

Data File : VV014967.D
Acq On : 17 Mar 2020 12:34
Operator : SY/MD
Sample : L1890-11DL 20X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0DD1DL

Quant Time: Mar 18 05:23:34 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031620WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 18 05:21:28 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	349150	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	340391	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	176214	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	83796	36.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	72.06%
7) Chloroethane-d5	1.58	69	70832	41.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.00%
11) 1,1-Dichloroethene-d2	2.12	63	111510	31.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.50%
21) 2-Butanone-d5	3.93	46	101708	71.71	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	71.71%
24) Chloroform-d	4.38	84	209818	43.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.58%
26) 1,2-Dichloroethane-d4	5.05	65	137841	44.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.78%
32) Benzene-d6	5.07	84	426388	45.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.94%
36) 1,2-Dichloropropane-d6	6.09	67	126002	45.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.24%
41) Toluene-d8	7.34	98	411993	44.42	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.84%
43) trans-1,3-Dichloropropene-	7.64	79	61917	41.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.42%
47) 2-Hexanone-d5	8.12	63	103718	82.29	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	82.29%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	179627	43.94	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.88%
64) 1,2-Dichlorobenzene-d4	11.65	152	181314	46.97	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.94%

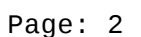
Target Compounds

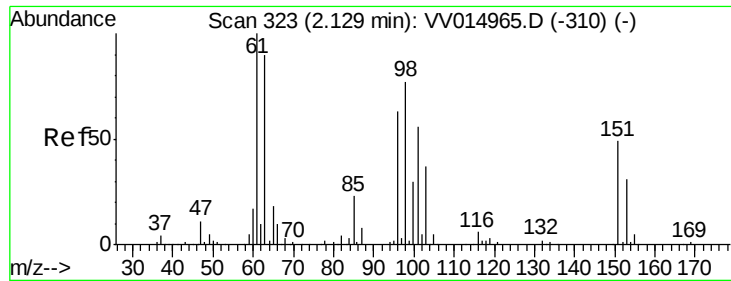
					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1187	0.660 ug/L #	15
33) Benzene	5.13	78	195928	21.153 ug/L	100
48) 2-Hexanone	8.12	43	11329	4.569 ug/L #	72
51) Chlorobenzene	8.90	112	830608	115.729 ug/L	99
59) 1,2,3-Trichloropropane	11.20	75	11131	3.497 ug/L #	42
62) 1,3-Dichlorobenzene	11.20	146	42596	7.335 ug/L	98
63) 1,4-Dichlorobenzene	11.29	146	261105	44.637 ug/L	97
65) 1,2-Dichlorobenzene	11.67	146	253386	43.683 ug/L	97
67) 1,3,5-Trichlorobenzene	13.28	180	131820	28.953 ug/L	98
68) 1,2,4-trichlorobenzene	13.28	180	131820	32.484 ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	32711	8.143 ug/L	96

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

ALS Vial : 5 Sample Multiplier: 1

Response via : Initial Calibration





#10

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

Concen: 0.660 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

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C0DD1DL

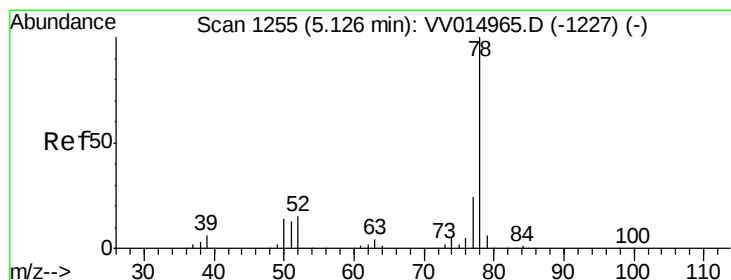
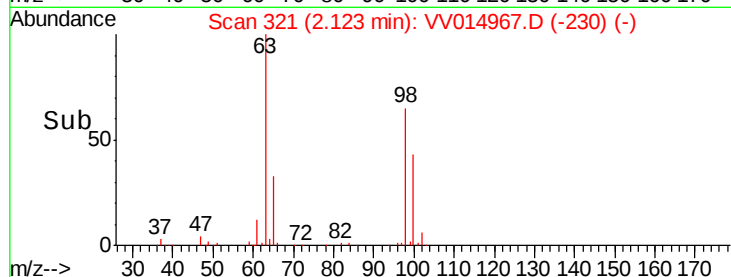
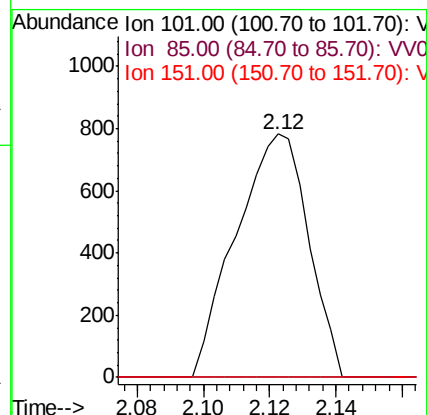
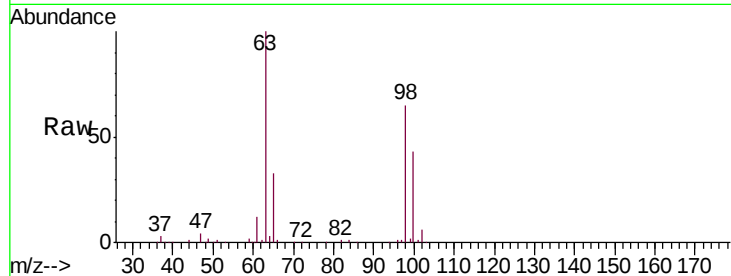
Tgt Ion:101 Resp: 1187

Ion Ratio Lower Upper

101 100

85 0.0 33.9 50.9#

151 0.0 70.1 105.1#



#33

Benzene

Concen: 21.153 ug/L

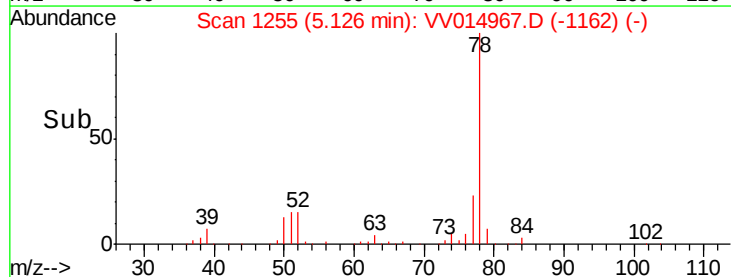
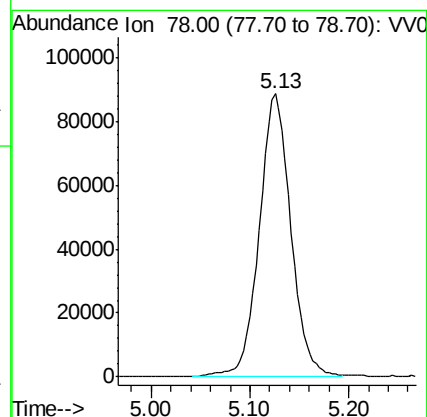
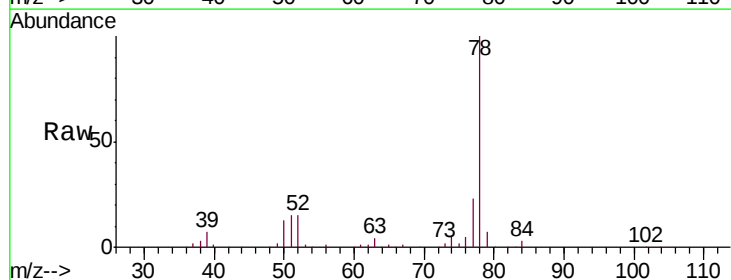
RT: 5.13 min Scan# 1255

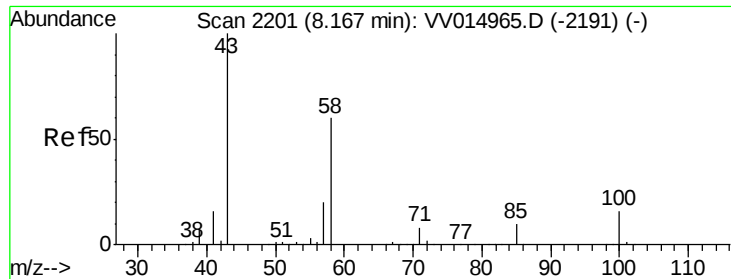
Delta R.T. 0.00 min

Lab File: VV014967.D

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Tgt Ion: 78 Resp: 195928

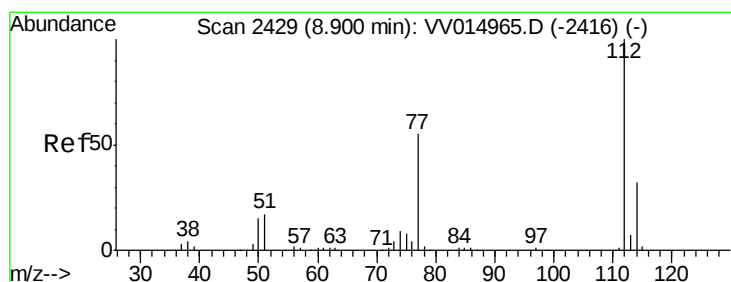
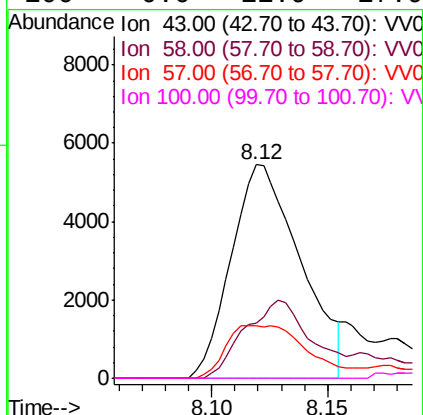
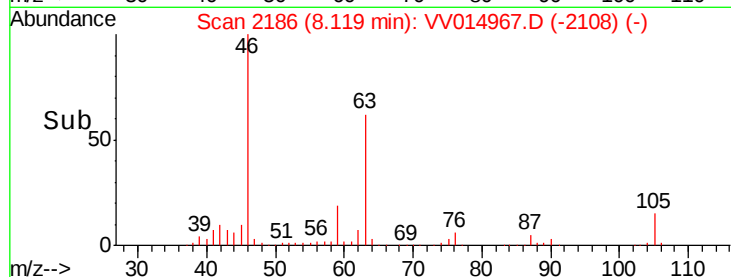
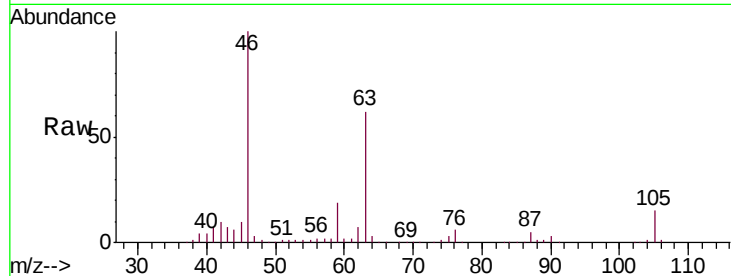




#48
2-Hexanone
Concen: 4.569 ug/L
RT: 8.12 min Scan# 2186
Delta R.T. -0.05 min
Lab File: VV014967.D
Acq: 17 Mar 2020 12:34

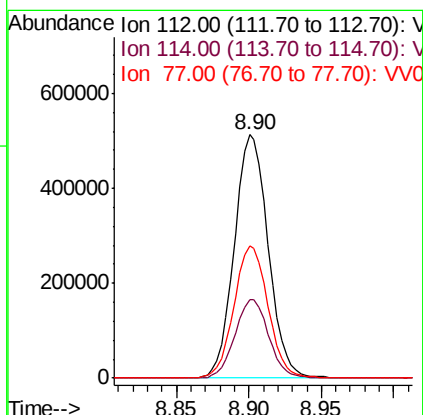
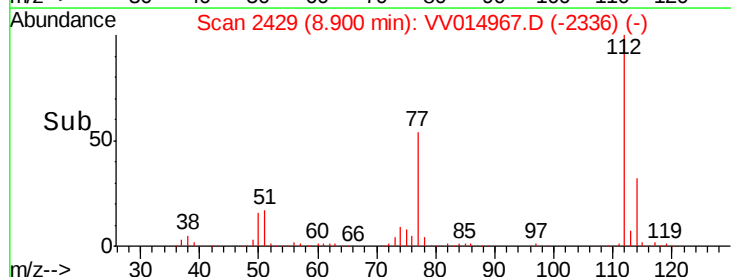
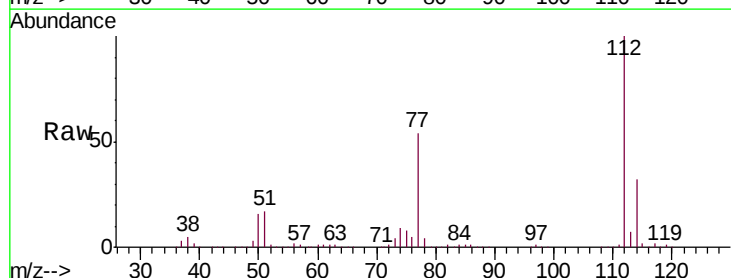
Instrument :
MSVOA_V
ClientSampleId :
C0DD1DL

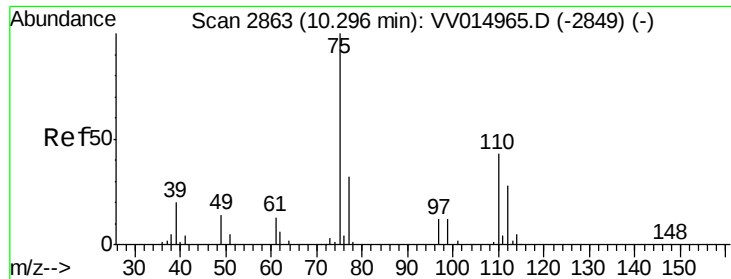
Tgt Ion: 43 Resp: 11329
Ion Ratio Lower Upper
43 100
58 35.1 46.9 70.3#
57 13.8 16.2 24.4#
100 0.0 11.9 17.9#



#51
Chlorobenzene
Concen: 115.729 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. 0.00 min
Lab File: VV014967.D
Acq: 17 Mar 2020 12:34

Tgt Ion: 112 Resp: 830608
Ion Ratio Lower Upper
112 100
114 32.2 22.8 42.4
77 54.3 44.5 66.7





#59

1,2,3-Trichloropropane

Concen: 3.497 ug/L

RT: 11.20 min Scan# 3144

Delta R.T. 0.90 min

Lab File: VV014967.D

Acq: 17 Mar 2020 12:34

Instrument :

MSVOA_V

ClientSampleId :

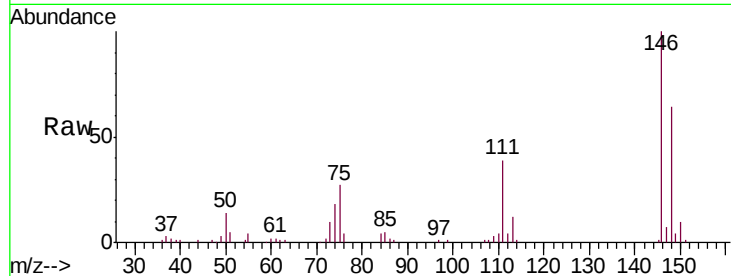
C0DD1DL

Tgt Ion: 75 Resp: 11131

Ion Ratio Lower Upper

75 100

77 0.4 26.6 40.0#



Abundance Ion 75.00 (74.70 to 75.70): VV014967.D (-2241) (-)

Ion 77.00 (76.70 to 77.70): VV014967.D (-2241) (-)

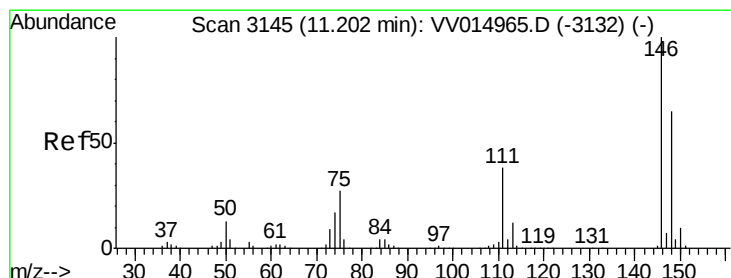
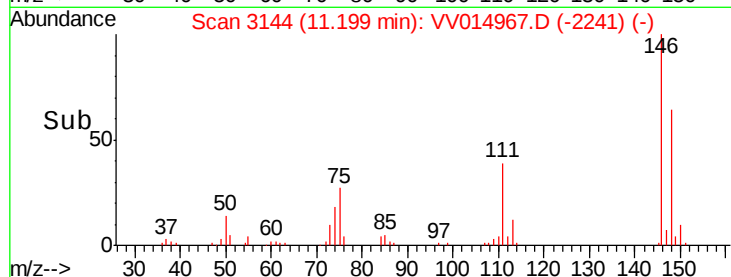
15000

10000

5000

0

Time-->



#62

1,3-Dichlorobenzene

Concen: 7.335 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV014967.D

Acq: 17 Mar 2020 12:34

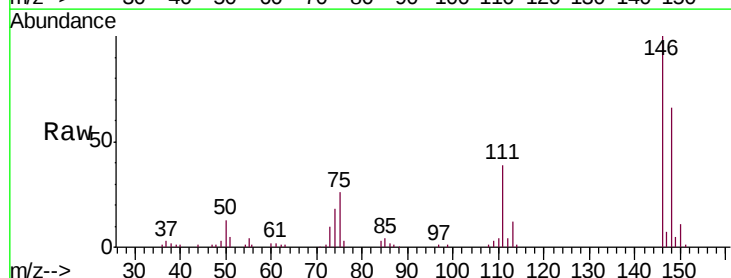
Tgt Ion: 146 Resp: 42596

Ion Ratio Lower Upper

146 100

111 39.3 26.5 49.3

148 66.4 45.4 84.2



Abundance Ion 146.00 (145.70 to 146.70): VV014967.D (-3052) (-)

Ion 111.00 (110.70 to 111.70): VV014967.D (-3052) (-)

Ion 148.00 (147.70 to 148.70): VV014967.D (-3052) (-)

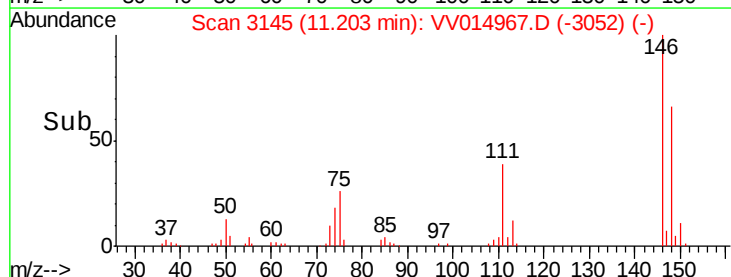
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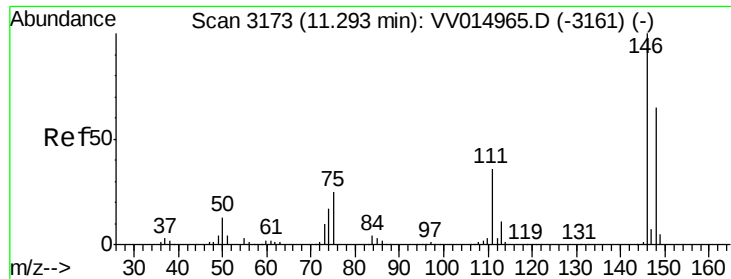
100000

50000

0

Time-->

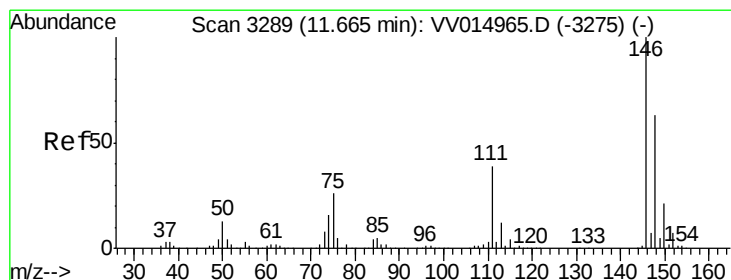
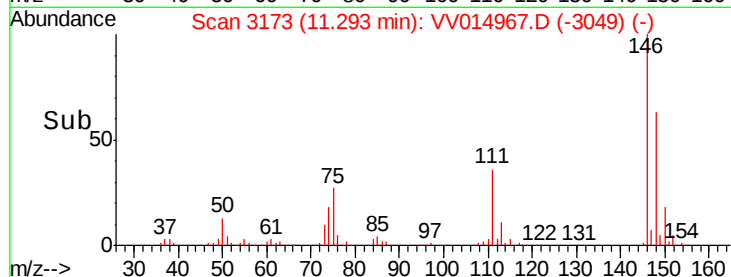
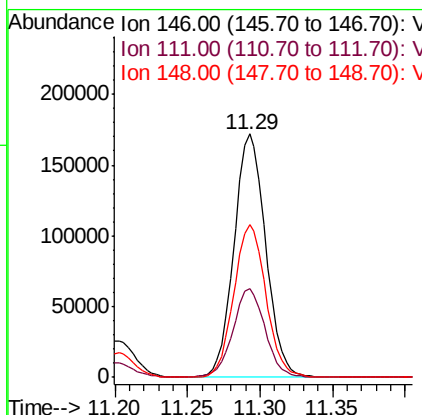
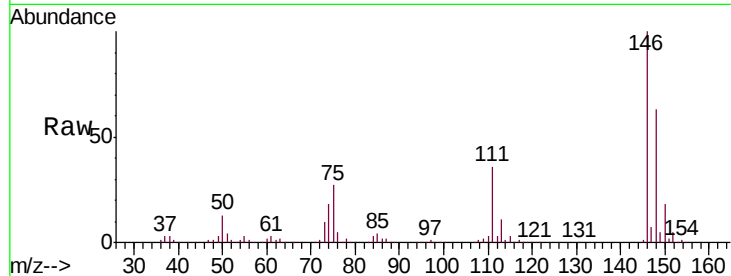




#63
 1,4-Dichlorobenzene
 Concen: 44.637 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV014967.D
 Acq: 17 Mar 2020 12:34

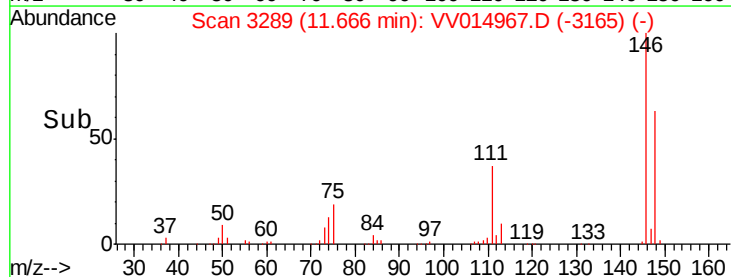
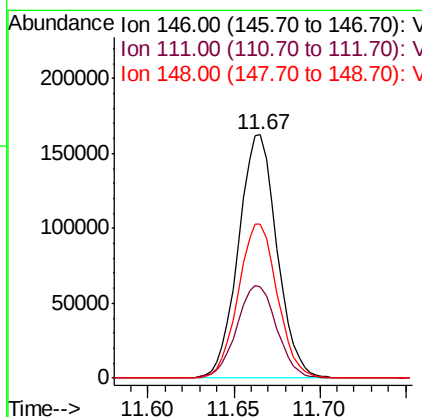
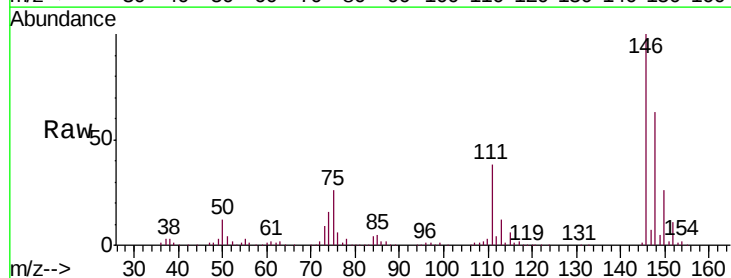
Instrument :
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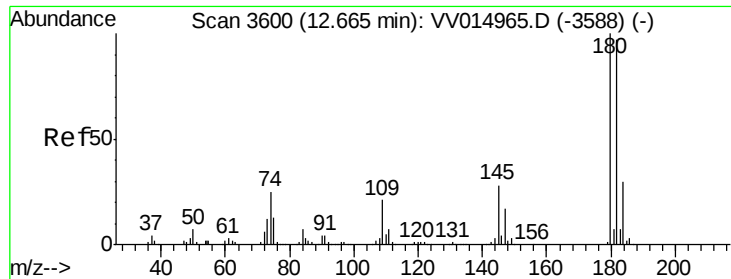
Tgt Ion:146 Resp: 261105
 Ion Ratio Lower Upper
 146 100
 111 36.5 26.0 48.2
 148 62.7 46.1 85.5



#65
 1,2-Dichlorobenzene
 Concen: 43.683 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV014967.D
 Acq: 17 Mar 2020 12:34

Tgt Ion:146 Resp: 253386
 Ion Ratio Lower Upper
 146 100
 111 37.7 31.6 47.4
 148 63.4 52.2 78.4

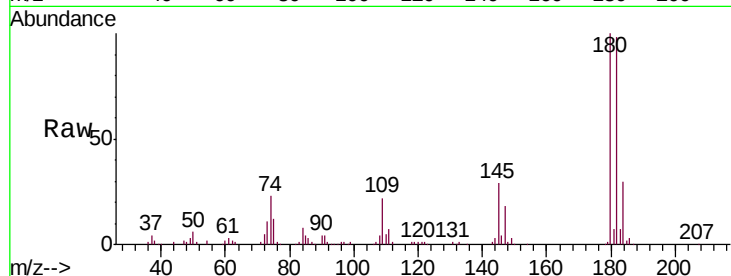




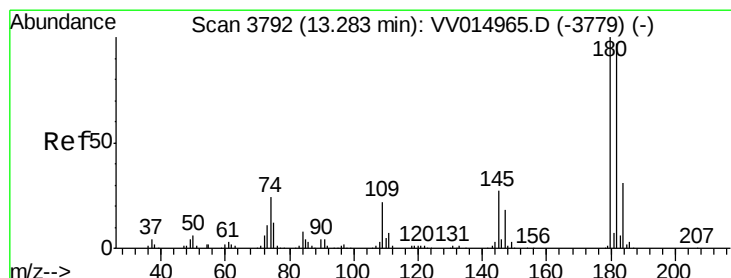
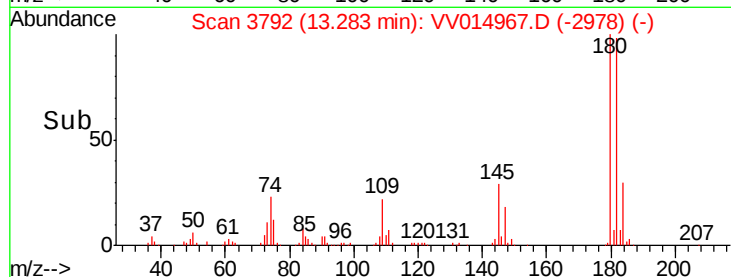
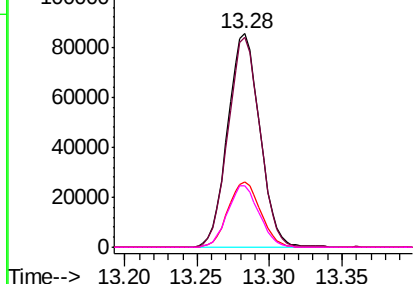
#67
 1,3,5-Trichlorobenzene
 Concen: 28.953 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.62 min
 Lab File: VV014967.D
 Acq: 17 Mar 2020 12:34

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DD1DL

Tgt Ion:180 Resp: 131820
 Ion Ratio Lower Upper
 180 100
 182 96.9 75.7 113.5
 184 30.9 24.2 36.4
 145 28.4 22.0 33.0

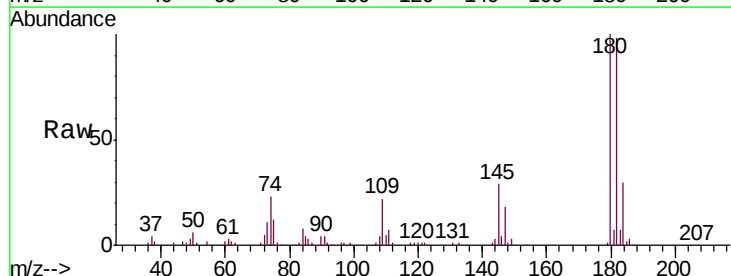


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

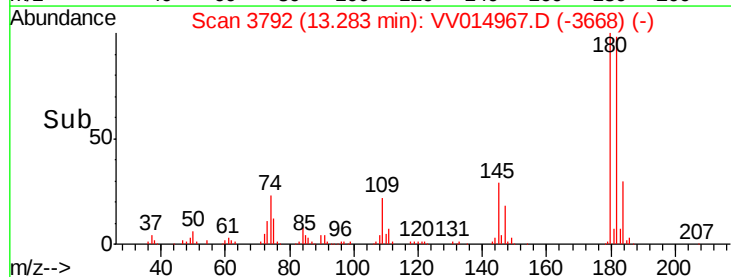
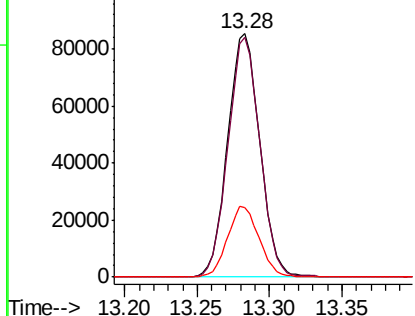


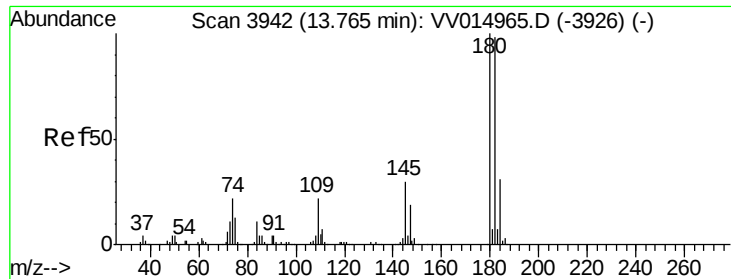
#68
 1,2,4-trichlorobenzene
 Concen: 32.484 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV014967.D
 Acq: 17 Mar 2020 12:34

Tgt Ion:180 Resp: 131820
 Ion Ratio Lower Upper
 180 100
 182 96.9 76.3 114.5
 145 28.4 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





#70
 1,2,3-Trichlorobenzene
 Concen: 8.143 ug/L
 RT: 13.77 min Scan# 3942
 Delta R.T. 0.00 min
 Lab File: VV014967.D
 Acq: 17 Mar 2020 12:34

Instrument :
 MSVOA_V
 ClientSampleId :
 C0DD1DL

Tgt Ion:	180	Resp:	32711
Ion	Ratio	Lower	Upper
180	100		
182	98.9	76.2	114.4
145	32.0	24.1	36.1

