

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV120220\
 Data File : VV019452.D
 Acq On : 02 Dec 2020 16:37
 Operator : SY/MD
 Sample : L4921-05DL 1000X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0FW4DL

Quant Time: Dec 03 05:52:08 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	360495	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	364393	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	173069	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	138065	38.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.70%
7) Chloroethane-d5	1.58	69	129002	44.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.04%
11) 1,1-Dichloroethene-d2	2.12	63	227396	35.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.96%
21) 2-Butanone-d5	3.89	46	232471	105.94	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.94%
24) Chloroform-d	4.37	84	280258	48.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.30%
26) 1,2-Dichloroethane-d4	5.05	65	194249	50.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.98%
32) Benzene-d6	5.07	84	539413	50.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.14%
36) 1,2-Dichloropropane-d6	6.09	67	188100	52.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.94%
41) Toluene-d8	7.33	98	460975	47.76	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.52%
43) trans-1,3-Dichloropropene-	7.64	79	84872	49.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.04%
47) 2-Hexanone-d5	8.10	63	127773	90.47	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.47%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	216288	46.61	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.22%
64) 1,2-Dichlorobenzene-d4	11.65	152	181673	54.05	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.10%

Target Compounds

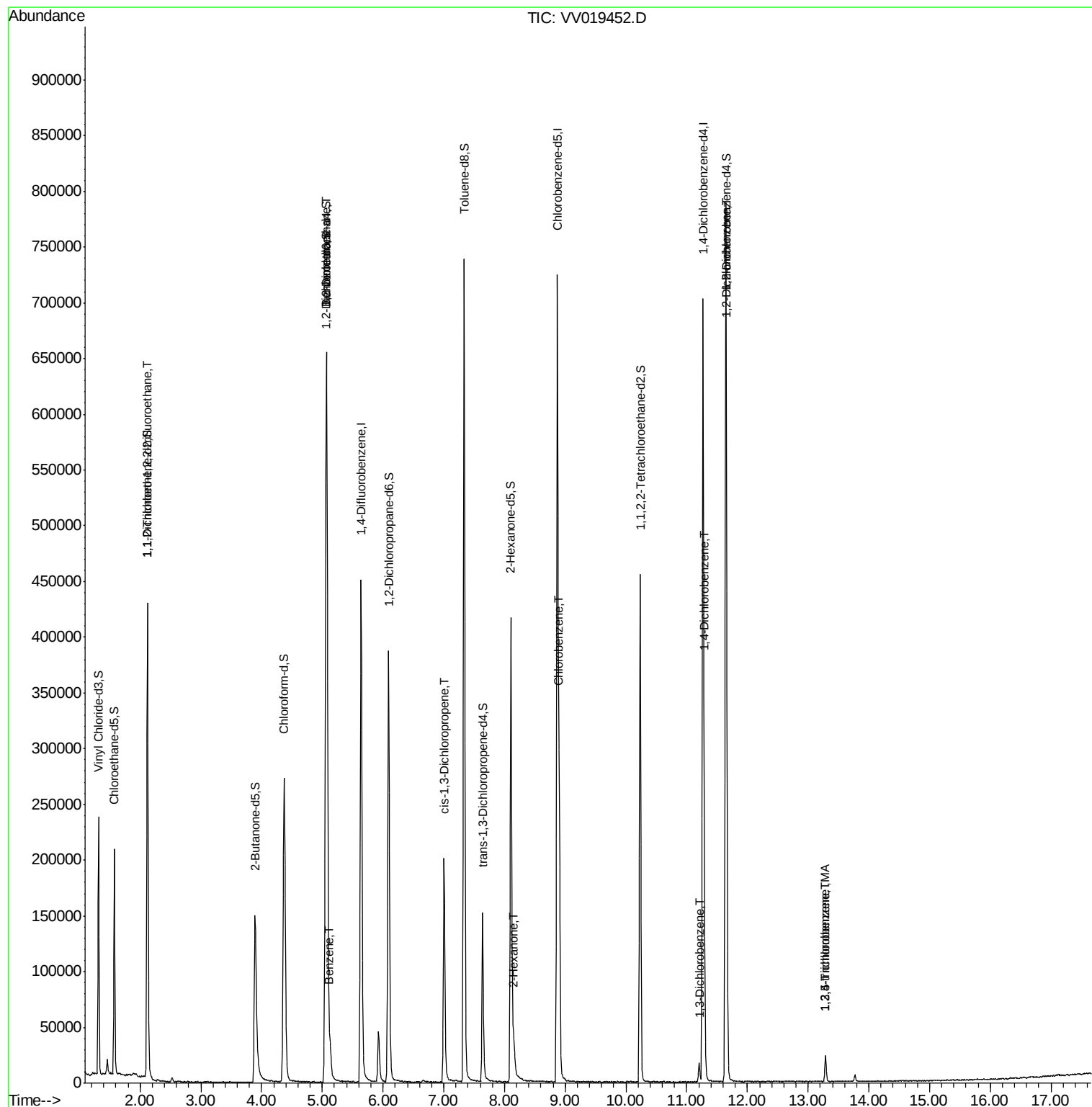
					Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1955	0.773 ug/L #	23
27) 1,2-Dichloroethane	5.07	62	3340	0.789 ug/L	99
33) Benzene	5.13	78	31845	2.920 ug/L	100
39) cis-1,3-Dichloropropene	7.00	75	4811	1.083 ug/L #	63
48) 2-Hexanone	8.16	43	18059	5.376 ug/L #	77
51) Chlorobenzene	8.90	112	139437	18.684 ug/L	98
62) 1,3-Dichlorobenzene	11.21	146	6638	1.318 ug/L	96
63) 1,4-Dichlorobenzene	11.29	146	51742	9.777 ug/L	97
65) 1,2-Dichlorobenzene	11.66	146	67566	13.071 ug/L	97
67) 1,3,5-Trichlorobenzene	13.29	180	7508	2.049 ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	7508	2.314 ug/L	99

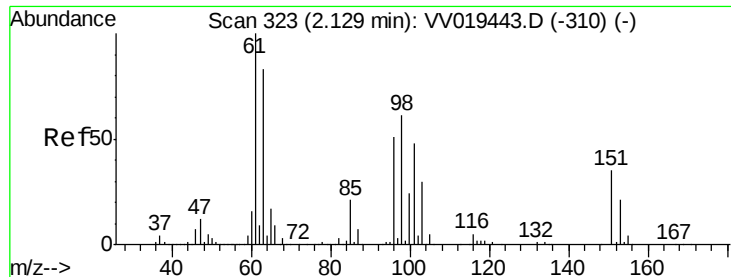
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV120220\
Data File : VV019452.D
Acq On : 02 Dec 2020 16:37
Operator : SY/MD
Sample : L4921-05DL 1000X
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0FW4DL

Quant Time: Dec 03 05:52:08 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM112320WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Dec 03 05:50:19 2020
Response via : Initial Calibration





#10

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

Concen: 0.773 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV019452.D

Acq: 02 Dec 2020 16:37

Instrument :

MSVOA_V

ClientSampleId :

C0FW4DL

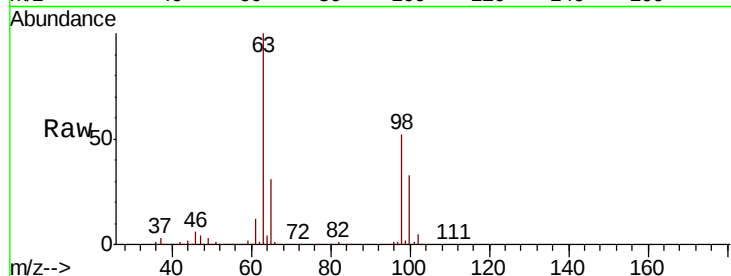
Tot Ion:101 Resp: 1955

Ion Ratio Lower Upper

101 100

85 6.1 35.5 53.3#

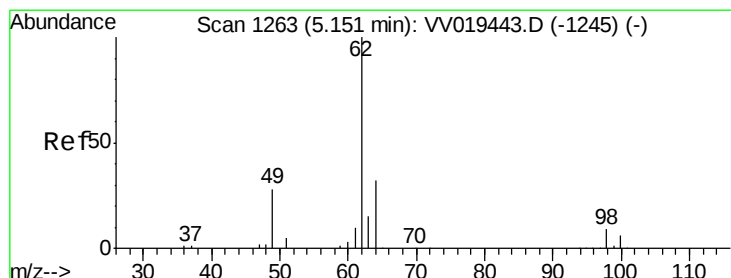
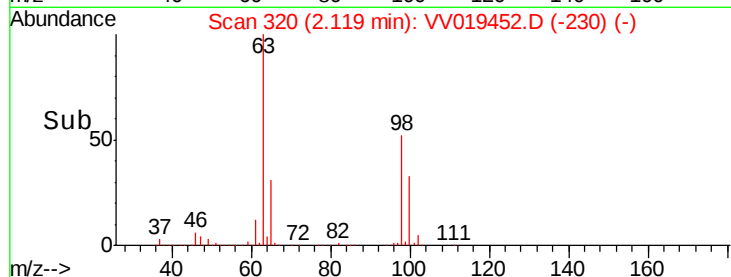
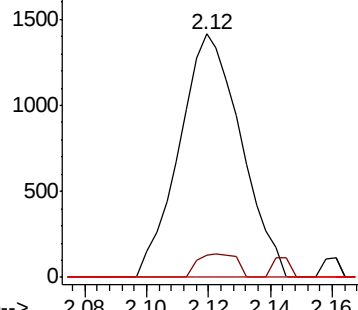
151 0.0 58.9 88.3#



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



#27

1,2-Dichloroethane

Concen: 0.789 ug/L

RT: 5.07 min Scan# 1238

Delta R.T. -0.08 min

Lab File: VV019452.D

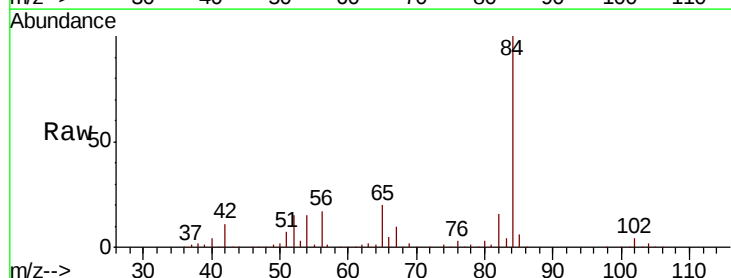
Acq: 02 Dec 2020 16:37

Tgt Ion: 62 Resp: 3340

Ion Ratio Lower Upper

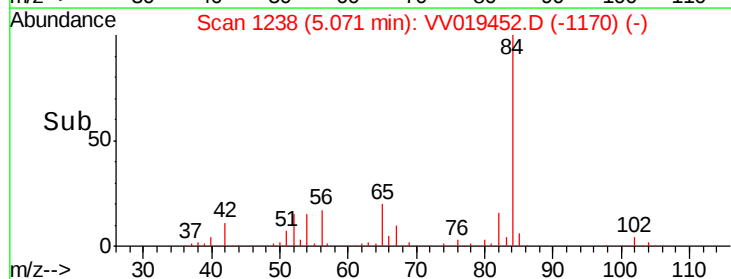
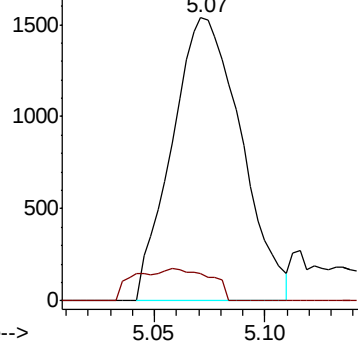
62 100

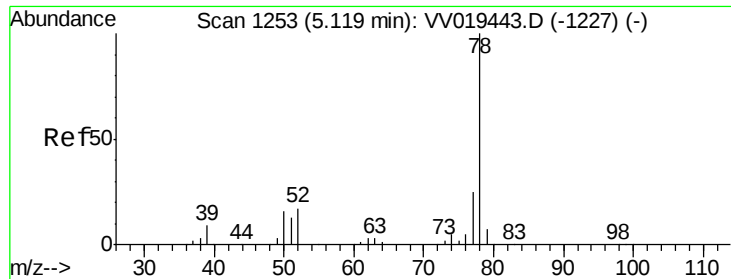
98 9.7 7.6 11.4



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#33

Benzene

Concen: 2.920 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VV019452.D

Acq: 02 Dec 2020 16:37

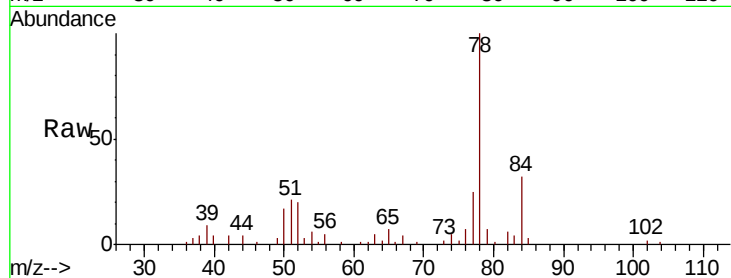
Instrument :

MSVOA_V

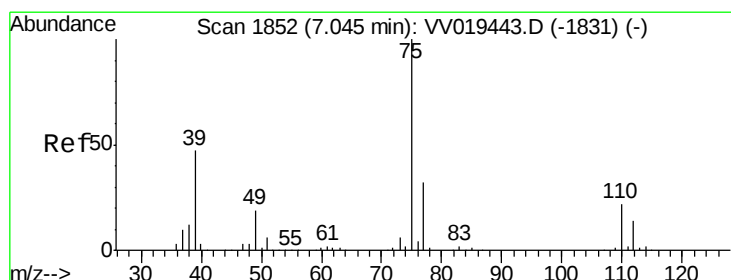
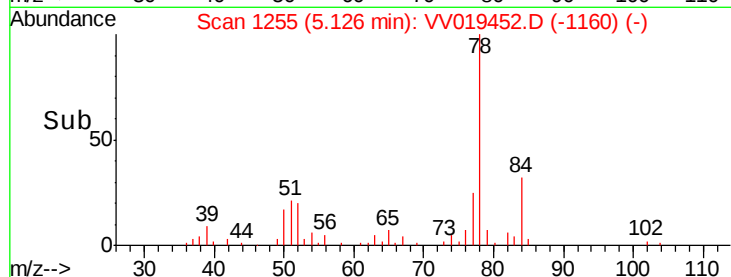
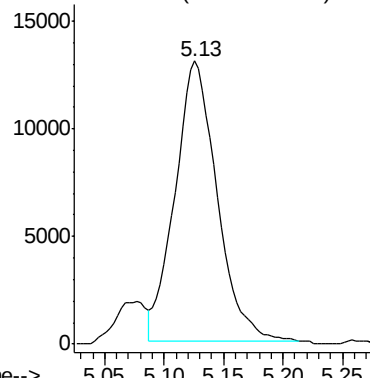
ClientSampleId :

C0FW4DL

Tgt Ion: 78 Resp: 31845



Abundance Ion 78.00 (77.70 to 78.70): VV0



#39

cis-1,3-Dichloropropene

Concen: 1.083 ug/L

RT: 7.00 min Scan# 1839

Delta R.T. -0.04 min

Lab File: VV019452.D

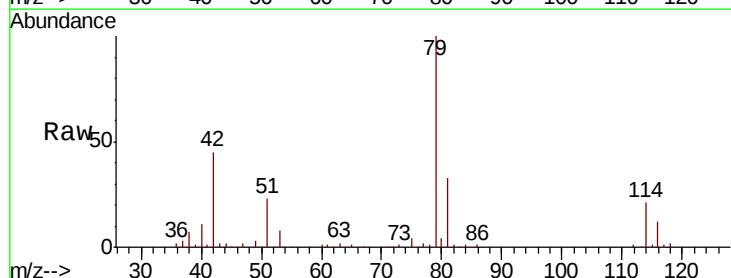
Acq: 02 Dec 2020 16:37

Tgt Ion: 75 Resp: 4811

Ion Ratio Lower Upper

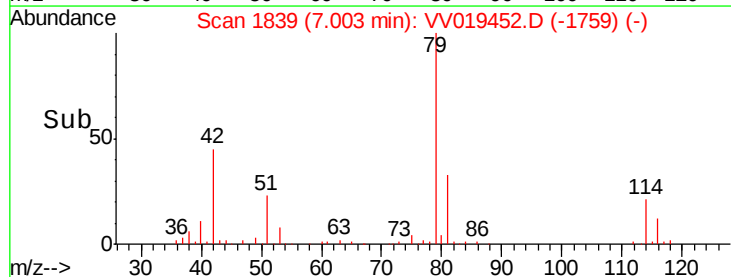
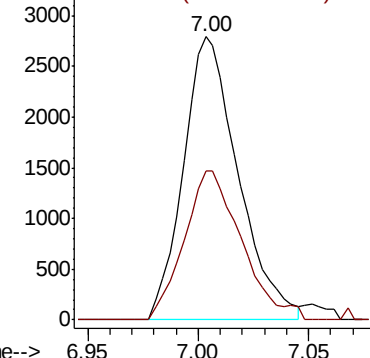
75 100

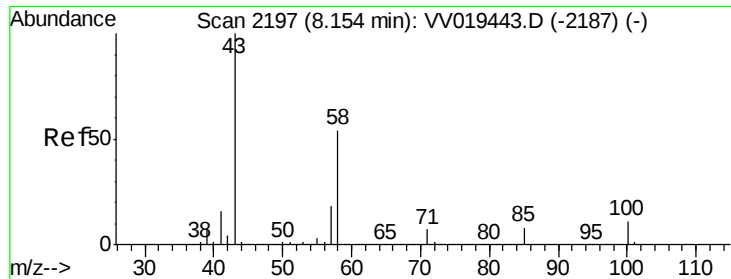
77 52.8 22.5 41.7#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

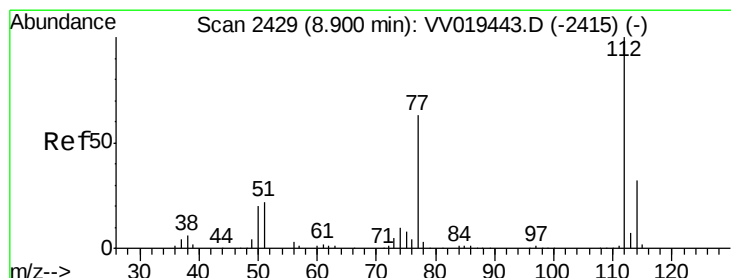
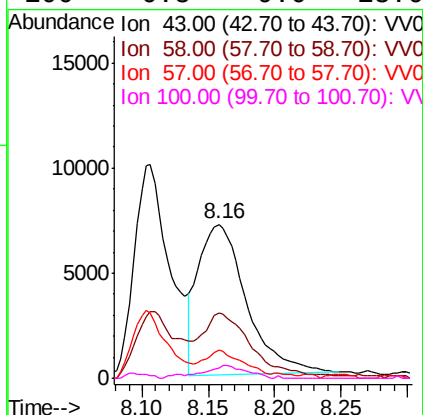
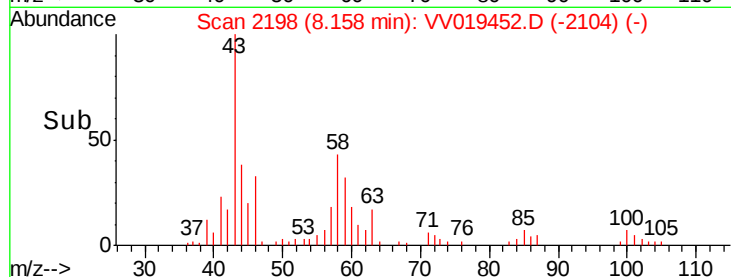
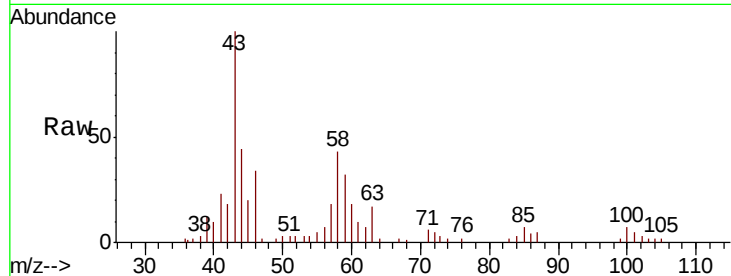




#48
2-Hexanone
Concen: 5.376 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV019452.D
Acq: 02 Dec 2020 16:37

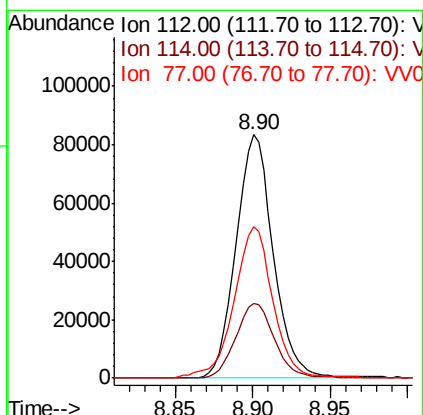
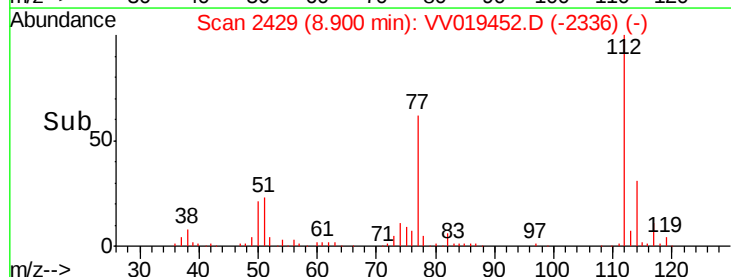
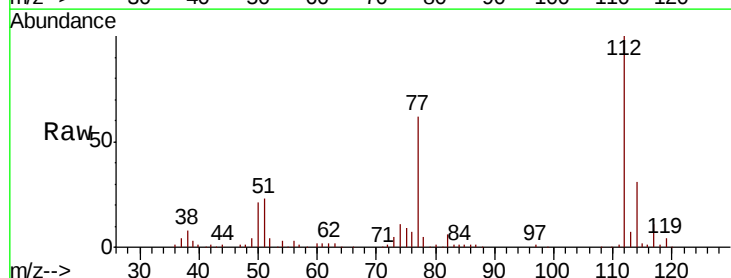
Instrument :
MSVOA_V
ClientSampleId :
C0FW4DL

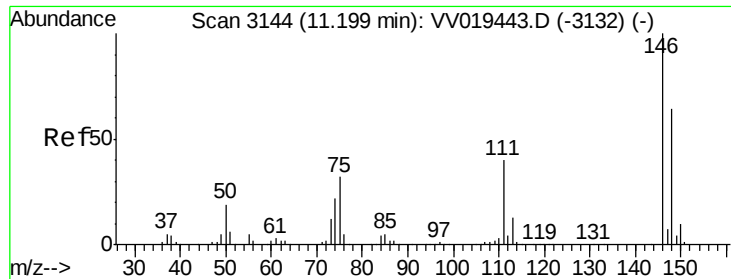
Tot Ion: 43 Resp: 18059
Ion Ratio Lower Upper
43 100
58 34.6 43.8 65.6#
57 12.6 15.4 23.2#
100 6.8 9.0 13.6#



#51
Chlorobenzene
Concen: 18.684 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. 0.00 min
Lab File: VV019452.D
Acq: 02 Dec 2020 16:37

Tgt Ion: 112 Resp: 139437
Ion Ratio Lower Upper
112 100
114 30.9 22.7 42.1
77 62.2 50.3 75.5

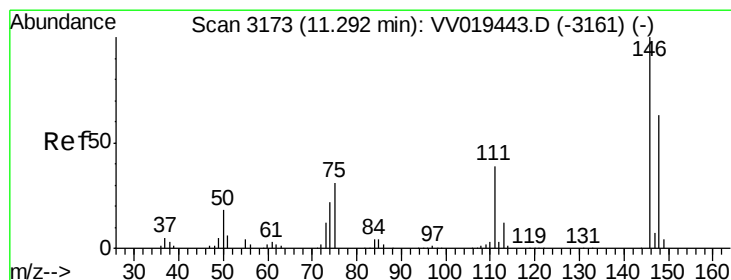
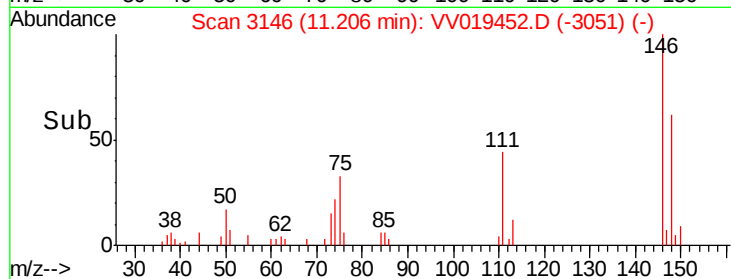
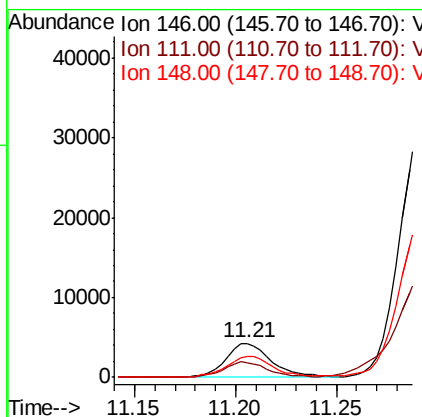
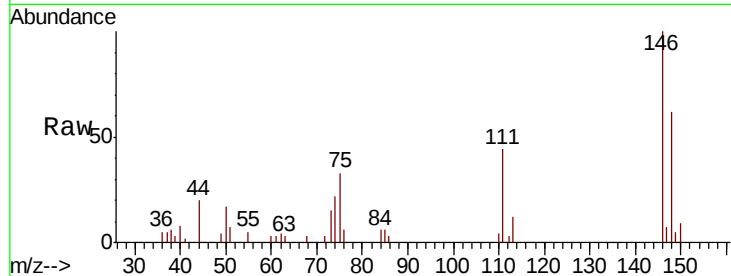




#62
 1,3-Dichlorobenzene
 Concen: 1.318 ug/L
 RT: 11.21 min Scan# 3146
 Delta R.T. 0.01 min
 Lab File: VV019452.D
 Acq: 02 Dec 2020 16:37

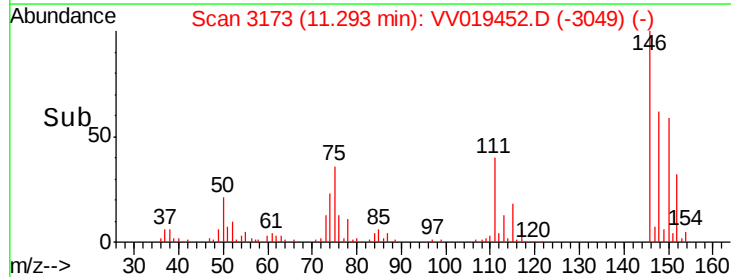
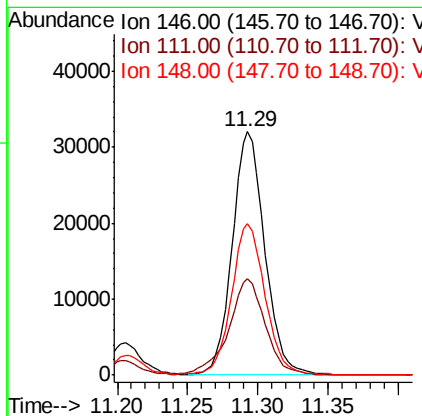
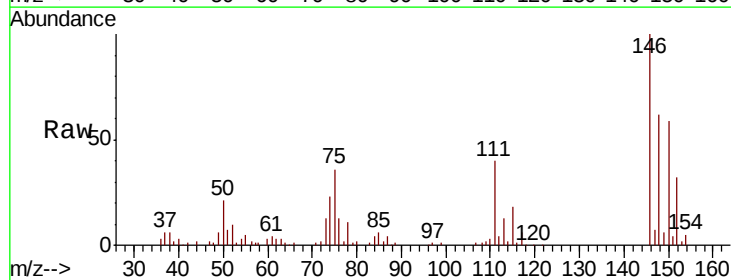
Instrument :
 MSVOA_V
 ClientSampleId :
 C0FW4DL

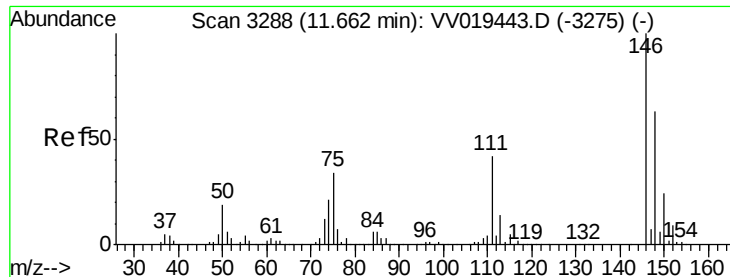
Tot Ion:146 Resp: 6638
 Ion Ratio Lower Upper
 146 100
 111 43.8 27.9 51.7
 148 62.1 44.4 82.5



#63
 1,4-Dichlorobenzene
 Concen: 9.777 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV019452.D
 Acq: 02 Dec 2020 16:37

Tgt Ion:146 Resp: 51742
 Ion Ratio Lower Upper
 146 100
 111 39.6 26.7 49.7
 148 62.3 45.2 84.0





#65

1,2-Dichlorobenzene

Concen: 13.071 ug/L

RT: 11.66 min Scan# 3288

Delta R.T. 0.00 min

Lab File: VV019452.D

Acq: 02 Dec 2020 16:37

Instrument :

MSVOA_V

ClientSampled :

C0FW4DL

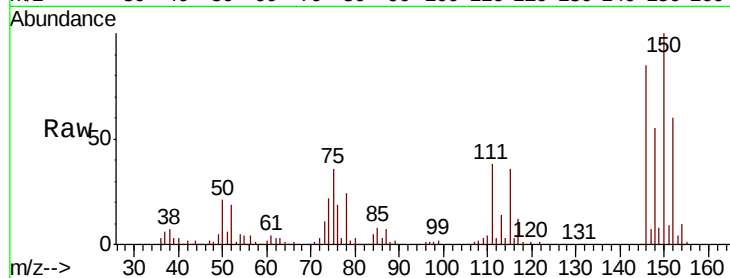
Tot Ion:146 Resp: 67566

Ion Ratio Lower Upper

146 100

111 44.9 33.8 50.8

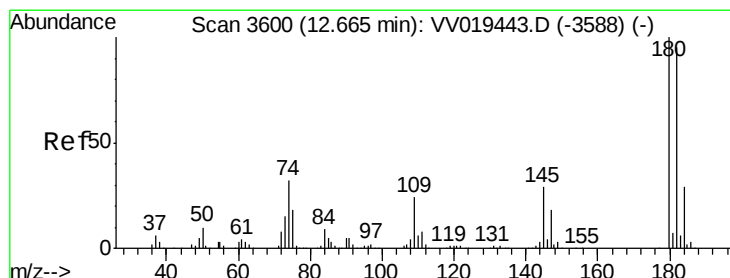
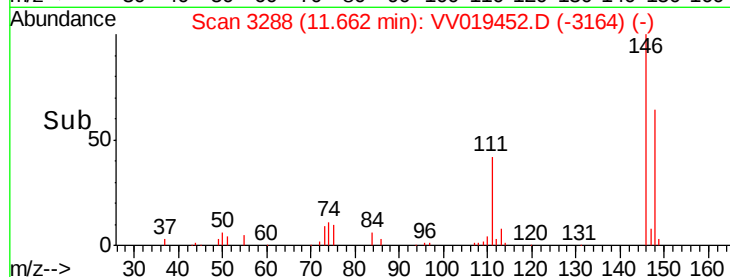
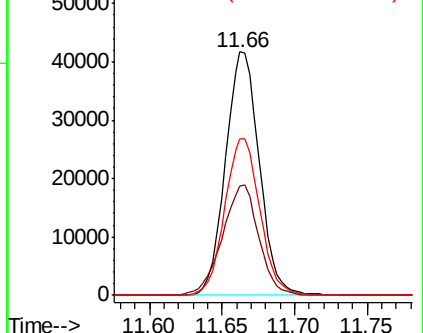
148 64.6 49.8 74.8



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



#67

1,3,5-Trichlorobenzene

Concen: 2.049 ug/L

RT: 13.29 min Scan# 3793

Delta R.T. 0.62 min

Lab File: VV019452.D

Acq: 02 Dec 2020 16:37

Tgt Ion:180 Resp: 7508

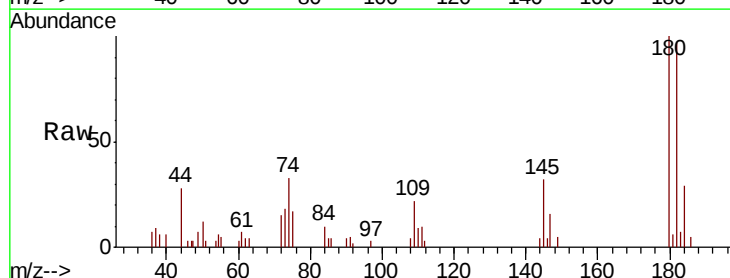
Ion Ratio Lower Upper

180 100

182 96.1 77.0 115.4

184 29.5 24.2 36.2

145 30.8 23.2 34.8

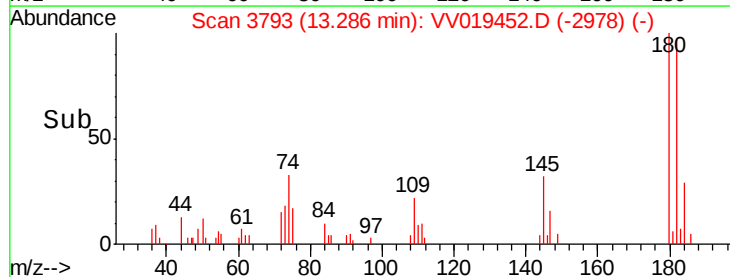
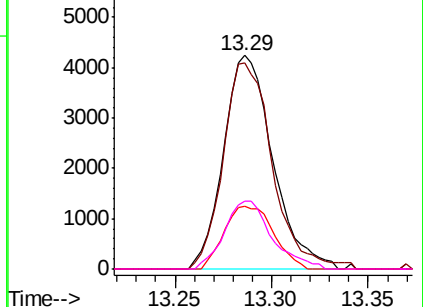


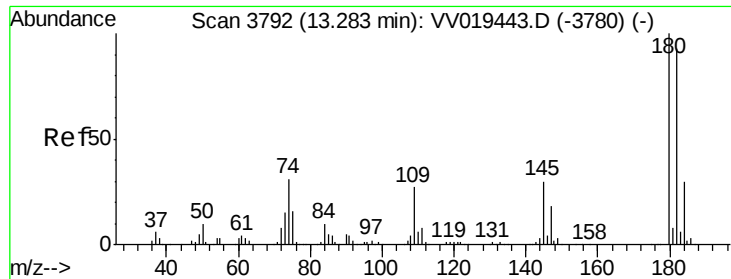
Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V





#68

1,2,4-trichlorobenzene

Concen: 2.314 ug/L

RT: 13.29 min Scan# 3793

Delta R.T. 0.00 min

Lab File: VV019452.D

Acq: 02 Dec 2020 16:37

Instrument :

MSVOA_V

ClientSampleId :

C0FW4DL

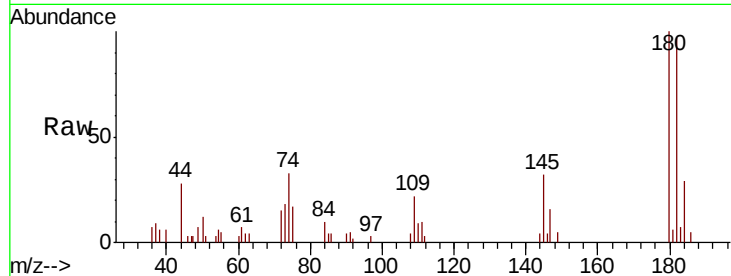
Tot Ion:180 Resp: 7508

Ion Ratio Lower Upper

180 100

182 96.1 76.3 114.5

145 30.8 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

