

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031620\
 Data File : VV014959.D
 Acq On : 16 Mar 2020 20:32
 Operator : SY/MD
 Sample : L1940-13
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DA7

Quant Time: Mar 18 03:22:13 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	339724	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	325454	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	152089	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	96930	42.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.66%
7) Chloroethane-d5	1.58	69	77220	45.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.88%
11) 1,1-Dichloroethene-d2	2.12	63	119041	34.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.56%
21) 2-Butanone-d5	3.93	46	107693	78.04	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	78.04%
24) Chloroform-d	4.38	84	208582	44.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.46%
26) 1,2-Dichloroethane-d4	5.06	65	140553	47.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.10%
32) Benzene-d6	5.08	84	434184	48.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.86%
36) 1,2-Dichloropropane-d6	6.10	67	130512	48.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.76%
41) Toluene-d8	7.34	98	412019	46.46	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.92%
43) trans-1,3-Dichloropropene-	7.64	79	61725	43.49	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.98%
47) 2-Hexanone-d5	8.12	63	116790	96.91	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.91%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	182188	46.61	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.22%
64) 1,2-Dichlorobenzene-d4	11.65	152	166775	50.06	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.12%

Target Compounds

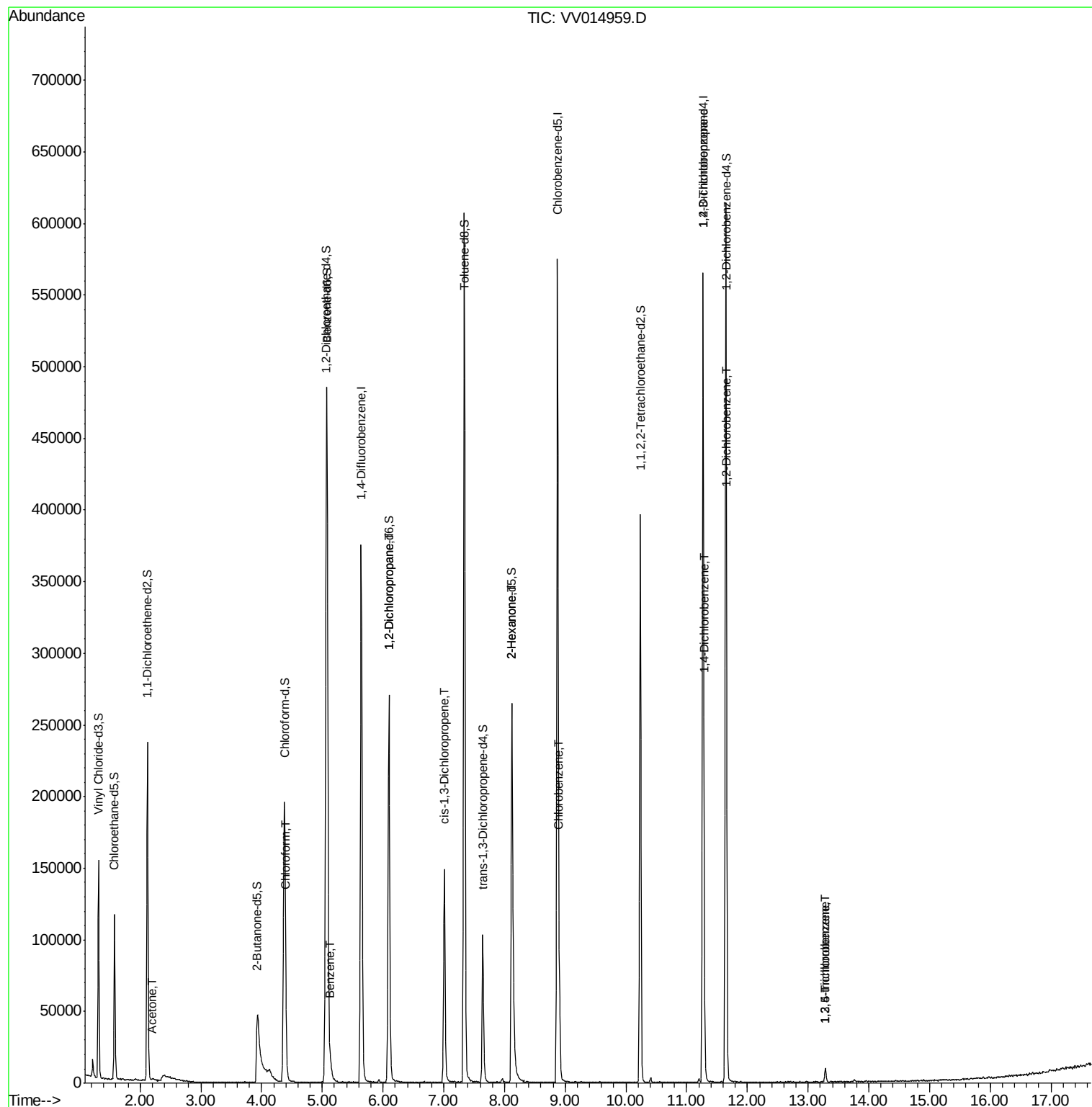
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.20	43	1394	1.022	ug/L	88
25) Chloroform	4.41	83	4553	1.024	ug/L	99
33) Benzene	5.13	78	14139	1.597	ug/L	100
37) 1,2-Dichloropropane	6.10	63	13713	6.180	ug/L #	84
39) cis-1,3-Dichloropropene	7.01	75	3743	1.026	ug/L #	66
48) 2-Hexanone	8.12	43	15598	6.579	ug/L #	72
51) Chlorobenzene	8.90	112	33856	4.934	ug/L	99
59) 1,2,3-Trichloropropane	11.27	75	19204	6.311	ug/L	95
63) 1,4-Dichlorobenzene	11.29	146	20512	4.063	ug/L	93
65) 1,2-Dichlorobenzene	11.67	146	8795	1.757	ug/L	90
67) 1,3,5-Trichlorobenzene	13.29	180	4110	1.046	ug/L #	90
68) 1,2,4-trichlorobenzene	13.29	180	4110	1.173	ug/L #	93

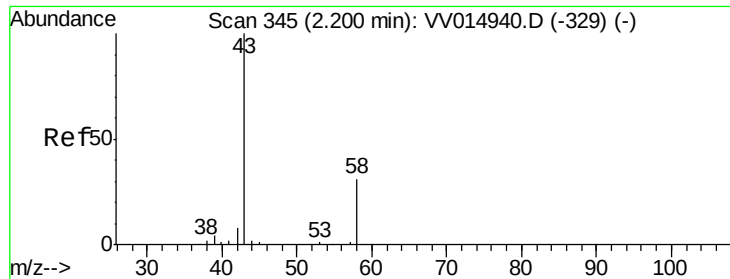
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 1.022 ug/L

RT: 2.20 min Scan# 345

Delta R.T. 0.00 min

Lab File: VV014959.D

Acq: 16 Mar 2020 20:32

Instrument :

MSVOA_V

ClientSampleId :

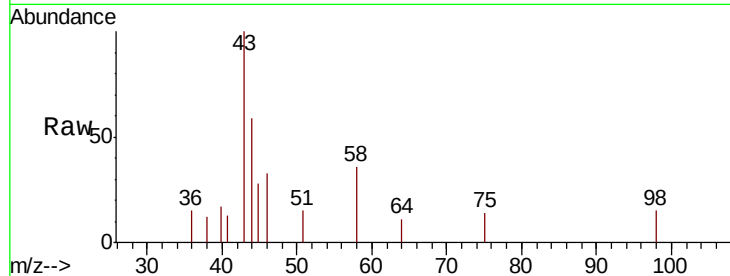
C0DA7

Tot Ion: 43 Resp: 1394

Ion Ratio Lower Upper

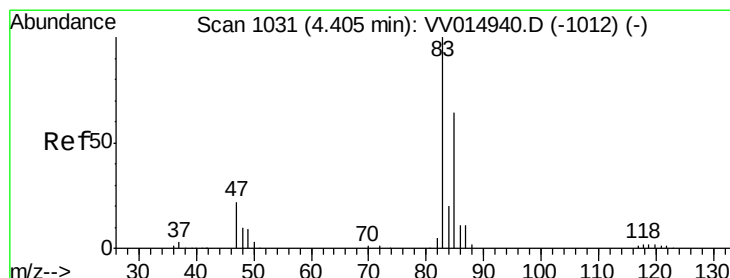
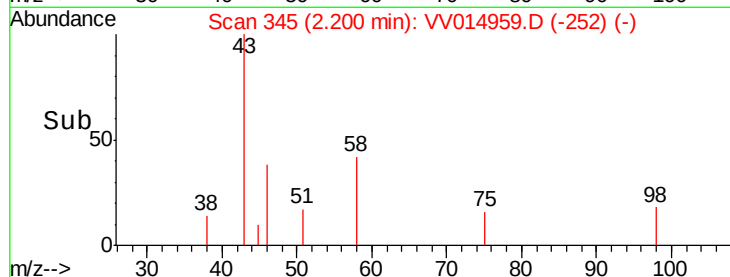
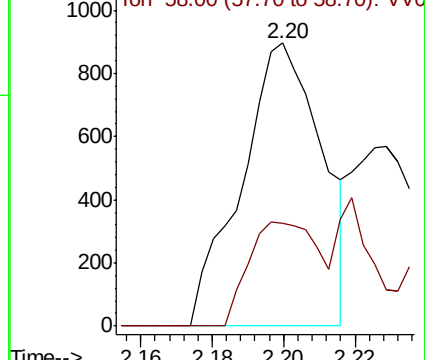
43 100

58 32.0 0.0 51.6



Abundance Ion 43.00 (42.70 to 43.70): VV014940.D (-329) (-)

Ion 58.00 (57.70 to 58.70): VV014940.D (-329) (-)



#25

Chloroform

Concen: 1.024 ug/L

RT: 4.41 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VV014959.D

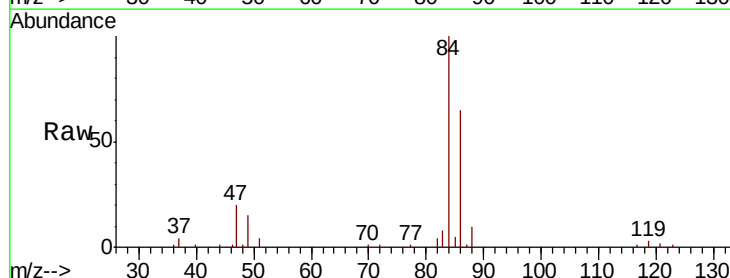
Acq: 16 Mar 2020 20:32

Tgt Ion: 83 Resp: 4553

Ion Ratio Lower Upper

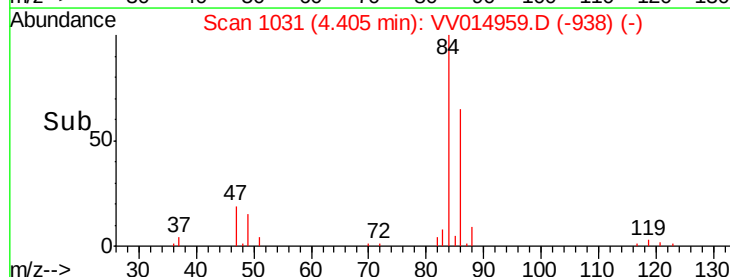
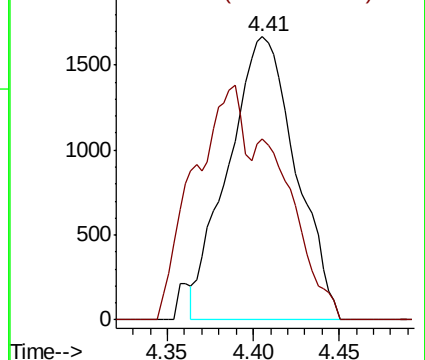
83 100

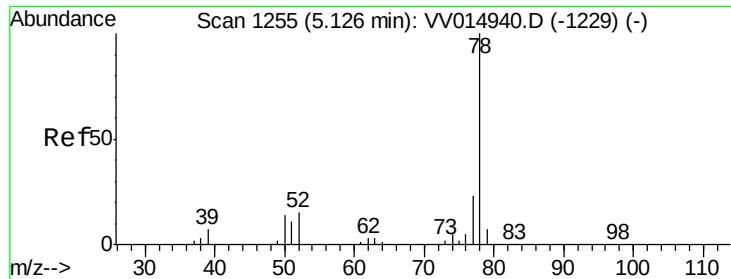
85 64.1 44.6 82.8



Abundance Ion 83.00 (82.70 to 83.70): VV014940.D (-1012) (-)

Ion 85.00 (84.70 to 85.70): VV014940.D (-1012) (-)





#33

Benzene

Concen: 1.597 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VV014959.D

Acq: 16 Mar 2020 20:32

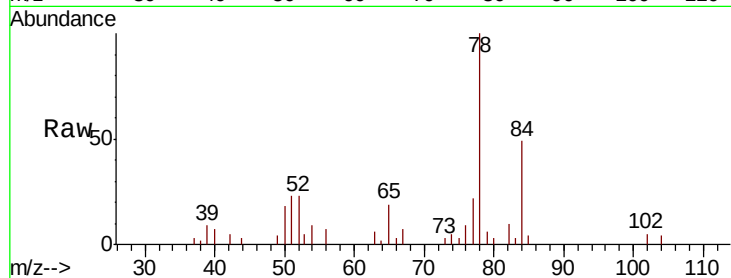
Instrument :

MSVOA_V

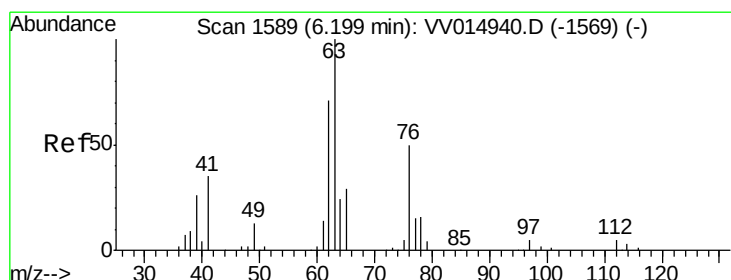
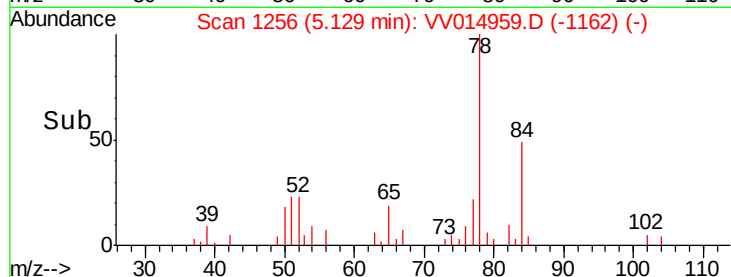
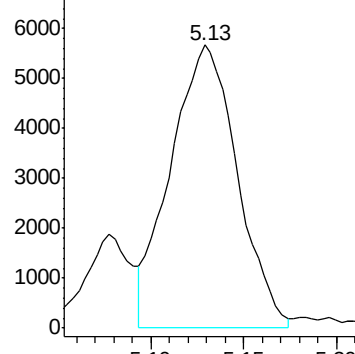
ClientSampled :

C0DA7

Tgt Ion: 78 Resp: 14139



Abundance Ion 78.00 (77.70 to 78.70): VV0



#37

1,2-Dichloropropane

Concen: 6.180 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.10 min

Lab File: VV014959.D

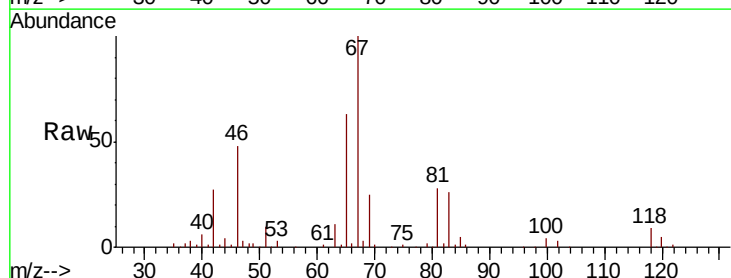
Acq: 16 Mar 2020 20:32

Tgt Ion: 63 Resp: 13713

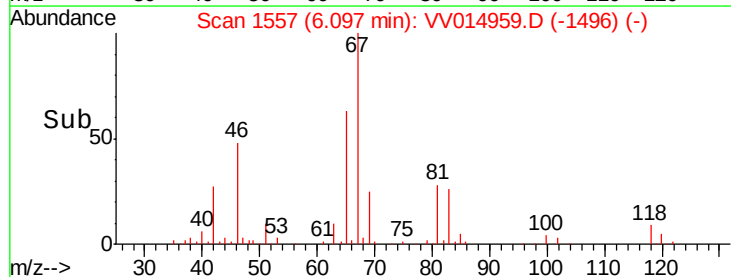
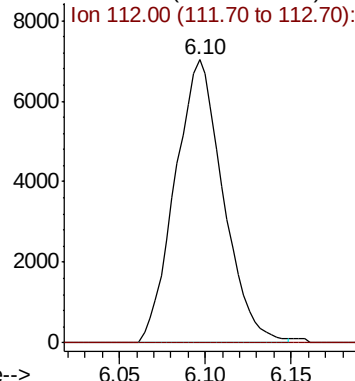
Ion Ratio Lower Upper

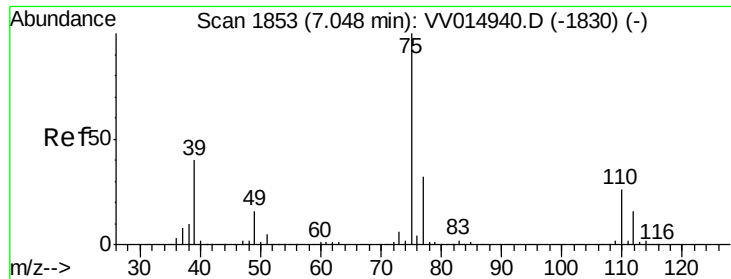
63 100

112 0.0 4.4 6.6#



Abundance Ion 63.00 (62.70 to 63.70): VV0

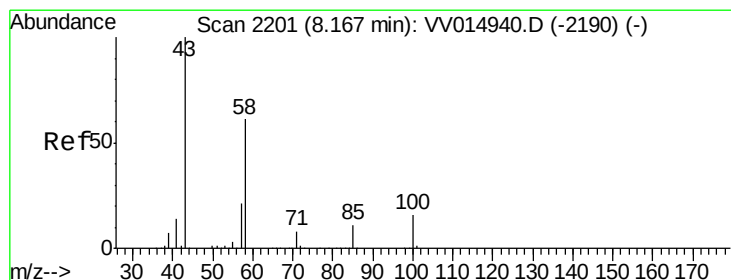
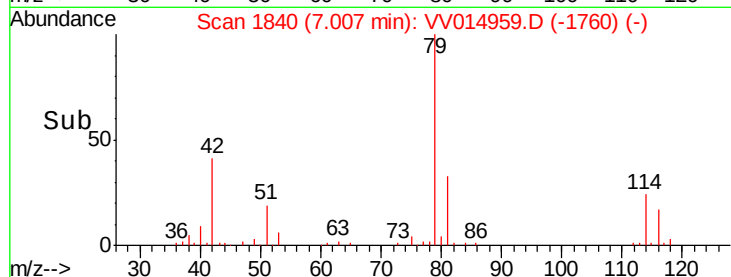
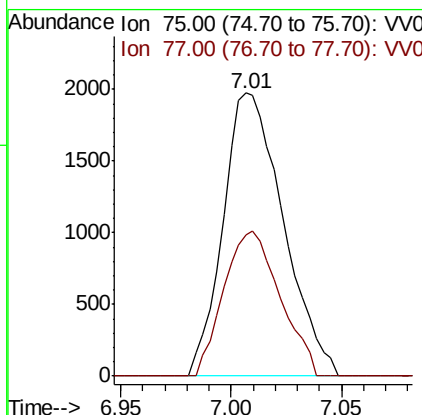
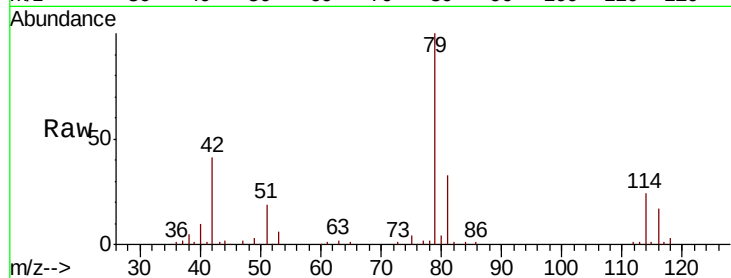




#39
 cis-1,3-Dichloropropene
 Concen: 1.026 ug/L
 RT: 7.01 min Scan# 1840
 Delta R.T. -0.04 min
 Lab File: VV014959.D
 Acq: 16 Mar 2020 20:32

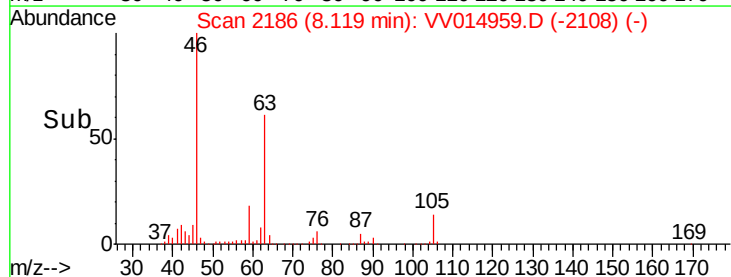
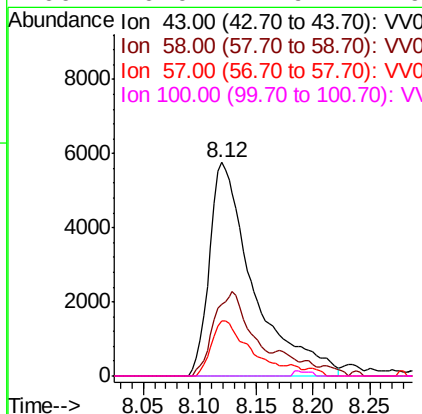
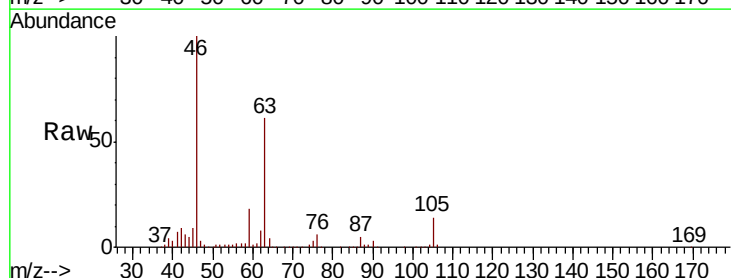
Instrument :
 MSVOA_V
 ClientSampleId :
 C0DA7

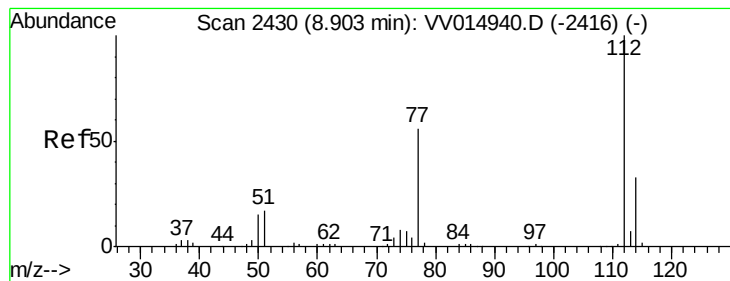
Tot Ion: 75 Resp: 3743
 Ion Ratio Lower Upper
 75 100
 77 50.1 21.8 40.6#



#48
 2-Hexanone
 Concen: 6.579 ug/L
 RT: 8.12 min Scan# 2186
 Delta R.T. -0.05 min
 Lab File: VV014959.D
 Acq: 16 Mar 2020 20:32

Tgt Ion: 43 Resp: 15598
 Ion Ratio Lower Upper
 43 100
 58 33.6 46.9 70.3#
 57 22.3 16.2 24.4
 100 0.0 11.9 17.9#





#51

Chlorobenzene

Concen: 4.934 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV014959.D

Acq: 16 Mar 2020 20:32

Instrument :

MSVOA_V

ClientSampleId :

C0DA7

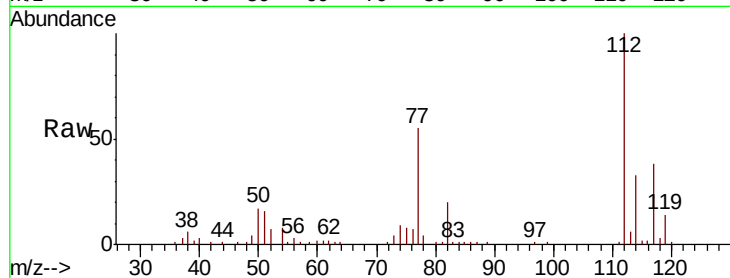
Tot Ion:112 Resp: 33856

Ion Ratio Lower Upper

112 100

114 32.7 22.8 42.4

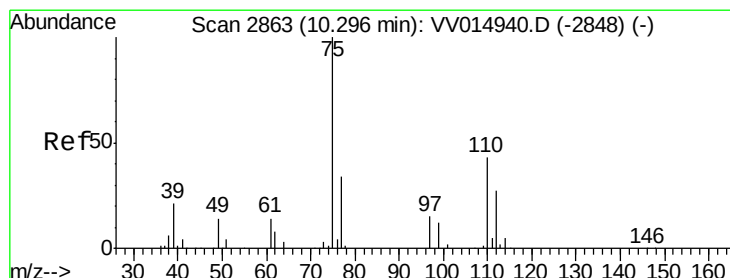
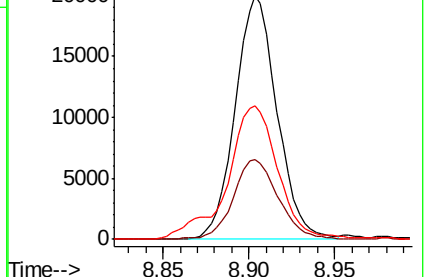
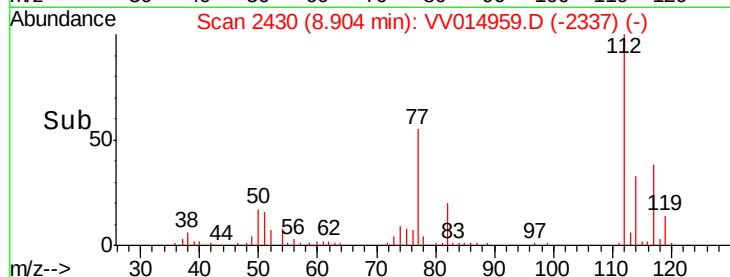
77 54.7 44.5 66.7



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: 6.311 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.97 min

Lab File: VV014959.D

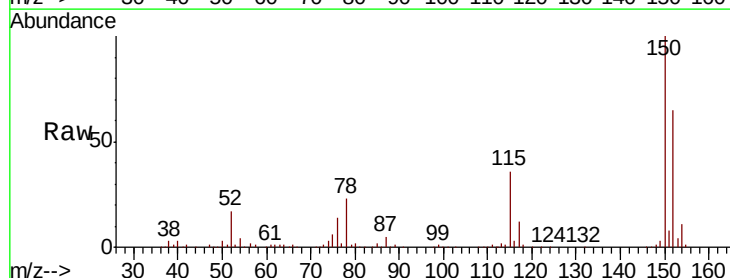
Acq: 16 Mar 2020 20:32

Tgt Ion: 75 Resp: 19204

Ion Ratio Lower Upper

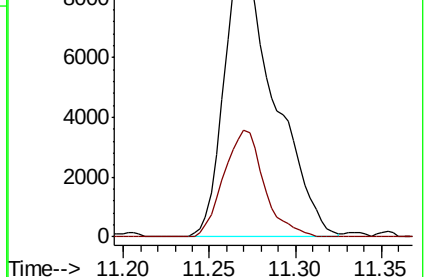
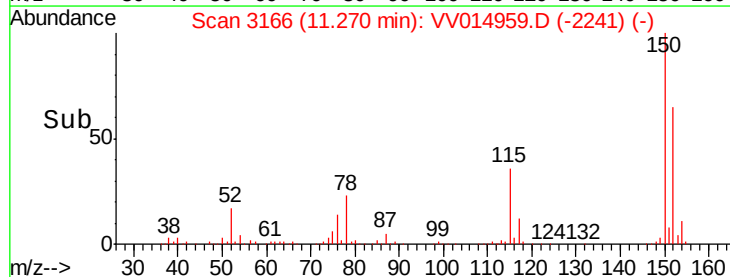
75 100

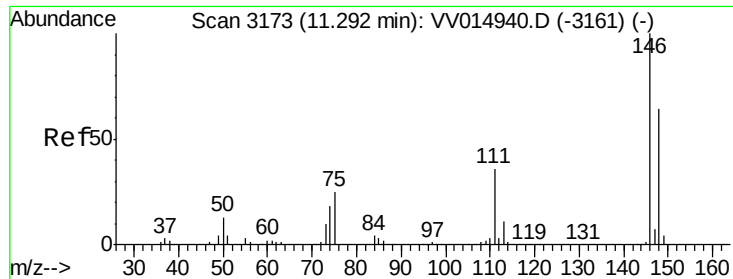
77 30.5 26.6 40.0



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





#63

1,4-Dichlorobenzene

Concen: 4.063 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV014959.D

Acq: 16 Mar 2020 20:32

Instrument :

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ClientSampleId :

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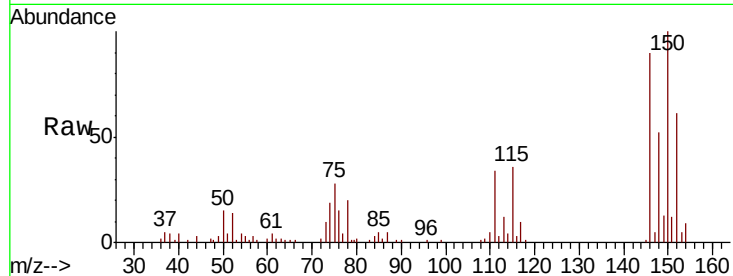
Tot Ion:146 Resp: 20512

Ion Ratio Lower Upper

146 100

111 37.4 26.0 48.2

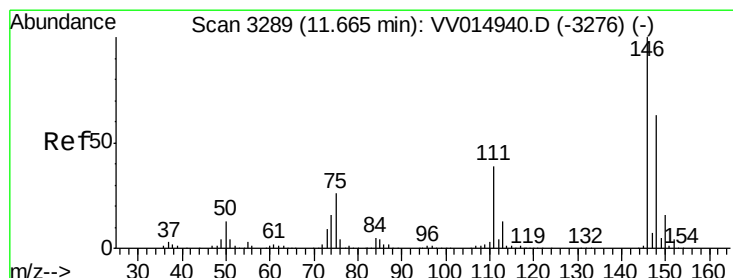
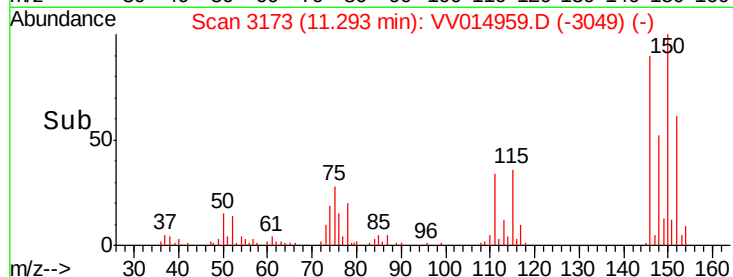
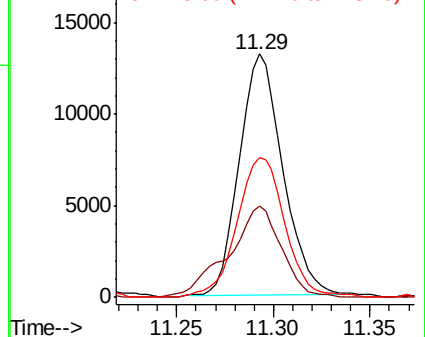
148 57.4 46.1 85.5



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



#65

1,2-Dichlorobenzene

Concen: 1.757 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV014959.D

Acq: 16 Mar 2020 20:32

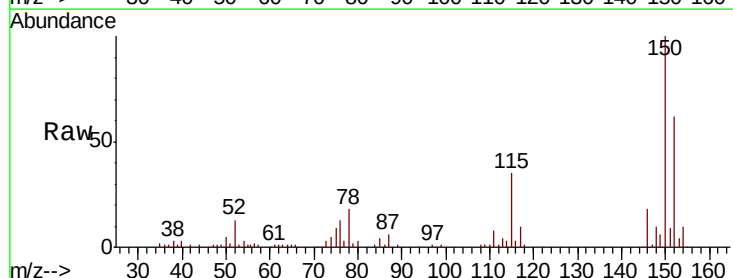
Tgt Ion:146 Resp: 8795

Ion Ratio Lower Upper

146 100

111 41.9 31.6 47.4

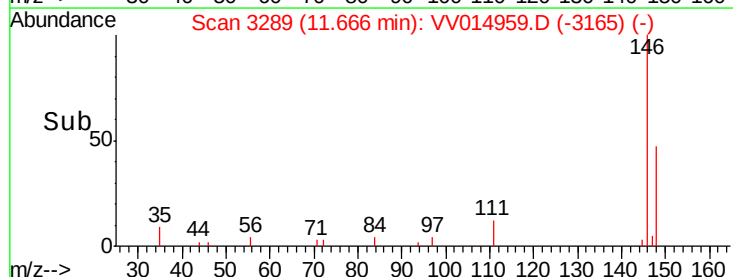
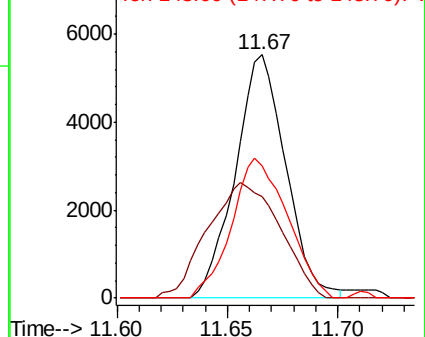
148 54.4 52.2 78.4

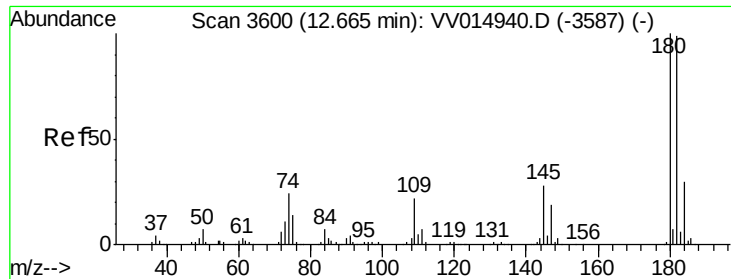


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

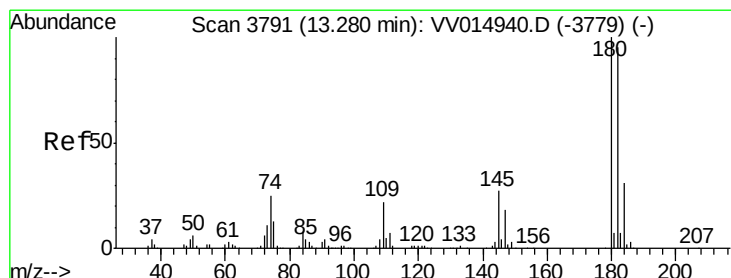
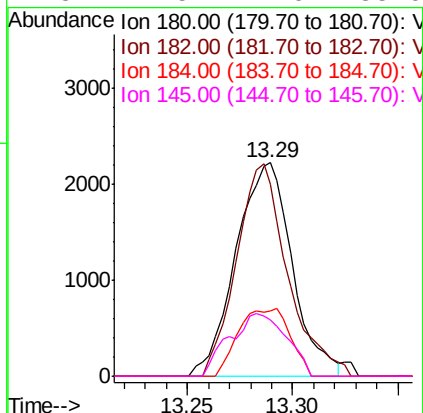
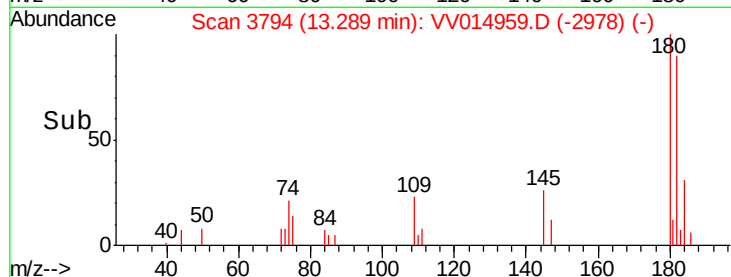
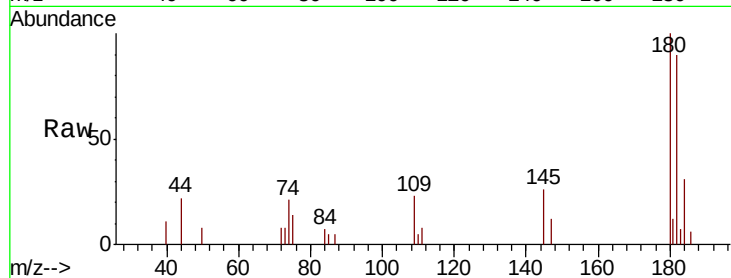




#67
 1,3,5-Trichlorobenzene
 Concen: 1.046 ug/L
 RT: 13.29 min Scan# 3794
 Delta R.T. 0.62 min
 Lab File: VV014959.D
 Acq: 16 Mar 2020 20:32

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DA7

Tot Ion:180 Resp: 4110
 Ion Ratio Lower Upper
 180 100
 182 90.7 75.7 113.5
 184 15.7 24.2 36.4#
 145 22.5 22.0 33.0



#68
 1,2,4-trichlorobenzene
 Concen: 1.173 ug/L
 RT: 13.29 min Scan# 3794
 Delta R.T. 0.01 min
 Lab File: VV014959.D
 Acq: 16 Mar 2020 20:32

Tgt Ion:180 Resp: 4110
 Ion Ratio Lower Upper
 180 100
 182 90.7 76.3 114.5
 145 22.5 23.1 34.7#

