

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV120220\
 Data File : VV019448.D
 Acq On : 02 Dec 2020 14:55
 Operator : SY/MD
 Sample : L4921-01
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0FT9

Quant Time: Dec 03 05:51:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM112320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 03 05:50:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	366391	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	367636	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	178410	50.00	ug/L	0.00

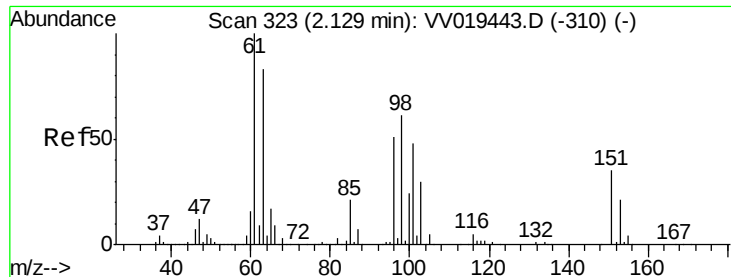
System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	132105	36.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	72.20%
7) Chloroethane-d5	1.58	69	122135	41.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.02%
11) 1,1-Dichloroethene-d2	2.12	63	218767	33.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.18%
21) 2-Butanone-d5	3.89	46	211481	94.82	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.82%
24) Chloroform-d	4.37	84	255462	43.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.36%
26) 1,2-Dichloroethane-d4	5.05	65	176921	45.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.38%
32) Benzene-d6	5.07	84	493810	45.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.86%
36) 1,2-Dichloropropane-d6	6.09	67	170546	47.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.32%
41) Toluene-d8	7.33	98	426246	43.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.54%
43) trans-1,3-Dichloropropene-	7.64	79	76455	43.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.54%
47) 2-Hexanone-d5	8.10	63	110753	77.73	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	77.73%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	187630	40.08	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	80.16%
64) 1,2-Dichlorobenzene-d4	11.65	152	176737	51.01	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.02%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1962	0.764	ug/L #	20
13) Acetone	2.17	43	31095	18.234	ug/L	99
25) Chloroform	4.40	83	4969	0.906	ug/L	95
27) 1,2-Dichloroethane	5.07	62	3068	0.713	ug/L	99
48) 2-Hexanone	8.16	43	18510	5.462	ug/L #	82
51) Chlorobenzene	8.90	112	176297	23.415	ug/L	99
59) 1,2,3-Trichloropropane	11.20	75	8119	2.037	ug/L #	44
62) 1,3-Dichlorobenzene	11.20	146	24285	4.679	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	222475	40.781	ug/L	99
65) 1,2-Dichlorobenzene	11.66	146	926349	173.841	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	2444	2.651	ug/L #	3
67) 1,3,5-Trichlorobenzene	13.28	180	197619	52.305	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	197619	59.078	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	124341	35.562	ug/L	100

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



#10

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

Concen: 0.764 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV019448.D

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MSVOA_V

ClientSampleId :

C0FT9

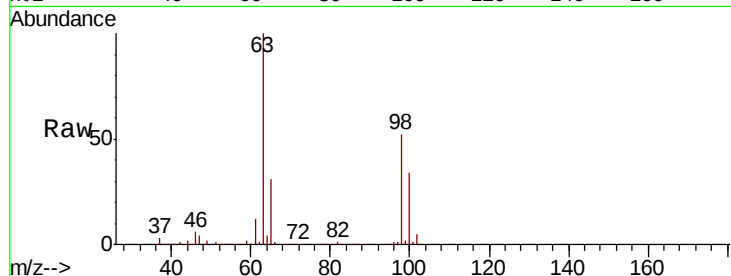
Tot Ion:101 Resp: 1962

Ion Ratio Lower Upper

101 100

85 0.0 35.5 53.3#

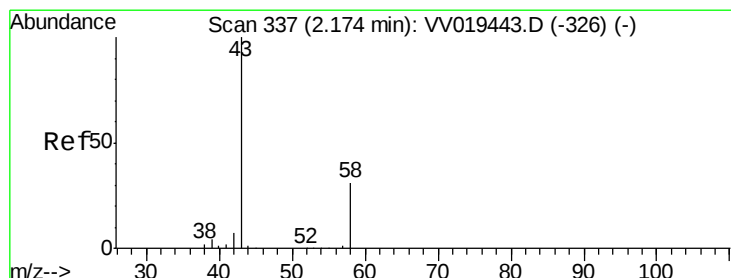
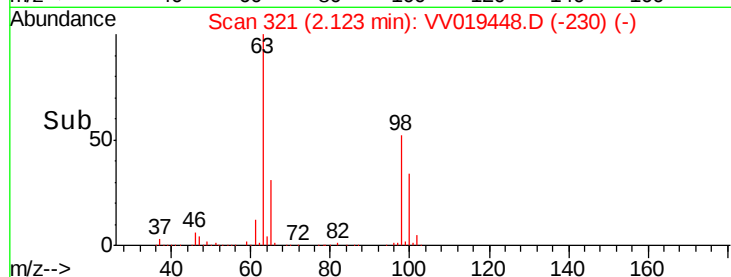
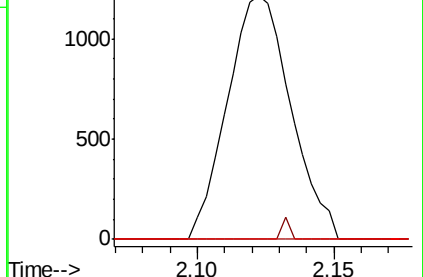
151 0.0 58.9 88.3#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#13

Acetone

Concen: 18.234 ug/L

RT: 2.17 min Scan# 337

Delta R.T. 0.00 min

Lab File: VV019448.D

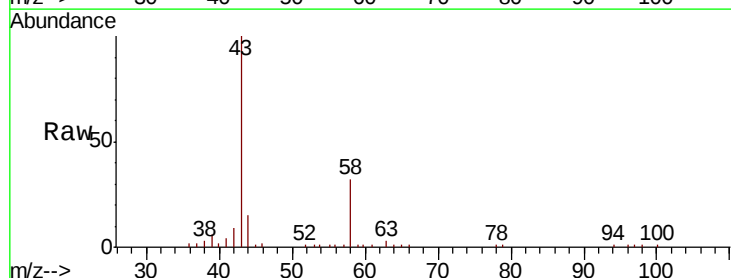
Acq: 02 Dec 2020 14:55

Tgt Ion: 43 Resp: 31095

Ion Ratio Lower Upper

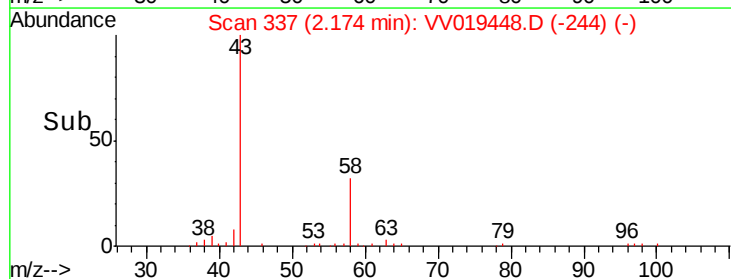
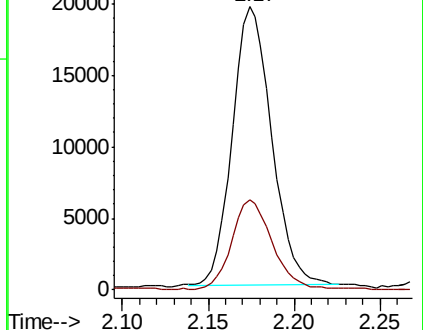
43 100

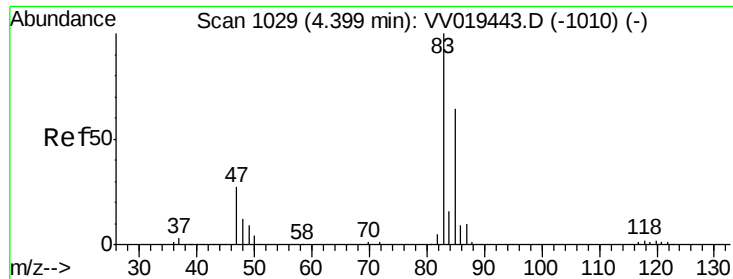
58 33.7 0.0 66.4



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

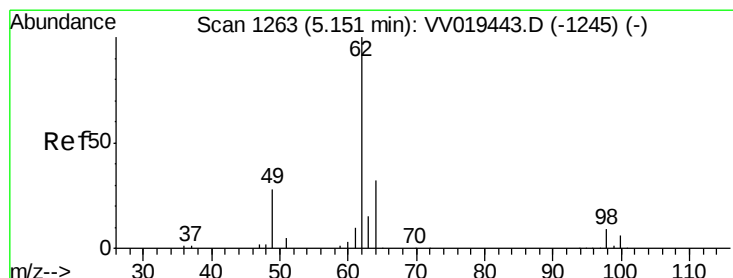
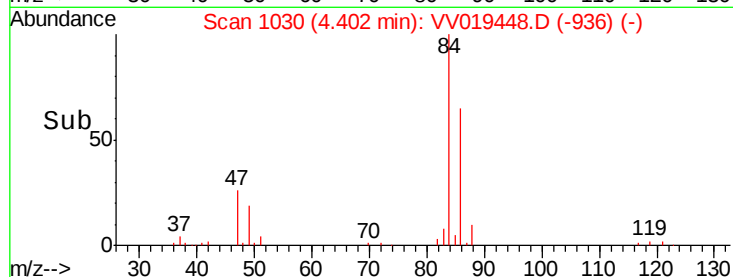
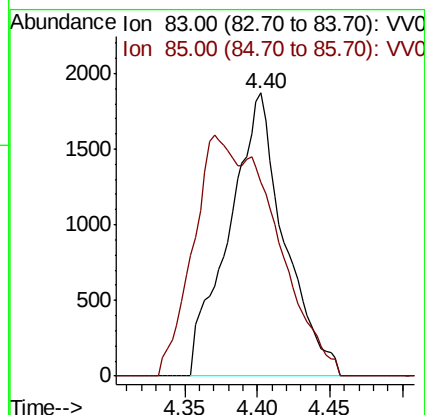
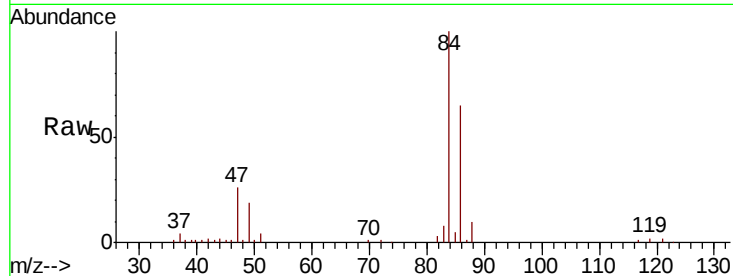




#25
Chloroform
Concen: 0.906 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV019448.D
Acq: 02 Dec 2020 14:55

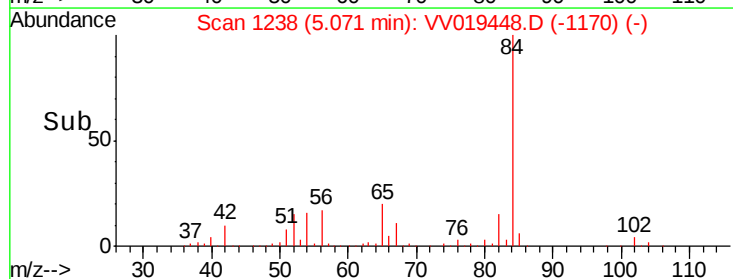
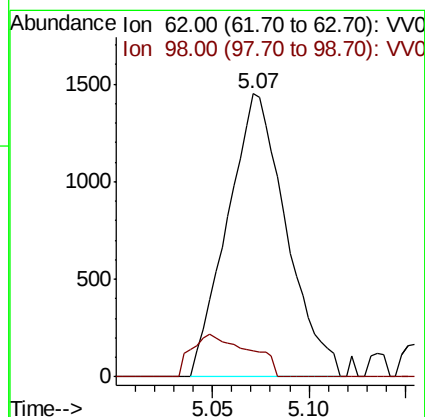
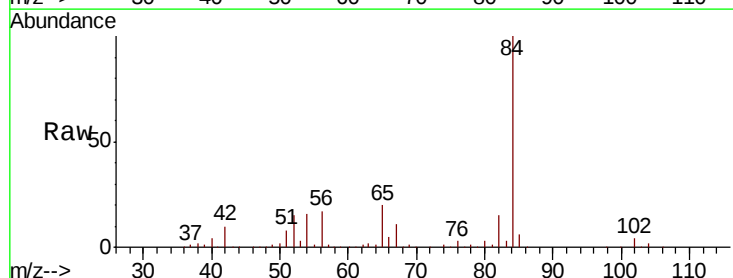
Instrument :
MSVOA_V
ClientSampleId :
C0FT9

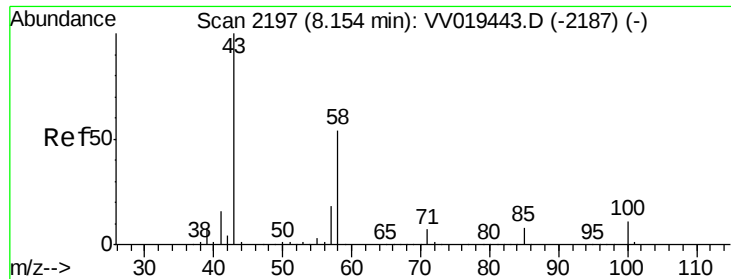
Tot Ion: 83 Resp: 4969
Ion Ratio Lower Upper
83 100
85 68.6 45.1 83.9



#27
1,2-Dichloroethane
Concen: 0.713 ug/L
RT: 5.07 min Scan# 1238
Delta R.T. -0.08 min
Lab File: VV019448.D
Acq: 02 Dec 2020 14:55

Tgt Ion: 62 Resp: 3068
Ion Ratio Lower Upper
62 100
98 9.2 7.6 11.4

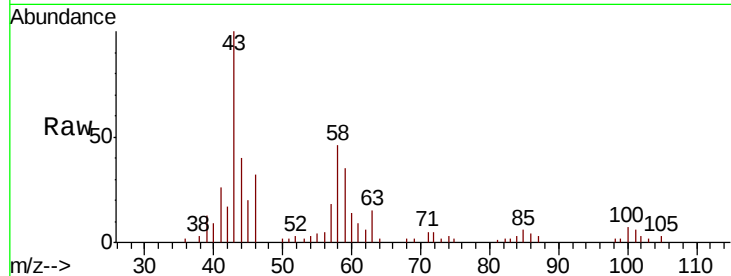




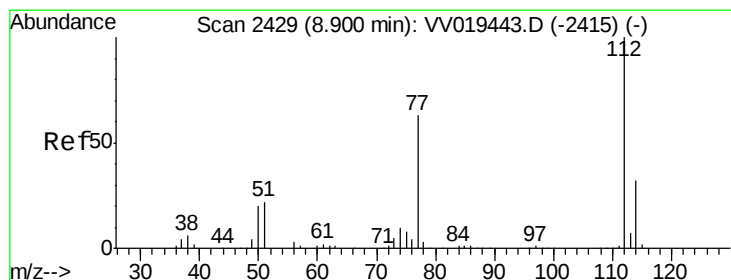
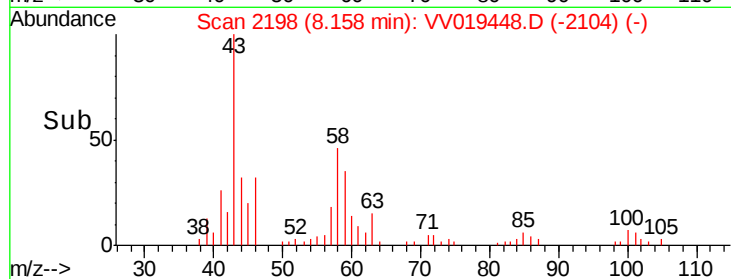
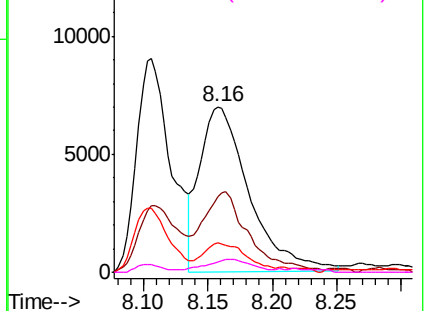
#48
2-Hexanone
Concen: 5.462 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV019448.D
Acq: 02 Dec 2020 14:55

Instrument :
MSVOA_V
ClientSampleId :
C0FT9

Tot Ion: 43 Resp: 18510
Ion Ratio Lower Upper
43 100
58 44.4 43.8 65.6
57 4.9 15.4 23.2#
100 7.3 9.0 13.6#

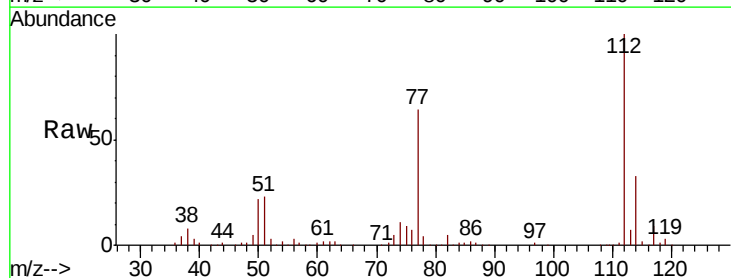


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

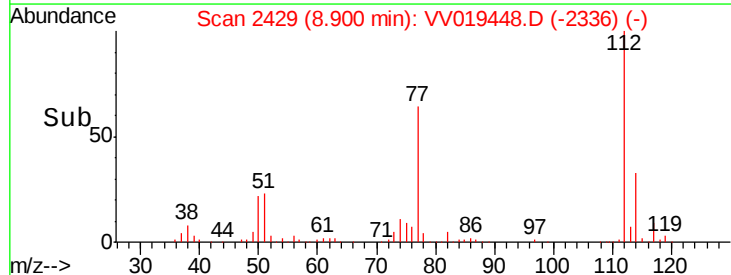
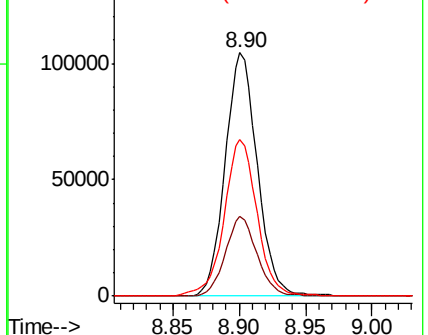


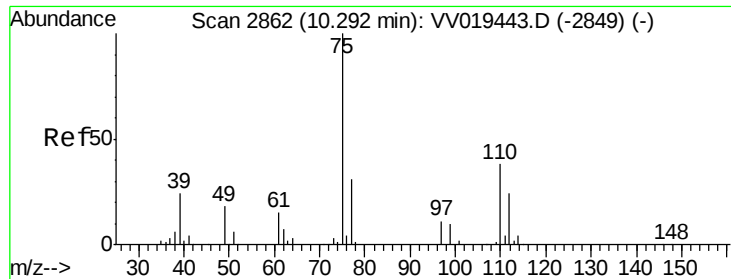
#51
Chlorobenzene
Concen: 23.415 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. 0.00 min
Lab File: VV019448.D
Acq: 02 Dec 2020 14:55

Tgt Ion: 112 Resp: 176297
Ion Ratio Lower Upper
112 100
114 32.6 22.7 42.1
77 64.5 50.3 75.5



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): VV0

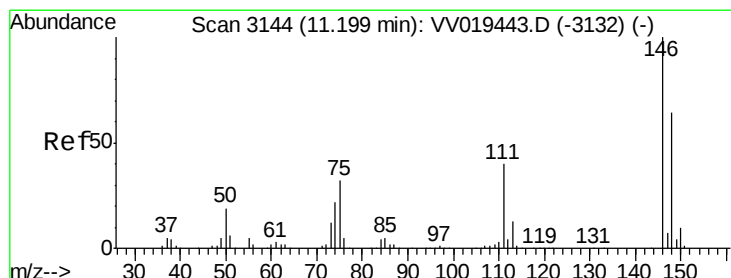
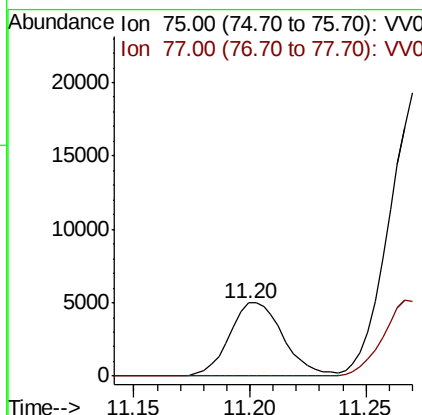
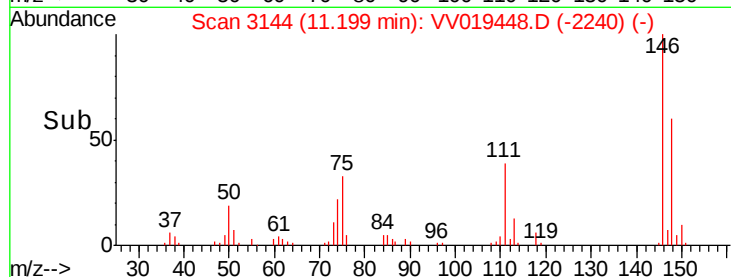
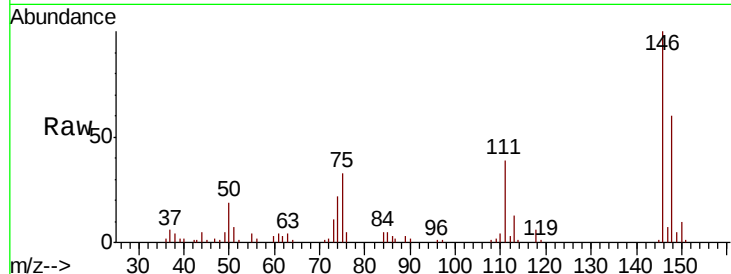




#59
 1,2,3-Trichloropropane
 Concen: 2.037 ug/L
 RT: 11.20 min Scan# 3144
 Delta R.T. 0.91 min
 Lab File: VV019448.D
 Acq: 02 Dec 2020 14:55

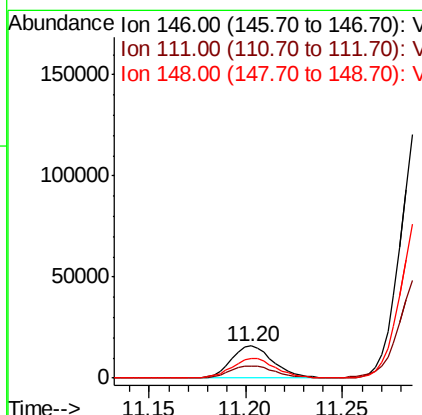
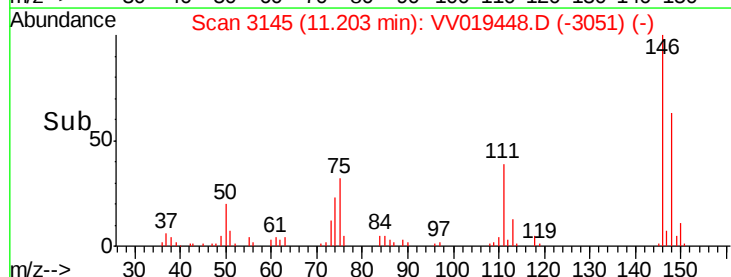
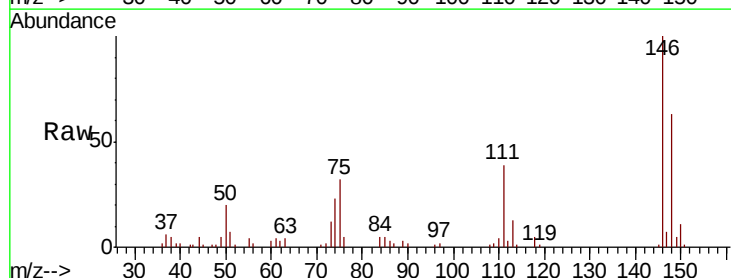
Instrument :
 MSVOA_V
 ClientSampleId :
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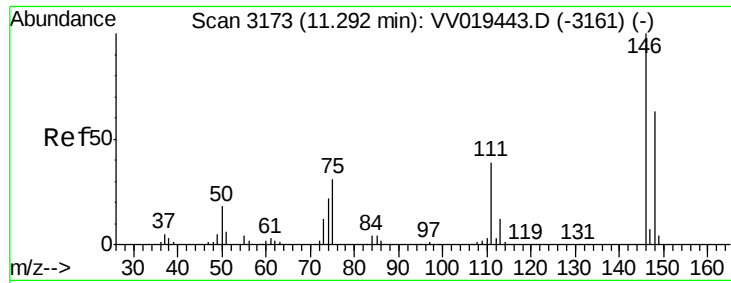
Tot Ion: 75 Resp: 8119
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.2 37.8#



#62
 1,3-Dichlorobenzene
 Concen: 4.679 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.00 min
 Lab File: VV019448.D
 Acq: 02 Dec 2020 14:55

Tgt Ion: 146 Resp: 24285
 Ion Ratio Lower Upper
 146 100
 111 38.8 27.9 51.7
 148 63.1 44.4 82.5





#63

1,4-Dichlorobenzene

Concen: 40.781 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV019448.D

Acq: 02 Dec 2020 14:55

Instrument :

MSVOA_V

ClientSampleId :

C0FT9

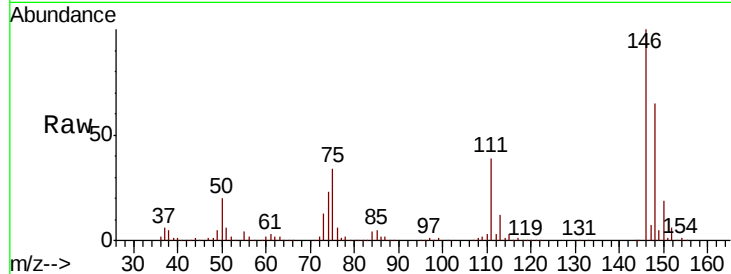
Tot Ion:146 Resp: 222475

Ion Ratio Lower Upper

146 100

111 39.3 26.7 49.7

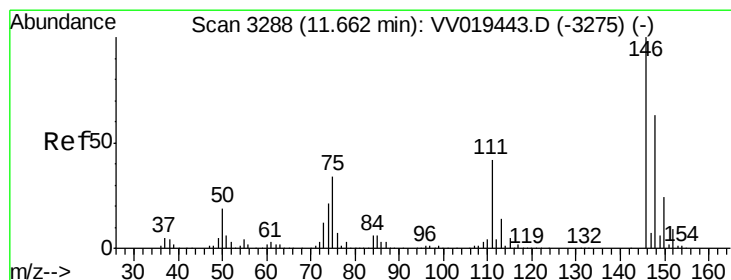
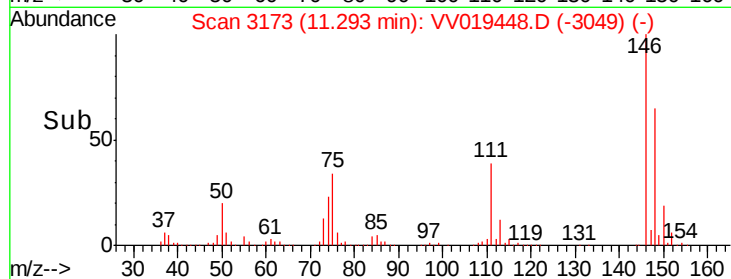
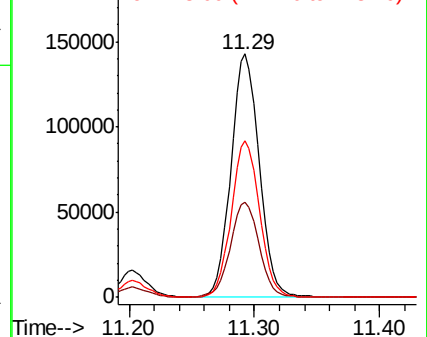
148 64.5 45.2 84.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,2-Dichlorobenzene

Concen: 173.841 ug/L

RT: 11.66 min Scan# 3288

Delta R.T. 0.00 min

Lab File: VV019448.D

Acq: 02 Dec 2020 14:55

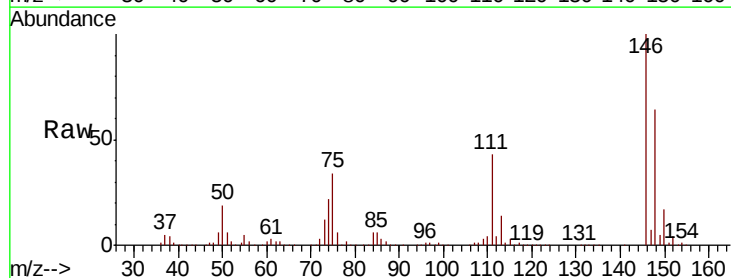
Tgt Ion:146 Resp: 926349

Ion Ratio Lower Upper

146 100

111 42.7 33.8 50.8

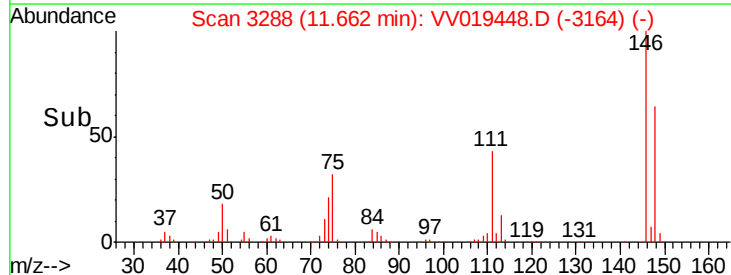
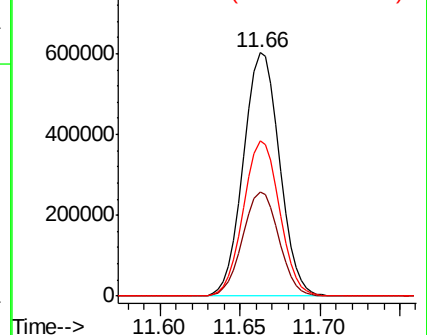
148 63.6 49.8 74.8

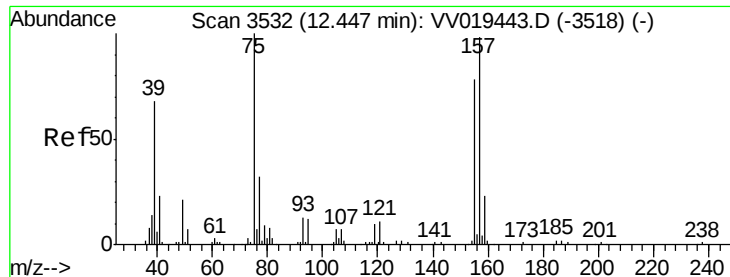


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#66

1,2-Dibromo-3-chloropropane

Concen: 2.651 ug/L

RT: 12.66 min Scan# 3598

Delta R.T. 0.21 min

Lab File: VV019448.D

Acq: 02 Dec 2020 14:55

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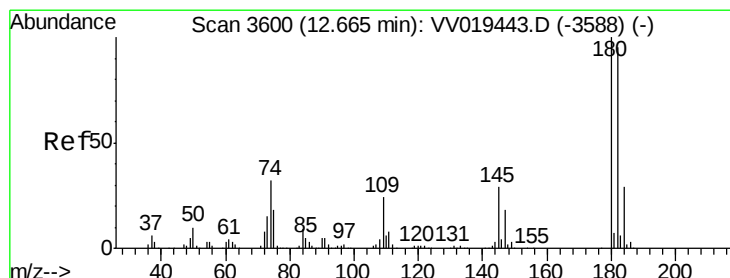
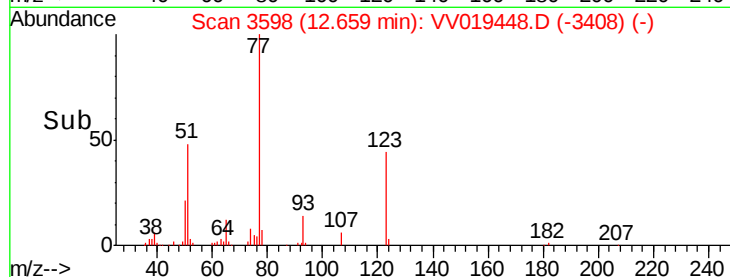
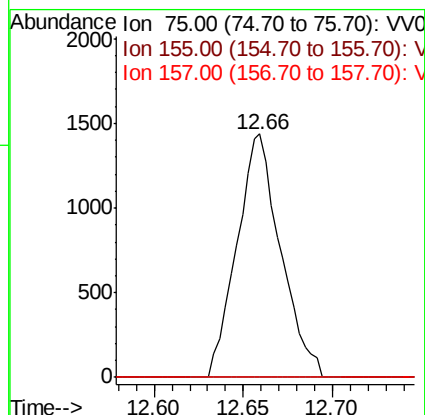
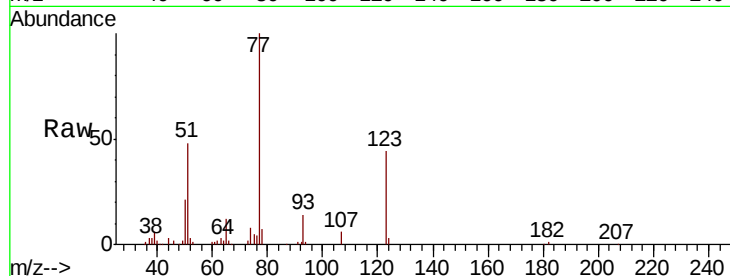
Tot Ion: 75 Resp: 2444

Ion Ratio Lower Upper

75 100

155 0.0 64.5 96.7#

157 0.0 84.2 126.2#



#67

1,3,5-Trichlorobenzene

Concen: 52.305 ug/L

RT: 13.28 min Scan# 3792

Delta R.T. 0.62 min

Lab File: VV019448.D

Acq: 02 Dec 2020 14:55

Tgt Ion: 180 Resp: 197619

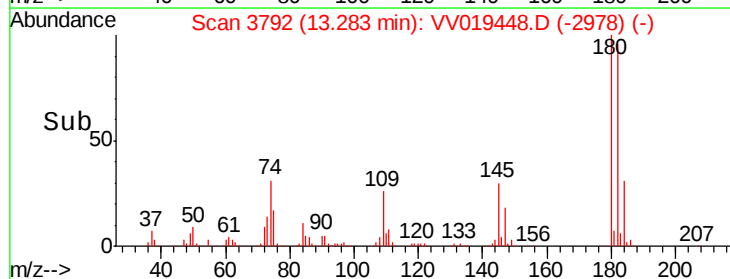
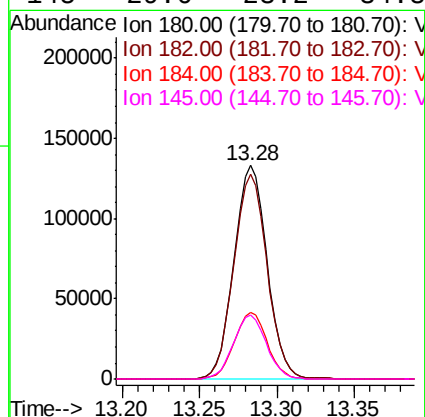
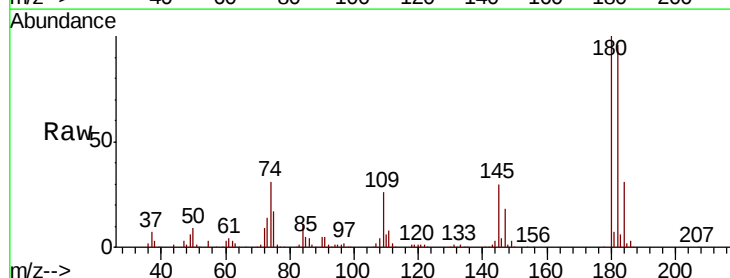
Ion Ratio Lower Upper

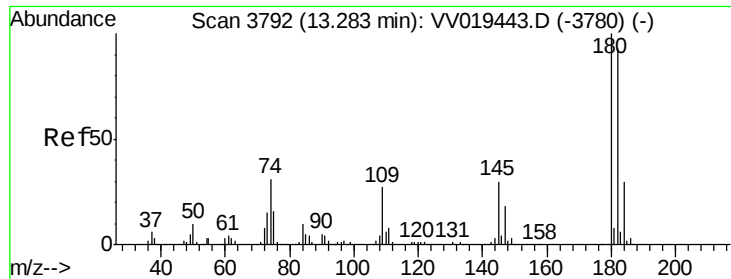
180 100

182 96.4 77.0 115.4

184 31.1 24.2 36.2

145 29.6 23.2 34.8

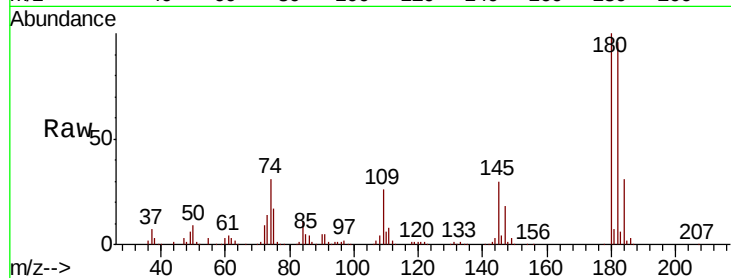




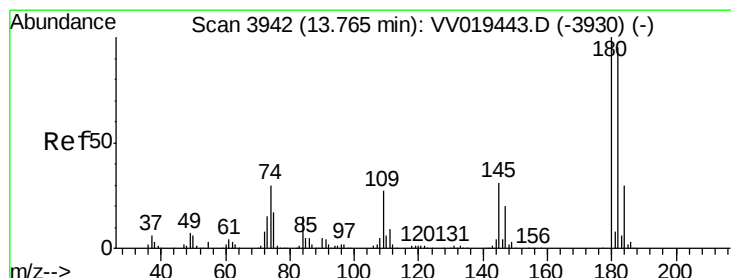
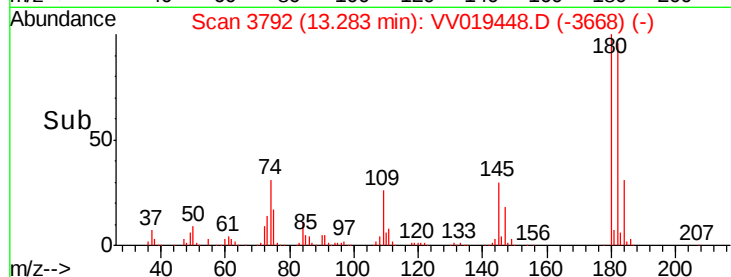
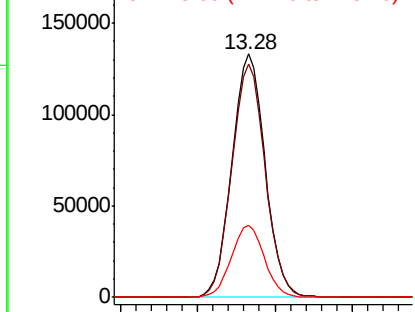
#68
 1,2,4-trichlorobenzene
 Concen: 59.078 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV019448.D
 Acq: 02 Dec 2020 14:55

Instrument :
 MSVOA_V
 ClientSampleId :
 C0FT9

Tot Ion:180 Resp: 197619
 Ion Ratio Lower Upper
 180 100
 182 96.4 76.3 114.5
 145 29.6 23.4 35.2

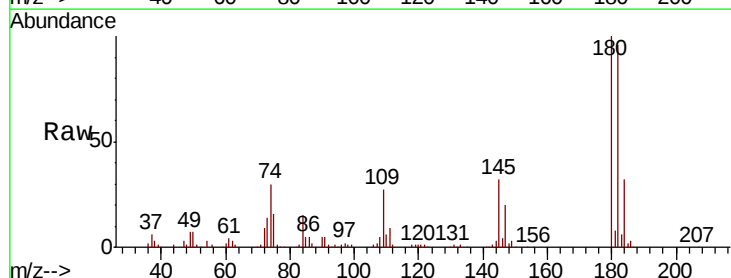


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V



#70
 1,2,3-Trichlorobenzene
 Concen: 35.562 ug/L
 RT: 13.77 min Scan# 3942
 Delta R.T. 0.00 min
 Lab File: VV019448.D
 Acq: 02 Dec 2020 14:55

Tgt Ion:180 Resp: 124341
 Ion Ratio Lower Upper
 180 100
 182 95.7 76.6 115.0
 145 31.4 25.0 37.6



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

