

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040120\
 Data File : VV015358.D
 Acq On : 02 Apr 2020 04:37
 Operator : SY/MD
 Sample : L2064-01
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 02 06:42:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM040120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 02 06:34:01 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	735908	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	696762	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	315738	50.00	ug/L	0.00

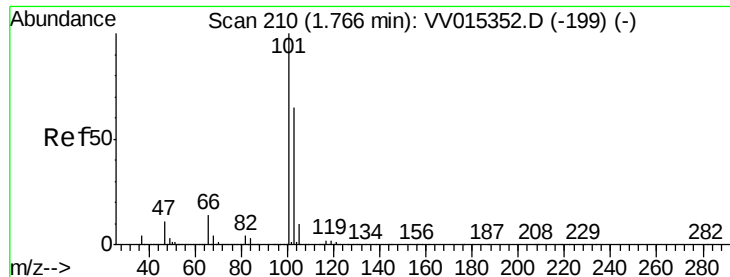
System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	236397	35.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	71.64%
7) Chloroethane-d5	1.58	69	212842	37.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	75.52%
11) 1,1-Dichloroethene-d2	2.12	63	365952	31.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.06%
21) 2-Butanone-d5	3.94	46	295728	84.32	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	84.32%
24) Chloroform-d	4.38	84	433455	39.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	79.58%
26) 1,2-Dichloroethane-d4	5.06	65	281748	41.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.04%
32) Benzene-d6	5.08	84	906216	42.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.46%
36) 1,2-Dichloropropane-d6	6.10	67	269306	42.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.14%
41) Toluene-d8	7.34	98	878982	42.84	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.68%
43) trans-1,3-Dichloropropene-	7.64	79	135455	38.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.50%
47) 2-Hexanone-d5	8.12	63	231570	80.15	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	80.15%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	377483	41.94	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	83.88%
64) 1,2-Dichlorobenzene-d4	11.65	152	325657	45.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.68%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Trichlorofluoromethane	1.77	101	38201	3.076	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	4024	0.725	ug/L #	27
20) cis-1,2-Dichloroethene	3.94	96	9307	1.618	ug/L #	98
25) Chloroform	4.41	83	10731	1.082	ug/L	91
34) Trichloroethene	5.94	95	188616	34.541	ug/L	98
46) Tetrachloroethene	8.00	164	86906	22.199	ug/L	98
48) 2-Hexanone	8.12	43	27680	5.137	ug/L #	82
51) Chlorobenzene	8.91	112	9592	0.639	ug/L	94
59) 1,2,3-Trichloropropane	11.27	75	41314	6.045	ug/L	93
63) 1,4-Dichlorobenzene	11.30	146	10657	0.989	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	7717	0.712	ug/L #	75

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

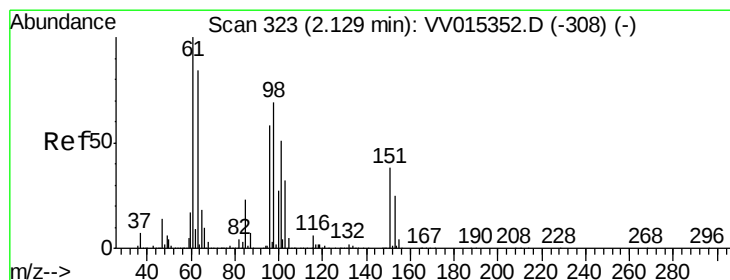
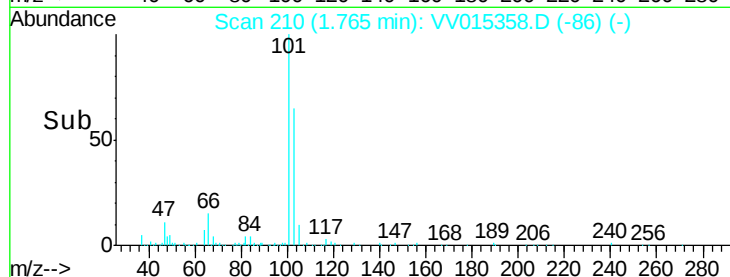
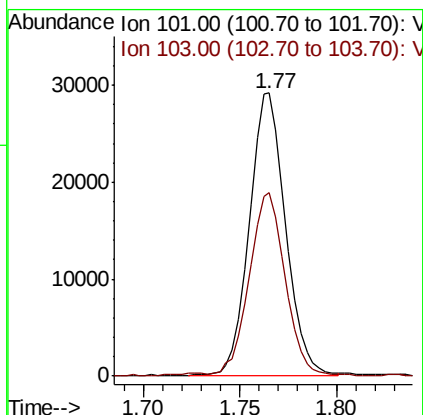
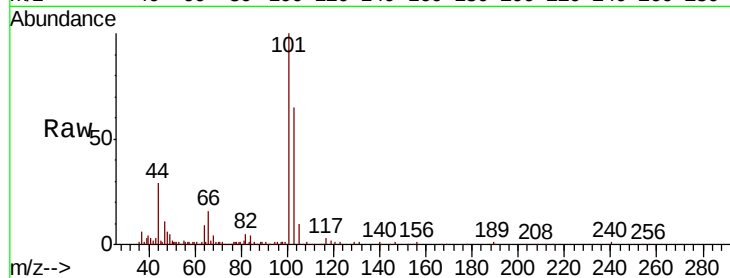


#9

Trichlorofluoromethane
Concen: 3.076 ug/L
RT: 1.77 min Scan# 210
Delta R.T. -0.00 min
Lab File: VV015358.D
Acq: 02 Apr 2020 04:37

Instrument :
MSVOA_V
ClientSampleId :

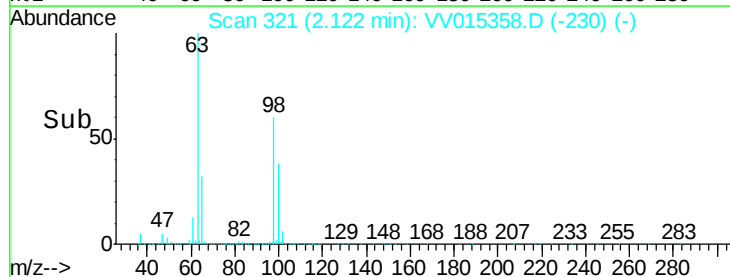
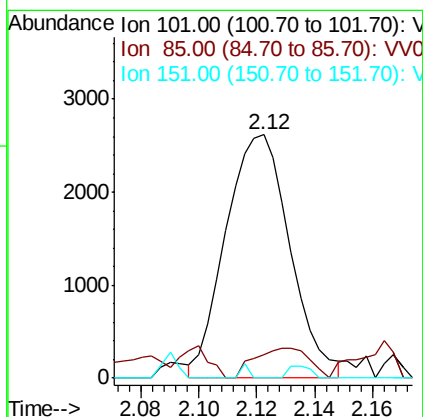
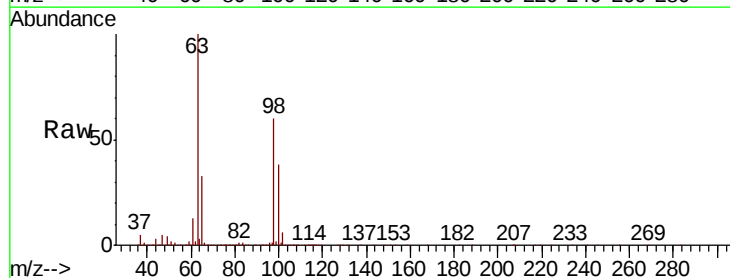
Tot Ion:101 Resp: 38201
Ion Ratio Lower Upper
101 100
103 64.4 52.3 78.5

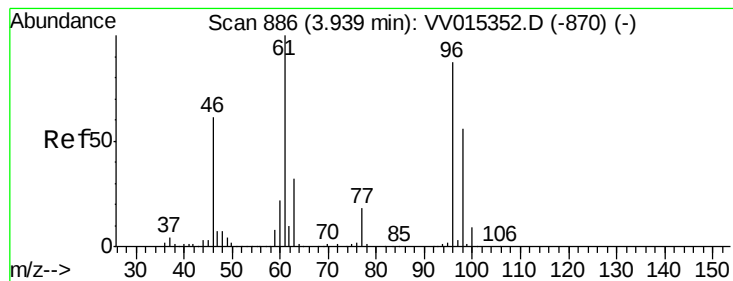


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.725 ug/L
RT: 2.12 min Scan# 321
Delta R.T. -0.01 min
Lab File: VV015358.D
Acq: 02 Apr 2020 04:37

Tgt Ion:101 Resp: 4024
Ion Ratio Lower Upper
101 100
85 10.5 36.1 54.1#
151 1.7 58.2 87.4#



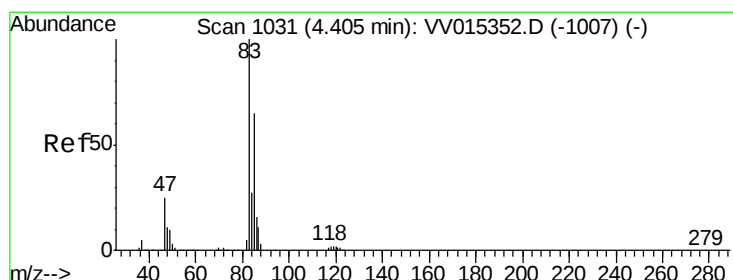
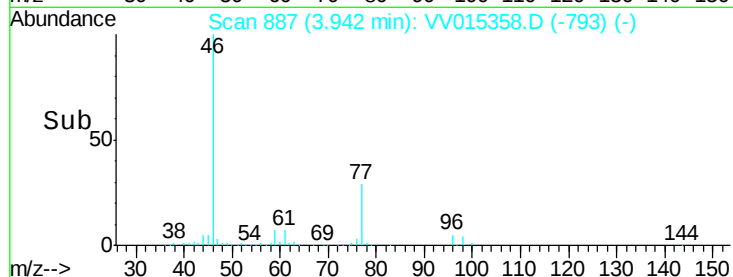
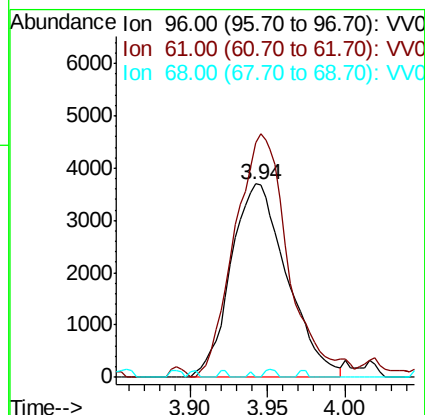
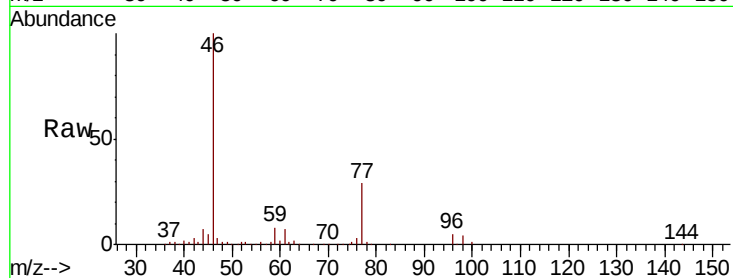


#20

cis-1,2-Dichloroethene
Concen: 1.618 ug/L
RT: 3.94 min Scan# 887
Delta R.T. 0.00 min
Lab File: VV015358.D
Acq: 02 Apr 2020 04:37

Instrument :
MSVOA_V
ClientSampleId :

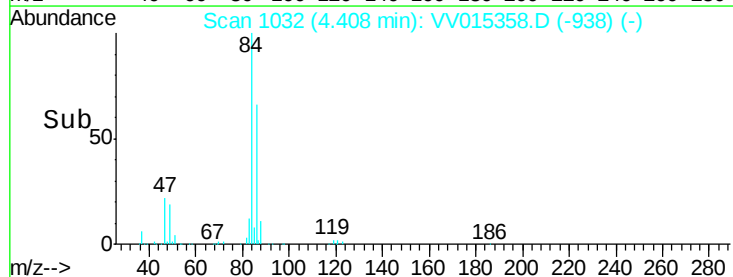
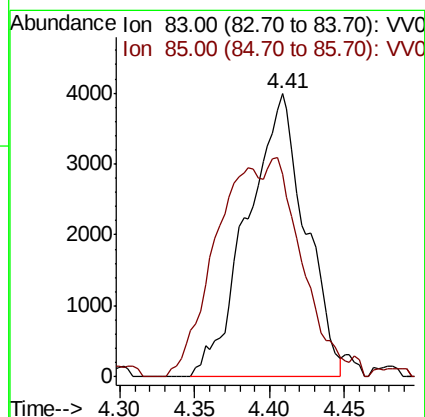
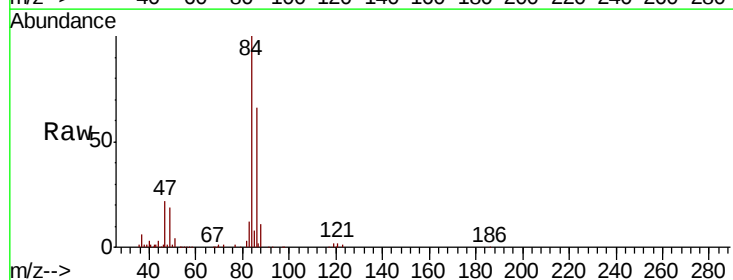
Tot Ion: 96 Resp: 9307
Ion Ratio Lower Upper
96 100
61 121.6 86.4 160.4
68 0.0 0.1 0.3#

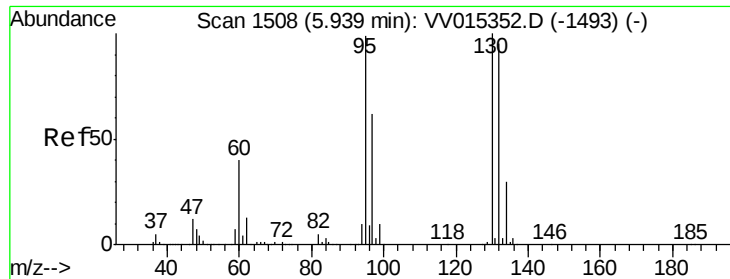


#25

Chloroform
Concen: 1.082 ug/L
RT: 4.41 min Scan# 1032
Delta R.T. 0.00 min
Lab File: VV015358.D
Acq: 02 Apr 2020 04:37

Tgt Ion: 83 Resp: 10731
Ion Ratio Lower Upper
83 100
85 71.8 45.1 83.9

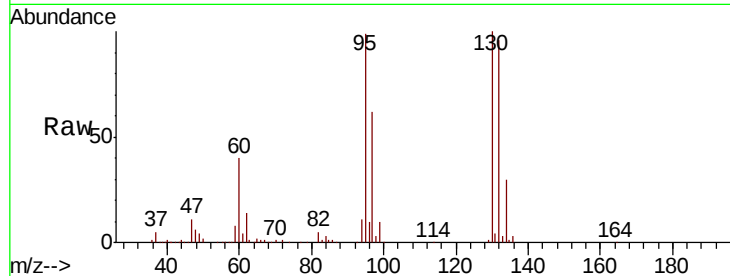




#34
 Trichloroethene
 Concen: 34.541 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. -0.00 min
 Lab File: VV015358.D
 Acq: 02 Apr 2020 04:37

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion:	95	Resp:	188616
Ion	Ratio	Lower	Upper
95	100		
97	62.7	45.4	84.2
132	96.5	66.8	124.2
130	100.6	69.4	128.8



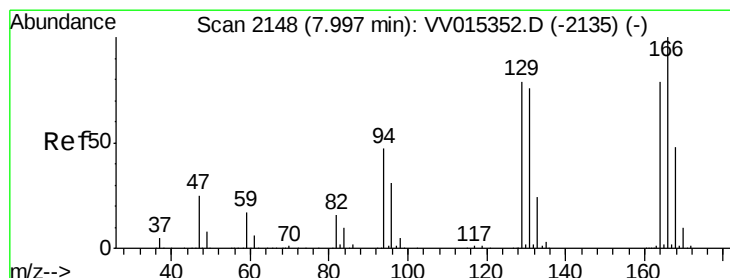
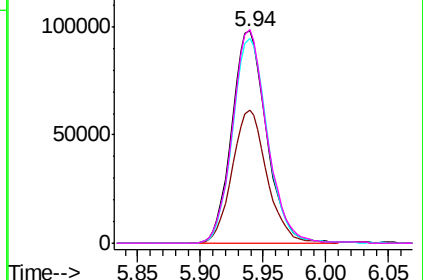
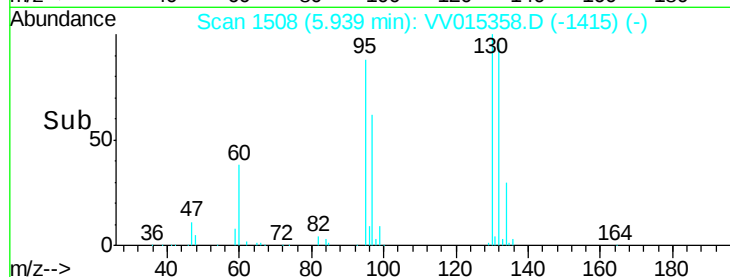
Abundance

Ion 95.00 (94.70 to 95.70): VV015358.D (-1415) (-)

Ion 97.00 (96.70 to 97.70): VV015358.D (-1415) (-)

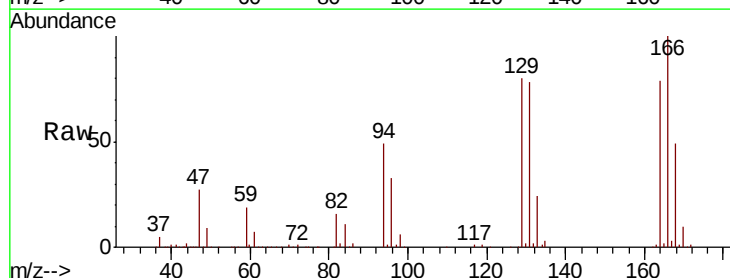
Ion 132.00 (131.70 to 132.70): VV015358.D (-1415) (-)

Ion 130.00 (129.70 to 130.70): VV015358.D (-1415) (-)



#46
 Tetrachloroethene
 Concen: 22.199 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.00 min
 Lab File: VV015358.D
 Acq: 02 Apr 2020 04:37

Tgt Ion:	164	Resp:	86906
Ion	Ratio	Lower	Upper
164	100		
129	100.5	73.8	137.0
131	98.4	69.4	129.0
166	126.3	89.7	166.7



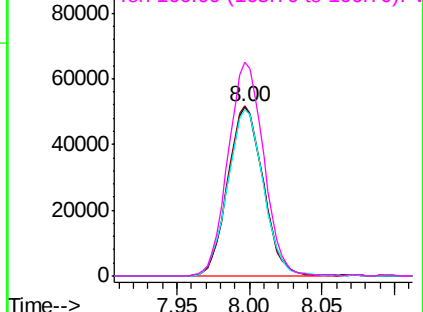
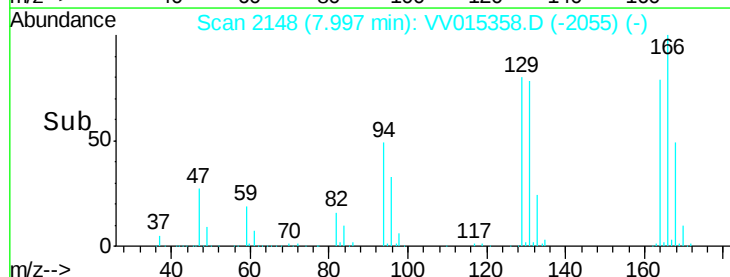
Abundance

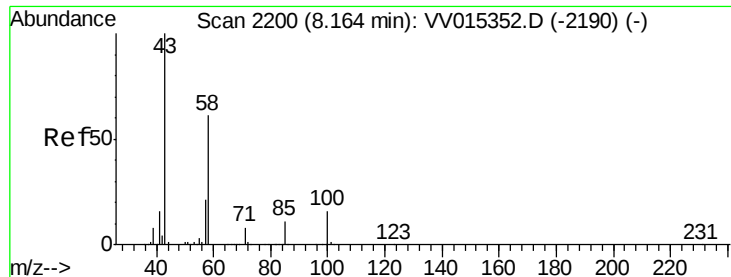
Ion 164.00 (163.70 to 164.70): VV015358.D (-2055) (-)

Ion 129.00 (128.70 to 129.70): VV015358.D (-2055) (-)

Ion 131.00 (130.70 to 131.70): VV015358.D (-2055) (-)

Ion 166.00 (165.70 to 166.70): VV015358.D (-2055) (-)

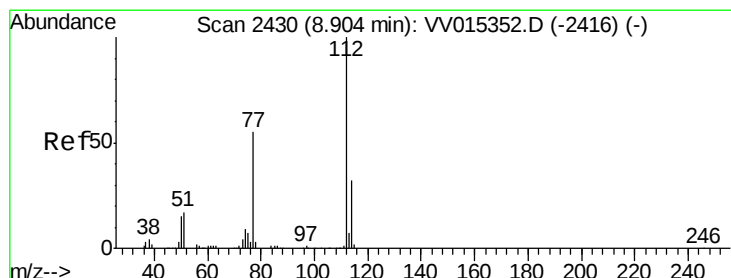
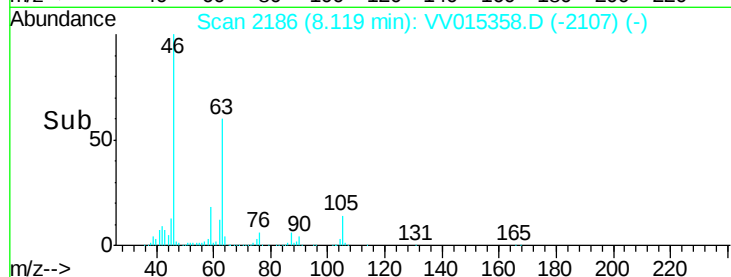
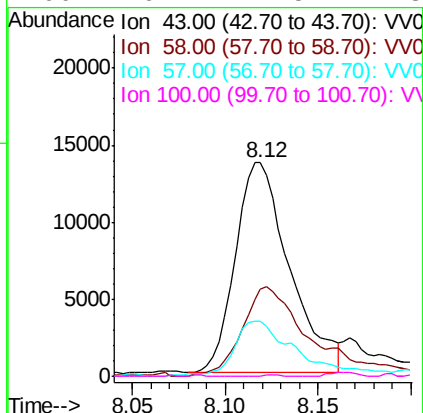
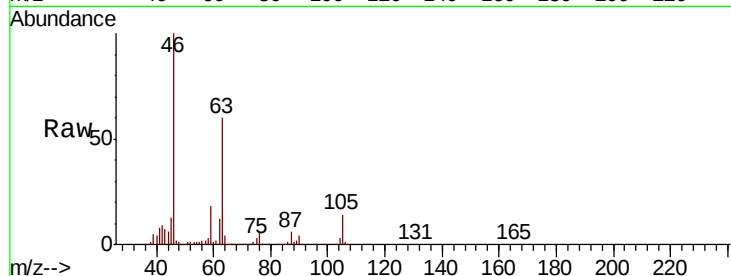




#48
2-Hexanone
Concen: 5.137 ug/L
RT: 8.12 min Scan# 2186
Delta R.T. -0.05 min
Lab File: VV015358.D
Acq: 02 Apr 2020 04:37

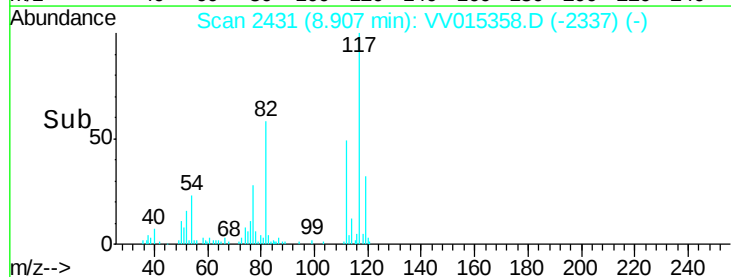
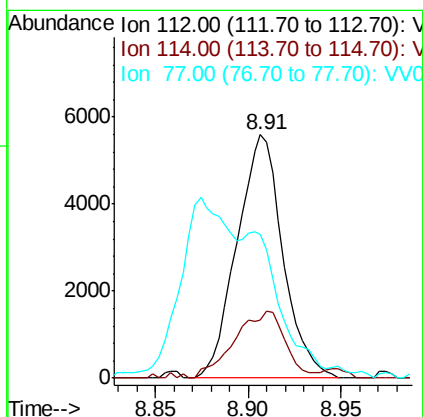
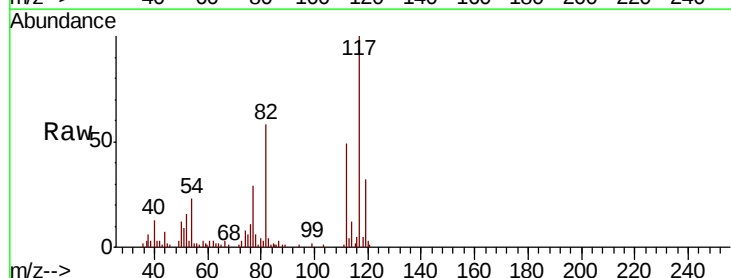
Instrument :
MSVOA_V
ClientSampleId :

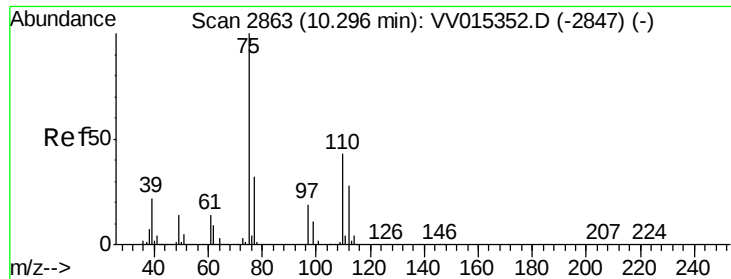
Tot Ion: 43 Resp: 27680
Ion Ratio Lower Upper
43 100
58 44.5 47.4 71.2#
57 19.4 16.7 25.1
100 0.2 11.5 17.3#



#51
Chlorobenzene
Concen: 0.639 ug/L
RT: 8.91 min Scan# 2431
Delta R.T. 0.00 min
Lab File: VV015358.D
Acq: 02 Apr 2020 04:37

Tgt Ion: 112 Resp: 9592
Ion Ratio Lower Upper
112 100
114 24.0 21.8 40.4
77 59.0 46.2 69.2

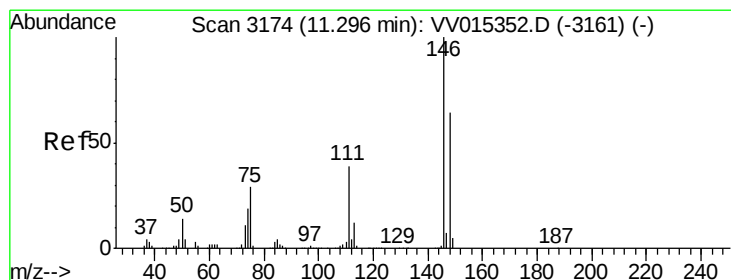
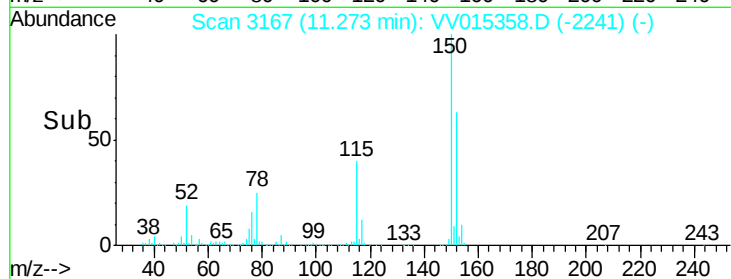
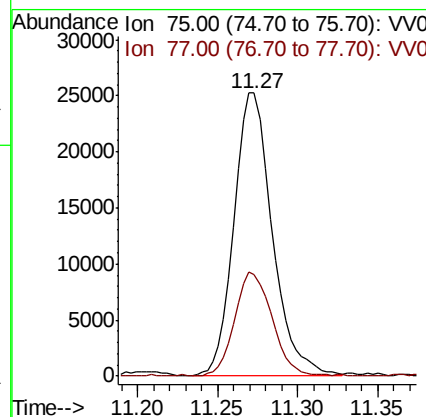
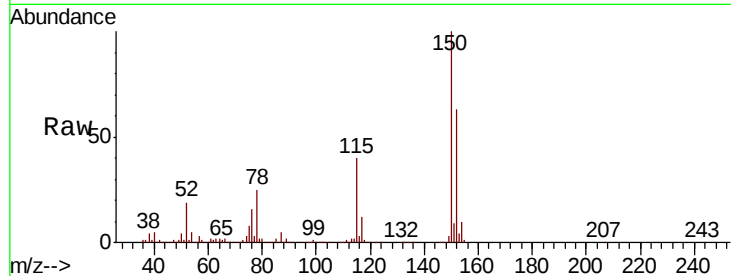




#59
 1,2,3-Trichloropropane
 Concen: 6.045 ug/L
 RT: 11.27 min Scan# 3167
 Delta R.T. 0.98 min
 Lab File: VV015358.D
 Acq: 02 Apr 2020 04:37

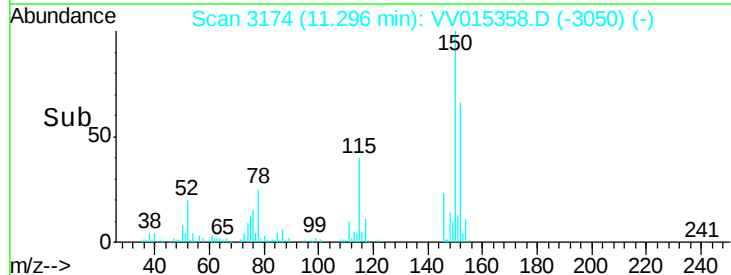
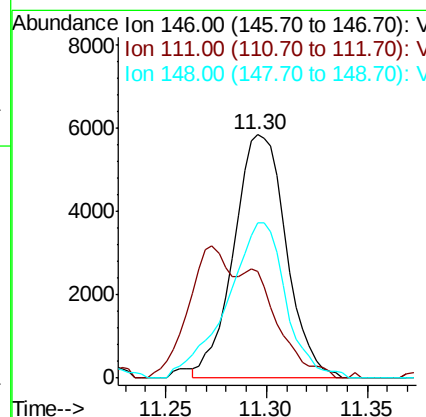
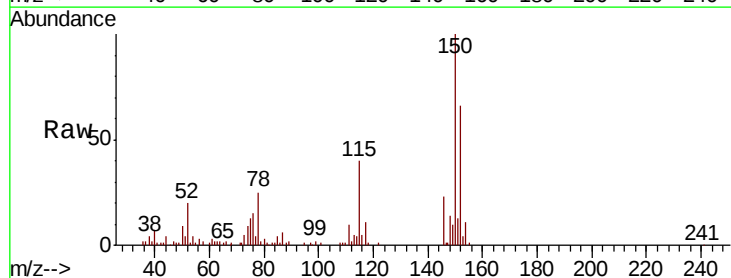
Instrument :
 MSVOA_V
 ClientSampled :

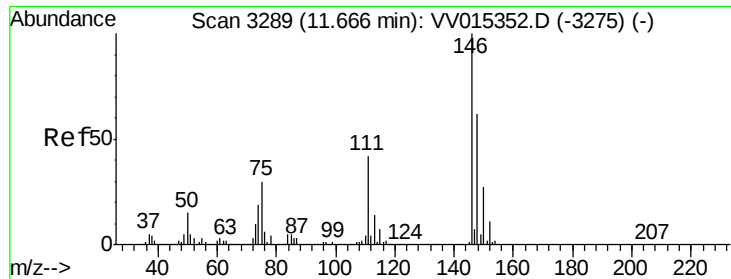
Tot Ion: 75 Resp: 41314
 Ion Ratio Lower Upper
 75 100
 77 35.7 25.4 38.0



#63
 1,4-Dichlorobenzene
 Concen: 0.989 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. -0.00 min
 Lab File: VV015358.D
 Acq: 02 Apr 2020 04:37

Tgt Ion: 146 Resp: 10657
 Ion Ratio Lower Upper
 146 100
 111 44.0 29.3 54.5
 148 63.7 44.7 82.9

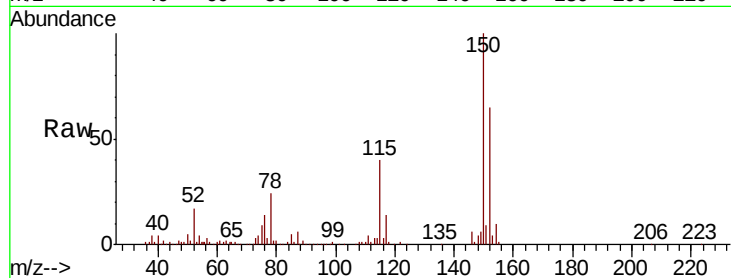




#65
 1,2-Dichlorobenzene
 Concen: 0.712 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV015358.D
 Acq: 02 Apr 2020 04:37

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	72.7	35.1	52.7#
148	72.8	51.0	76.4



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

