

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072820\
 Data File : VV017712.D
 Acq On : 28 Jul 2020 18:17
 Operator : SY/MD
 Sample : L3470-04MS
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 29 05:20:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 29 05:17:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	147345	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	149465	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	75670	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	29431	4.18	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.60%
7) Chloroethane-d5	1.58	69	26317	4.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.80%
11) 1,1-Dichloroethene-d2	2.13	63	73784	4.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.60%
20) 2-Butanone-d5	3.92	46	78941	46.90	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.80%
24) Chloroform-d	4.38	84	90492	5.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.20%
26) 1,2-Dichloroethane-d4	5.06	65	46946	5.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.00%
32) Benzene-d6	5.07	84	149143	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.60%
36) 1,2-Dichloropropane-d6	6.10	67	40994	4.48	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.60%
41) Toluene-d8	7.34	98	136410	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.40%
45) trans-1,3-Dichloropropene-	7.64	79	17663	4.25	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.00%
48) 2-Hexanone-d5	8.11	63	56508	43.93	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.86%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	28600	4.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.80%
65) 1,2-Dichlorobenzene-d4	11.65	152	59543	5.20	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.61	64	563	0.093	ug/L #	60
12) 1,1-Dichloroethene	2.14	96	34284	4.321	ug/L	96
16) Methylene chloride	2.53	84	2508	0.284	ug/L	86
18) trans-1,2-Dichloroethene	2.77	96	1248	0.144	ug/L	98
22) cis-1,2-Dichloroethene	3.94	96	120180	11.038	ug/L	97
25) Chloroform	4.41	83	18626	0.913	ug/L	84
27) 1,2-Dichloroethane	5.13	62	2188	0.165	ug/L #	76
33) Benzene	5.12	78	189773	4.486	ug/L	100
34) Trichloroethene	5.94	95	437777	37.045	ug/L	99
35) Methylcyclohexane	6.10	83	12085	0.676	ug/L #	18
37) 1,2-Dichloropropane	6.10	63	5768	0.580	ug/L #	86
39) cis-1,3-Dichloropropene	7.01	75	1567	0.104	ug/L #	66
42) Toluene	7.41	91	222643	4.824	ug/L	96
49) Tetrachloroethene	8.00	164	2292	0.220	ug/L #	81
50) 2-Hexanone	8.11	43	7681	1.991	ug/L #	68
51) Dibromochloromethane	7.99	129	2287	0.238	ug/L #	9
53) Chlorobenzene	8.90	112	159812	5.194	ug/L	99

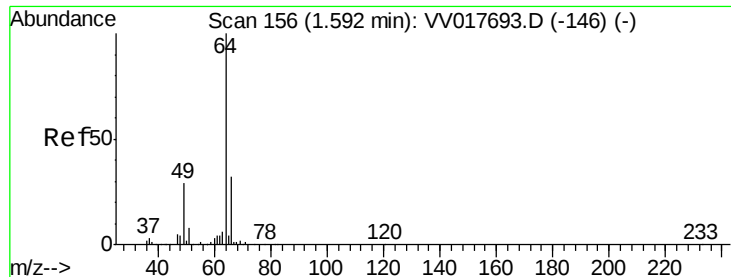
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072820\
Data File : VV017712.D
Acq On : 28 Jul 2020 18:17
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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 29 05:17:09 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
55) m,p-xylene	9.16	106	2401	0.123	ug/L	97

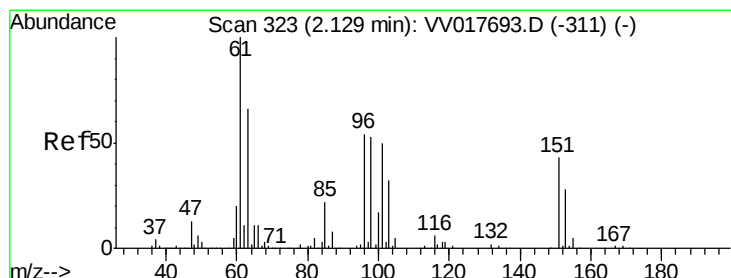
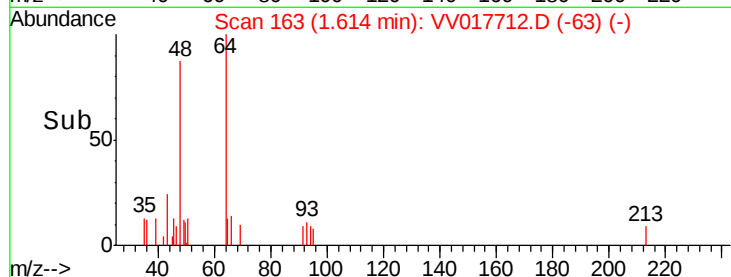
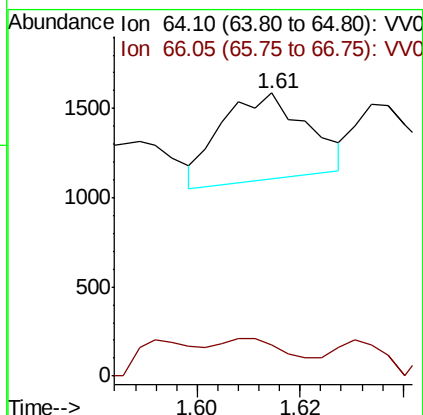
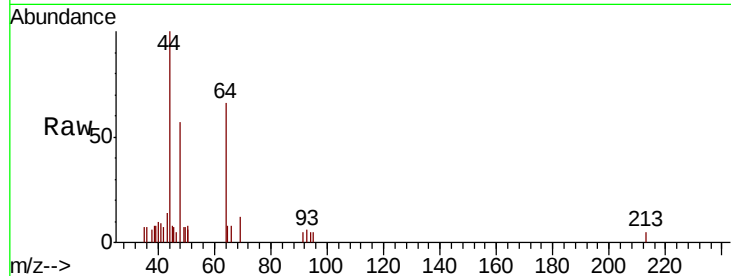
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#8
Chloroethane
Concen: 0.093 ug/L
RT: 1.61 min Scan# 163
Delta R.T. 0.02 min
Lab File: VV017712.D
Acq: 28 Jul 2020 18:17

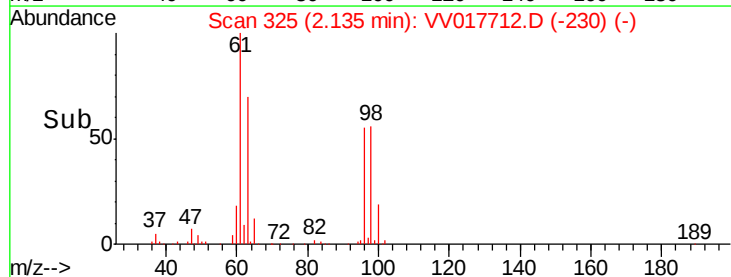
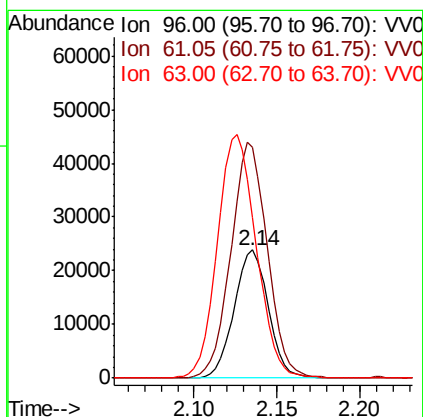
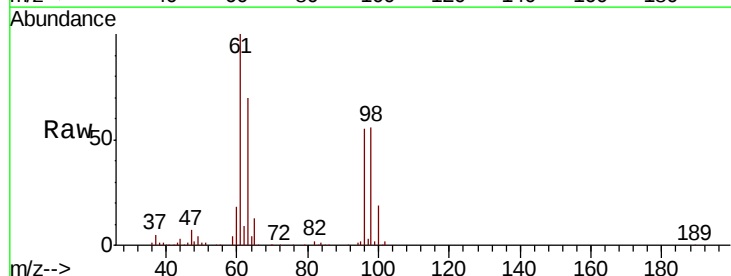
Instrument :
MSVOA_V
ClientSampleId :

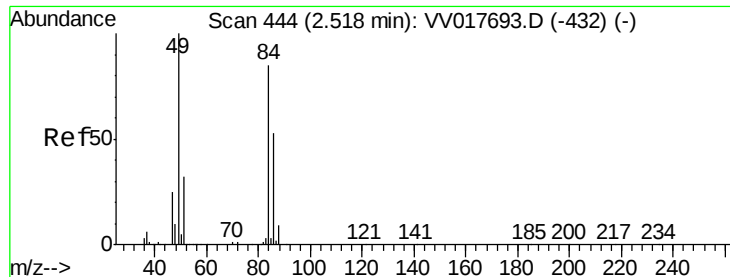
Tot Ion: 64 Resp: 563
Ion Ratio Lower Upper
64 100
66 11.0 24.0 44.6#



#12
1,1-Dichloroethene
Concen: 4.321 ug/L
RT: 2.14 min Scan# 325
Delta R.T. 0.01 min
Lab File: VV017712.D
Acq: 28 Jul 2020 18:17

Tgt Ion: 96 Resp: 34284
Ion Ratio Lower Upper
96 100
61 180.3 123.1 228.7
63 125.5 91.2 169.4

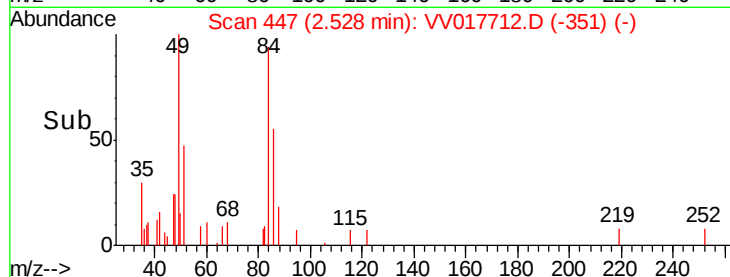
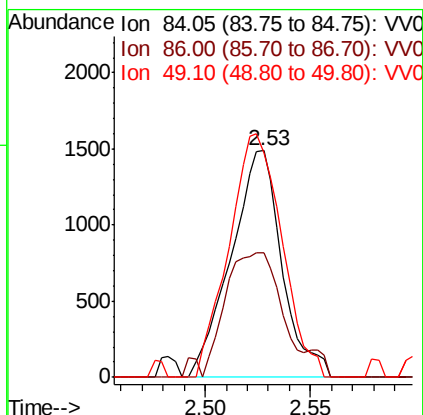
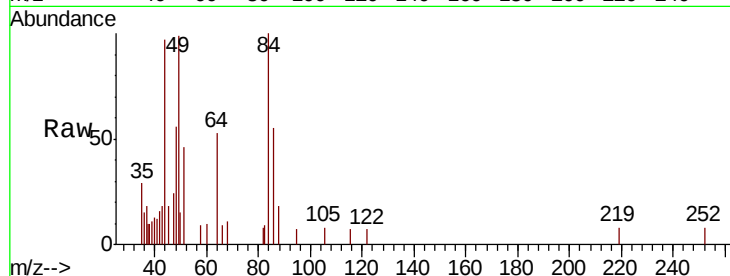




#16
Methylene chloride
Concen: 0.284 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.01 min
Lab File: VV017712.D
Acq: 28 Jul 2020 18:17

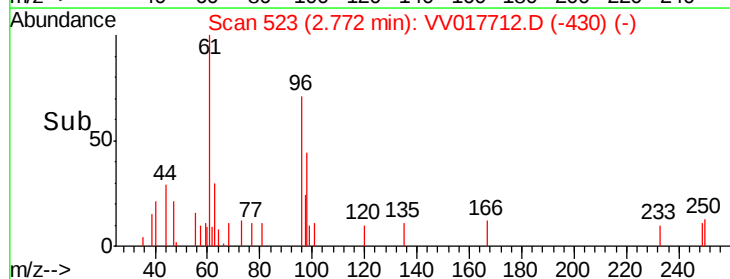
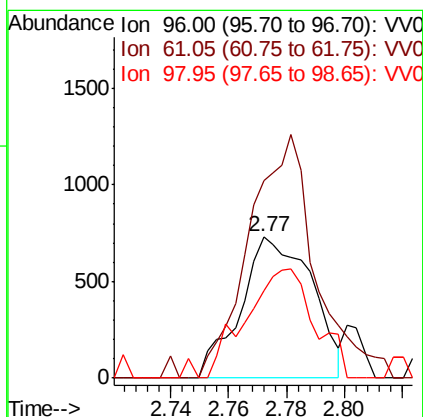
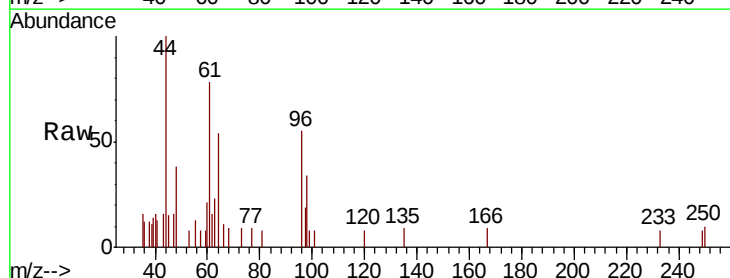
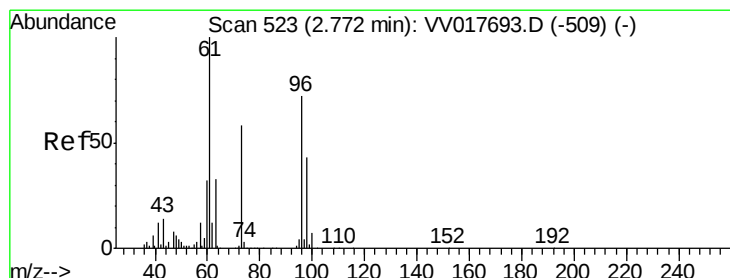
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MSVOA_V
ClientSampled :

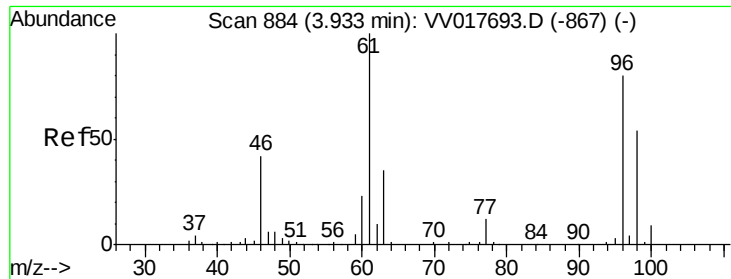
Tot Ion: 84 Resp: 2508
Ion Ratio Lower Upper
84 100
86 54.7 46.5 86.3
49 98.7 79.2 147.2



#18
trans-1,2-Dichloroethene
Concen: 0.144 ug/L
RT: 2.77 min Scan# 523
Delta R.T. 0.00 min
Lab File: VV017712.D
Acq: 28 Jul 2020 18:17

Tgt Ion: 96 Resp: 1248
Ion Ratio Lower Upper
96 100
61 140.1 96.0 178.4
98 62.1 43.5 80.9



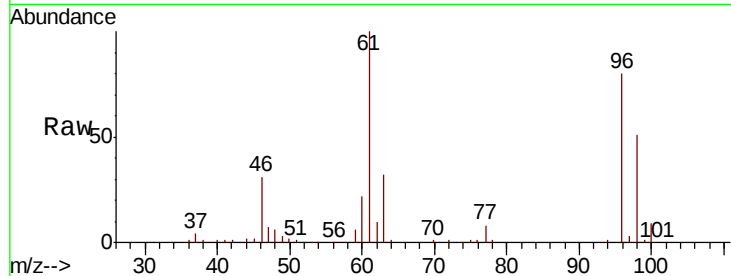


#22

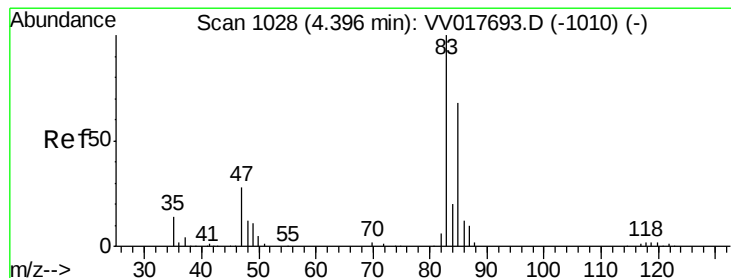
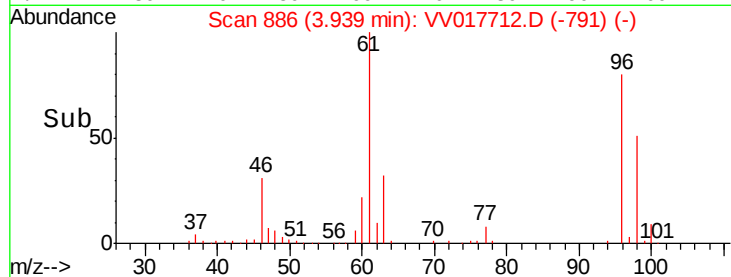
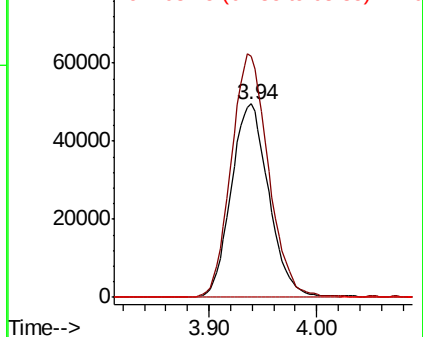
cis-1,2-Dichloroethene
 Concen: 11.038 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.01 min
 Lab File: VV017712.D
 Acq: 28 Jul 2020 18:17

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 96 Resp: 120180
 Ion Ratio Lower Upper
 96 100
 61 125.0 89.6 166.4
 68 0.0 0.0 0.0



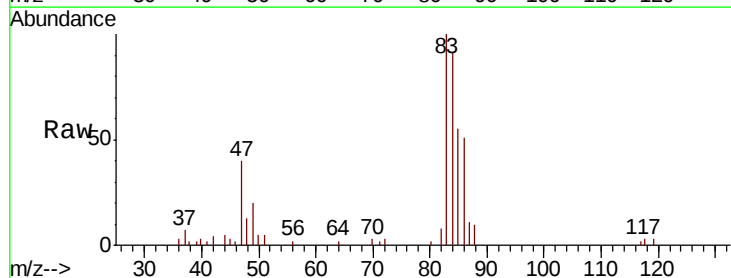
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



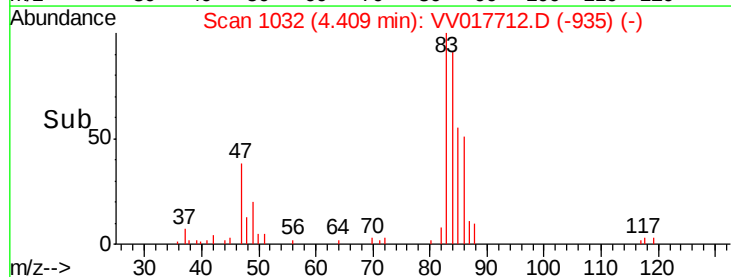
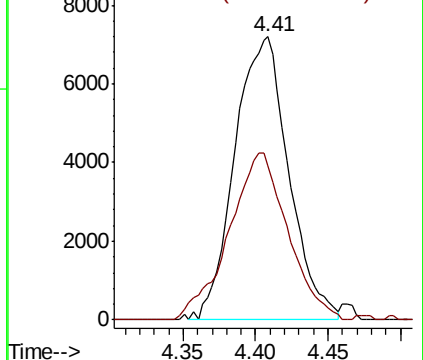
#25

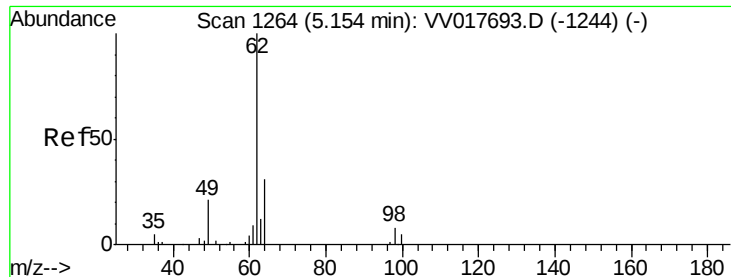
Chloroform
 Concen: 0.913 ug/L
 RT: 4.41 min Scan# 1032
 Delta R.T. 0.01 min
 Lab File: VV017712.D
 Acq: 28 Jul 2020 18:17

Tgt Ion: 83 Resp: 18626
 Ion Ratio Lower Upper
 83 100
 85 54.6 47.3 87.9



Abundance Ion 83.05 (82.75 to 83.75): VV0
 Ion 85.00 (84.70 to 85.70): VV0





#27

1,2-Dichloroethane

Concen: 0.165 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. -0.03 min

Lab File: VV017712.D

Acq: 28 Jul 2020 18:17

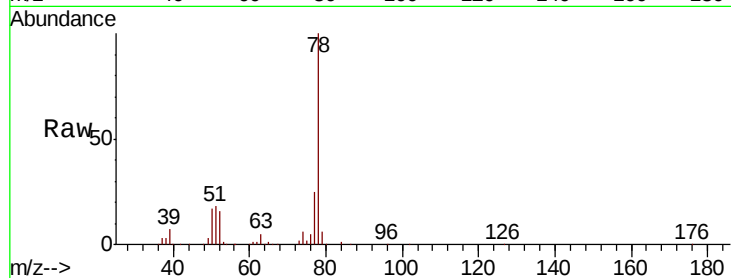
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 2188

Ion Ratio Lower Upper

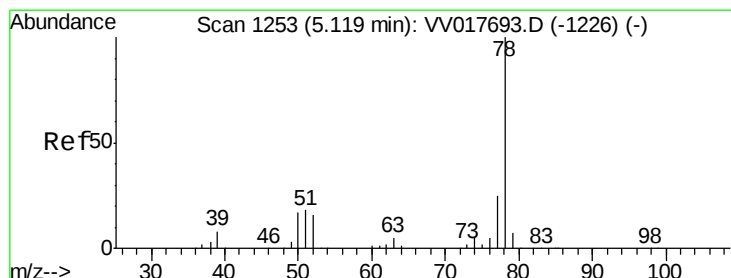
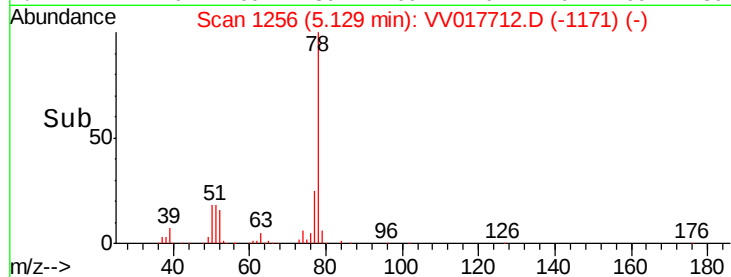
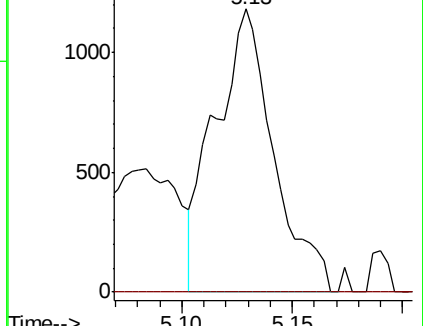
62 100

98 0.0 7.0 10.6#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.05 (97.75 to 98.75): VV0



#33

Benzene

Concen: 4.486 ug/L

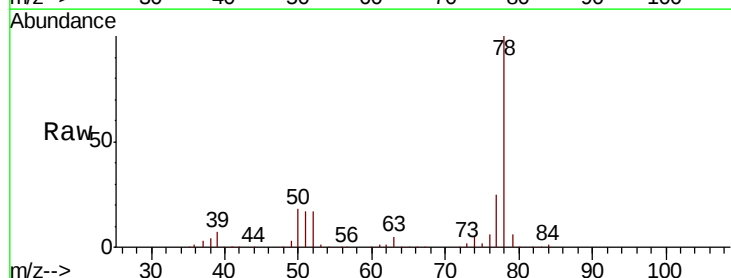
RT: 5.12 min Scan# 1254

Delta R.T. 0.00 min

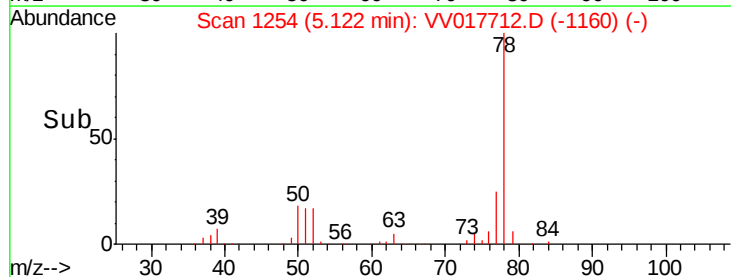
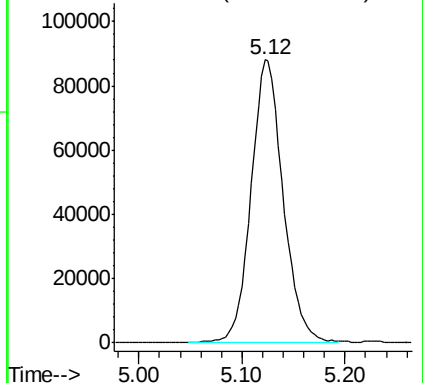
Lab File: VV017712.D

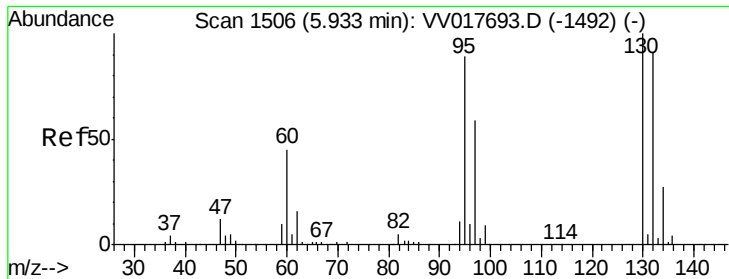
Acq: 28 Jul 2020 18:17

Tgt Ion: 78 Resp: 189773



Abundance Ion 78.10 (77.80 to 78.80): VV0

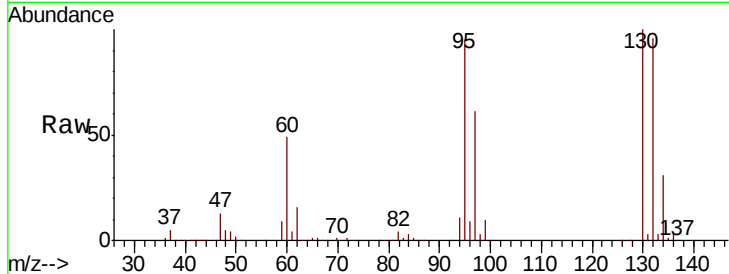




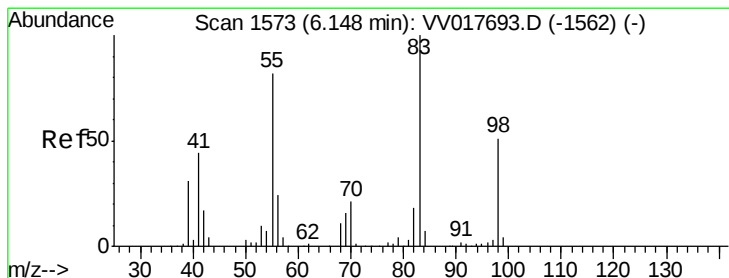
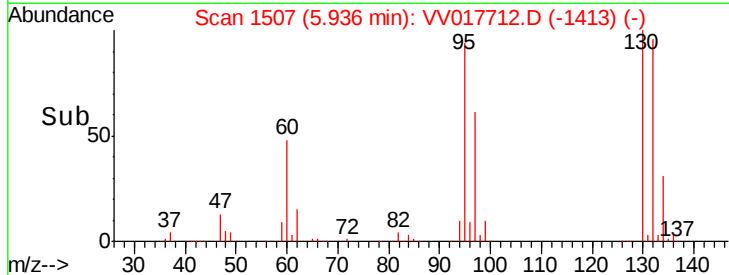
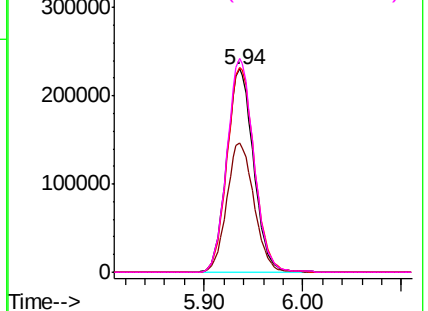
#34
 Trichloroethene
 Concen: 37.045 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. 0.00 min
 Lab File: VV017712.D
 Acq: 28 Jul 2020 18:17

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 437777
 Ion Ratio Lower Upper
 95 100
 97 63.7 46.1 85.5
 132 101.1 71.7 133.1
 130 105.2 74.3 137.9

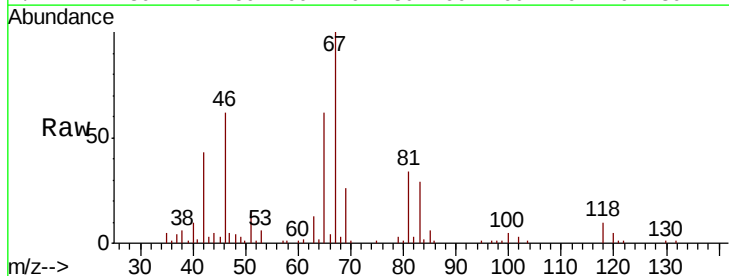


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

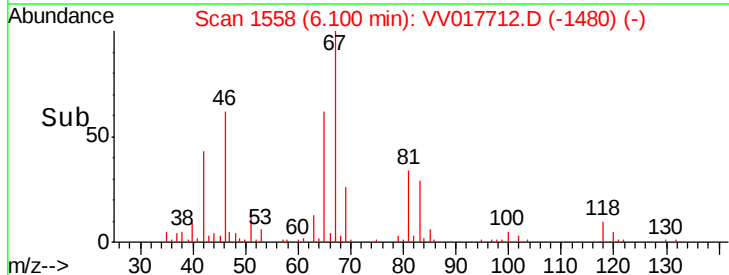
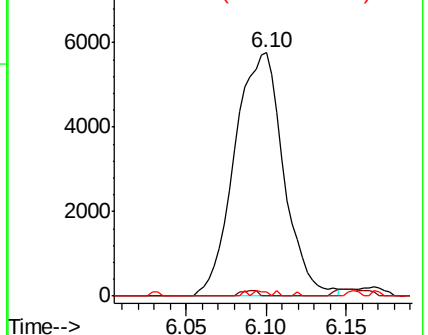


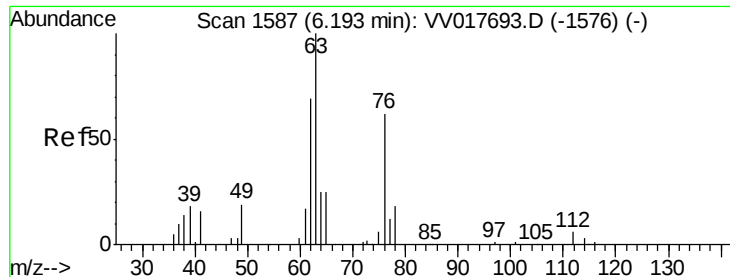
#35
 Methylcyclohexane
 Concen: 0.676 ug/L
 RT: 6.10 min Scan# 1558
 Delta R.T. -0.05 min
 Lab File: VV017712.D
 Acq: 28 Jul 2020 18:17

Tgt Ion: 83 Resp: 12085
 Ion Ratio Lower Upper
 83 100
 55 0.7 61.8 92.8#
 98 0.0 39.0 58.6#



Abundance Ion 83.15 (82.85 to 83.85): VV0
 Ion 55.10 (54.80 to 55.80): VV0
 Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 0.580 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.10 min

Lab File: VV017712.D

Acq: 28 Jul 2020 18:17

Instrument :

MSVOA_V

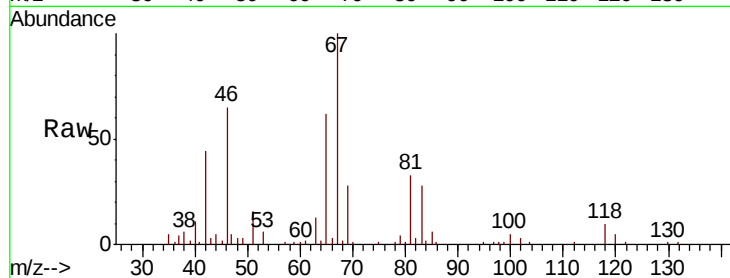
ClientSampleId :

Tot Ion: 63 Resp: 5768

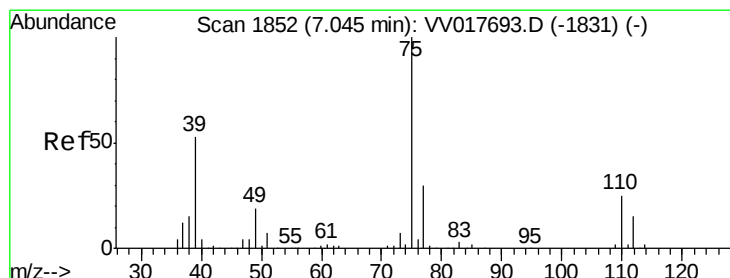
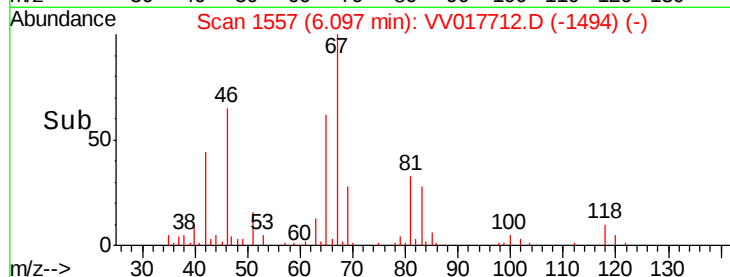
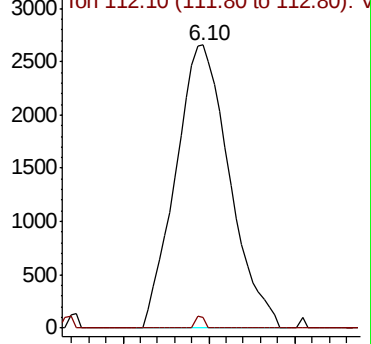
Ion Ratio Lower Upper

63 100

112 0.7 4.5 6.7#



Abundance Ion 63.10 (62.80 to 63.80): VV017693.D (-1576) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.104 ug/L

RT: 7.01 min Scan# 1841

Delta R.T. -0.04 min

Lab File: VV017712.D

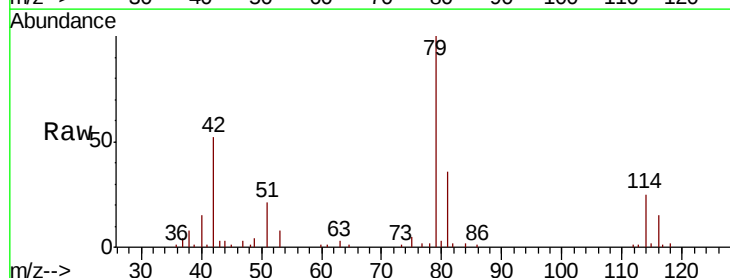
Acq: 28 Jul 2020 18:17

Tgt Ion: 75 Resp: 1567

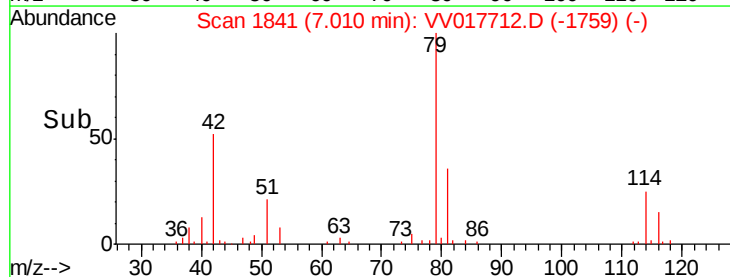
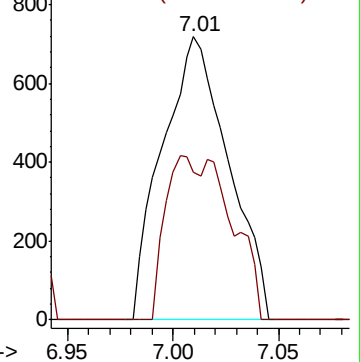
Ion Ratio Lower Upper

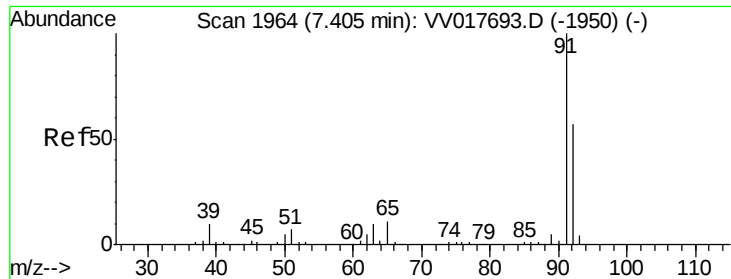
75 100

77 52.4 23.2 43.2#



Abundance Ion 75.05 (74.75 to 75.75): VV017693.D (-1831) (-)





#42

Toluene

Concen: 4.824 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV017712.D

Acq: 28 Jul 2020 18:17

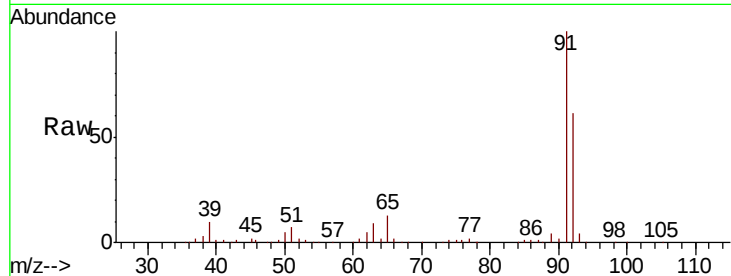
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 222643

Ion Ratio Lower Upper

91 100

92 61.1 40.8 75.8



Abundance Ion 91.15 (90.85 to 91.85): VV017693.D (-1950) (-)

Ion 92.15 (91.85 to 92.85): VV017693.D (-1950) (-)

7.41

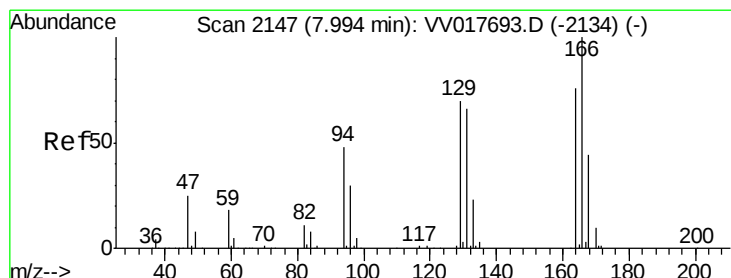
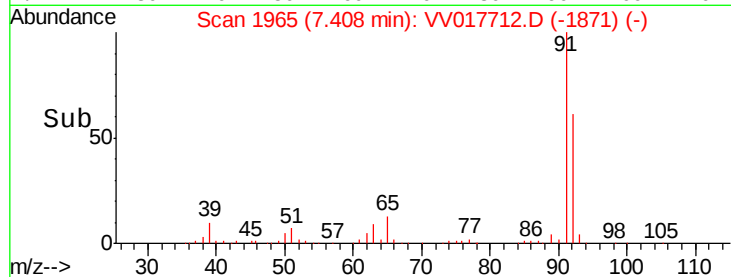
150000

100000

50000

0

Time-->



#49

Tetrachloroethene

Concen: 0.220 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV017712.D

Acq: 28 Jul 2020 18:17

Tgt Ion: 164 Resp: 2292

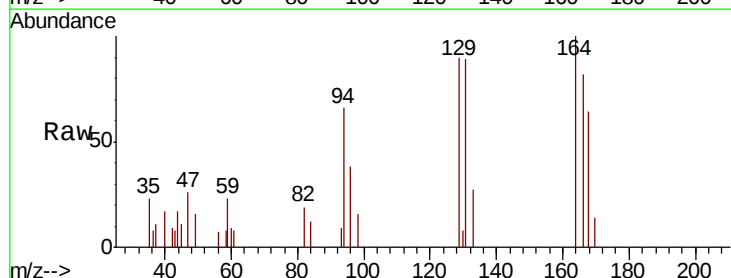
Ion Ratio Lower Upper

164 100

129 89.5 65.0 120.8

131 88.9 63.6 118.2

166 81.7 91.7 170.3#



Abundance Ion 163.90 (163.60 to 164.60): VV017693.D (-2134) (-)

Ion 128.95 (128.65 to 129.65): VV017693.D (-2134) (-)

Ion 130.95 (130.65 to 131.65): VV017693.D (-2134) (-)

Ion 165.90 (165.60 to 166.60): VV017693.D (-2134) (-)

2000

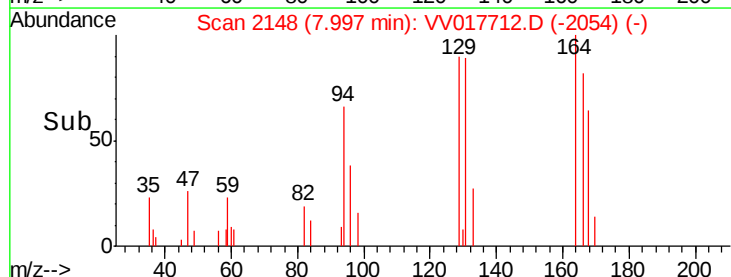
1500

1000

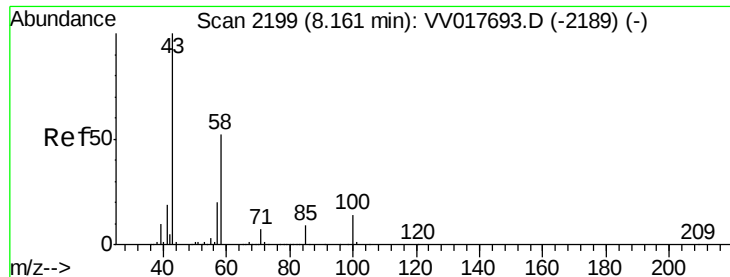
500

0

Time-->



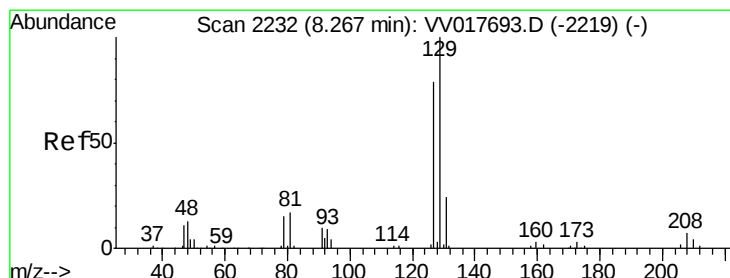
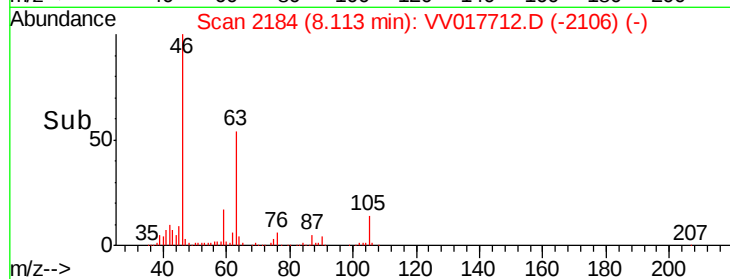
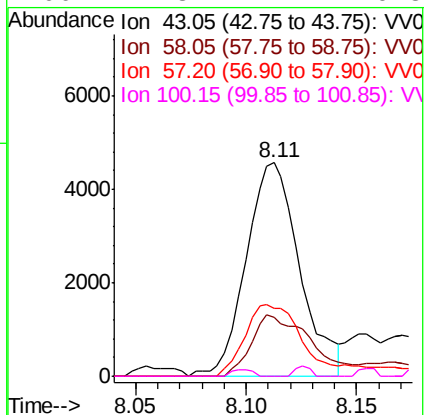
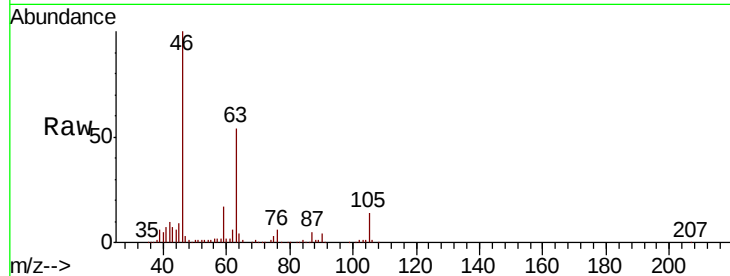
Time-->



#50
2-Hexanone
Concen: 1.991 ug/L
RT: 8.11 min Scan# 2184
Delta R.T. -0.05 min
Lab File: VV017712.D
Acq: 28 Jul 2020 18:17

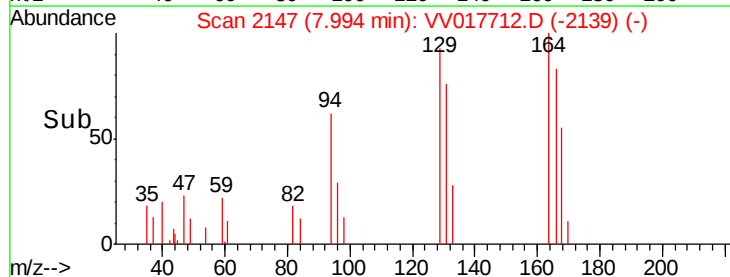
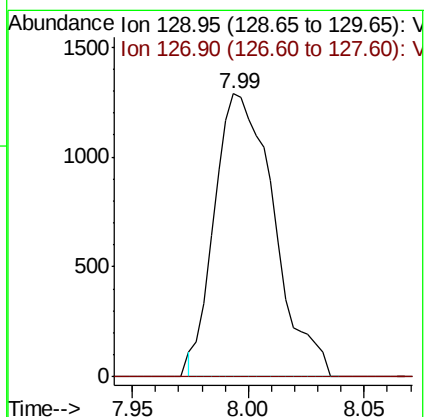
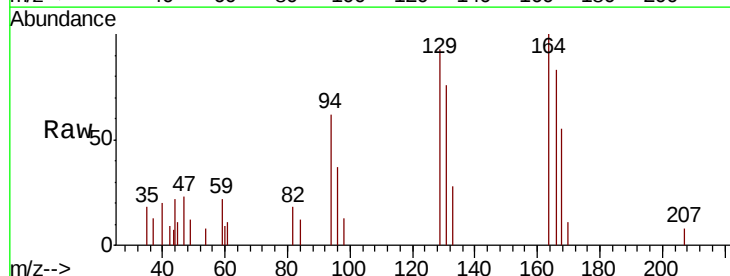
Instrument :
MSVOA_V
ClientSampleId :

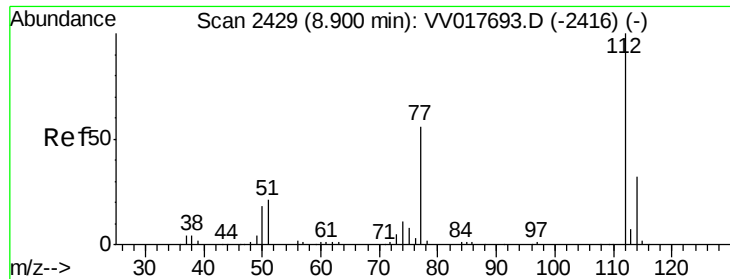
Tot Ion: 43 Resp: 7681
Ion Ratio Lower Upper
43 100
58 32.5 41.6 62.4#
57 39.9 15.4 23.0#
100 1.3 11.2 16.8#



#51
Dibromochloromethane
Concen: 0.238 ug/L
RT: 7.99 min Scan# 2147
Delta R.T. -0.27 min
Lab File: VV017712.D
Acq: 28 Jul 2020 18:17

Tgt Ion: 129 Resp: 2287
Ion Ratio Lower Upper
129 100
127 0.0 56.3 104.5#





#53

Chlorobenzene

Concen: 5.194 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV017712.D

Acq: 28 Jul 2020 18:17

Instrument :

MSVOA_V

ClientSampleId :

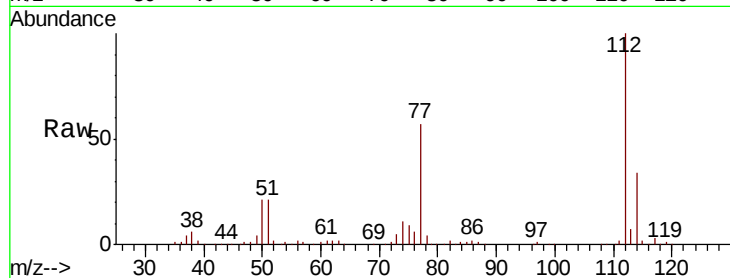
Tot Ion:112 Resp: 159812

Ion Ratio Lower Upper

112 100

114 34.2 23.2 43.2

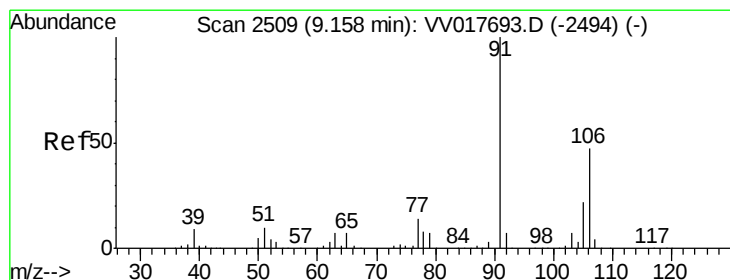
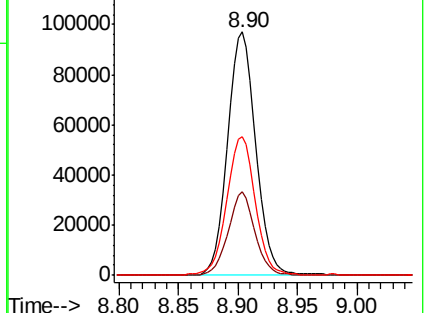
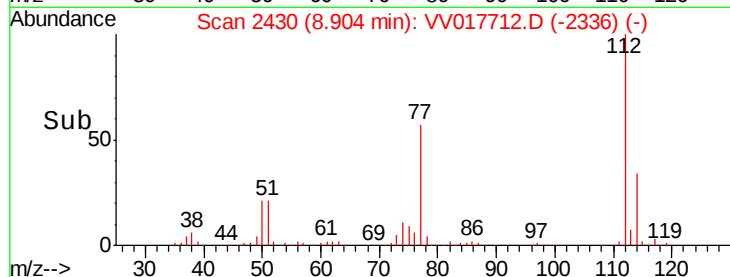
77 56.9 45.6 68.4



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0



#55

m,p-xylene

Concen: 0.123 ug/L

RT: 9.16 min Scan# 2511

Delta R.T. 0.01 min

Lab File: VV017712.D

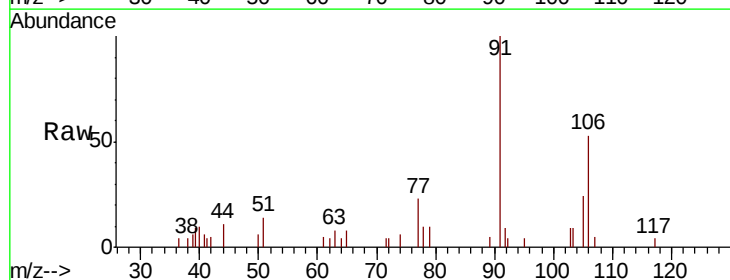
Acq: 28 Jul 2020 18:17

Tgt Ion:106 Resp: 2401

Ion Ratio Lower Upper

106 100

91 206.6 141.3 262.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0

