

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032320\
 Data File : VV015104.D
 Acq On : 23 Mar 2020 22:45
 Operator : SY/MD
 Sample : VSTD00566
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 24 02:36:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Mar 24 02:29:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	709477	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	643897	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	287912	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	35180	5.37	ug/L	0.00
7) Chloroethane-d5	1.28	69	1511	0.27	ug/L	-0.30
11) 1,1-Dichloroethene-d2	2.12	63	57952	5.30	ug/L	0.00
21) 2-Butanone-d5	3.96	46	40180	9.41	ug/L	0.03
24) Chloroform-d	4.38	84	51094	5.16	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	32624	5.17	ug/L	0.00
32) Benzene-d6	5.08	84	104621	5.36	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.10	67	35007	5.48	ug/L	0.00
41) Toluene-d8	7.34	98	97071	5.37	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.65	79	18510	5.49	ug/L	0.00
47) 2-Hexanone-d5	8.12	63	33691	10.51	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	48304	5.40	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	36707	5.71	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	29426	5.467	ug/L 98
3) Chloromethane	1.25	50	40256	5.649	ug/L 97
5) Vinyl chloride	1.32	62	36768	5.436	ug/L 96
6) Bromomethane	1.53	94	21255	5.138	ug/L 93
8) Chloroethane	1.60	64	33135	6.380	ug/L 98
9) Trichlorofluoromethane	1.77	101	43667	5.122	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	23118	5.411	ug/L 100
12) 1,1-Dichloroethene	2.13	96	25186	5.479	ug/L 96
14) Carbon disulfide	2.31	76	63132	5.346	ug/L 99
15) Methyl Acetate	2.47	43	27578	4.613	ug/L 95
16) Methylene chloride	2.52	84	29696	5.460	ug/L 92
17) trans-1,2-Dichloroethene	2.78	96	24657	5.401	ug/L 89
18) Methyl tert-butyl Ether	2.79	73	93108	5.340	ug/L 98
19) 1,1-Dichloroethane	3.22	63	48245	5.176	ug/L # 93
20) cis-1,2-Dichloroethene	3.95	96	28496	5.287	ug/L # 92
23) Bromochloromethane	4.28	128	14165	5.289	ug/L 98
25) Chloroform	4.41	83	48090	5.179	ug/L 97
27) 1,2-Dichloroethane	5.16	62	39069	5.283	ug/L # 87
29) Cyclohexane	4.70	56	41067	5.730	ug/L 95
30) 1,1,1-Trichloroethane	4.64	97	41677	5.528	ug/L 99
31) Carbon tetrachloride	4.86	117	34939	5.496	ug/L 97
33) Benzene	5.13	78	103655	5.302	ug/L 100
34) Trichloroethene	5.94	95	25170	5.344	ug/L 96
35) Methylcyclohexane	6.16	83	37118	5.340	ug/L 93
37) 1,2-Dichloropropane	6.20	63	28271	5.367	ug/L # 96
38) Bromodichloromethane	6.54	83	38735	5.343	ug/L 90
39) cis-1,3-Dichloropropene	7.05	75	46382	5.387	ug/L 99
40) 4-Methyl-2-pentanone	7.26	43	88374	10.138	ug/L 98
42) Toluene	7.41	91	112469	5.400	ug/L 100
44) trans-1,3-Dichloropropene	7.68	75	40812	5.151	ug/L 98

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 Sample : VSTD00566
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

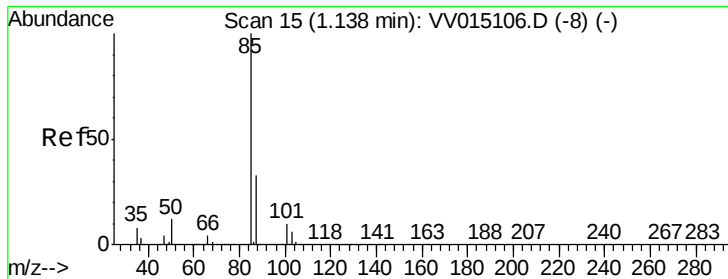
Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 24 02:36:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032320WMA.M
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	7.86	97	26727	5.318	ug/L	96
46) Tetrachloroethene	8.00	164	17282	5.263	ug/L	94
48) 2-Hexanone	8.17	43	65384	9.747	ug/L	98
49) Dibromochloromethane	8.27	129	30594	5.273	ug/L	97
50) 1,2-Dibromoethane	8.38	107	29876	5.411	ug/L	95
51) Chlorobenzene	8.90	112	72808	5.449	ug/L	98
52) Ethylbenzene	9.04	91	118538	5.218	ug/L	98
53) m,p-Xylene	9.16	106	44345	5.157	ug/L	99
54) o-xylene	9.57	106	47081	5.300	ug/L	99
55) Styrene	9.59	104	78315	5.098	ug/L	98
56) Isopropylbenzene	9.95	105	115069	5.248	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	45303	5.242	ug/L	98
59) 1,2,3-Trichloropropane	10.30	75	37048	5.305	ug/L	95
61) Bromoform	9.75	173	21486	5.446	ug/L	100
62) 1,3-Dichlorobenzene	11.21	146	52477	5.483	ug/L	97
63) 1,4-Dichlorobenzene	11.30	146	54464	5.629	ug/L	97
65) 1,2-Dichlorobenzene	11.67	146	55245	5.539	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	13108	5.904	ug/L	94
67) 1,3,5-Trichlorobenzene	12.67	180	35137	5.358	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	32545	5.226	ug/L	98
69) Naphthalene	13.53	128	64188	5.216	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	33703	5.253	ug/L	96

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



#2

Dichlorodifluoromethane

Concen: 5.467 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV015104.D

Acq: 23 Mar 2020 22:45

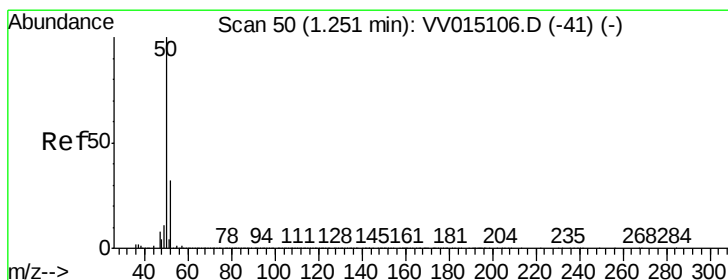
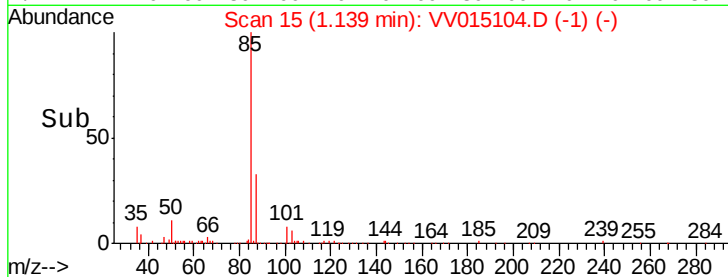
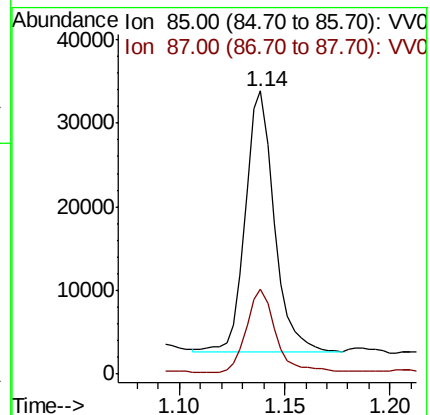
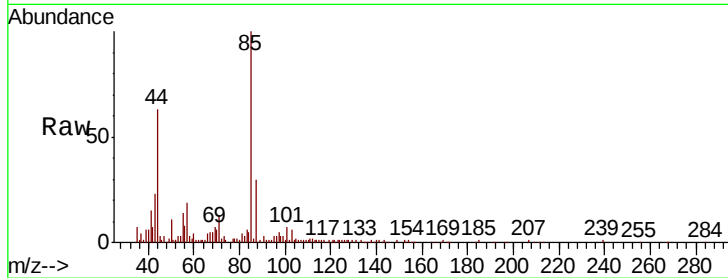
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 29426

Ion Ratio Lower Upper

85 100

87 31.9 26.6 39.8



#3

Chloromethane

Concen: 5.649 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV015104.D

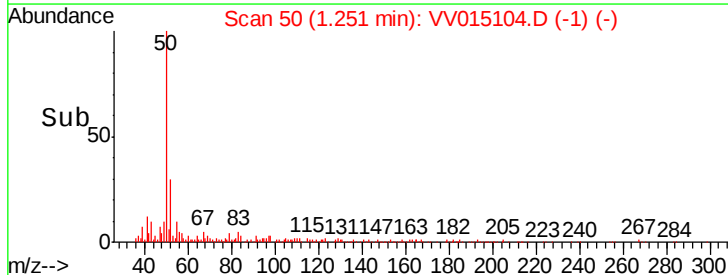
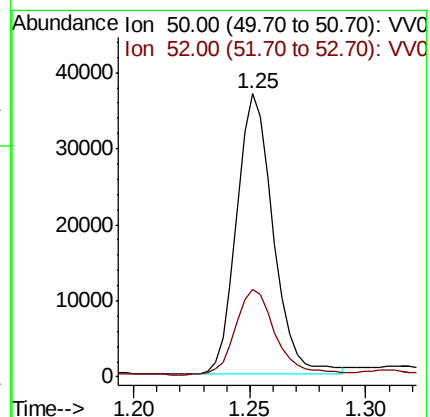
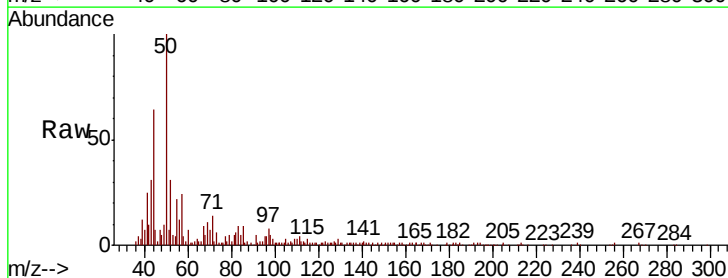
Acq: 23 Mar 2020 22:45

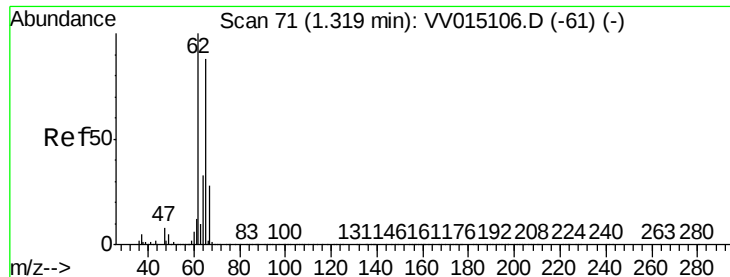
Tgt Ion: 50 Resp: 40256

Ion Ratio Lower Upper

50 100

52 31.0 22.7 42.1





#5

Vinyl chloride

Concen: 5.436 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV015104.D

Acq: 23 Mar 2020 22:45

Instrument :

MSVOA_V

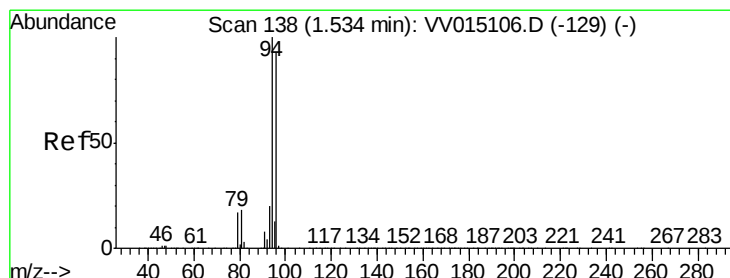
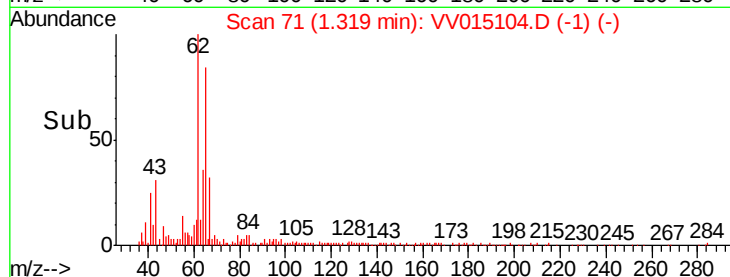
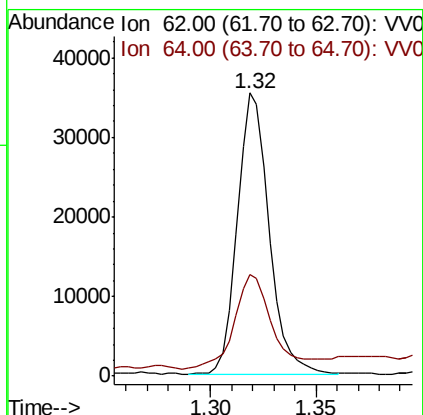
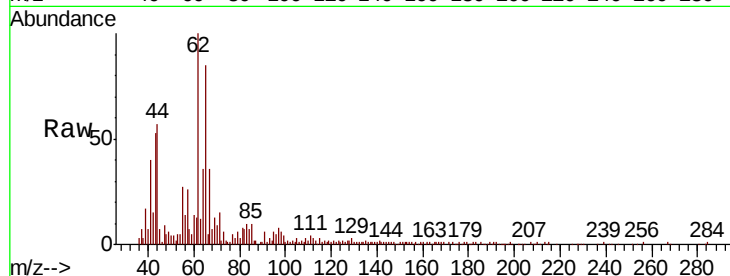
ClientSampleId :

Tot Ion: 62 Resp: 36768

Ion Ratio Lower Upper

62 100

64 36.0 23.6 43.8



#6

Bromomethane

Concen: 5.138 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV015104.D

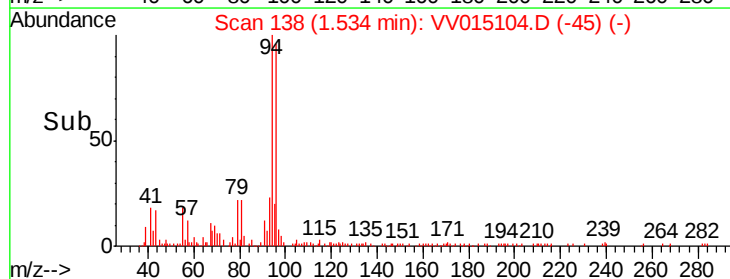
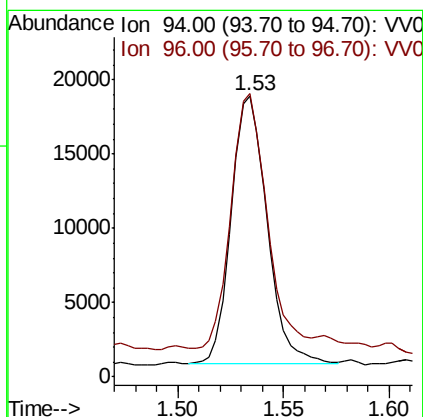
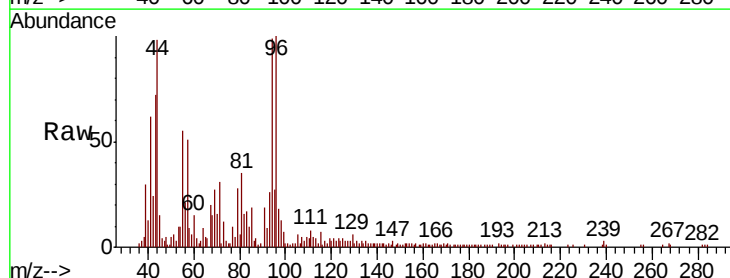
Acq: 23 Mar 2020 22:45

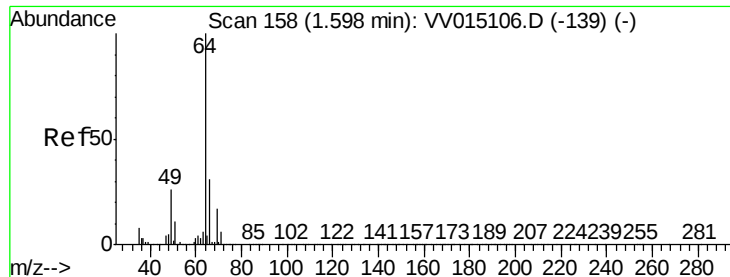
Tgt Ion: 94 Resp: 21255

Ion Ratio Lower Upper

94 100

96 100.7 65.9 122.3





#8

Chloroethane

Concen: 6.380 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV015104.D

Acq: 23 Mar 2020 22:45

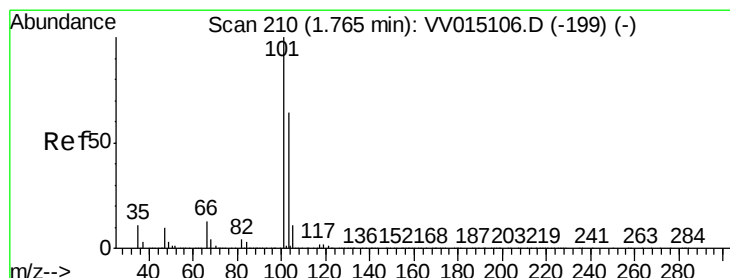
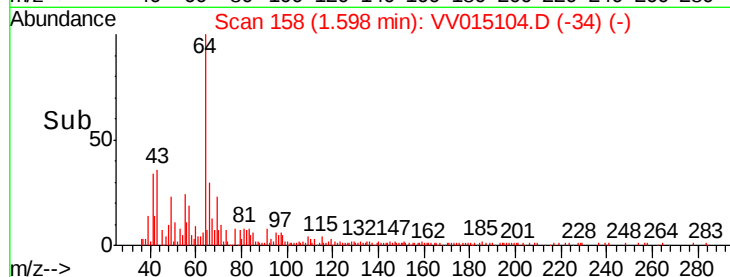
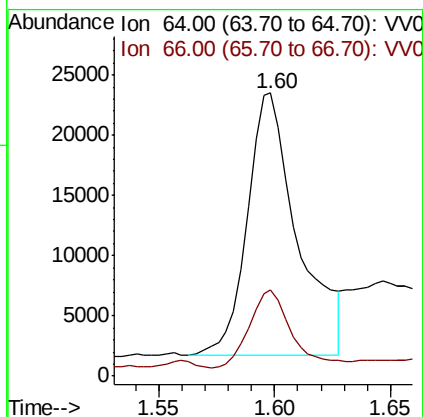
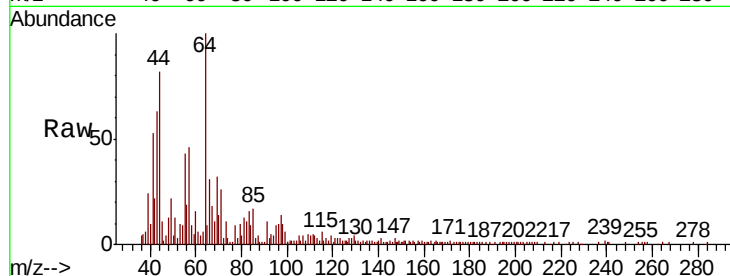
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 33135

Ion Ratio Lower Upper

64 100

66 30.7 22.0 41.0



#9

Trichlorofluoromethane

Concen: 5.122 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV015104.D

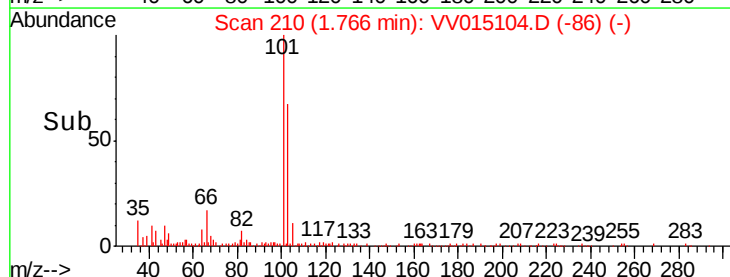
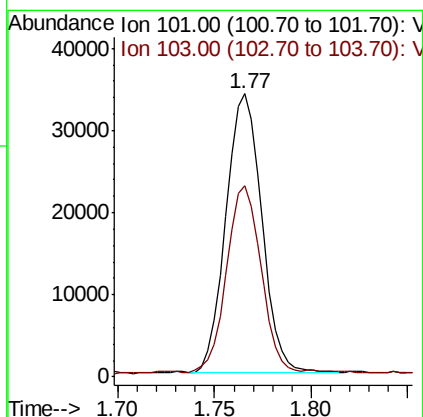
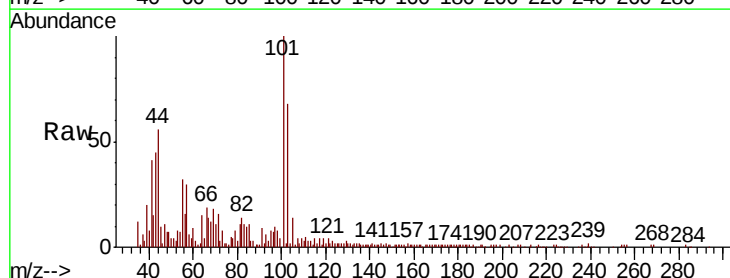
Acq: 23 Mar 2020 22:45

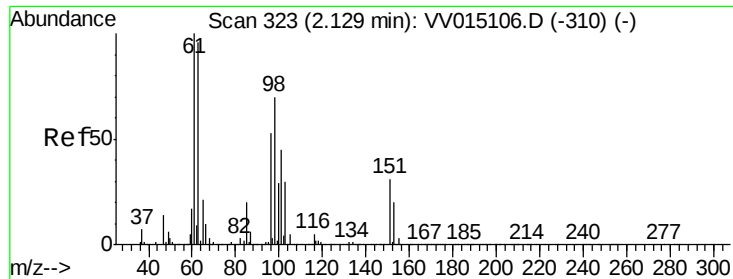
Tgt Ion: 101 Resp: 43667

Ion Ratio Lower Upper

101 100

103 63.8 52.0 78.0





#10

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

Concen: 5.411 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV015104.D

Acq: 23 Mar 2020 22:45

Instrument :

MSVOA_V

ClientSampleId :

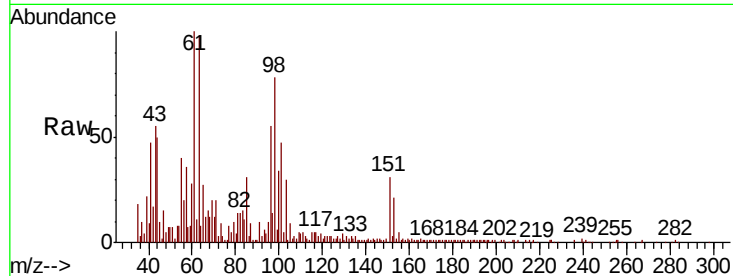
Tot Ion:101 Resp: 23118

Ion Ratio Lower Upper

101 100

85 46.5 37.2 55.8

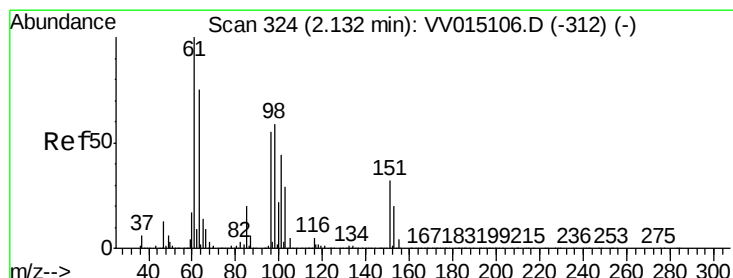
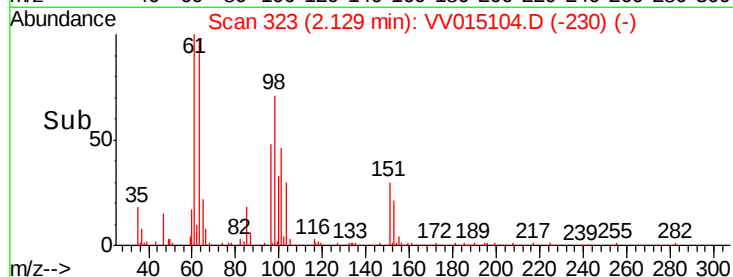
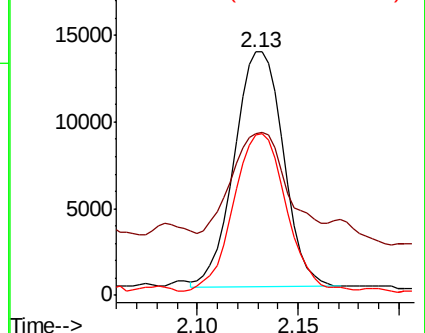
151 71.0 56.3 84.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.479 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV015104.D

Acq: 23 Mar 2020 22:45

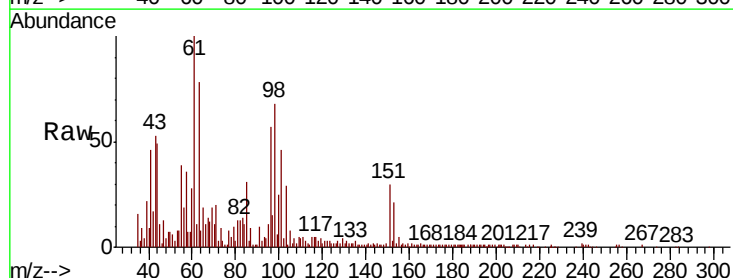
Tgt Ion: 96 Resp: 25186

Ion Ratio Lower Upper

96 100

61 174.1 127.4 236.6

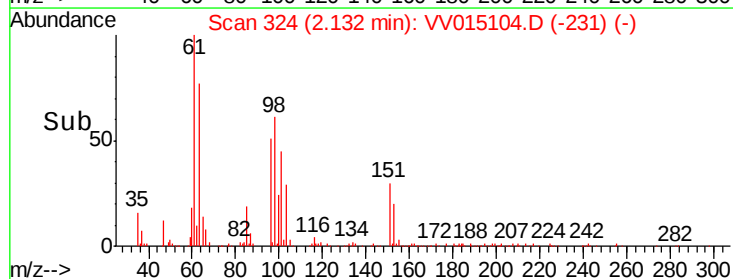
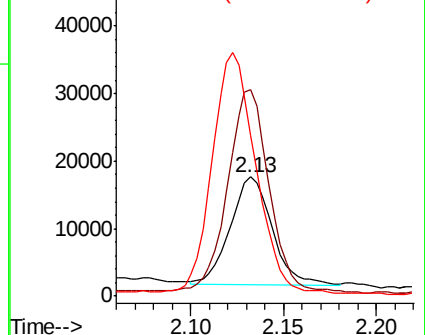
63 135.3 96.6 179.4

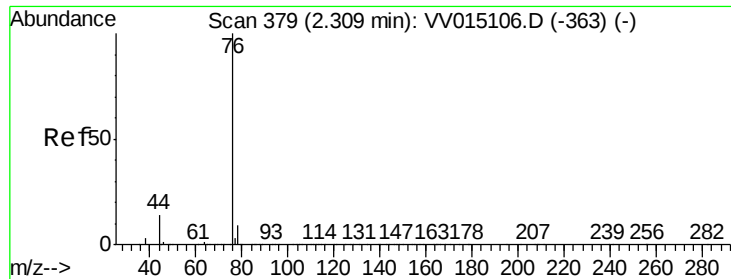


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0

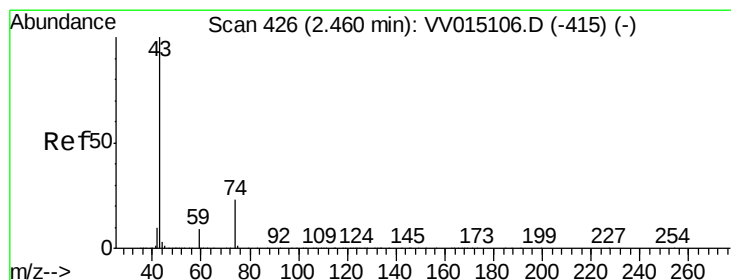
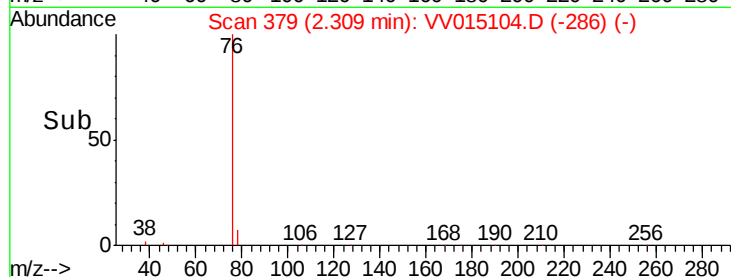
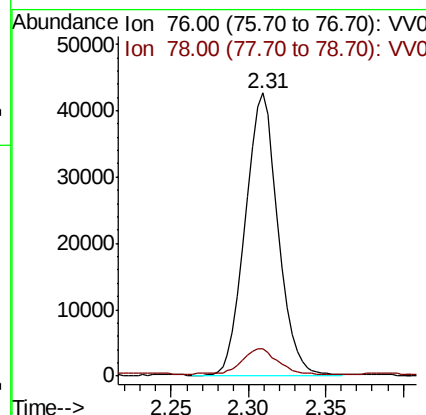
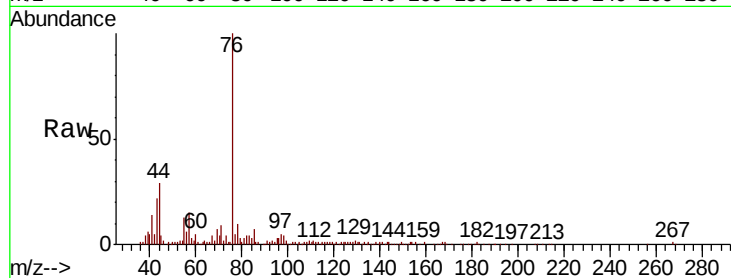




#14
Carbon disulfide
Concen: 5.346 ug/L
RT: 2.31 min Scan# 379
Delta R.T. 0.00 min
Lab File: VV015104.D
Acq: 23 Mar 2020 22:45

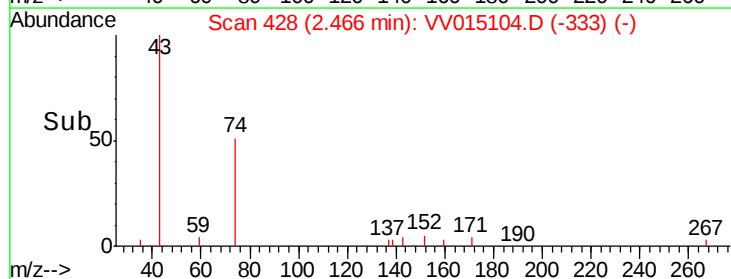
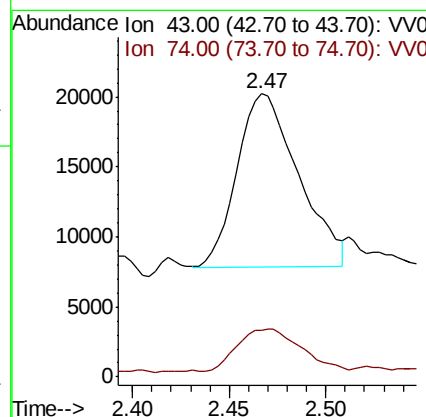
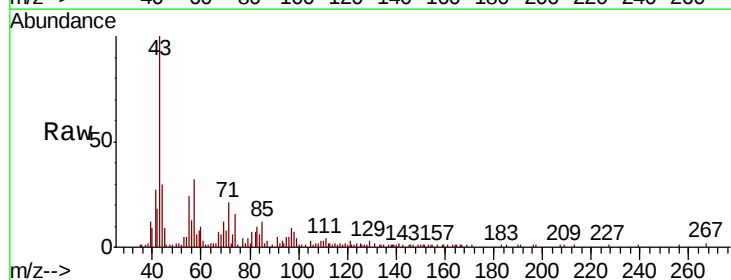
Instrument :
MSVOA_V
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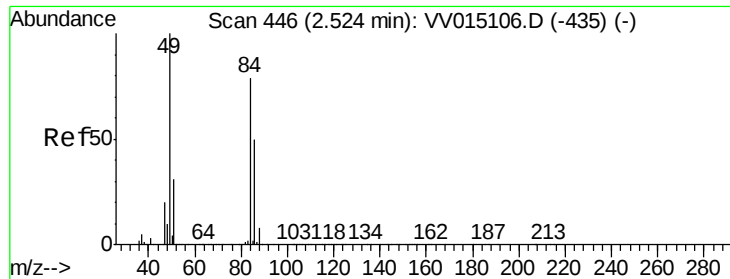
Tot Ion: 76 Resp: 63132
Ion Ratio Lower Upper
76 100
78 9.6 7.4 11.2



#15
Methyl Acetate
Concen: 4.613 ug/L
RT: 2.47 min Scan# 428
Delta R.T. 0.01 min
Lab File: VV015104.D
Acq: 23 Mar 2020 22:45

Tgt Ion: 43 Resp: 27578
Ion Ratio Lower Upper
43 100
74 25.8 18.8 28.2

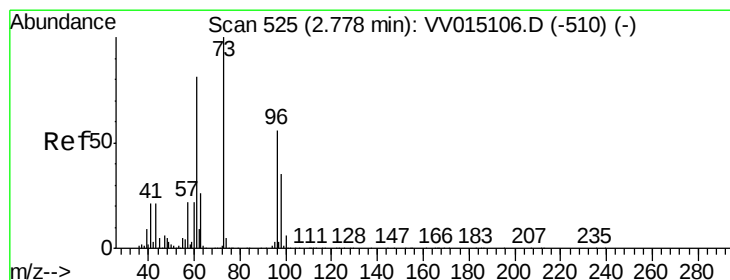
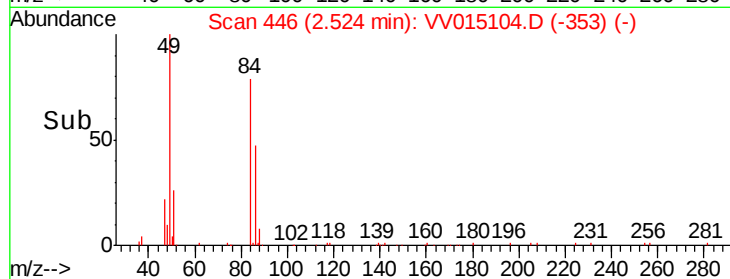
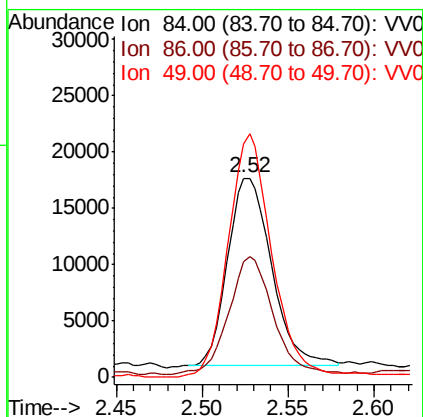
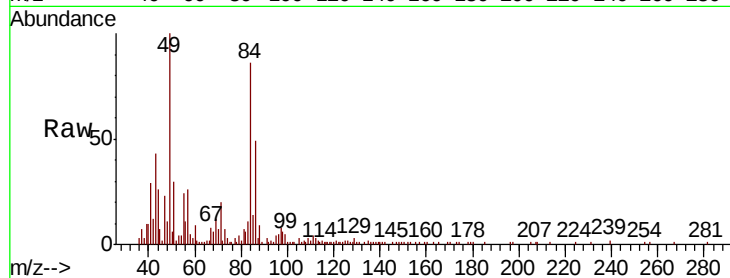




#16
Methylene chloride
Concen: 5.460 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV015104.D
Acq: 23 Mar 2020 22:45

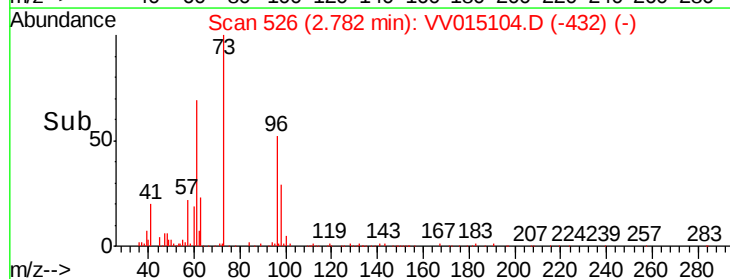
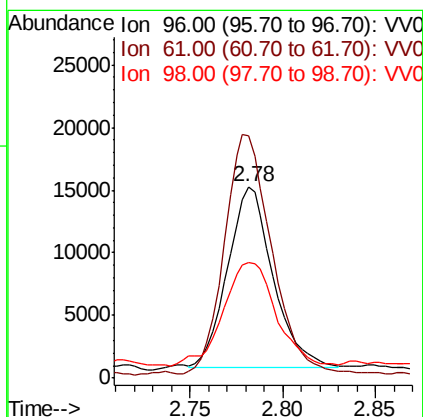
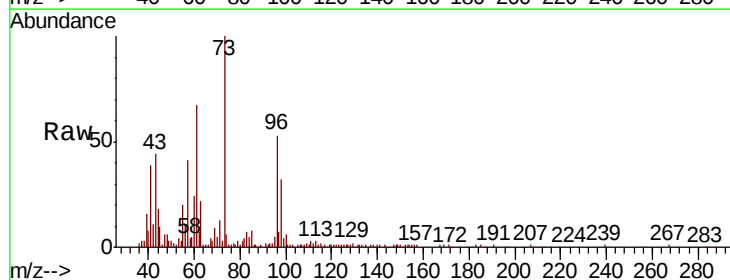
Instrument :
MSVOA_V
ClientSampleId :

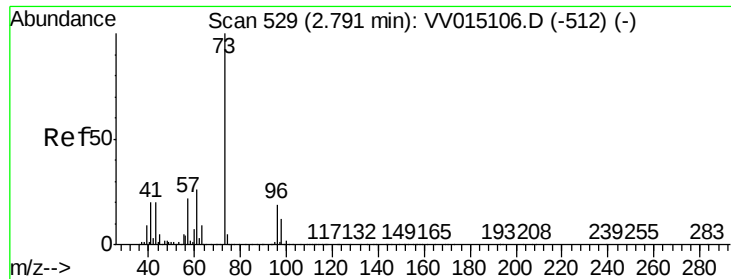
Tot Ion: 84 Resp: 29696
Ion Ratio Lower Upper
84 100
86 57.7 44.6 82.8
49 116.9 88.4 164.2



#17
trans-1,2-Dichloroethene
Concen: 5.401 ug/L
RT: 2.78 min Scan# 526
Delta R.T. 0.00 min
Lab File: VV015104.D
Acq: 23 Mar 2020 22:45

Tgt Ion: 96 Resp: 24657
Ion Ratio Lower Upper
96 100
61 127.0 101.7 188.9
98 60.6 44.5 82.7

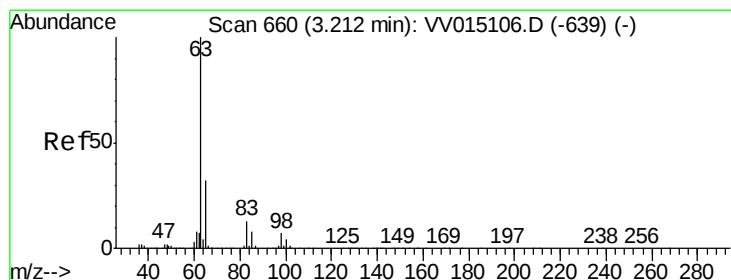
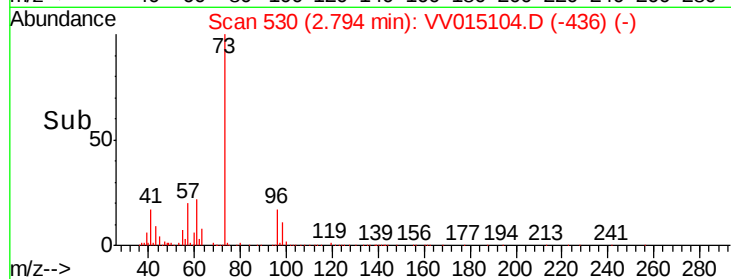
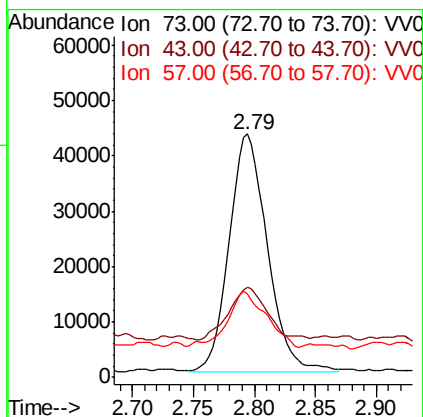
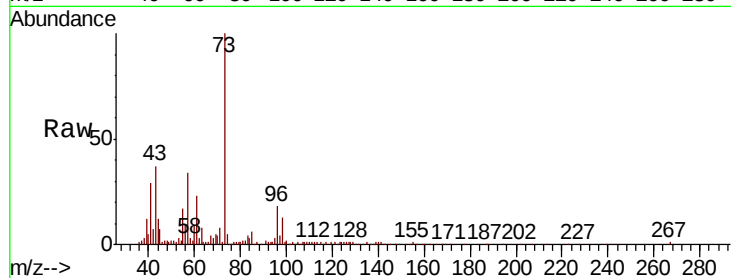




#18
Methvl tert-butvl Ether
Concen: 5.340 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.00 min
Lab File: VV015104.D
Acq: 23 Mar 2020 22:45

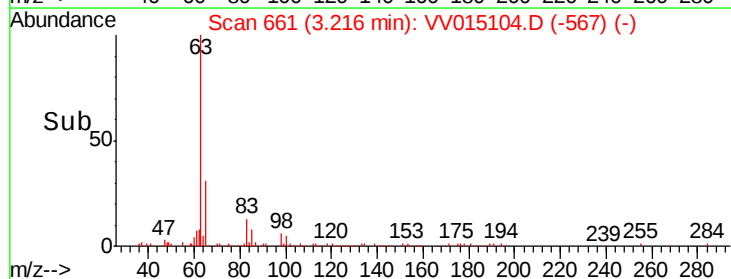
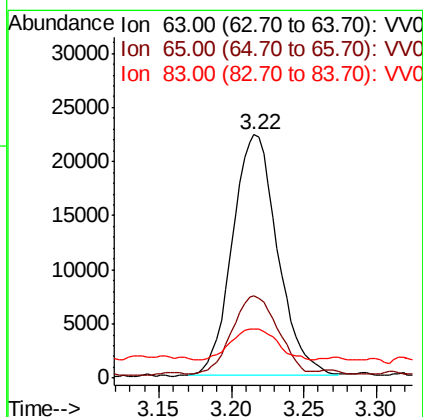
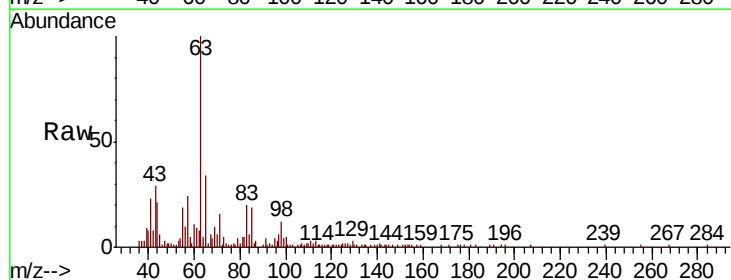
Instrument :
MSVOA_V
ClientSampled :

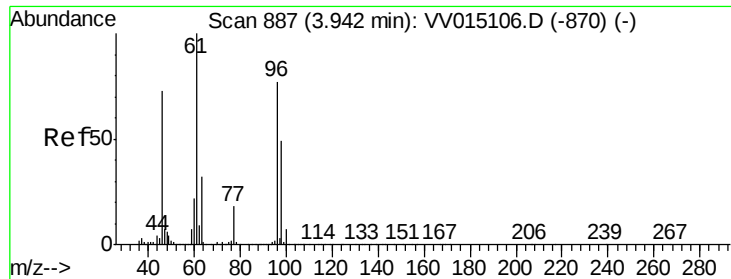
Tot Ion	Ratio	Lower	Upper
73	100		
43	21.7	16.7	25.1
57	23.4	17.8	26.8



#19
1,1-Dichloroethane
Concen: 5.176 ug/L
RT: 3.22 min Scan# 661
Delta R.T. 0.00 min
Lab File: VV015104.D
Acq: 23 Mar 2020 22:45

Tgt Ion	Ratio	Lower	Upper
63	100		
65	33.7	22.4	41.6
83	20.3	9.3	17.3#

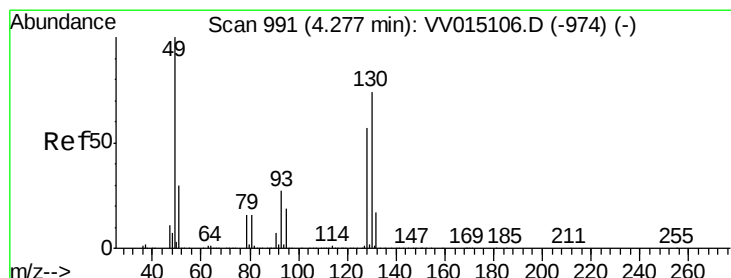
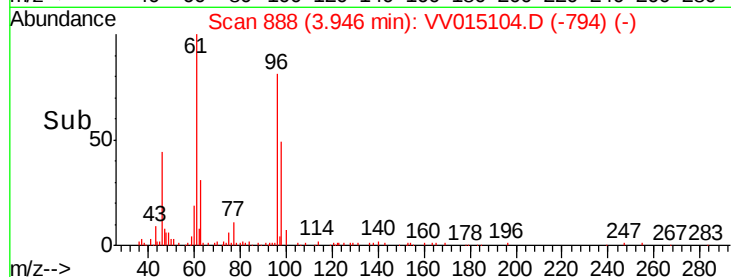
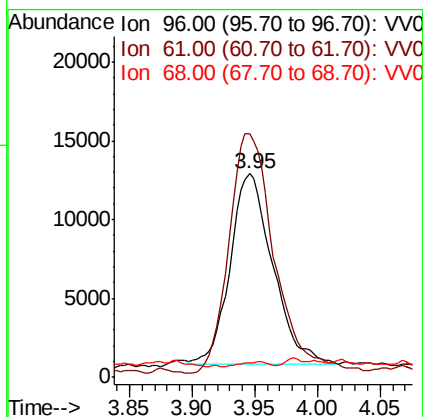
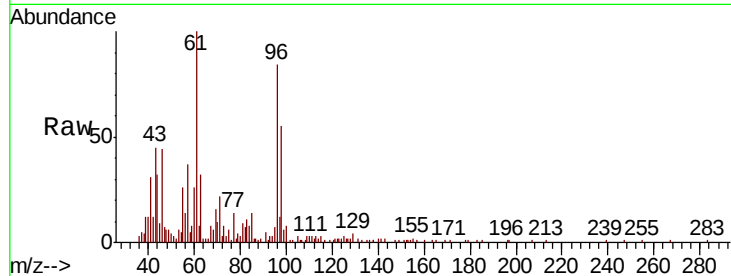




#20
 cis-1,2-Dichloroethene
 Concen: 5.287 ug/L
 RT: 3.95 min Scan# 888
 Delta R.T. 0.00 min
 Lab File: VV015104.D
 Acq: 23 Mar 2020 22:45

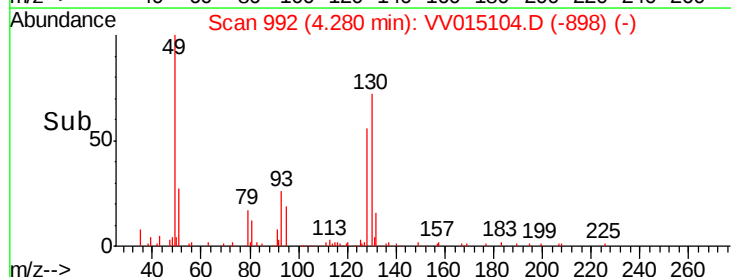
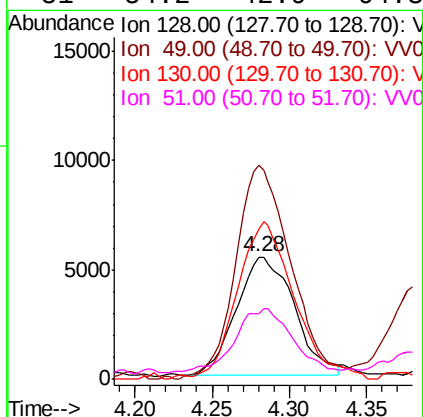
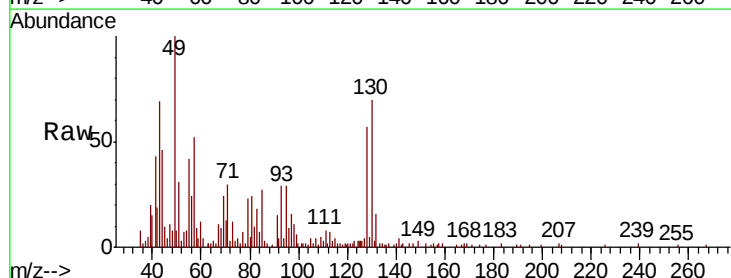
Instrument :
 MSVOA_V
 ClientSampleId :

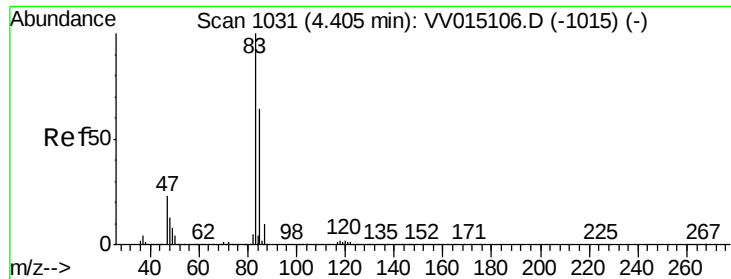
Tot Ion: 96 Resp: 28496
 Ion Ratio Lower Upper
 96 100
 61 119.5 90.2 167.4
 68 7.2 0.3 0.7#



#23
 Bromochloromethane
 Concen: 5.289 ug/L
 RT: 4.28 min Scan# 992
 Delta R.T. 0.00 min
 Lab File: VV015104.D
 Acq: 23 Mar 2020 22:45

Tgt Ion:128 Resp: 14165
 Ion Ratio Lower Upper
 128 100
 49 175.6 122.4 227.2
 130 122.9 90.5 168.1
 51 54.2 42.9 64.3

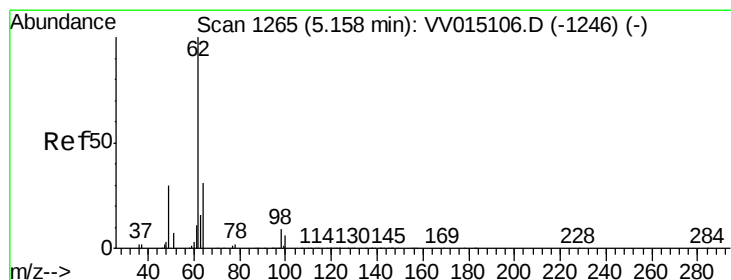
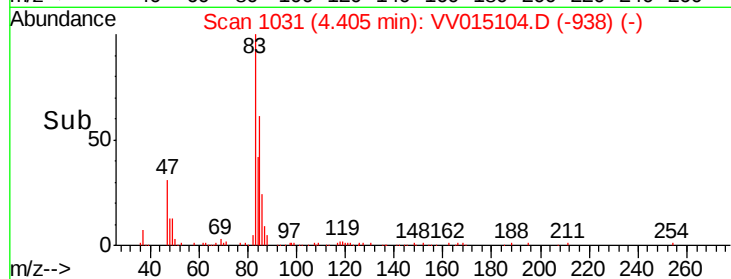
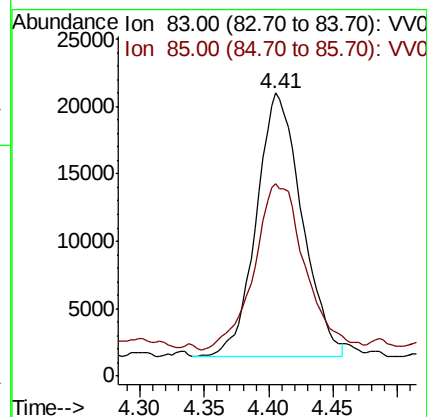
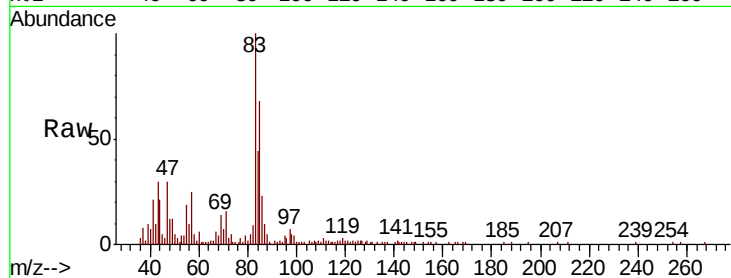




#25
Chloroform
Concen: 5.179 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV015104.D
Acq: 23 Mar 2020 22:45

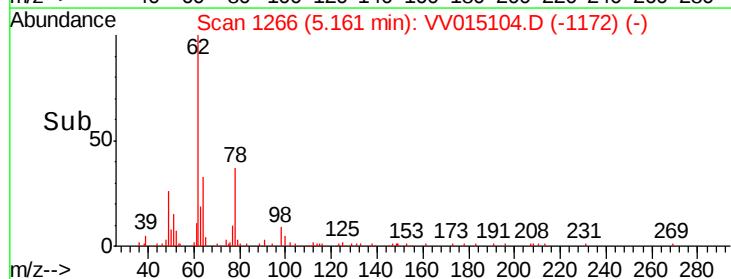
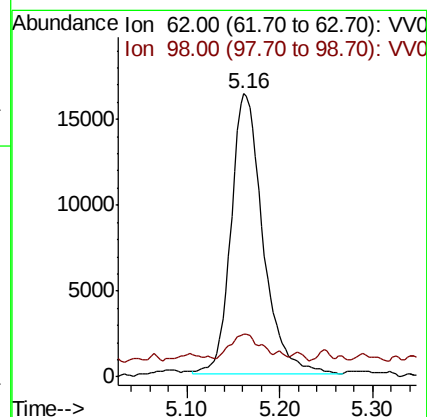
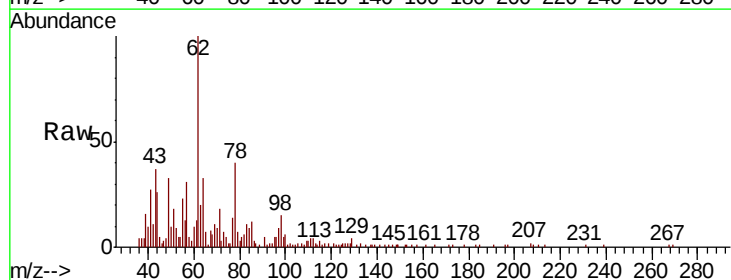
Instrument :
MSVOA_V
ClientSampleId :

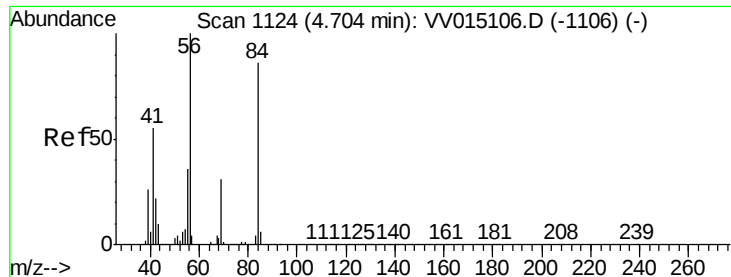
Tot Ion: 83 Resp: 48090
Ion Ratio Lower Upper
83 100
85 68.0 45.8 85.0



#27
1,2-Dichloroethane
Concen: 5.283 ug/L
RT: 5.16 min Scan# 1266
Delta R.T. 0.00 min
Lab File: VV015104.D
Acq: 23 Mar 2020 22:45

Tgt Ion: 62 Resp: 39069
Ion Ratio Lower Upper
62 100
98 14.9 8.0 12.0#

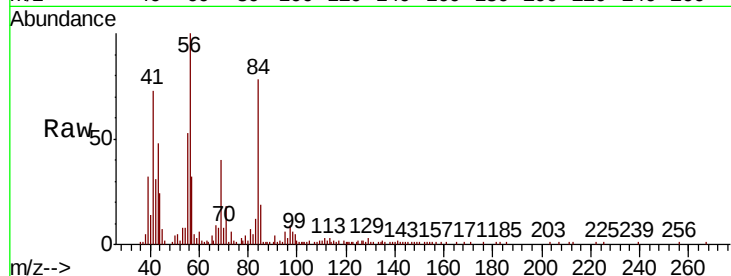




#29
Cyclohexane
Concen: 5.730 ug/L
RT: 4.70 min Scan# 1124
Delta R.T. 0.00 min
Lab File: VV015104.D
Acq: 23 Mar 2020 22:45

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	56	Resp	41067
Ion	Ratio	Lower	Upper
56	100		
69	31.3	24.8	37.2
84	80.6	68.9	103.3

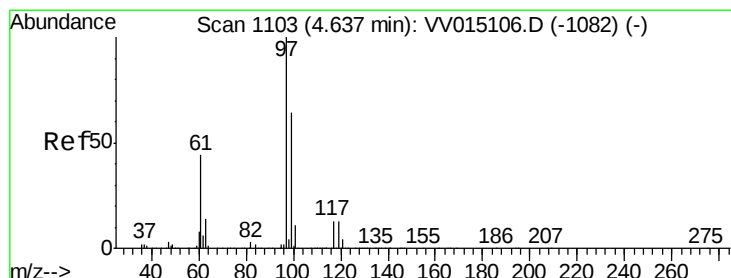
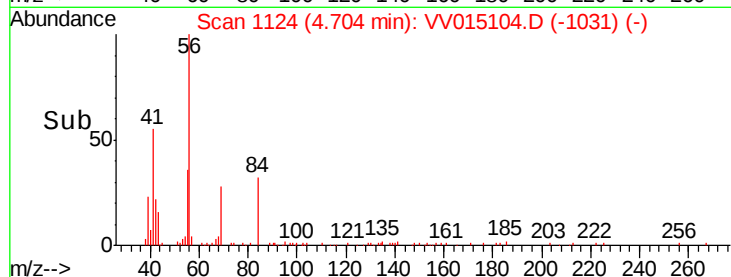
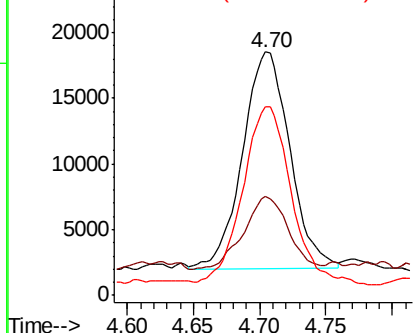


Abundance

Ion 56.00 (55.70 to 56.70): VV0

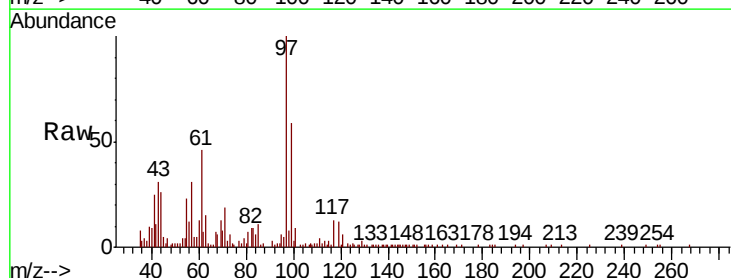
Ion 69.00 (68.70 to 69.70): VV0

Ion 84.00 (83.70 to 84.70): VV0



#30
1,1,1-Trichloroethane
Concen: 5.528 ug/L
RT: 4.64 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VV015104.D
Acq: 23 Mar 2020 22:45

Tgt Ion	97	Resp	41677
Ion	Ratio	Lower	Upper
97	100		
99	65.1	52.4	78.6
61	43.3	35.3	52.9

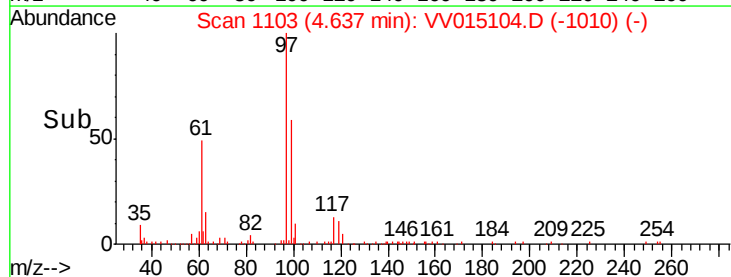
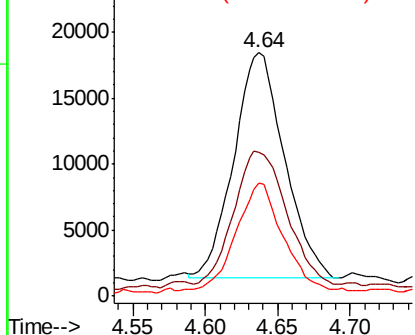


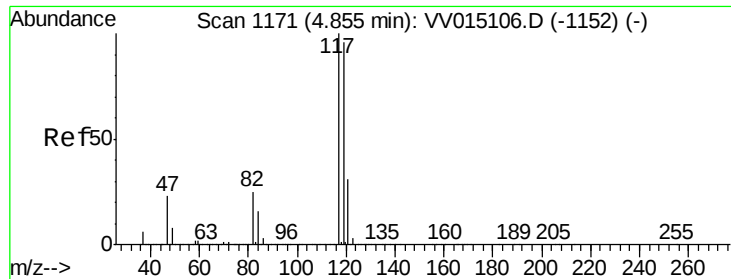
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

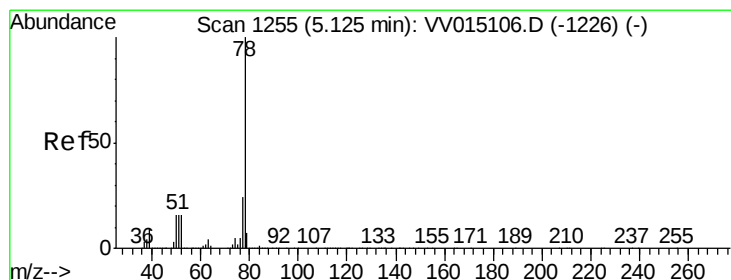
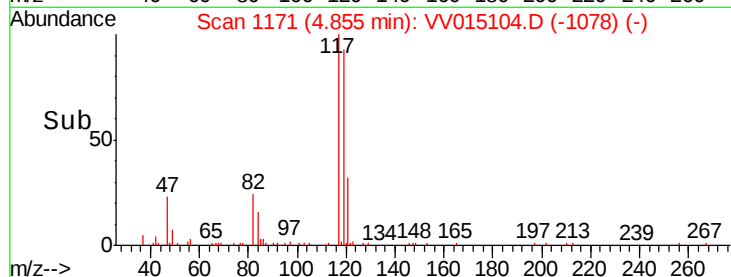
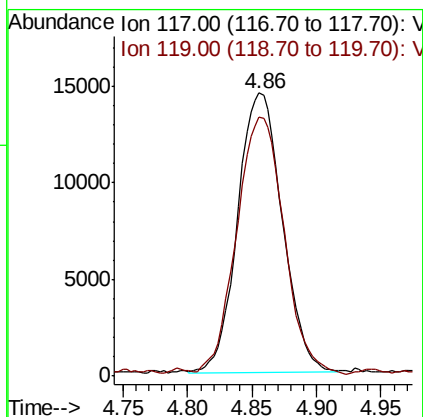
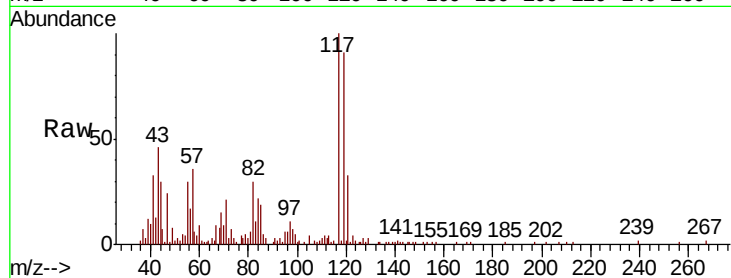




#31
Carbon tetrachloride
Concen: 5.496 ug/L
RT: 4.86 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VV015104.D
Acq: 23 Mar 2020 22:45

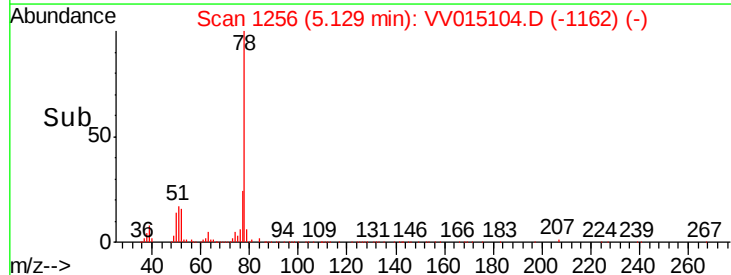
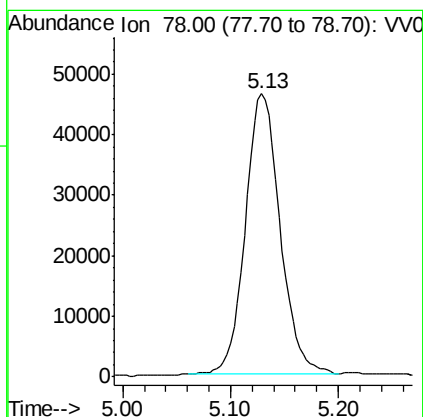
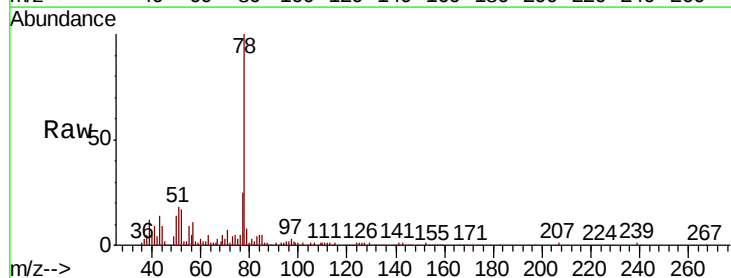
Instrument :
MSVOA_V
ClientSampleId :

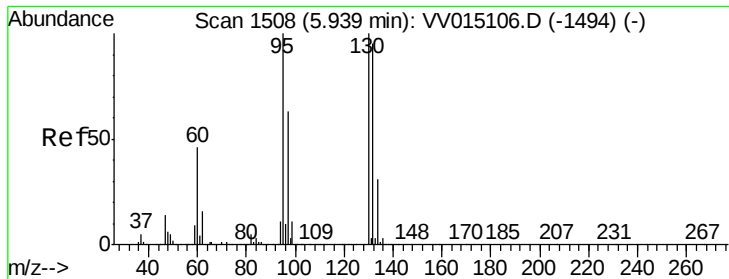
Tot Ion:117 Resp: 34939
Ion Ratio Lower Upper
117 100
119 97.6 76.1 114.1



#33
Benzene
Concen: 5.302 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. 0.00 min
Lab File: VV015104.D
Acq: 23 Mar 2020 22:45

Tgt Ion: 78 Resp: 103655





#34

Trichloroethene

Concen: 5.344 ug/L

RT: 5.94 min Scan# 1509

Delta R.T. 0.00 min

Lab File: VV015104.D

Acq: 23 Mar 2020 22:45

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 95 Resp: 25170

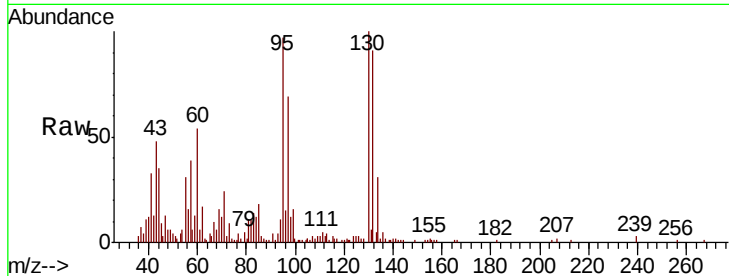
Ion Ratio Lower Upper

95 100

97 71.2 45.0 83.6

132 93.3 66.4 123.2

130 103.0 69.8 129.6



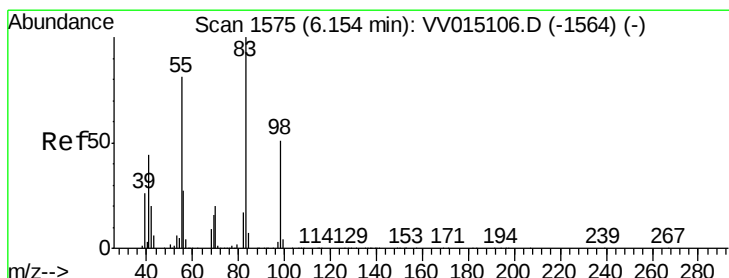
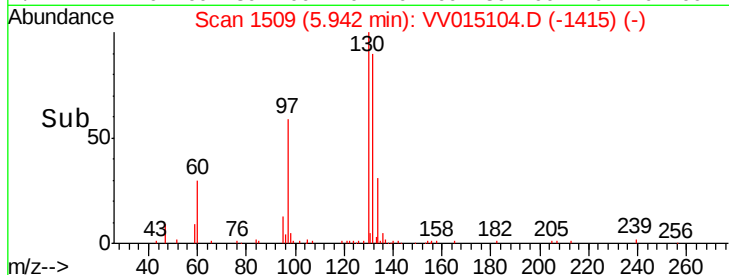
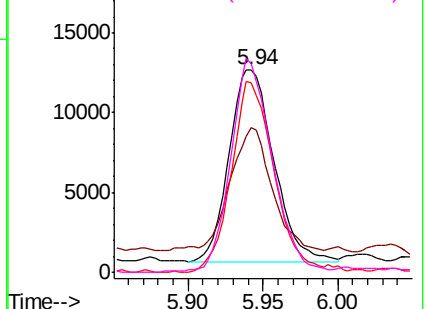
Abundance

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): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 5.340 ug/L

RT: 6.16 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VV015104.D

Acq: 23 Mar 2020 22:45

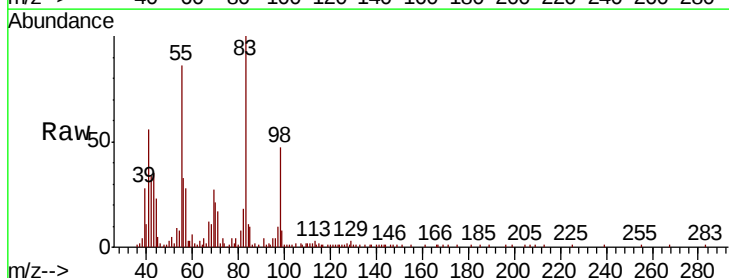
Tgt Ion: 83 Resp: 37118

Ion Ratio Lower Upper

83 100

55 83.3 61.8 92.8

98 52.0 38.1 57.1

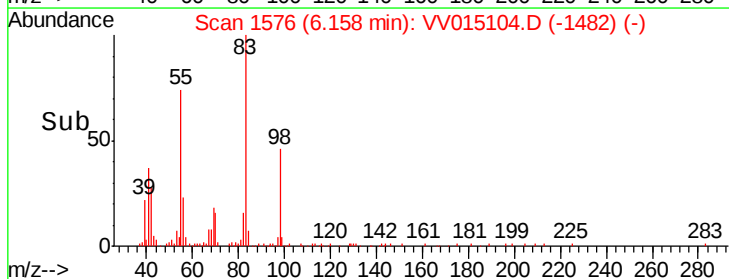
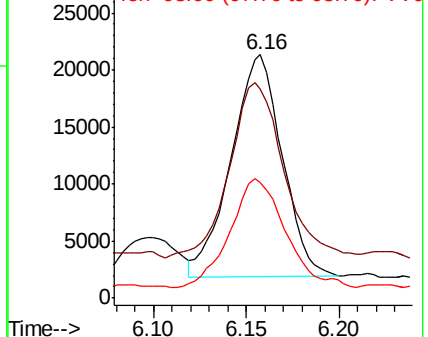


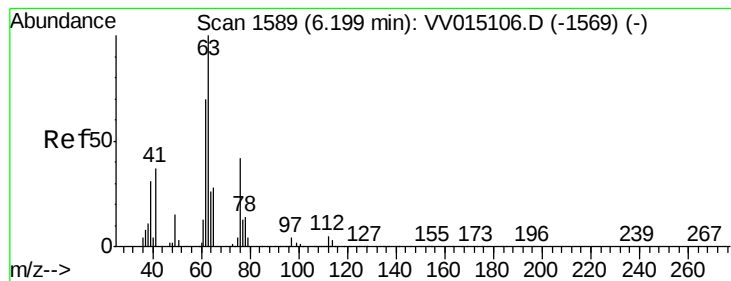
Abundance

Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 5.367 ug/L

RT: 6.20 min Scan# 1590

Delta R.T. 0.00 min

Lab File: VV015104.D

Acq: 23 Mar 2020 22:45

Instrument :

MSVOA_V

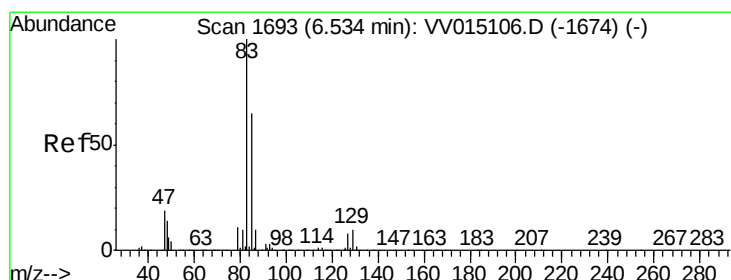
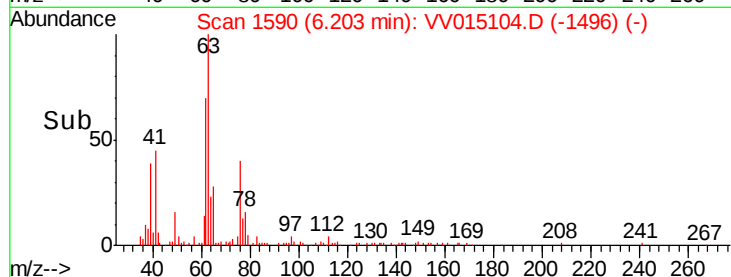
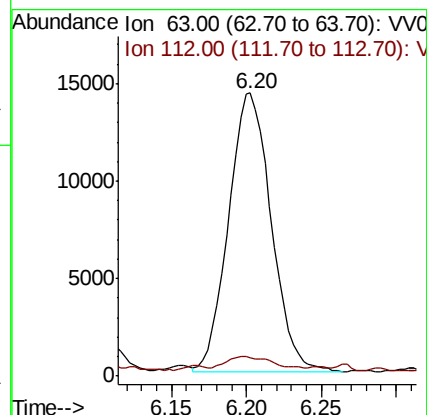
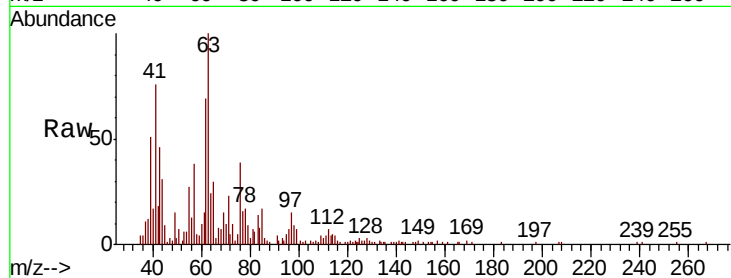
ClientSampleId :

Tot Ion: 63 Resp: 28271

Ion Ratio Lower Upper

63 100

112 5.9 3.6 5.4#



#38

Bromodichloromethane

Concen: 5.343 ug/L

RT: 6.54 min Scan# 1694

Delta R.T. 0.00 min

Lab File: VV015104.D

Acq: 23 Mar 2020 22:45

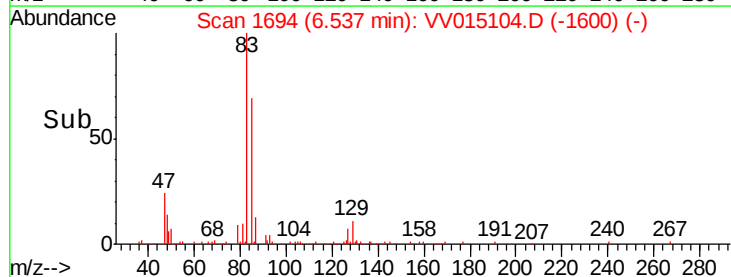
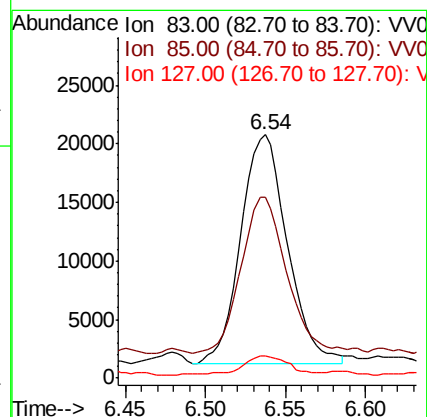
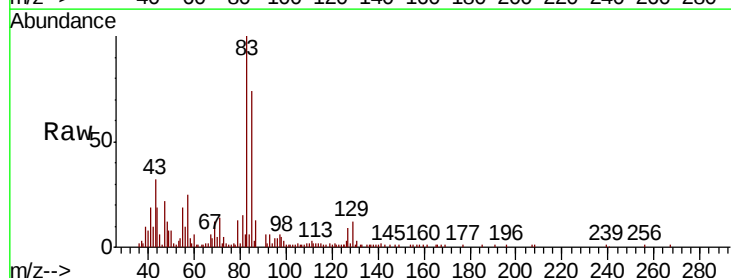
Tgt Ion: 83 Resp: 38735

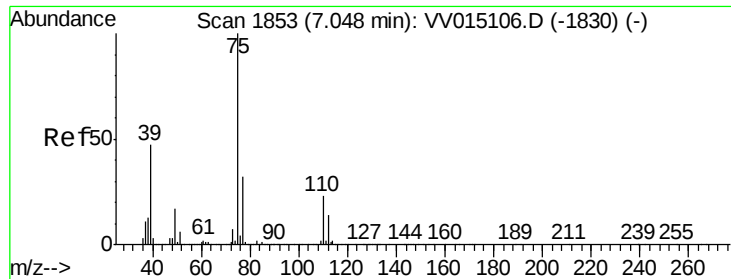
Ion Ratio Lower Upper

83 100

85 74.1 45.6 84.8

127 8.9 6.5 9.7



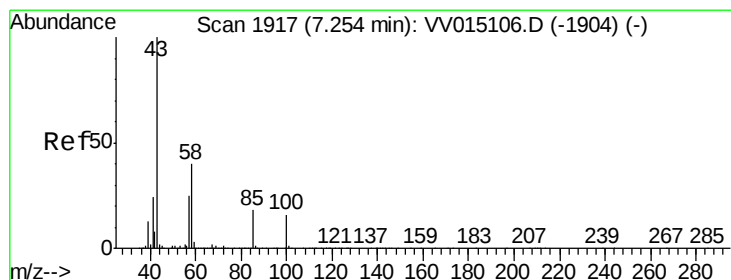
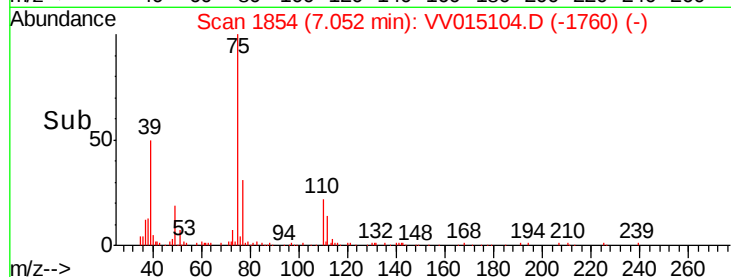
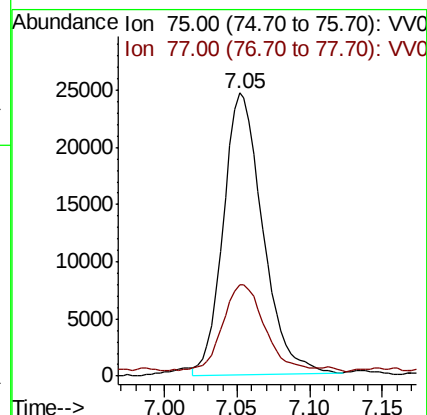
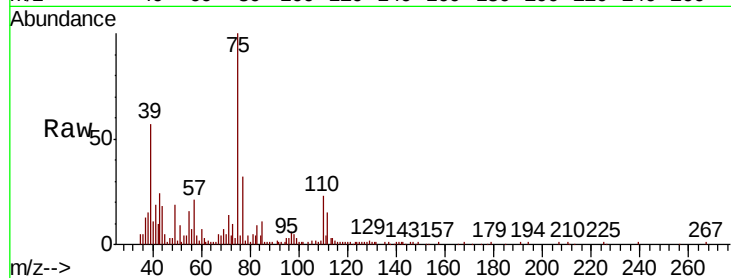


#39

cis-1,3-Dichloropropene
 Concen: 5.387 ug/L
 RT: 7.05 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VV015104.D
 Acq: 23 Mar 2020 22:45

Instrument :
 MSVOA_V
 ClientSampleId :

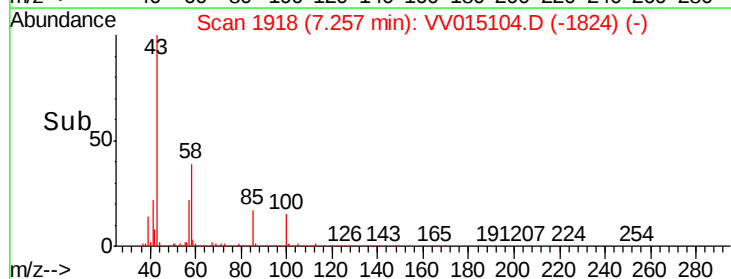
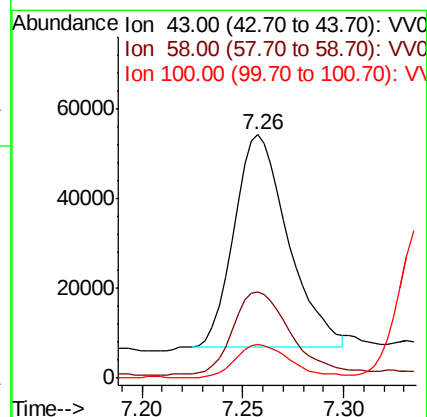
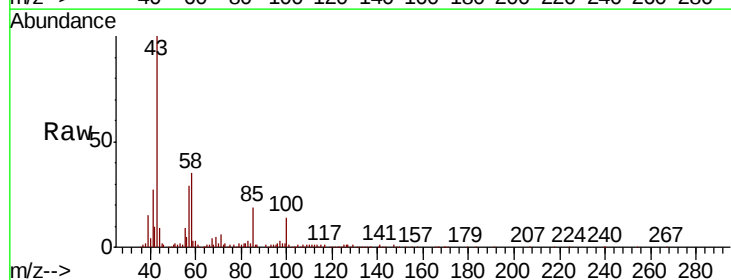
Tot Ion: 75 Resp: 46382
 Ion Ratio Lower Upper
 75 100
 77 32.2 22.3 41.5

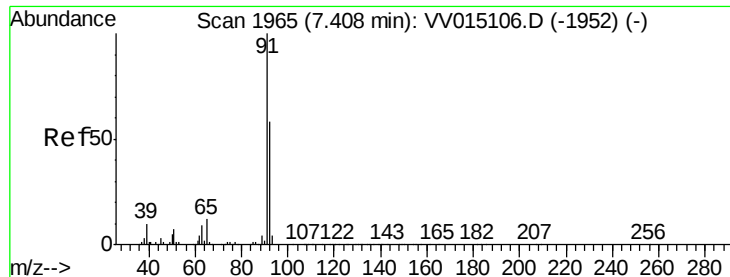


#40

4-Methyl-2-pentanone
 Concen: 10.138 ug/L
 RT: 7.26 min Scan# 1918
 Delta R.T. 0.00 min
 Lab File: VV015104.D
 Acq: 23 Mar 2020 22:45

Tgt Ion: 43 Resp: 88374
 Ion Ratio Lower Upper
 43 100
 58 41.2 31.8 47.8
 100 15.8 12.2 18.4





#42

Toluene

Concen: 5.400 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV015104.D

Acq: 23 Mar 2020 22:45

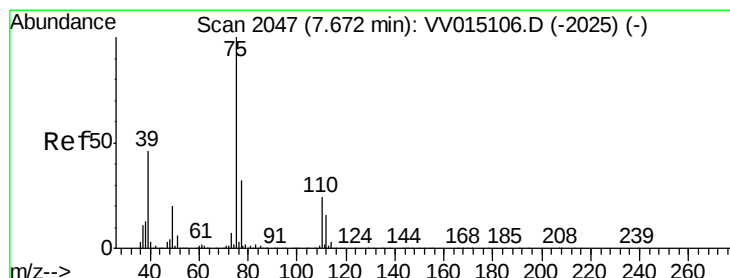
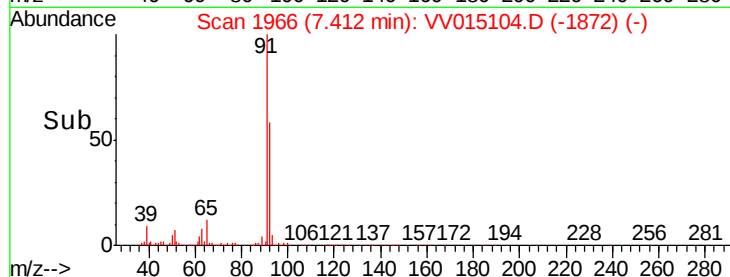
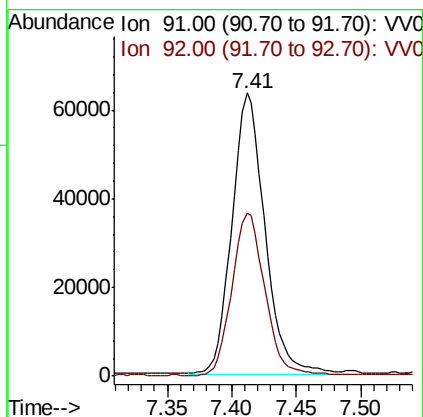
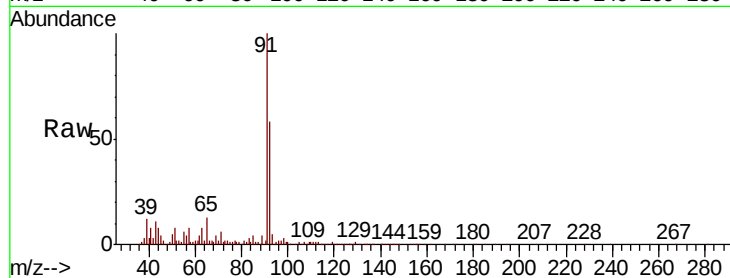
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 112469

Ion Ratio Lower Upper

91 100

92 57.6 40.3 74.8



#44

trans-1,3-Dichloropropene

Concen: 5.151 ug/L

RT: 7.68 min Scan# 2048

Delta R.T. 0.00 min

Lab File: VV015104.D

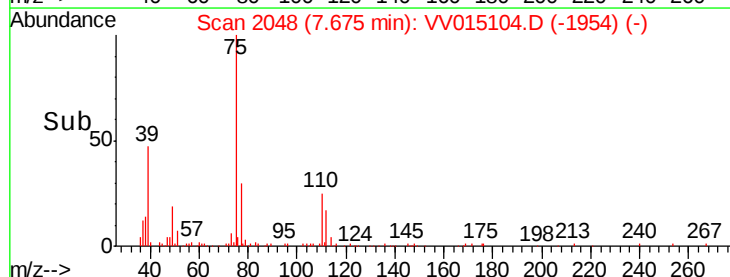
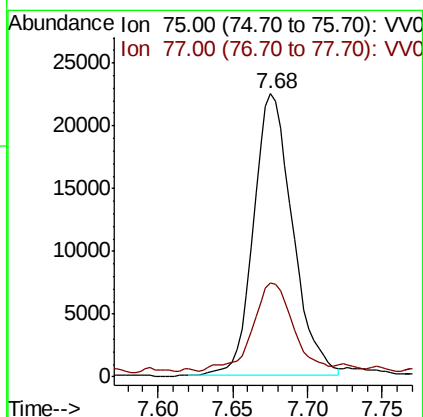
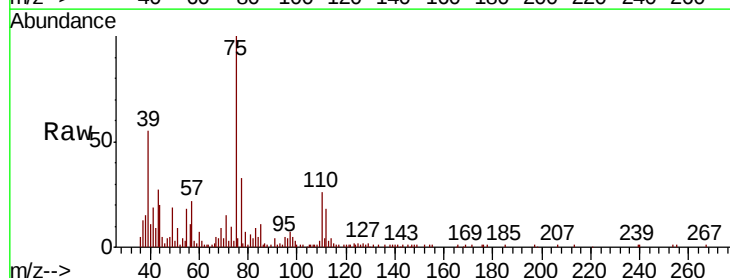
Acq: 23 Mar 2020 22:45

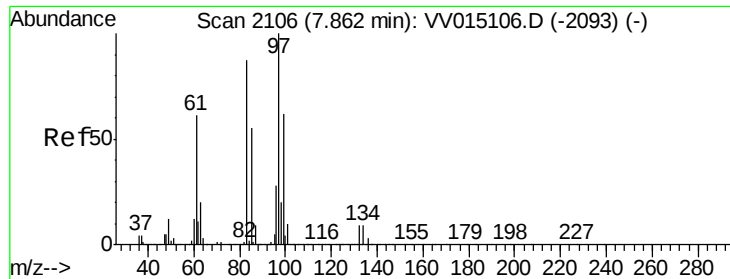
Tgt Ion: 75 Resp: 40812

Ion Ratio Lower Upper

75 100

77 33.0 22.2 41.2

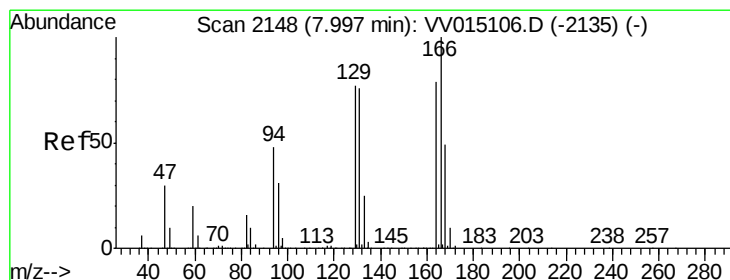
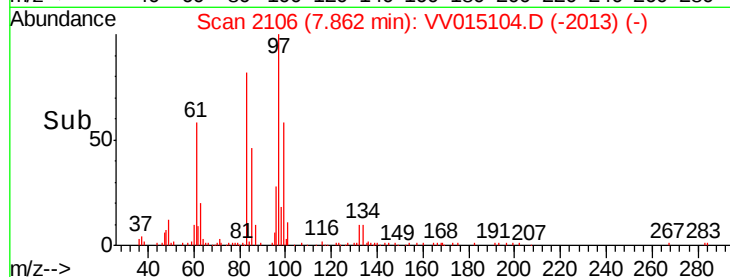
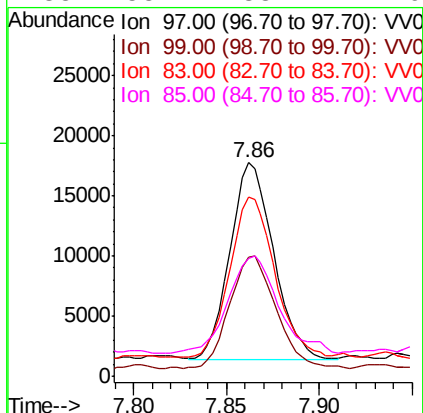
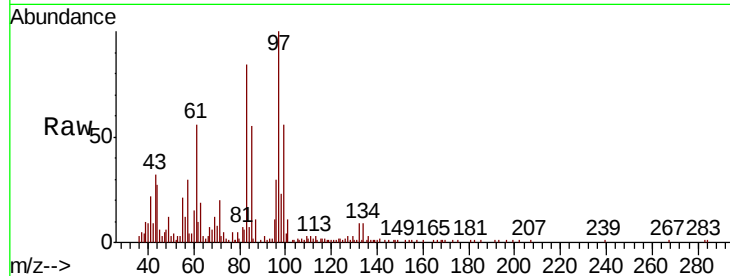




#45
 1,1,2-Trichloroethane
 Concen: 5.318 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VV015104.D
 Acq: 23 Mar 2020 22:45

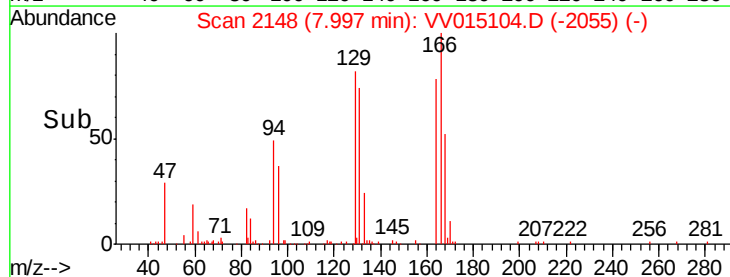
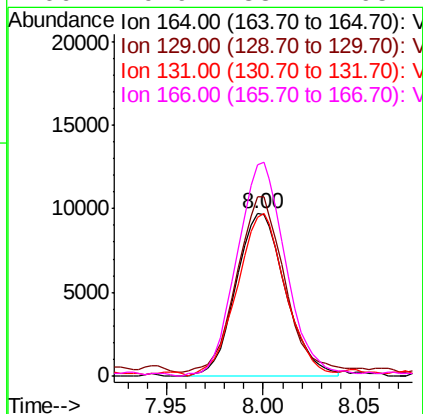
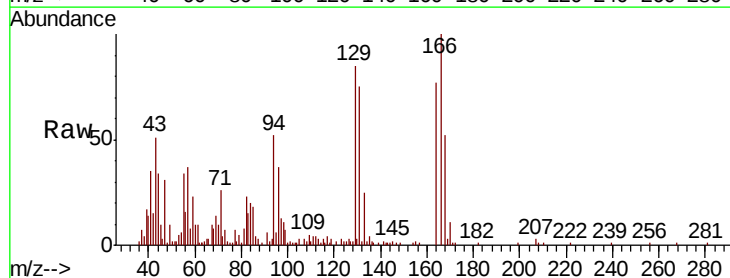
Instrument :
 MSVOA_V
 ClientSampled :

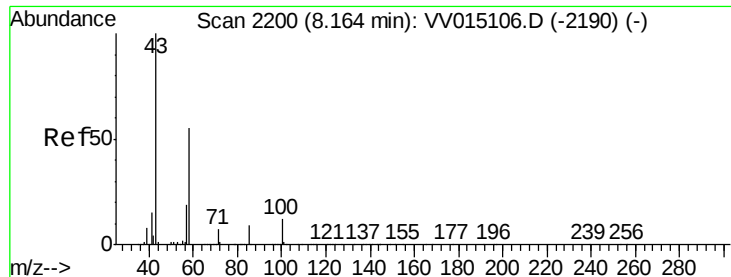
Tot Ion:	97	Resp:	26727
Ion	Ratio	Lower	Upper
97	100		
99	56.0	43.8	81.3
83	84.0	61.0	113.4
85	55.2	38.7	71.9



#46
 Tetrachloroethene
 Concen: 5.263 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV015104.D
 Acq: 23 Mar 2020 22:45

Tgt Ion:	164	Resp:	17282
Ion	Ratio	Lower	Upper
164	100		
129	110.4	68.3	126.8
131	97.9	67.3	125.1
166	129.9	88.1	163.7

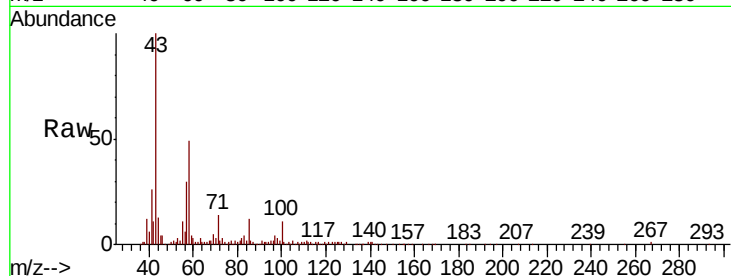




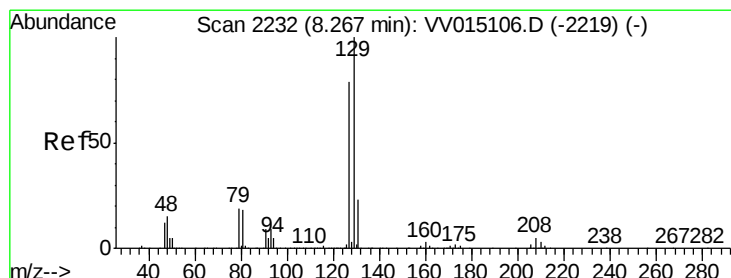
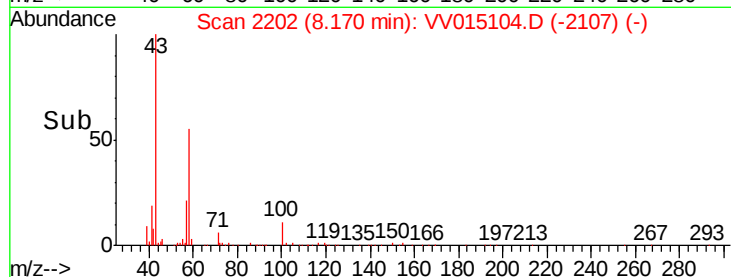
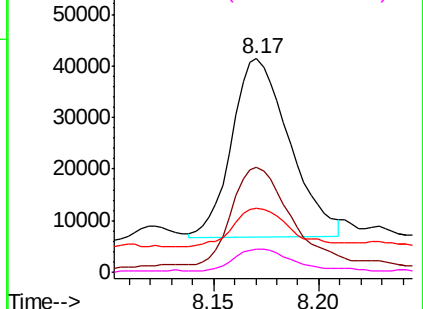
#48
2-Hexanone
Concen: 9.747 ug/L
RT: 8.17 min Scan# 2202
Delta R.T. 0.01 min
Lab File: VV015104.D
Acq: 23 Mar 2020 22:45

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	43	Resp:	65384
Ion	Ratio	Lower	Upper
43	100		
58	55.1	44.2	66.2
57	20.8	14.0	21.0
100	11.7	9.6	14.4

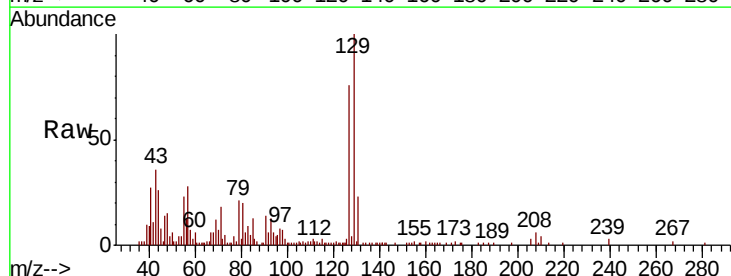


Abundance Ion 43.00 (42.70 to 43.70): VV015104.D (-2190) (-)
Ion 58.00 (57.70 to 58.70): VV015104.D (-2190) (-)
Ion 57.00 (56.70 to 57.70): VV015104.D (-2190) (-)
Ion 100.00 (99.70 to 100.70): VV015104.D (-2190) (-)

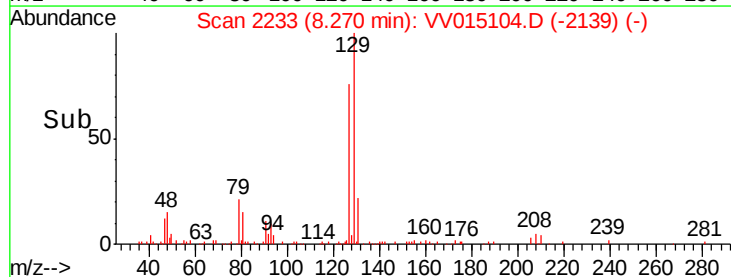
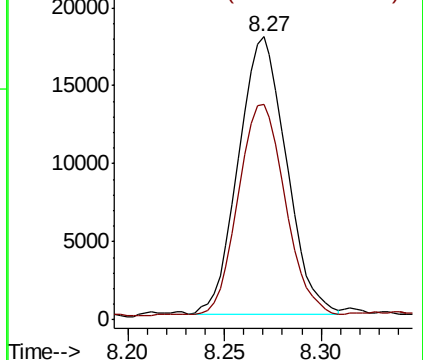


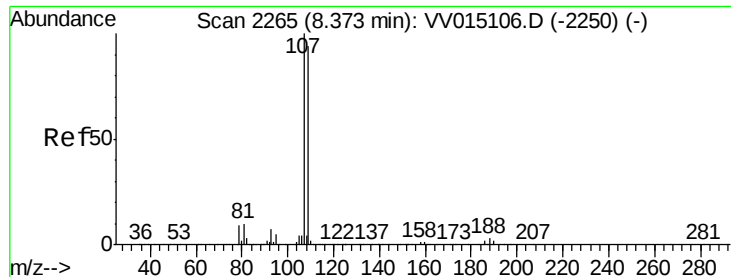
#49
Dibromochloromethane
Concen: 5.273 ug/L
RT: 8.27 min Scan# 2233
Delta R.T. 0.00 min
Lab File: VV015104.D
Acq: 23 Mar 2020 22:45

Tgt Ion:	129	Resp:	30594
Ion	Ratio	Lower	Upper
129	100		
127	76.2	55.2	102.6



Abundance Ion 129.00 (128.70 to 129.70): VV015104.D (-2139) (-)
Ion 127.00 (126.70 to 127.70): VV015104.D (-2139) (-)

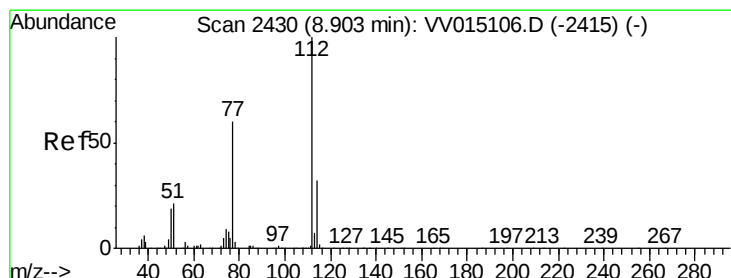
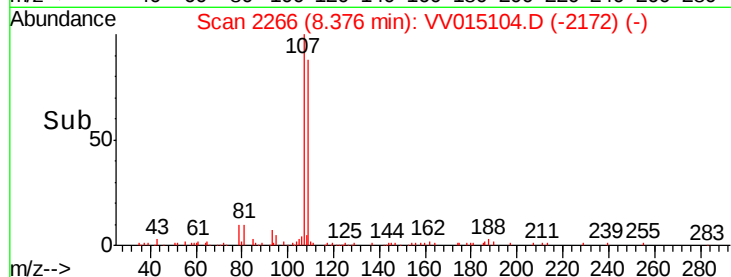
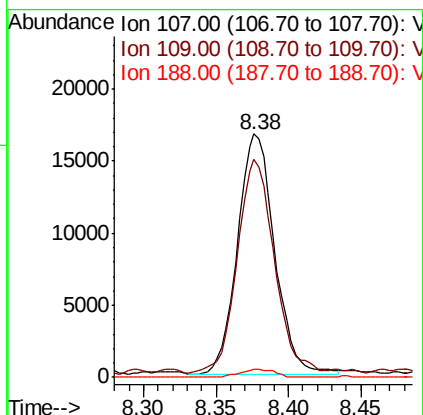
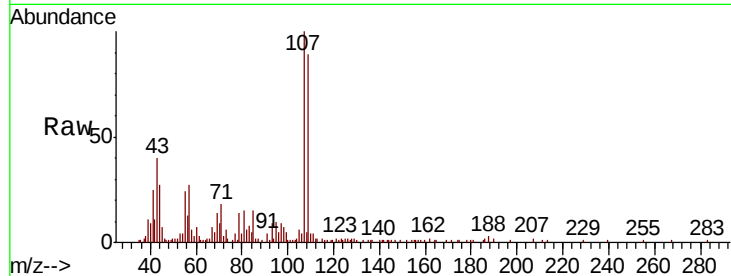




#50
 1,2-Dibromoethane
 Concen: 5.411 ug/L
 RT: 8.38 min Scan# 2266
 Delta R.T. 0.00 min
 Lab File: VV015104.D
 Acq: 23 Mar 2020 22:45

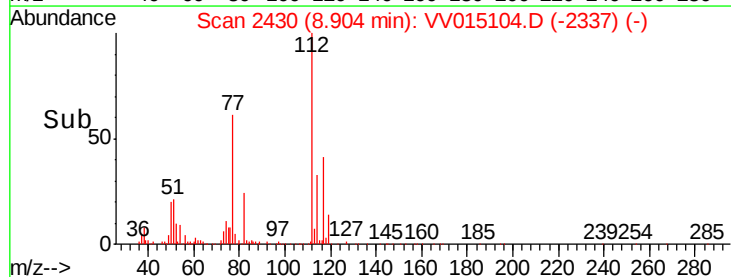
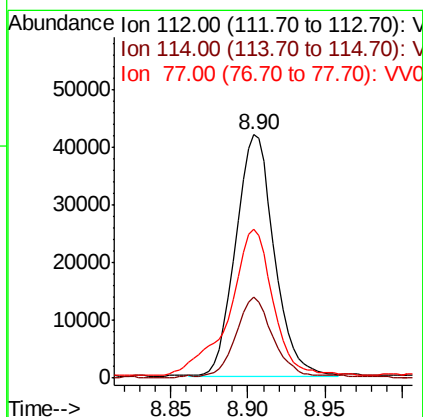
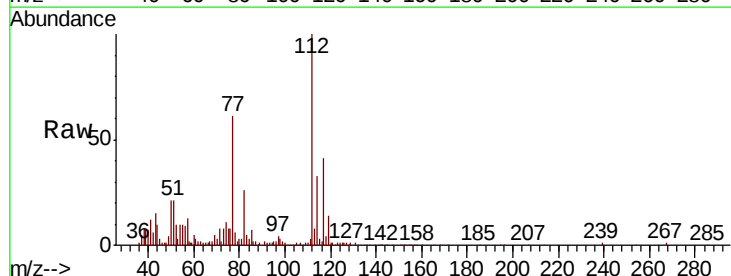
Instrument :
 MSVOA_V
 ClientSampleId :

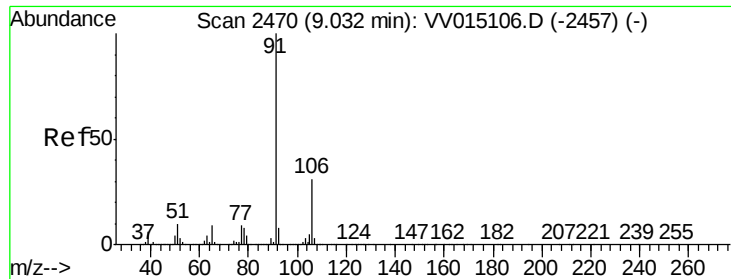
Tot Ion	Ratio	Lower	Upper
107	100		
109	89.3	65.9	122.5
188	3.3	2.4	3.6



#51
 Chlorobenzene
 Concen: 5.449 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV015104.D
 Acq: 23 Mar 2020 22:45

Tgt Ion	Ratio	Lower	Upper
112	100		
114	33.1	22.3	41.3
77	61.4	48.1	72.1

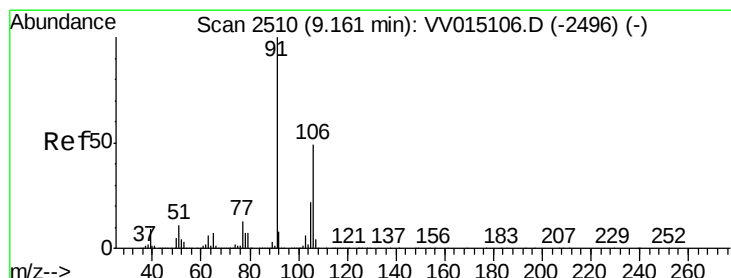
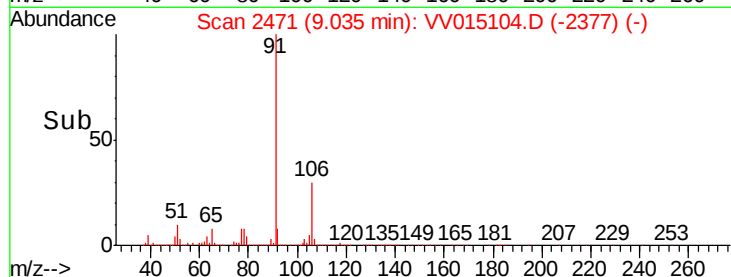
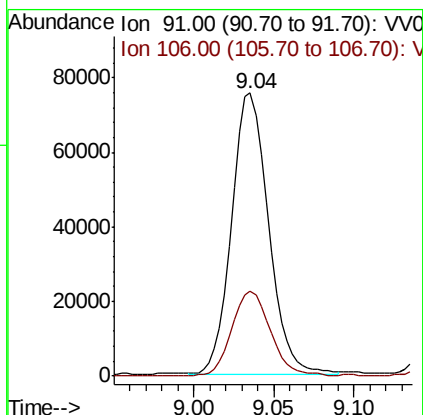
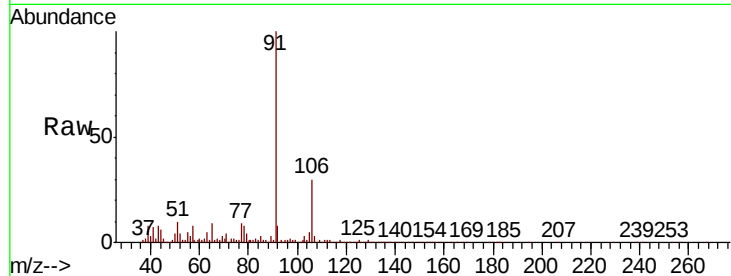




#52
Ethylbenzene
Concen: 5.218 ug/L
RT: 9.04 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VV015104.D
Acq: 23 Mar 2020 22:45

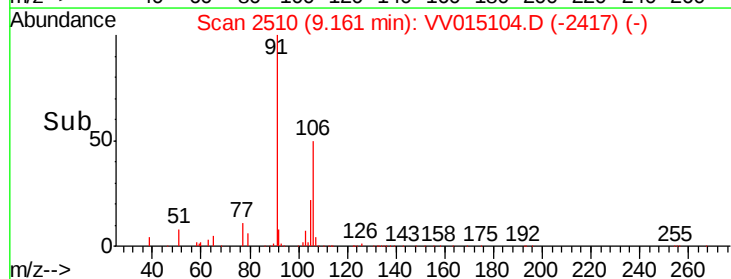
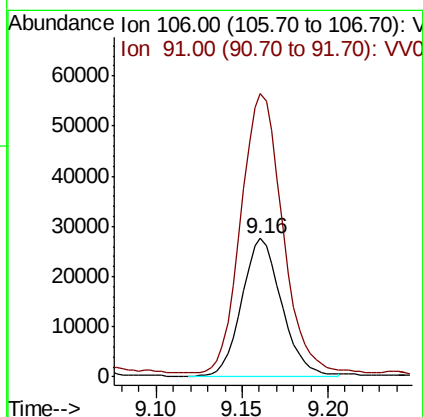
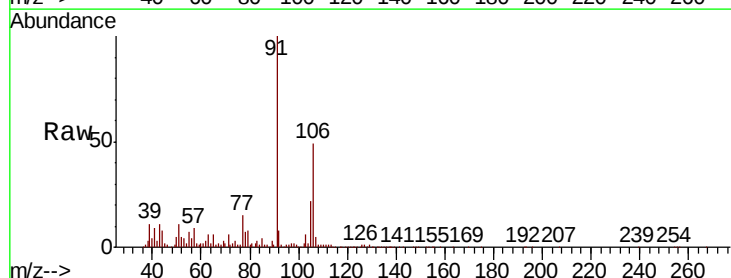
Instrument :
MSVOA_V
ClientSampleId :

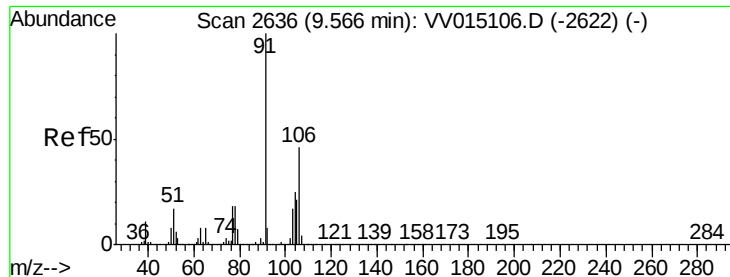
Tot Ion: 91 Resp: 118538
Ion Ratio Lower Upper
91 100
106 29.9 21.9 40.7



#53
m,p-Xylene
Concen: 5.157 ug/L
RT: 9.16 min Scan# 2510
Delta R.T. 0.00 min
Lab File: VV015104.D
Acq: 23 Mar 2020 22:45

Tgt Ion: 106 Resp: 44345
Ion Ratio Lower Upper
106 100
91 204.4 143.9 267.2





#54

o-xylene

Concen: 5.300 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV015104.D

Acq: 23 Mar 2020 22:45

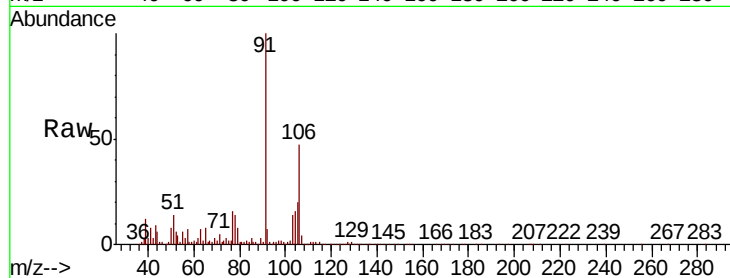
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 47081

Ion Ratio Lower Upper

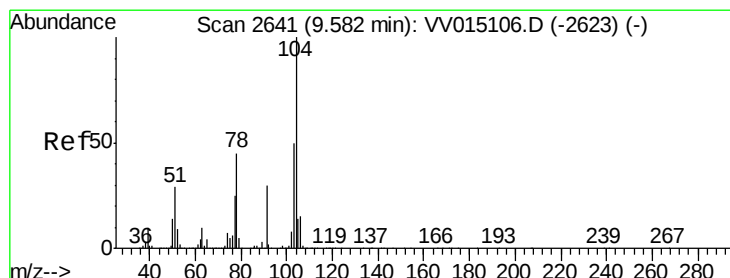
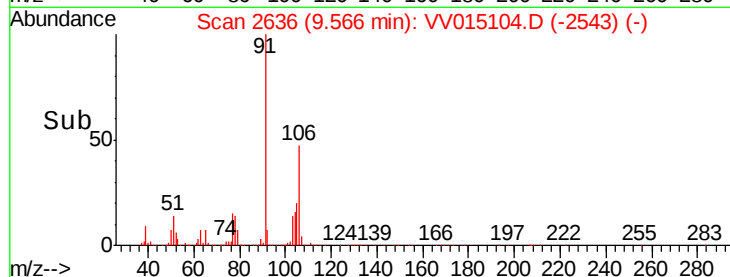
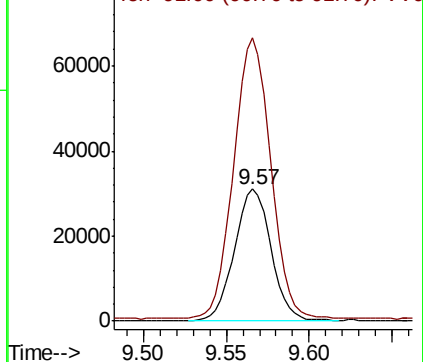
106 100

91 214.8 151.1 280.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 5.098 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV015104.D

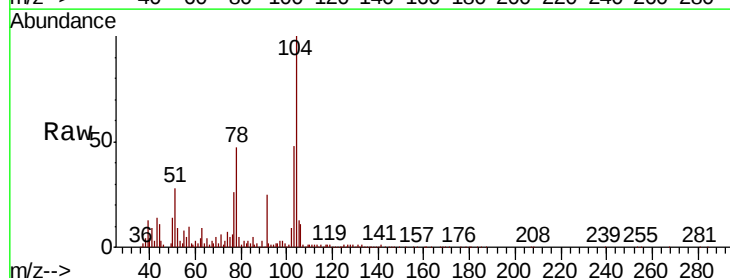
Acq: 23 Mar 2020 22:45

Tgt Ion:104 Resp: 78315

Ion Ratio Lower Upper

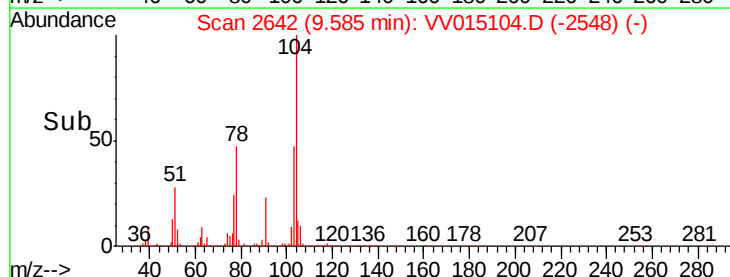
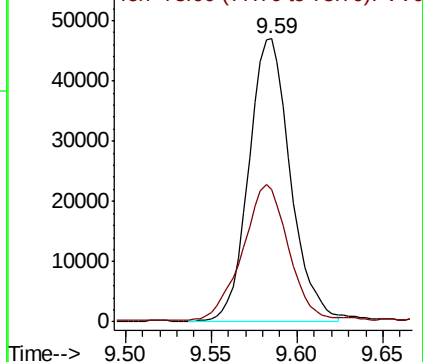
104 100

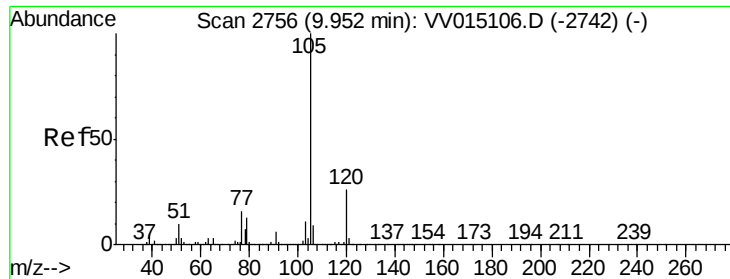
78 47.0 31.8 59.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 5.248 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV015104.D

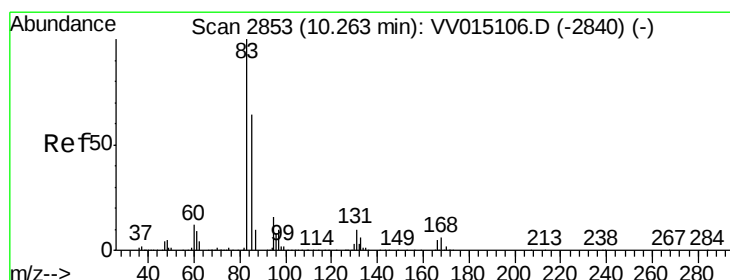
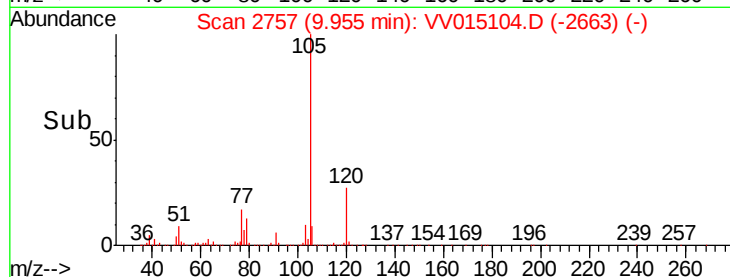
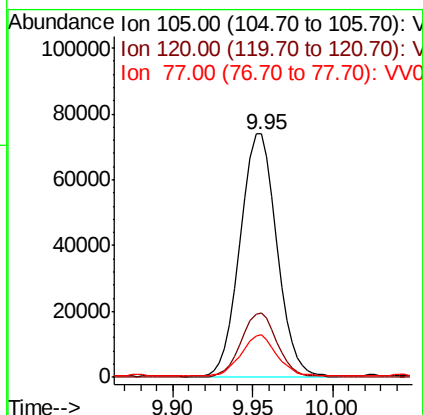
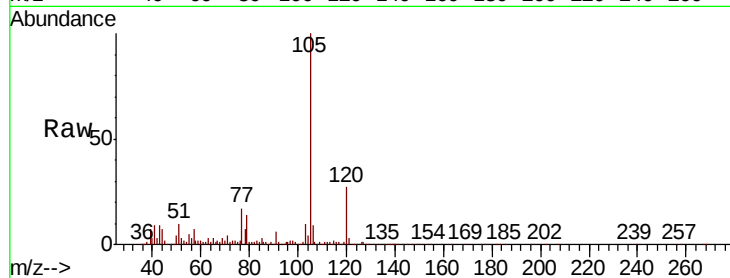
Acq: 23 Mar 2020 22:45

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:	105	Resp:	115069
Ion	Ratio	Lower	Upper
105	100		
120	26.3	21.3	31.9
77	16.3	12.8	19.2



#58

1,1,2,2-Tetrachloroethane

Concen: 5.242 ug/L

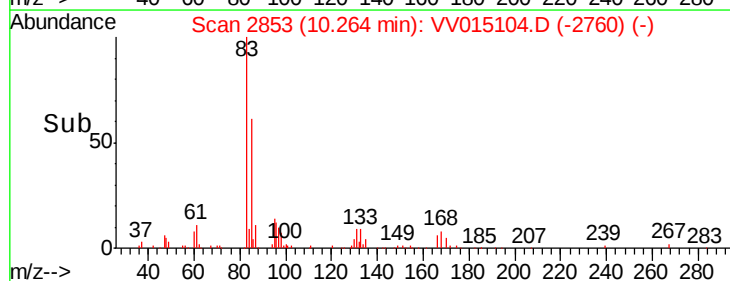
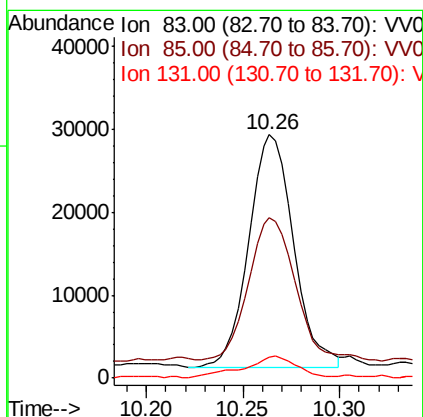
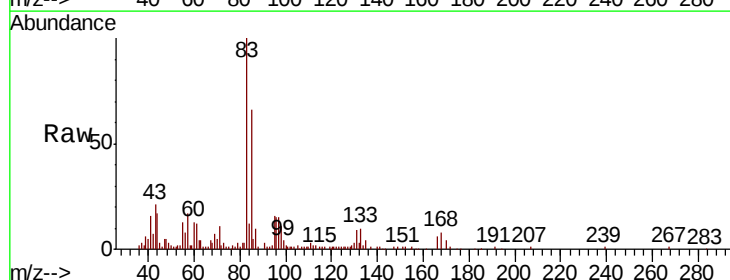
RT: 10.26 min Scan# 2853

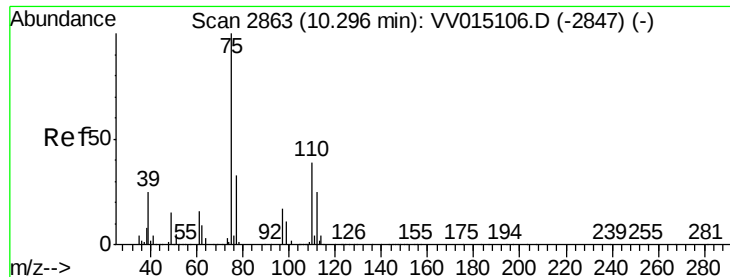
Delta R.T. 0.00 min

Lab File: VV015104.D

Acq: 23 Mar 2020 22:45

Tgt Ion:	83	Resp:	45303
Ion	Ratio	Lower	Upper
83	100		
85	66.0	45.0	83.6
131	8.7	7.8	11.8





#59

1,2,3-Trichloropropane

Concen: 5.305 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV015104.D

Acq: 23 Mar 2020 22:45

Instrument :

MSVOA_V

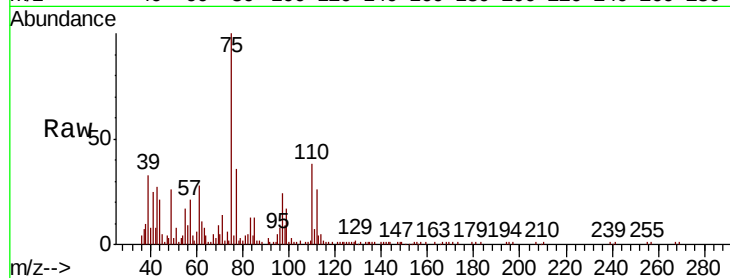
ClientSampleId :

Tot Ion: 75 Resp: 37048

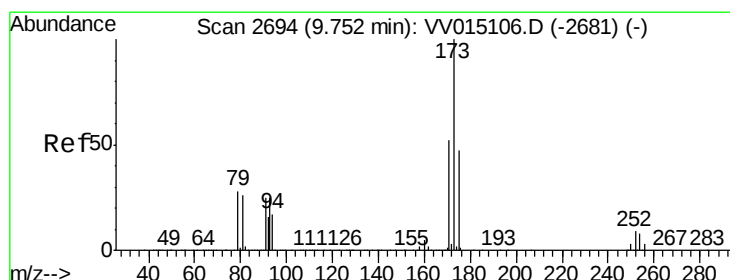
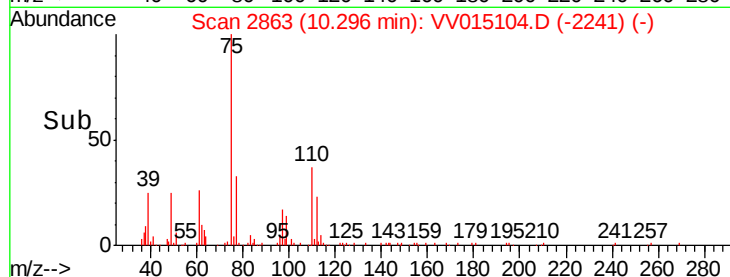
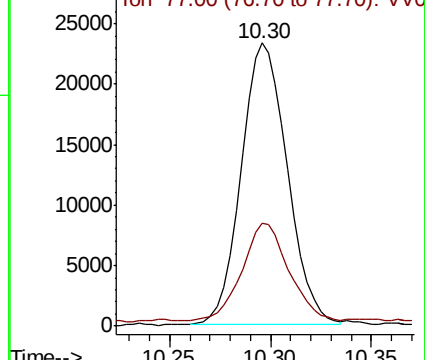
Ion Ratio Lower Upper

75 100

77 35.3 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VV015106.D (-2847) (-)



#61

Bromoform

Concen: 5.446 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV015104.D

Acq: 23 Mar 2020 22:45

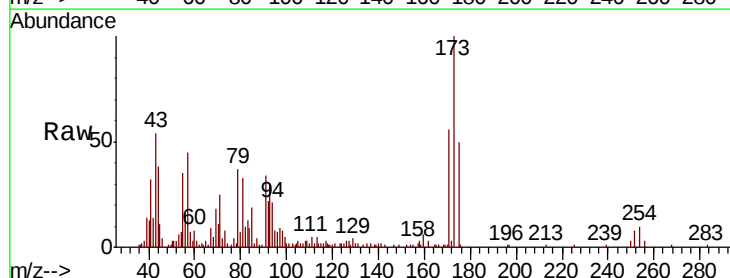
Tgt Ion: 173 Resp: 21486

Ion Ratio Lower Upper

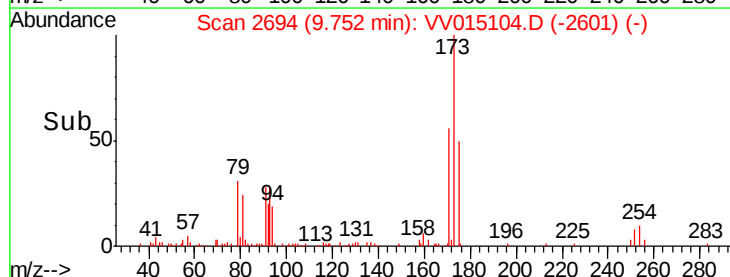
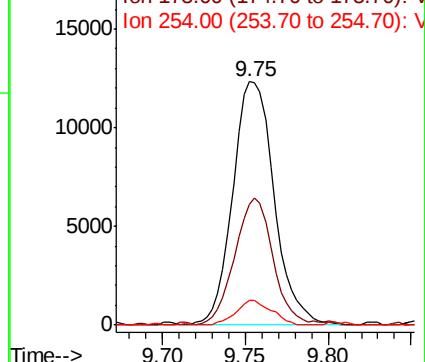
173 100

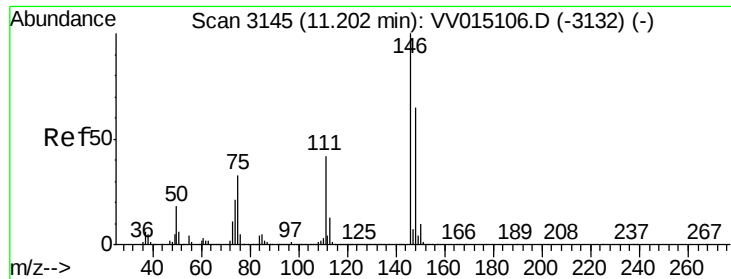
175 47.7 38.1 57.1

254 8.7 6.6 9.8



Abundance Ion 173.00 (172.70 to 173.70): VV015106.D (-2681) (-)





#62

1,3-Dichlorobenzene

Concen: 5.483 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV015104.D

Acq: 23 Mar 2020 22:45

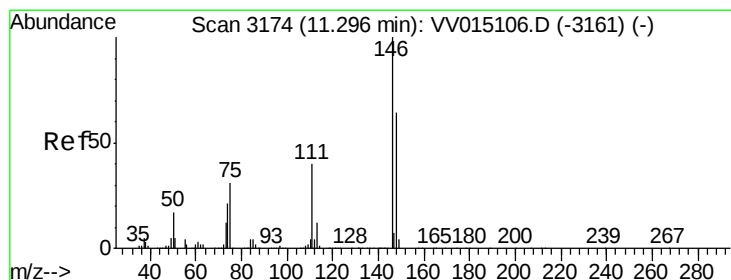
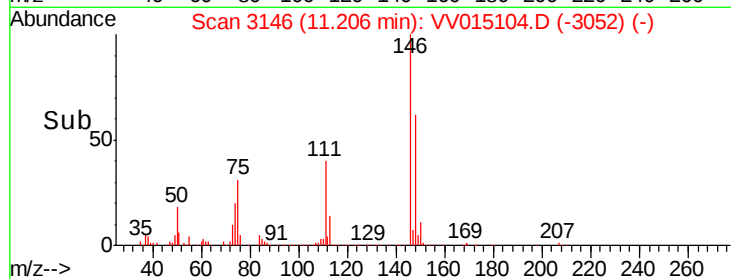
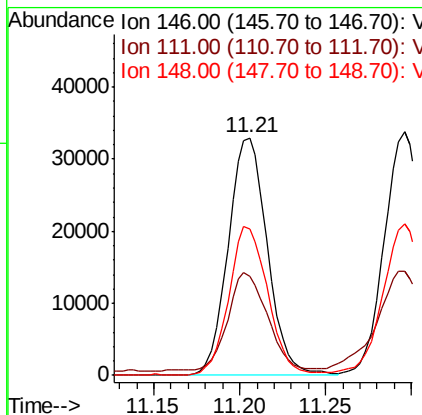
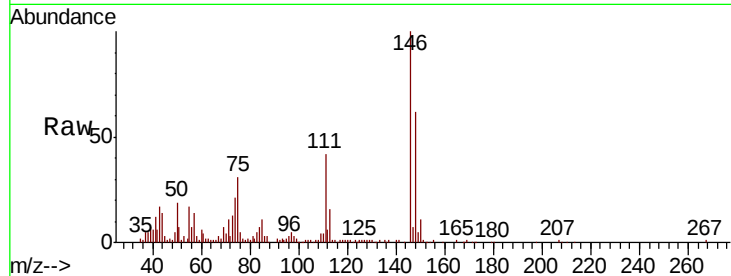
Instrument :

MSVOA_V

ClientSampled :

Tot Ion:146 Resp: 52477

Ion	Ratio	Lower	Upper
146	100		
111	41.7	29.7	55.1
148	61.7	45.3	84.1



#63

1,4-Dichlorobenzene

Concen: 5.629 ug/L

RT: 11.30 min Scan# 3174

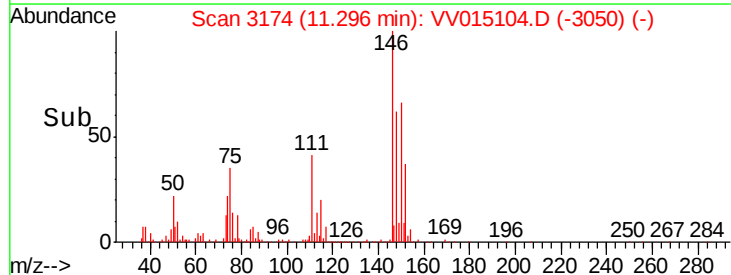
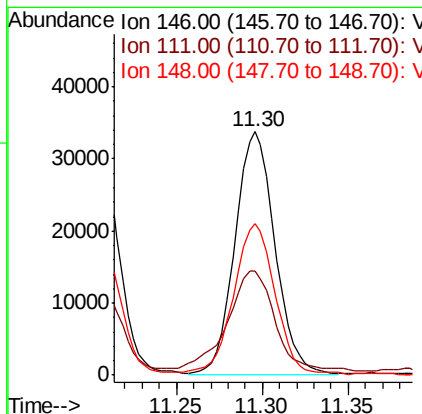
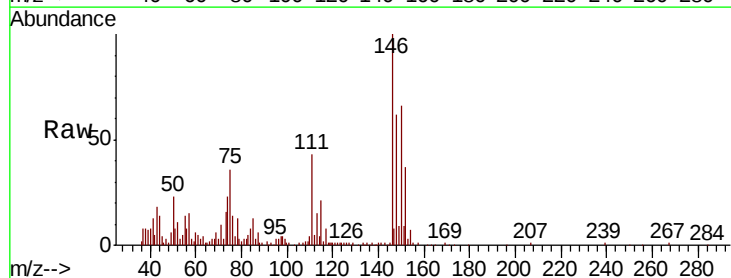
Delta R.T. 0.00 min

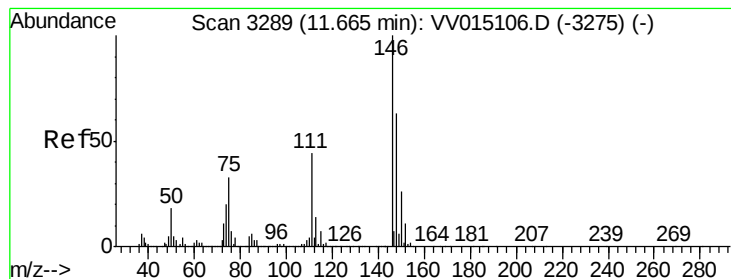
Lab File: VV015104.D

Acq: 23 Mar 2020 22:45

Tgt Ion:146 Resp: 54464

Ion	Ratio	Lower	Upper
146	100		
111	42.8	28.2	52.4
148	62.0	44.9	83.5





#65

1,2-Dichlorobenzene

Concen: 5.539 ug/L

RT: 11.67 min Scan# 3290

Delta R.T. 0.00 min

Lab File: VV015104.D

Acq: 23 Mar 2020 22:45

Instrument :

MSVOA_V

ClientSampleId :

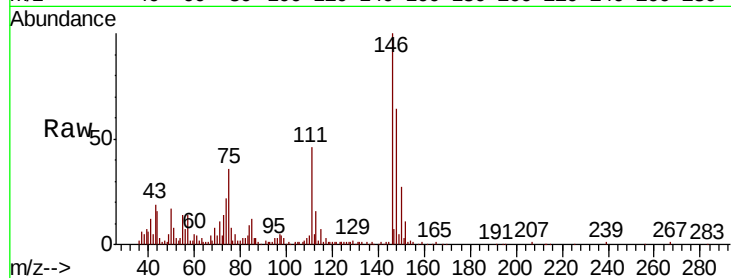
Tot Ion:146 Resp: 55245

Ion Ratio Lower Upper

146 100

111 46.0 35.2 52.8

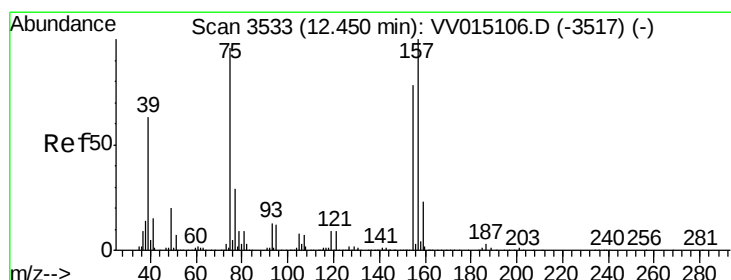
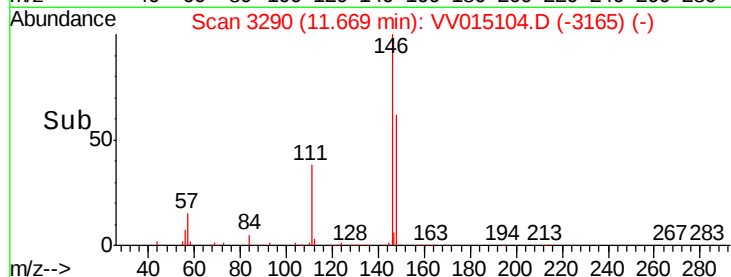
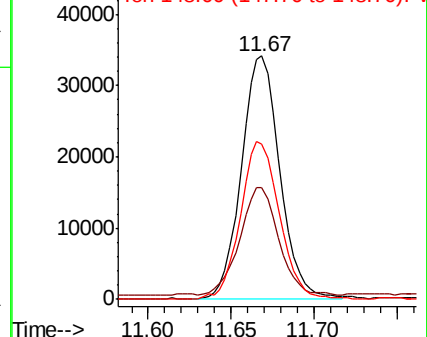
148 63.9 50.6 75.8



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



#66

1,2-Dibromo-3-chloropropane

Concen: 5.904 ug/L

RT: 12.45 min Scan# 3534

Delta R.T. 0.00 min

Lab File: VV015104.D

Acq: 23 Mar 2020 22:45

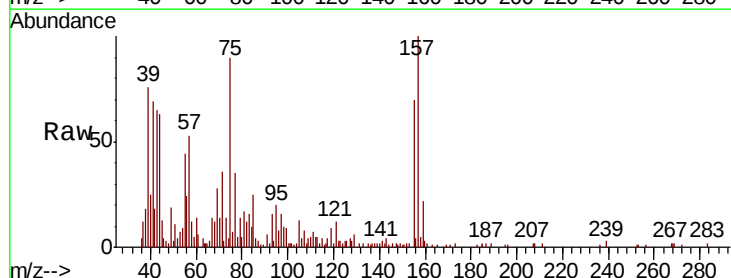
Tgt Ion: 75 Resp: 13108

Ion Ratio Lower Upper

75 100

155 77.7 65.2 97.8

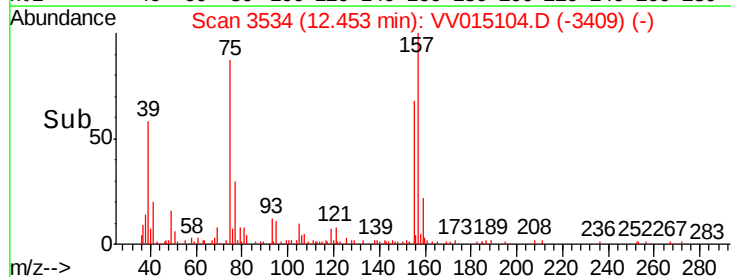
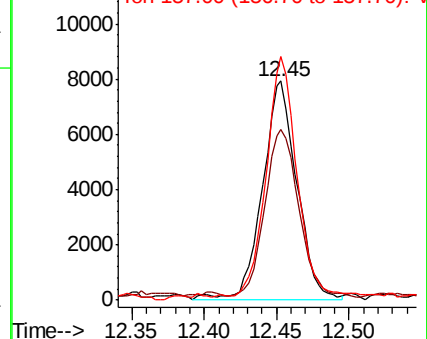
157 111.1 83.3 124.9

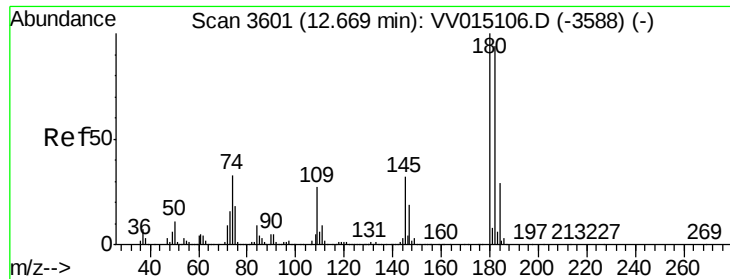


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

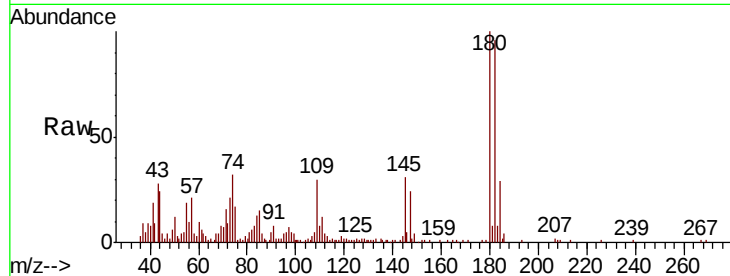




#67
 1,3,5-Trichlorobenzene
 Concen: 5.358 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV015104.D
 Acq: 23 Mar 2020 22:45

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.4	75.9	113.9
184	29.3	23.7	35.5
145	32.0	25.8	38.6



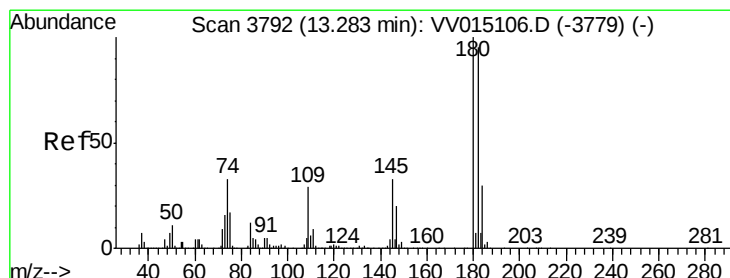
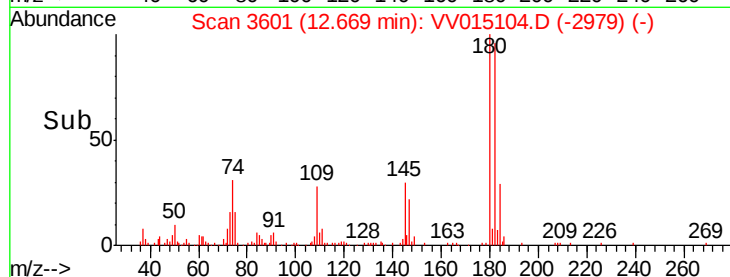
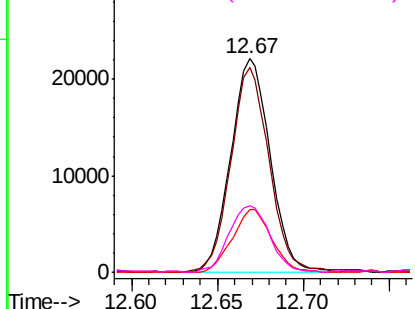
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

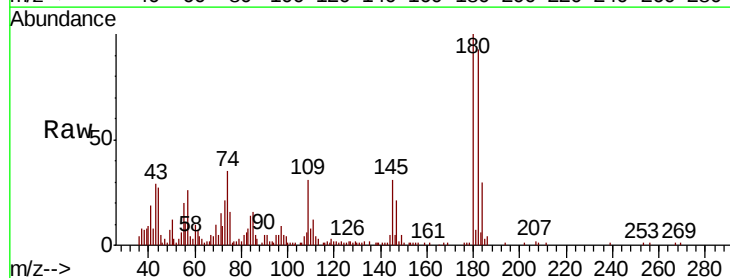
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.226 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV015104.D
 Acq: 23 Mar 2020 22:45

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.5	75.5	113.3
145	34.9	26.4	39.6

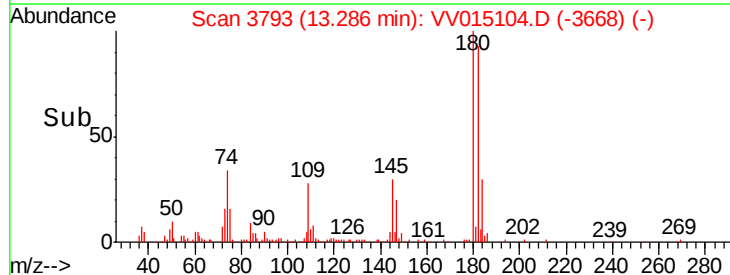
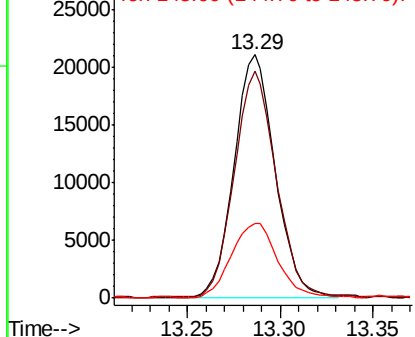


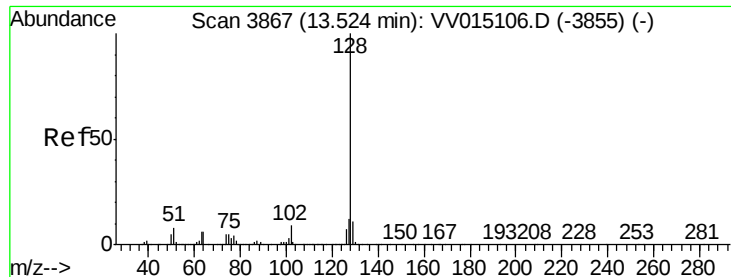
Abundance

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: 5.216 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV015104.D

Acq: 23 Mar 2020 22:45

Instrument :

MSVOA_V

ClientSampleId :

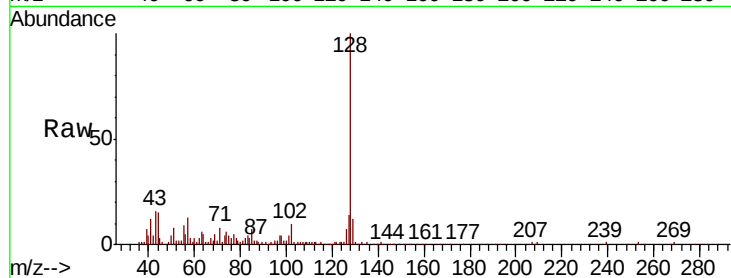
Tot Ion:128 Resp: 64188

Ion Ratio Lower Upper

128 100

127 13.0 10.1 15.1

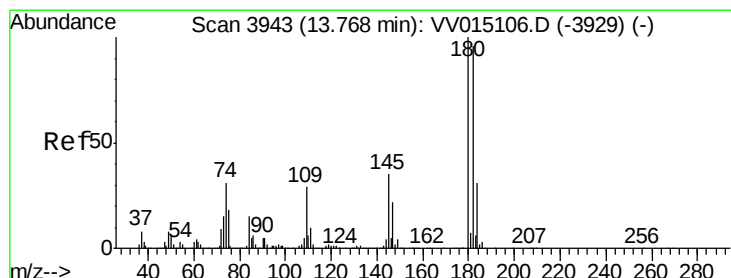
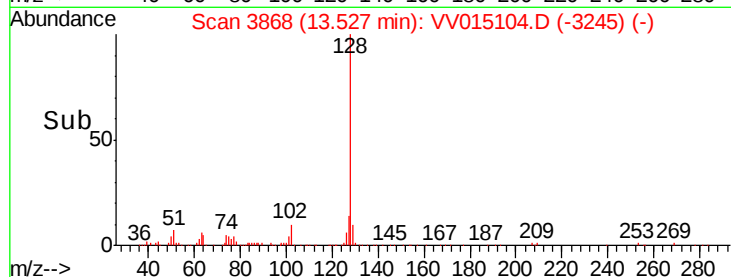
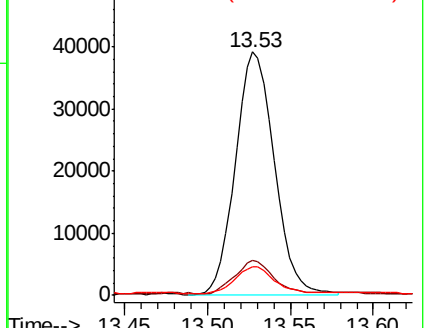
129 11.4 8.8 13.2



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: 5.253 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV015104.D

Acq: 23 Mar 2020 22:45

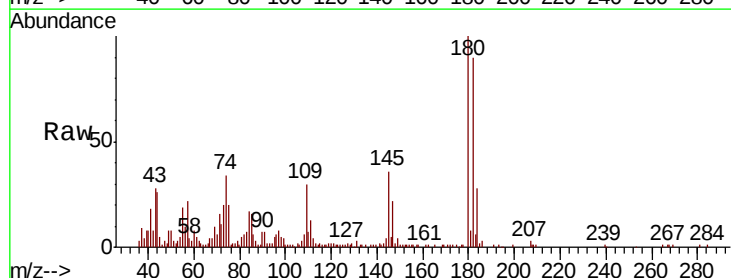
Tgt Ion:180 Resp: 33703

Ion Ratio Lower Upper

180 100

182 92.2 76.6 115.0

145 37.9 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

