

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031620\
 Data File : VV014960.D
 Acq On : 16 Mar 2020 20:56
 Operator : SY/MD
 Sample : L1940-15
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DB0

Quant Time: Mar 18 03:22:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 18 03:17:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	360947	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	348573	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	167188	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	99886	41.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.08%
7) Chloroethane-d5	1.58	69	79083	44.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.56%
11) 1,1-Dichloroethene-d2	2.12	63	126093	34.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.36%
21) 2-Butanone-d5	3.93	46	102491	69.90	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	69.90%
24) Chloroform-d	4.38	84	223079	44.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.06%
26) 1,2-Dichloroethane-d4	5.06	65	146037	46.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.02%
32) Benzene-d6	5.08	84	453602	47.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.48%
36) 1,2-Dichloropropane-d6	6.10	67	136289	47.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.32%
41) Toluene-d8	7.34	98	440656	46.40	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.80%
43) trans-1,3-Dichloropropene-	7.64	79	63844	42.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.00%
47) 2-Hexanone-d5	8.12	63	120326	93.22	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.22%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	192506	45.98	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.96%
64) 1,2-Dichlorobenzene-d4	11.65	152	180440	49.27	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.54%

Target Compounds

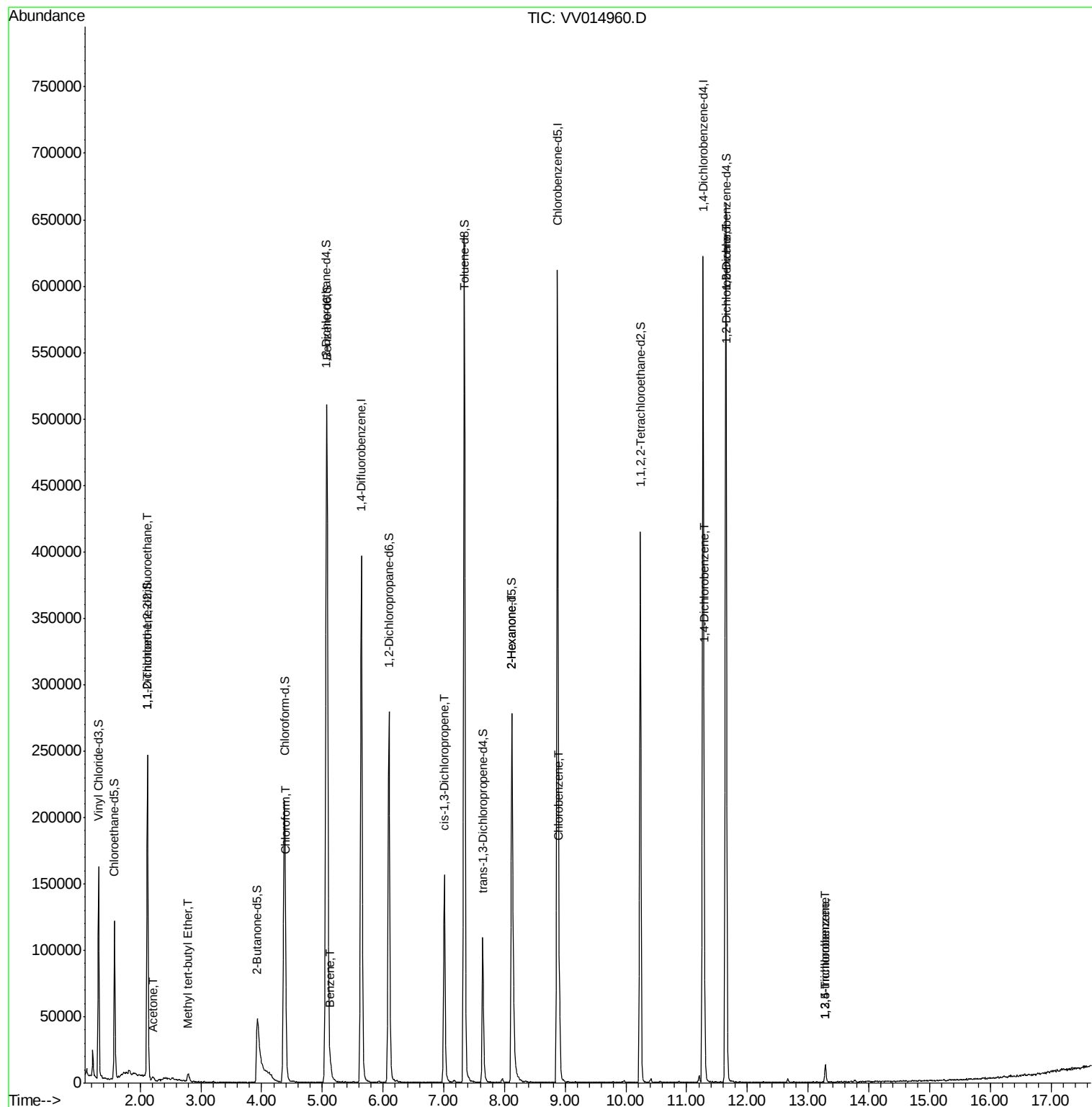
					Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1297	0.698 ug/L #	17
13) Acetone	2.21	43	1381	0.953 ug/L	67
18) Methyl tert-butyl Ether	2.79	73	6221	0.818 ug/L	98
25) Chloroform	4.40	83	4712	0.997 ug/L	85
33) Benzene	5.13	78	11600	1.223 ug/L	100
39) cis-1,3-Dichloropropene	7.01	75	3811	0.975 ug/L #	63
48) 2-Hexanone	8.12	43	17415	6.858 ug/L #	71
51) Chlorobenzene	8.90	112	35950	4.891 ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	32646	5.882 ug/L	97
65) 1,2-Dichlorobenzene	11.66	146	14569	2.647 ug/L	99
67) 1,3,5-Trichlorobenzene	13.29	180	4701	1.088 ug/L	93
68) 1,2,4-trichlorobenzene	13.29	180	4701	1.221 ug/L	94

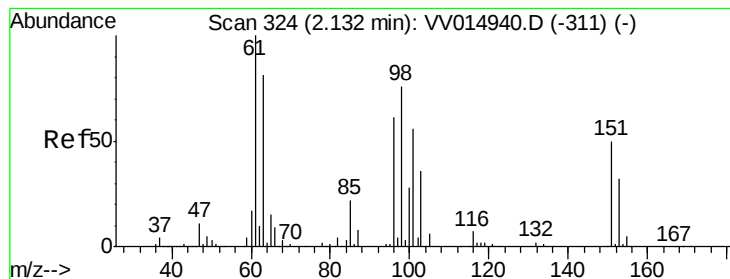
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.698 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV014960.D

Acq: 16 Mar 2020 20:56

Instrument :

MSVOA_V

ClientSampleId :

C0DB0

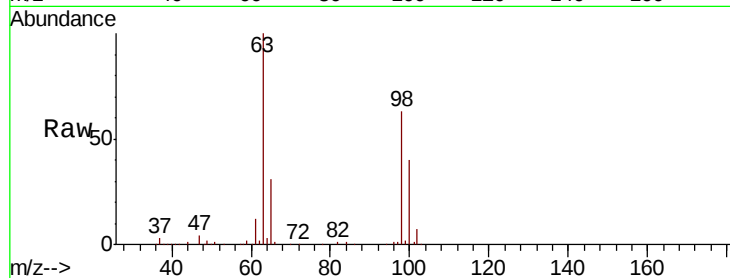
Tot Ion:101 Resp: 1297

Ion Ratio Lower Upper

101 100

85 0.0 33.9 50.9#

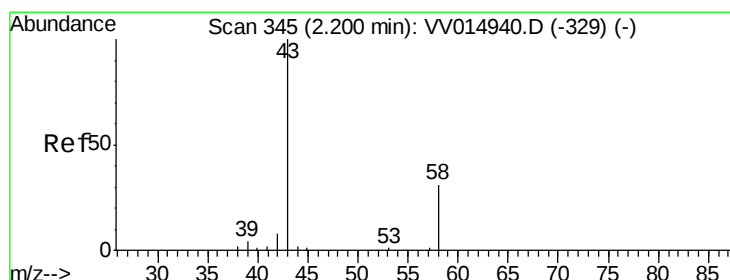
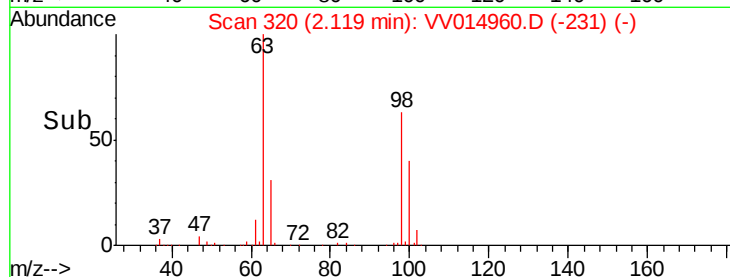
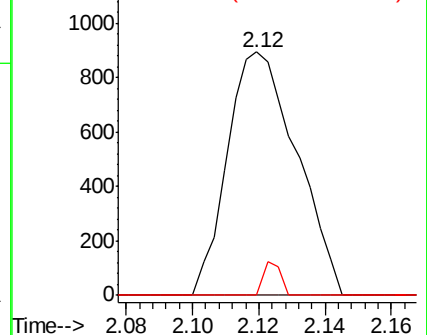
151 3.5 70.1 105.1#



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: 0.953 ug/L

RT: 2.21 min Scan# 348

Delta R.T. 0.01 min

Lab File: VV014960.D

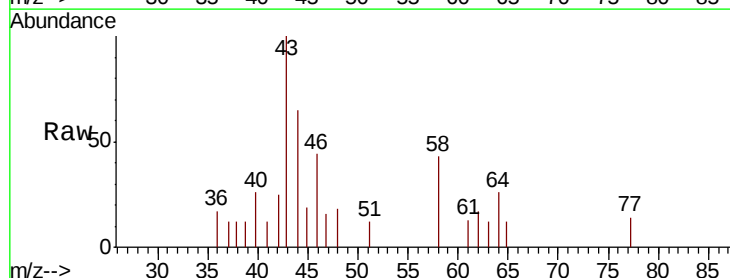
Acq: 16 Mar 2020 20:56

Tgt Ion: 43 Resp: 1381

Ion Ratio Lower Upper

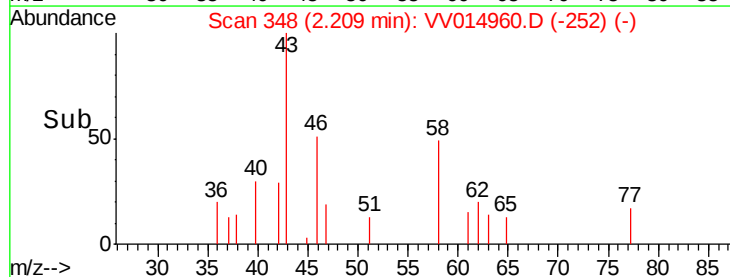
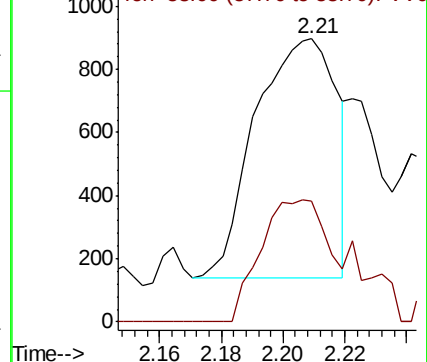
43 100

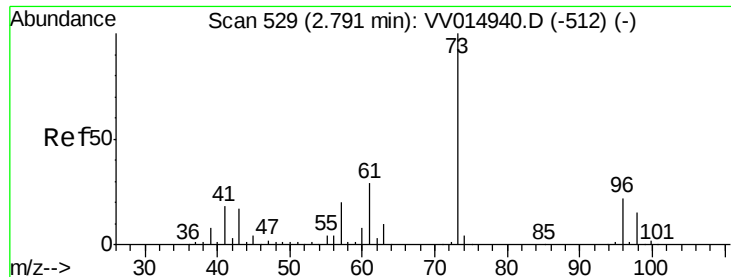
58 42.8 0.0 51.6



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

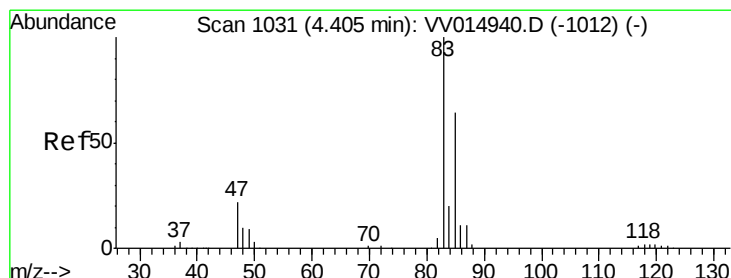
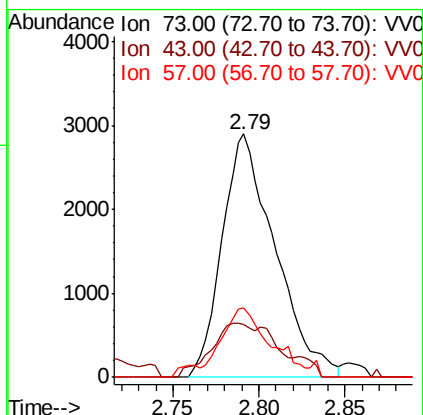
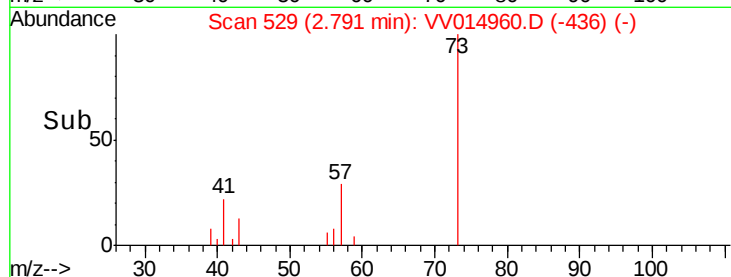
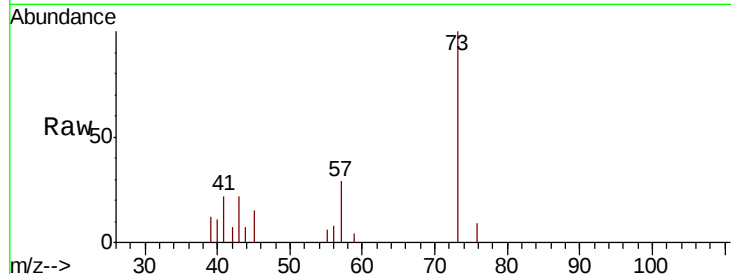




#18
Methvl tert-butvl Ether
Concen: 0.818 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV014960.D
Acq: 16 Mar 2020 20:56

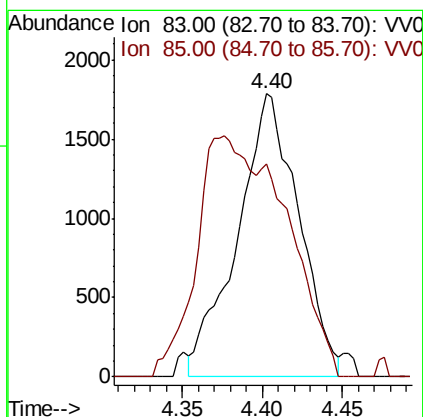
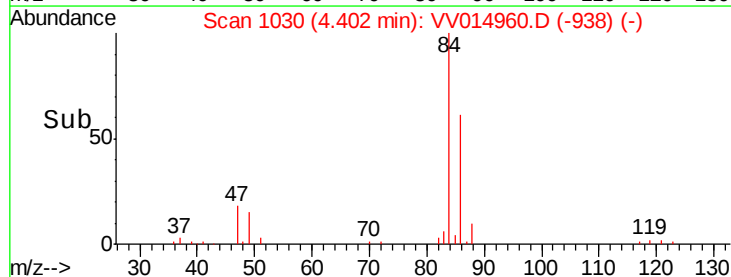
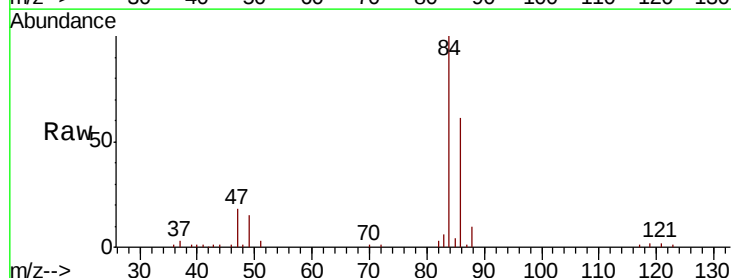
Instrument :
MSVOA_V
ClientSampleId :
C0DB0

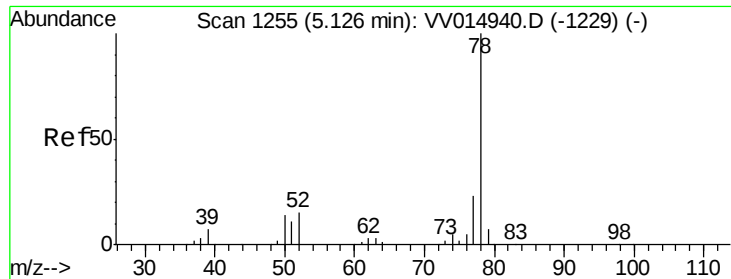
Tot Ion: 73 Resp: 6221
Ion Ratio Lower Upper
73 100
43 17.8 14.4 21.6
57 18.6 16.0 24.0



#25
Chloroform
Concen: 0.997 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV014960.D
Acq: 16 Mar 2020 20:56

Tgt Ion: 83 Resp: 4712
Ion Ratio Lower Upper
83 100
85 75.2 44.6 82.8





#33

Benzene

Concen: 1.223 ug/L

RT: 5.13 min Scan# 1257

Delta R.T. 0.01 min

Lab File: VV014960.D

Acq: 16 Mar 2020 20:56

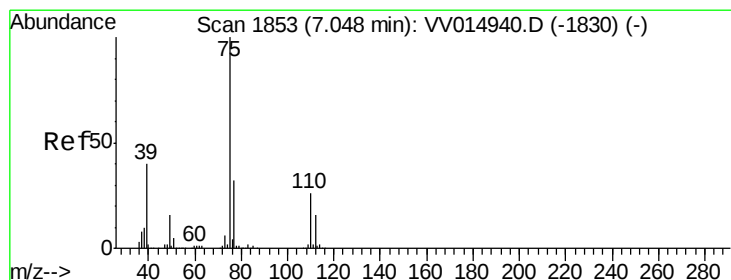
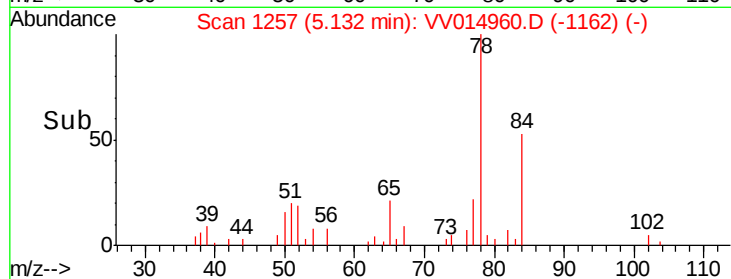
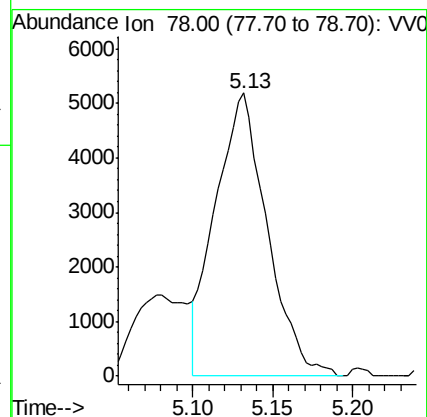
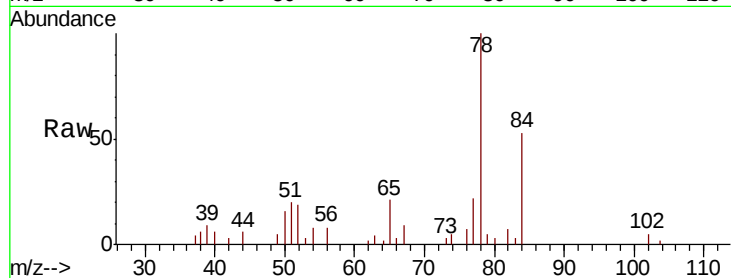
Instrument :

MSVOA_V

ClientSampleId :

C0DB0

Tgt Ion: 78 Resp: 11600



#39

cis-1,3-Dichloropropene

Concen: 0.975 ug/L

RT: 7.01 min Scan# 1840

Delta R.T. -0.04 min

Lab File: VV014960.D

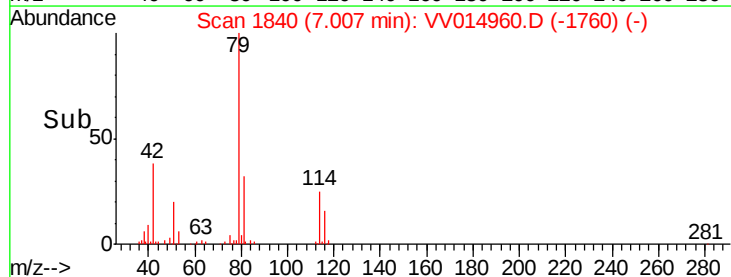
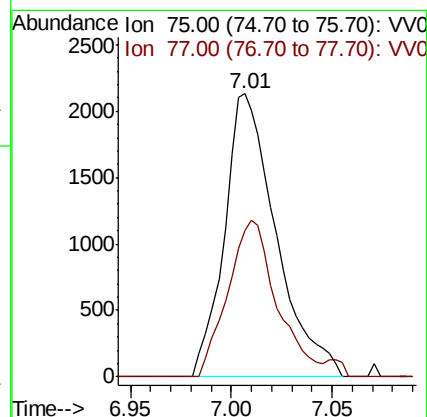
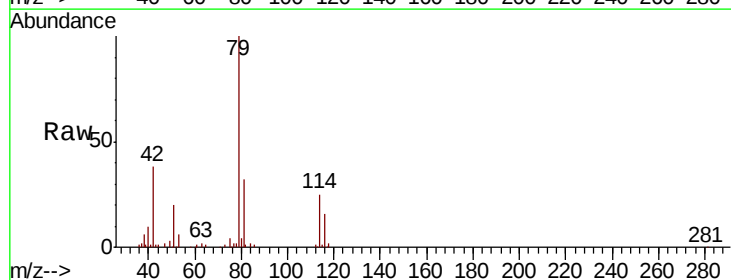
Acq: 16 Mar 2020 20:56

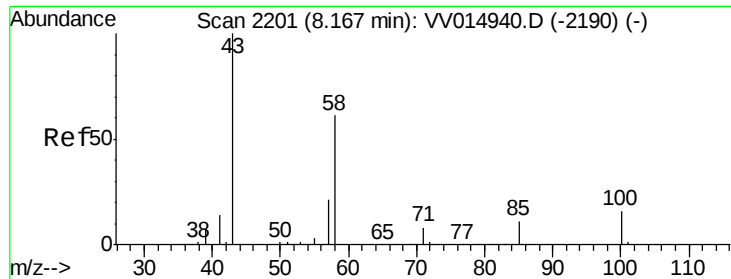
Tgt Ion: 75 Resp: 3811

Ion Ratio Lower Upper

75 100

77 51.8 21.8 40.6#

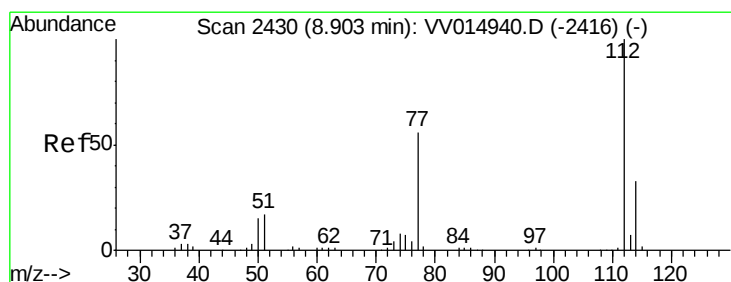
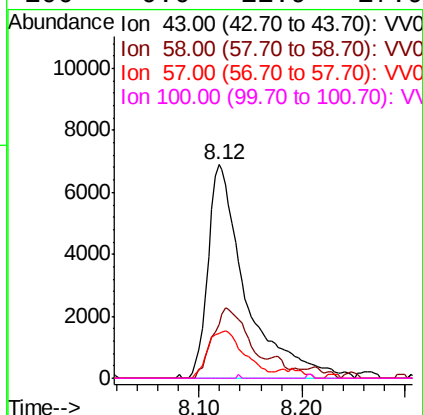
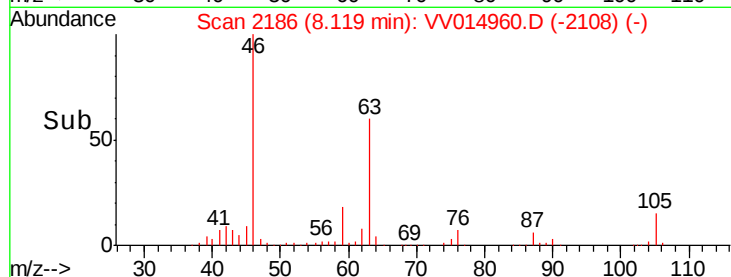
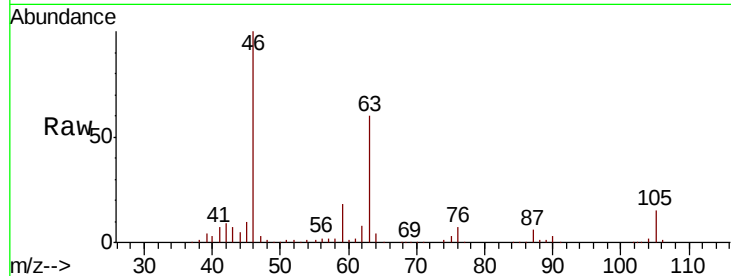




#48
2-Hexanone
Concen: 6.858 ug/L
RT: 8.12 min Scan# 2186
Delta R.T. -0.05 min
Lab File: VV014960.D
Acq: 16 Mar 2020 20:56

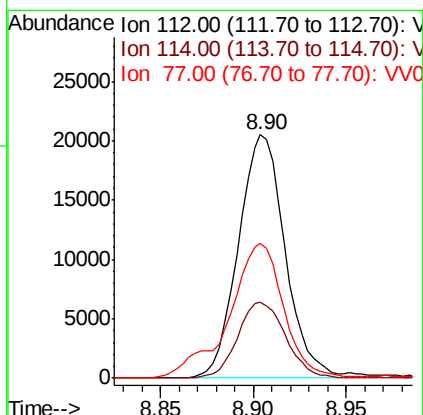
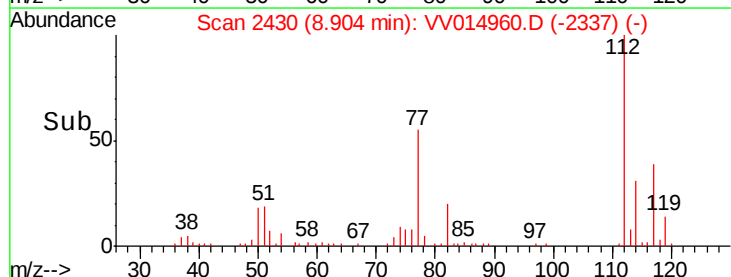
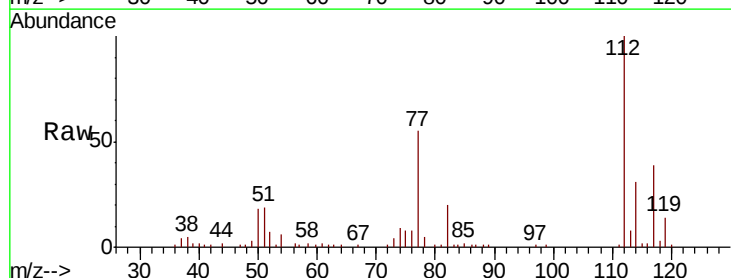
Instrument :
MSVOA_V
ClientSampleId :
C0DB0

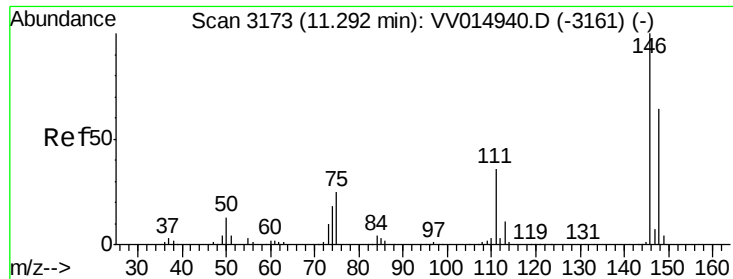
Tot Ion: 43 Resp: 17415
Ion Ratio Lower Upper
43 100
58 31.7 46.9 70.3#
57 21.7 16.2 24.4
100 0.0 11.9 17.9#



#51
Chlorobenzene
Concen: 4.891 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV014960.D
Acq: 16 Mar 2020 20:56

Tgt Ion: 112 Resp: 35950
Ion Ratio Lower Upper
112 100
114 31.2 22.8 42.4
77 55.4 44.5 66.7

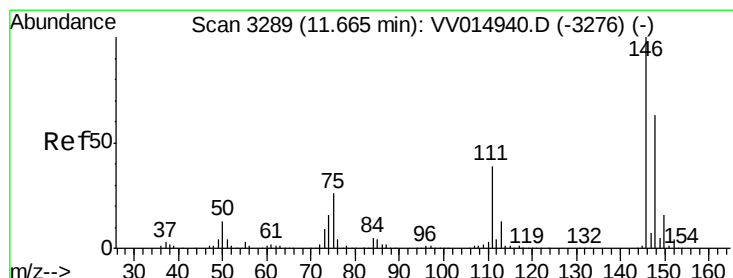
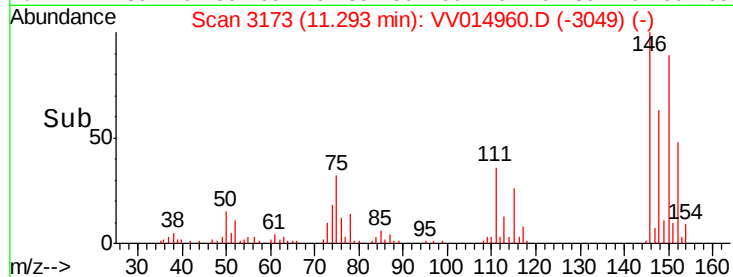
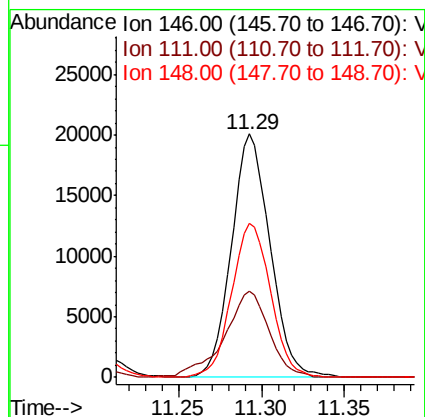
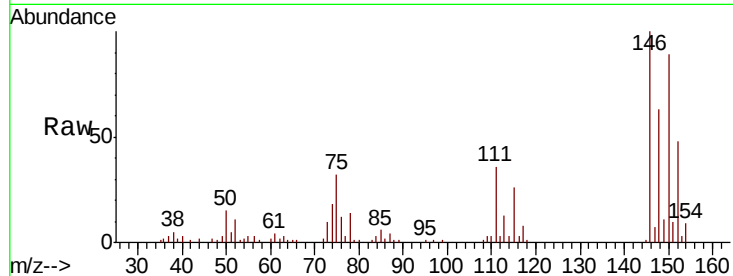




#63
 1,4-Dichlorobenzene
 Concen: 5.882 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV014960.D
 Acq: 16 Mar 2020 20:56

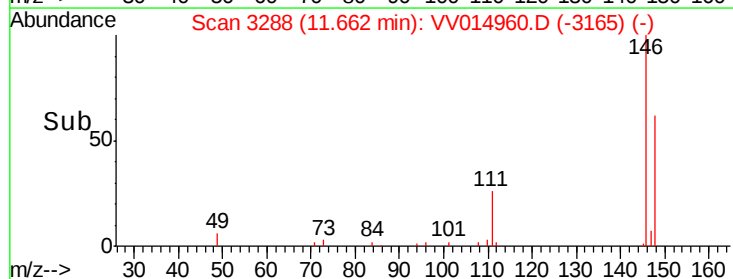
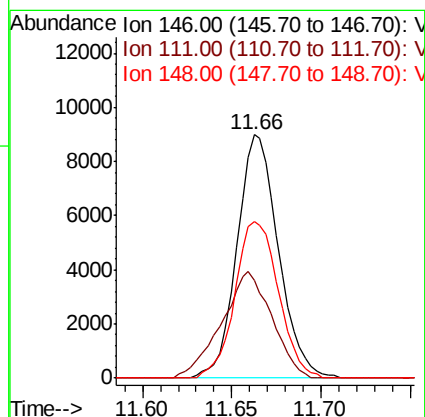
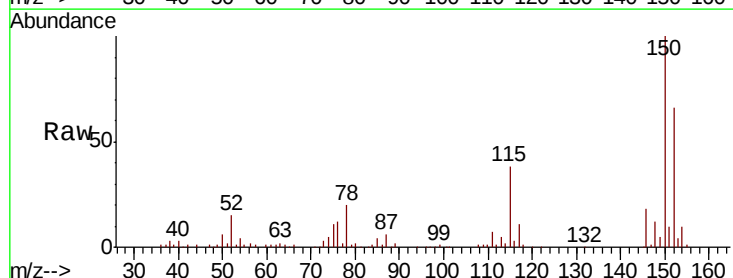
Instrument :
 MSVOA_V
 ClientSampled :
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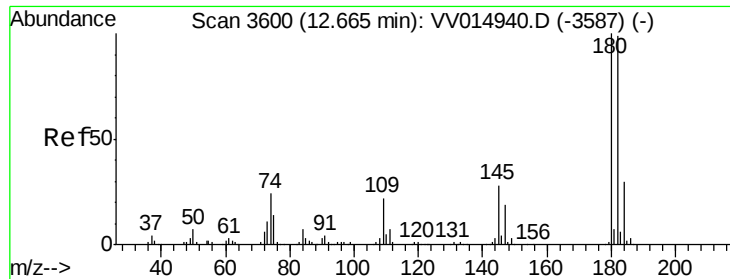
Tot Ion:146 Resp: 32646
 Ion Ratio Lower Upper
 146 100
 111 35.5 26.0 48.2
 148 63.4 46.1 85.5



#65
 1,2-Dichlorobenzene
 Concen: 2.647 ug/L
 RT: 11.66 min Scan# 3288
 Delta R.T. -0.00 min
 Lab File: VV014960.D
 Acq: 16 Mar 2020 20:56

Tgt Ion:146 Resp: 14569
 Ion Ratio Lower Upper
 146 100
 111 39.9 31.6 47.4
 148 64.2 52.2 78.4

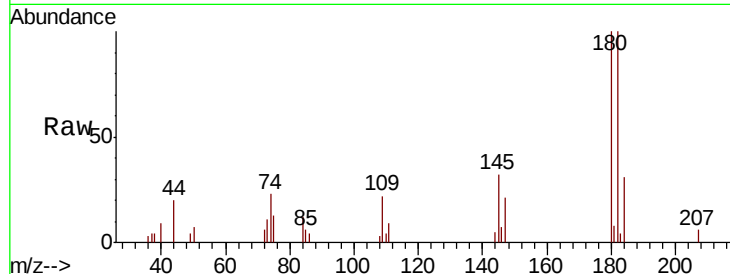




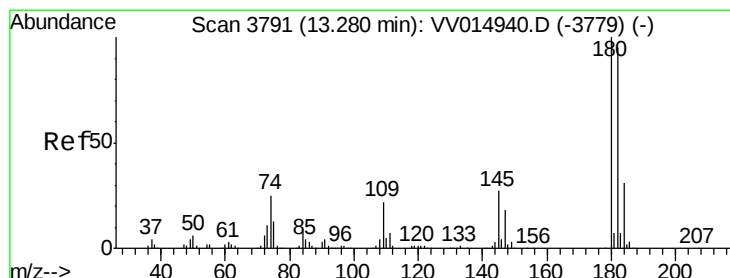
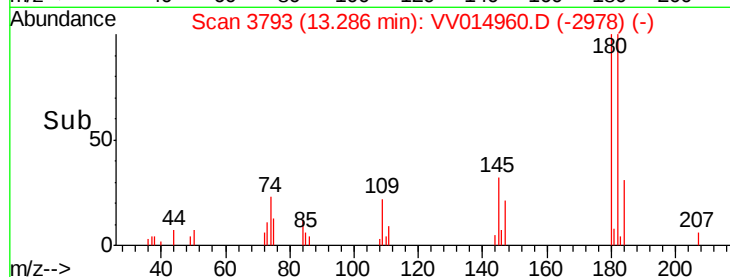
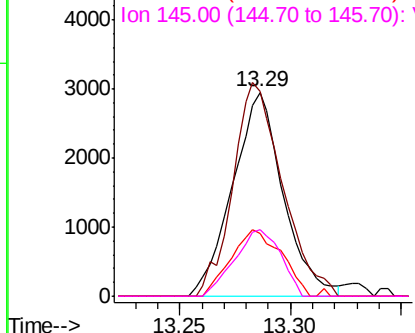
#67
 1,3,5-Trichlorobenzene
 Concen: 1.088 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.62 min
 Lab File: VV014960.D
 Acq: 16 Mar 2020 20:56

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DB0

Tot Ion:180 Resp: 4701
 Ion Ratio Lower Upper
 180 100
 182 102.5 75.7 113.5
 184 32.4 24.2 36.4
 145 29.7 22.0 33.0

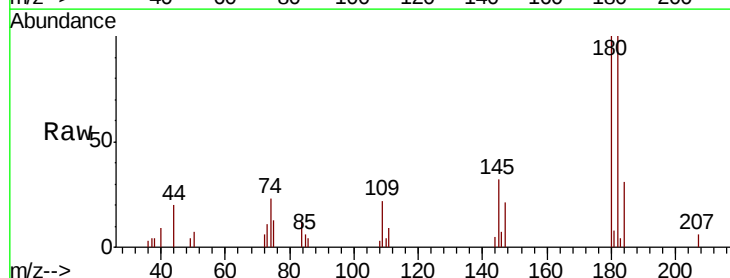


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 1.221 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.01 min
 Lab File: VV014960.D
 Acq: 16 Mar 2020 20:56

Tgt Ion:180 Resp: 4701
 Ion Ratio Lower Upper
 180 100
 182 102.5 76.3 114.5
 145 29.7 23.1 34.7



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

