

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102120\
 Data File : VV019053.D
 Acq On : 21 Oct 2020 16:56
 Operator : SY/MD
 Sample : L4483-03
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0FH1

Quant Time: Oct 22 06:09:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM101420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 22 06:00:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	301297	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	327744	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	151234	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	135032	54.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	108.90%
7) Chloroethane-d5	1.58	69	109368	55.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	111.32%
11) 1,1-Dichloroethene-d2	2.12	63	190027	40.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.18%
21) 2-Butanone-d5	3.91	46	201840	116.76	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	116.76%
24) Chloroform-d	4.38	84	236188	53.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.00%
26) 1,2-Dichloroethane-d4	5.06	65	159871	54.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.10%
32) Benzene-d6	5.08	84	457344	47.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.60%
36) 1,2-Dichloropropane-d6	6.09	67	139637	45.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.30%
41) Toluene-d8	7.34	98	429009	49.98	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.96%
43) trans-1,3-Dichloropropene-	7.64	79	72782	48.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.34%
47) 2-Hexanone-d5	8.11	63	104605	92.05	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.05%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	164743	45.95	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.90%
64) 1,2-Dichlorobenzene-d4	11.65	152	160644	52.21	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.42%

Target Compounds

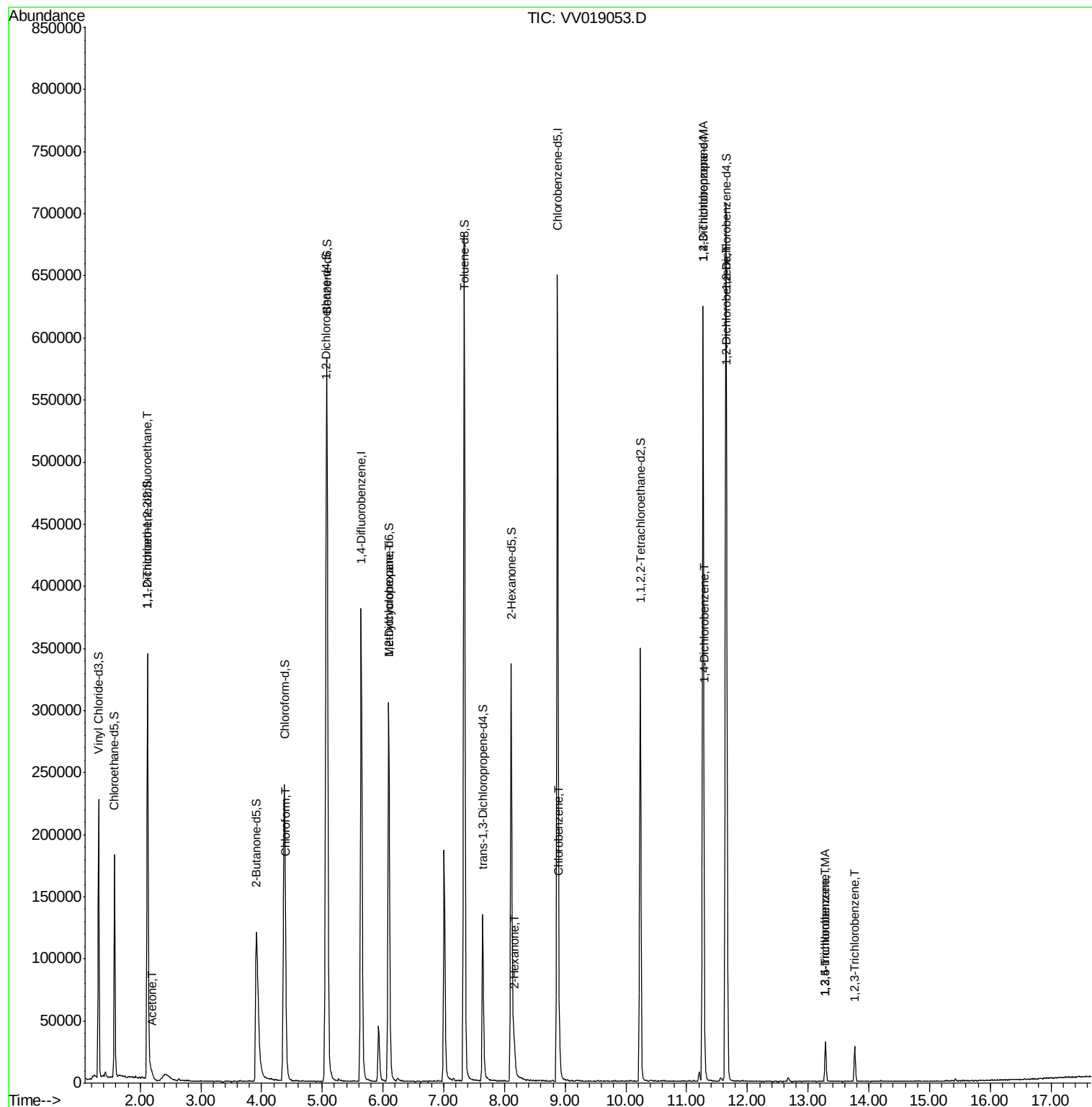
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1666	0.852	ug/L #	20
13) Acetone	2.20	43	6791	5.376	ug/L	86
25) Chloroform	4.40	83	9176	2.133	ug/L	92
35) Methylcyclohexane	6.09	83	33162	9.451	ug/L #	16
48) 2-Hexanone	8.16	43	17041	5.795	ug/L #	74
51) Chlorobenzene	8.90	112	12455	1.841	ug/L	97
59) 1,2,3-Trichloropropane	11.27	75	21981	6.752	ug/L	98
63) 1,4-Dichlorobenzene	11.29	146	7884	1.599	ug/L	95
65) 1,2-Dichlorobenzene	11.67	146	76667	16.208	ug/L	98
67) 1,3,5-Trichlorobenzene	13.29	180	10263	3.259	ug/L	98
68) 1,2,4-trichlorobenzene	13.29	180	10263	3.537	ug/L	97
70) 1,2,3-Trichlorobenzene	13.77	180	8776	3.025	ug/L	98

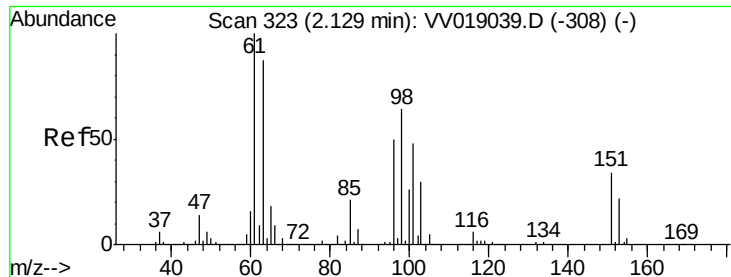
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM101420WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 22 06:00:52 2020
Response via : Initial Calibration





#10

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

Concen: 0.852 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV019053.D

Acq: 21 Oct 2020 16:56

Instrument :

MSVOA_V

ClientSampleId :

C0FH1

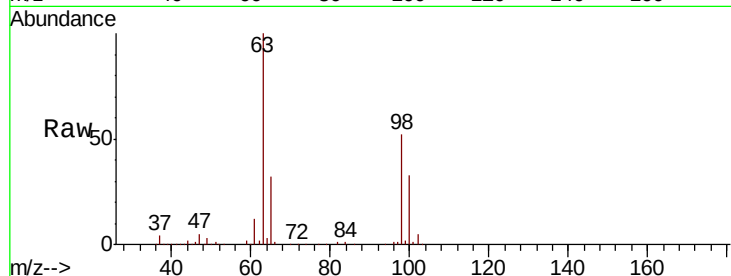
Tot Ion:101 Resp: 1666

Ion Ratio Lower Upper

101 100

85 0.0 35.0 52.4#

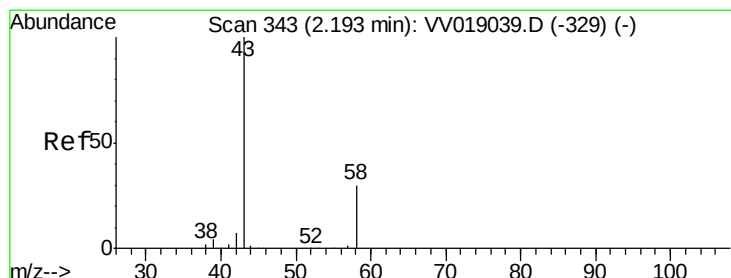
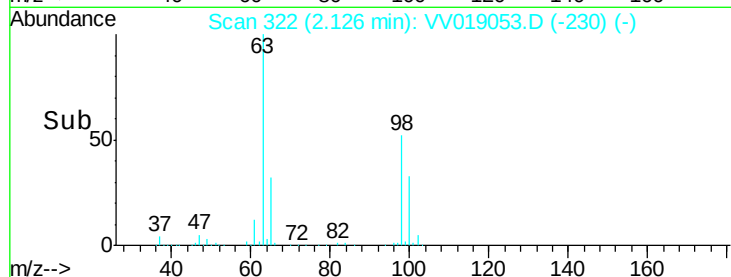
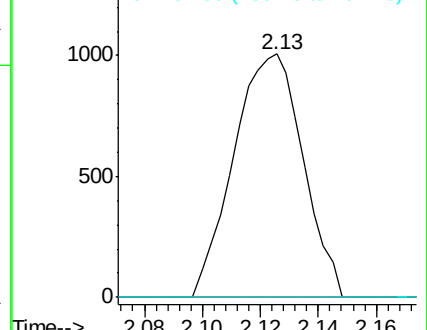
151 0.0 59.7 89.5#



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: 5.376 ug/L

RT: 2.20 min Scan# 345

Delta R.T. 0.01 min

Lab File: VV019053.D

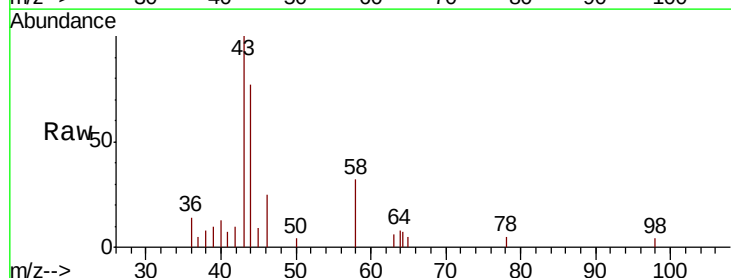
Acq: 21 Oct 2020 16:56

Tgt Ion: 43 Resp: 6791

Ion Ratio Lower Upper

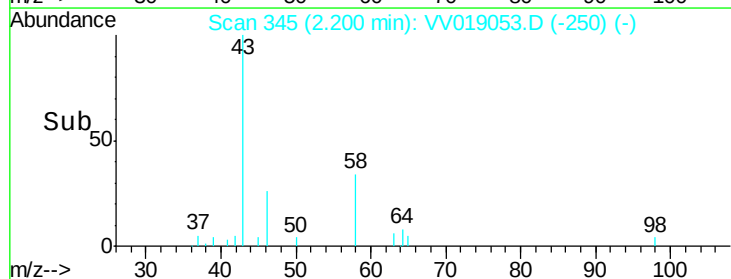
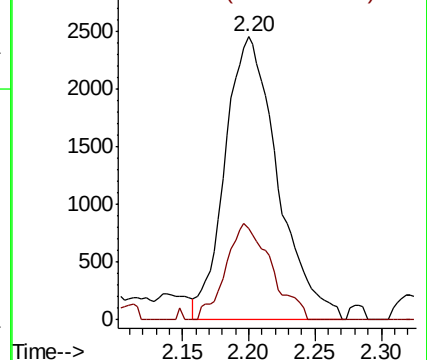
43 100

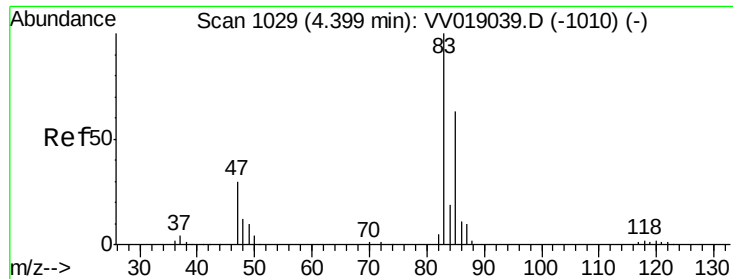
58 22.1 0.0 58.8



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

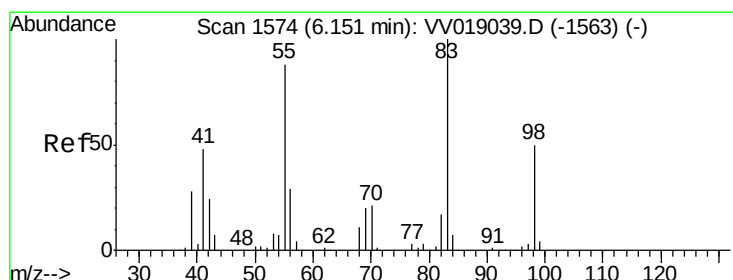
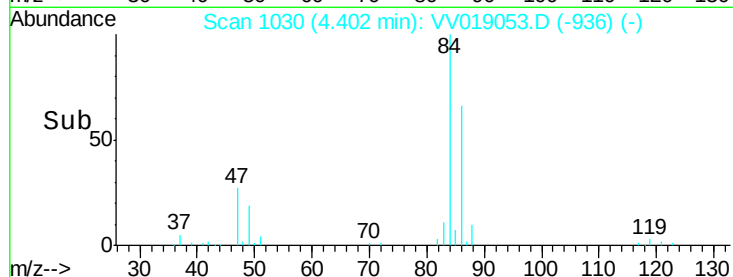
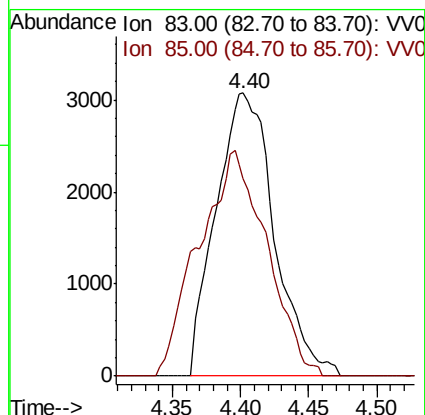
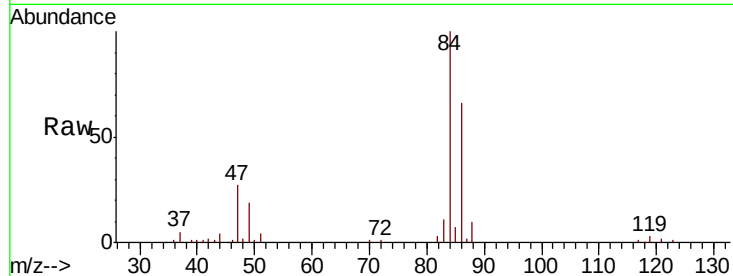




#25
Chloroform
Concen: 2.133 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV019053.D
Acq: 21 Oct 2020 16:56

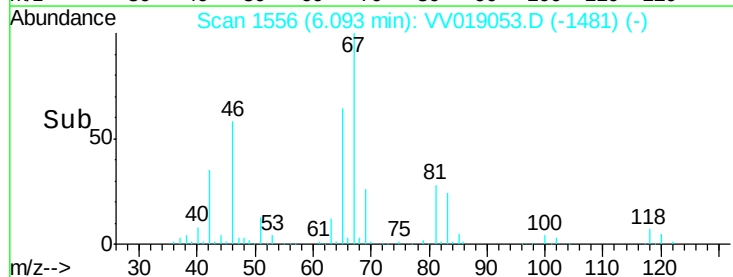
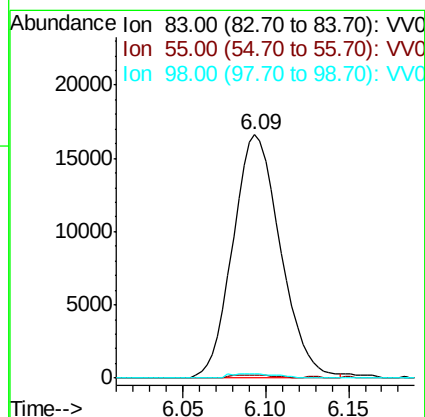
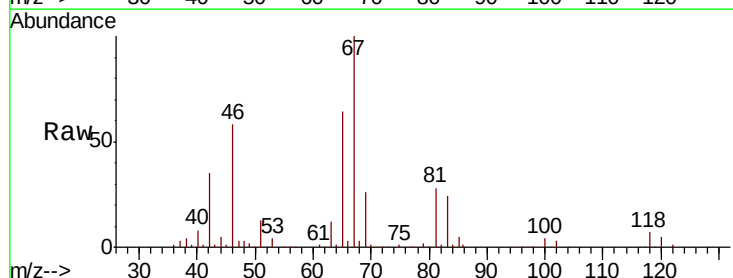
Instrument :
MSVOA_V
ClientSampleId :
C0FH1

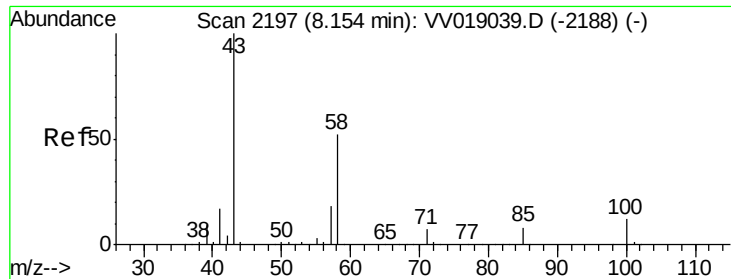
Tot Ion: 83 Resp: 9176
Ion Ratio Lower Upper
83 100
85 70.0 44.6 82.8



#35
Methylcyclohexane
Concen: 9.451 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV019053.D
Acq: 21 Oct 2020 16:56

Tgt Ion: 83 Resp: 33162
Ion Ratio Lower Upper
83 100
55 0.1 67.3 100.9#
98 0.5 37.9 56.9#

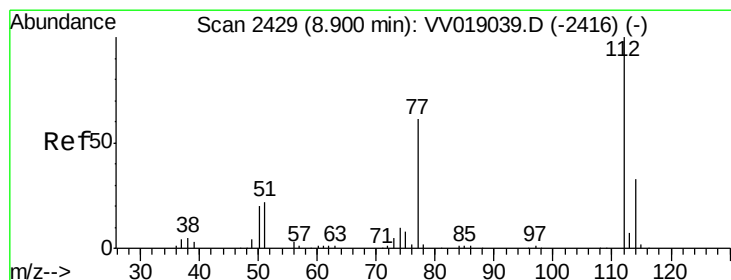
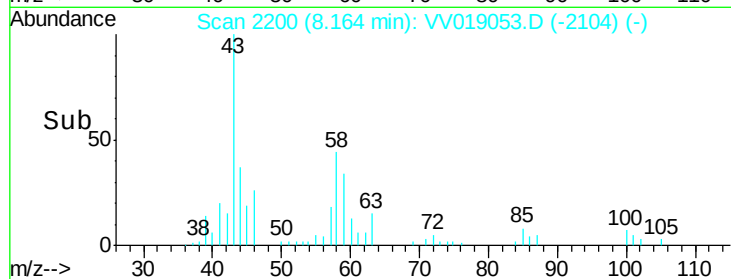
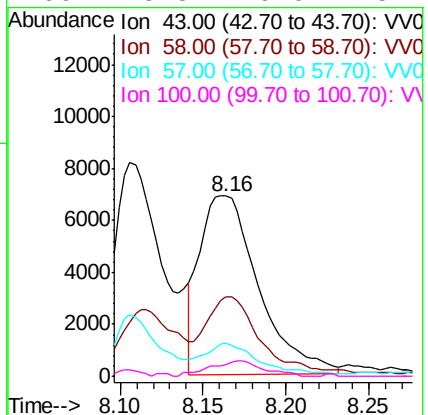
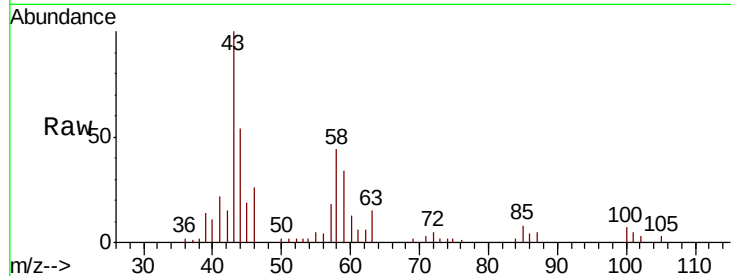




#48
2-Hexanone
Concen: 5.795 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.01 min
Lab File: VV019053.D
Acq: 21 Oct 2020 16:56

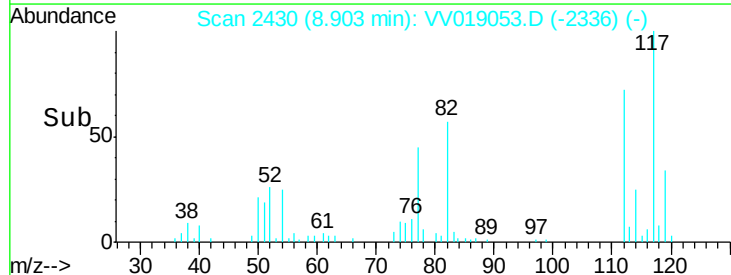
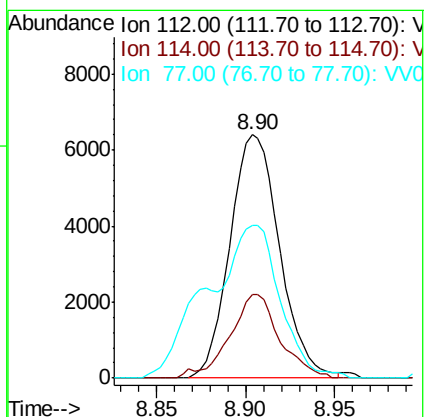
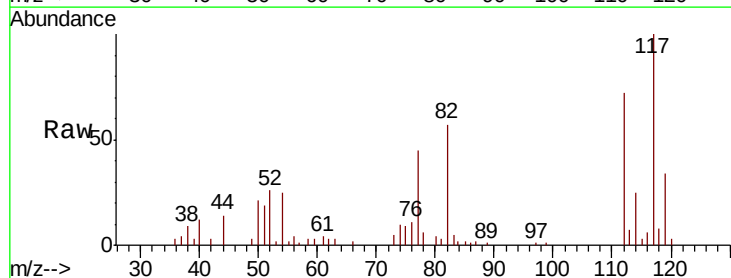
Instrument :
MSVOA_V
ClientSampleId :
C0FH1

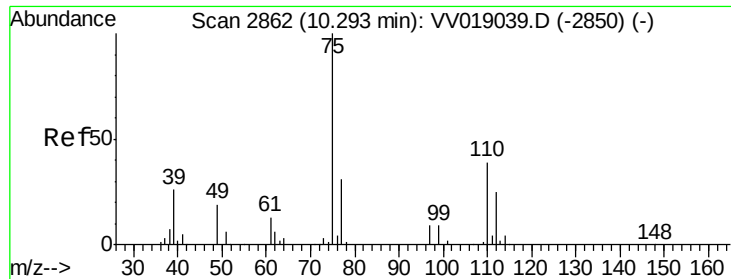
Tot Ion: 43 Resp: 17041
Ion Ratio Lower Upper
43 100
58 30.6 42.5 63.7#
57 12.1 14.5 21.7#
100 5.3 9.0 13.4#



#51
Chlorobenzene
Concen: 1.841 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV019053.D
Acq: 21 Oct 2020 16:56

Tgt Ion: 112 Resp: 12455
Ion Ratio Lower Upper
112 100
114 34.4 21.8 40.6
77 62.5 49.2 73.8

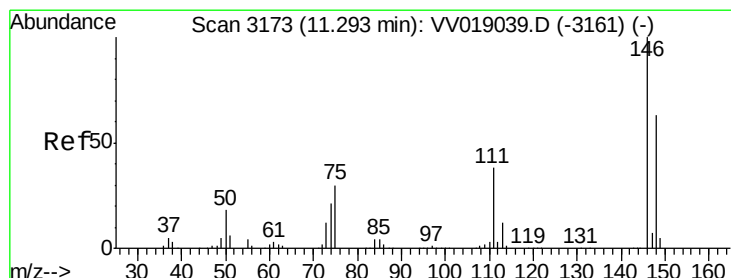
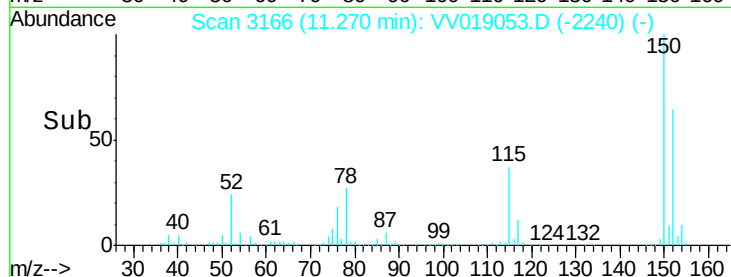
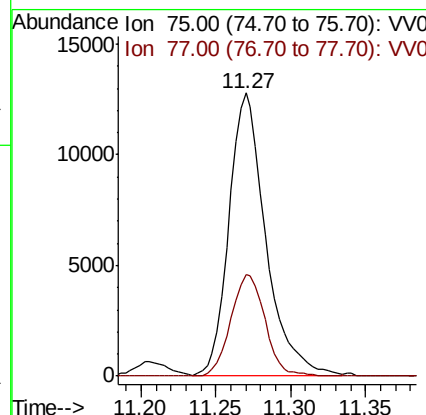
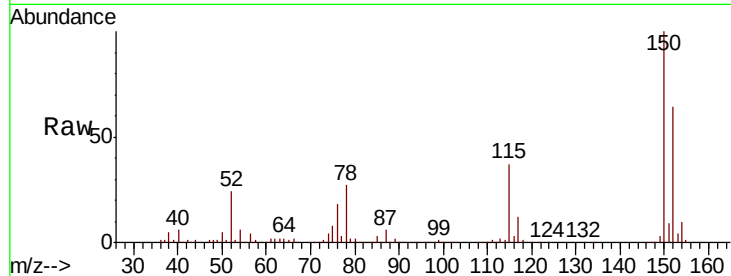




#59
 1,2,3-Trichloropropane
 Concen: 6.752 ug/L
 RT: 11.27 min Scan# 3166
 Delta R.T. 0.98 min
 Lab File: VV019053.D
 Acq: 21 Oct 2020 16:56

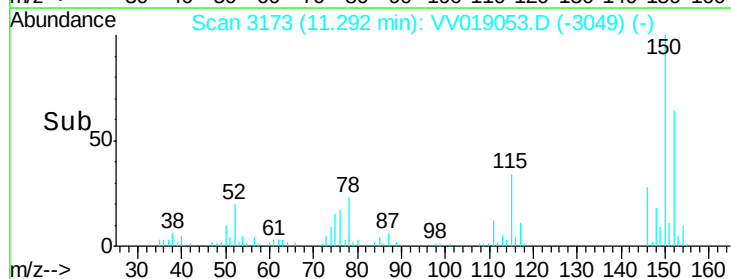
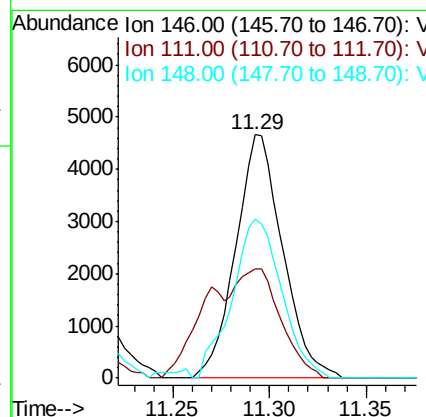
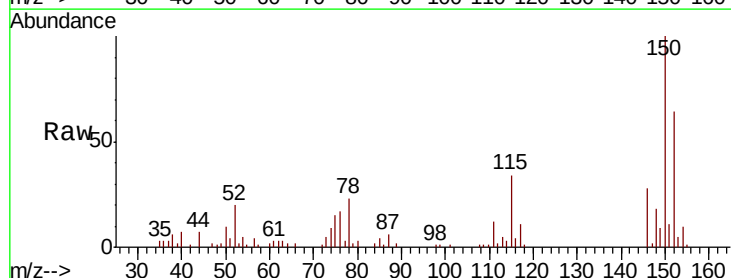
Instrument :
 MSVOA_V
 ClientSampled :
 C0FH1

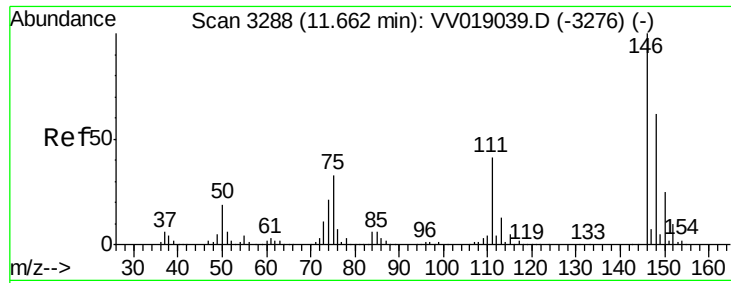
Tot Ion: 75 Resp: 21981
 Ion Ratio Lower Upper
 75 100
 77 33.1 25.4 38.2



#63
 1,4-Dichlorobenzene
 Concen: 1.599 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. -0.00 min
 Lab File: VV019053.D
 Acq: 21 Oct 2020 16:56

Tgt Ion: 146 Resp: 7884
 Ion Ratio Lower Upper
 146 100
 111 45.0 27.5 51.1
 148 65.2 44.1 81.9





#65

1,2-Dichlorobenzene

Concen: 16.208 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV019053.D

Acq: 21 Oct 2020 16:56

Instrument :

MSVOA_V

ClientSampleId :

C0FH1

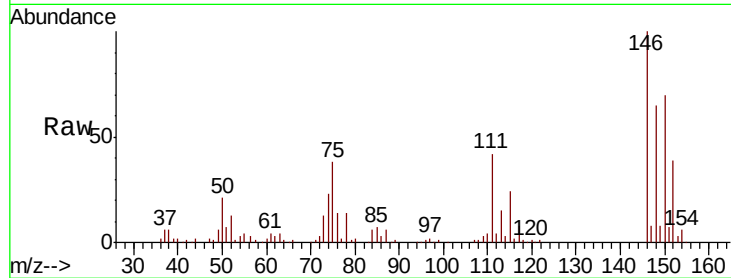
Tot Ion:146 Resp: 76667

Ion Ratio Lower Upper

146 100

111 42.3 33.9 50.9

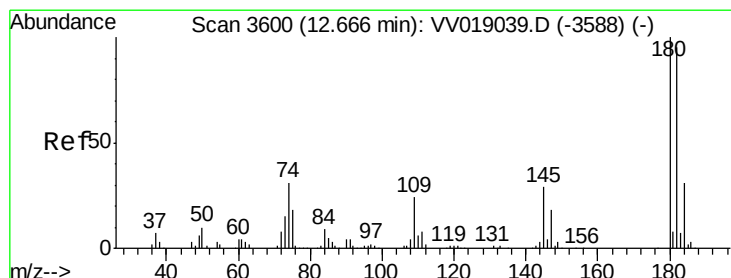
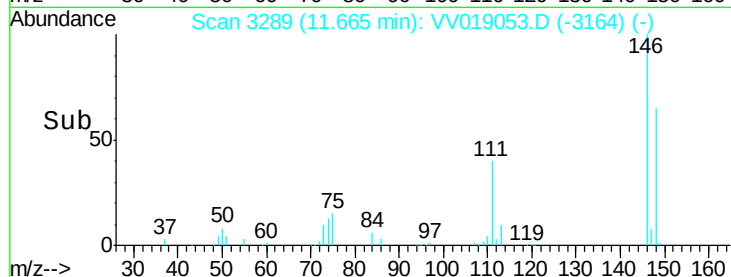
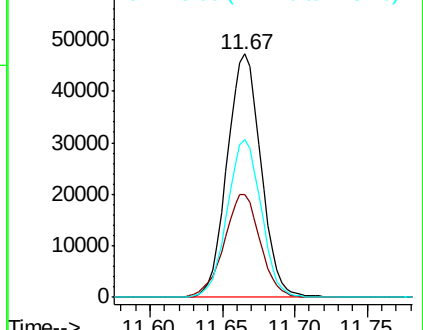
148 64.7 49.8 74.8



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: 3.259 ug/L

RT: 13.29 min Scan# 3793

Delta R.T. 0.62 min

Lab File: VV019053.D

Acq: 21 Oct 2020 16:56

Tgt Ion:180 Resp: 10263

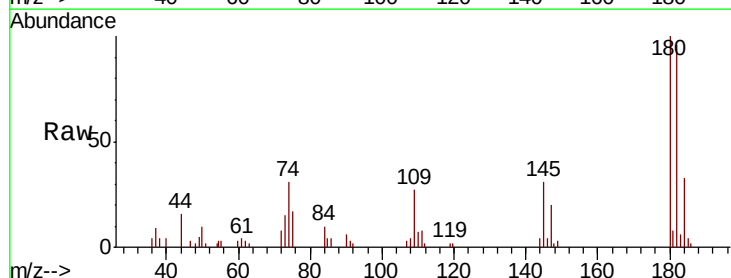
Ion Ratio Lower Upper

180 100

182 93.0 75.8 113.8

184 31.9 24.9 37.3

145 27.9 23.2 34.8

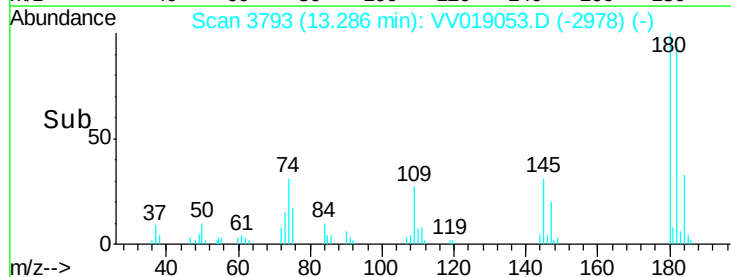
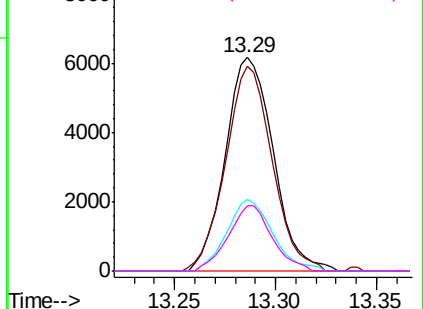


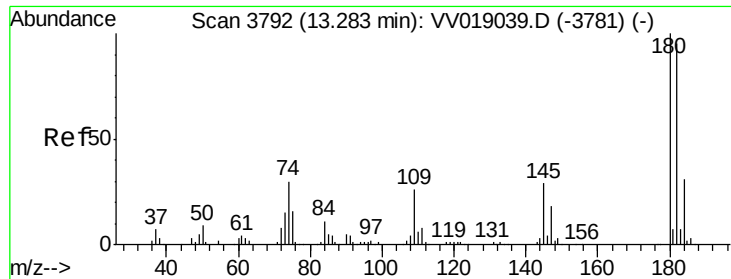
Abundance Ion 180.00 (179.70 to 180.70): V

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

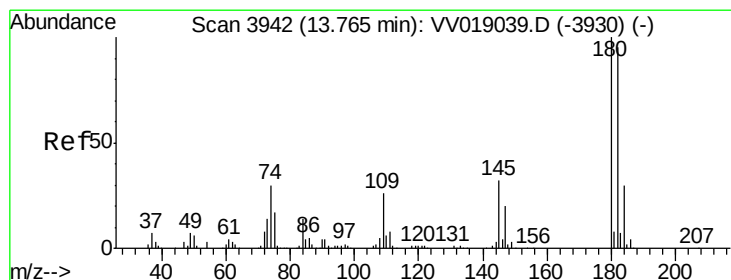
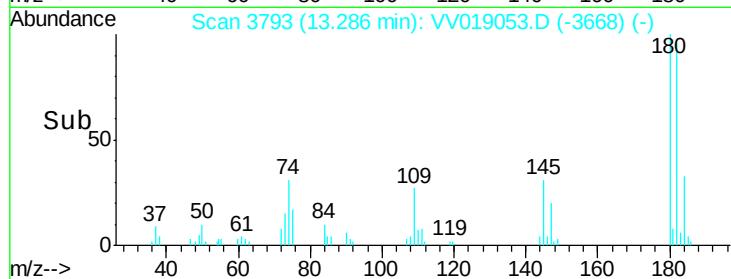
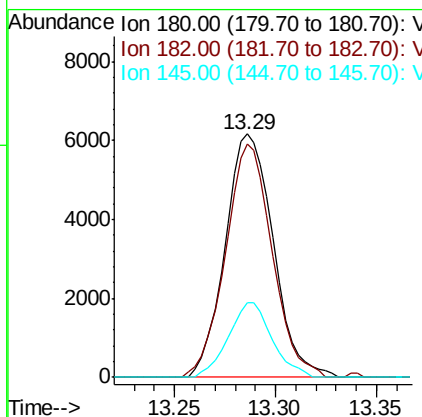
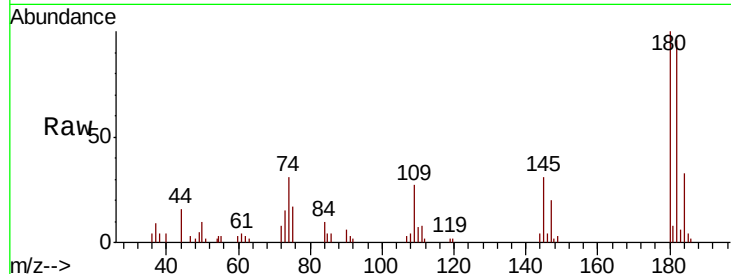




#68
 1,2,4-trichlorobenzene
 Concen: 3.537 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV019053.D
 Acq: 21 Oct 2020 16:56

Instrument :
 MSVOA_V
 ClientSampleId :
 C0FH1

Tot Ion:180 Resp: 10263
 Ion Ratio Lower Upper
 180 100
 182 93.0 76.5 114.7
 145 27.9 23.7 35.5



#70
 1,2,3-Trichlorobenzene
 Concen: 3.025 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV019053.D
 Acq: 21 Oct 2020 16:56

Tgt Ion:180 Resp: 8776
 Ion Ratio Lower Upper
 180 100
 182 94.5 76.8 115.2
 145 30.9 25.4 38.0

