

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV120220\
 Data File : VV019449.D
 Acq On : 02 Dec 2020 15:20
 Operator : SY/MD
 Sample : L4921-02
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0FW1

Quant Time: Dec 03 05:51:47 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	383418	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	385575	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	183618	50.00	ug/L	0.00

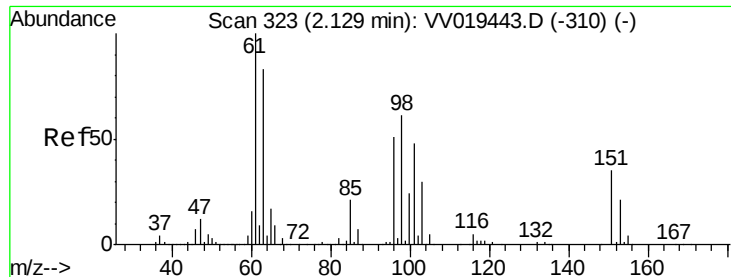
System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	145533	38.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.00%
7) Chloroethane-d5	1.58	69	133232	42.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.50%
11) 1,1-Dichloroethene-d2	2.12	63	238244	34.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.90%
21) 2-Butanone-d5	3.89	46	232787	99.74	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.74%
24) Chloroform-d	4.37	84	284438	45.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.90%
26) 1,2-Dichloroethane-d4	5.05	65	193777	47.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.64%
32) Benzene-d6	5.07	84	557138	48.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.74%
36) 1,2-Dichloropropane-d6	6.09	67	188212	49.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.24%
41) Toluene-d8	7.33	98	479428	46.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.88%
43) trans-1,3-Dichloropropene-	7.64	79	85521	46.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.36%
47) 2-Hexanone-d5	8.10	63	119794	80.16	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	80.16%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	203529	41.45	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	82.90%
64) 1,2-Dichlorobenzene-d4	11.64	152	188696	52.92	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.84%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	2179	0.810	ug/L #	22
13) Acetone	2.17	43	9549	5.351	ug/L	97
25) Chloroform	4.40	83	10167	1.771	ug/L	83
27) 1,2-Dichloroethane	5.07	62	3360	0.746	ug/L	95
48) 2-Hexanone	8.16	43	22262	6.263	ug/L #	82
51) Chlorobenzene	8.90	112	36978	4.683	ug/L	99
59) 1,2,3-Trichloropropane	11.27	75	29360	7.023	ug/L	91
62) 1,3-Dichlorobenzene	11.21	146	6715	1.257	ug/L	97
63) 1,4-Dichlorobenzene	11.29	146	21814	3.885	ug/L	96
65) 1,2-Dichlorobenzene	11.66	146	219854	40.088	ug/L	98
67) 1,3,5-Trichlorobenzene	13.28	180	32917	8.465	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	32917	9.561	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	25035	6.957	ug/L	99

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



#10

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

Concen: 0.810 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV019449.D

Acq: 02 Dec 2020 15:20

Instrument :

MSVOA_V

ClientSampled :

C0FW1

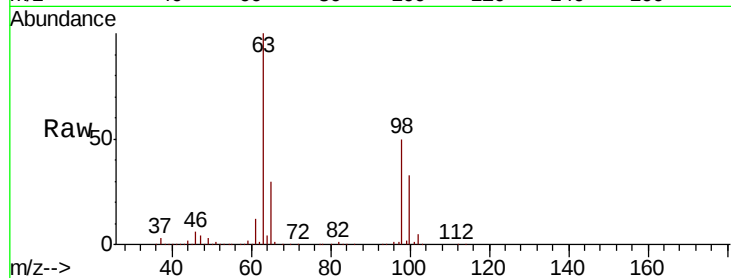
Tot Ion:101 Resp: 2179

Ion Ratio Lower Upper

101 100

85 4.1 35.5 53.3#

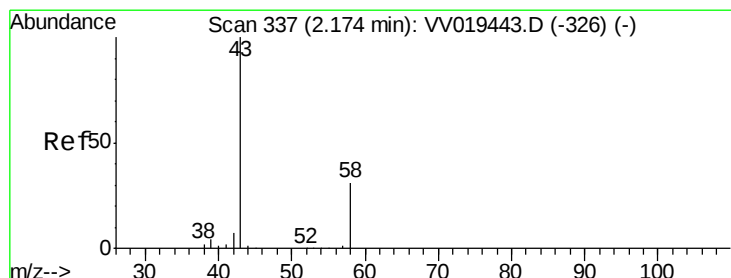
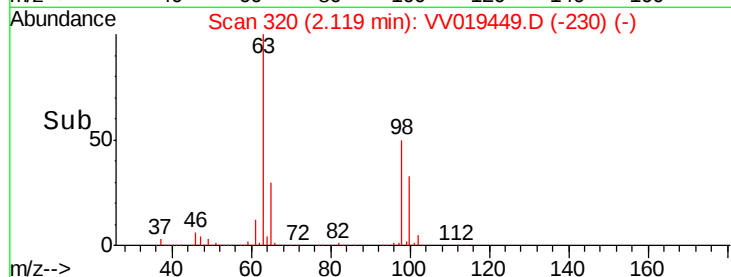
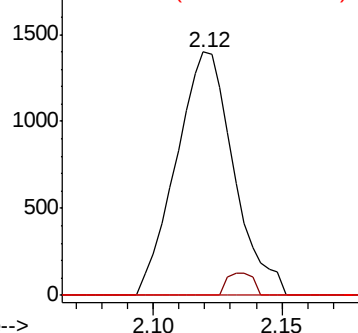
151 0.0 58.9 88.3#



Abundance Ion 101.00 (100.70 to 101.70): VV019443.D (-310) (-)

Ion 85.00 (84.70 to 85.70): VV019443.D (-310) (-)

Ion 151.00 (150.70 to 151.70): VV019443.D (-310) (-)



#13

Acetone

Concen: 5.351 ug/L

RT: 2.17 min Scan# 336

Delta R.T. -0.00 min

Lab File: VV019449.D

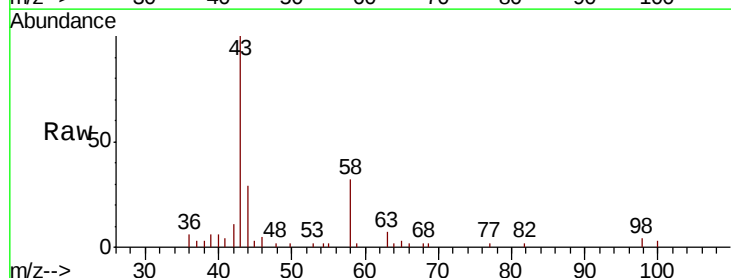
Acq: 02 Dec 2020 15:20

Tgt Ion: 43 Resp: 9549

Ion Ratio Lower Upper

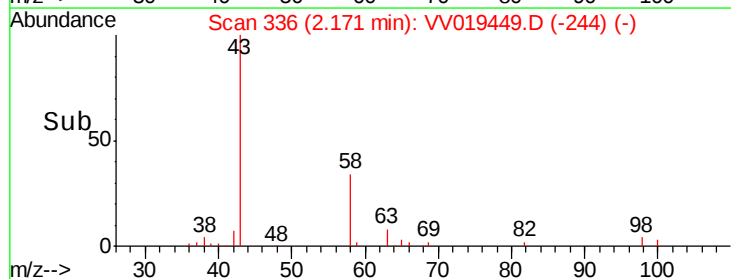
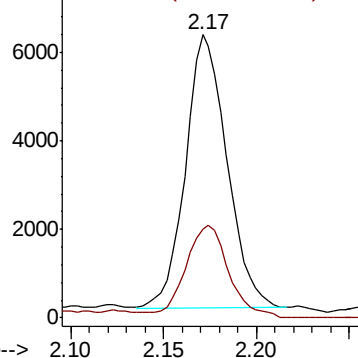
43 100

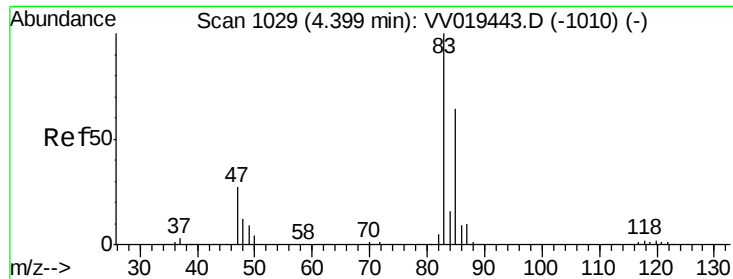
58 35.1 0.0 66.4



Abundance Ion 43.00 (42.70 to 43.70): VV019443.D (-326) (-)

Ion 58.00 (57.70 to 58.70): VV019443.D (-326) (-)

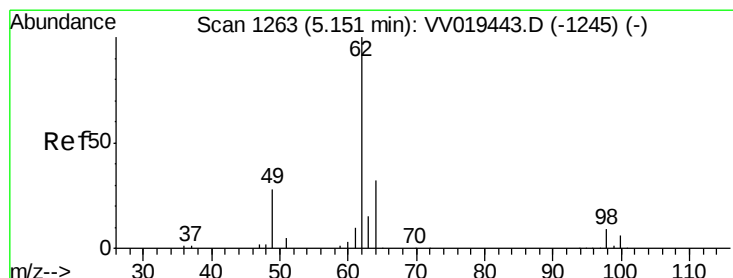
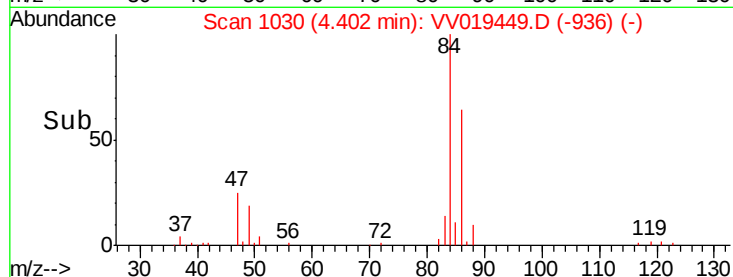
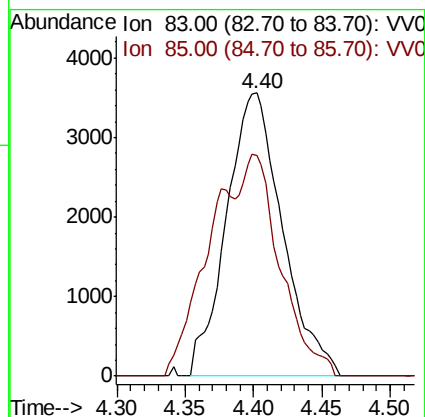
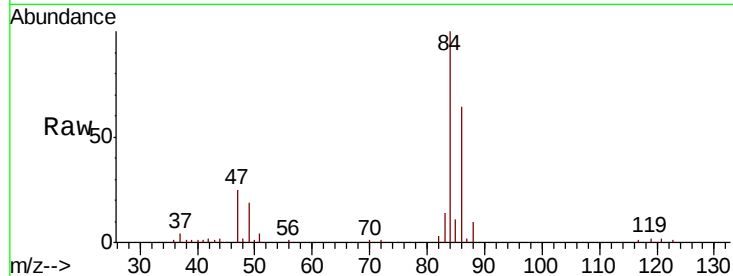




#25
Chloroform
Concen: 1.771 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV019449.D
Acq: 02 Dec 2020 15:20

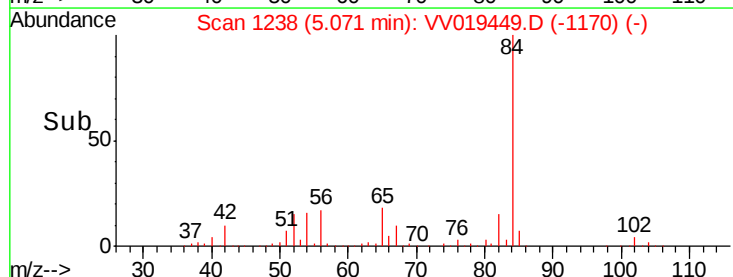
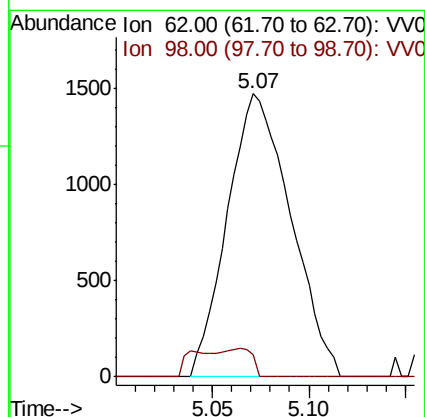
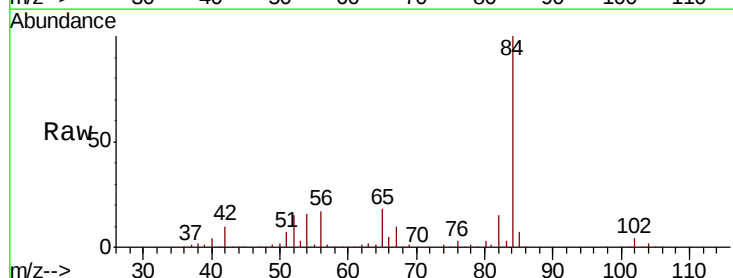
Instrument :
MSVOA_V
ClientSampleId :
C0FW1

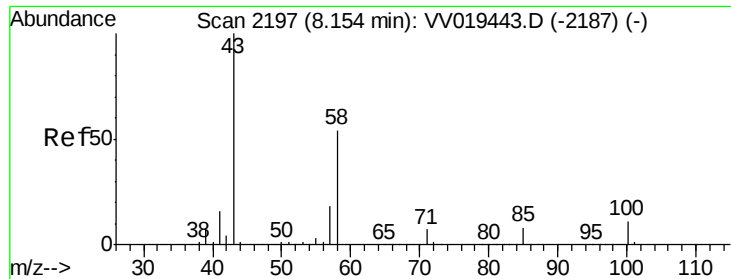
Tot Ion: 83 Resp: 10167
Ion Ratio Lower Upper
83 100
85 77.8 45.1 83.9



#27
1,2-Dichloroethane
Concen: 0.746 ug/L
RT: 5.07 min Scan# 1238
Delta R.T. -0.08 min
Lab File: VV019449.D
Acq: 02 Dec 2020 15:20

Tgt Ion: 62 Resp: 3360
Ion Ratio Lower Upper
62 100
98 7.8 7.6 11.4

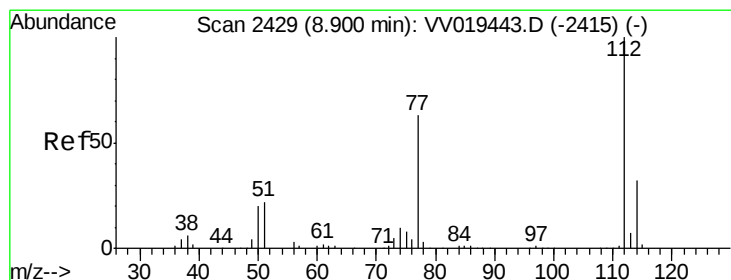
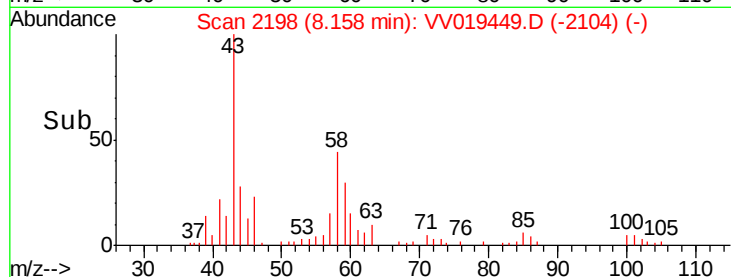
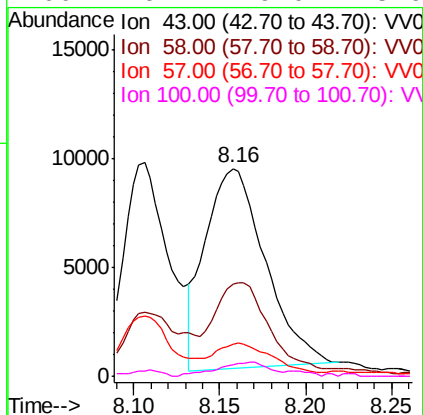
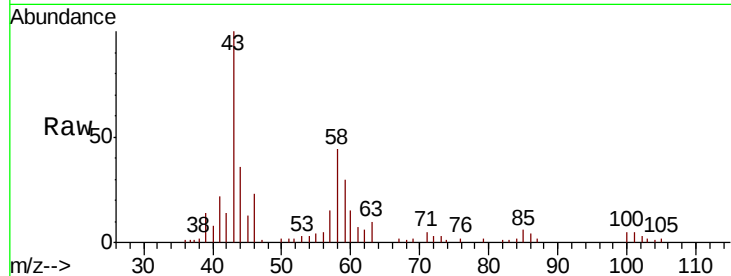




#48
2-Hexanone
Concen: 6.263 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV019449.D
Acq: 02 Dec 2020 15:20

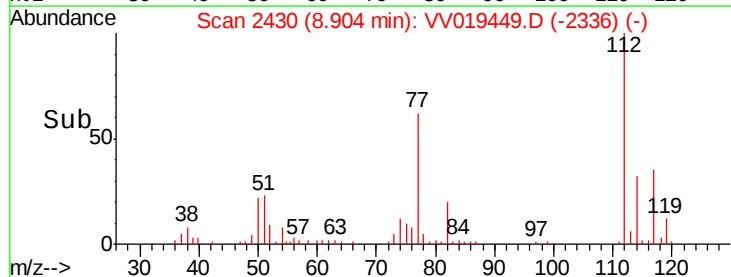
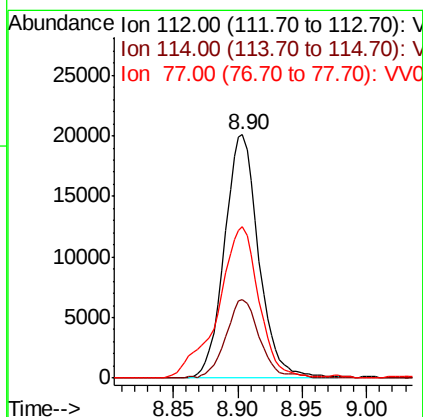
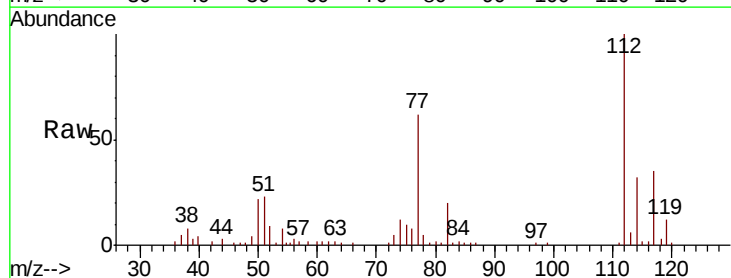
Instrument :
MSVOA_V
ClientSampled :
C0FW1

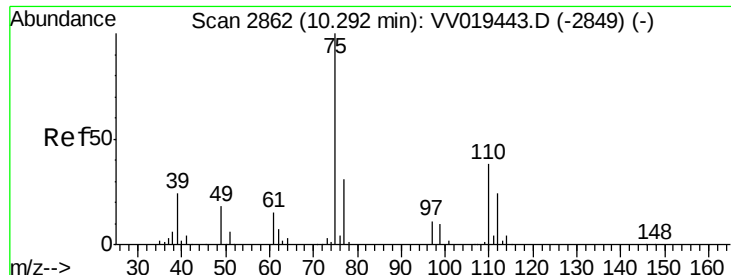
Tot Ion: 43 Resp: 22262
Ion Ratio Lower Upper
43 100
58 39.3 43.8 65.6#
57 14.1 15.4 23.2#
100 6.1 9.0 13.6#



#51
Chlorobenzene
Concen: 4.683 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV019449.D
Acq: 02 Dec 2020 15:20

Tgt Ion: 112 Resp: 36978
Ion Ratio Lower Upper
112 100
114 32.3 22.7 42.1
77 62.0 50.3 75.5





#59

1,2,3-Trichloropropane

Concen: 7.023 ug/L

RT: 11.27 min Scan# 3165

Delta R.T. 0.97 min

Lab File: VV019449.D

Acq: 02 Dec 2020 15:20

Instrument :

MSVOA_V

ClientSampleId :

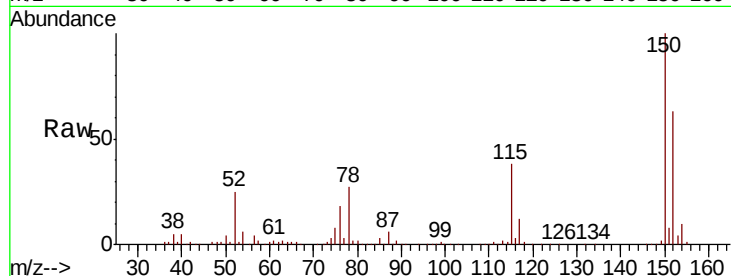
C0FW1

Tot Ion: 75 Resp: 29360

Ion Ratio Lower Upper

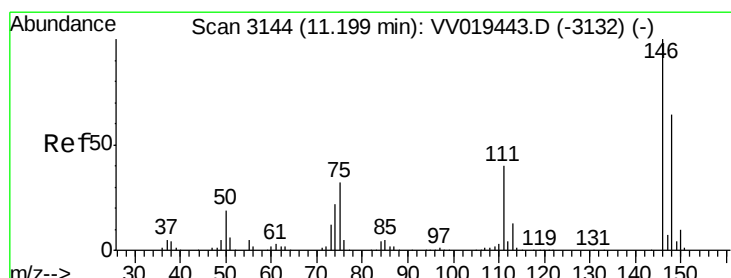
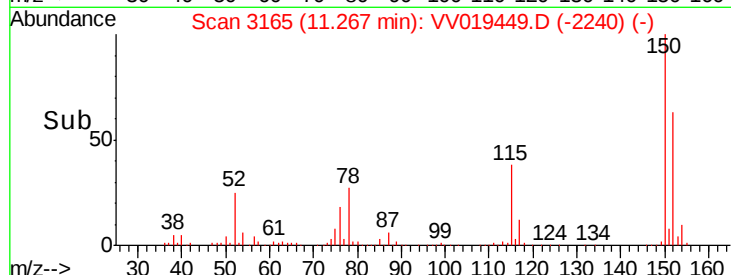
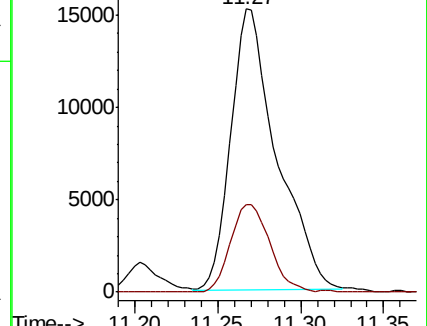
75 100

77 26.6 25.2 37.8



Abundance Ion 75.00 (74.70 to 75.70): VV019449.D (-2240) (-)

Ion 77.00 (76.70 to 77.70): VV019449.D (-2240) (-)



#62

1,3-Dichlorobenzene

Concen: 1.257 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.01 min

Lab File: VV019449.D

Acq: 02 Dec 2020 15:20

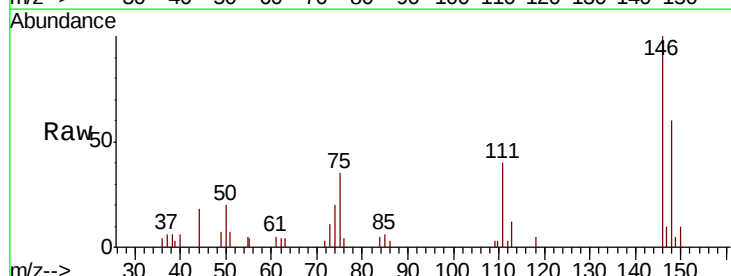
Tgt Ion: 146 Resp: 6715

Ion Ratio Lower Upper

146 100

111 40.1 27.9 51.7

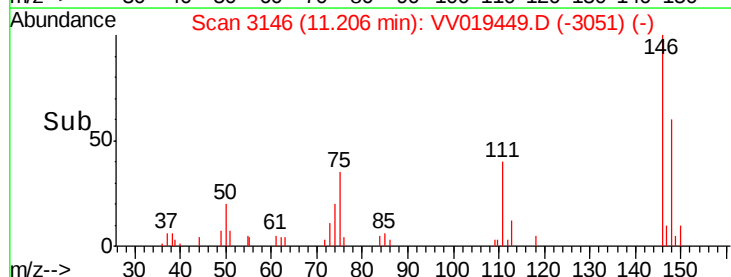
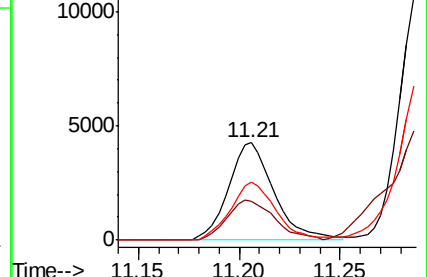
148 59.6 44.4 82.5

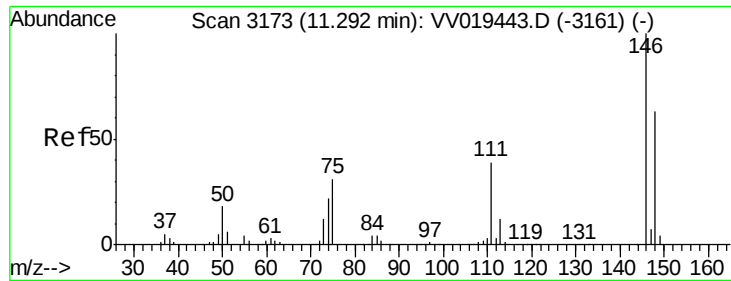


Abundance Ion 146.00 (145.70 to 146.70): VV019449.D (-3051) (-)

Ion 111.00 (110.70 to 111.70): VV019449.D (-3051) (-)

Ion 148.00 (147.70 to 148.70): VV019449.D (-3051) (-)

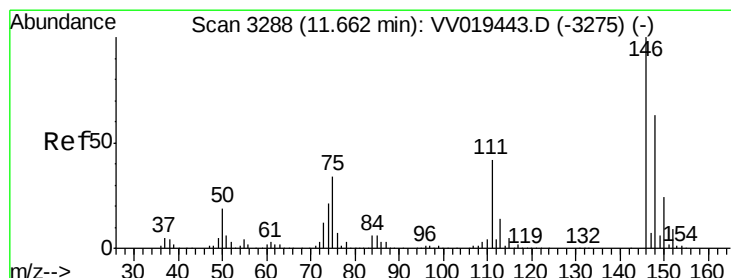
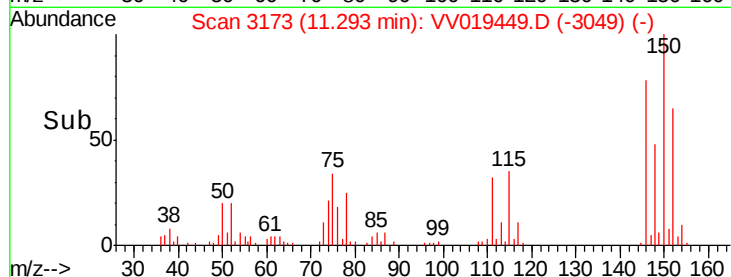
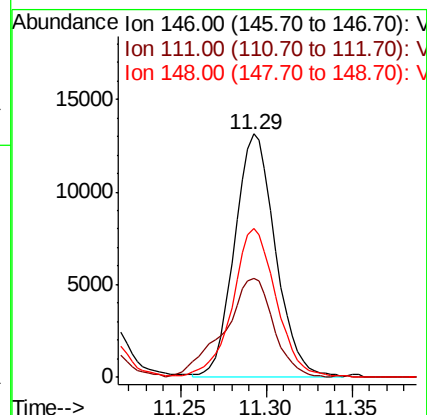
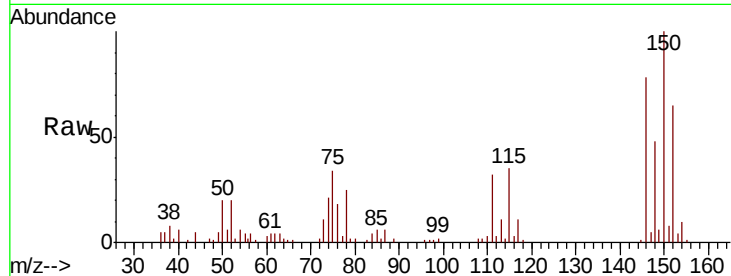




#63
 1,4-Dichlorobenzene
 Concen: 3.885 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV019449.D
 Acq: 02 Dec 2020 15:20

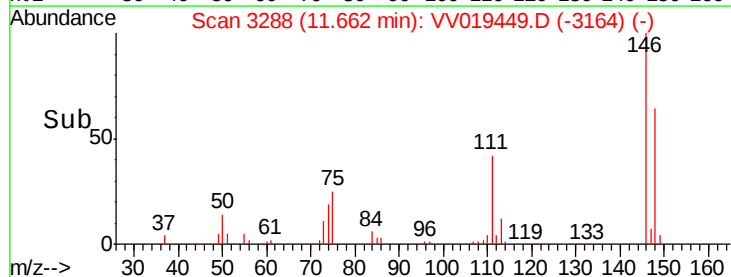
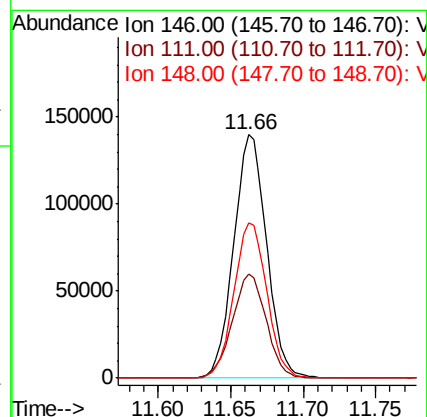
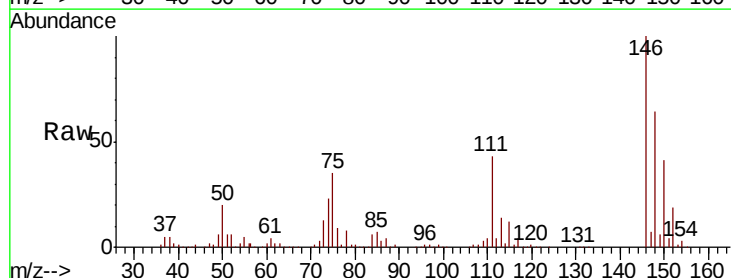
Instrument :
 MSVOA_V
 ClientSampleId :
 C0FW1

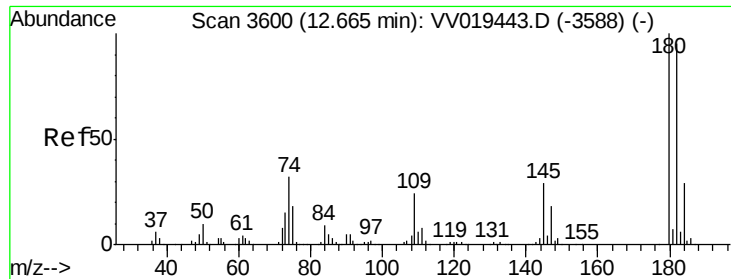
Tot Ion:146 Resp: 21814
 Ion Ratio Lower Upper
 146 100
 111 40.6 26.7 49.7
 148 61.3 45.2 84.0



#65
 1,2-Dichlorobenzene
 Concen: 40.088 ug/L
 RT: 11.66 min Scan# 3288
 Delta R.T. 0.00 min
 Lab File: VV019449.D
 Acq: 02 Dec 2020 15:20

Tgt Ion:146 Resp: 219854
 Ion Ratio Lower Upper
 146 100
 111 42.7 33.8 50.8
 148 64.0 49.8 74.8

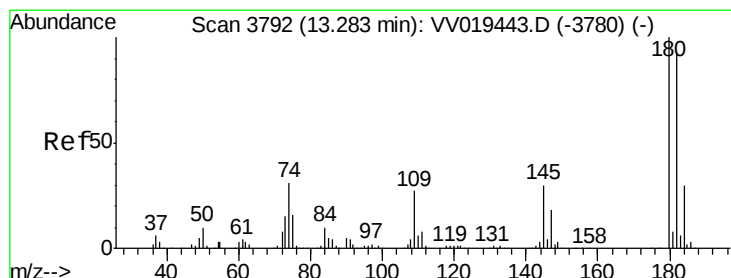
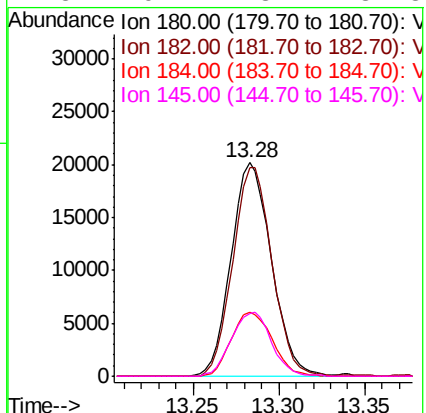
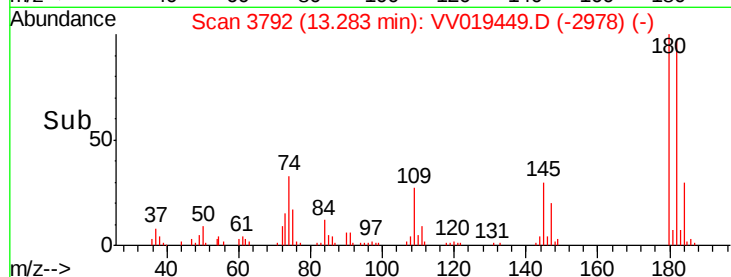
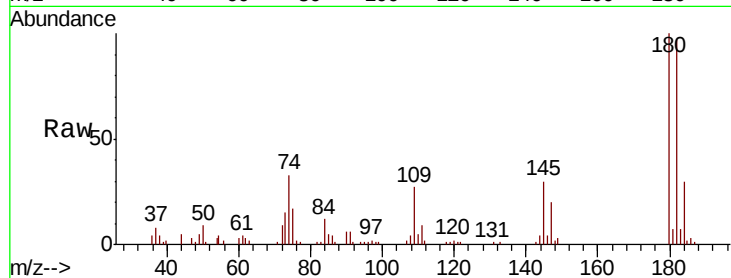




#67
 1,3,5-Trichlorobenzene
 Concen: 8.465 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.62 min
 Lab File: VV019449.D
 Acq: 02 Dec 2020 15:20

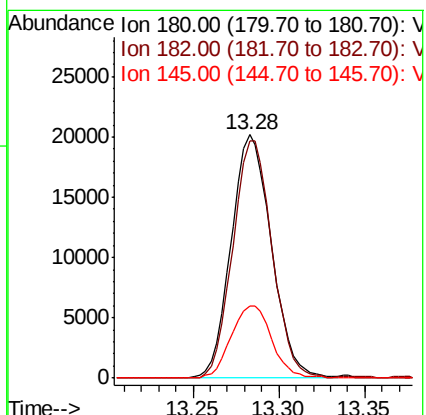
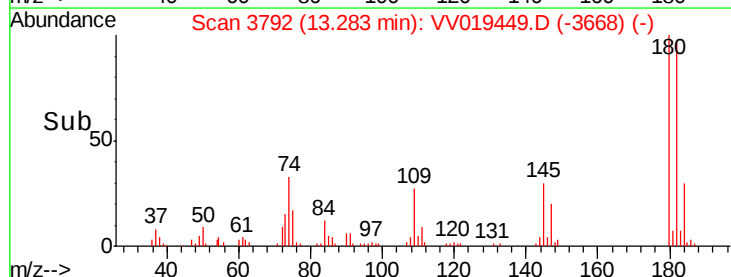
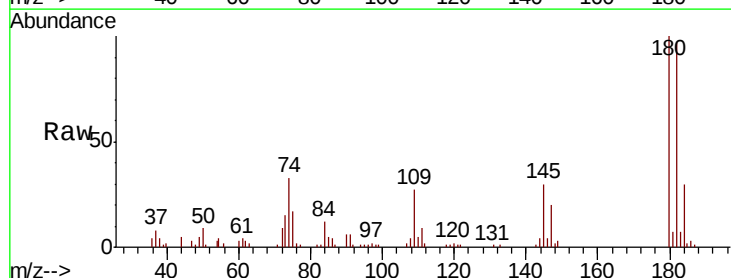
Instrument :
 MSVOA_V
 ClientSampleId :
 C0FW1

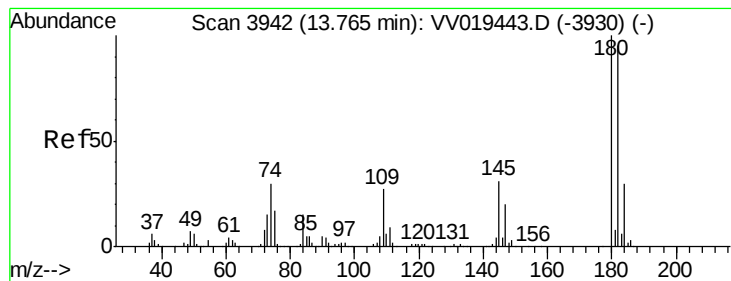
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	77.0	115.4
184	30.5	24.2	36.2
145	29.7	23.2	34.8



#68
 1,2,4-trichlorobenzene
 Concen: 9.561 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV019449.D
 Acq: 02 Dec 2020 15:20

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.3	114.5
145	29.7	23.4	35.2





#70

1,2,3-Trichlorobenzene

Concen: 6.957 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. 0.00 min

Lab File: VV019449.D

Acq: 02 Dec 2020 15:20

Instrument :

MSVOA_V

ClientSampleId :

C0FW1

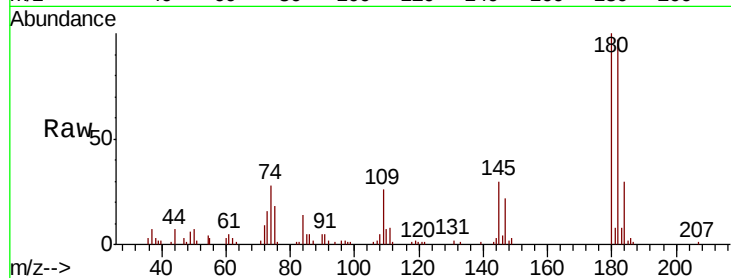
Tot Ion:180 Resp: 25035

Ion Ratio Lower Upper

180 100

182 96.2 76.6 115.0

145 29.7 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

