tgt Ion: 75 Resp: 1162
 Ion Ratio Lower Upper
 75 100
 77 75.0 22.3 41.3#





#44

trans-1,3-Dichloropropene

Concen: 0.059 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU041792.D

Acq: 23 Dec 2020 19:21

Instrument :

MSVOA_U

ClientSampleId :

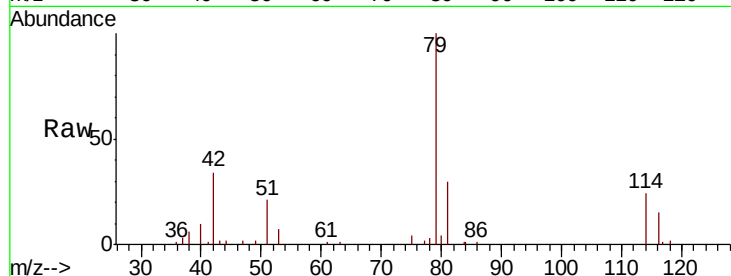
BG4S7

Tot Ion: 75 Resp: 761

Ion Ratio Lower Upper

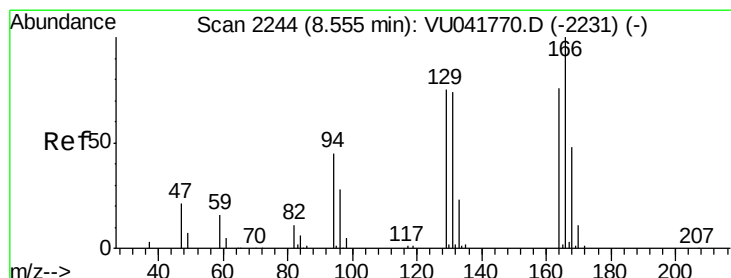
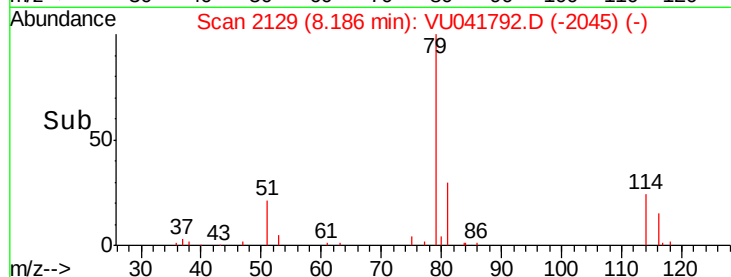
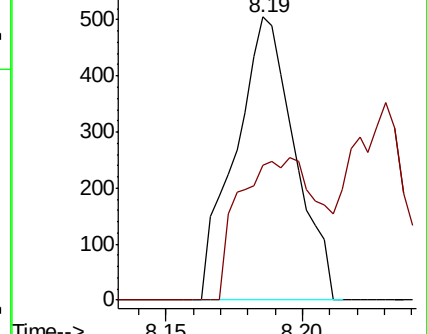
75 100

77 47.5 23.8 44.2#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#47

Tetrachloroethene

Concen: 1.355 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. 0.00 min

Lab File: VU041792.D

Acq: 23 Dec 2020 19:21

Tgt Ion:164 Resp: 9141

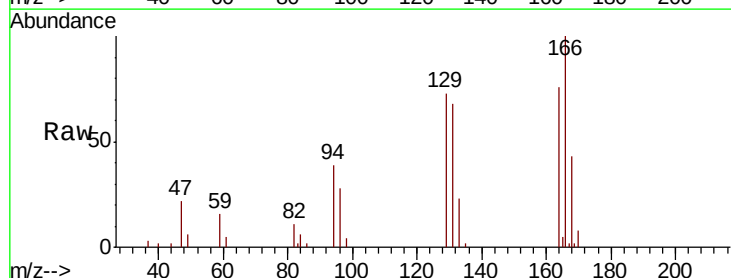
Ion Ratio Lower Upper

164 100

129 96.0 72.2 134.0

131 89.8 66.9 124.3

166 131.4 89.6 166.4

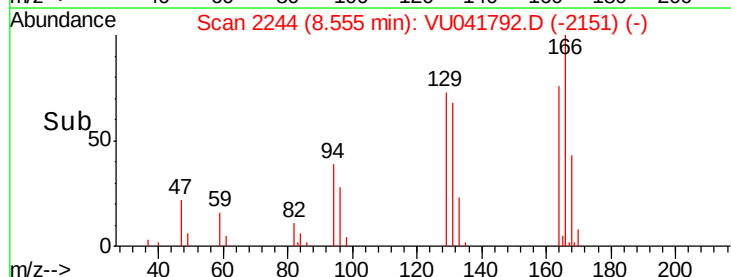
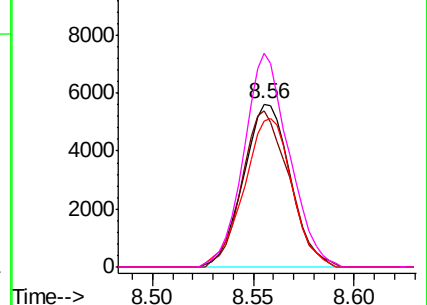


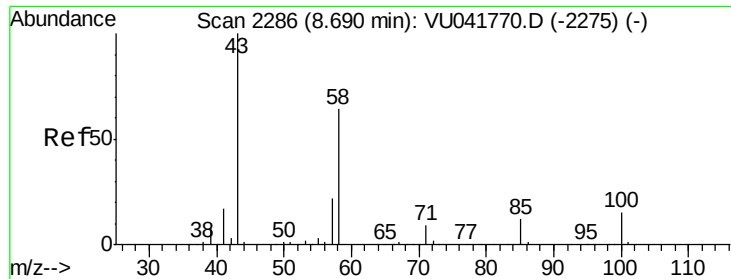
Abundance Ion 163.90 (163.60 to 164.60): V

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

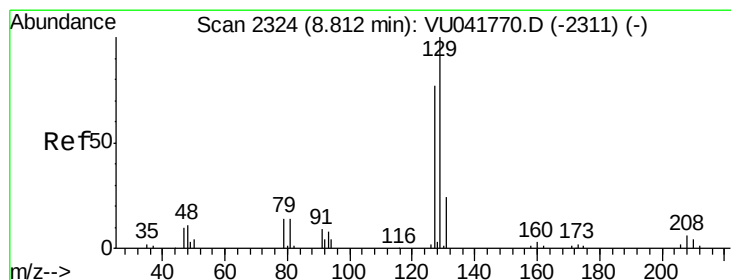
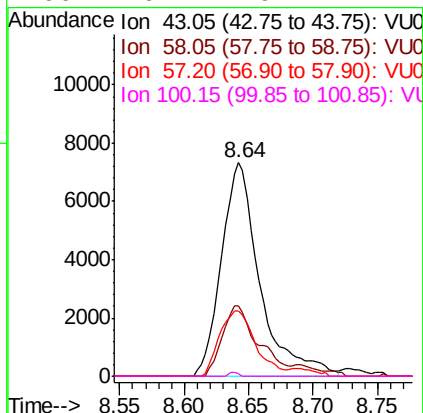
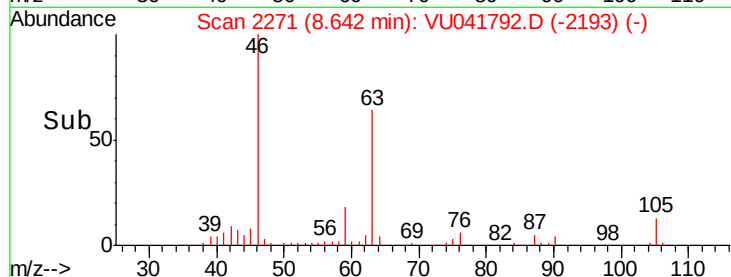
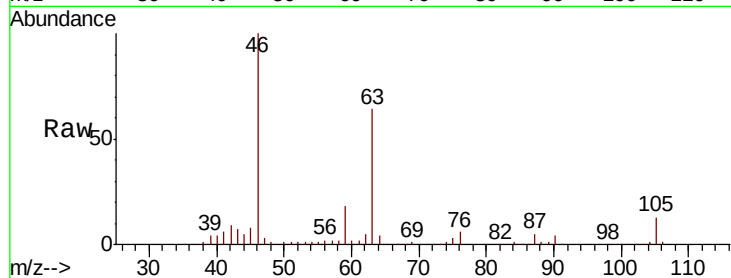




#48
2-Hexanone
Concen: 2.983 ug/L
RT: 8.64 min Scan# 2271
Delta R.T. -0.05 min
Lab File: VU041792.D
Acq: 23 Dec 2020 19:21

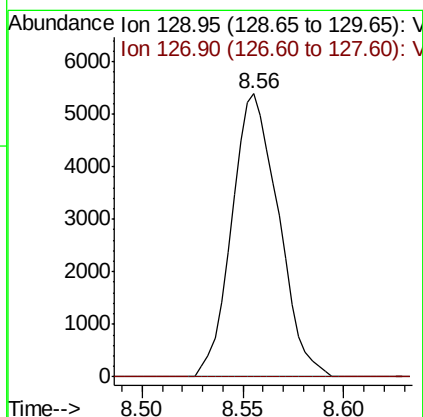
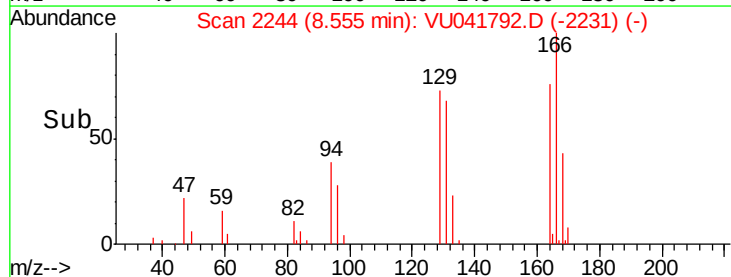
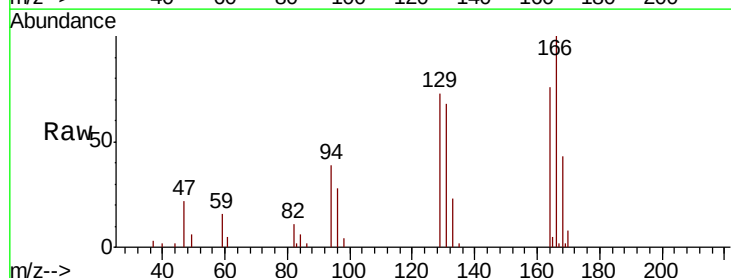
Instrument :
MSVOA_U
ClientSampleId :
BG4S7

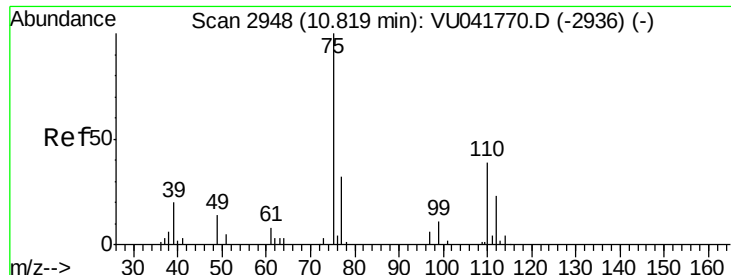
Tot Ion: 43 Resp: 15153
Ion Ratio Lower Upper
43 100
58 30.6 47.9 71.9#
57 28.7 16.5 24.7#
100 0.4 9.4 14.2#



#49
Dibromochloromethane
Concen: 1.048 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. -0.26 min
Lab File: VU041792.D
Acq: 23 Dec 2020 19:21

Tgt Ion: 129 Resp: 8734
Ion Ratio Lower Upper
129 100
127 0.0 54.7 101.7#





#59

1,2,3-Trichloropropane

Concen: 0.754 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.99 min

Lab File: VU041792.D

Acq: 23 Dec 2020 19:21

Instrument :

MSVOA_U

ClientSampleId :

BG4S7

Tot Ion: 75 Resp: 5558

Ion Ratio Lower Upper

75 100

77 35.6 26.2 39.2

