

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U110920\
 Data File : VU041156.D
 Acq On : 09 Nov 2020 21:57
 Operator : SY/MD
 Sample : L4673-08
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GB0S8

Quant Time: Nov 10 04:25:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Nov 10 04:18:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	58449	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	59981	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	27565	5.00	ug/L	0.00

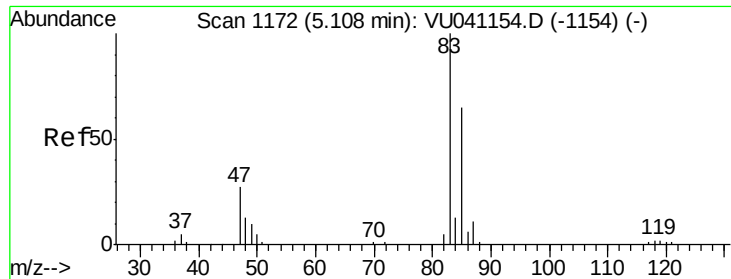
System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	15989	3.26	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	65.20%
7) Chloroethane-d5	1.92	69	15210	4.03	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.60%
11) 1,1-Dichloroethene-d2	2.58	63	26048	2.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	54.00%#
20) 2-Butanone-d5	4.65	46	90170	55.76	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.52%
24) Chloroform-d	5.08	84	42450	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
26) 1,2-Dichloroethane-d4	5.72	65	27718	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.00%
32) Benzene-d6	5.74	84	74951	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.40%
36) 1,2-Dichloropropane-d6	6.70	67	26525	5.08	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.60%
41) Toluene-d8	7.91	98	61100	4.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.00%
43) trans-1,3-Dichloropropene-	8.19	79	10313	4.55	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.00%
46) 2-Hexanone-d5	8.64	63	63013	51.70	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.40%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	25226	5.20	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	27039	5.59	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
25) Chloroform	5.11	83	15669	1.863	ug/L	95
27) 1,2-Dichloroethane	5.74	62	372	0.059	ug/L #	74
33) Benzene	5.79	78	1250	0.070	ug/L	100
34) Trichloroethene	6.55	95	618	0.135	ug/L	82
35) Methylcyclohexane	6.70	83	5887	0.865	ug/L #	15
37) 1,2-Dichloropropane	6.71	63	3180	0.656	ug/L #	86
38) Bromodichloromethane	7.11	83	4533	0.721	ug/L	93
39) cis-1,3-Dichloropropene	7.57	75	655	0.098	ug/L #	72
44) trans-1,3-Dichloropropene	8.19	75	436	0.070	ug/L #	66
47) Tetrachloroethene	8.56	164	211	0.063	ug/L	91
48) 2-Hexanone	8.68	43	1546	0.531	ug/L #	40
49) Dibromochloromethane	8.81	129	449	0.107	ug/L	94
59) 1,2,3-Trichloropropane	11.81	75	3505	0.970	ug/L #	86

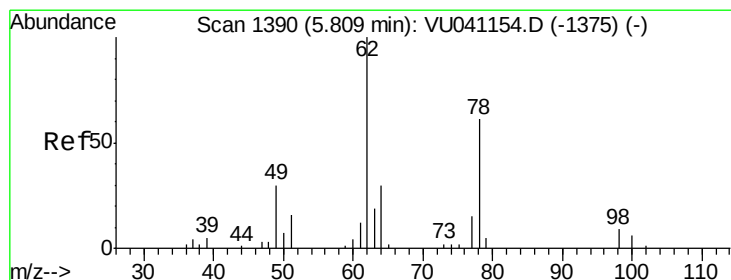
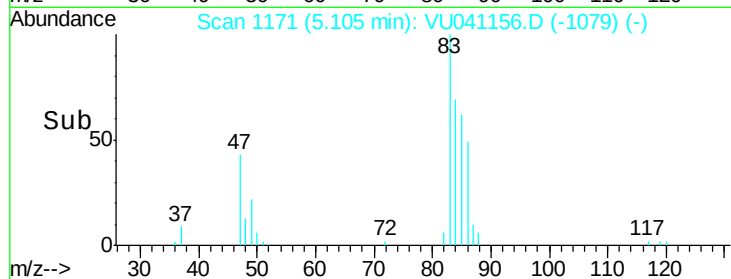
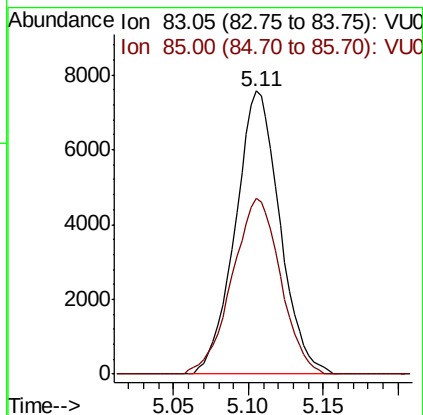
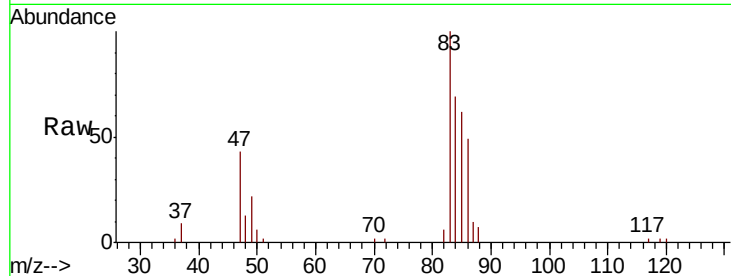
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#25
Chloroform
Concen: 1.863 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU041156.D
Acq: 09 Nov 2020 21:57

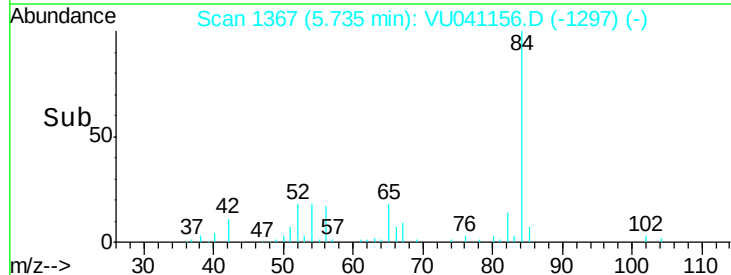
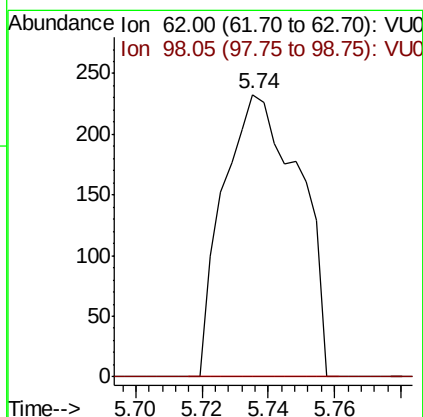
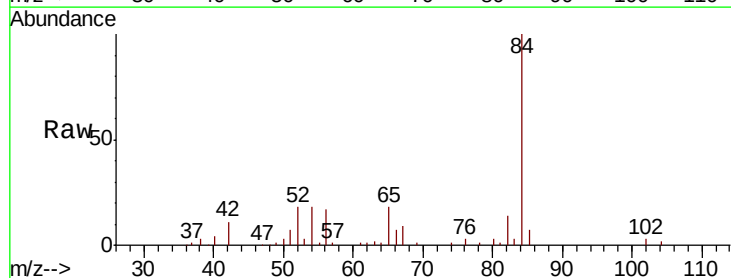
Instrument :
MSVOA_U
ClientSampleId :
GB0S8

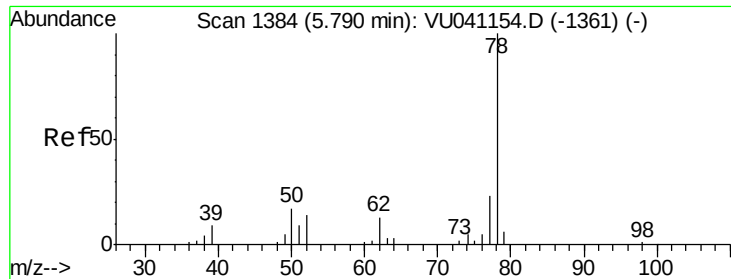
Tot Ion: 83 Resp: 15669
Ion Ratio Lower Upper
83 100
85 62.3 46.1 85.7



#27
1,2-Dichloroethane
Concen: 0.059 ug/L
RT: 5.74 min Scan# 1367
Delta R.T. -0.07 min
Lab File: VU041156.D
Acq: 09 Nov 2020 21:57

Tgt Ion: 62 Resp: 372
Ion Ratio Lower Upper
62 100
98 0.0 7.6 11.4#





#33

Benzene

Concen: 0.070 ug/L

RT: 5.79 min Scan# 1384

Delta R.T. -0.00 min

Lab File: VU041156.D

Acq: 09 Nov 2020 21:57

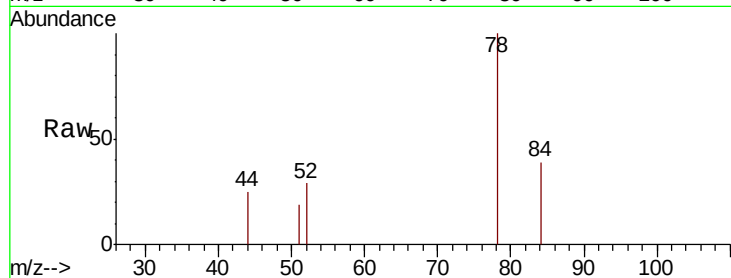
Instrument :

MSVOA_U

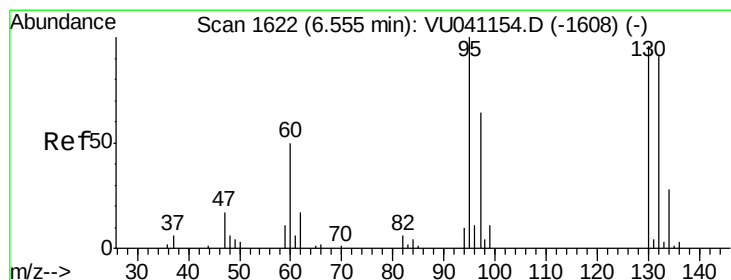
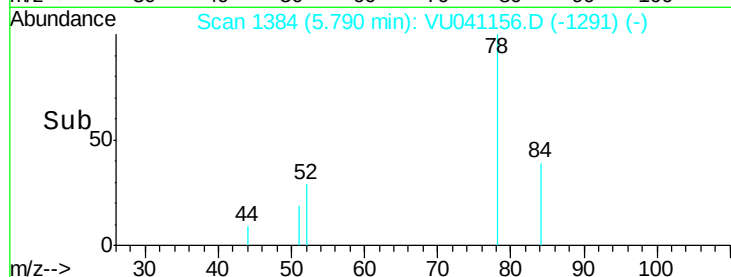
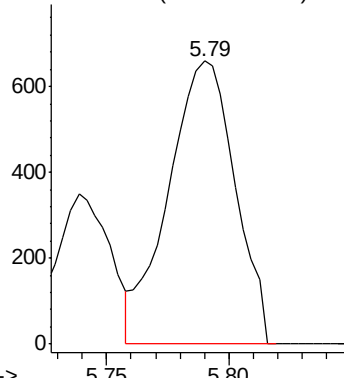
ClientSampled :

GB0S8

Tgt Ion: 78 Resp: 1250



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 0.135 ug/L

RT: 6.55 min Scan# 1620

Delta R.T. -0.01 min

Lab File: VU041156.D

Acq: 09 Nov 2020 21:57

Tgt Ion: 95 Resp: 618

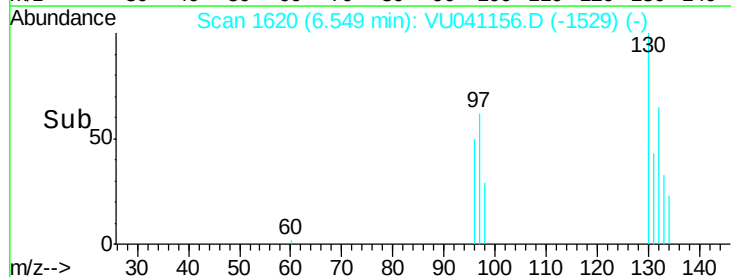
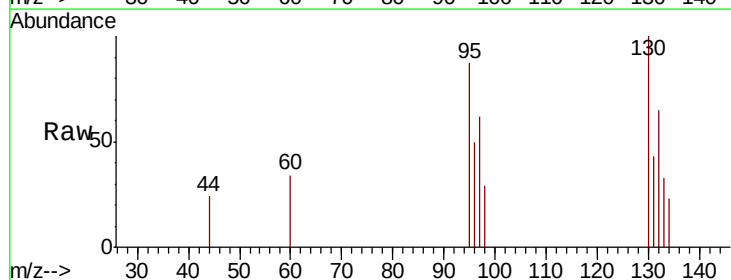
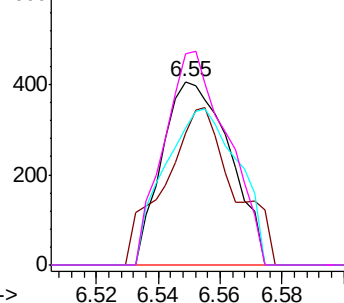
Ion	Ratio	Lower	Upper
95	100		
97	71.7	45.6	84.6
132	74.4	64.8	120.4
130	115.0	64.8	120.4

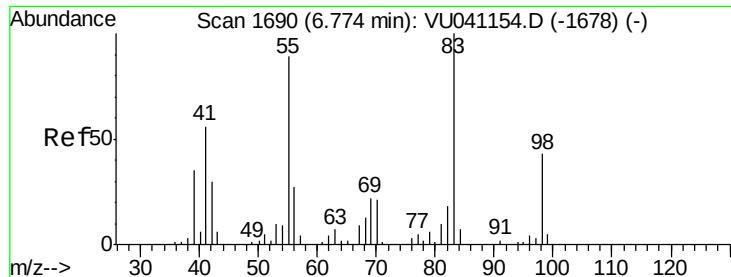
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): VU0

Ion 129.95 (129.65 to 130.65): VU0

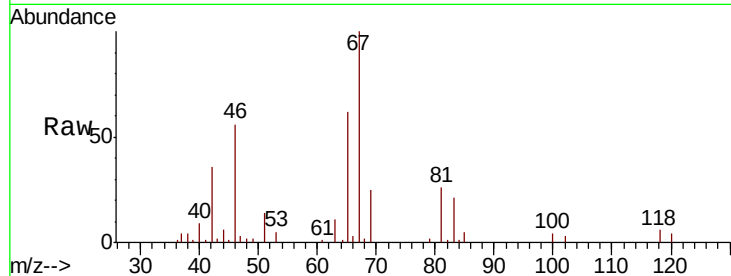




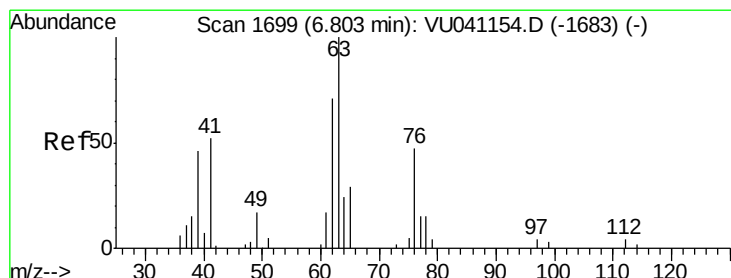
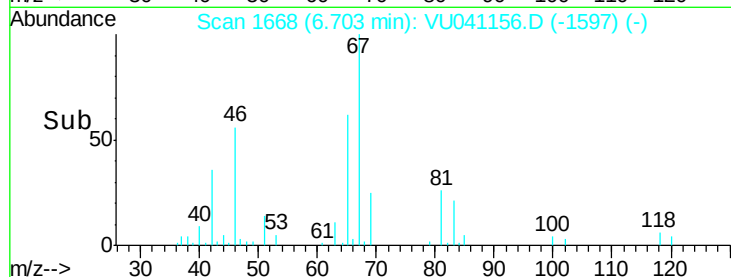
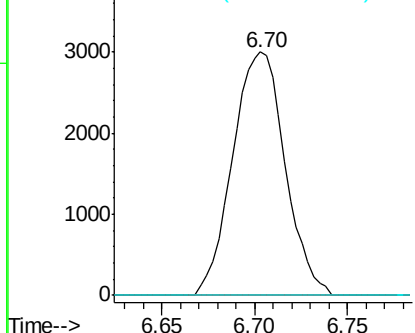
#35
Methylcyclohexane
Concen: 0.865 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU041156.D
Acq: 09 Nov 2020 21:57

Instrument :
MSVOA_U
ClientSampleId :
GB0S8

Tot Ion: 83 Resp: 5887
Ion Ratio Lower Upper
83 100
55 0.0 72.0 108.0#
98 4.0 36.6 55.0#

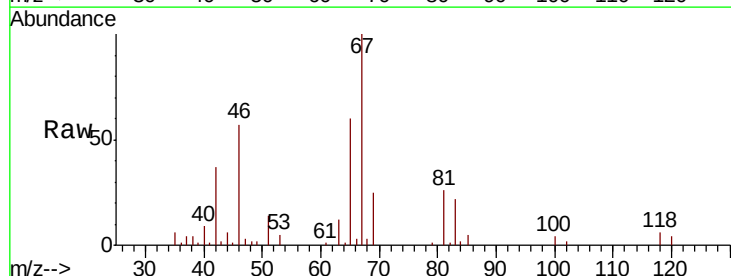


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

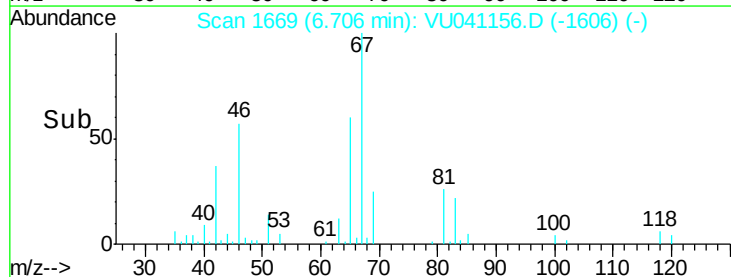
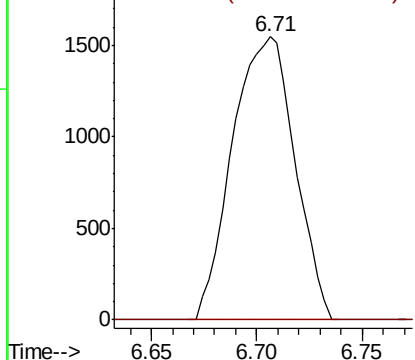


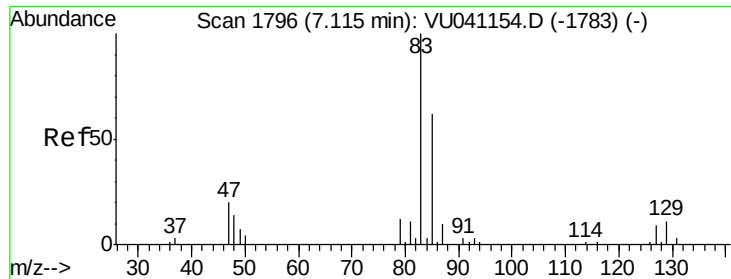
#37
1,2-Dichloropropane
Concen: 0.656 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.10 min
Lab File: VU041156.D
Acq: 09 Nov 2020 21:57

Tgt Ion: 63 Resp: 3180
Ion Ratio Lower Upper
63 100
112 0.0 3.6 5.4#



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

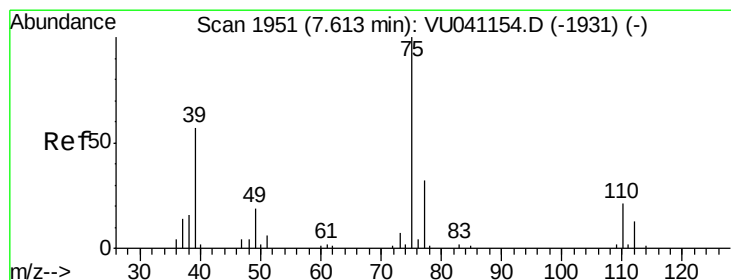
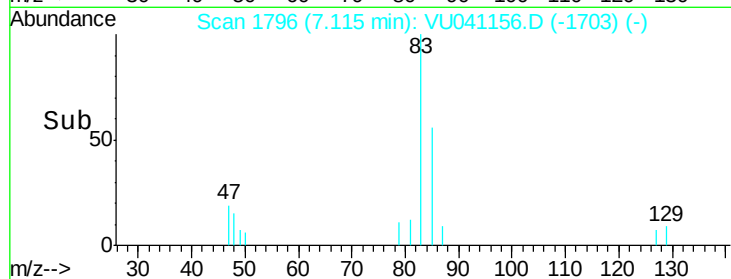
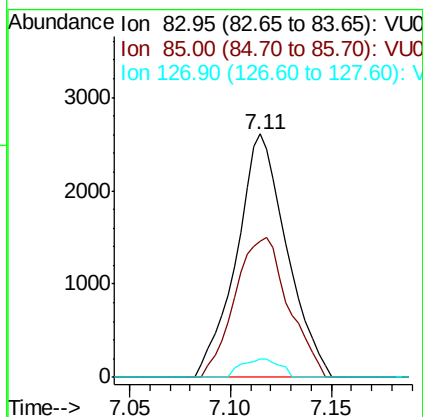
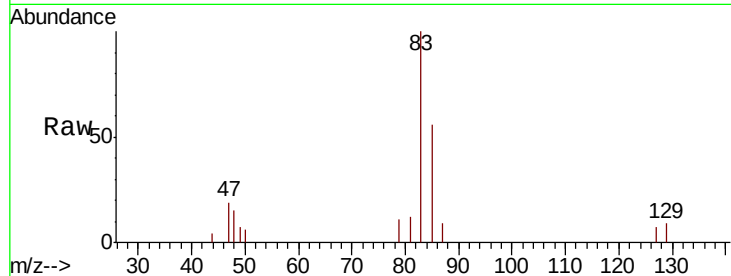




#38
 Bromodichloromethane
 Concen: 0.721 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VU041156.D
 Acq: 09 Nov 2020 21:57

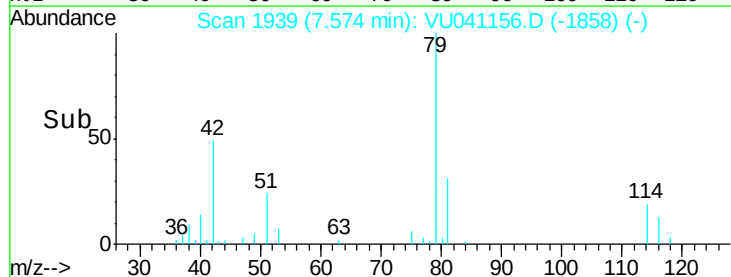
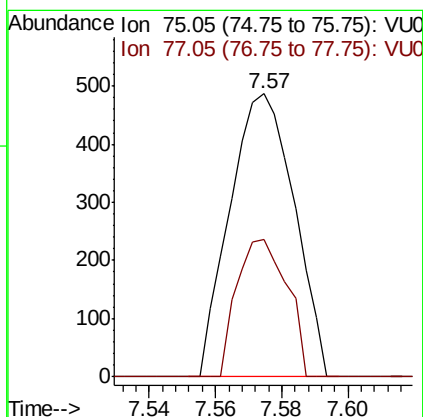
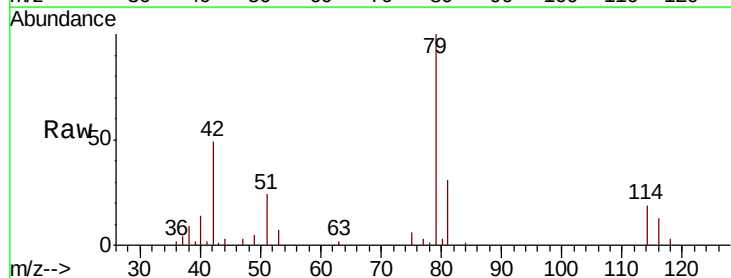
Instrument :
 MSVOA_U
 ClientSampleId :
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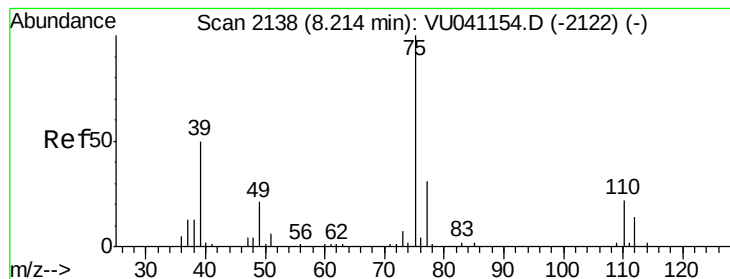
Tot Ion: 83 Resp: 4533
 Ion Ratio Lower Upper
 83 100
 85 56.0 43.3 80.3
 127 7.3 5.9 8.9



#39
 cis-1,3-Dichloropropene
 Concen: 0.098 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU041156.D
 Acq: 09 Nov 2020 21:57

Tgt Ion: 75 Resp: 655
 Ion Ratio Lower Upper
 75 100
 77 48.5 22.7 42.3#





#44

trans-1,3-Dichloropropene

Concen: 0.070 ug/L

RT: 8.19 min Scan# 2130

Delta R.T. -0.03 min

Lab File: VU041156.D

Acq: 09 Nov 2020 21:57

Instrument :

MSVOA_U

ClientSampled :

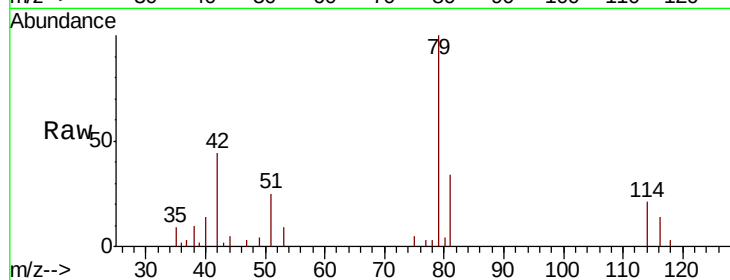
GB0S8

Tot Ion: 75 Resp: 436

Ion Ratio Lower Upper

75 100

77 52.5 23.3 43.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

8.19

300

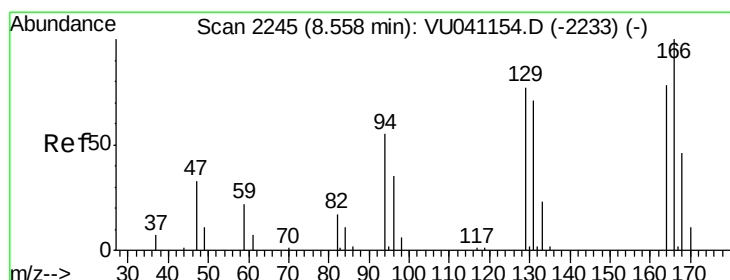
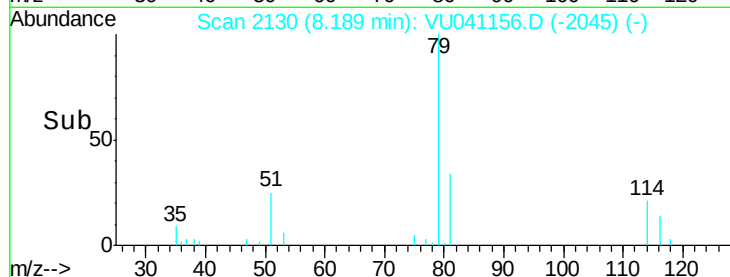
200

100

0

8.16 8.18 8.20 8.22

Time-->



#47

Tetrachloroethene

Concen: 0.063 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VU041156.D

Acq: 09 Nov 2020 21:57

Tgt Ion:164 Resp: 211

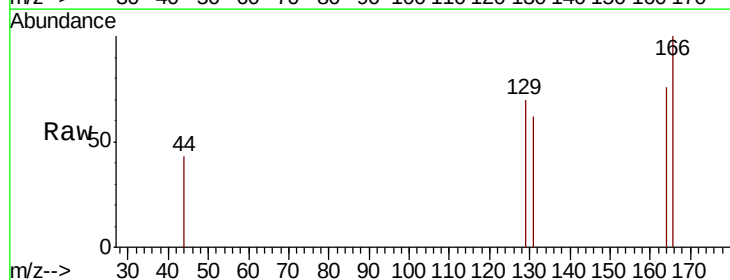
Ion Ratio Lower Upper

164 100

129 91.7 70.3 130.7

131 81.8 70.8 131.4

166 131.5 92.0 170.8



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

300

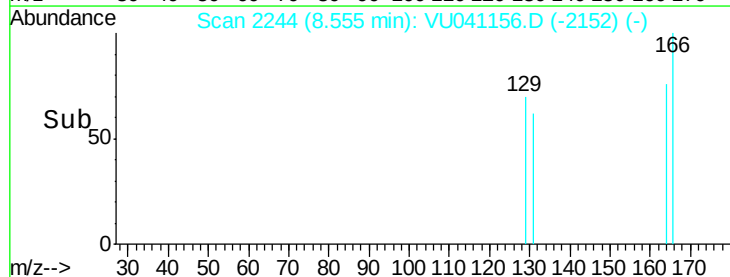
200

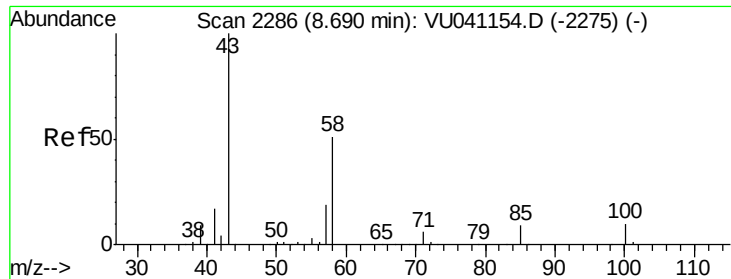
100

0

8.54 8.56 8.58

Time-->





#48

2-Hexanone

Concen: 0.531 ug/L

RT: 8.68 min Scan# 2284

Delta R.T. -0.01 min

Lab File: VU041156.D

Acq: 09 Nov 2020 21:57

Instrument :

MSVOA_U

ClientSampleId :

GB0S8

Tot Ion: 43 Resp: 1546

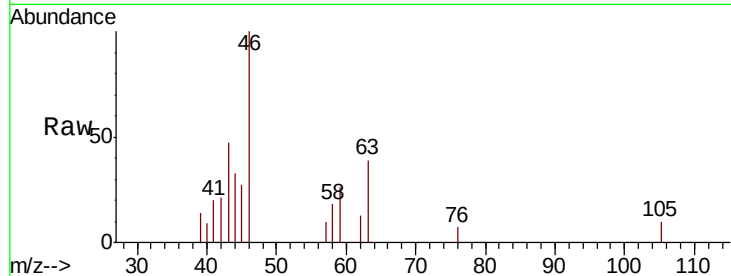
Ion Ratio Lower Upper

43 100

58 0.0 41.4 62.2#

57 0.0 14.6 21.8#

100 0.0 8.3 12.5#

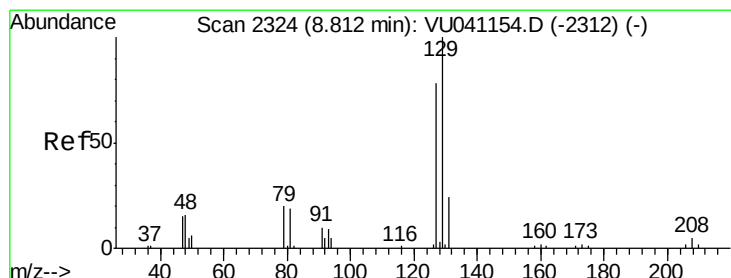
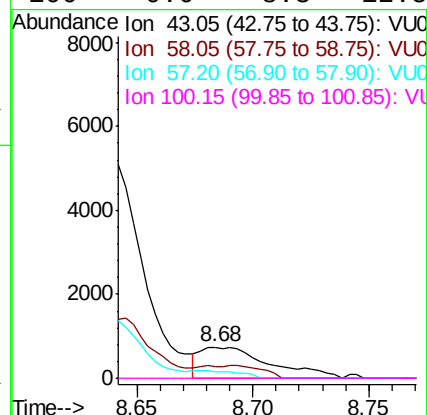
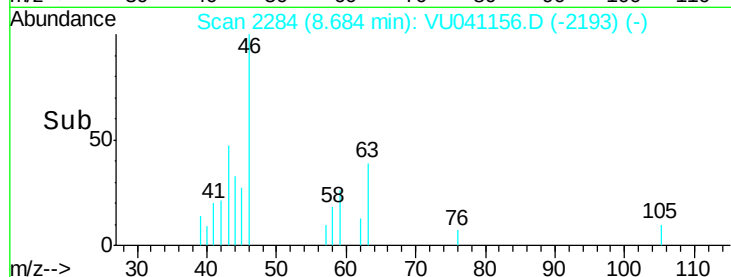


Abundance Ion 43.05 (42.75 to 43.75): VU041156.D (-2193) (-)

Ion 58.05 (57.75 to 58.75): VU041156.D (-2193) (-)

Ion 57.20 (56.90 to 57.90): VU041156.D (-2193) (-)

Ion 100.15 (99.85 to 100.85): VU041156.D (-2193) (-)



#49

Dibromochloromethane

Concen: 0.107 ug/L

RT: 8.81 min Scan# 2324

Delta R.T. -0.00 min

Lab File: VU041156.D

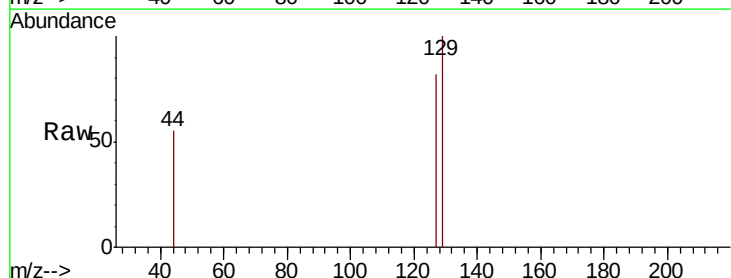
Acq: 09 Nov 2020 21:57

Tgt Ion: 129 Resp: 449

Ion Ratio Lower Upper

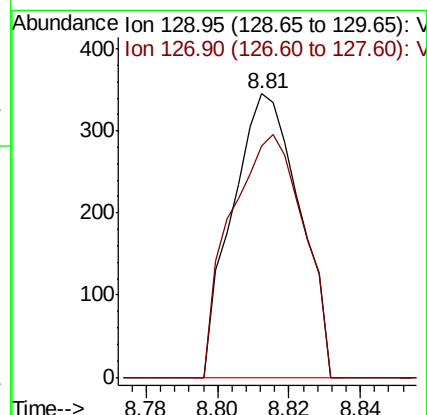
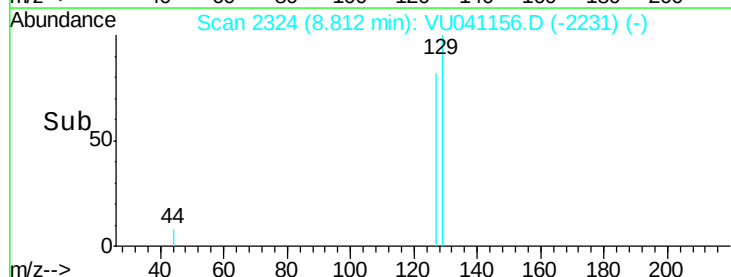
129 100

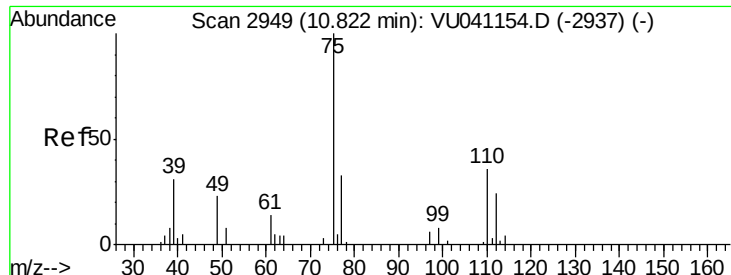
127 81.7 53.4 99.2



Abundance Ion 128.95 (128.65 to 129.65): VU041156.D (-2231) (-)

Ion 126.90 (126.60 to 127.60): VU041156.D (-2231) (-)





#59

1,2,3-Trichloropropane

Concen: 0.970 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU041156.D

Acq: 09 Nov 2020 21:57

Instrument :

MSVOA_U

ClientSampleId :

GB0S8

Tot Ion: 75 Resp: 3505

Ion Ratio Lower Upper

75 100

77 40.1 25.7 38.5#

