

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032520\
 Data File : VV015126.D
 Acq On : 25 Mar 2020 03:59
 Operator : SY/MD
 Sample : VSTD00561
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 25 06:47:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032520WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 25 06:43:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	575107	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	528508	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	234186	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	23883	4.52	ug/L	0.00
7) Chloroethane-d5	1.58	69	25789	5.56	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	44075	4.92	ug/L	0.00
21) 2-Butanone-d5	3.96	46	12259	3.39	ug/L	0.02
24) Chloroform-d	4.38	84	44347	5.35	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	29992	5.59	ug/L	0.00
32) Benzene-d6	5.07	84	80350	4.89	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	27832	5.13	ug/L	0.00
41) Toluene-d8	7.34	98	71447	4.77	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.65	79	15420	5.40	ug/L	0.00
47) 2-Hexanone-d5	8.12	63	27161	9.74	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	42510	5.49	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	27585	5.16	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	15678	3.789 ug/L	100
3) Chloromethane	1.25	50	29099	4.960 ug/L	95
5) Vinyl chloride	1.32	62	24189	4.440 ug/L	87
6) Bromomethane	1.53	94	18066	5.244 ug/L	96
8) Chloroethane	1.60	64	25110	5.884 ug/L	93
9) Trichlorofluoromethane	1.77	101	28451	4.251 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	14747	4.395 ug/L	95
12) 1,1-Dichloroethene	2.13	96	17943	4.773 ug/L	95
13) Acetone	2.22	43	16239	5.792 ug/L	94
14) Carbon disulfide	2.31	76	50690	5.261 ug/L	99
16) Methylene chloride	2.52	84	23400	5.142 ug/L	98
17) trans-1,2-Dichloroethene	2.78	96	17742	4.758 ug/L	98
18) Methyl tert-butyl Ether	2.79	73	73051	5.012 ug/L	98
19) 1,1-Dichloroethane	3.21	63	38209	5.020 ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	8193	1.849 ug/L	# 93
22) 2-Butanone	4.04	43	7240	1.873 ug/L	# 96
23) Bromochloromethane	4.28	128	12344	5.482 ug/L	95
25) Chloroform	4.40	83	38962	5.095 ug/L	93
27) 1,2-Dichloroethane	5.16	62	30676	4.985 ug/L	99
29) Cyclohexane	4.70	56	20587	3.691 ug/L	98
30) 1,1,1-Trichloroethane	4.63	97	25524	4.102 ug/L	# 84
31) Carbon tetrachloride	4.85	117	21416	4.160 ug/L	95
33) Benzene	5.12	78	75629	4.655 ug/L	100
34) Trichloroethene	5.94	95	17662	4.577 ug/L	96
35) Methylcyclohexane	6.15	83	20839	3.858 ug/L	100
37) 1,2-Dichloropropane	6.20	63	20539	4.672 ug/L	98
38) Bromodichloromethane	6.53	83	30428	4.996 ug/L	93
39) cis-1,3-Dichloropropene	7.05	75	32495	4.553 ug/L	94
40) 4-Methyl-2-pentanone	7.26	43	73184	9.954 ug/L	99
42) Toluene	7.41	91	74763	4.408 ug/L	97

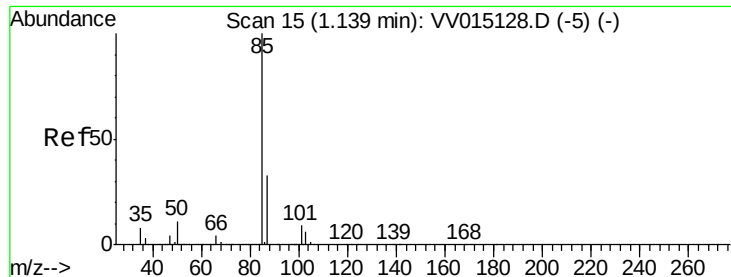
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032520\
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 Quant Title : VOC Analysis
 QLast Update : Wed Mar 25 06:43:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) trans-1,3-Dichloropropene	7.67	75	33616	5.009	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	22593	5.269	ug/L	97
46) Tetrachloroethene	8.00	164	11084	4.270	ug/L	92
48) 2-Hexanone	8.17	43	45895	8.133	ug/L	95
49) Dibromochloromethane	8.27	129	24745	5.064	ug/L	98
50) 1,2-Dibromoethane	8.37	107	24100	5.129	ug/L	94
51) Chlorobenzene	8.90	112	53221	4.880	ug/L	98
52) Ethylbenzene	9.03	91	77709	4.285	ug/L	98
53) m,p-Xylene	9.16	106	29916	4.340	ug/L	96
54) o-xylene	9.57	106	31971	4.451	ug/L	100
55) Styrene	9.58	104	55376	4.450	ug/L	99
56) Isopropylbenzene	9.95	105	72041	4.141	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	36392	4.968	ug/L	93
59) 1,2,3-Trichloropropane	10.30	75	29908	5.042	ug/L	100
61) Bromoform	9.75	173	16989	5.035	ug/L #	99
62) 1,3-Dichlorobenzene	11.20	146	36041	4.660	ug/L	99
63) 1,4-Dichlorobenzene	11.30	146	37462	4.795	ug/L	95
65) 1,2-Dichlorobenzene	11.67	146	40101	4.929	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	10109	5.257	ug/L	96
67) 1,3,5-Trichlorobenzene	12.67	180	22422	4.325	ug/L	94
68) 1,2,4-trichlorobenzene	13.29	180	24016	4.831	ug/L	98
69) Naphthalene	13.53	128	98613	7.892	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	23194	4.490	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 3.789 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV015126.D

Acq: 25 Mar 2020 03:59

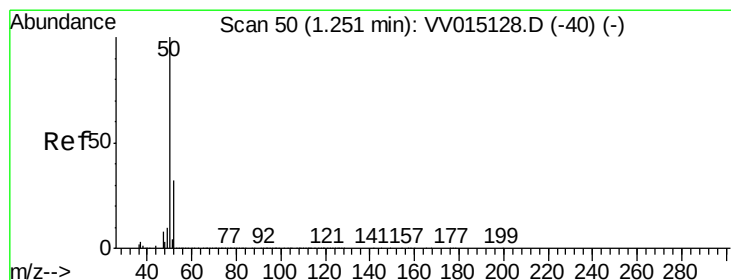
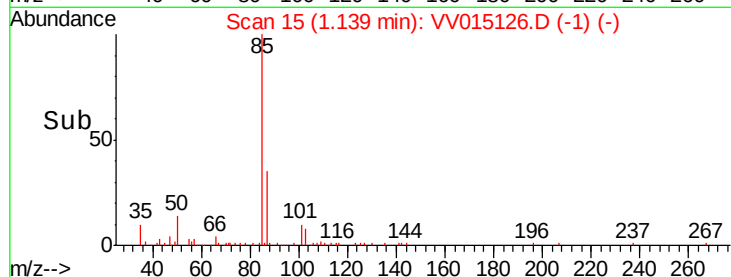
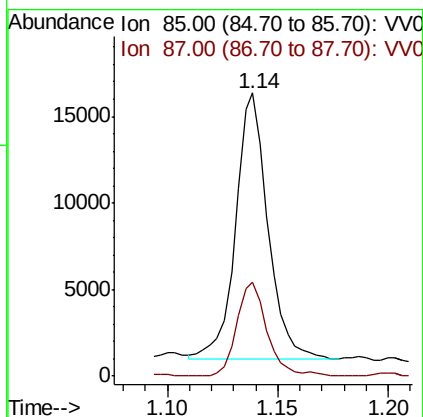
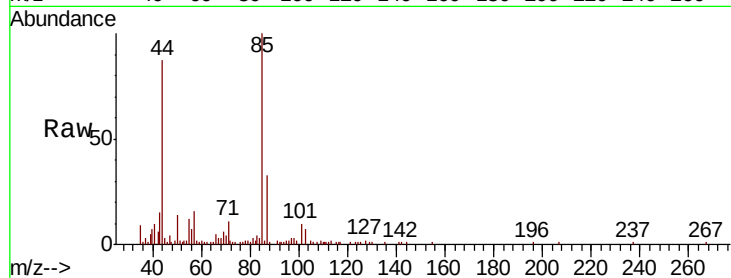
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 15678

Ion Ratio Lower Upper

85 100

87 32.6 26.2 39.2



#3

Chloromethane

Concen: 4.960 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV015126.D

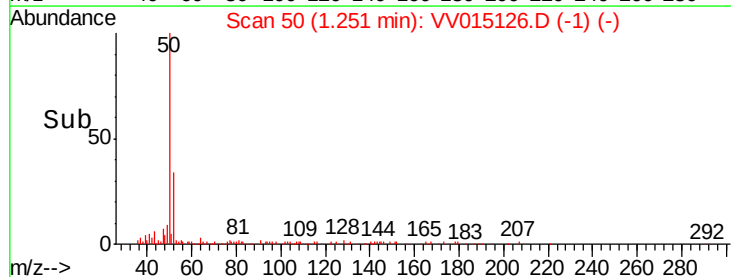
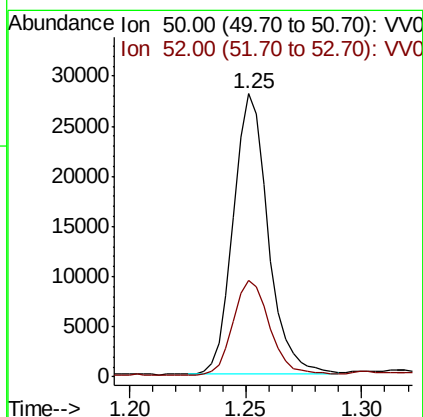
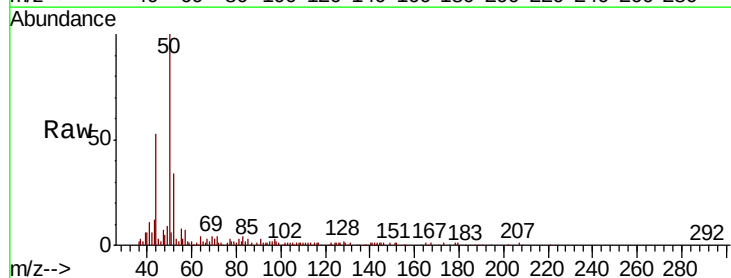
Acq: 25 Mar 2020 03:59

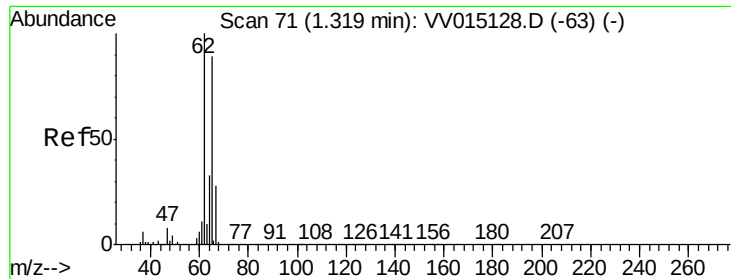
Tgt Ion: 50 Resp: 29099

Ion Ratio Lower Upper

50 100

52 34.2 22.1 41.1





#5

Vinyl chloride

Concen: 4.440 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV015126.D

Acq: 25 Mar 2020 03:59

Instrument :

MSVOA_V

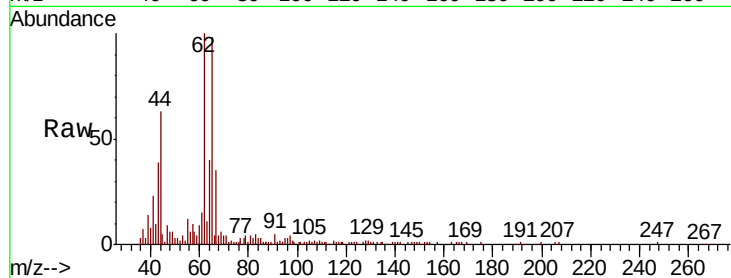
ClientSampleId :

Tot Ion: 62 Resp: 24189

Ion Ratio Lower Upper

62 100

64 40.4 23.2 43.2



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

25000

20000

15000

10000

5000

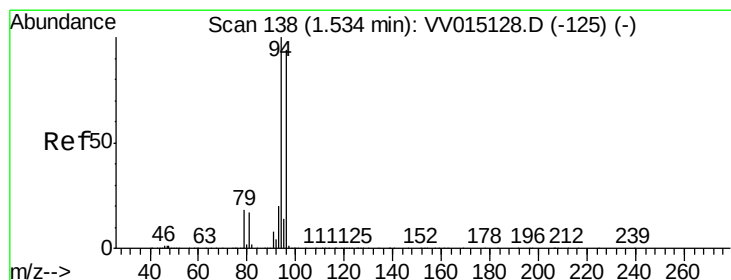
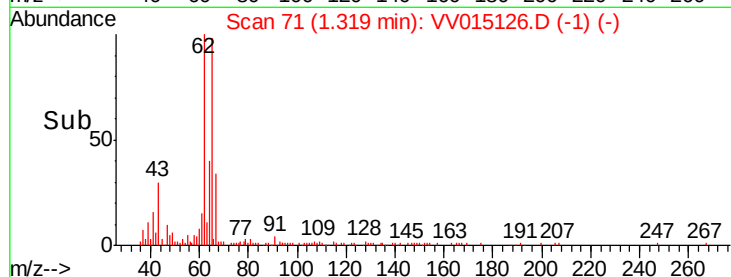
0

1.30

1.32

1.35

Time-->



#6

Bromomethane

Concen: 5.244 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV015126.D

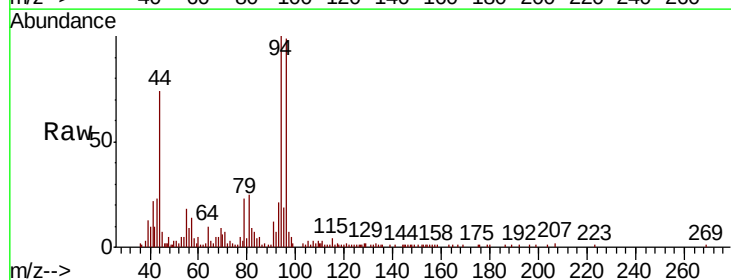
Acq: 25 Mar 2020 03:59

Tgt Ion: 94 Resp: 18066

Ion Ratio Lower Upper

94 100

96 98.6 66.1 122.8



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

15000

10000

5000

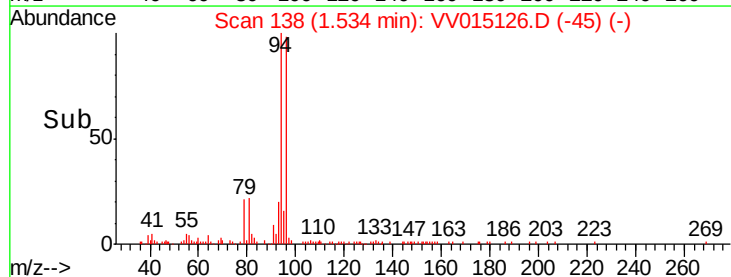
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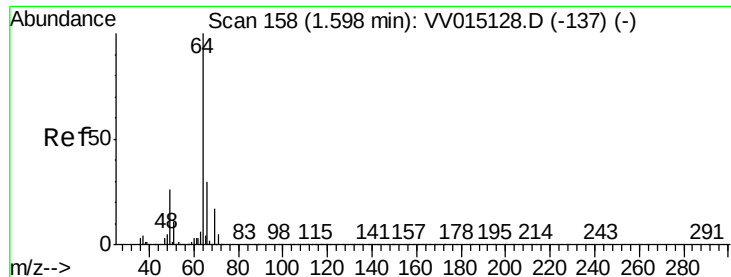
1.50

1.53

1.55

Time-->





#8

Chloroethane

Concen: 5.884 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV015126.D

Acq: 25 Mar 2020 03:59

Instrument :

MSVOA_V

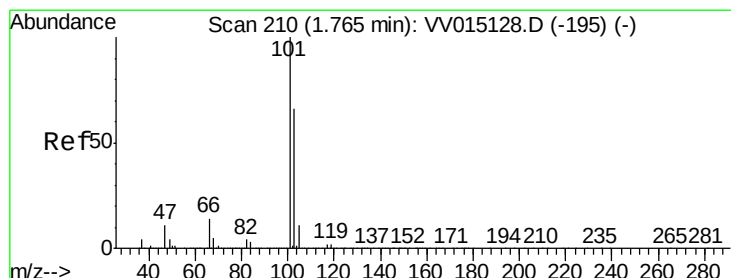
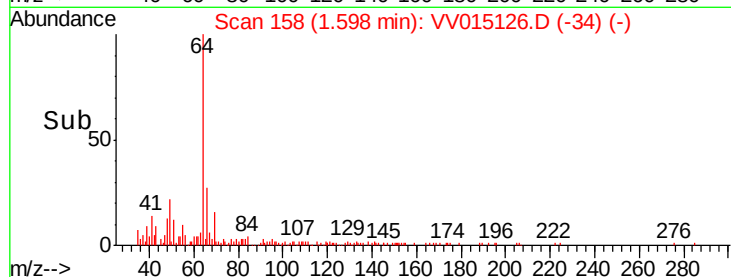
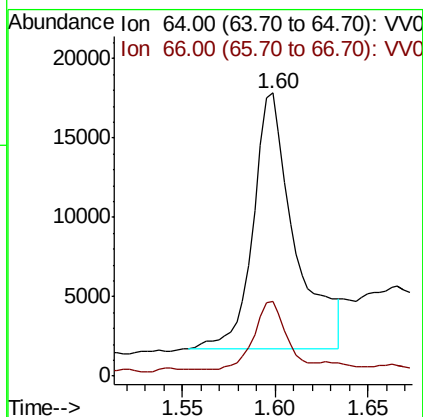
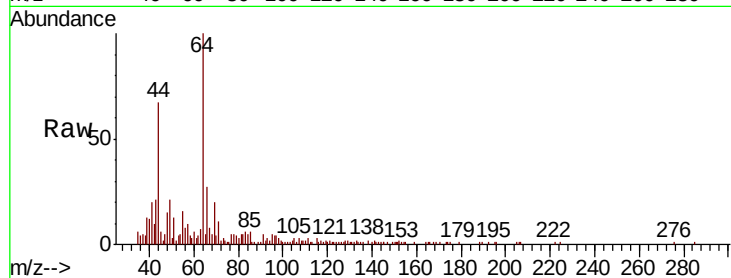
ClientSampleId :

Tot Ion: 64 Resp: 25110

Ion Ratio Lower Upper

64 100

66 26.5 21.2 39.4



#9

Trichlorofluoromethane

Concen: 4.251 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV015126.D

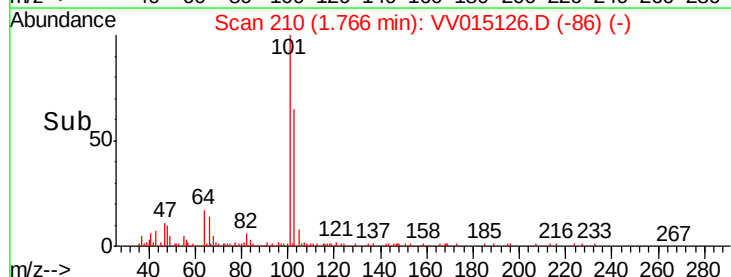
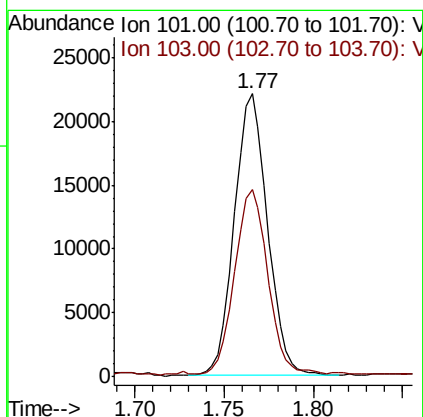
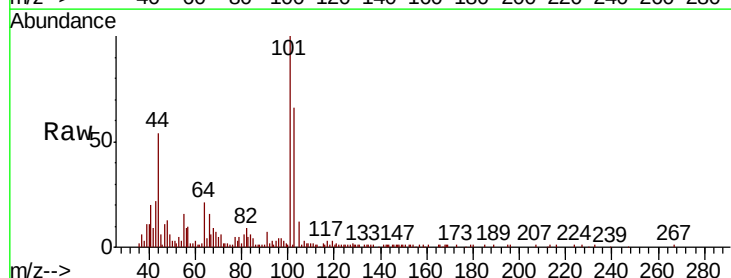
Acq: 25 Mar 2020 03:59

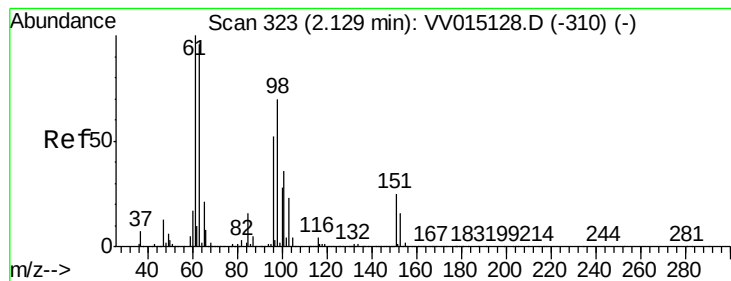
Tgt Ion: 101 Resp: 28451

Ion Ratio Lower Upper

101 100

103 64.8 52.8 79.2





#10

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

Concen: 4.395 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV015126.D

Acq: 25 Mar 2020 03:59

Instrument :

MSVOA_V

ClientSampled :

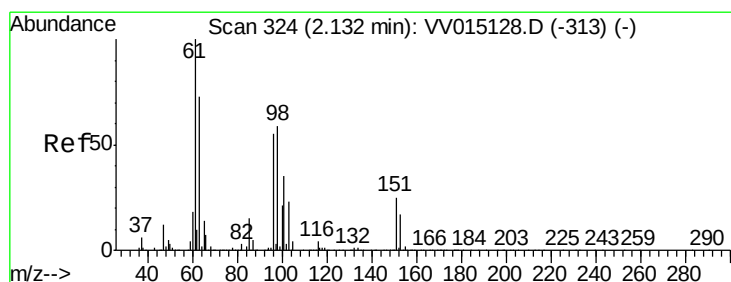
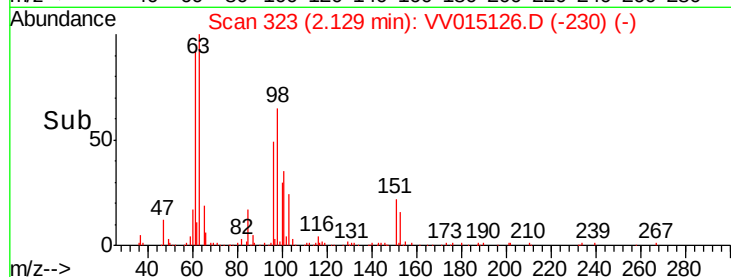
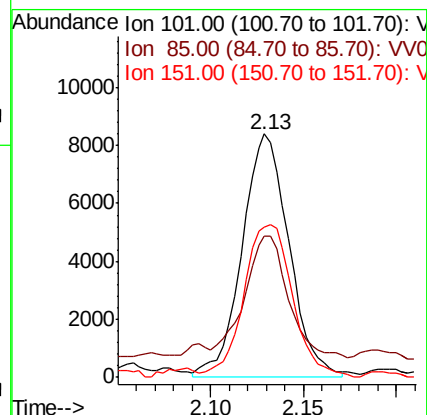
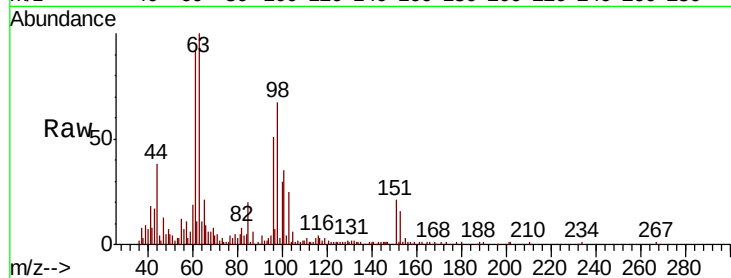
Tot Ion:101 Resp: 14747

Ion Ratio Lower Upper

101 100

85 46.0 36.0 54.0

151 65.4 56.7 85.1



#12

1,1-Dichloroethene

Concen: 4.773 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV015126.D

Acq: 25 Mar 2020 03:59

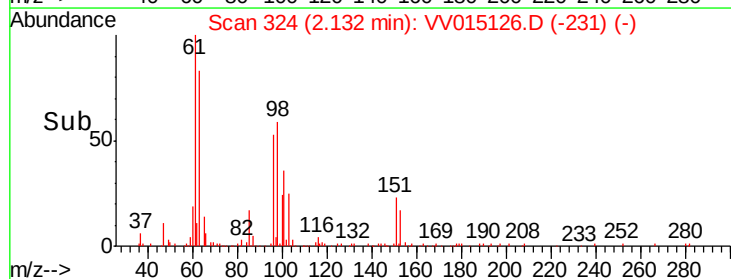
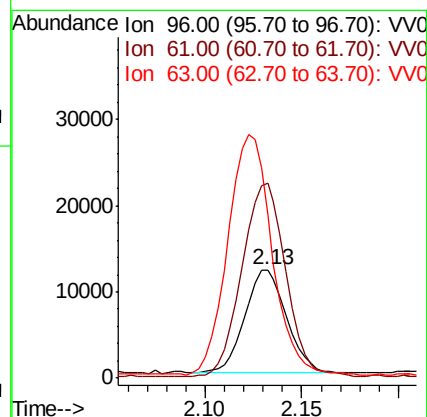
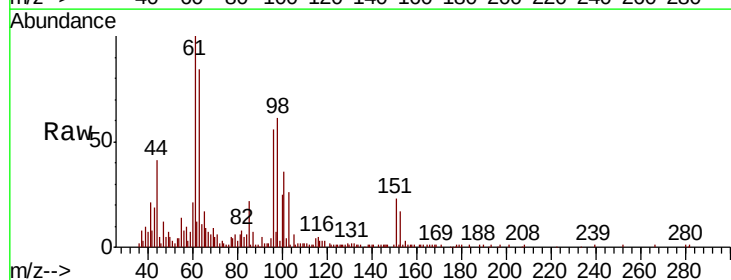
Tgt Ion: 96 Resp: 17943

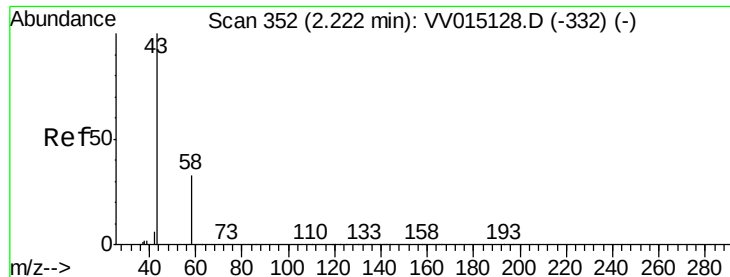
Ion Ratio Lower Upper

96 100

61 179.4 128.2 238.0

63 149.8 97.9 181.9





#13

Acetone

Concen: 5.792 ug/L

RT: 2.22 min Scan# 351

Delta R.T. -0.00 min

Lab File: VV015126.D

Acq: 25 Mar 2020 03:59

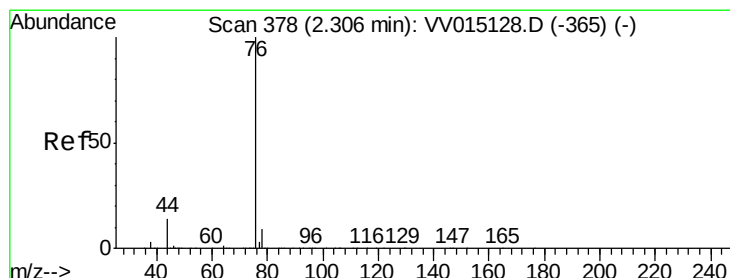
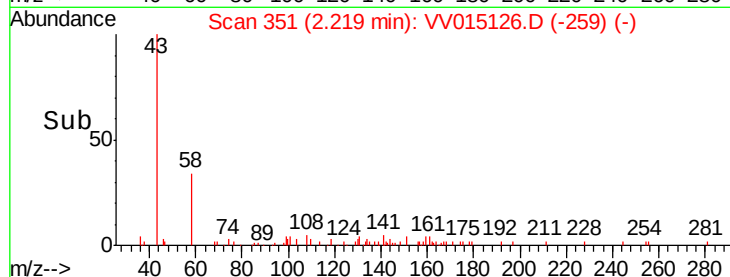
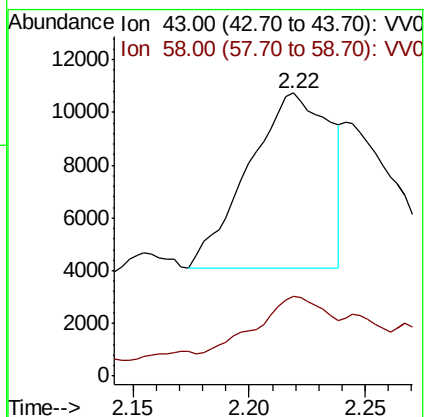
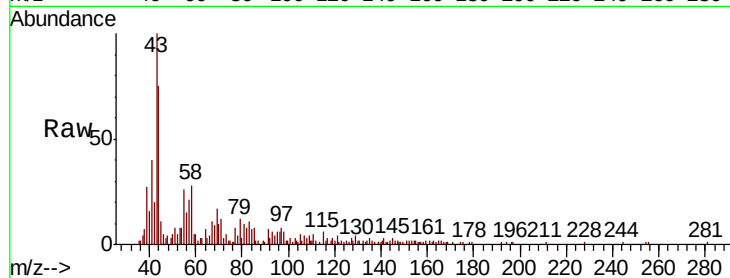
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 16239

Ion Ratio Lower Upper

43 100

58 27.4 0.0 61.6



#14

Carbon disulfide

Concen: 5.261 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VV015126.D

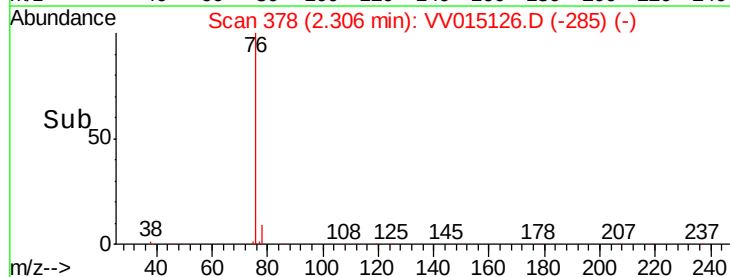
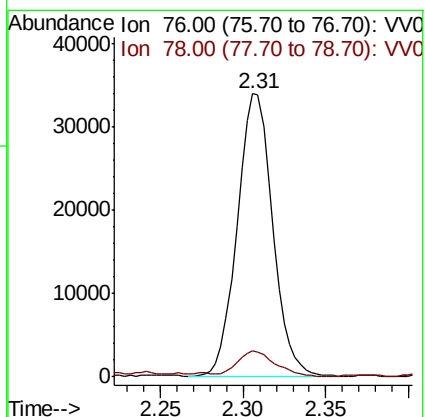
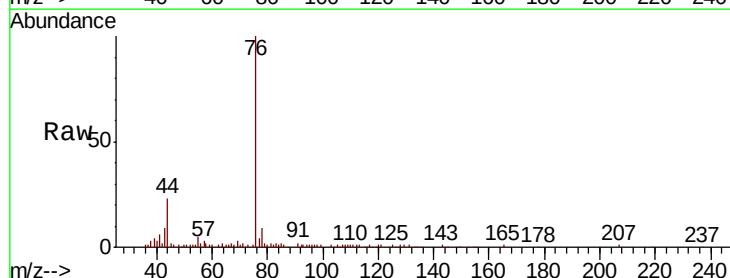
Acq: 25 Mar 2020 03:59

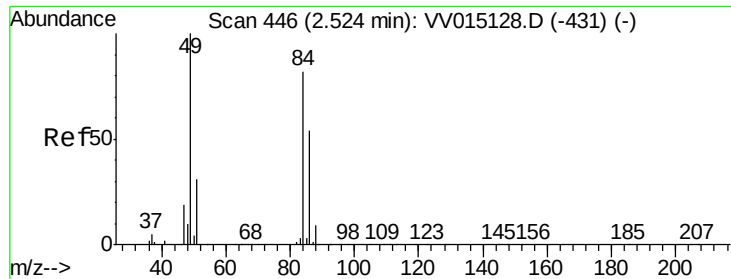
Tgt Ion: 76 Resp: 50690

Ion Ratio Lower Upper

76 100

78 9.2 7.5 11.3

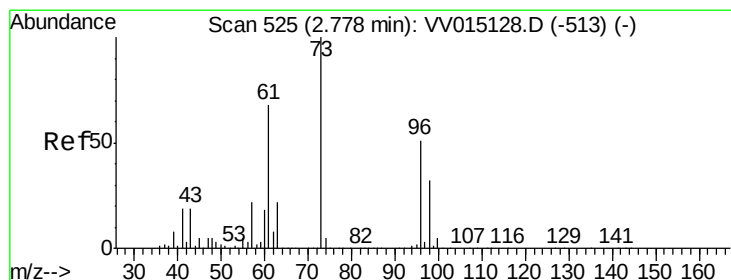
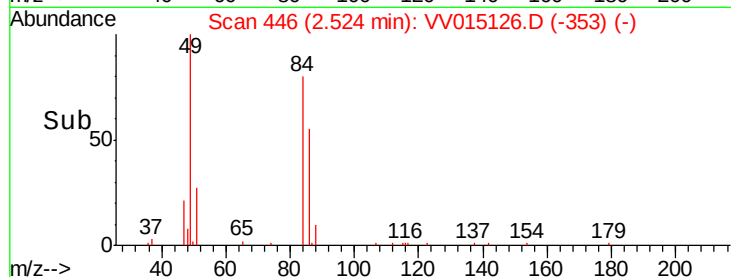
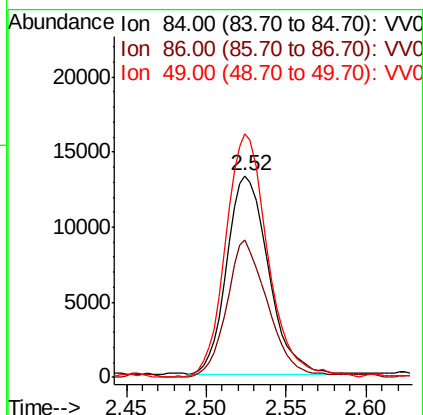
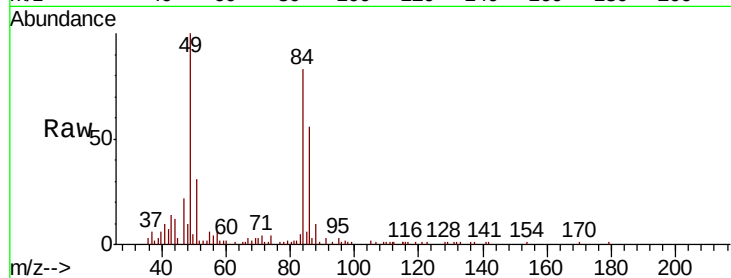




#16
Methylene chloride
Concen: 5.142 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV015126.D
Acq: 25 Mar 2020 03:59

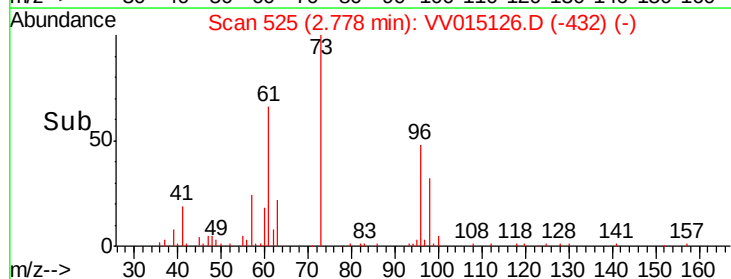
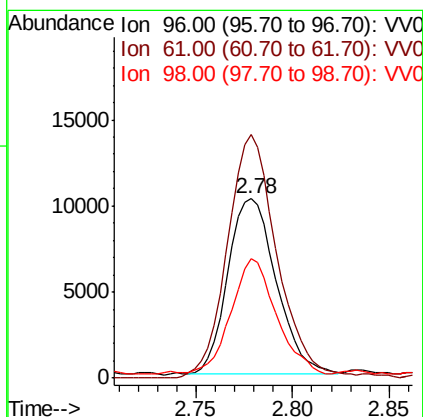
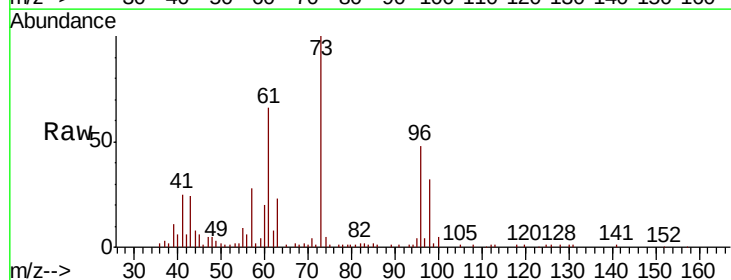
Instrument :
MSVOA_V
ClientSampleId :

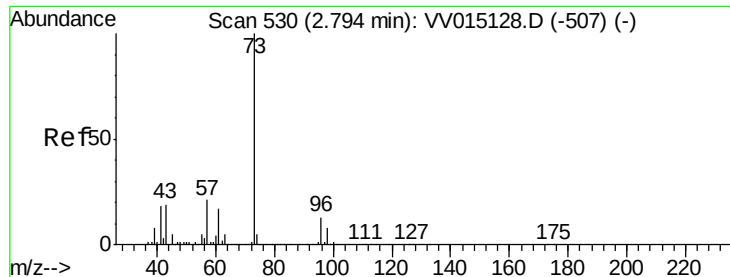
Tot Ion: 84 Resp: 23400
Ion Ratio Lower Upper
84 100
86 67.9 45.6 84.8
49 120.7 85.1 158.1



#17
trans-1,2-Dichloroethene
Concen: 4.758 ug/L
RT: 2.78 min Scan# 525
Delta R.T. 0.00 min
Lab File: VV015126.D
Acq: 25 Mar 2020 03:59

Tgt Ion: 96 Resp: 17742
Ion Ratio Lower Upper
96 100
61 135.8 93.8 174.2
98 66.9 44.7 83.1

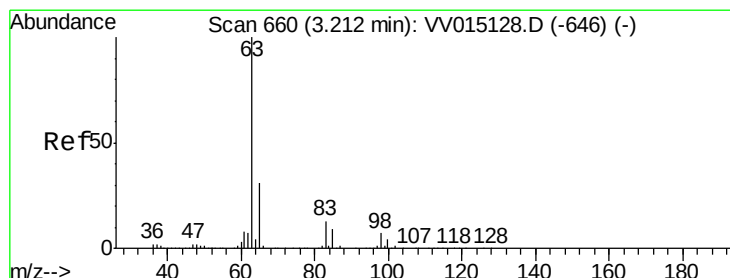
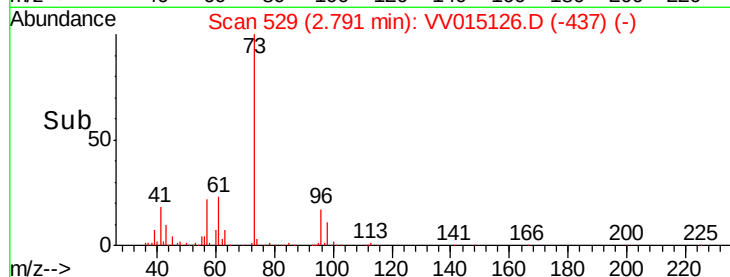
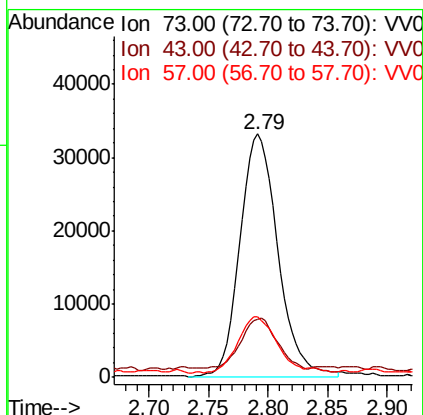
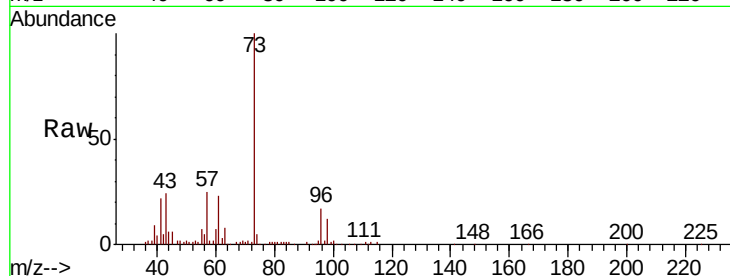




#18
Methyl tert-butyl Ether
Concen: 5.012 ug/L
RT: 2.79 min Scan# 529
Delta R.T. -0.00 min
Lab File: VV015126.D
Acq: 25 Mar 2020 03:59

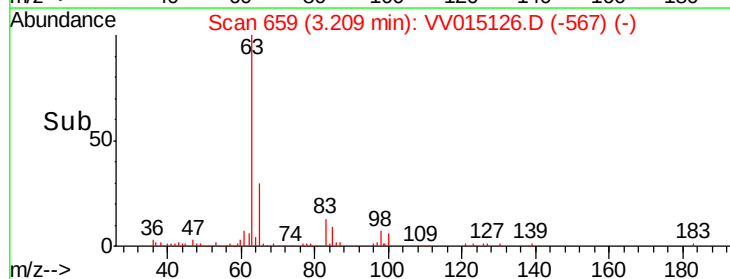
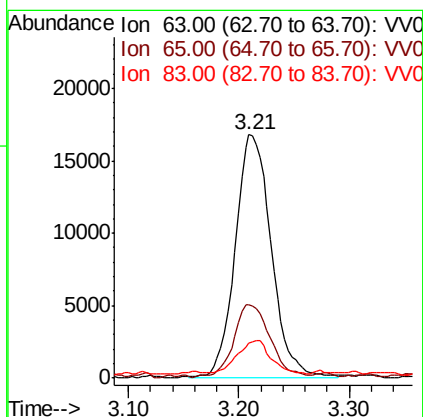
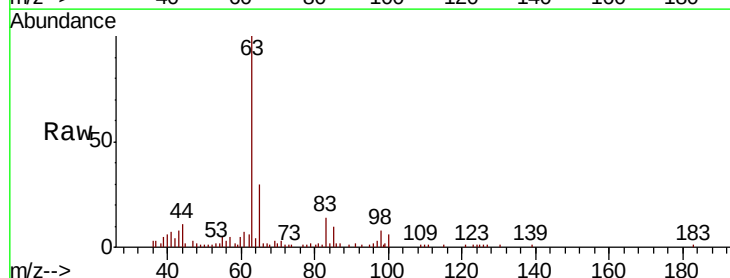
Instrument :
MSVOA_V
ClientSampleId :

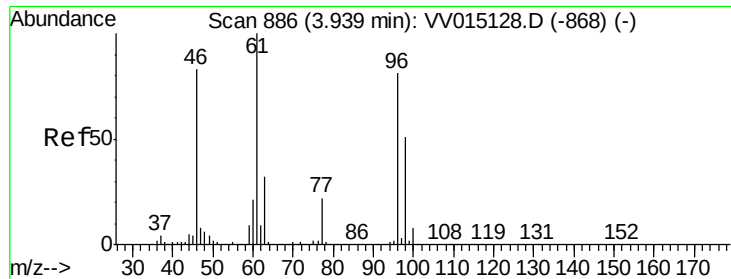
Tot Ion: 73 Resp: 73051
Ion Ratio Lower Upper
73 100
43 19.7 15.3 22.9
57 23.0 17.3 25.9



#19
1,1-Dichloroethane
Concen: 5.020 ug/L
RT: 3.21 min Scan# 659
Delta R.T. -0.00 min
Lab File: VV015126.D
Acq: 25 Mar 2020 03:59

Tgt Ion: 63 Resp: 38209
Ion Ratio Lower Upper
63 100
65 30.2 21.6 40.2
83 14.2 9.5 17.7



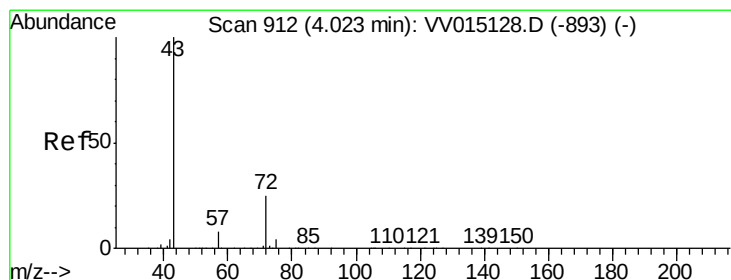
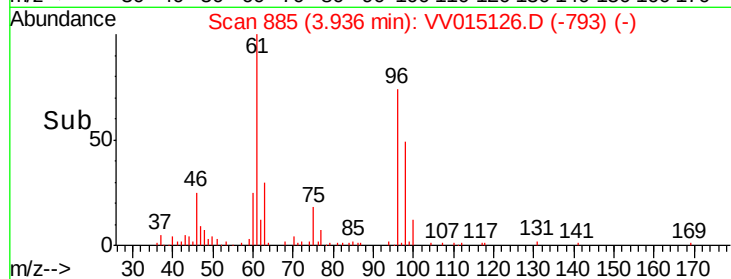
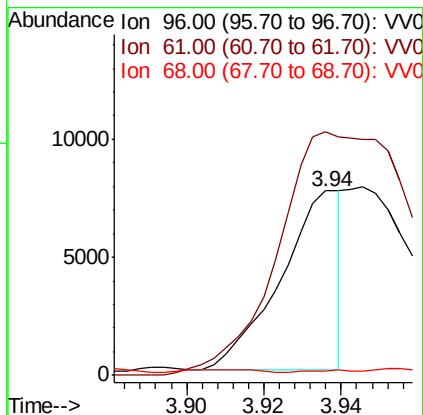
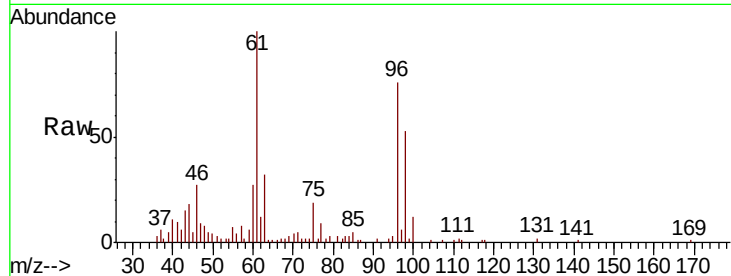


#20

cis-1,2-Dichloroethene
 Concen: 1.849 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. -0.00 min
 Lab File: VV015126.D
 Acq: 25 Mar 2020 03:59

Instrument :
 MSVOA_V
 ClientSampled :

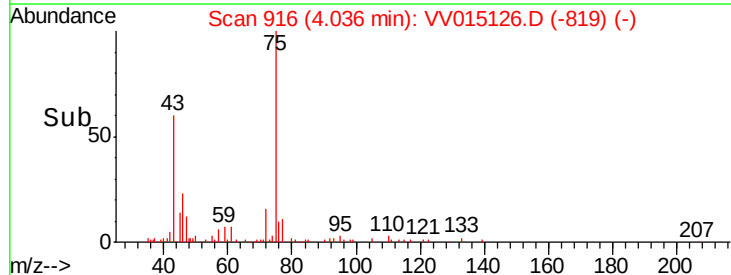
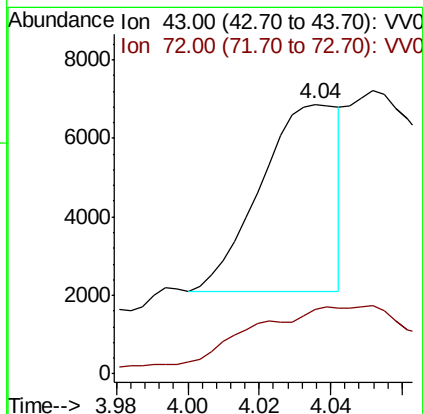
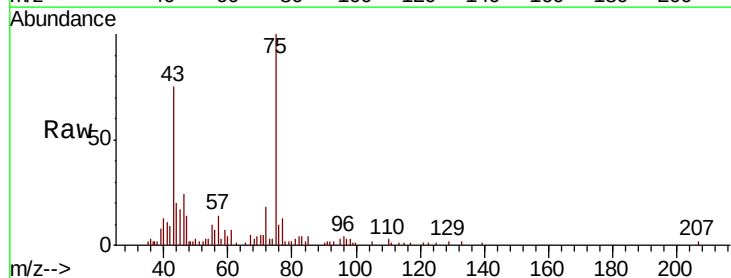
Tot Ion: 96 Resp: 8193
 Ion Ratio Lower Upper
 96 100
 61 131.9 86.7 160.9
 68 2.5 0.1 0.3#

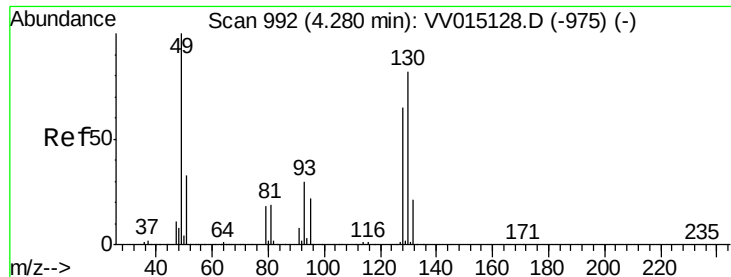


#22

2-Butanone
 Concen: 1.873 ug/L
 RT: 4.04 min Scan# 916
 Delta R.T. 0.01 min
 Lab File: VV015126.D
 Acq: 25 Mar 2020 03:59

Tgt Ion: 43 Resp: 7240
 Ion Ratio Lower Upper
 43 100
 72 4.1 0.1 0.5#

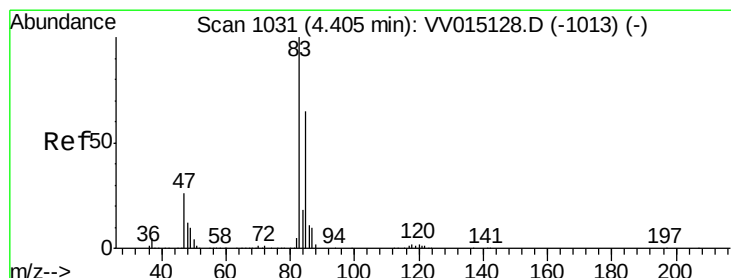
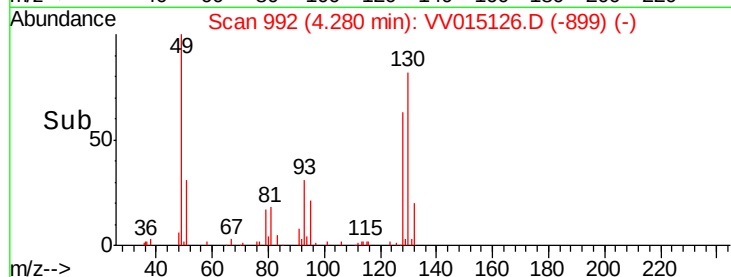
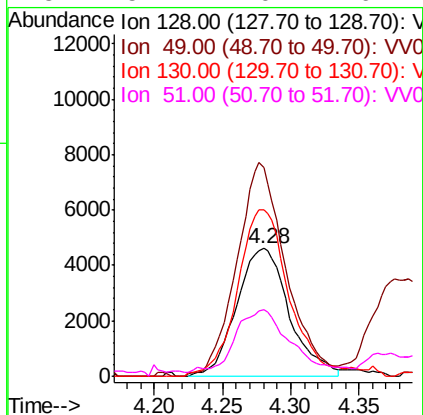
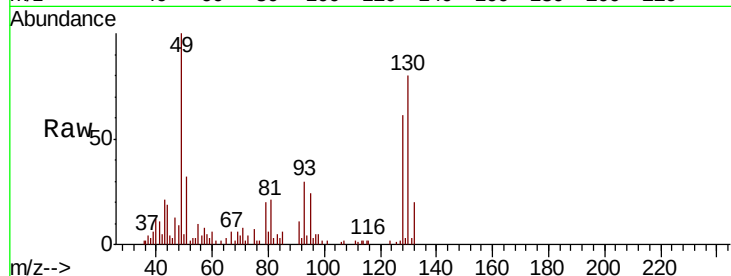




#23
 Bromochloromethane
 Concen: 5.482 ug/L
 RT: 4.28 min Scan# 992
 Delta R.T. 0.00 min
 Lab File: VV015126.D
 Acq: 25 Mar 2020 03:59

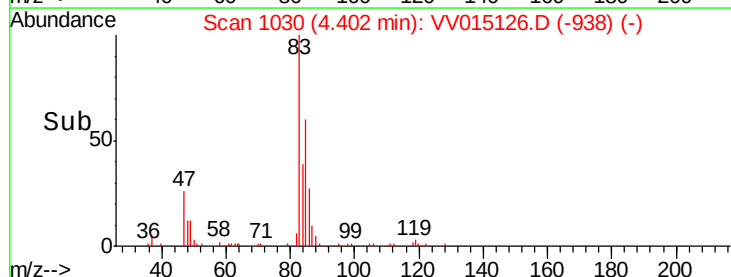
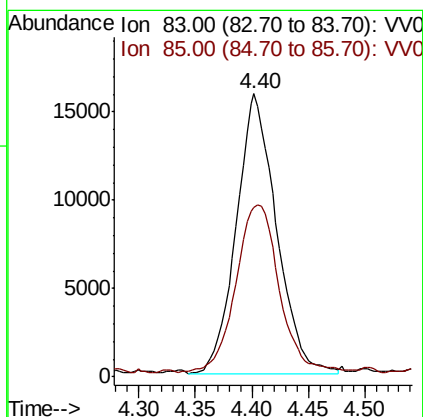
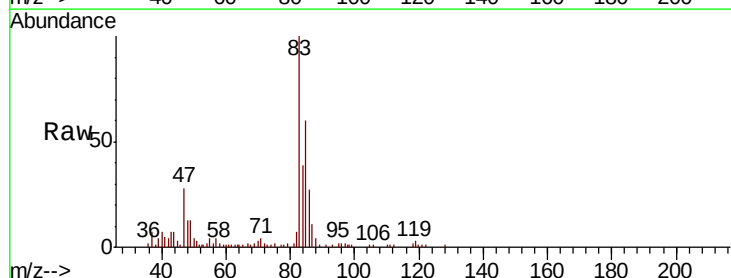
Instrument :
 MSVOA_V
 ClientSampled :

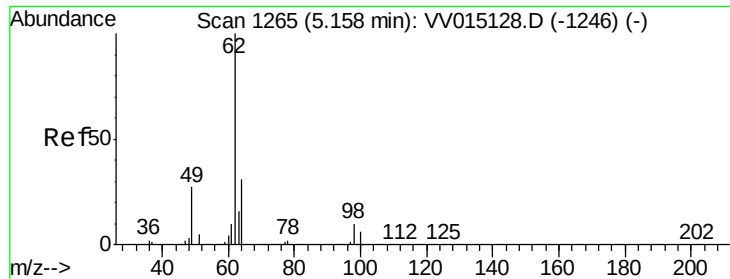
Tot Ion:128	Resp:	12344
Ion Ratio	Lower	Upper
128 100		
49 163.2	107.9	200.5
130 129.8	88.2	163.8
51 52.1	40.7	61.1



#25
 Chloroform
 Concen: 5.095 ug/L
 RT: 4.40 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VV015126.D
 Acq: 25 Mar 2020 03:59

Tgt Ion: 83	Resp:	38962
Ion Ratio	Lower	Upper
83 100		
85 60.0	45.7	84.9

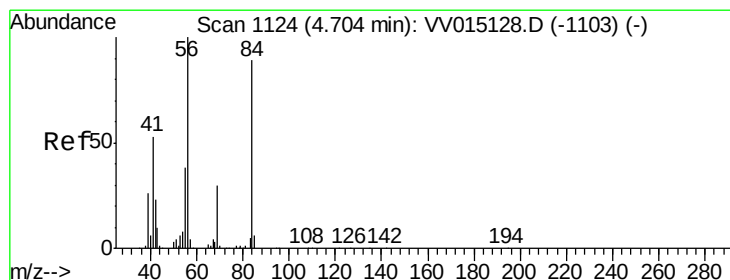
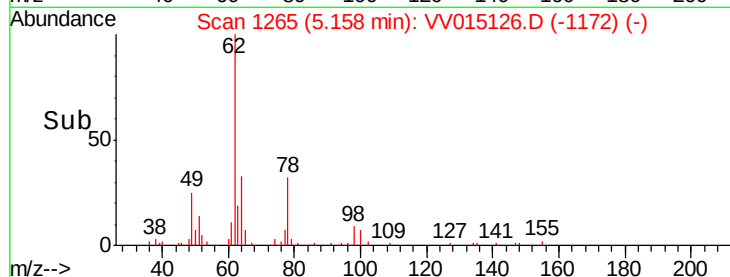
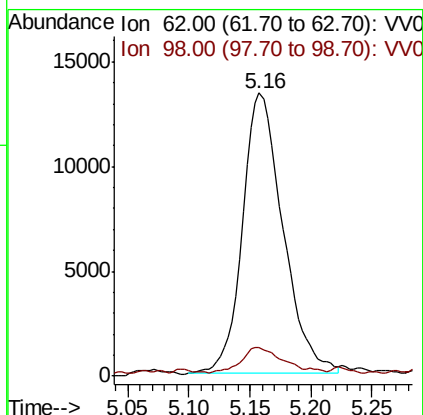
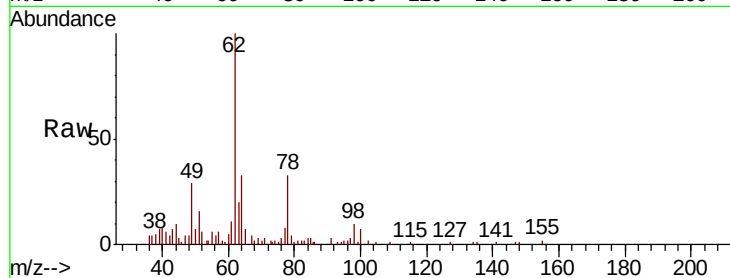




#27
 1,2-Dichloroethane
 Concen: 4.985 ug/L
 RT: 5.16 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VV015126.D
 Acq: 25 Mar 2020 03:59

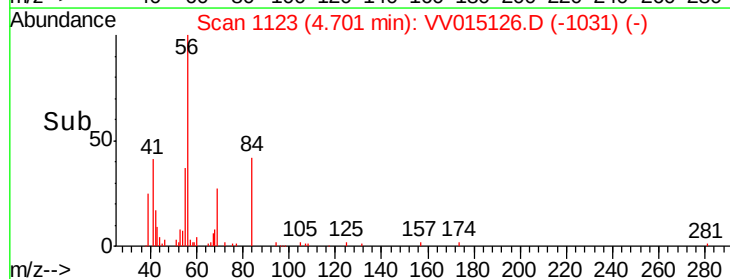
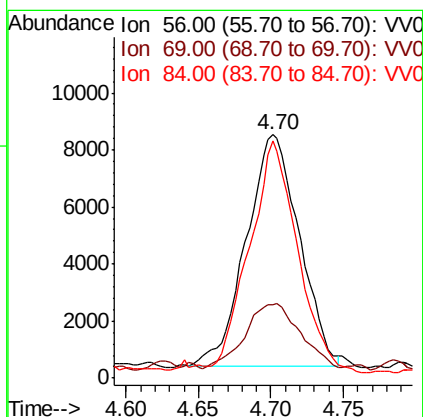
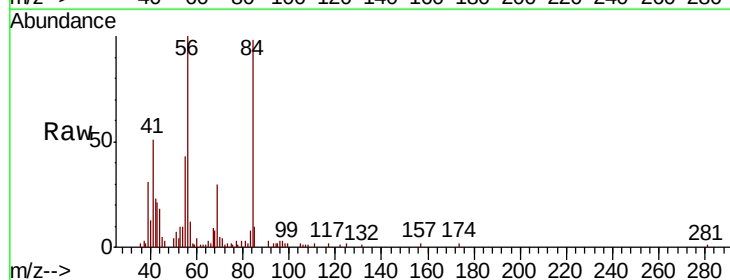
Instrument :
 MSVOA_V
 ClientSampleId :

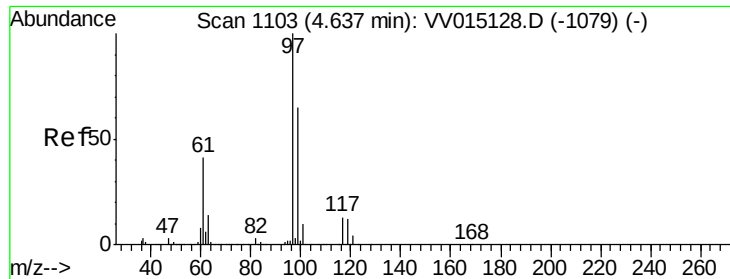
Tot Ion: 62 Resp: 30676
 Ion Ratio Lower Upper
 62 100
 98 9.9 7.7 11.5



#29
 Cyclohexane
 Concen: 3.691 ug/L
 RT: 4.70 min Scan# 1123
 Delta R.T. -0.00 min
 Lab File: VV015126.D
 Acq: 25 Mar 2020 03:59

Tgt Ion: 56 Resp: 20587
 Ion Ratio Lower Upper
 56 100
 69 29.5 24.9 37.3
 84 92.1 72.0 108.0

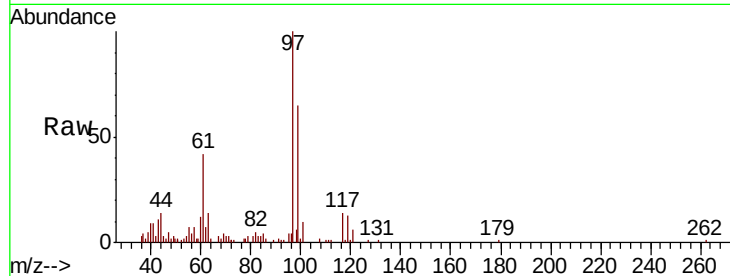




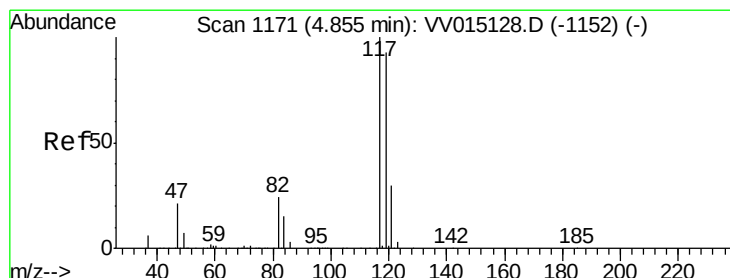
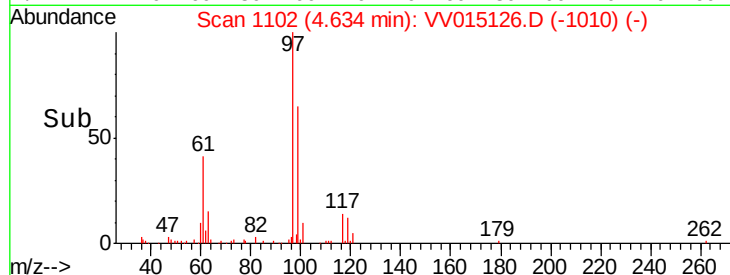
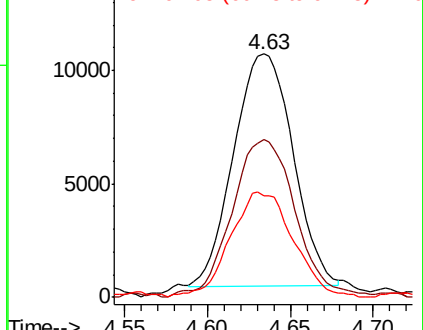
#30
 1,1,1-Trichloroethane
 Concen: 4.102 ug/L
 RT: 4.63 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VV015126.D
 Acq: 25 Mar 2020 03:59

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	97	Resp	25524
Ion Ratio	Lower	Upper	
97	100		
99	72.1	51.2	76.8
61	26.3	33.9	50.9#

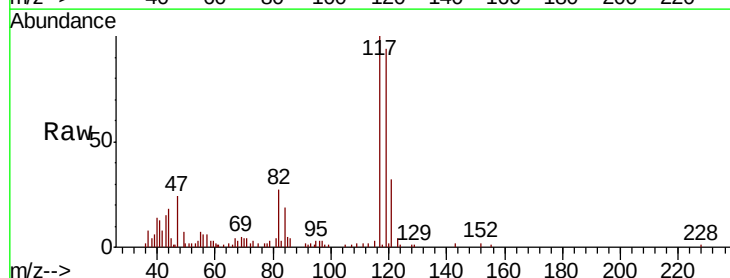


Abundance Ion 97.00 (96.70 to 97.70): VV015126.D (-1010) (-)

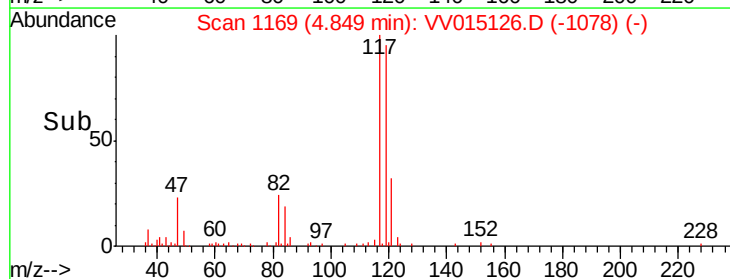
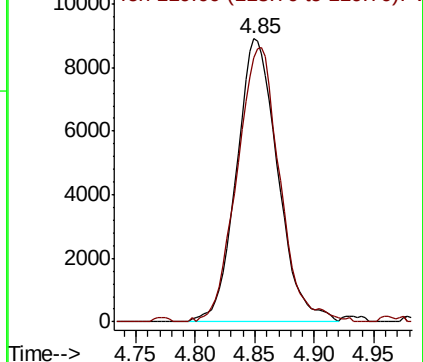


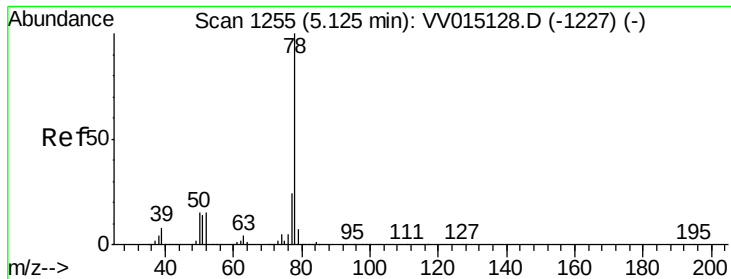
#31
 Carbon tetrachloride
 Concen: 4.160 ug/L
 RT: 4.85 min Scan# 1169
 Delta R.T. -0.01 min
 Lab File: VV015126.D
 Acq: 25 Mar 2020 03:59

Tgt Ion	117	Resp	21416
Ion Ratio	Lower	Upper	
117	100		
119	98.4	74.9	112.3



Abundance Ion 117.00 (116.70 to 117.70): VV015126.D (-1078) (-)

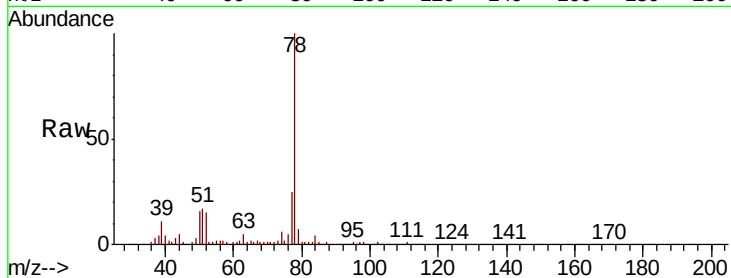




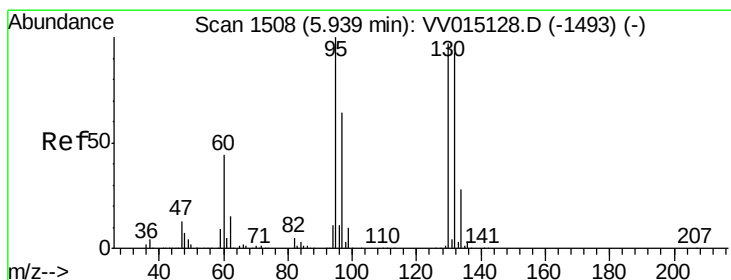
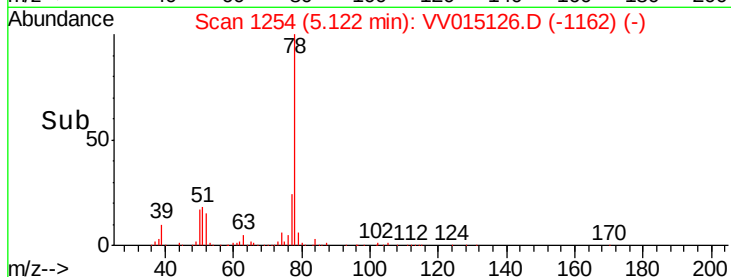
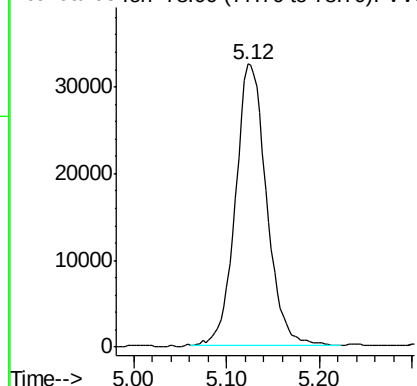
#33
Benzene
Concen: 4.655 ug/L
RT: 5.12 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VV015126.D
Acq: 25 Mar 2020 03:59

Instrument :
MSVOA_V
ClientSampled :

Tgt Ion: 78 Resp: 75629



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34
Trichloroethene
Concen: 4.577 ug/L
RT: 5.94 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VV015126.D
Acq: 25 Mar 2020 03:59

Tgt Ion: 95 Resp: 17662

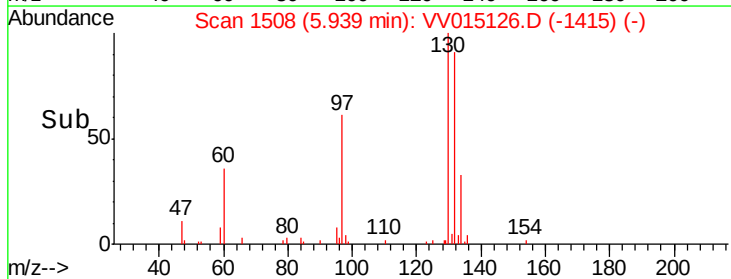
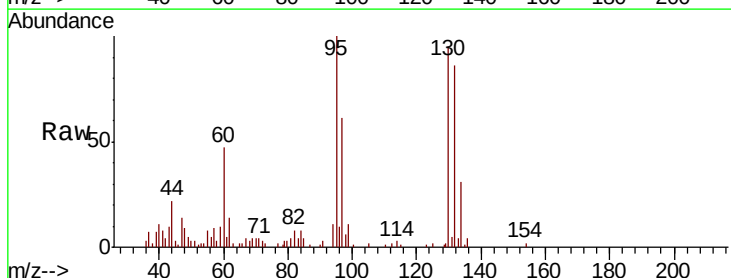
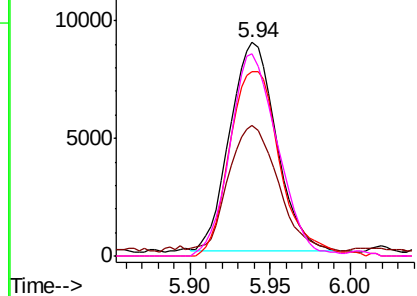
Ion	Ratio	Lower	Upper
95	100		
97	61.0	44.7	82.9
132	86.3	65.2	121.2
130	94.7	68.0	126.2

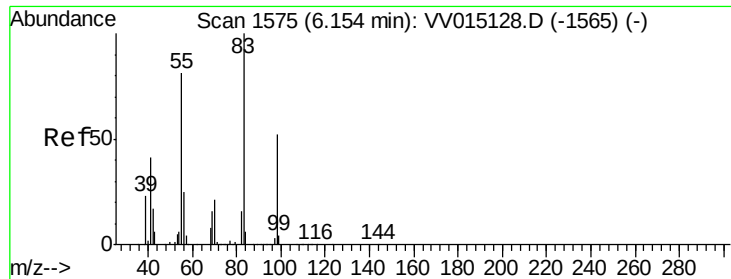
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

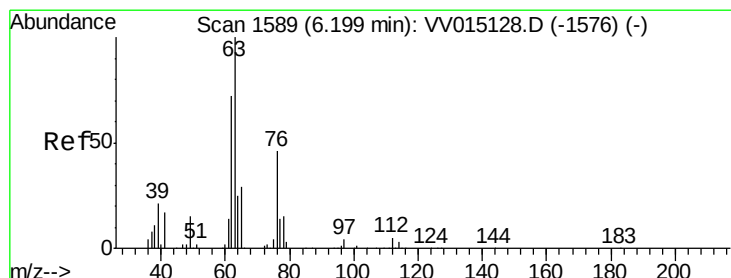
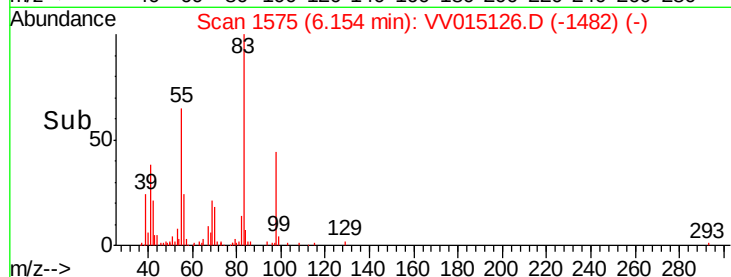
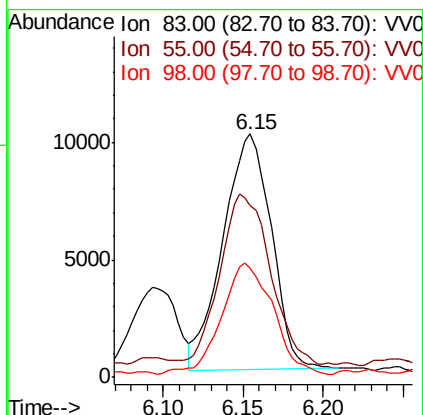
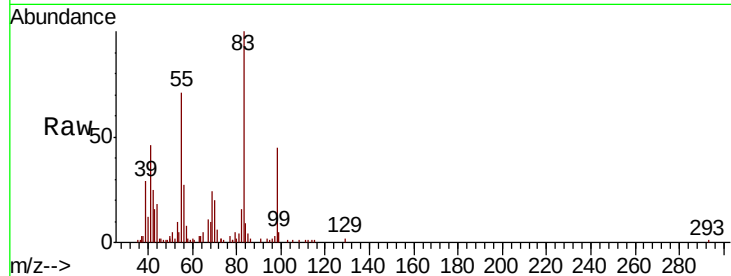




#35
Methylvlcyclohexane
Concen: 3.858 ug/L
RT: 6.15 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VV015126.D
Acq: 25 Mar 2020 03:59

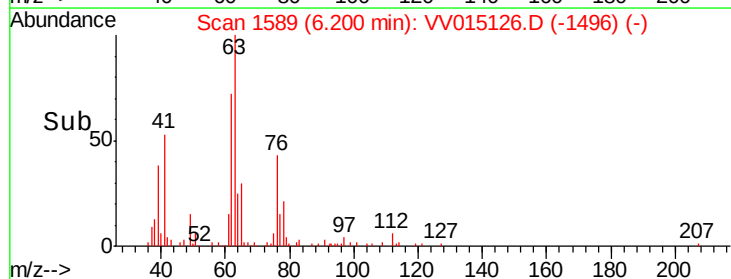
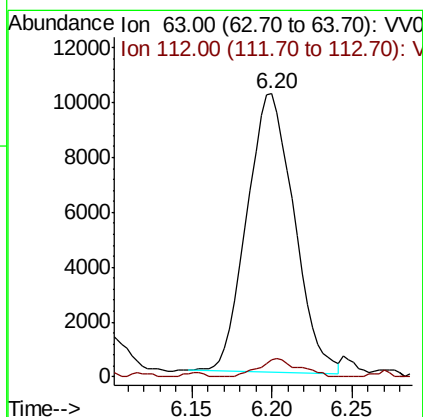
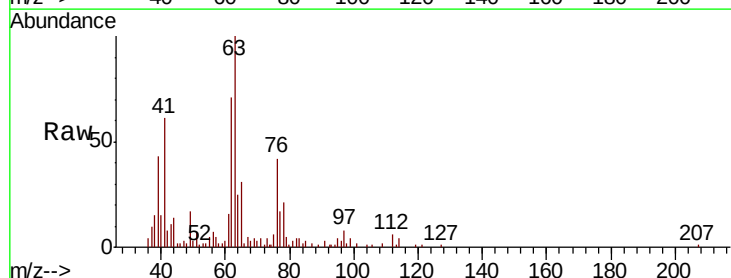
Instrument :
MSVOA_V
ClientSampled :

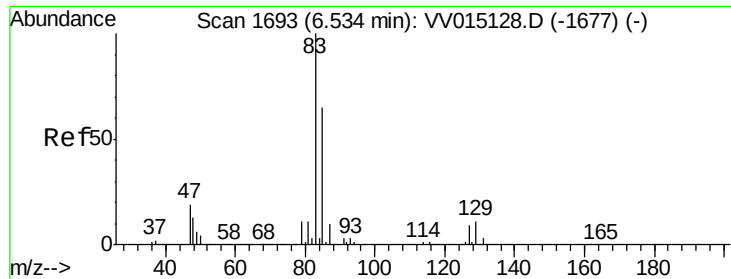
Tot Ion: 83 Resp: 20839
Ion Ratio Lower Upper
83 100
55 74.6 59.4 89.0
98 49.8 39.8 59.8



#37
1,2-Dichloropropane
Concen: 4.672 ug/L
RT: 6.20 min Scan# 1589
Delta R.T. 0.00 min
Lab File: VV015126.D
Acq: 25 Mar 2020 03:59

Tgt Ion: 63 Resp: 20539
Ion Ratio Lower Upper
63 100
112 5.6 4.0 6.0

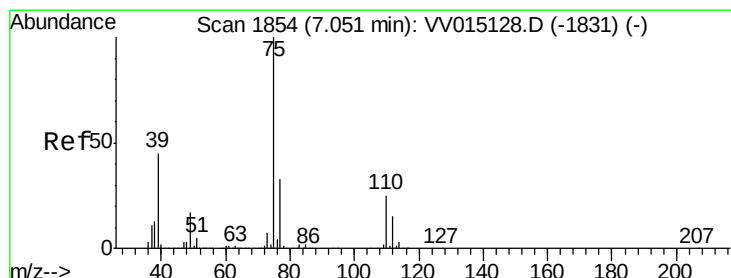
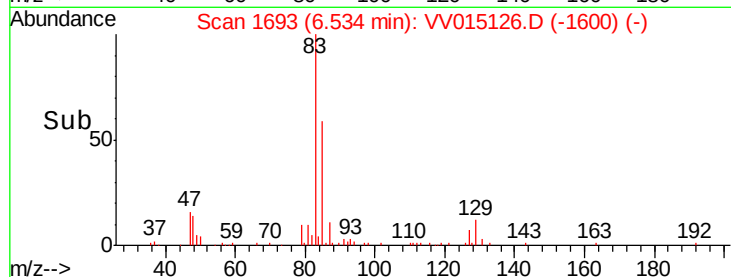
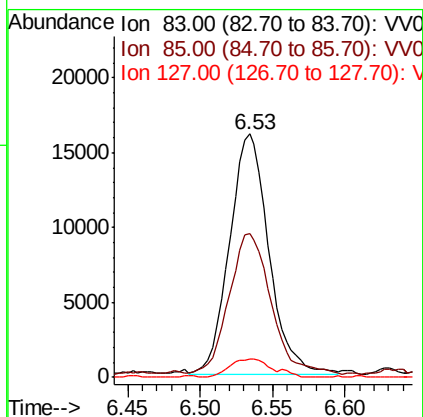
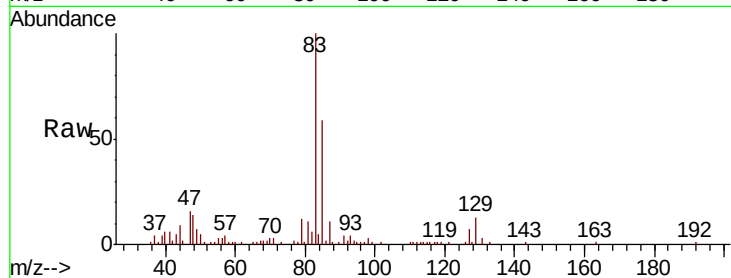




#38
 Bromodichloromethane
 Concen: 4.996 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV015126.D
 Acq: 25 Mar 2020 03:59

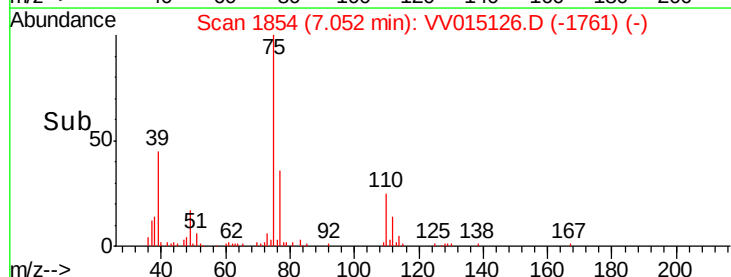
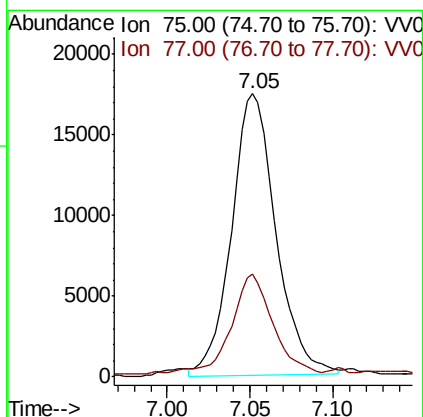
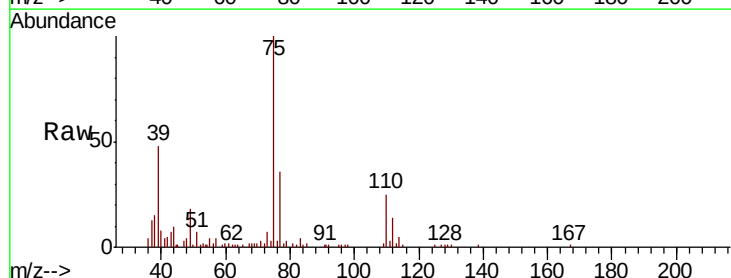
Instrument :
 MSVOA_V
 ClientSampleId :

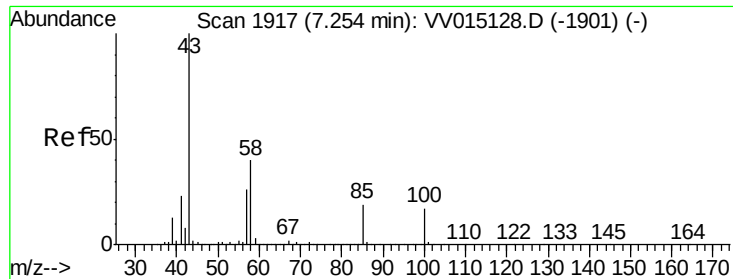
Tot Ion: 83 Resp: 30428
 Ion Ratio Lower Upper
 83 100
 85 59.2 45.5 84.5
 127 8.3 6.9 10.3



#39
 cis-1,3-Dichloropropene
 Concen: 4.553 ug/L
 RT: 7.05 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VV015126.D
 Acq: 25 Mar 2020 03:59

Tgt Ion: 75 Resp: 32495
 Ion Ratio Lower Upper
 75 100
 77 36.3 23.0 42.8

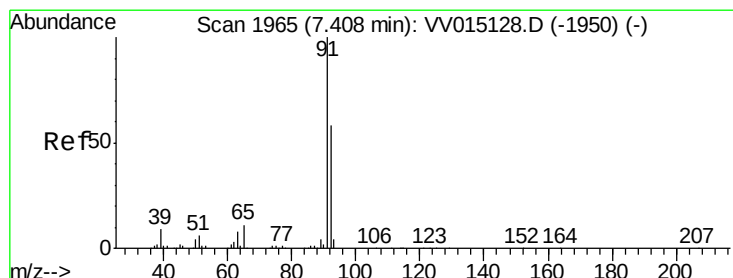
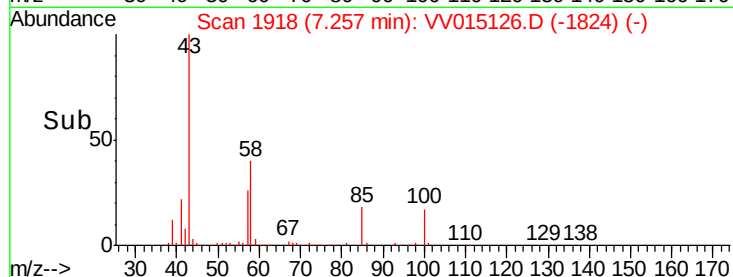
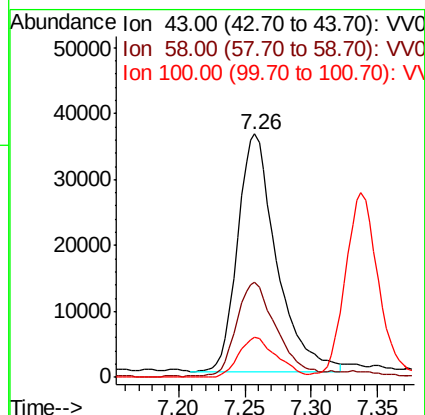
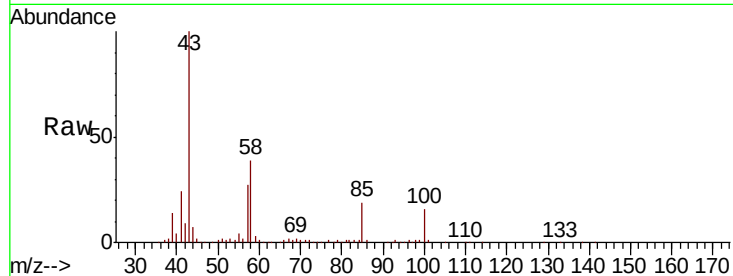




#40
4-Methyl-2-pentanone
Concen: 9.954 ug/L
RT: 7.26 min Scan# 1918
Delta R.T. 0.00 min
Lab File: VV015126.D
Acq: 25 Mar 2020 03:59

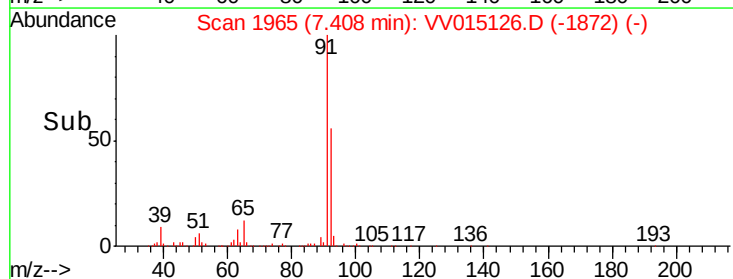
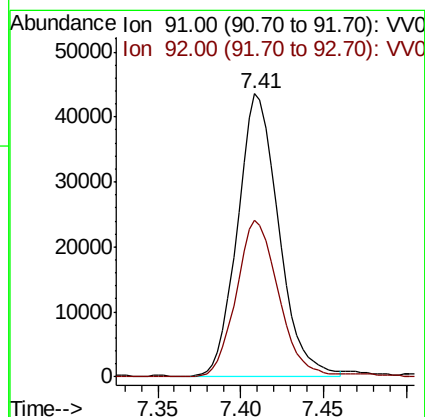
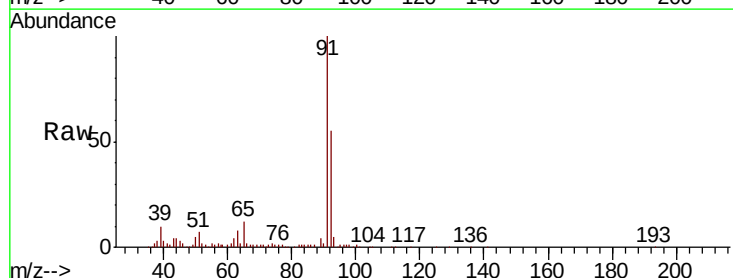
Instrument :
MSVOA_V
ClientSampleId :

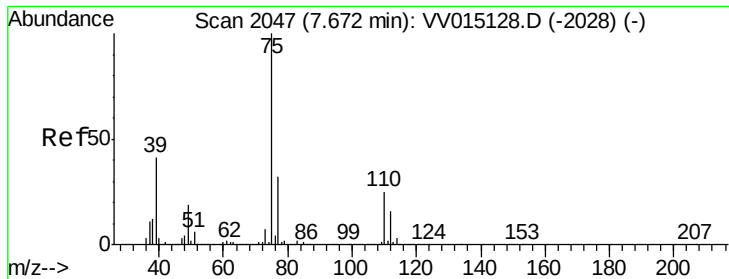
Tot Ion: 43 Resp: 73184
Ion Ratio Lower Upper
43 100
58 40.6 32.8 49.2
100 16.7 13.6 20.4



#42
Toluene
Concen: 4.408 ug/L
RT: 7.41 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VV015126.D
Acq: 25 Mar 2020 03:59

Tgt Ion: 91 Resp: 74763
Ion Ratio Lower Upper
91 100
92 55.4 40.5 75.3





#44

trans-1,3-Dichloropropene

Concen: 5.009 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV015126.D

Acq: 25 Mar 2020 03:59

Instrument :

MSVOA_V

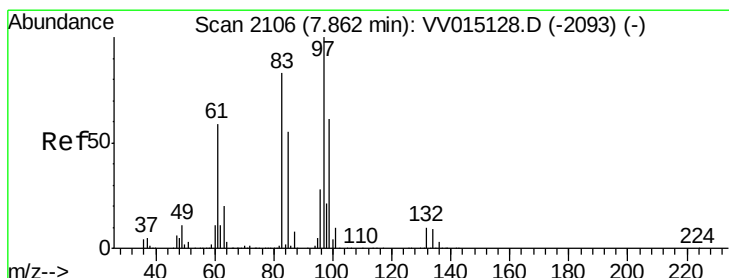
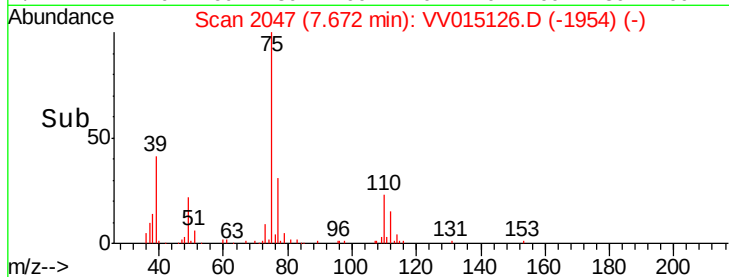
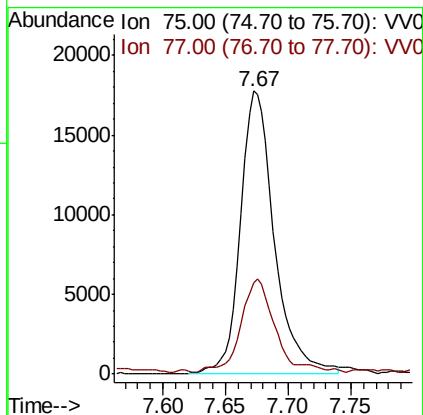
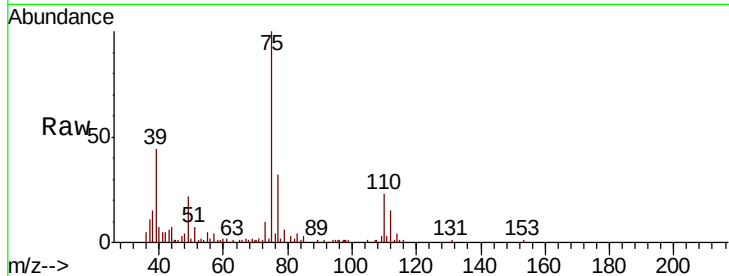
ClientSampleId :

Tot Ion: 75 Resp: 33616

Ion Ratio Lower Upper

75 100

77 32.4 22.3 41.5



#45

1,1,2-Trichloroethane

Concen: 5.269 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VV015126.D

Acq: 25 Mar 2020 03:59

Tgt Ion: 97 Resp: 22593

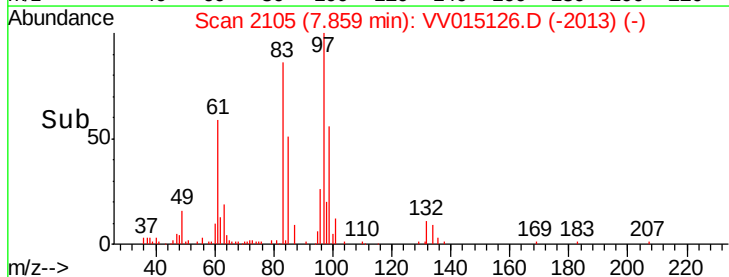
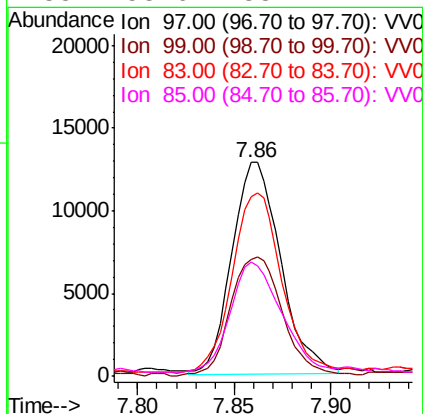
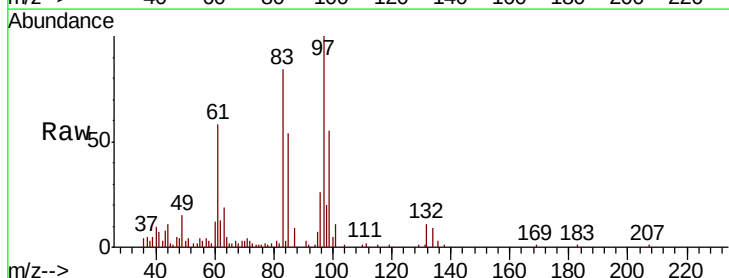
Ion Ratio Lower Upper

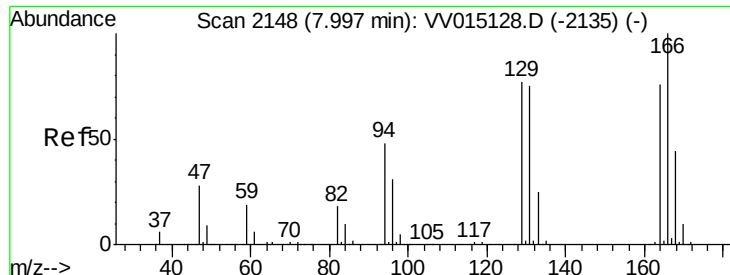
97 100

99 54.6 42.7 79.3

83 84.1 58.4 108.6

85 53.6 38.4 71.4





#46

Tetrachloroethene

Concen: 4.270 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV015126.D

Acq: 25 Mar 2020 03:59

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:164 Resp: 11084

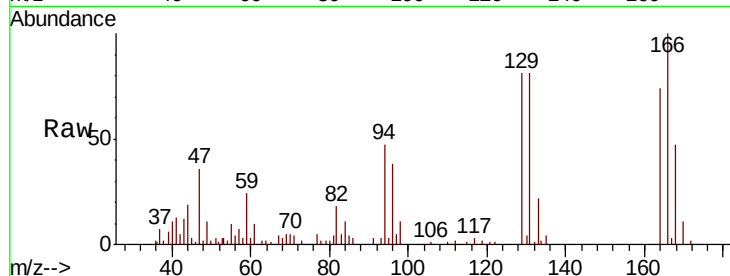
Ion Ratio Lower Upper

164 100

129 110.3 70.8 131.6

131 110.1 68.4 127.0

166 135.6 91.8 170.4

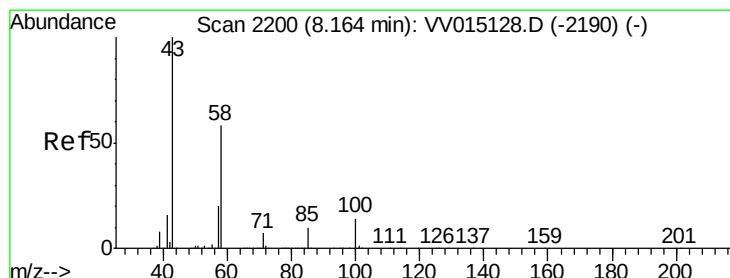
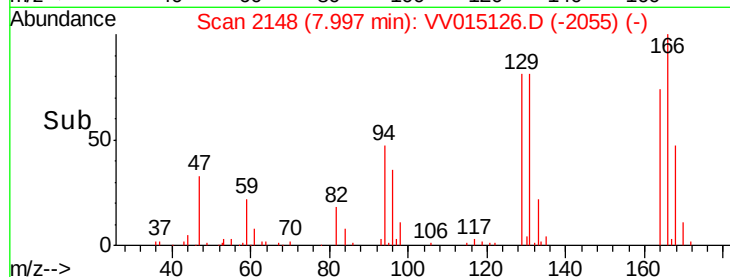
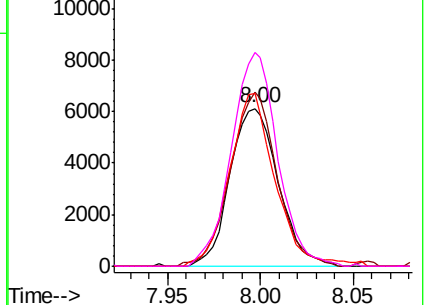


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48

2-Hexanone

Concen: 8.133 ug/L

RT: 8.17 min Scan# 2202

Delta R.T. 0.01 min

Lab File: VV015126.D

Acq: 25 Mar 2020 03:59

Tgt Ion: 43 Resp: 45895

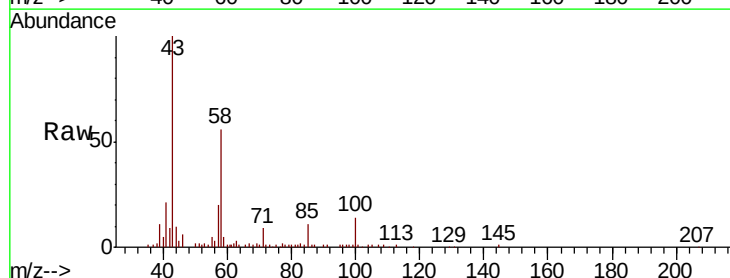
Ion Ratio Lower Upper

43 100

58 60.1 45.0 67.6

57 20.3 14.6 22.0

100 14.9 10.6 16.0

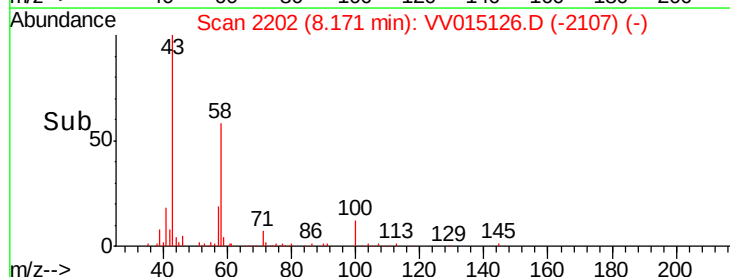
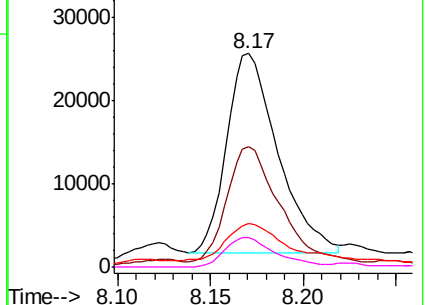


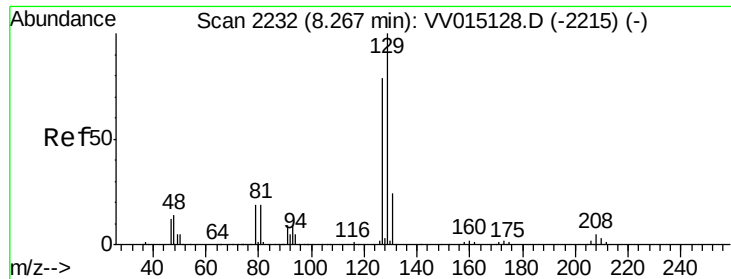
Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0





#49

Dibromochloromethane

Concen: 5.064 ug/L

RT: 8.27 min Scan# 2232

Delta R.T. 0.00 min

Lab File: VV015126.D

Acq: 25 Mar 2020 03:59

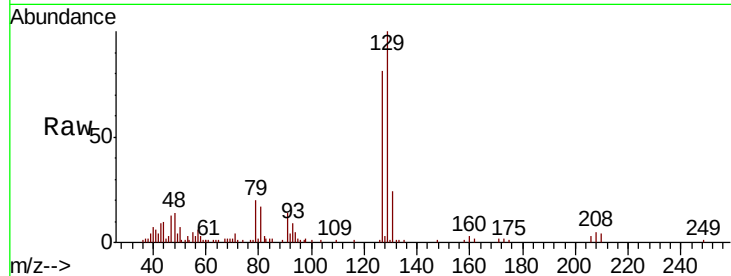
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:129 Resp: 24745

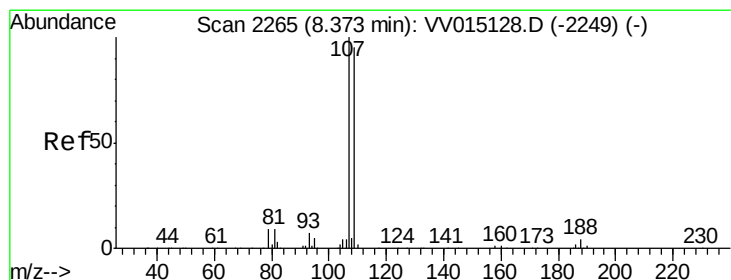
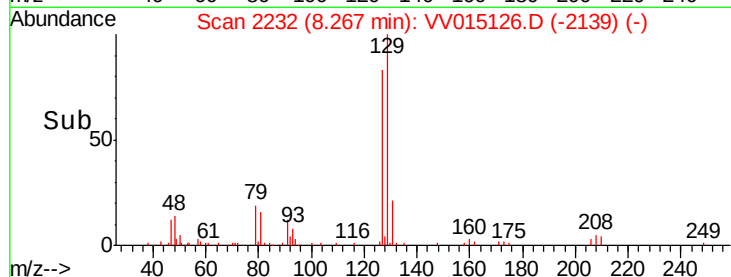
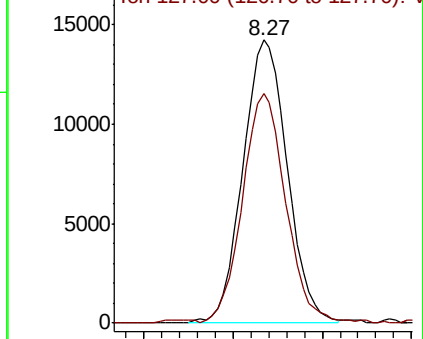
Ion Ratio Lower Upper

129 100

127 81.0 55.4 102.8



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#50

1,2-Dibromoethane

Concen: 5.129 ug/L

RT: 8.37 min Scan# 2265

Delta R.T. 0.00 min

Lab File: VV015126.D

Acq: 25 Mar 2020 03:59

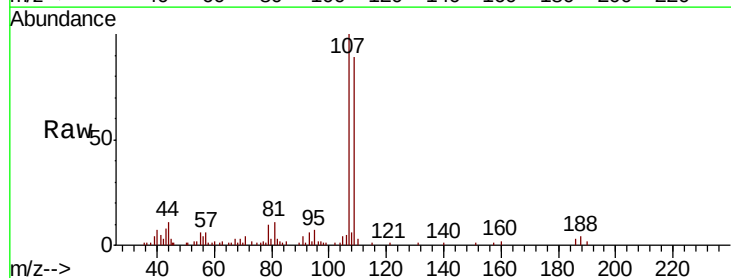
Tgt Ion:107 Resp: 24100

Ion Ratio Lower Upper

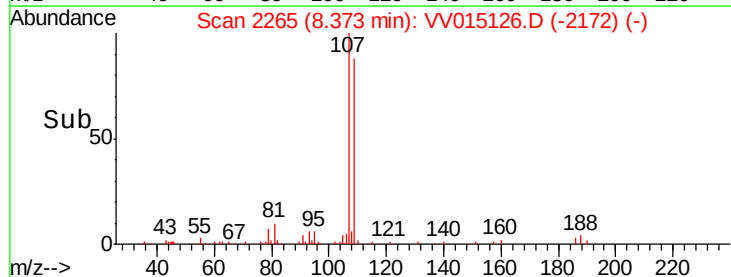
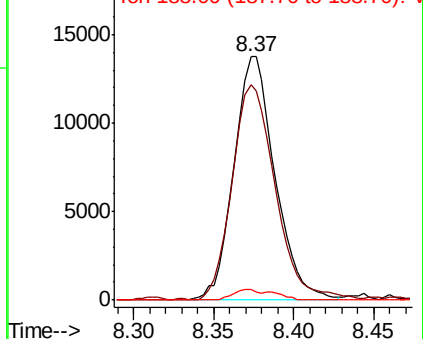
107 100

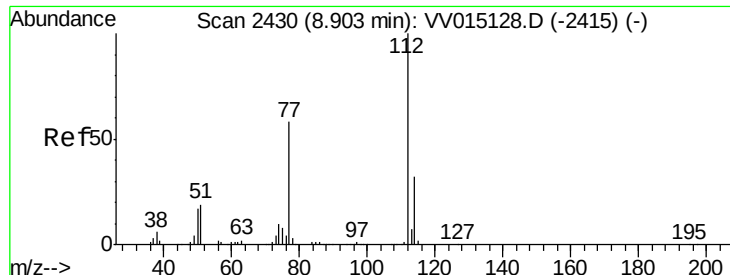
109 88.6 66.1 122.8

188 4.2 2.8 4.2



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

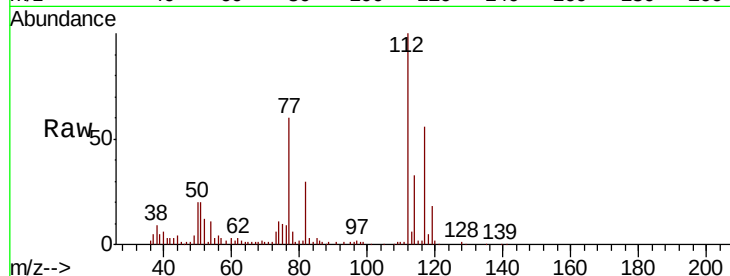




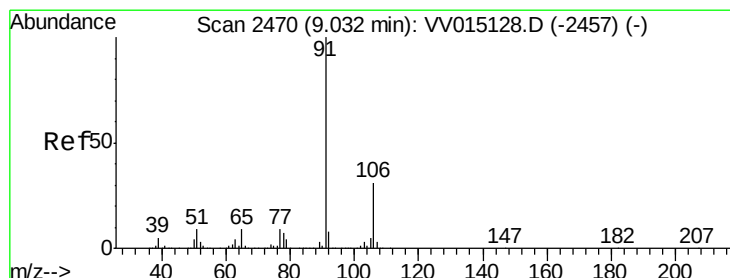
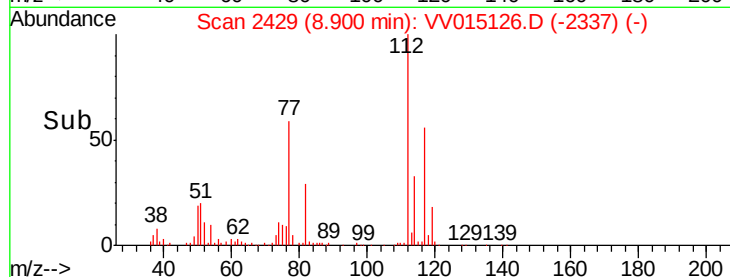
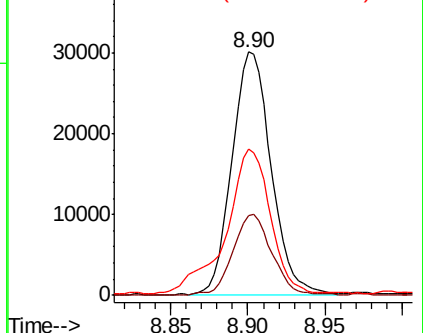
#51
Chlorobenzene
Concen: 4.880 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. -0.00 min
Lab File: VV015126.D
Acq: 25 Mar 2020 03:59

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:112 Resp: 53221
Ion Ratio Lower Upper
112 100
114 32.9 22.3 41.3
77 60.0 47.0 70.4

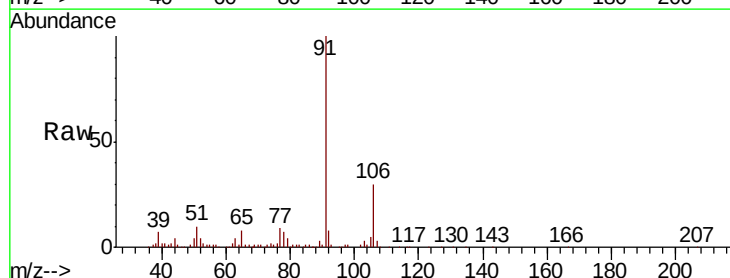


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

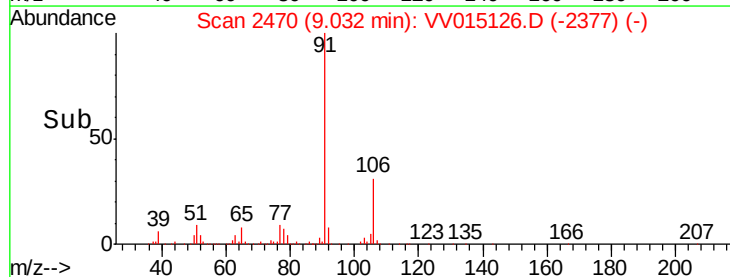
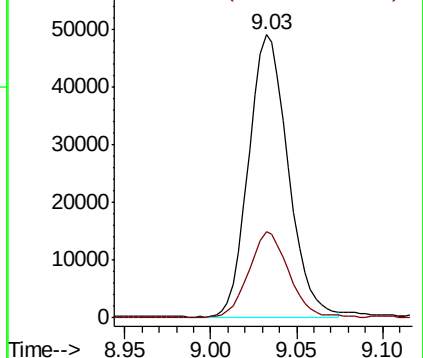


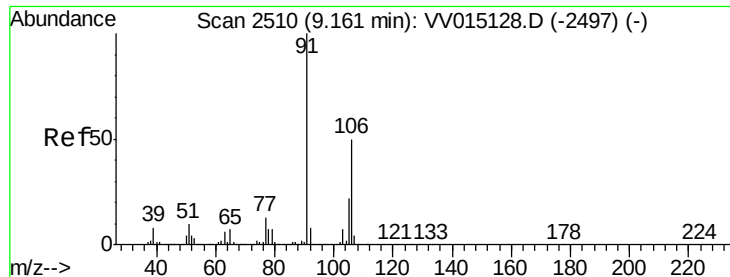
#52
Ethylbenzene
Concen: 4.285 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. 0.00 min
Lab File: VV015126.D
Acq: 25 Mar 2020 03:59

Tgt Ion: 91 Resp: 77709
Ion Ratio Lower Upper
91 100
106 30.5 22.0 40.8



Abundance Ion 91.00 (90.70 to 91.70): VV0
Ion 106.00 (105.70 to 106.70): V

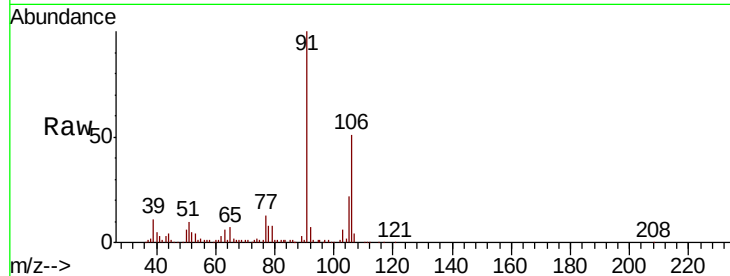




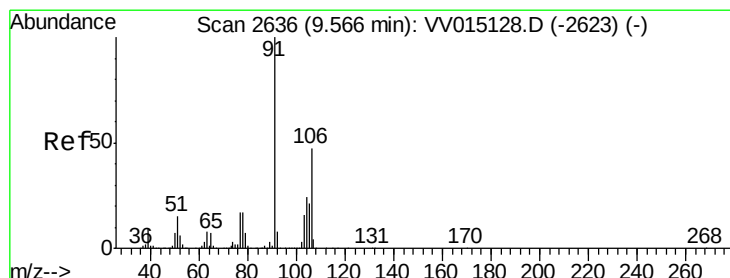
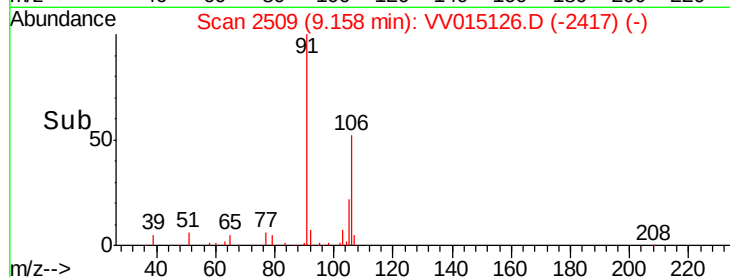
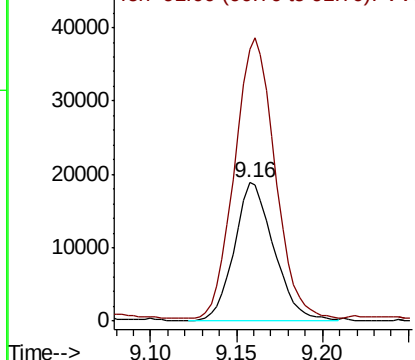
#53
m,p-Xylene
Concen: 4.340 ug/L
RT: 9.16 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VV015126.D
Acq: 25 Mar 2020 03:59

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 29916
Ion Ratio Lower Upper
106 100
91 196.6 141.3 262.5

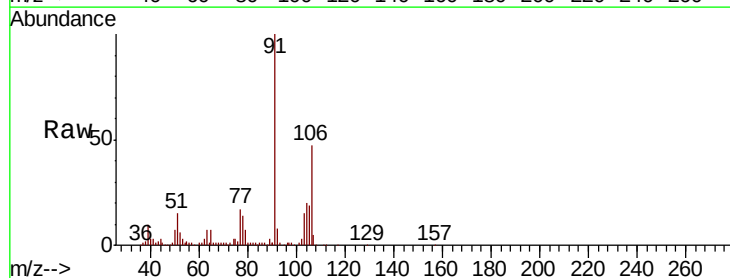


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

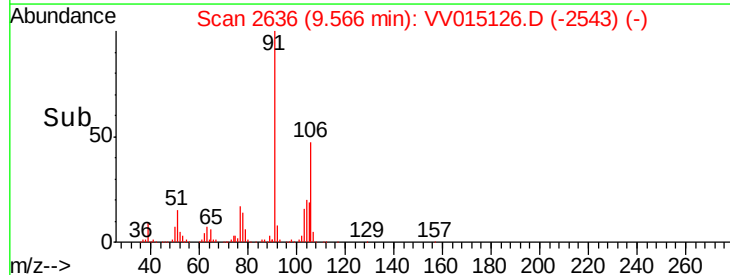
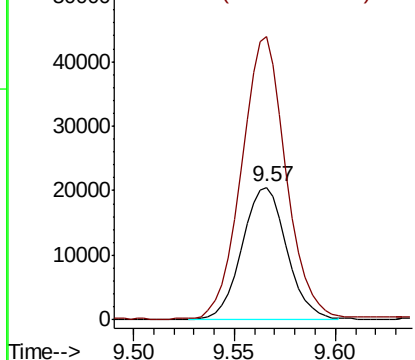


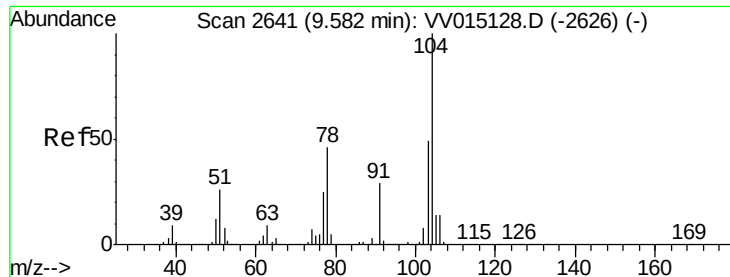
#54
o-xylene
Concen: 4.451 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV015126.D
Acq: 25 Mar 2020 03:59

Tgt Ion:106 Resp: 31971
Ion Ratio Lower Upper
106 100
91 212.9 149.0 276.8



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0





#55

Stvrene

Concen: 4.450 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV015126.D

Acq: 25 Mar 2020 03:59

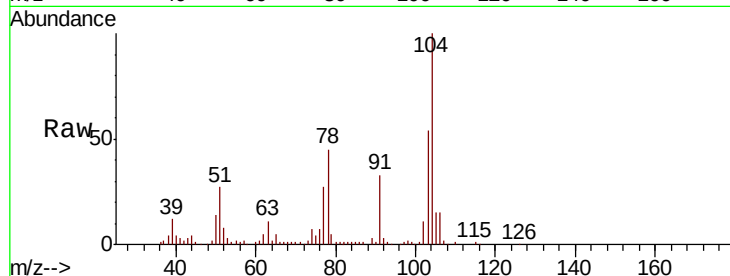
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:104 Resp: 55376

Ion Ratio Lower Upper

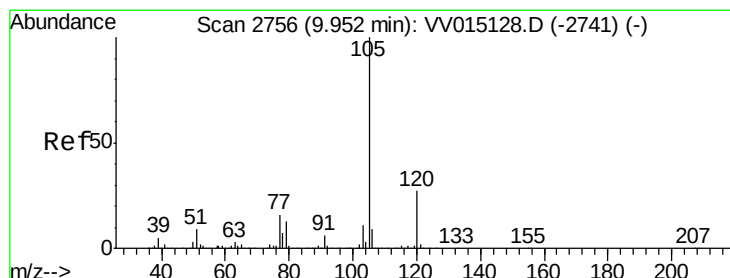
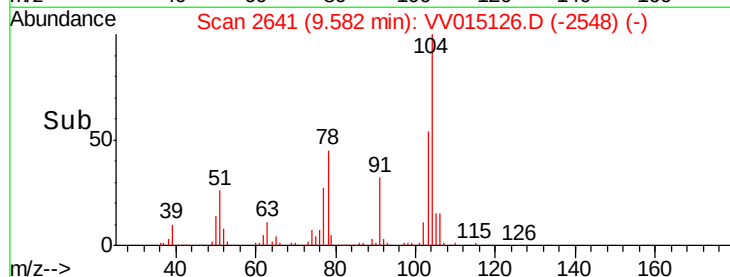
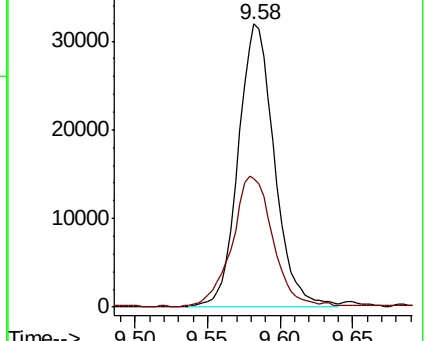
104 100

78 45.3 32.1 59.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0



#56

Isopropylbenzene

Concen: 4.141 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV015126.D

Acq: 25 Mar 2020 03:59

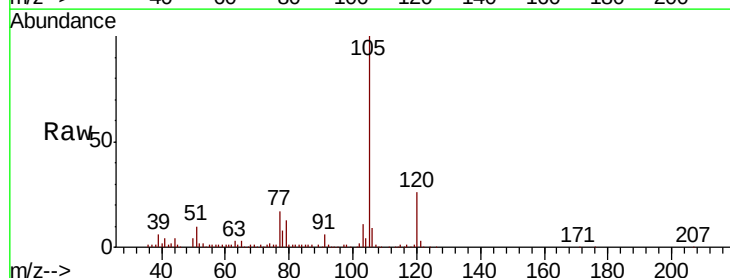
Tgt Ion:105 Resp: 72041

Ion Ratio Lower Upper

105 100

120 26.4 21.4 32.0

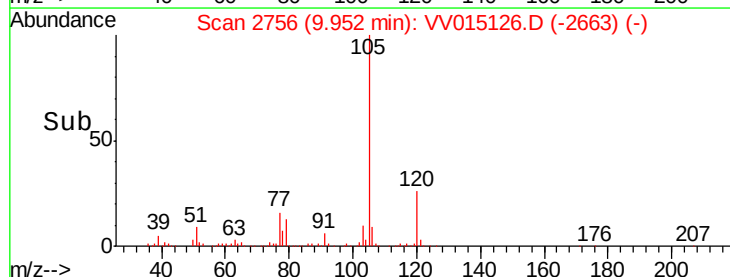
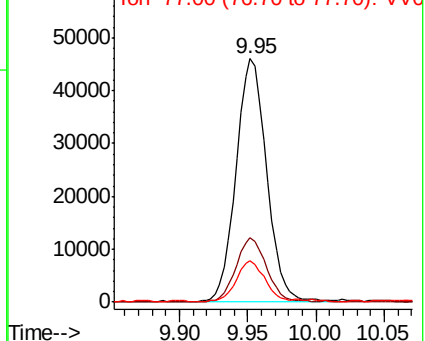
77 15.3 12.8 19.2

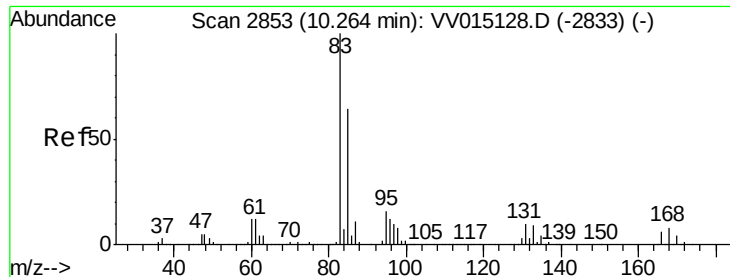


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VV0





#58

1,1,2,2-Tetrachloroethane

Concen: 4.968 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV015126.D

Acq: 25 Mar 2020 03:59

Instrument :

MSVOA_V

ClientSampled :

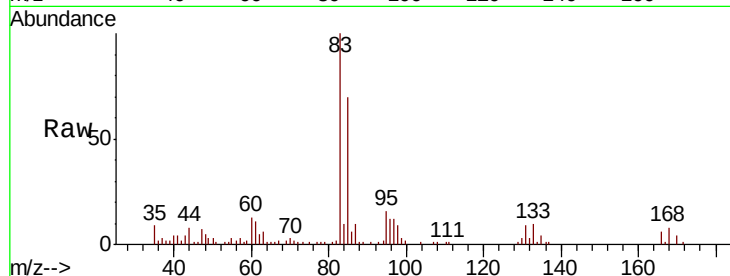
Tot Ion: 83 Resp: 36392

Ion Ratio Lower Upper

83 100

85 69.7 44.6 82.8

131 9.5 7.8 11.8

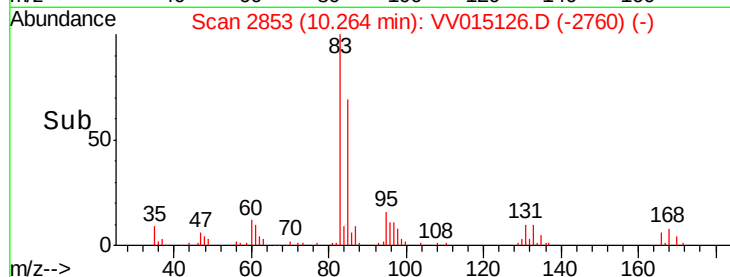


Abundance Ion 83.00 (82.70 to 83.70): VV015126.D (-2833) (-)

Ion 85.00 (84.70 to 85.70): VV015126.D (-2833) (-)

Ion 131.00 (130.70 to 131.70): VV015126.D (-2833) (-)

Time-->

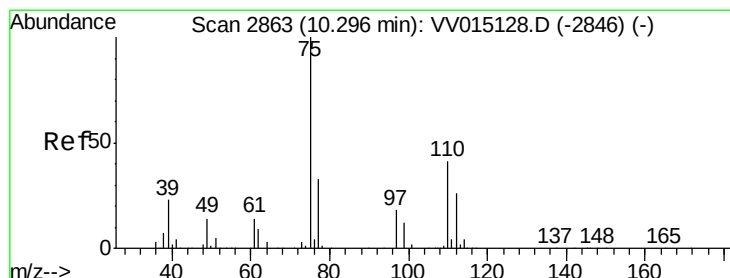


Abundance Ion 83.00 (82.70 to 83.70): VV015126.D (-2760) (-)

Ion 85.00 (84.70 to 85.70): VV015126.D (-2760) (-)

Ion 131.00 (130.70 to 131.70): VV015126.D (-2760) (-)

Time-->



#59

1,2,3-Trichloropropane

Concen: 5.042 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV015126.D

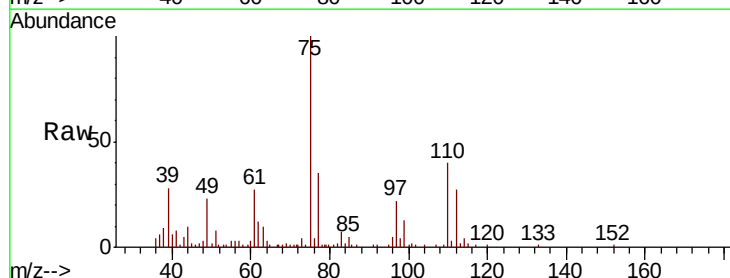
Acq: 25 Mar 2020 03:59

Tgt Ion: 75 Resp: 29908

Ion Ratio Lower Upper

75 100

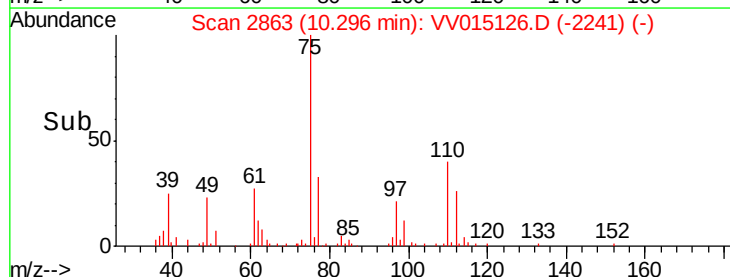
77 32.3 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VV015126.D (-2846) (-)

Ion 77.00 (76.70 to 77.70): VV015126.D (-2846) (-)

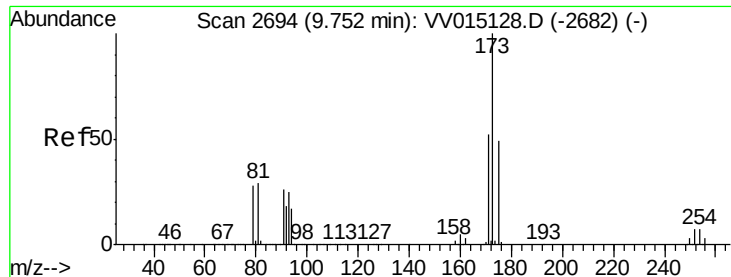
Time-->



Abundance Ion 75.00 (74.70 to 75.70): VV015126.D (-2241) (-)

Ion 77.00 (76.70 to 77.70): VV015126.D (-2241) (-)

Time-->



#61

Bromoform

Concen: 5.035 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV015126.D

Acq: 25 Mar 2020 03:59

Instrument :
MSVOA_V
ClientSampled :

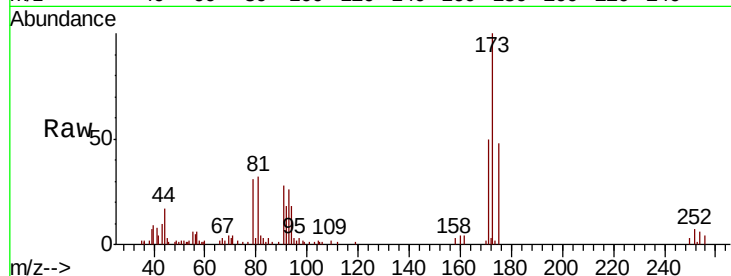
Tot Ion:173 Resp: 16989

Ion Ratio Lower Upper

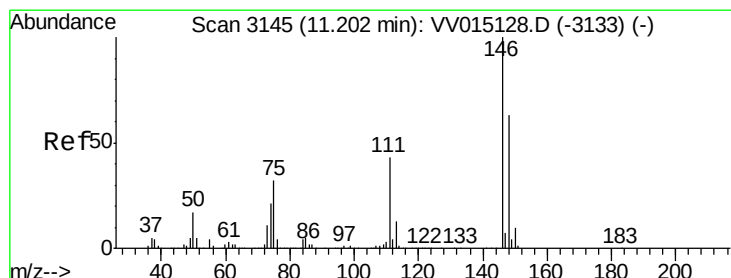
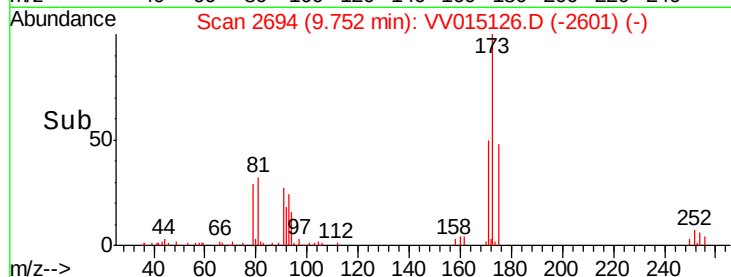
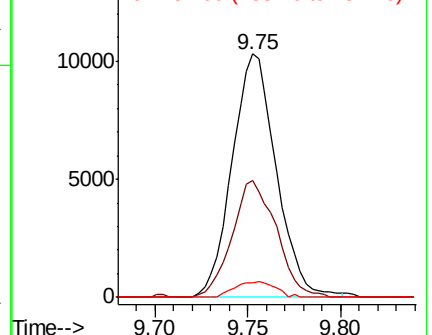
173 100

175 48.1 38.5 57.7

254 5.8 6.0 9.0#



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#62

1,3-Dichlorobenzene

Concen: 4.660 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV015126.D

Acq: 25 Mar 2020 03:59

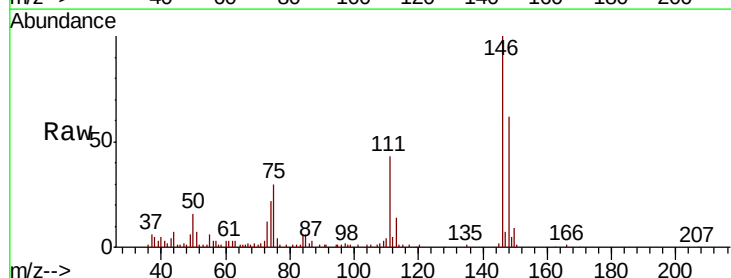
Tgt Ion:146 Resp: 36041

Ion Ratio Lower Upper

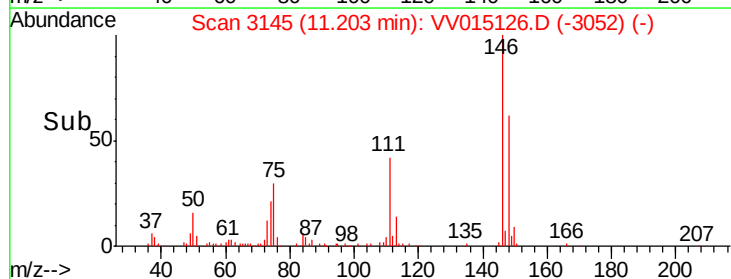
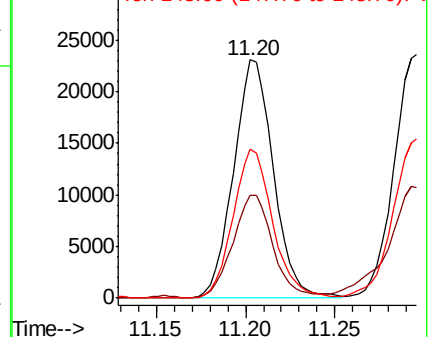
146 100

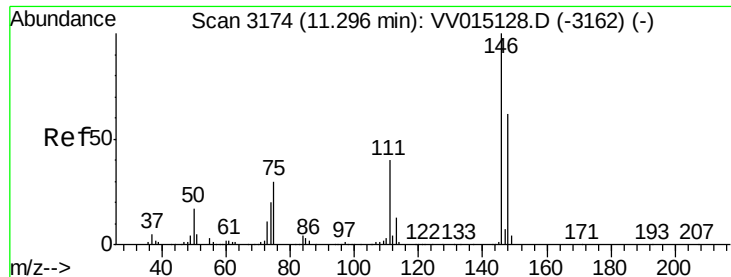
111 43.0 29.8 55.3

148 62.5 44.2 82.2



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

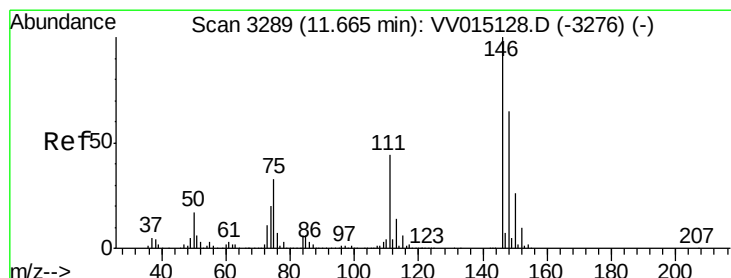
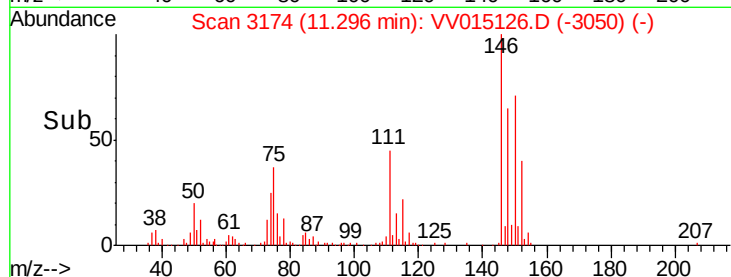
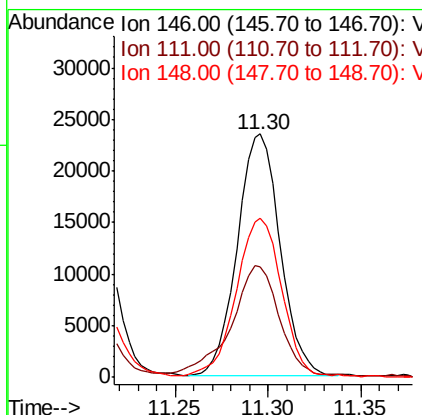
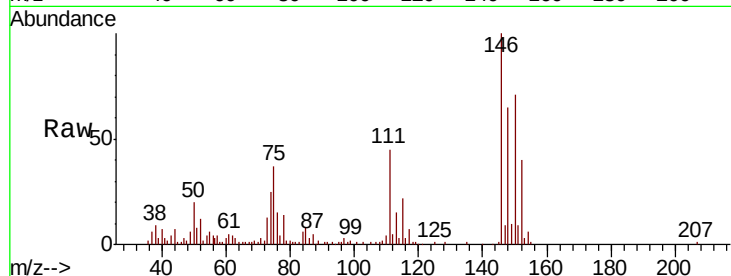




#63
 1,4-Dichlorobenzene
 Concen: 4.795 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV015126.D
 Acq: 25 Mar 2020 03:59

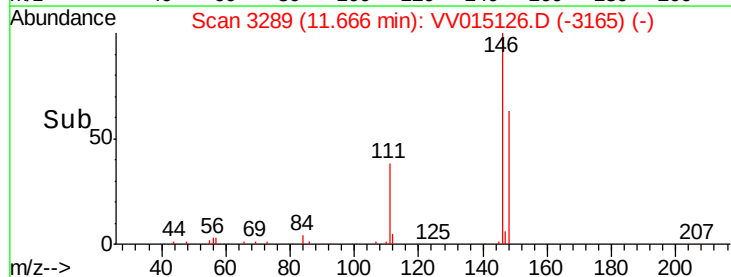
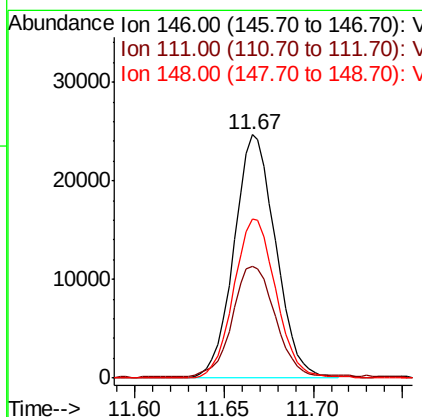
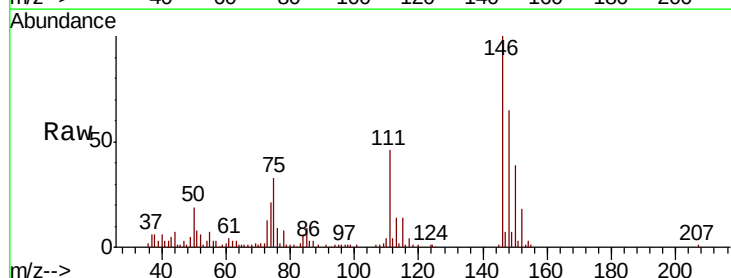
Instrument :
 MSVOA_V
 ClientSampleId :

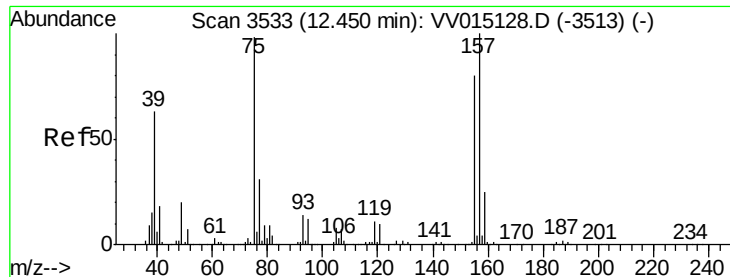
Tot Ion:146 Resp: 37462
 Ion Ratio Lower Upper
 146 100
 111 45.5 28.6 53.0
 148 65.3 43.8 81.3



#65
 1,2-Dichlorobenzene
 Concen: 4.929 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV015126.D
 Acq: 25 Mar 2020 03:59

Tgt Ion:146 Resp: 40101
 Ion Ratio Lower Upper
 146 100
 111 45.8 35.4 53.0
 148 65.3 52.2 78.4

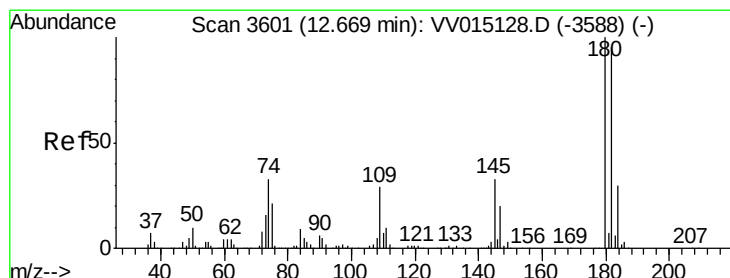
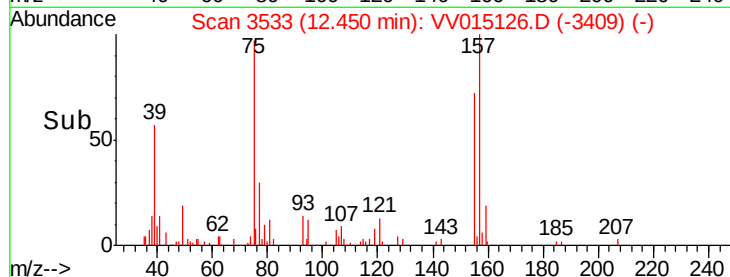
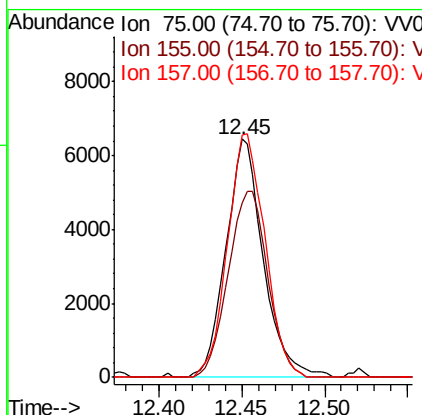
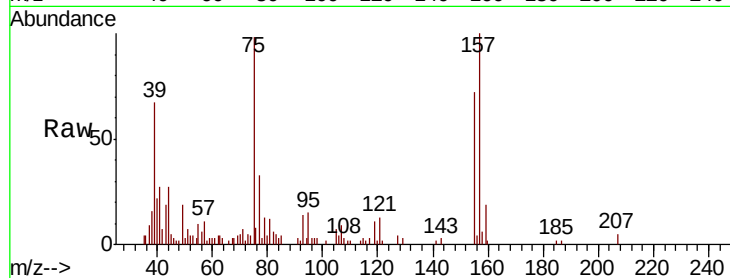




#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.257 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. 0.00 min
 Lab File: VV015126.D
 Acq: 25 Mar 2020 03:59

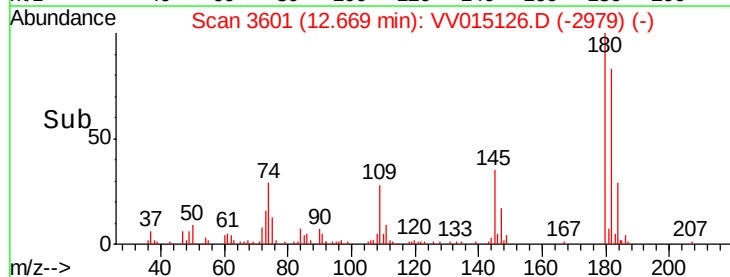
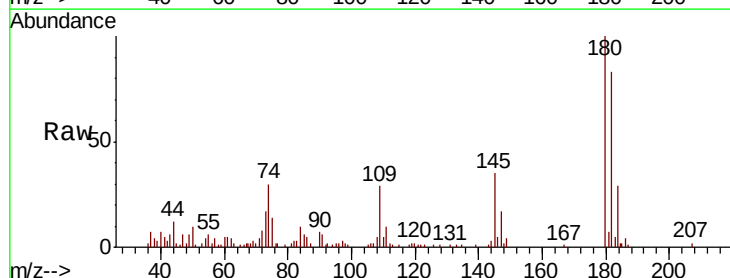
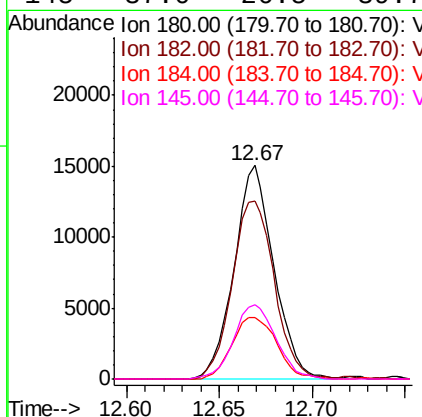
Instrument :
 MSVOA_V
 ClientSampleId :

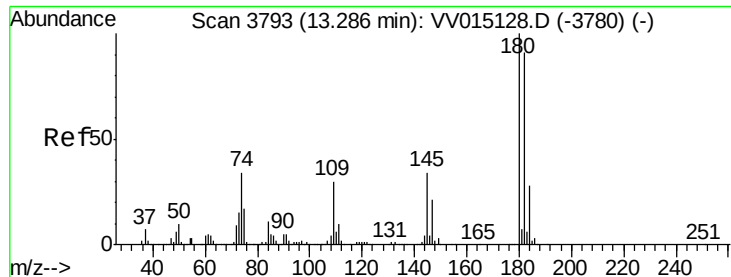
Tot Ion: 75 Resp: 10109
 Ion Ratio Lower Upper
 75 100
 155 73.5 64.9 97.3
 157 101.6 81.6 122.4



#67
 1,3,5-Trichlorobenzene
 Concen: 4.325 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV015126.D
 Acq: 25 Mar 2020 03:59

Tgt Ion: 180 Resp: 22422
 Ion Ratio Lower Upper
 180 100
 182 88.1 75.8 113.6
 184 32.5 24.0 36.0
 145 37.0 26.5 39.7

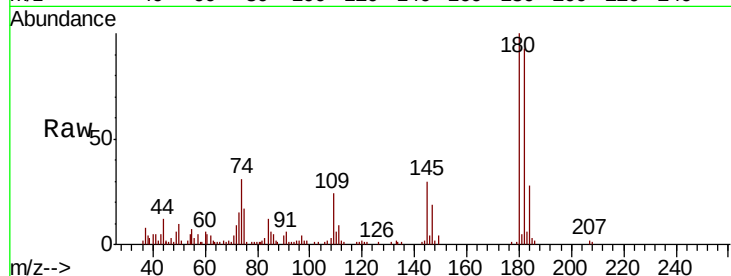




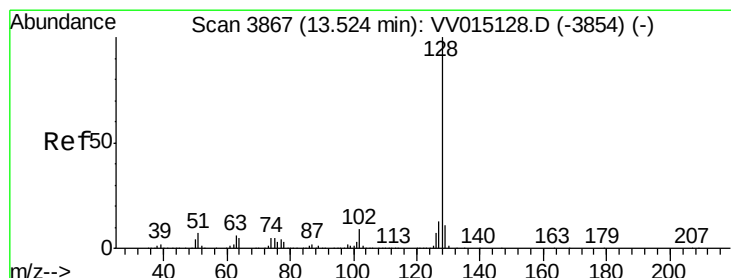
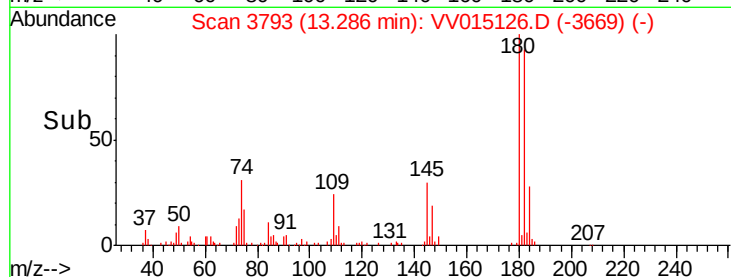
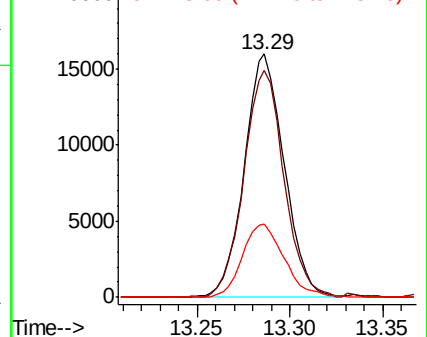
#68
 1,2,4-trichlorobenzene
 Concen: 4.831 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV015126.D
 Acq: 25 Mar 2020 03:59

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 24016
 Ion Ratio Lower Upper
 180 100
 182 93.4 75.0 112.4
 145 31.4 27.8 41.6

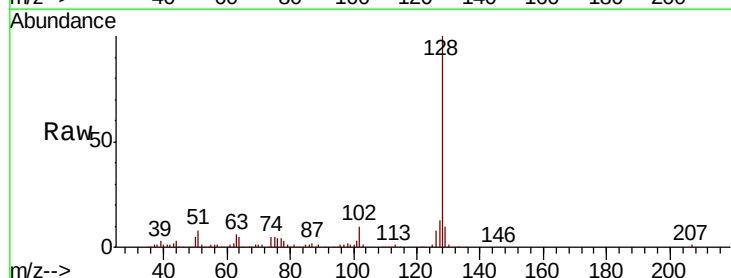


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

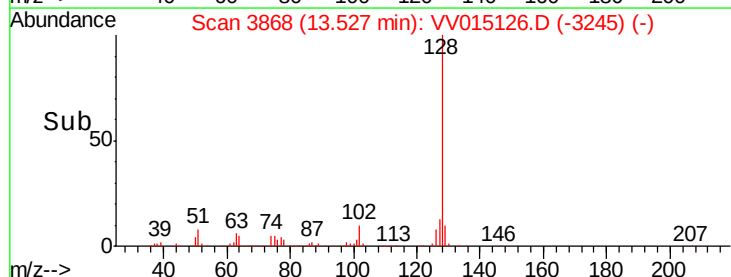
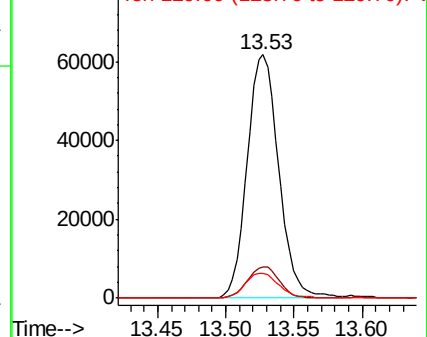


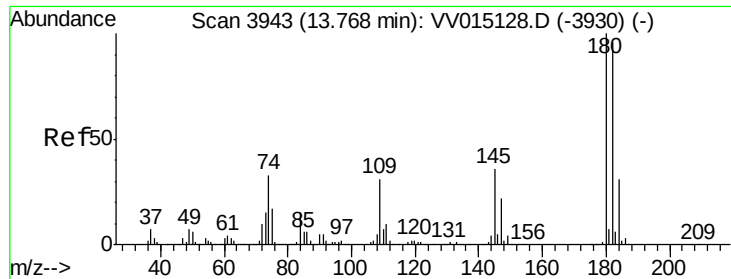
#69
 Naphthalene
 Concen: 7.892 ug/L
 RT: 13.53 min Scan# 3868
 Delta R.T. 0.00 min
 Lab File: VV015126.D
 Acq: 25 Mar 2020 03:59

Tgt Ion:128 Resp: 98613
 Ion Ratio Lower Upper
 128 100
 127 13.0 10.4 15.6
 129 11.0 9.0 13.4



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

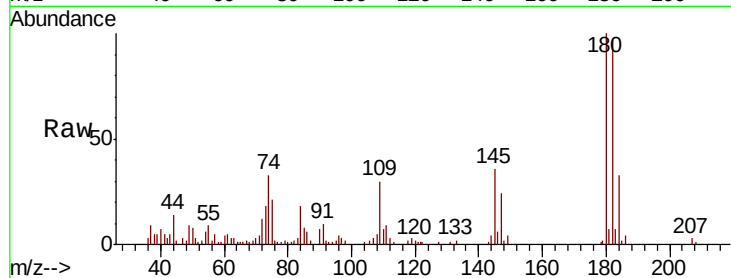




#70
 1,2,3-Trichlorobenzene
 Concen: 4.490 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV015126.D
 Acq: 25 Mar 2020 03:59

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
180	100			
182	96.6	77.4	116.2	
145	36.8	29.0	43.6	



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

