

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031620\
 Data File : VV014956.D
 Acq On : 16 Mar 2020 19:20
 Operator : SY/MD
 Sample : L1940-10
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0D98

Quant Time: Mar 18 03:21:46 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	346356	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	339569	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	164253	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	105883	45.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.78%
7) Chloroethane-d5	1.58	69	80099	46.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.48%
11) 1,1-Dichloroethene-d2	2.12	63	126960	35.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.72%
21) 2-Butanone-d5	3.93	46	118441	84.18	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	84.18%
24) Chloroform-d	4.38	84	219357	45.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.26%
26) 1,2-Dichloroethane-d4	5.06	65	146658	48.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.30%
32) Benzene-d6	5.08	84	453846	48.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.02%
36) 1,2-Dichloropropane-d6	6.10	67	134506	48.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.58%
41) Toluene-d8	7.34	98	433012	46.80	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.60%
43) trans-1,3-Dichloropropene-	7.64	79	66151	44.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.34%
47) 2-Hexanone-d5	8.12	63	125222	99.59	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.59%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	192462	47.19	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.38%
64) 1,2-Dichlorobenzene-d4	11.65	152	179857	49.99	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.98%

Target Compounds

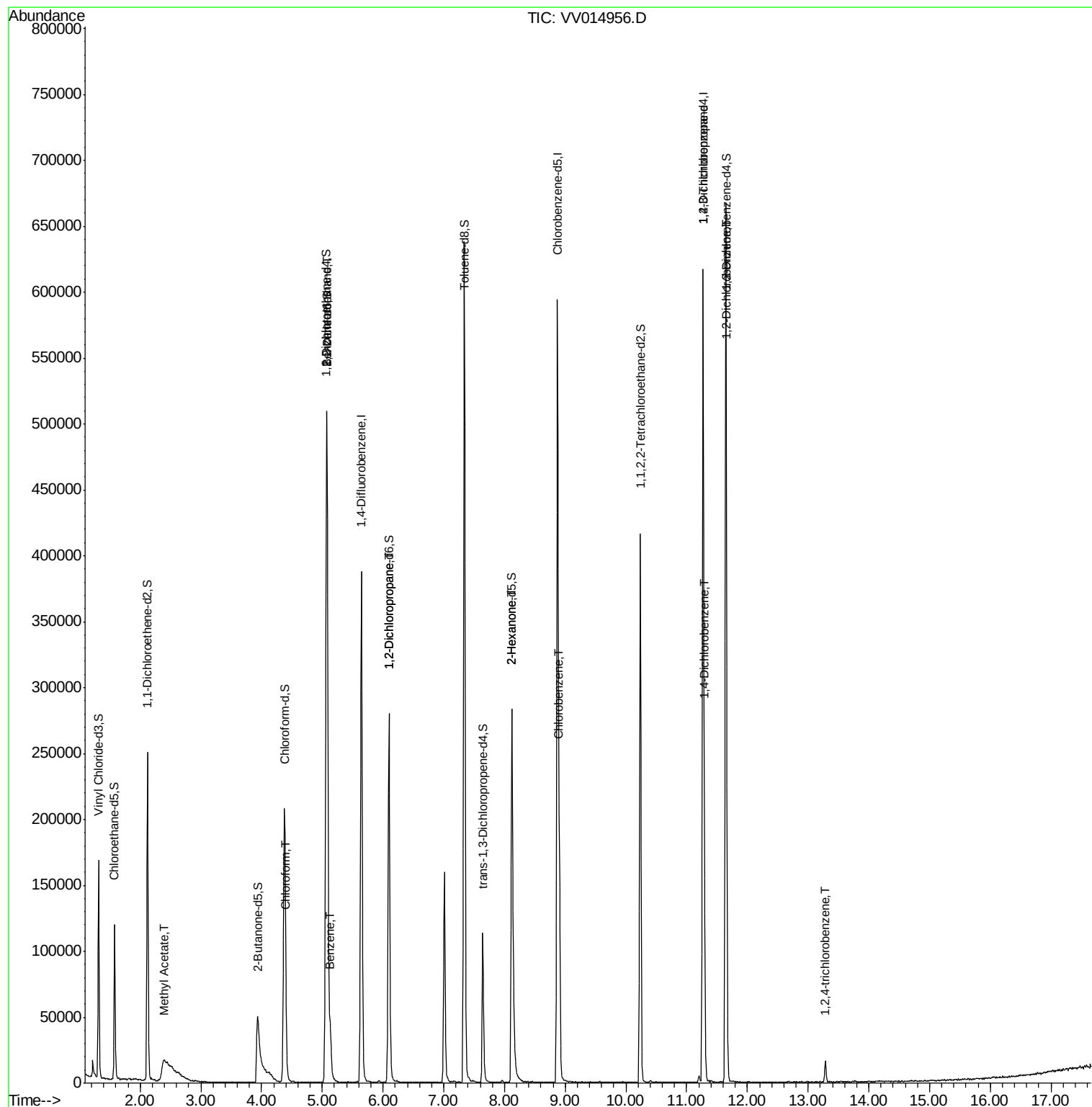
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
15) Methyl Acetate	2.39	43	4613	2.569	ug/L #	47
25) Chloroform	4.41	83	5778	1.274	ug/L	85
27) 1,2-Dichloroethane	5.07	62	3096	0.906	ug/L	98
33) Benzene	5.13	78	42447	4.594	ug/L	100
37) 1,2-Dichloropropane	6.10	63	15136	6.537	ug/L #	84
48) 2-Hexanone	8.12	43	14243	5.758	ug/L #	73
51) Chlorobenzene	8.90	112	99152	13.848	ug/L	98
59) 1,2,3-Trichloropropane	11.27	75	17309	5.452	ug/L	93
63) 1,4-Dichlorobenzene	11.30	146	56332	10.332	ug/L	98
65) 1,2-Dichlorobenzene	11.66	146	22218	4.109	ug/L	97
68) 1,2,4-trichlorobenzene	13.28	180	5077	1.342	ug/L	93

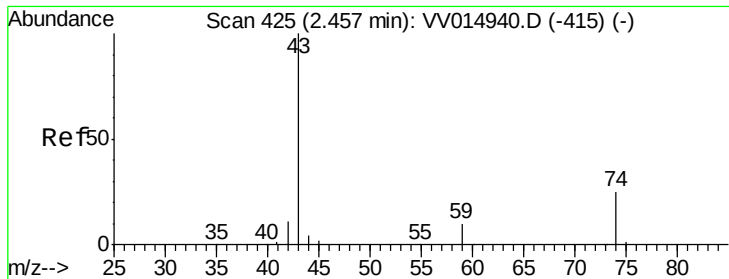
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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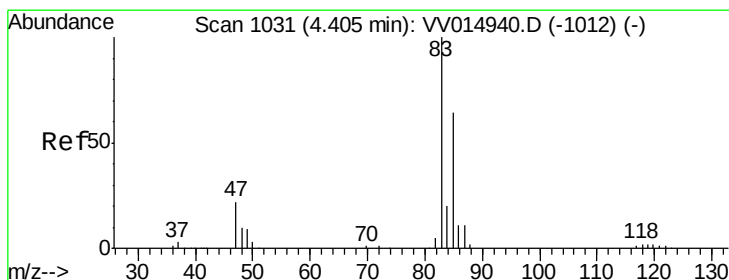
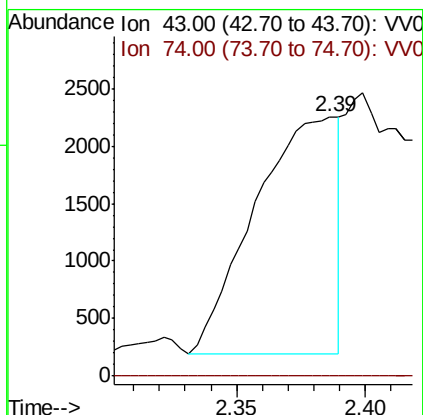
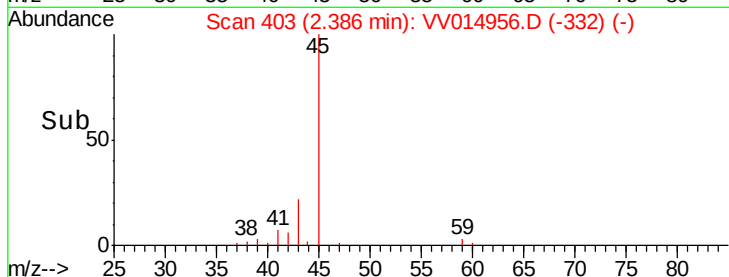
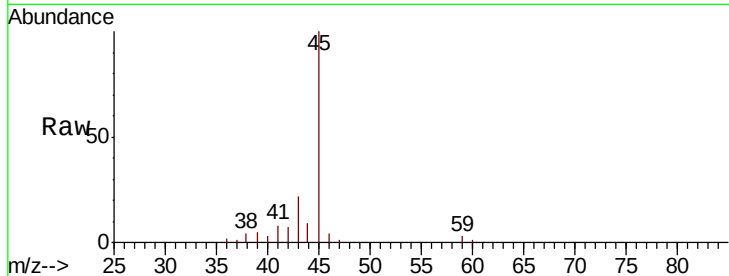




#15
Methvl Acetate
Concen: 2.569 ug/L
RT: 2.39 min Scan# 403
Delta R.T. -0.07 min
Lab File: VV014956.D
Acq: 16 Mar 2020 19:20

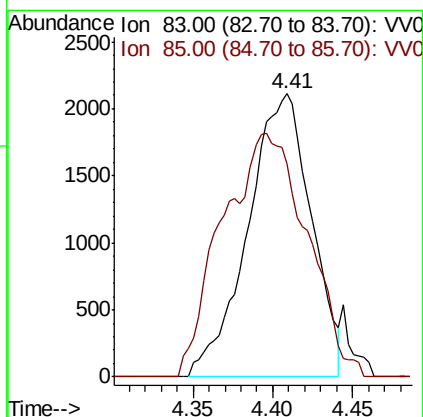
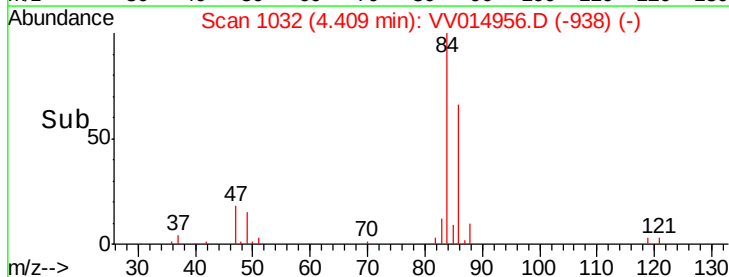
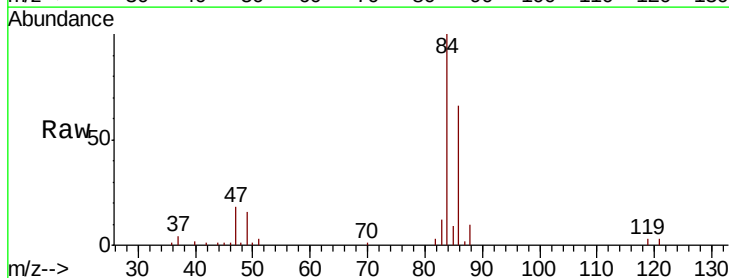
Instrument :
MSVOA_V
ClientSampled :
C0D98

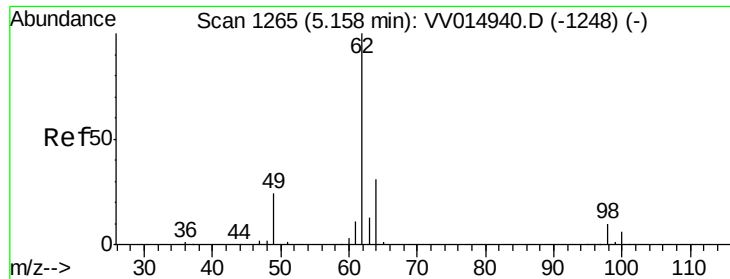
Tot Ion: 43 Resp: 4613
Ion Ratio Lower Upper
43 100
74 0.0 22.4 33.6#



#25
Chloroform
Concen: 1.274 ug/L
RT: 4.41 min Scan# 1032
Delta R.T. 0.00 min
Lab File: VV014956.D
Acq: 16 Mar 2020 19:20

Tgt Ion: 83 Resp: 5778
Ion Ratio Lower Upper
83 100
85 75.2 44.6 82.8

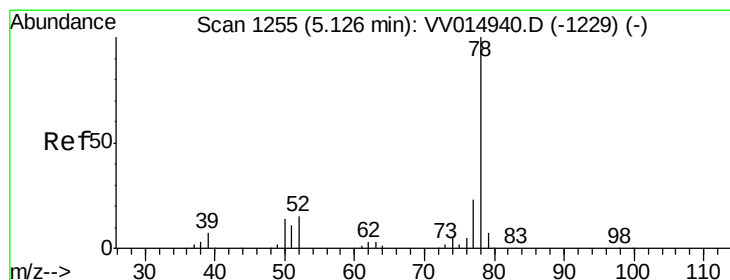
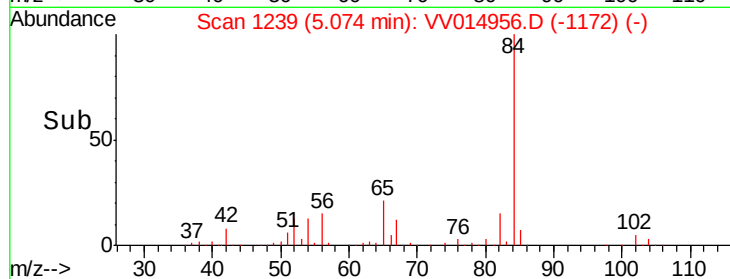
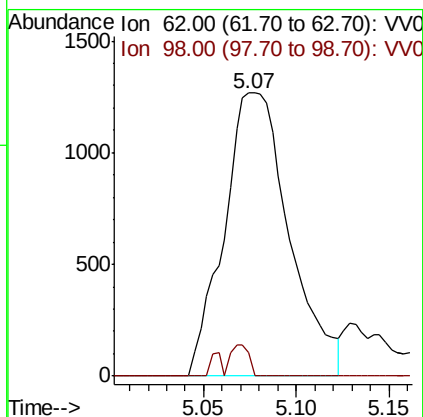
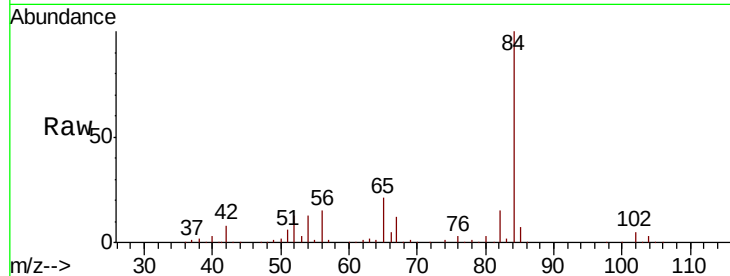




#27
 1,2-Dichloroethane
 Concen: 0.906 ug/L
 RT: 5.07 min Scan# 1239
 Delta R.T. -0.08 min
 Lab File: VV014956.D
 Acq: 16 Mar 2020 19:20

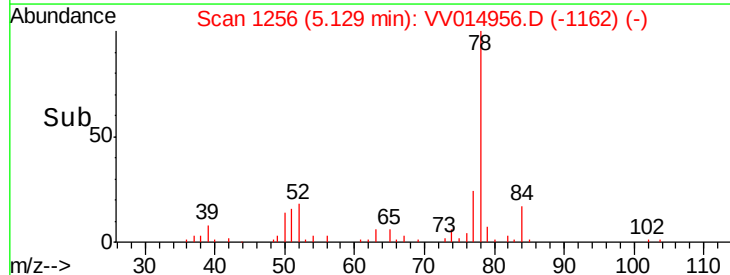
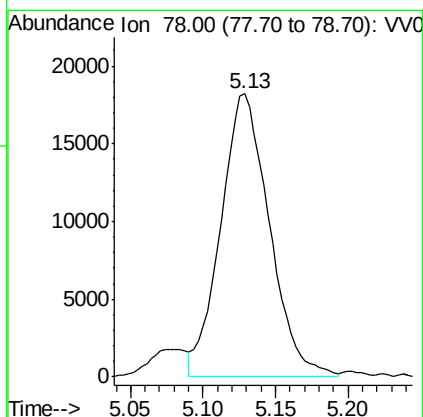
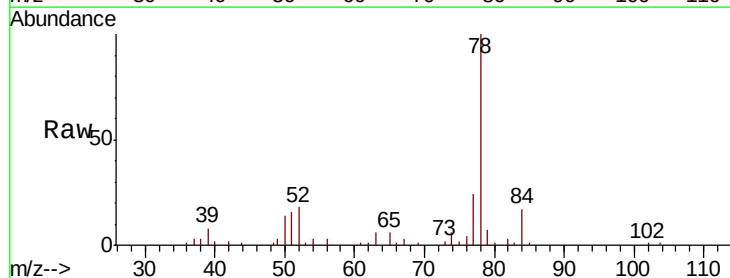
Instrument :
 MSVOA_V
 ClientSampled :
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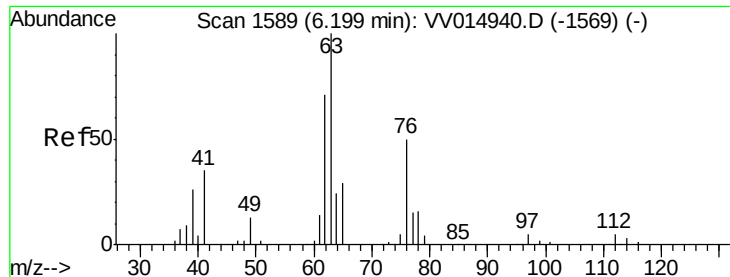
Tot Ion: 62 Resp: 3096
 Ion Ratio Lower Upper
 62 100
 98 8.4 7.4 11.0



#33
 Benzene
 Concen: 4.594 ug/L
 RT: 5.13 min Scan# 1256
 Delta R.T. 0.00 min
 Lab File: VV014956.D
 Acq: 16 Mar 2020 19:20

Tgt Ion: 78 Resp: 42447

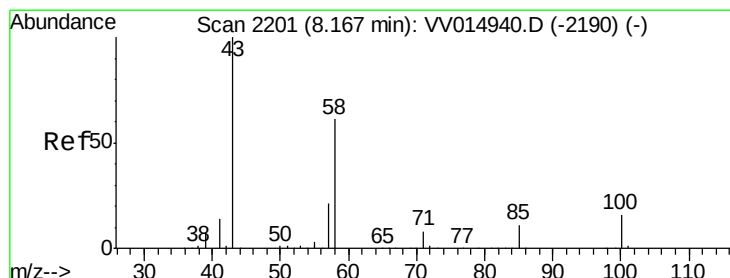
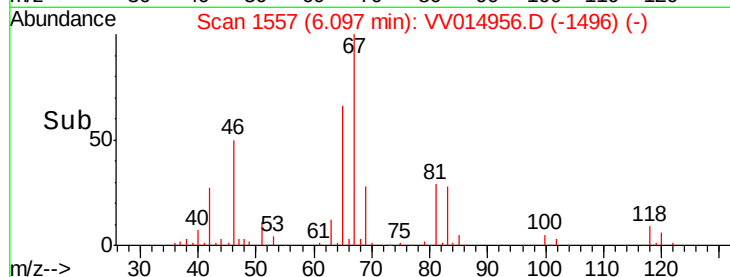
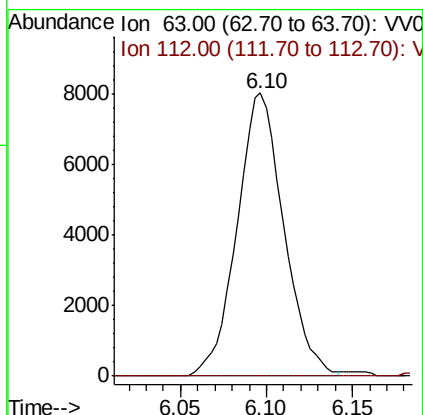
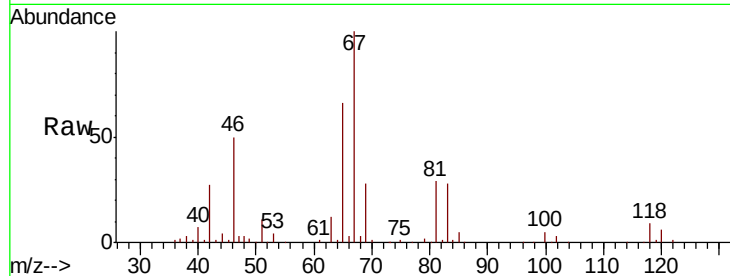




#37
 1,2-Dichloropropane
 Concen: 6.537 ug/L
 RT: 6.10 min Scan# 1557
 Delta R.T. -0.10 min
 Lab File: VV014956.D
 Acq: 16 Mar 2020 19:20

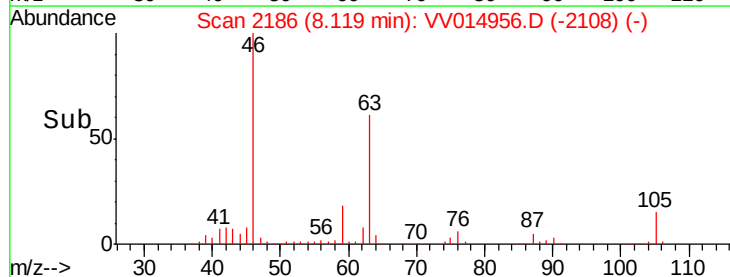
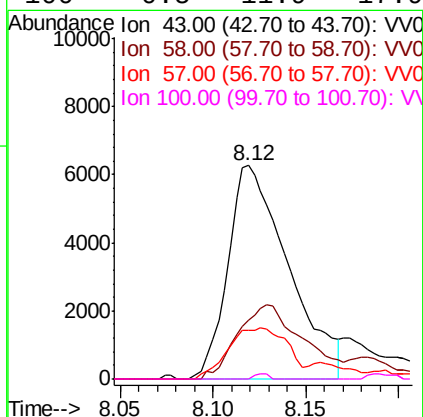
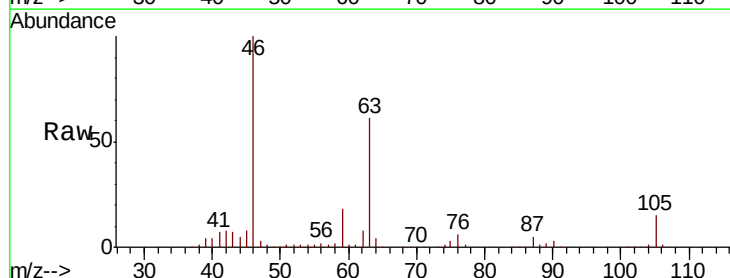
Instrument :
 MSVOA_V
 ClientSampled :
 C0D98

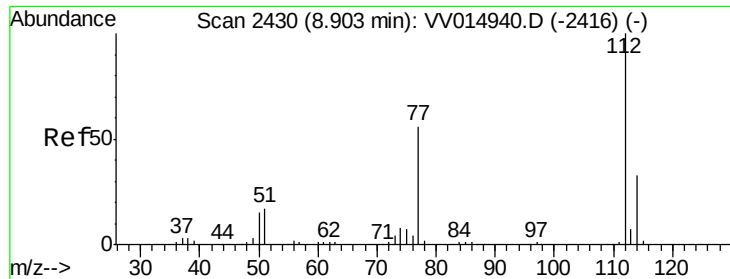
Tot Ion: 63 Resp: 15136
 Ion Ratio Lower Upper
 63 100
 112 0.3 4.4 6.6#



#48
 2-Hexanone
 Concen: 5.758 ug/L
 RT: 8.12 min Scan# 2186
 Delta R.T. -0.05 min
 Lab File: VV014956.D
 Acq: 16 Mar 2020 19:20

Tgt Ion: 43 Resp: 14243
 Ion Ratio Lower Upper
 43 100
 58 37.7 46.9 70.3#
 57 11.4 16.2 24.4#
 100 0.5 11.9 17.9#





#51

Chlorobenzene

Concen: 13.848 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV014956.D

Acq: 16 Mar 2020 19:20

Instrument :

MSVOA_V

ClientSampled :

C0D98

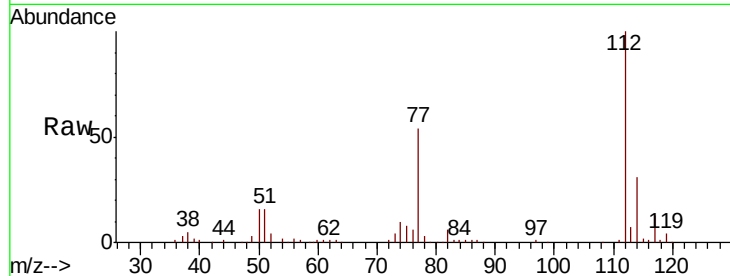
Tot Ion:112 Resp: 99152

Ion Ratio Lower Upper

112 100

114 30.9 22.8 42.4

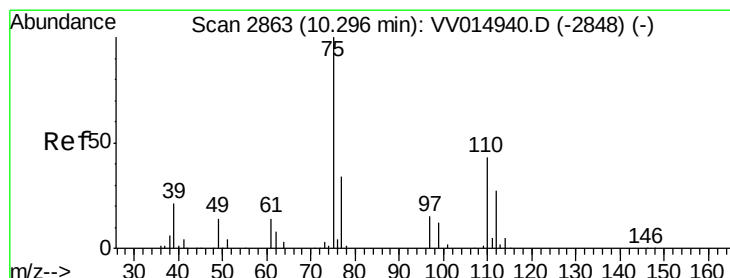
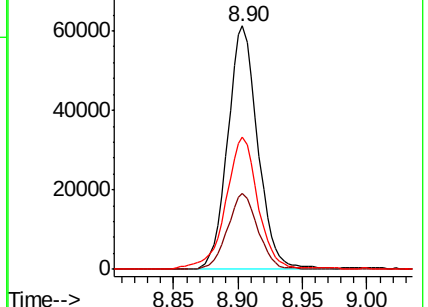
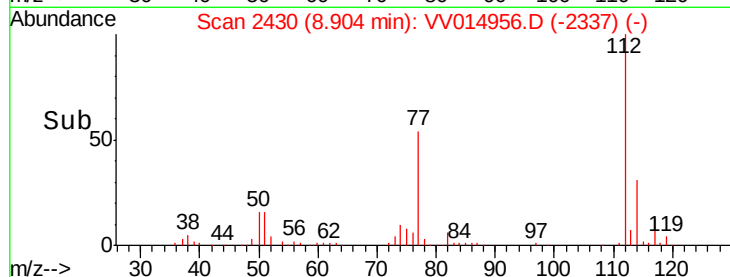
77 54.4 44.5 66.7



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): V



#59

1,2,3-Trichloropropane

Concen: 5.452 ug/L

RT: 11.27 min Scan# 3167

Delta R.T. 0.98 min

Lab File: VV014956.D

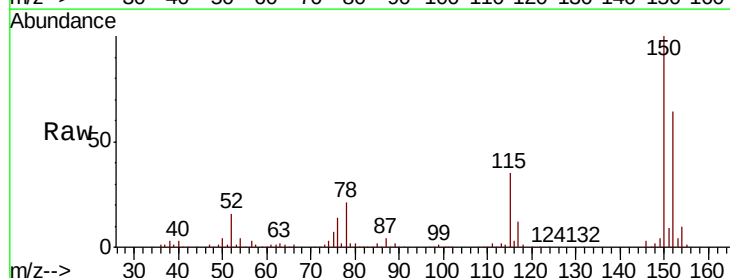
Acq: 16 Mar 2020 19:20

Tgt Ion: 75 Resp: 17309

Ion Ratio Lower Upper

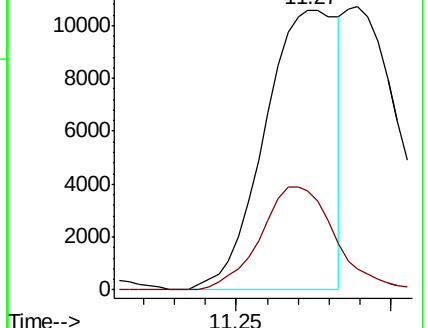
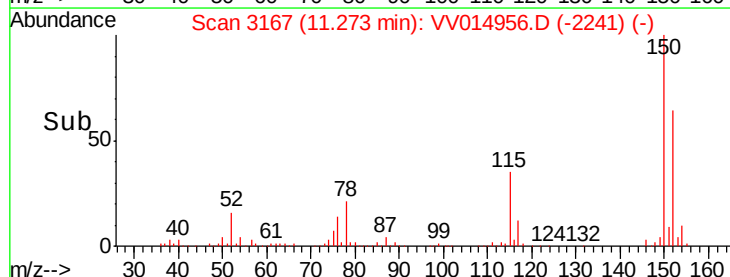
75 100

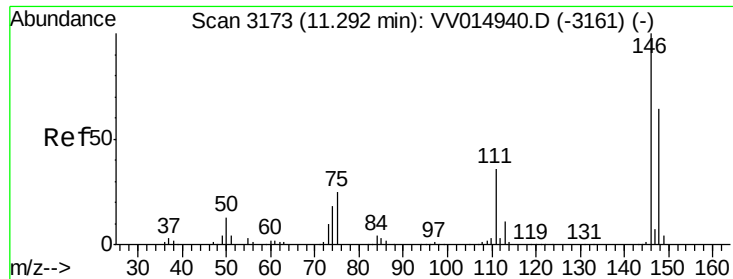
77 37.5 26.6 40.0



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

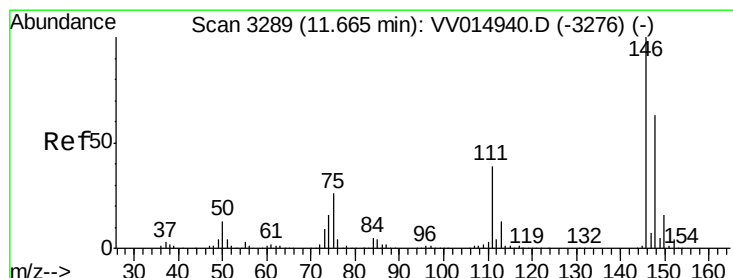
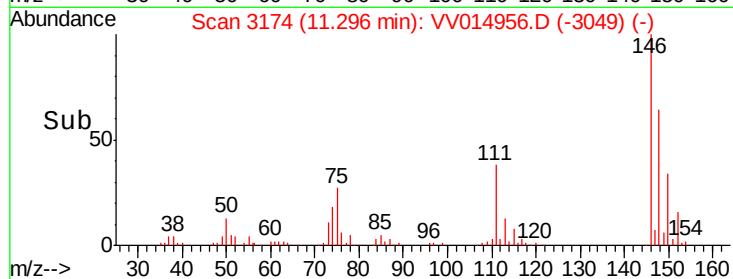
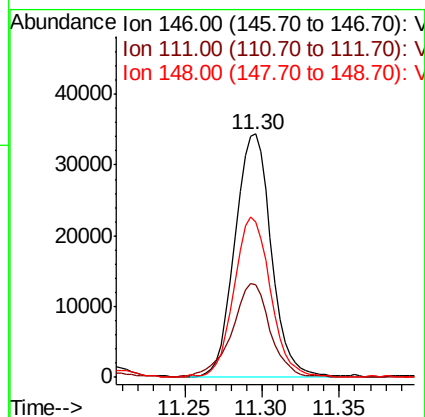
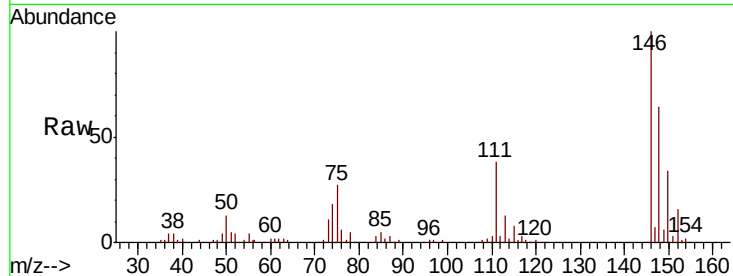




#63
 1,4-Dichlorobenzene
 Concen: 10.332 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV014956.D
 Acq: 16 Mar 2020 19:20

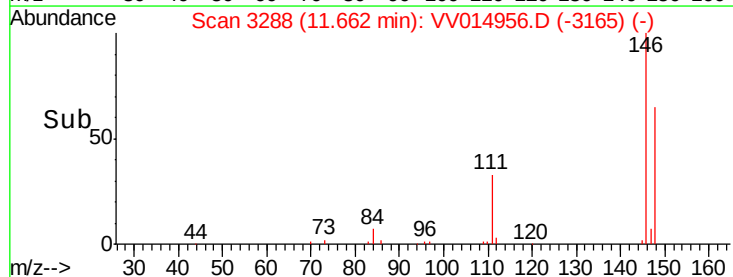
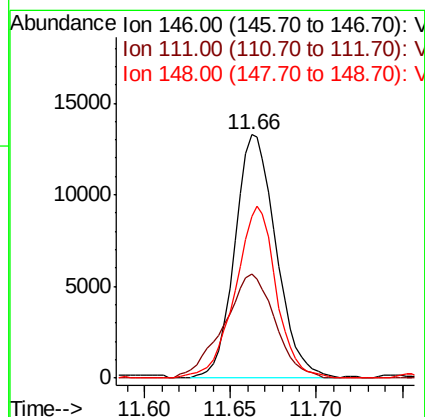
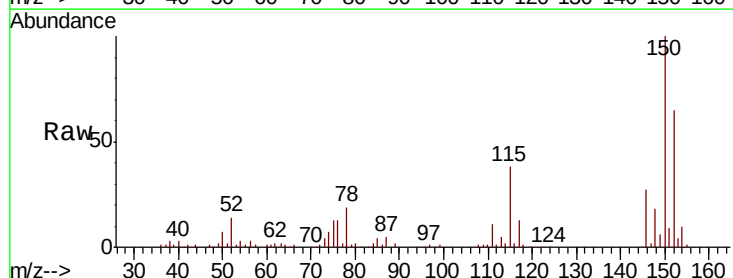
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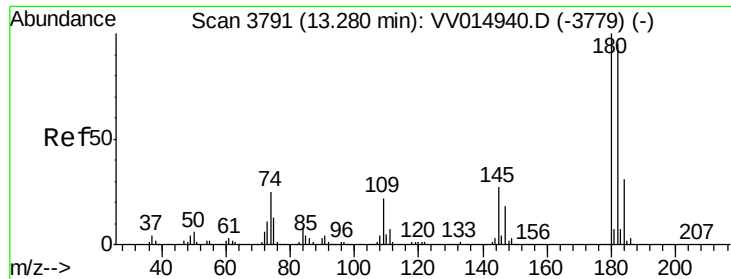
Tot Ion:146 Resp: 56332
 Ion Ratio Lower Upper
 146 100
 111 38.0 26.0 48.2
 148 63.5 46.1 85.5



#65
 1,2-Dichlorobenzene
 Concen: 4.109 ug/L
 RT: 11.66 min Scan# 3288
 Delta R.T. -0.00 min
 Lab File: VV014956.D
 Acq: 16 Mar 2020 19:20

Tgt Ion:146 Resp: 22218
 Ion Ratio Lower Upper
 146 100
 111 42.6 31.6 47.4
 148 66.5 52.2 78.4





#68
 1,2,4-trichlorobenzene
 Concen: 1.342 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV014956.D
 Acq: 16 Mar 2020 19:20

Instrument :
 MSVOA_V
 ClientSampleId :
 C0D98

Tot Ion:180	Resp:	5077
Ion	Ratio	Lower Upper
180	100	
182	104.2	76.3 114.5
145	28.8	23.1 34.7

