

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV032520\
 Data File : VV015134.D
 Acq On : 25 Mar 2020 10:57
 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 13:19:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032520WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 25 13:17:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	441103	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	420299	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	199575	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	32518	8.95	ug/L	0.00
7) Chloroethane-d5	1.58	69	27149	7.48	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	60669	8.81	ug/L	0.00
21) 2-Butanone-d5	3.89	46	227	0.08	ug/L	-0.04
24) Chloroform-d	4.38	84	50882	7.66	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	31507	7.07	ug/L	0.00
32) Benzene-d6	5.08	84	102683	7.97	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.10	67	31805	7.34	ug/L	0.00
41) Toluene-d8	7.34	98	99639	8.62	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.65	79	18058	7.70	ug/L	0.00
47) 2-Hexanone-d5	8.12	63	29600	13.15	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	44667	6.87	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	37273	8.12	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	23340	9.308 ug/L	97
3) Chloromethane	1.25	50	24647	5.884 ug/L	98
5) Vinyl chloride	1.32	62	25219	6.757 ug/L	94
6) Bromomethane	1.53	94	15667	5.838 ug/L	100
8) Chloroethane	1.60	64	23569	7.608 ug/L	89
9) Trichlorofluoromethane	1.77	101	34333	7.390 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	19386	8.451 ug/L	95
12) 1,1-Dichloroethene	2.13	96	18537	6.679 ug/L	87
14) Carbon disulfide	2.31	76	53701	7.183 ug/L	99
15) Methyl Acetate	2.46	43	15353	4.125 ug/L	95
16) Methylene chloride	2.53	84	18080	5.234 ug/L	91
17) trans-1,2-Dichloroethene	2.78	96	17473	6.447 ug/L	99
18) Methyl tert-butyl Ether	2.79	73	52891	4.820 ug/L	96
19) 1,1-Dichloroethane	3.21	63	28975	5.246 ug/L	94
20) cis-1,2-Dichloroethene	3.94	96	17844	5.425 ug/L	# 95
22) 2-Butanone	4.04	43	9151	3.765 ug/L	92
23) Bromochloromethane	4.28	128	9613	5.360 ug/L	86
25) Chloroform	4.41	83	31508	5.502 ug/L	95
27) 1,2-Dichloroethane	5.16	62	23895	5.250 ug/L	100
29) Cyclohexane	4.70	56	26852	7.776 ug/L	97
30) 1,1,1-Trichloroethane	4.63	97	28878	6.461 ug/L	98
31) Carbon tetrachloride	4.86	117	24256	6.822 ug/L	98
33) Benzene	5.13	78	65056	5.429 ug/L	100
34) Trichloroethene	5.94	95	18039	6.416 ug/L	95
35) Methylcyclohexane	6.15	83	27125	7.776 ug/L	94
37) 1,2-Dichloropropane	6.20	63	16487	5.039 ug/L	# 94
38) Bromodichloromethane	6.53	83	25496	5.444 ug/L	91
39) cis-1,3-Dichloropropene	7.05	75	28310	5.357 ug/L	97
40) 4-Methyl-2-pentanone	7.26	43	48563	8.861 ug/L	98
42) Toluene	7.41	91	71475	5.850 ug/L	97

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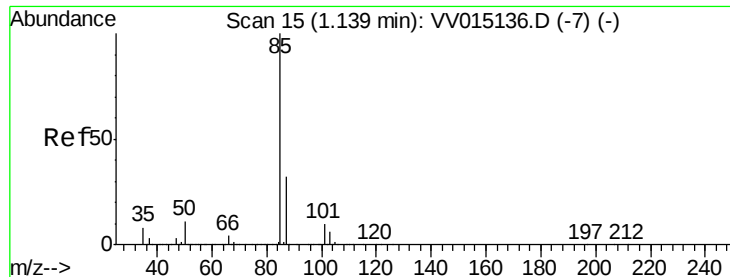
Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 25 13:19:30 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) trans-1,3-Dichloropropene	7.68	75	28349	5.348	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	15395	4.522	ug/L	95
46) Tetrachloroethene	7.99	164	12485	6.889	ug/L	96
48) 2-Hexanone	8.17	43	38057	9.452	ug/L #	97
49) Dibromochloromethane	8.27	129	18991	4.970	ug/L	93
50) 1,2-Dibromoethane	8.38	107	18516	5.055	ug/L	92
51) Chlorobenzene	8.90	112	49003	6.081	ug/L	99
52) Ethylbenzene	9.03	91	79806	6.356	ug/L	97
53) m,p-Xylene	9.16	106	32156	6.628	ug/L	97
54) o-xylene	9.57	106	30343	5.944	ug/L	90
55) Styrene	9.58	104	51876	5.779	ug/L	95
56) Isopropylbenzene	9.95	105	77177	6.523	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	28540	5.060	ug/L	93
59) 1,2,3-Trichloropropane	10.30	75	21664	4.754	ug/L	95
61) Bromoform	9.76	173	13239	4.625	ug/L	94
62) 1,3-Dichlorobenzene	11.20	146	35412	5.900	ug/L	96
63) 1,4-Dichlorobenzene	11.30	146	37579	6.160	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	36254	5.562	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	7394	4.436	ug/L	96
67) 1,3,5-Trichlorobenzene	12.67	180	22116	5.820	ug/L	97
68) 1,2,4-trichlorobenzene	13.29	180	22261	5.796	ug/L	96
69) Naphthalene	13.53	128	86522	5.068	ug/L	98
70) 1,2,3-Trichlorobenzene	13.77	180	20738	5.164	ug/L	96

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



#2

Dichlorodifluoromethane

Concen: 9.308 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV015134.D

Acq: 25 Mar 2020 10:57

Instrument :

MSVOA_V

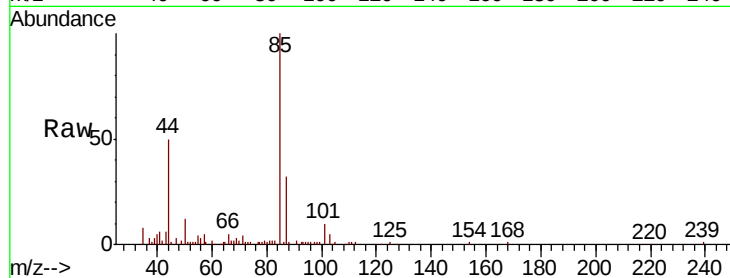
ClientSampled :

Tot Ion: 85 Resp: 23340

Ion Ratio Lower Upper

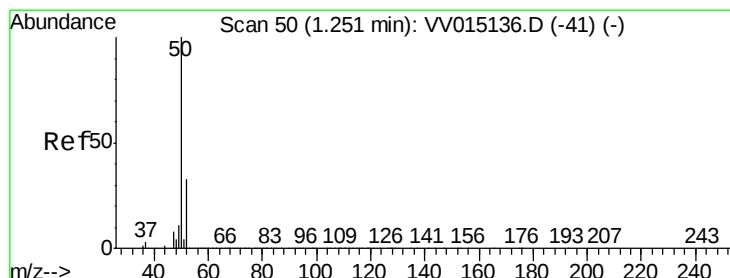
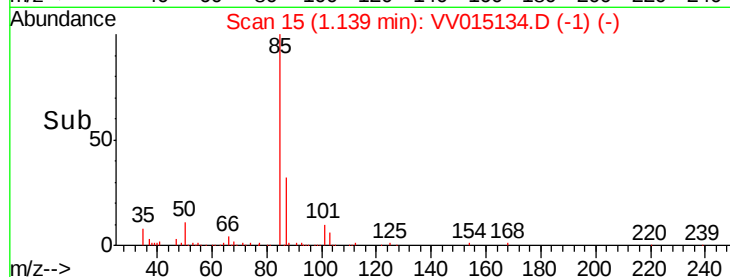
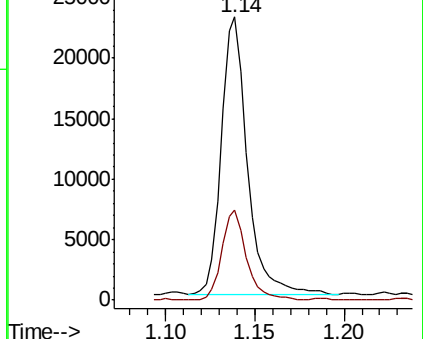
85 100

87 30.4 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV015134.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV015134.D (-7) (-)



#3

Chloromethane

Concen: 5.884 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV015134.D

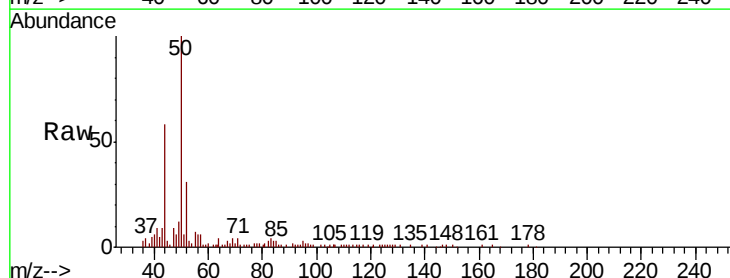
Acq: 25 Mar 2020 10:57

Tgt Ion: 50 Resp: 24647

Ion Ratio Lower Upper

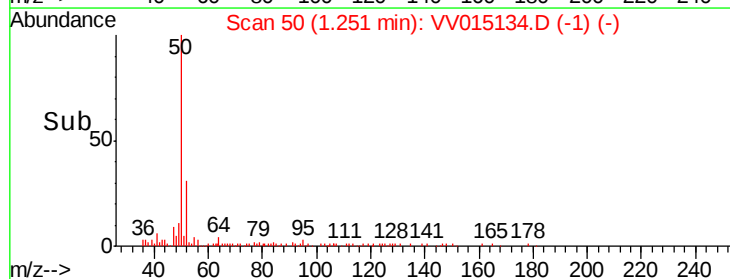
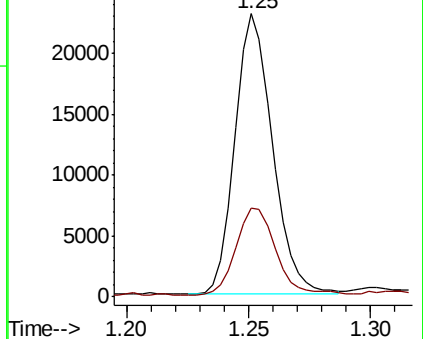
50 100

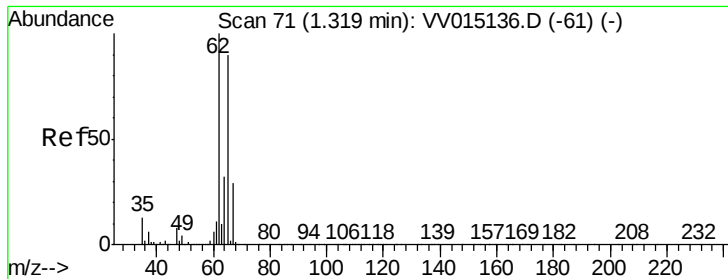
52 31.4 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VV015134.D (-41) (-)

Ion 52.00 (51.70 to 52.70): VV015134.D (-41) (-)





#5

Vinyl chloride

Concen: 6.757 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV015134.D

Acq: 25 Mar 2020 10:57

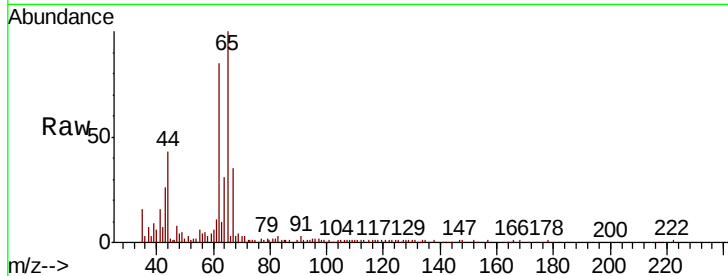
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 25219

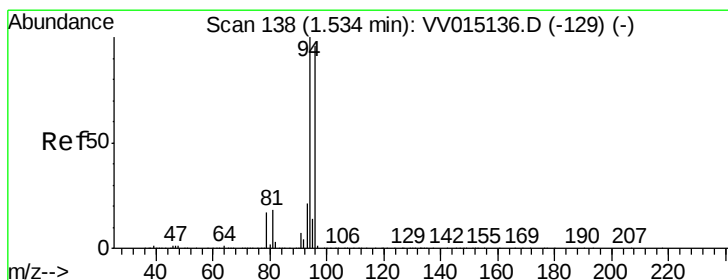
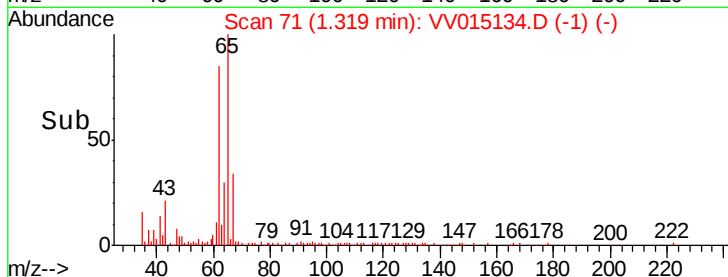
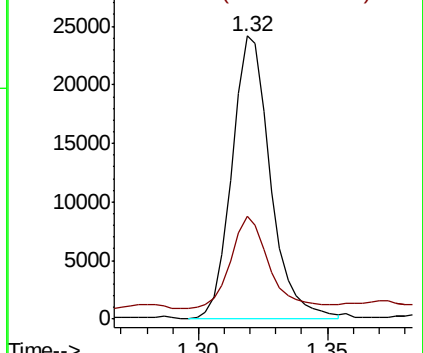
Ion Ratio Lower Upper

62 100

64 36.2 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VV0
Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 5.838 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV015134.D

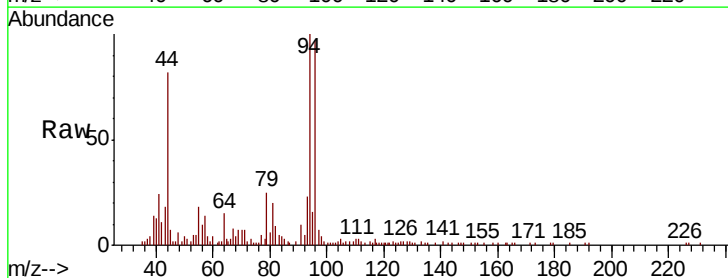
Acq: 25 Mar 2020 10:57

Tgt Ion: 94 Resp: 15667

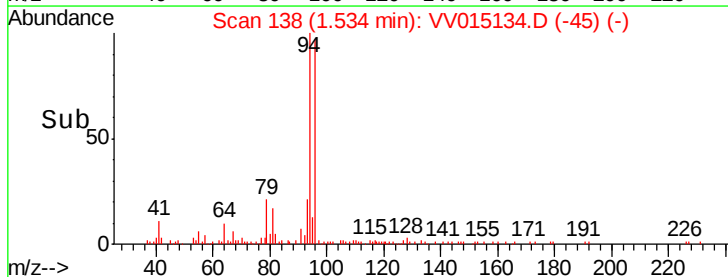
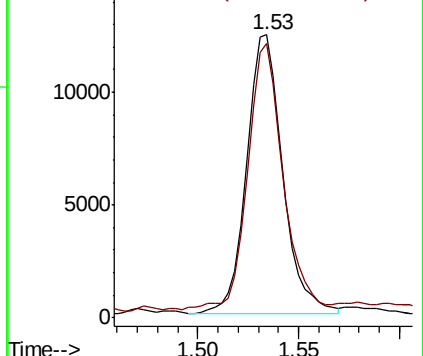
Ion Ratio Lower Upper

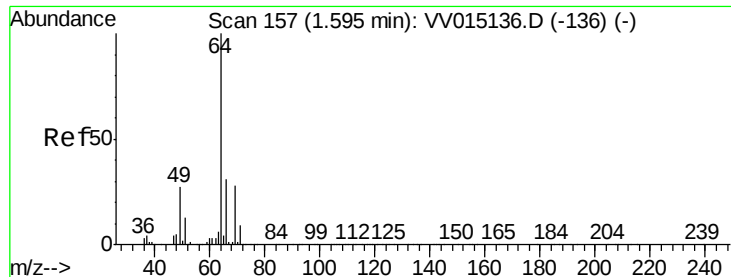
94 100

96 97.1 67.7 125.7



Abundance Ion 94.00 (93.70 to 94.70): VV0
Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 7.608 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV015134.D

Acq: 25 Mar 2020 10:57

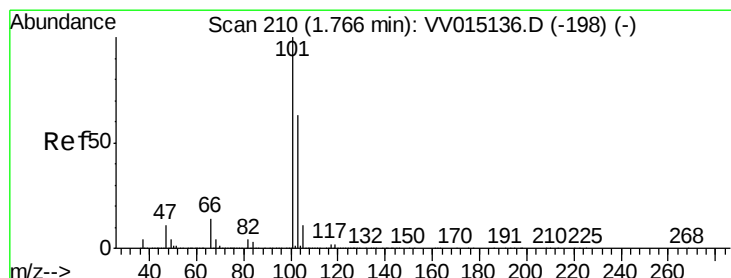
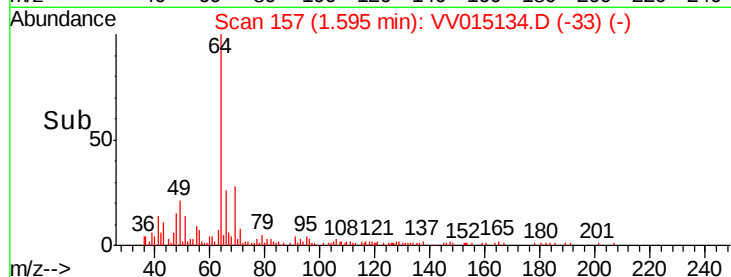
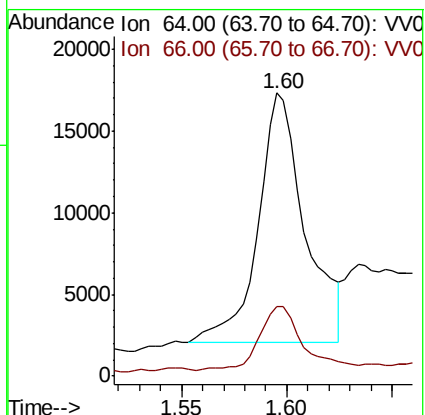
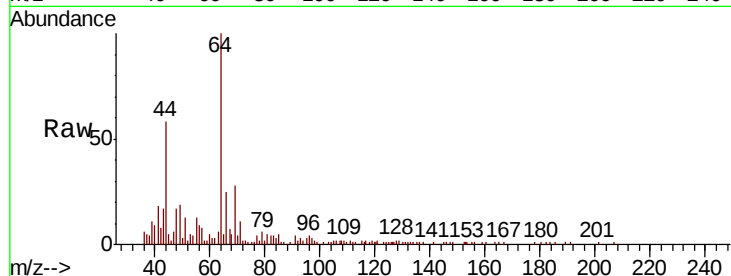
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 23569

Ion Ratio Lower Upper

64 100

66 24.6 21.6 40.2



#9

Trichlorofluoromethane

Concen: 7.390 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV015134.D

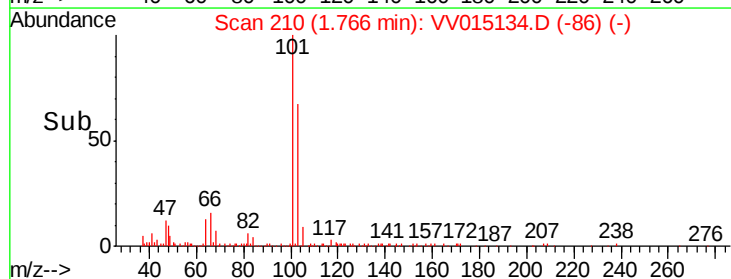
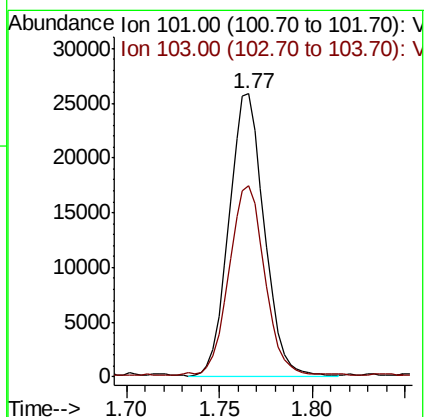
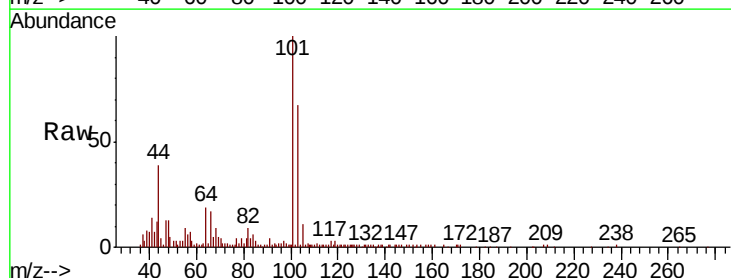
Acq: 25 Mar 2020 10:57

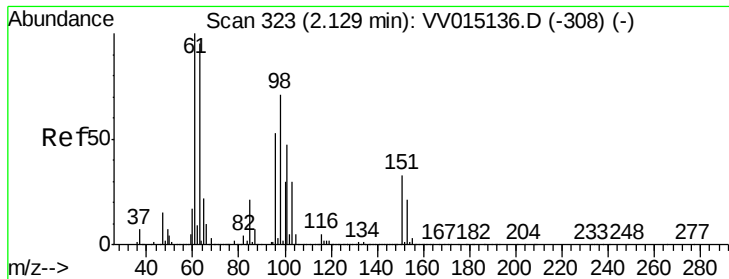
Tgt Ion: 101 Resp: 34333

Ion Ratio Lower Upper

101 100

103 66.0 51.4 77.0





#10

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

Concen: 8.451 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV015134.D

Acq: 25 Mar 2020 10:57

Instrument :

MSVOA_V

ClientSampleId :

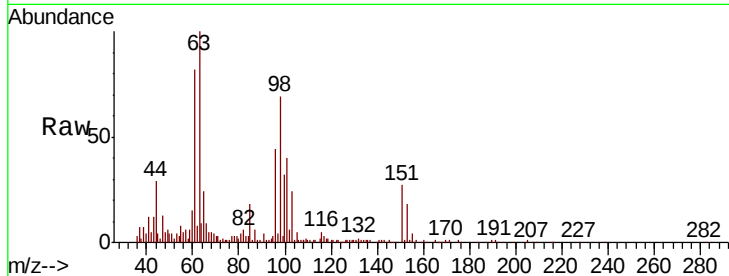
Tot Ion:101 Resp: 19386

Ion Ratio Lower Upper

101 100

85 51.3 36.0 54.0

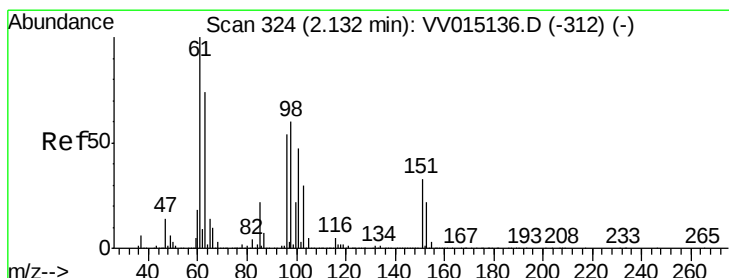
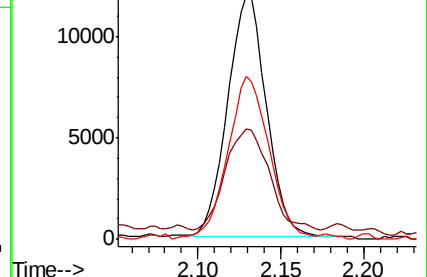
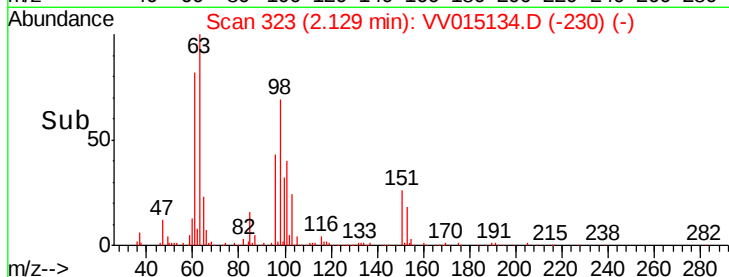
151 72.1 56.2 84.2



Abundance Ion 101.00 (100.70 to 101.70): VV015134.D (-230) (-)

Ion 85.00 (84.70 to 85.70): VV015134.D (-230) (-)

Ion 151.00 (150.70 to 151.70): VV015134.D (-230) (-)



#12

1,1-Dichloroethene

Concen: 6.679 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV015134.D

Acq: 25 Mar 2020 10:57

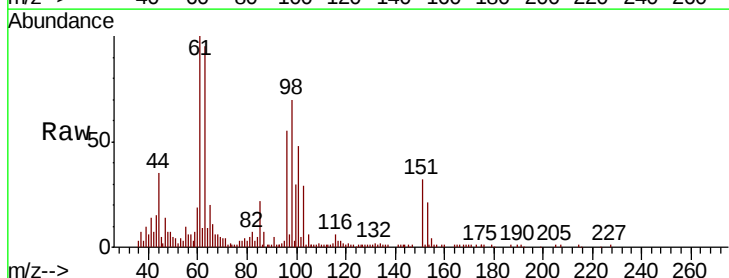
Tgt Ion: 96 Resp: 18537

Ion Ratio Lower Upper

96 100

61 183.4 128.6 238.8

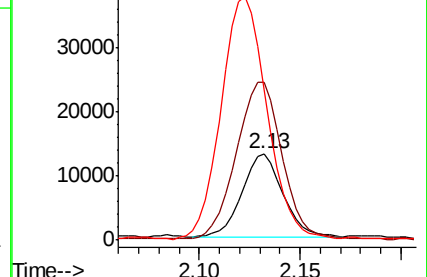
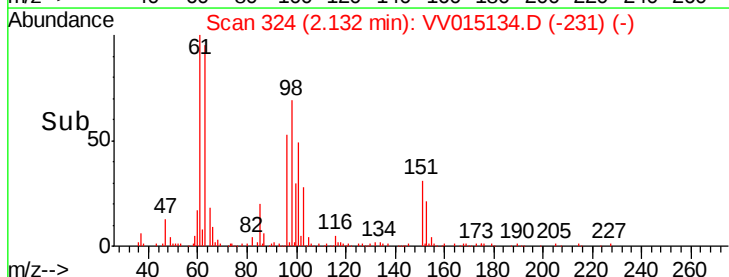
63 174.4 97.5 181.1

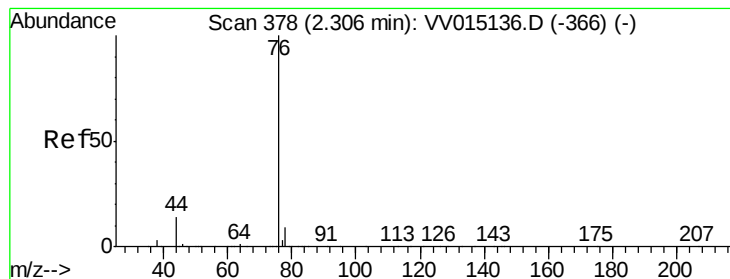


Abundance Ion 96.00 (95.70 to 96.70): VV015134.D (-231) (-)

Ion 61.00 (60.70 to 61.70): VV015134.D (-231) (-)

Ion 63.00 (62.70 to 63.70): VV015134.D (-231) (-)





#14

Carbon disulfide

Concen: 7.183 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VV015134.D

Acq: 25 Mar 2020 10:57

Instrument :

MSVOA_V

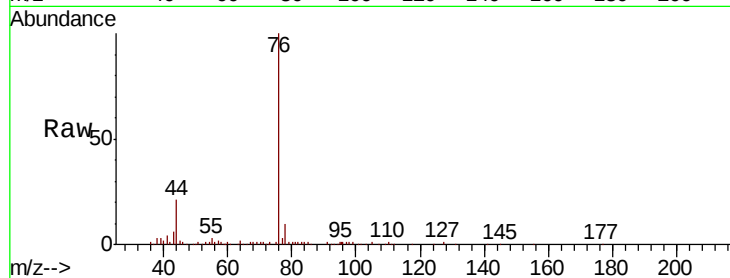
ClientSampled :

Tot Ion: 76 Resp: 53701

Ion Ratio Lower Upper

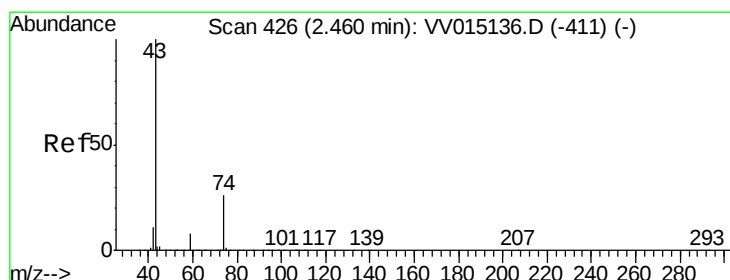
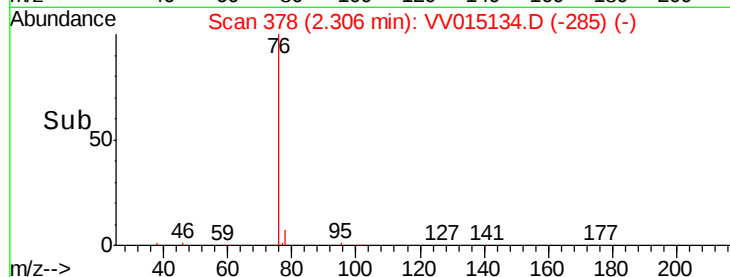
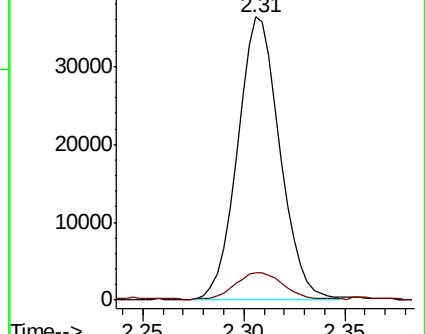
76 100

78 9.8 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VV015136.D (-366) (-)

Ion 78.00 (77.70 to 78.70): VV015136.D (-366) (-)



#15

Methyl Acetate

Concen: 4.125 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VV015134.D

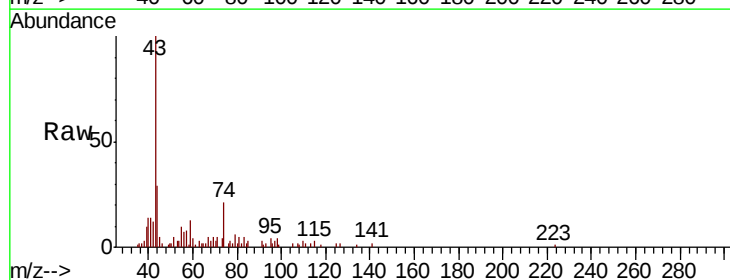
Acq: 25 Mar 2020 10:57

Tgt Ion: 43 Resp: 15353

Ion Ratio Lower Upper

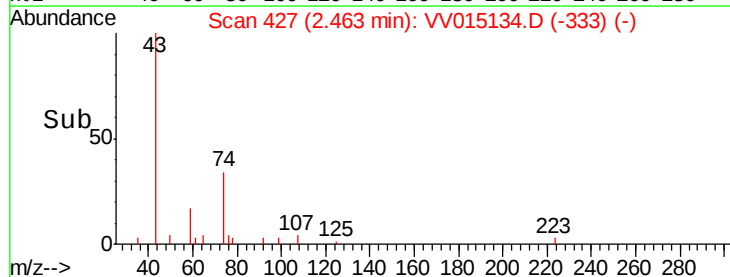
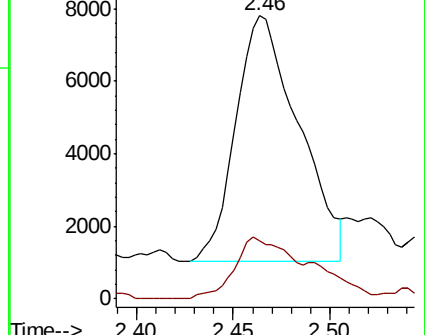
43 100

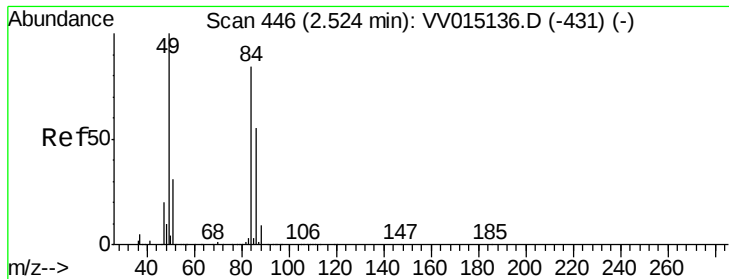
74 21.8 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VV015136.D (-411) (-)

Ion 74.00 (73.70 to 74.70): VV015136.D (-411) (-)

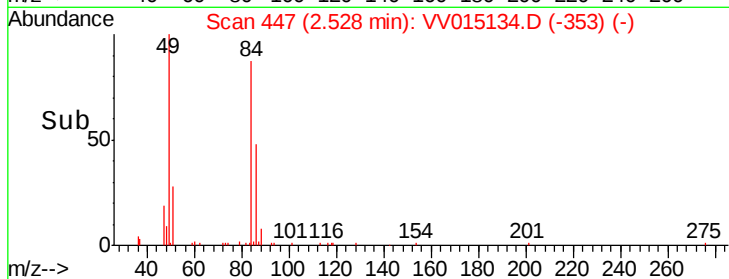
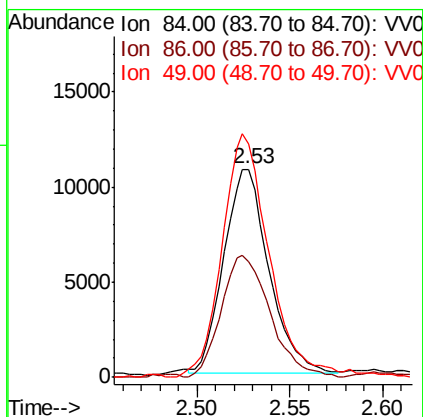
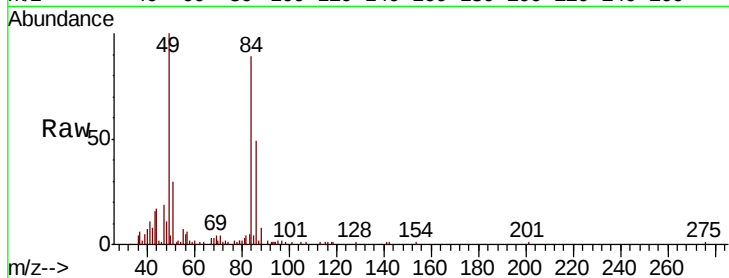




#16
Methvlene chloride
Concen: 5.234 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.00 min
Lab File: VV015134.D
Acq: 25 Mar 2020 10:57

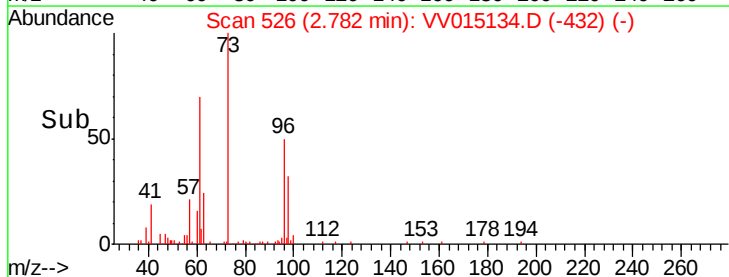
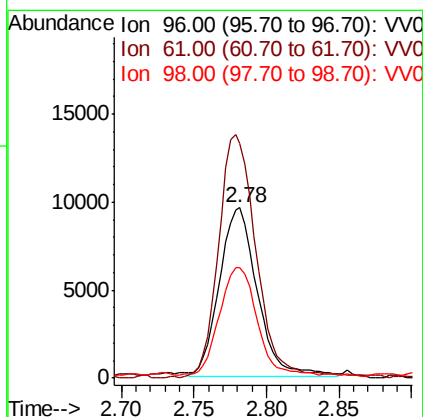
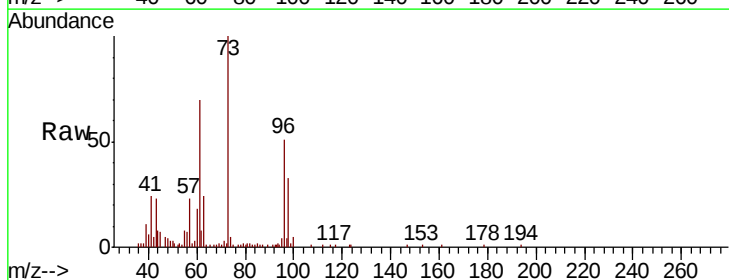
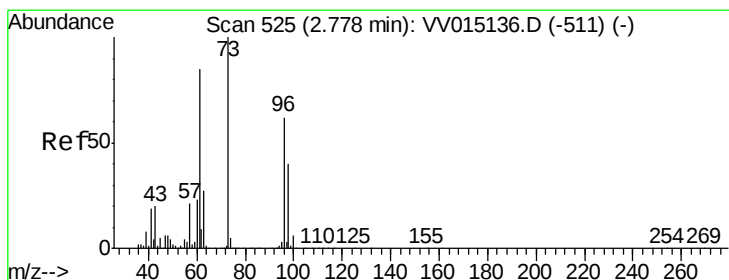
Instrument :
MSVOA_V
ClientSampleId :

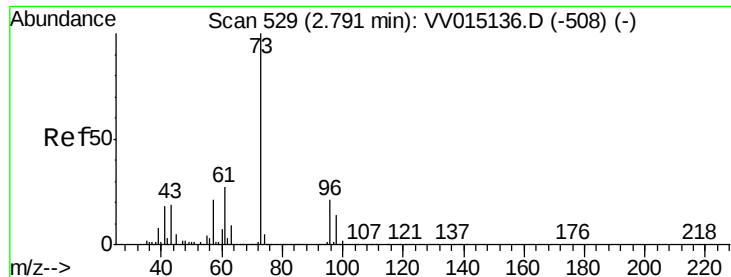
Tot Ion: 84 Resp: 18080
Ion Ratio Lower Upper
84 100
86 55.3 45.8 85.2
49 112.2 83.3 154.7



#17
trans-1,2-Dichloroethene
Concen: 6.447 ug/L
RT: 2.78 min Scan# 526
Delta R.T. 0.00 min
Lab File: VV015134.D
Acq: 25 Mar 2020 10:57

Tgt Ion: 96 Resp: 17473
Ion Ratio Lower Upper
96 100
61 137.8 94.8 176.0
98 65.0 45.4 84.2

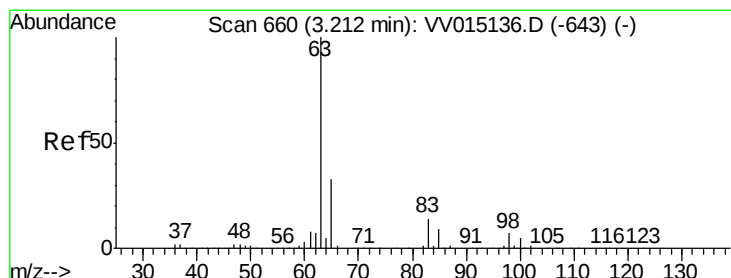
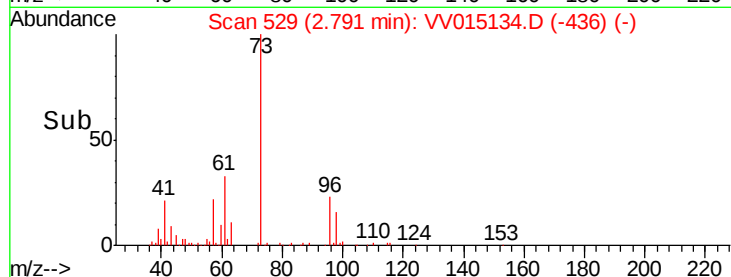
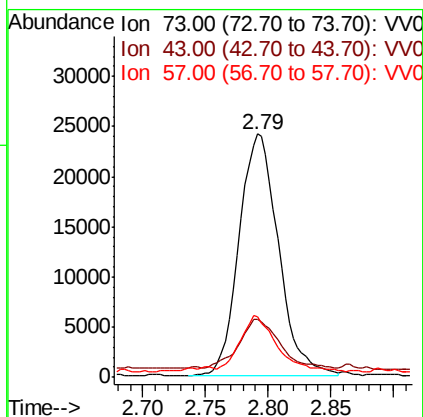
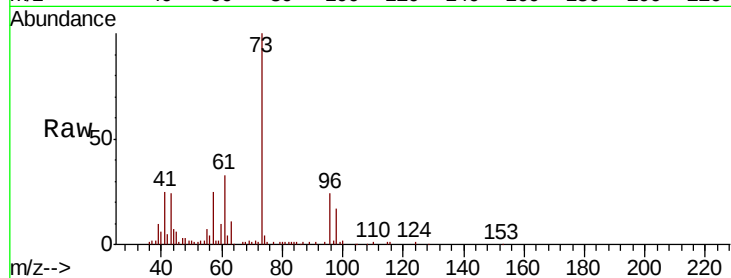




#18
Methvl tert-butvl Ether
Concen: 4.820 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV015134.D
Acq: 25 Mar 2020 10:57

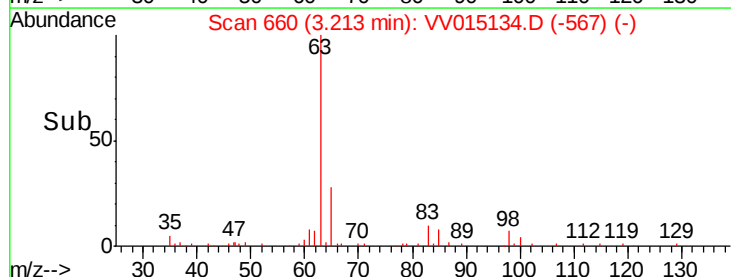
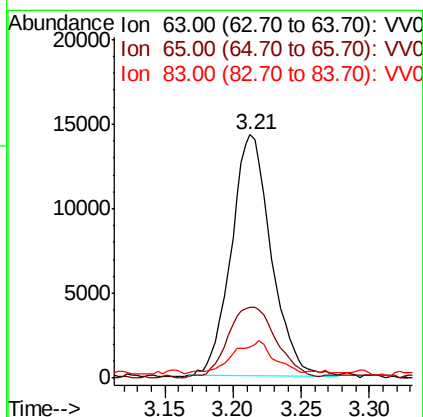
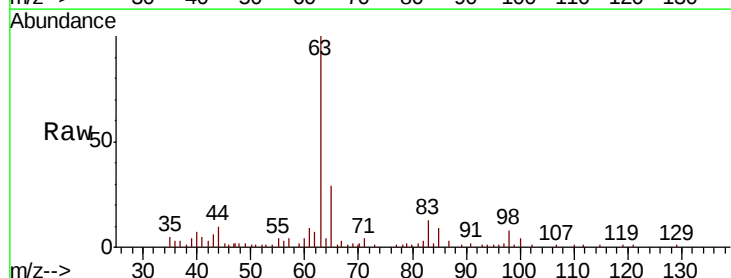
Instrument :
MSVOA_V
ClientSampleId :

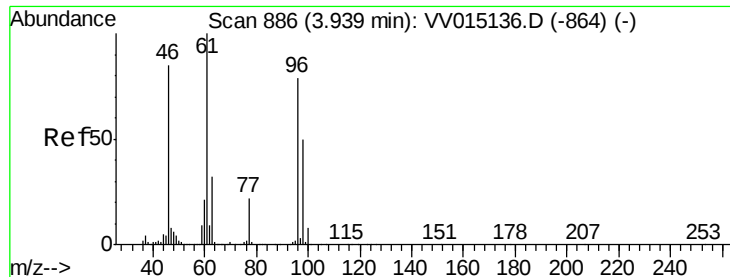
Tot Ion: 73 Resp: 52891
Ion Ratio Lower Upper
73 100
43 20.1 15.4 23.0
57 18.7 17.0 25.6



#19
1,1-Dichloroethane
Concen: 5.246 ug/L
RT: 3.21 min Scan# 660
Delta R.T. 0.00 min
Lab File: VV015134.D
Acq: 25 Mar 2020 10:57

Tgt Ion: 63 Resp: 28975
Ion Ratio Lower Upper
63 100
65 28.9 22.8 42.4
83 12.8 9.9 18.3



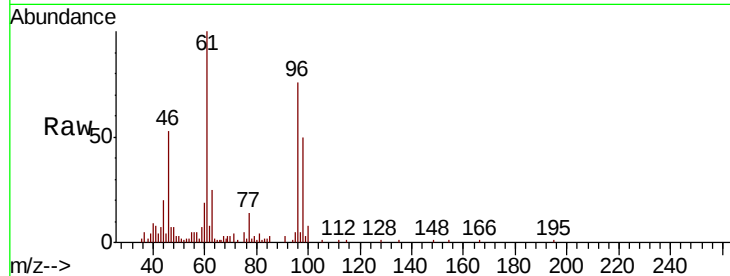


#20

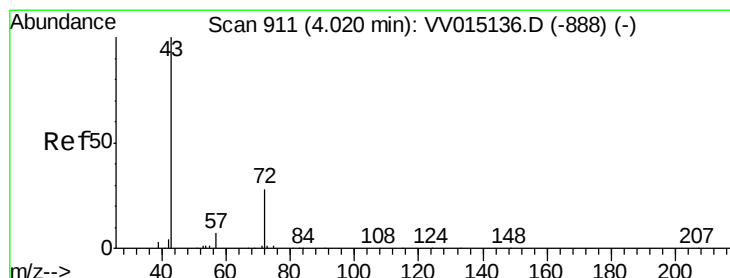
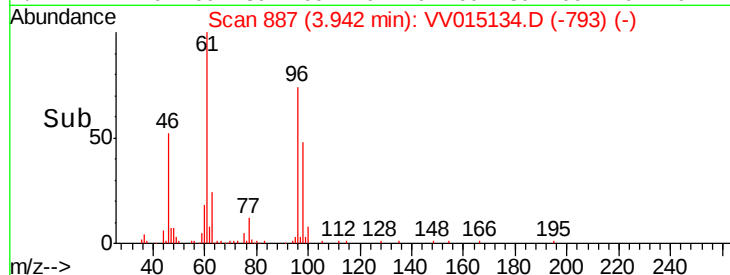
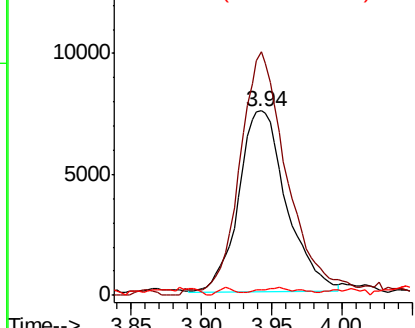
cis-1,2-Dichloroethene
 Concen: 5.425 ug/L
 RT: 3.94 min Scan# 887
 Delta R.T. 0.00 min
 Lab File: VV015134.D
 Acq: 25 Mar 2020 10:57

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 96 Resp: 17844
 Ion Ratio Lower Upper
 96 100
 61 132.2 88.3 163.9
 68 3.1 0.1 0.3#



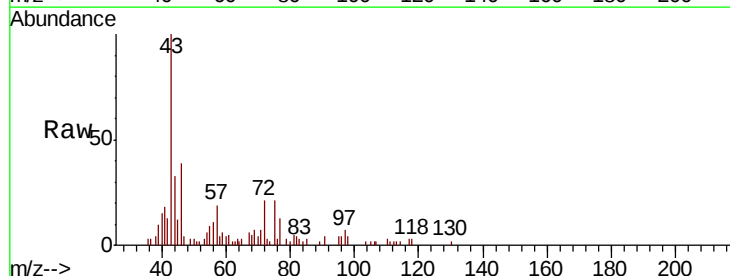
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 68.00 (67.70 to 68.70): VV0



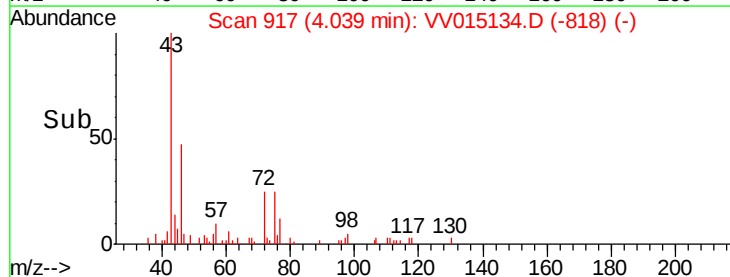
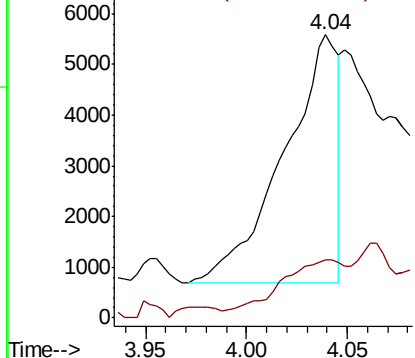
#22

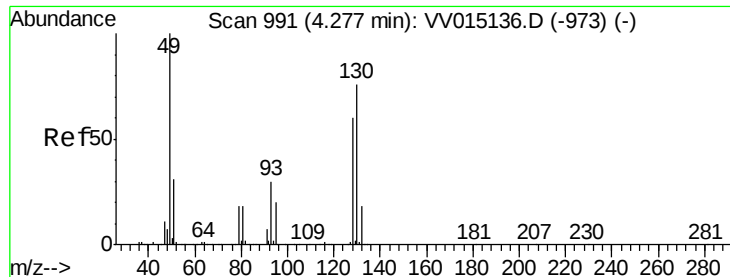
2-Butanone
 Concen: 3.765 ug/L
 RT: 4.04 min Scan# 917
 Delta R.T. 0.02 min
 Lab File: VV015134.D
 Acq: 25 Mar 2020 10:57

Tgt Ion: 43 Resp: 9151
 Ion Ratio Lower Upper
 43 100
 72 22.5 13.5 40.4



Abundance Ion 43.00 (42.70 to 43.70): VV0
 Ion 72.00 (71.70 to 72.70): VV0

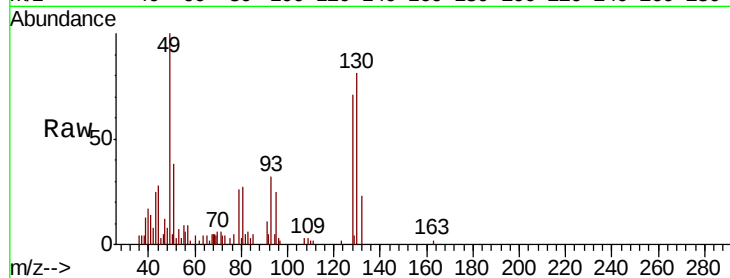




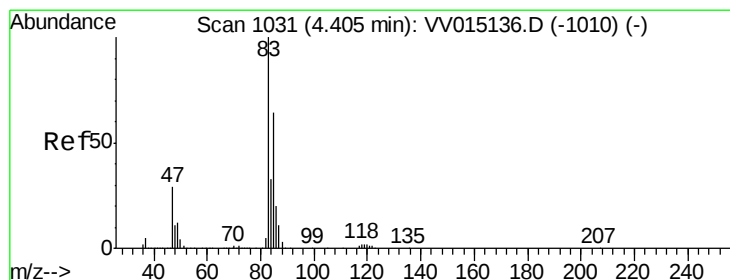
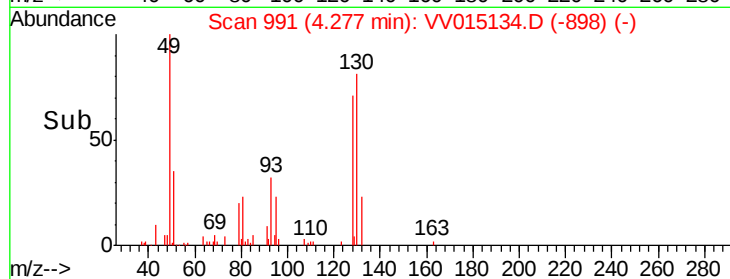
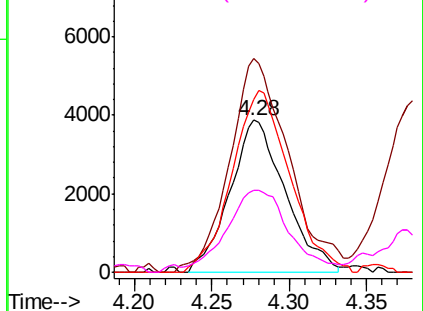
#23
Bromochloromethane
Concen: 5.360 ug/L
RT: 4.28 min Scan# 991
Delta R.T. 0.00 min
Lab File: VV015134.D
Acq: 25 Mar 2020 10:57

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	128	Resp:	9613
Ion	Ratio	Lower	Upper
128	100		
49	140.6	117.1	217.5
130	113.9	89.5	166.1
51	53.8	42.2	63.4

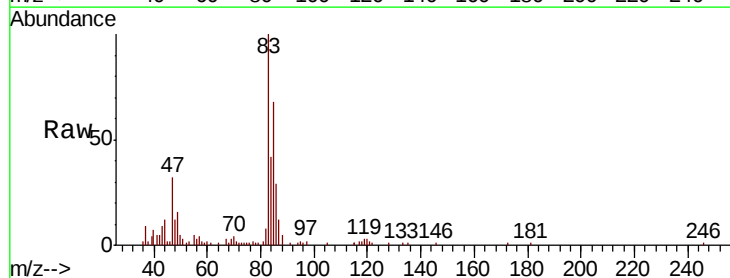


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VV0
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VV0

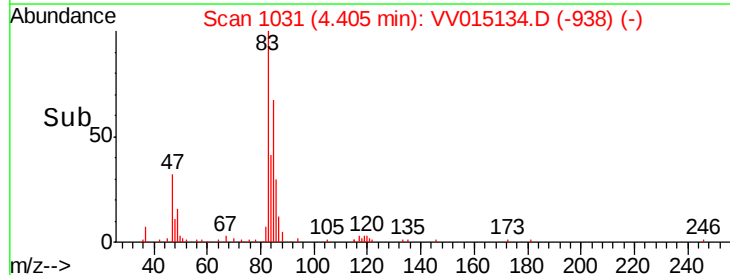
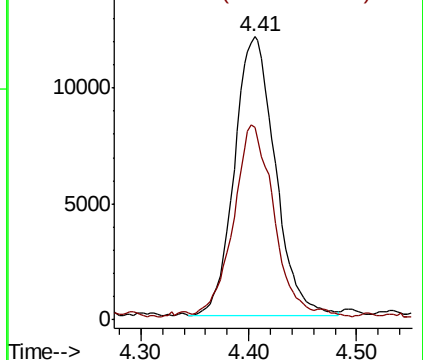


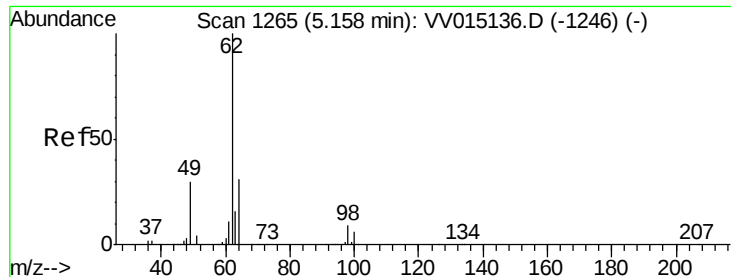
#25
Chloroform
Concen: 5.502 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV015134.D
Acq: 25 Mar 2020 10:57

Tgt Ion:	83	Resp:	31508
Ion	Ratio	Lower	Upper
83	100		
85	68.1	44.8	83.2



Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 85.00 (84.70 to 85.70): VV0





#27

1,2-Dichloroethane

Concen: 5.250 ug/L

RT: 5.16 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VV015134.D

Acq: 25 Mar 2020 10:57

Instrument :

MSVOA_V

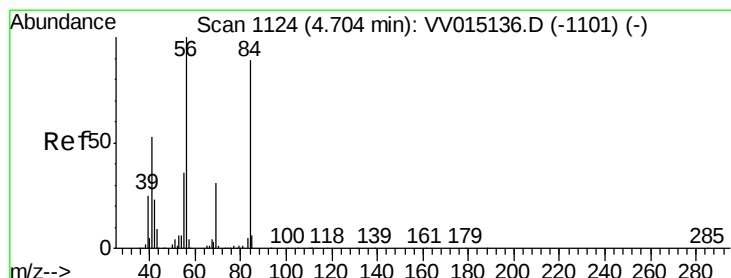
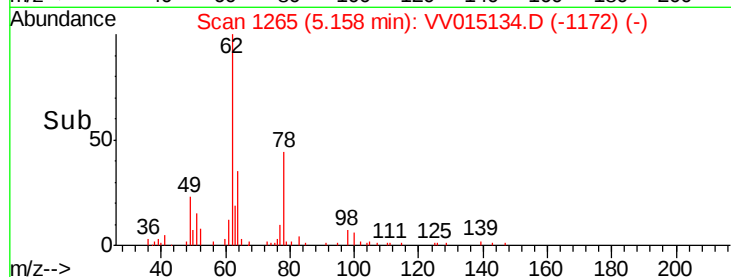
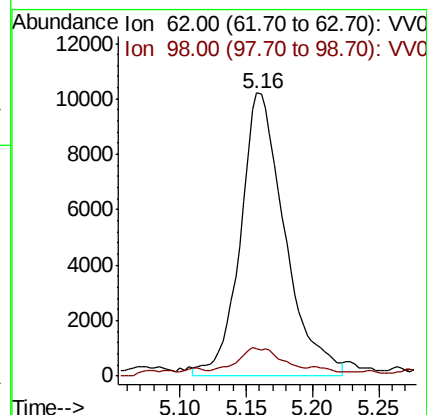
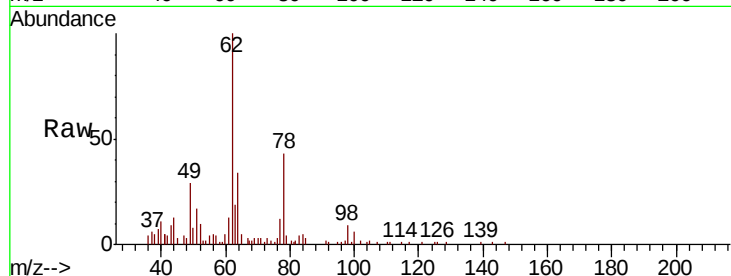
ClientSampleId :

Tot Ion: 62 Resp: 23895

Ion Ratio Lower Upper

62 100

98 9.5 7.5 11.3



#29

Cyclohexane

Concen: 7.776 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VV015134.D

Acq: 25 Mar 2020 10:57

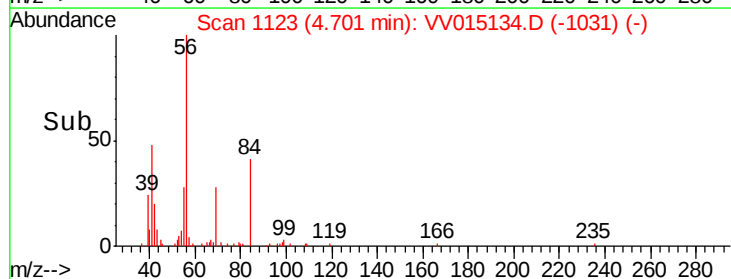
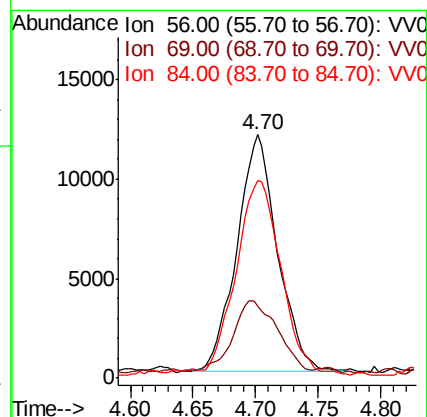
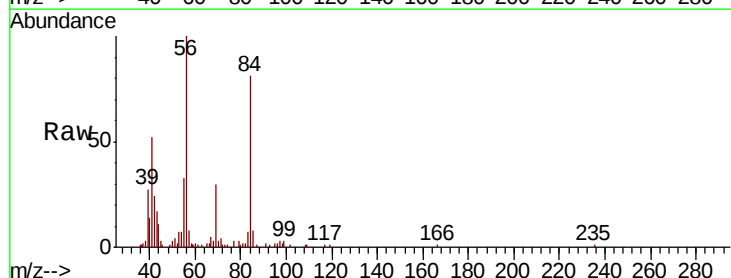
Tgt Ion: 56 Resp: 26852

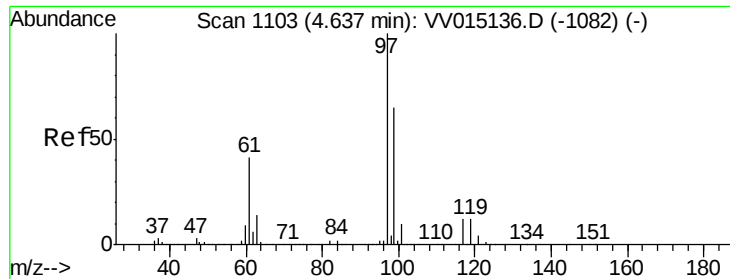
Ion Ratio Lower Upper

56 100

69 35.2 25.4 38.2

84 90.0 74.0 111.0

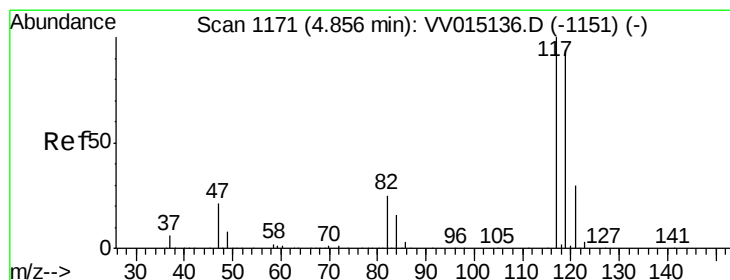
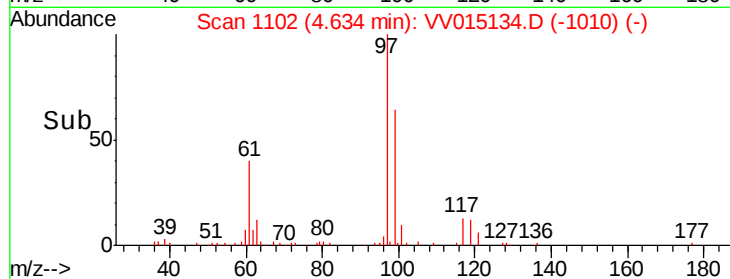
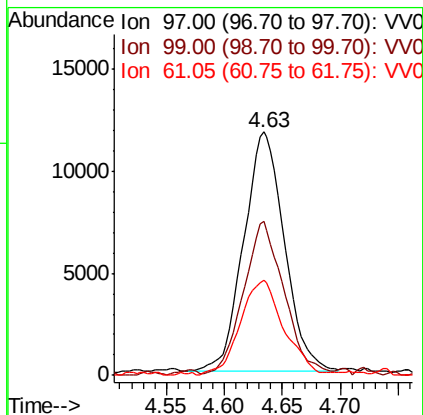
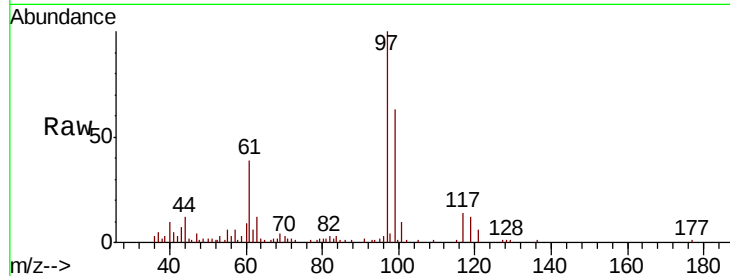




#30
 1,1,1-Trichloroethane
 Concen: 6.461 ug/L
 RT: 4.63 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VV015134.D
 Acq: 25 Mar 2020 10:57

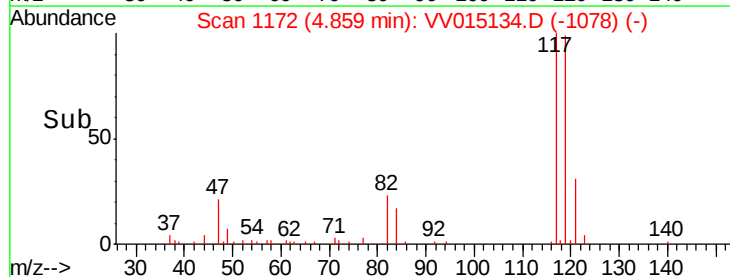
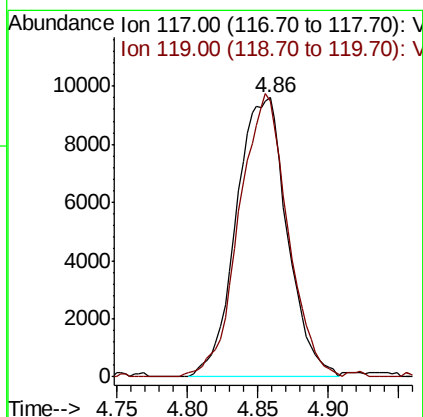
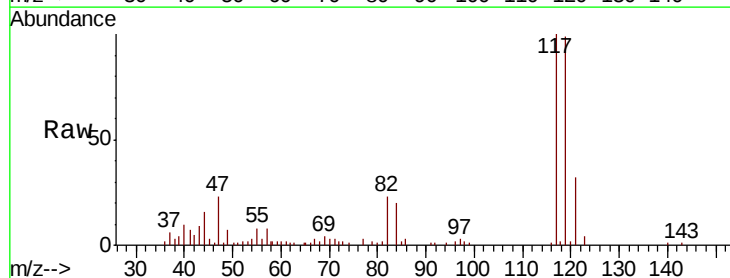
Instrument :
 MSVOA_V
 ClientSampleId :

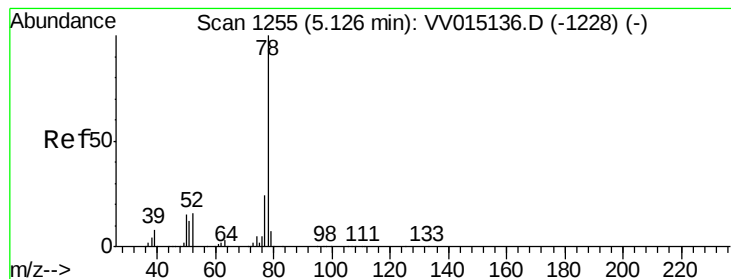
Tot Ion: 97 Resp: 28878
 Ion Ratio Lower Upper
 97 100
 99 64.1 52.5 78.7
 61 42.2 33.2 49.8



#31
 Carbon tetrachloride
 Concen: 6.822 ug/L
 RT: 4.86 min Scan# 1172
 Delta R.T. 0.00 min
 Lab File: VV015134.D
 Acq: 25 Mar 2020 10:57

Tgt Ion: 117 Resp: 24256
 Ion Ratio Lower Upper
 117 100
 119 96.9 76.2 114.4





#33

Benzene

Concen: 5.429 ug/L

RT: 5.13 min Scan# 1255

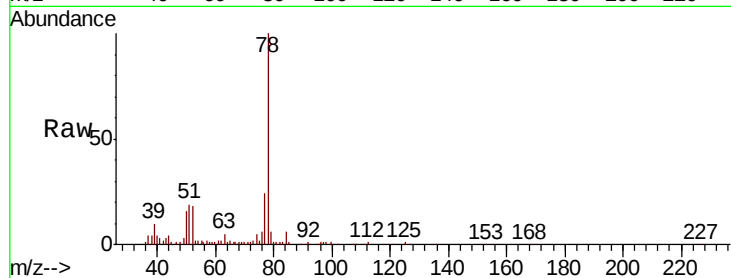
Delta R.T. 0.00 min

Lab File: VV015134.D

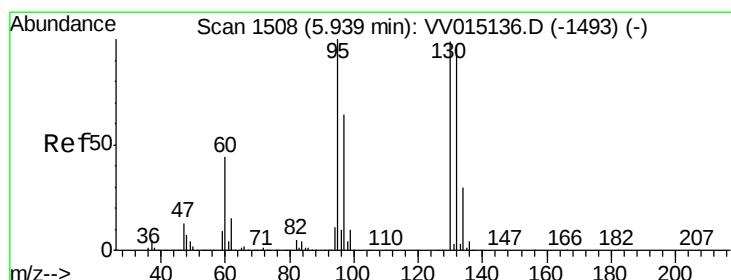
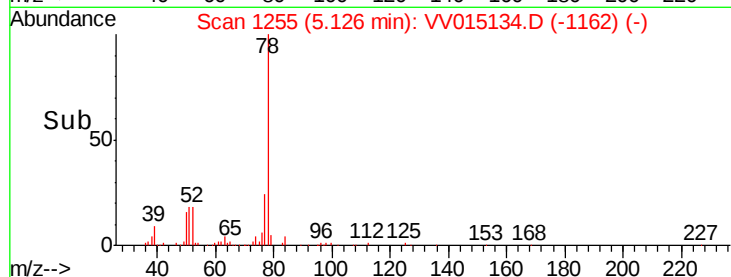
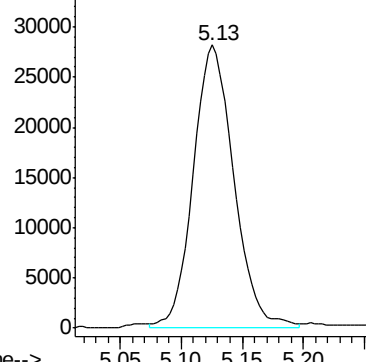
Acq: 25 Mar 2020 10:57

Instrument :
MSVOA_V
ClientSampled :

Tgt Ion: 78 Resp: 65056



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34

Trichloroethene

Concen: 6.416 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV015134.D

Acq: 25 Mar 2020 10:57

Tgt Ion: 95 Resp: 18039

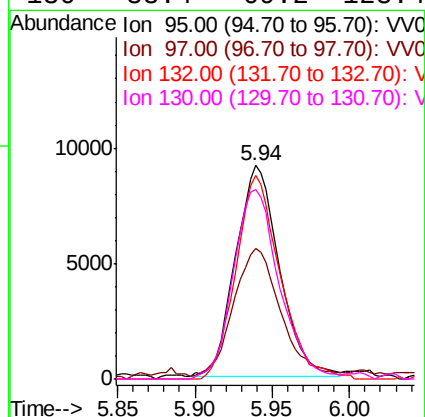
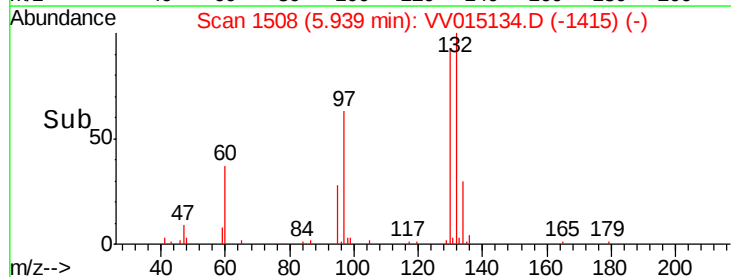
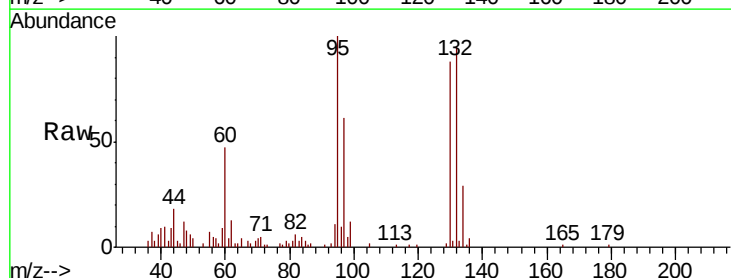
Ion	Ratio	Lower	Upper
95	100		
97	61.4	44.4	82.4
132	95.4	67.6	125.6
130	88.4	69.2	128.4

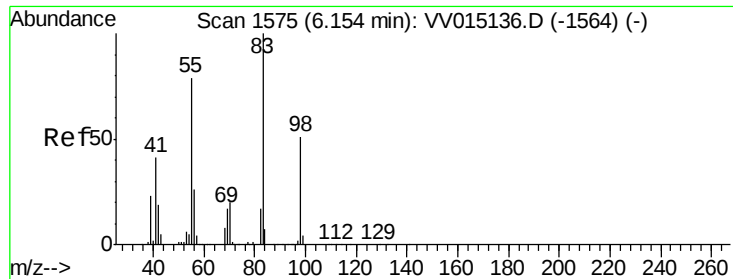
Abundance Ion 95.00 (94.70 to 95.70): VV0

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

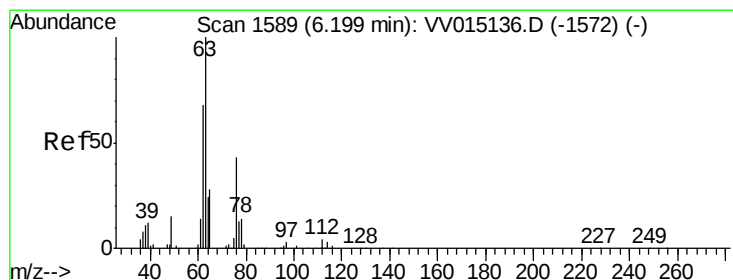
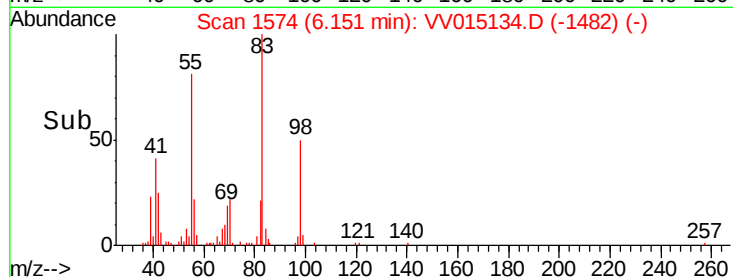
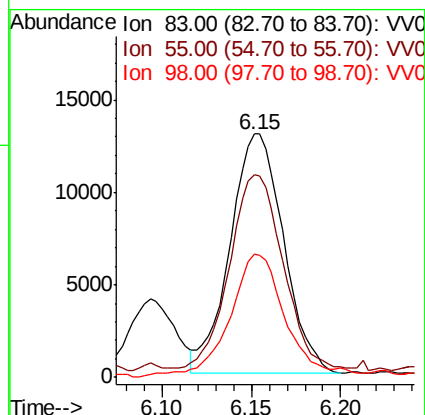
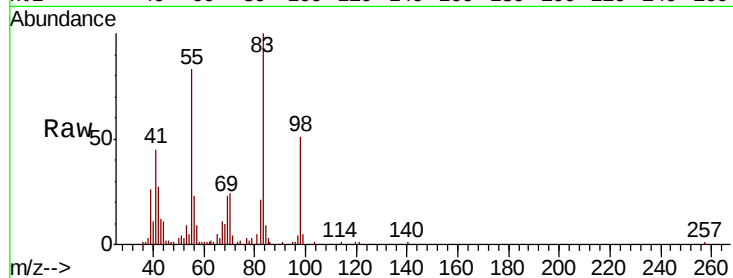




#35
Methvlcvclohexane
Concen: 7.776 ug/L
RT: 6.15 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VV015134.D
Acq: 25 Mar 2020 10:57

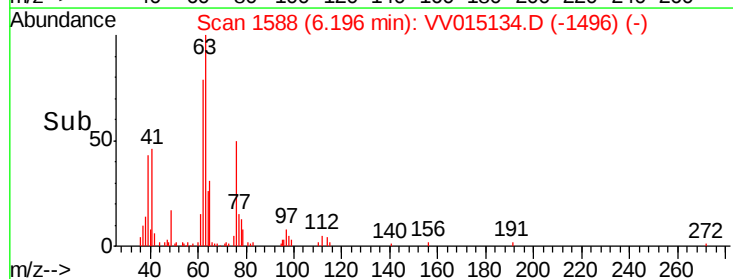
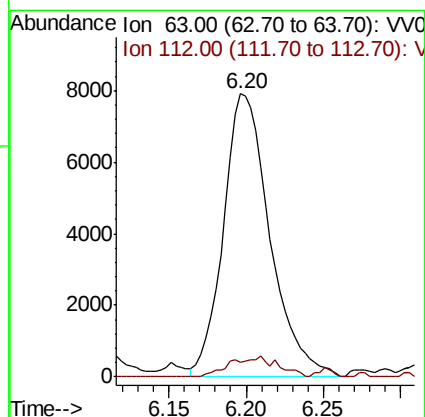
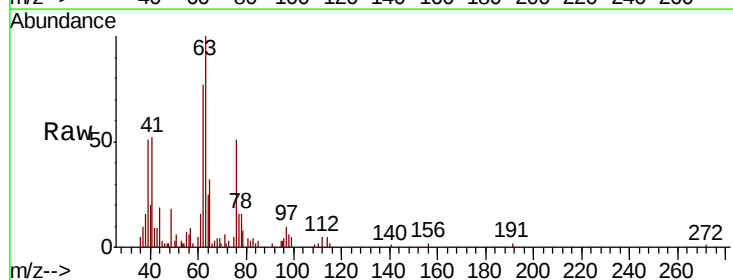
Instrument :
MSVOA_V
ClientSampleId :

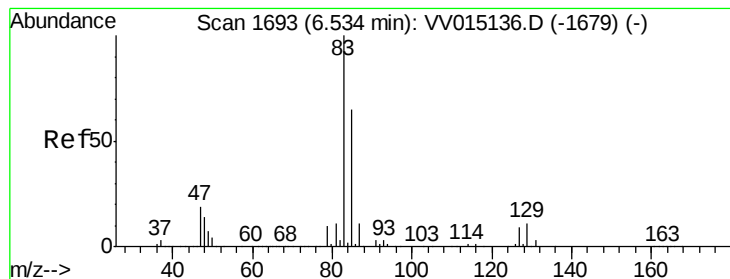
Tot Ion: 83 Resp: 27125
Ion Ratio Lower Upper
83 100
55 79.9 59.5 89.3
98 52.6 39.1 58.7



#37
1,2-Dichloropropane
Concen: 5.039 ug/L
RT: 6.20 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VV015134.D
Acq: 25 Mar 2020 10:57

Tgt Ion: 63 Resp: 16487
Ion Ratio Lower Upper
63 100
112 2.6 3.8 5.6#





#38

Bromodichloromethane

Concen: 5.444 ug/L

RT: 6.53 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VV015134.D

Acq: 25 Mar 2020 10:57

Instrument :

MSVOA_V

ClientSampleId :

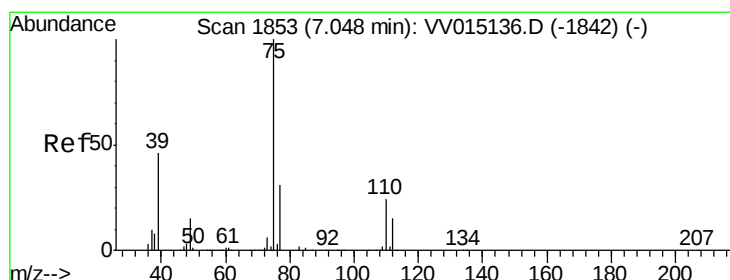
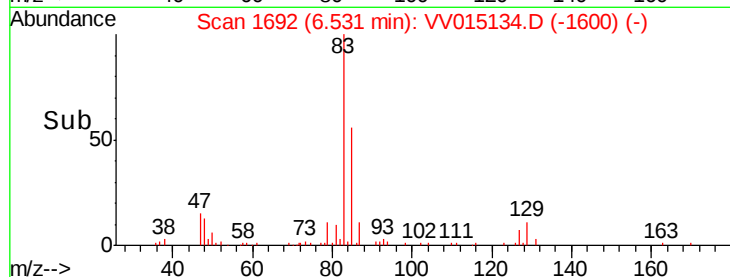
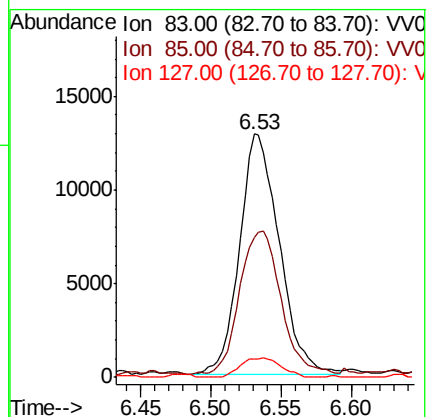
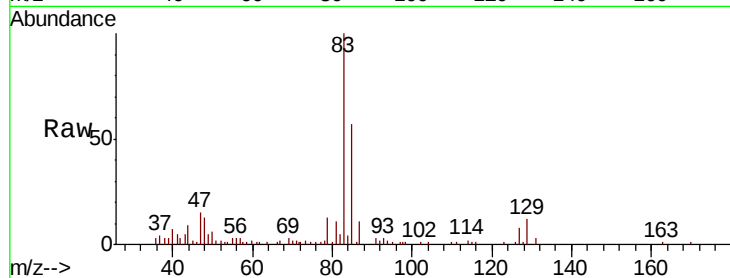
Tot Ion: 83 Resp: 25496

Ion Ratio Lower Upper

83 100

85 57.4 45.4 84.4

127 7.5 6.9 10.3



#39

cis-1,3-Dichloropropene

Concen: 5.357 ug/L

RT: 7.05 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VV015134.D

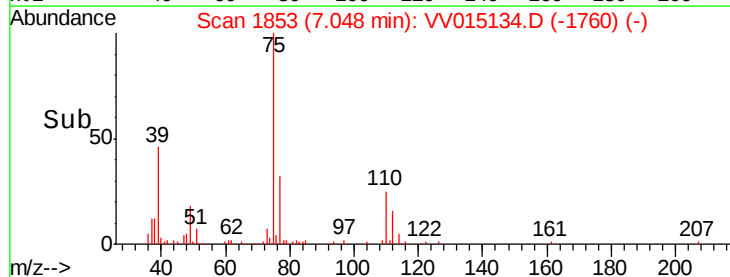
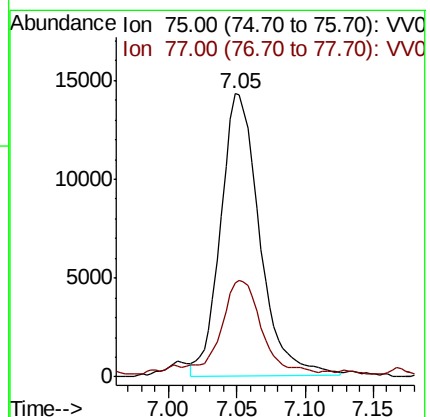
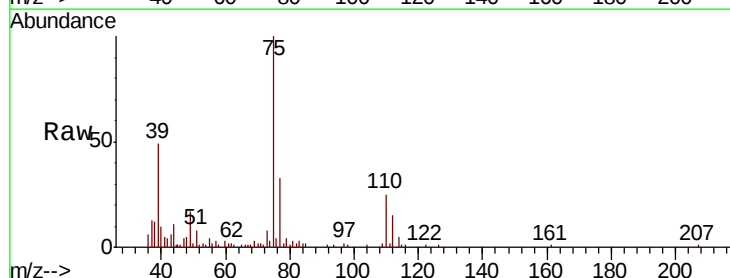
Acq: 25 Mar 2020 10:57

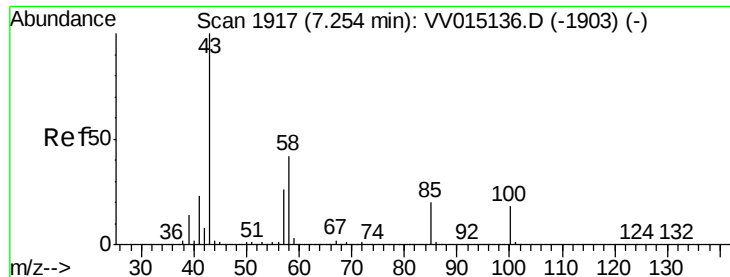
Tgt Ion: 75 Resp: 28310

Ion Ratio Lower Upper

75 100

77 33.4 22.1 41.1





#40

4-Methyl-2-pentanone

Concen: 8.861 ug/L

RT: 7.26 min Scan# 1918

Delta R.T. 0.00 min

Lab File: VV015134.D

Acq: 25 Mar 2020 10:57

Instrument :
MSVOA_V
ClientSampled :

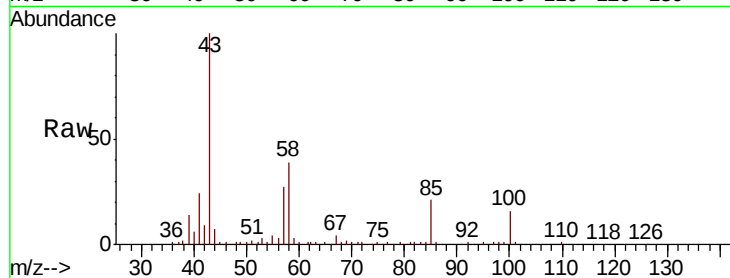
Tot Ion: 43 Resp: 48563

Ion Ratio Lower Upper

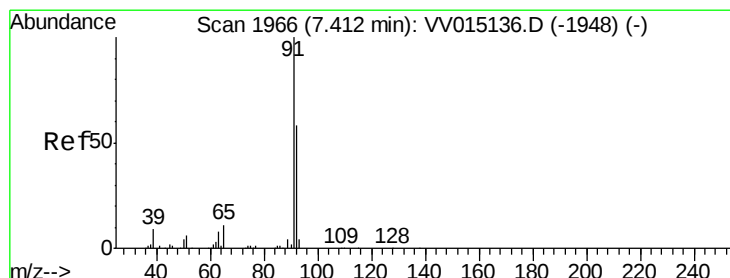
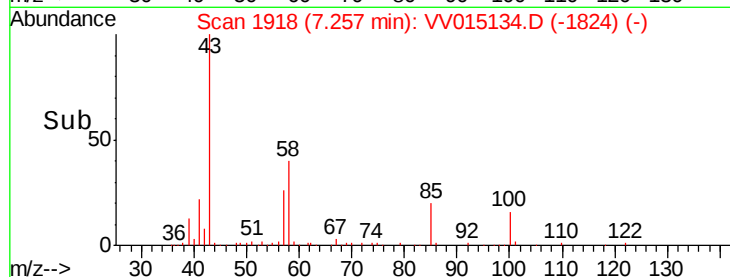
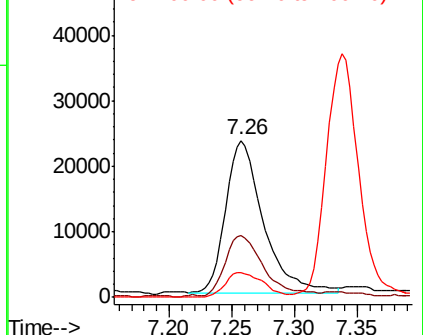
43 100

58 39.5 32.5 48.7

100 16.4 13.8 20.8



Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 100.00 (99.70 to 100.70): VV0



#42

Toluene

Concen: 5.850 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV015134.D

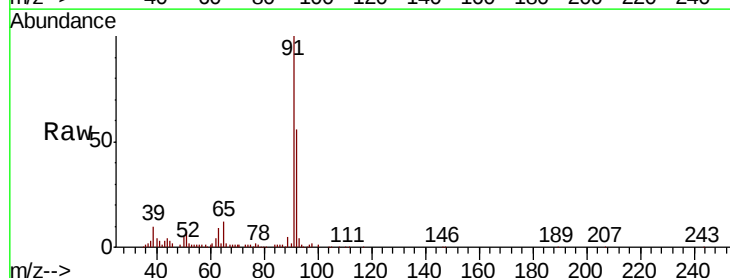
Acq: 25 Mar 2020 10:57

Tgt Ion: 91 Resp: 71475

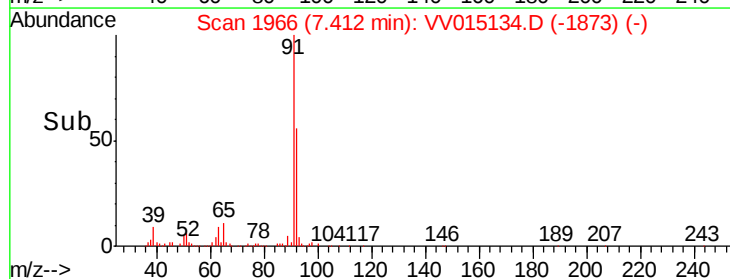
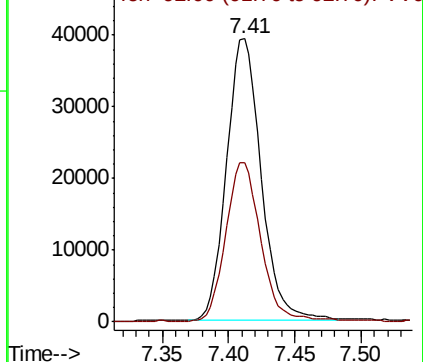
Ion Ratio Lower Upper

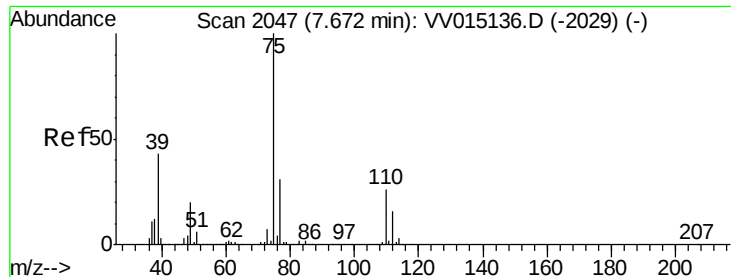
91 100

92 56.3 40.7 75.7



Abundance Ion 91.00 (90.70 to 91.70): VV0
Ion 92.00 (91.70 to 92.70): VV0





#44

trans-1,3-Dichloropropene

Concen: 5.348 ug/L

RT: 7.68 min Scan# 2048

Delta R.T. 0.00 min

Lab File: VV015134.D

Acq: 25 Mar 2020 10:57

Instrument :

MSVOA_V

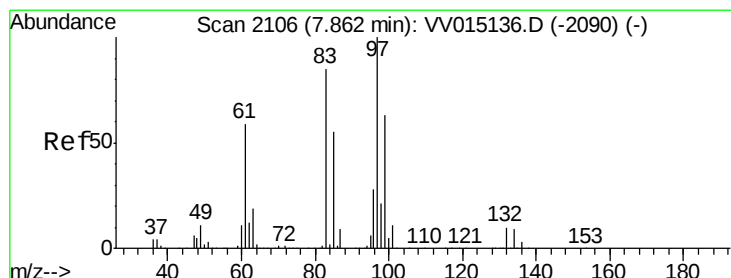
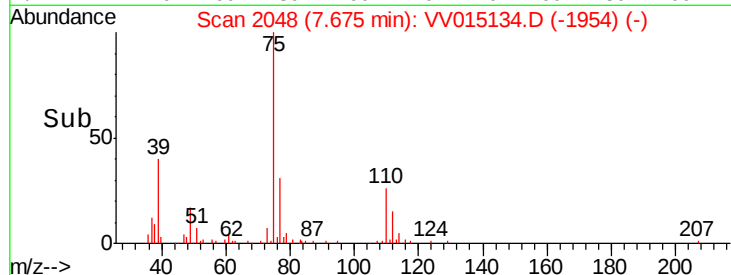
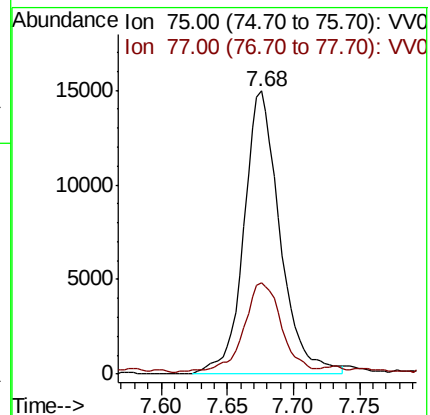
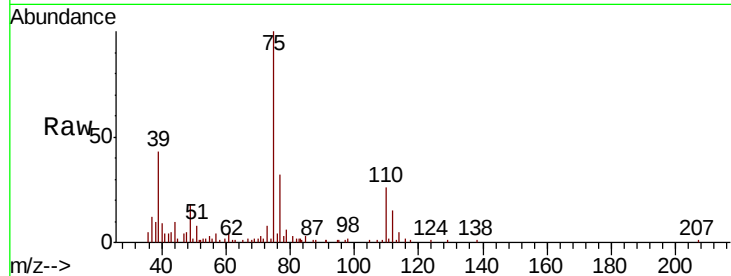
ClientSampleId :

Tot Ion: 75 Resp: 28349

Ion Ratio Lower Upper

75 100

77 32.3 22.0 41.0



#45

1,1,2-Trichloroethane

Concen: 4.522 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VV015134.D

Acq: 25 Mar 2020 10:57

Tgt Ion: 97 Resp: 15395

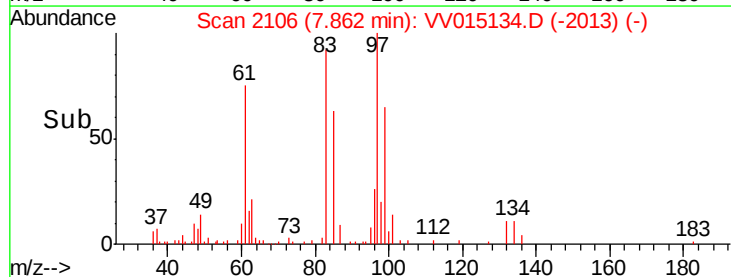
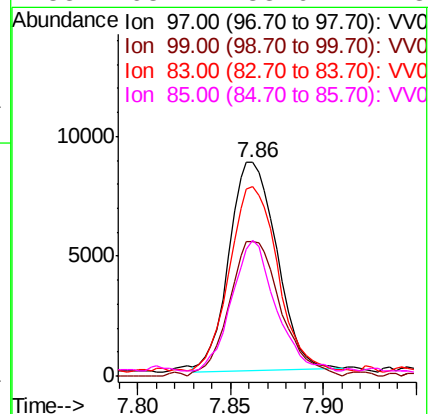
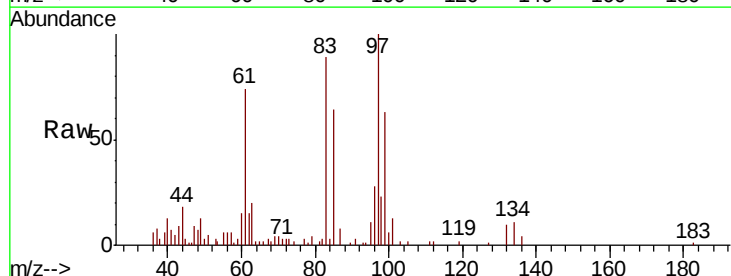
Ion Ratio Lower Upper

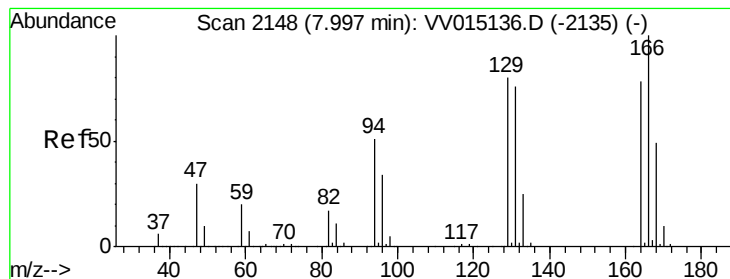
97 100

99 63.1 44.2 82.2

83 88.6 59.9 111.3

85 63.7 38.6 71.8





#46

Tetrachloroethene

Concen: 6.889 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. -0.00 min

Lab File: VV015134.D

Acq: 25 Mar 2020 10:57

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:164 Resp: 12485

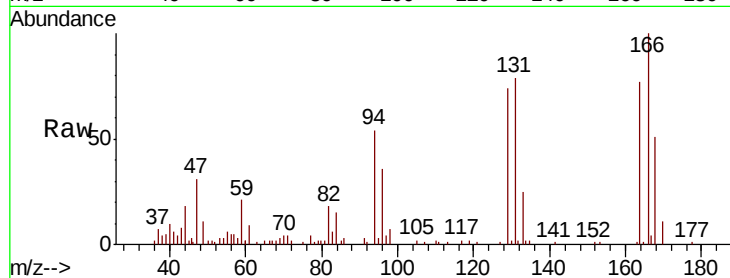
Ion Ratio Lower Upper

164 100

129 94.3 71.2 132.2

131 101.4 67.8 125.8

166 127.5 89.2 165.8

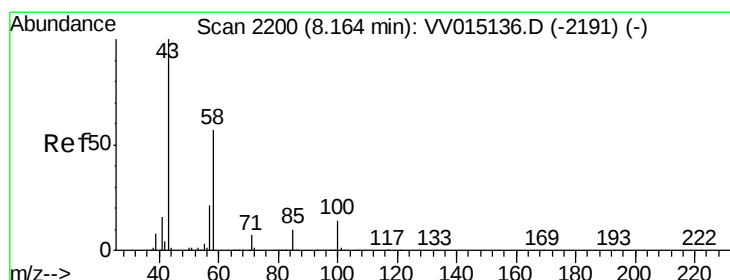
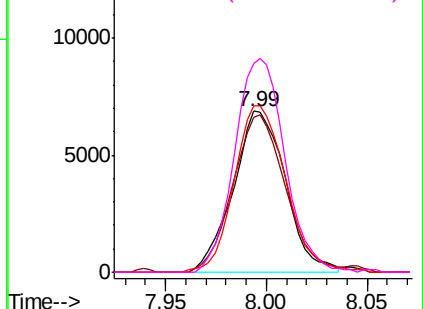
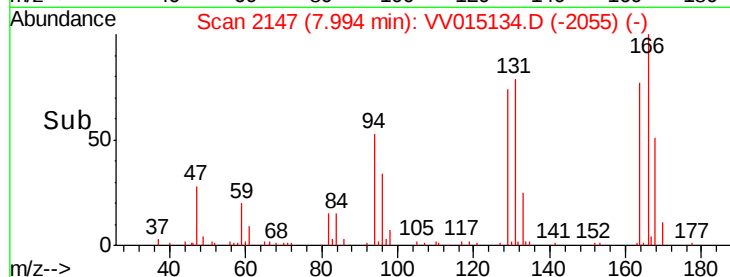


Abundance Ion 164.00 (163.70 to 164.70): V

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: 9.452 ug/L

RT: 8.17 min Scan# 2202

Delta R.T. 0.01 min

Lab File: VV015134.D

Acq: 25 Mar 2020 10:57

Tgt Ion: 43 Resp: 38057

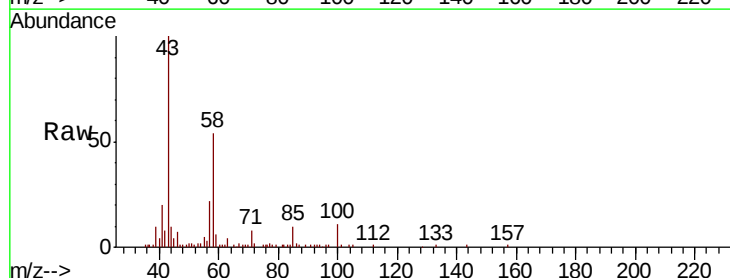
Ion Ratio Lower Upper

43 100

58 58.7 47.0 70.6

57 15.2 16.5 24.7#

100 13.4 10.9 16.3

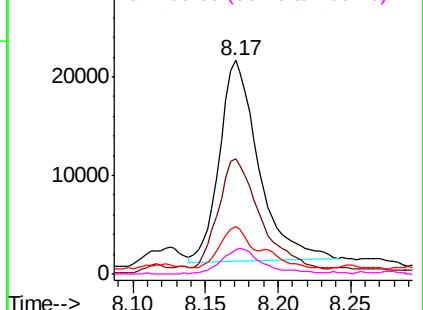
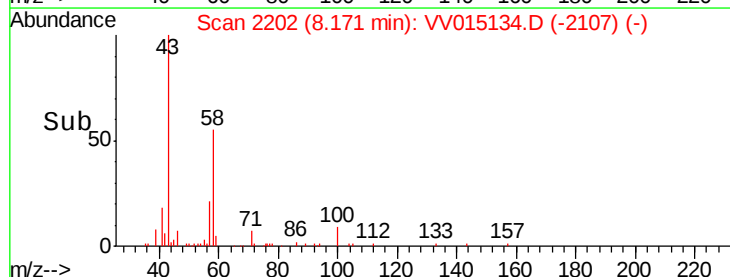


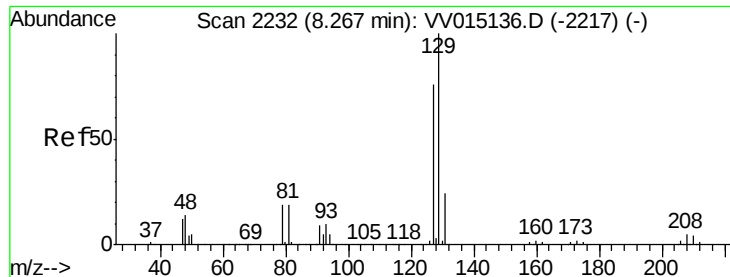
Abundance Ion 43.00 (42.70 to 43.70): VV0

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: 4.970 ug/L

RT: 8.27 min Scan# 2232

Delta R.T. 0.00 min

Lab File: VV015134.D

Acq: 25 Mar 2020 10:57

Instrument :

MSVOA_V

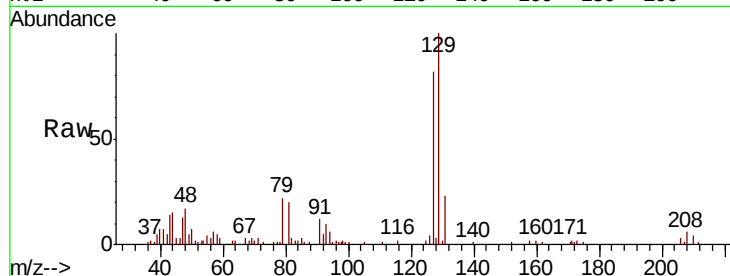
ClientSampleId :

Tot Ion:129 Resp: 18991

Ion Ratio Lower Upper

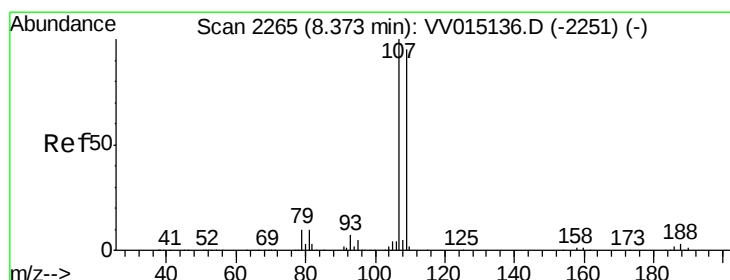
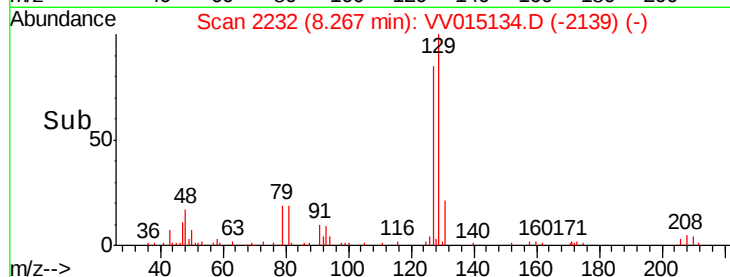
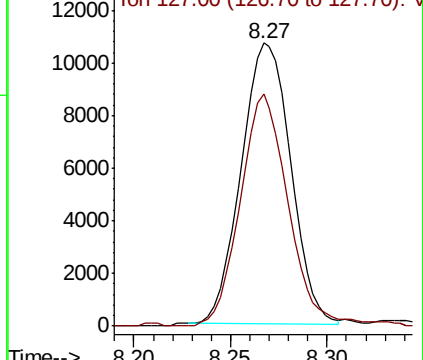
129 100

127 82.1 53.4 99.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#50

1,2-Dibromoethane

Concen: 5.055 ug/L

RT: 8.38 min Scan# 2266

Delta R.T. 0.00 min

Lab File: VV015134.D

Acq: 25 Mar 2020 10:57

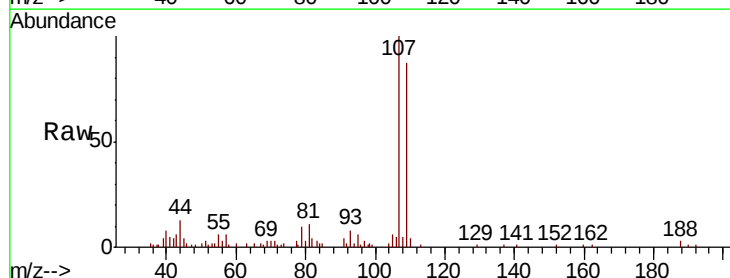
Tgt Ion:107 Resp: 18516

Ion Ratio Lower Upper

107 100

109 86.8 66.6 123.6

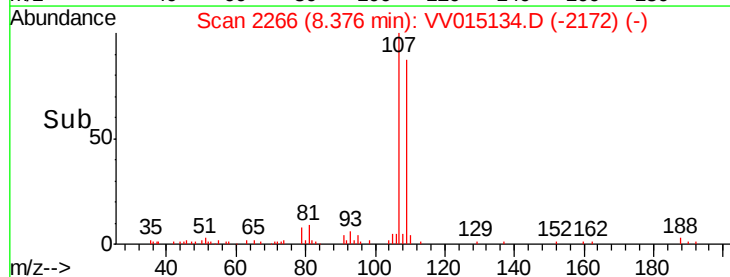
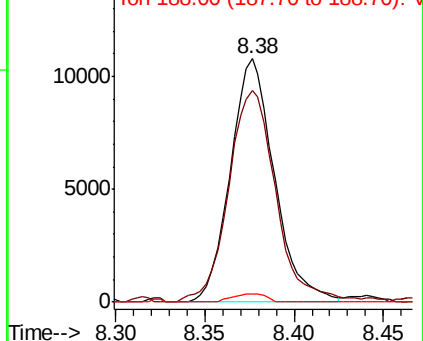
188 3.3 2.5 3.7

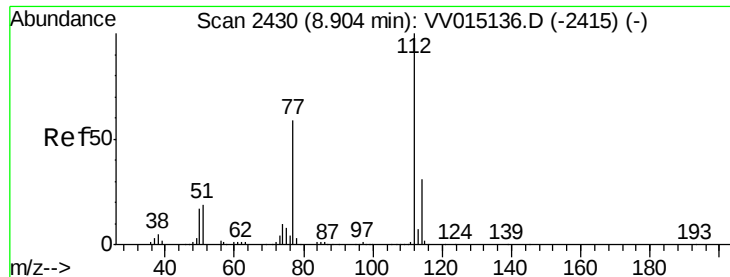


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V

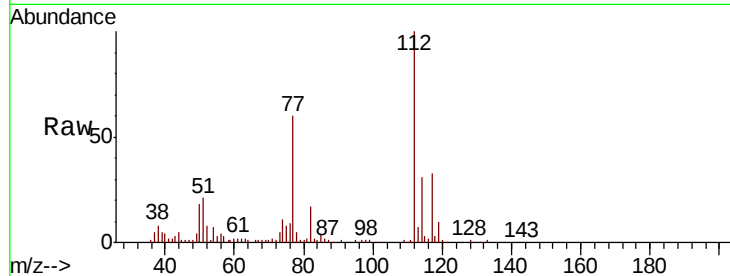




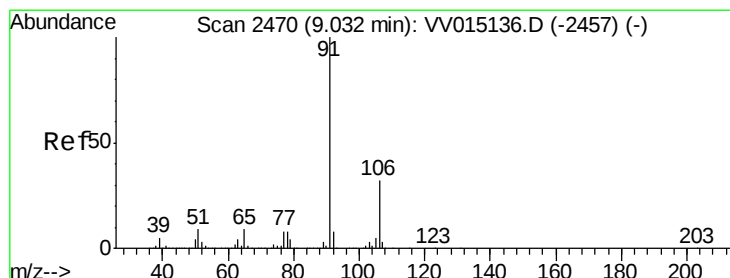
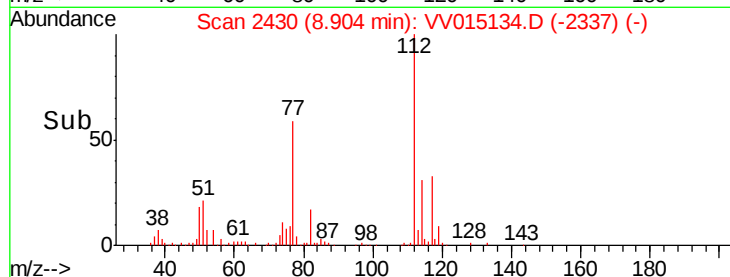
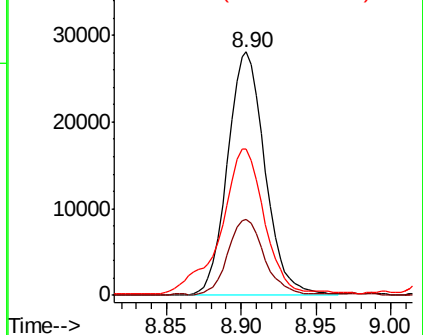
#51
Chlorobenzene
Concen: 6.081 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV015134.D
Acq: 25 Mar 2020 10:57

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:112 Resp: 49003
Ion Ratio Lower Upper
112 100
114 31.4 22.0 40.8
77 60.0 47.2 70.8

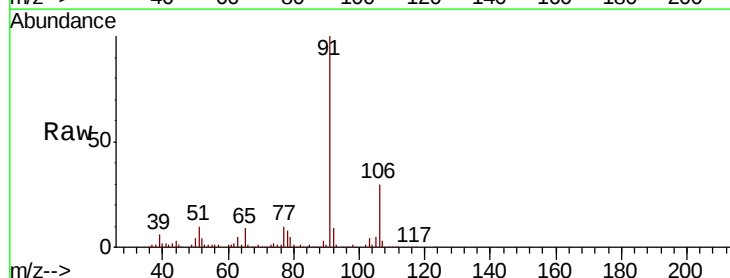


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

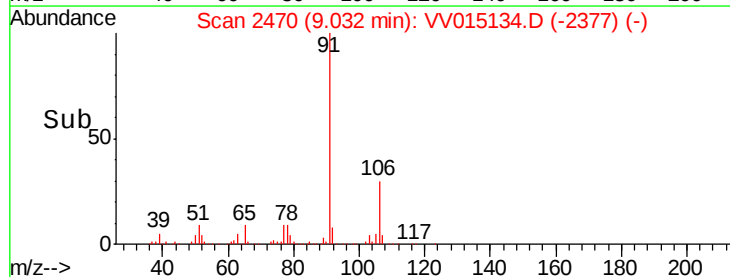
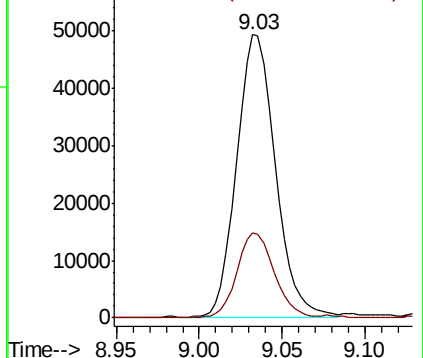


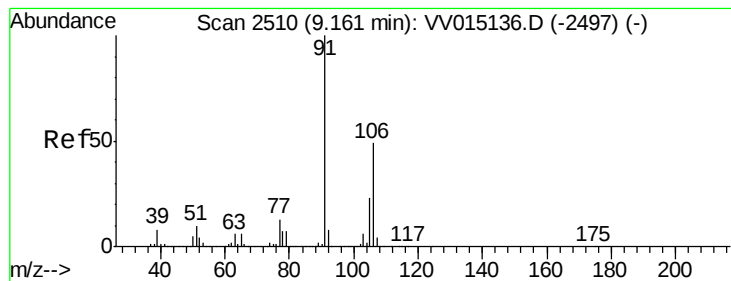
#52
Ethylbenzene
Concen: 6.356 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. 0.00 min
Lab File: VV015134.D
Acq: 25 Mar 2020 10:57

Tgt Ion: 91 Resp: 79806
Ion Ratio Lower Upper
91 100
106 30.0 22.2 41.2



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





#53

m,p-Xylene

Concen: 6.628 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV015134.D

Acq: 25 Mar 2020 10:57

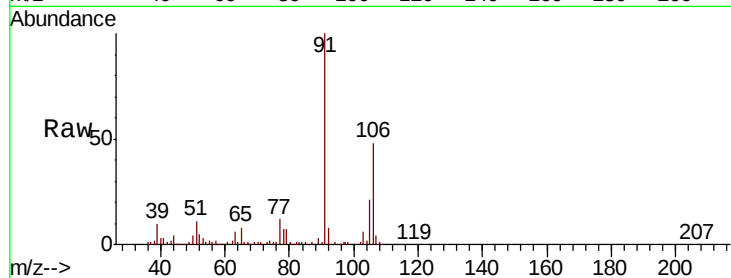
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 32156

Ion Ratio Lower Upper

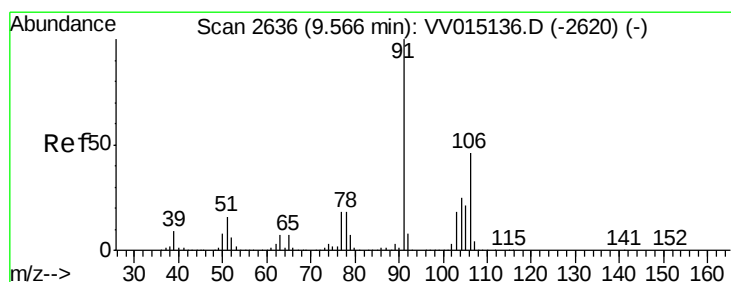
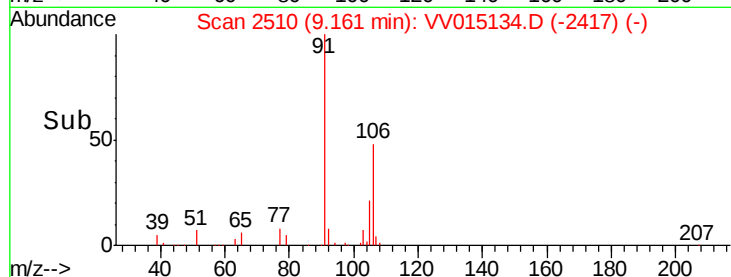
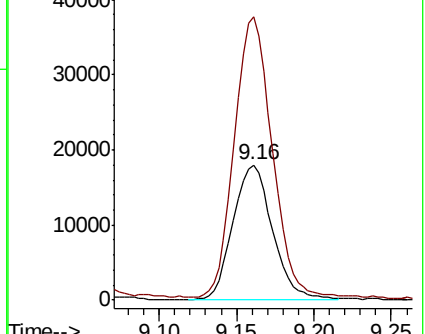
106 100

91 209.6 143.3 266.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#54

o-xylene

Concen: 5.944 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV015134.D

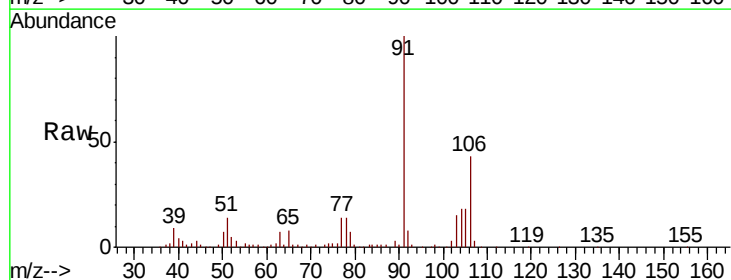
Acq: 25 Mar 2020 10:57

Tgt Ion:106 Resp: 30343

Ion Ratio Lower Upper

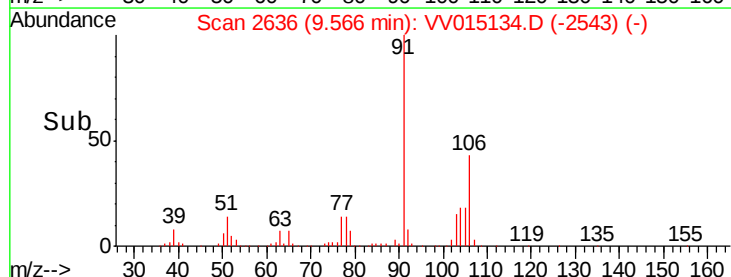
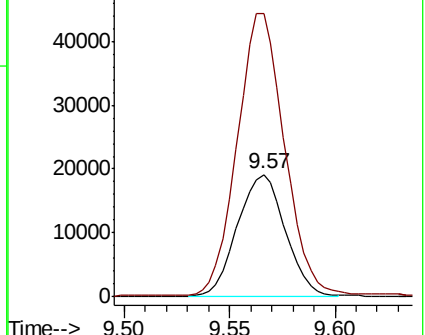
106 100

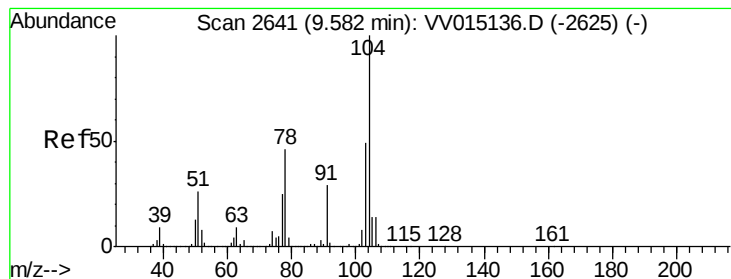
91 231.6 151.5 281.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#55

Stvrene

Concen: 5.779 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV015134.D

Acq: 25 Mar 2020 10:57

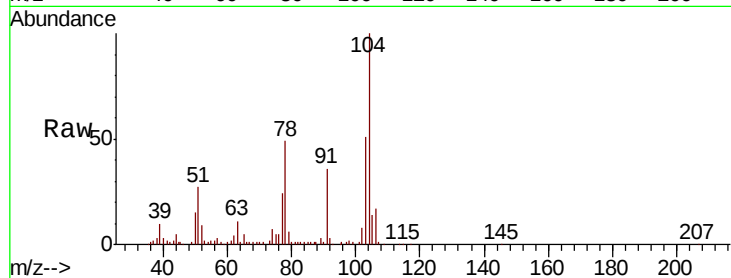
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:104 Resp: 51876

Ion Ratio Lower Upper

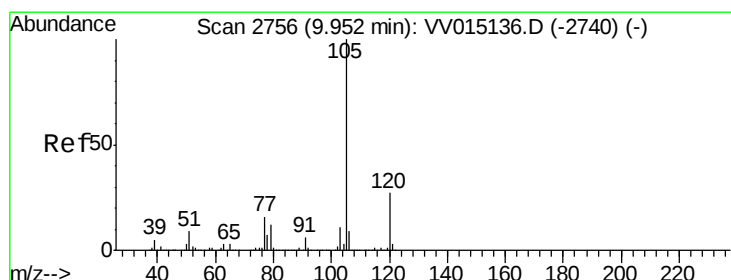
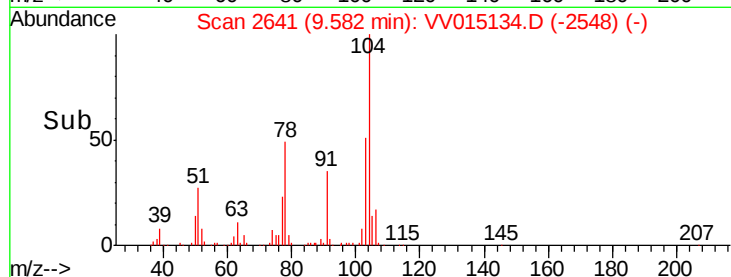
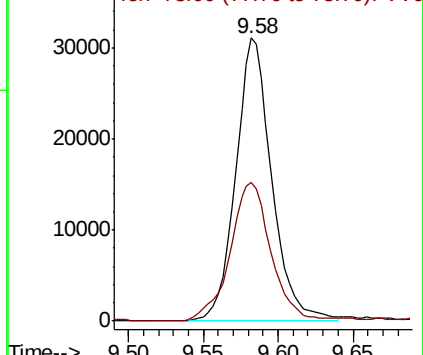
104 100

78 48.8 32.0 59.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0



#56

Isopropylbenzene

Concen: 6.523 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV015134.D

Acq: 25 Mar 2020 10:57

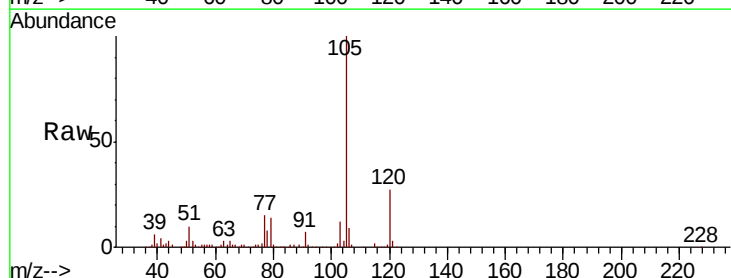
Tgt Ion:105 Resp: 77177

Ion Ratio Lower Upper

105 100

120 27.0 21.4 32.2

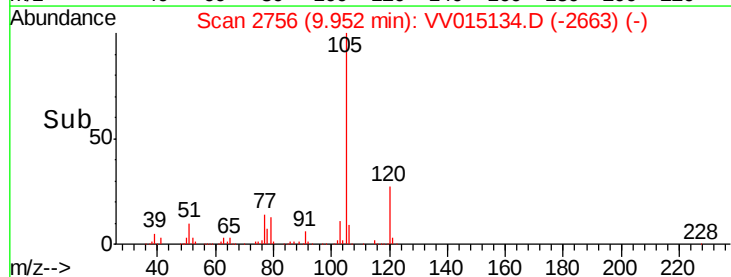
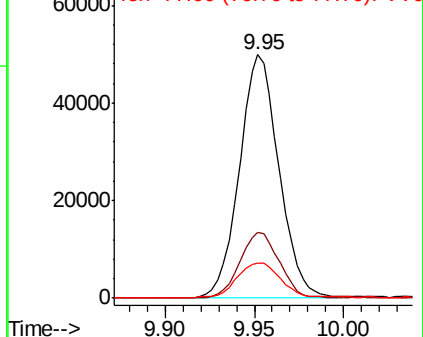
77 16.5 12.5 18.7

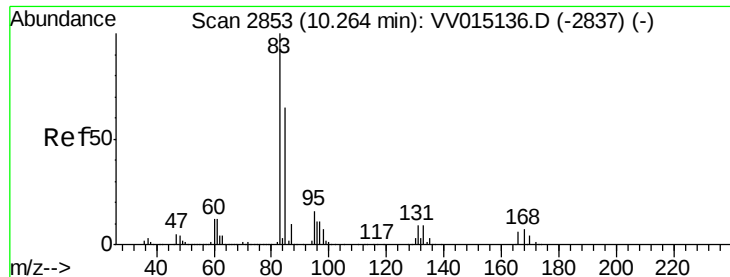


Abundance Ion 105.00 (104.70 to 105.70): V

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: 5.060 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV015134.D

Acq: 25 Mar 2020 10:57

Instrument :

MSVOA_V

ClientSampleId :

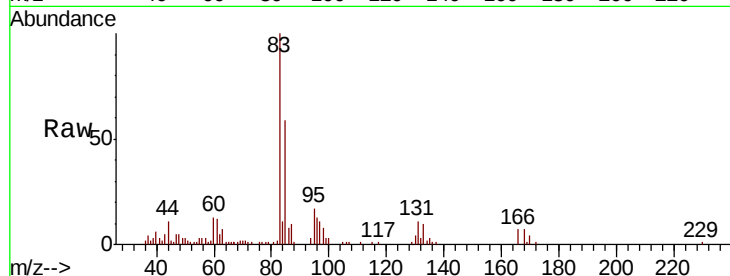
Tot Ion: 83 Resp: 28540

Ion Ratio Lower Upper

83 100

85 59.2 45.8 85.2

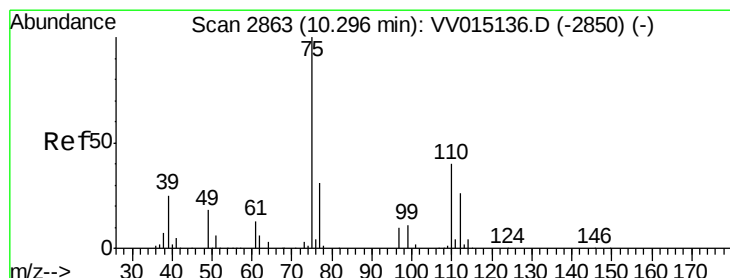
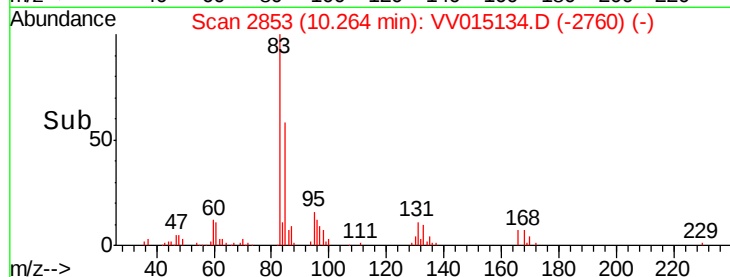
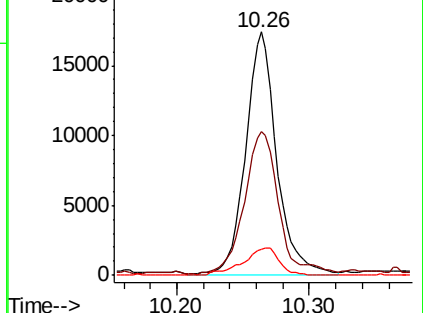
131 10.9 7.7 11.5



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): VV0



#59

1,2,3-Trichloropropane

Concen: 4.754 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV015134.D

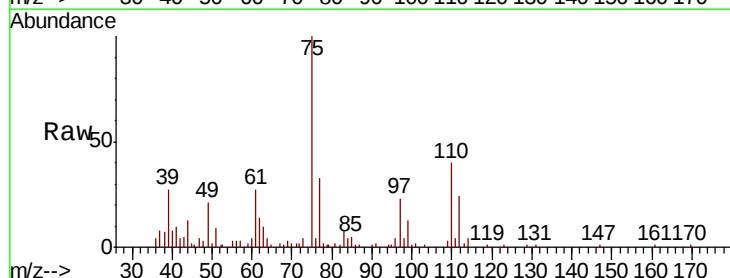
Acq: 25 Mar 2020 10:57

Tgt Ion: 75 Resp: 21664

Ion Ratio Lower Upper

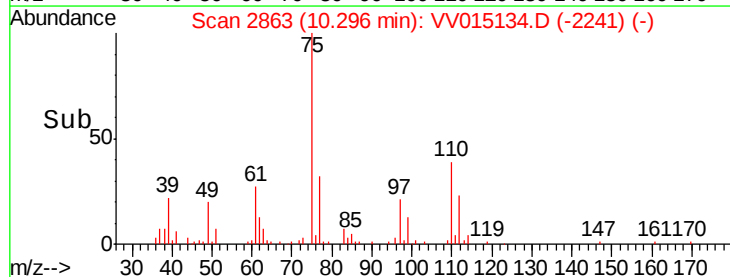
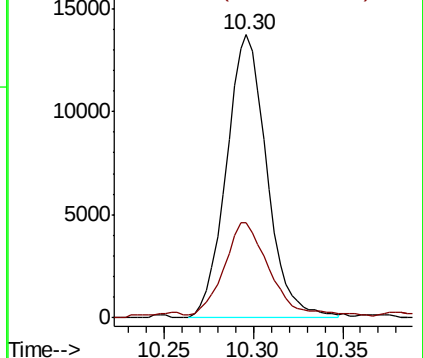
75 100

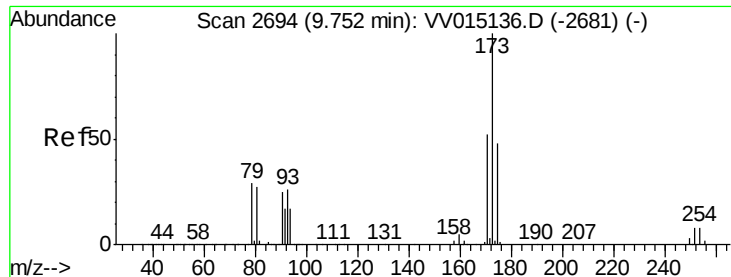
77 34.7 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





#61

Bromoform

Concen: 4.625 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VV015134.D

Acq: 25 Mar 2020 10:57

Instrument :
MSVOA_V
ClientSampleId :

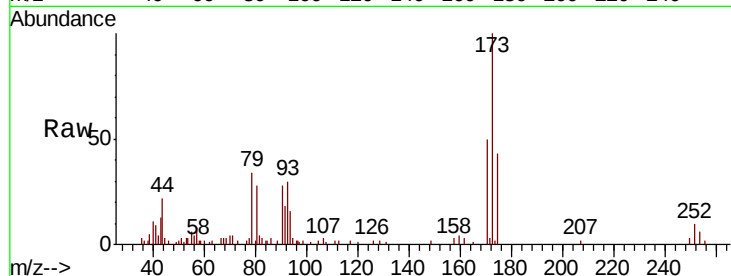
Tot Ion:173 Resp: 13239

Ion Ratio Lower Upper

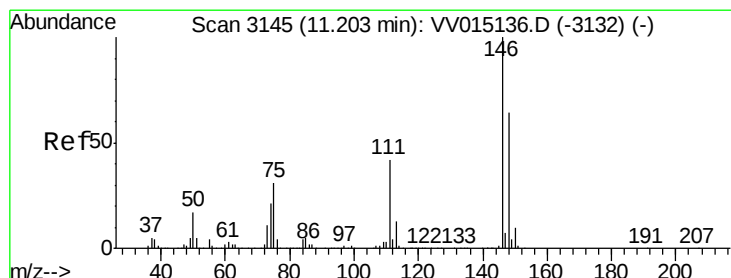
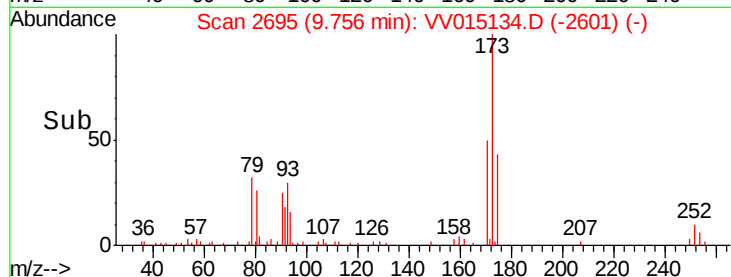
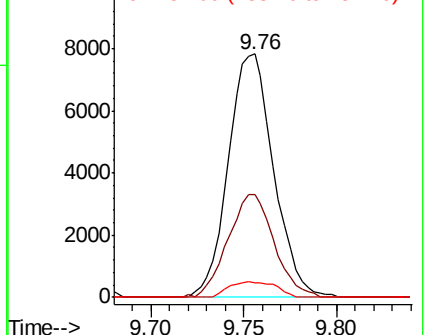
173 100

175 43.0 37.8 56.8

254 6.7 6.1 9.1



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: 5.900 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV015134.D

Acq: 25 Mar 2020 10:57

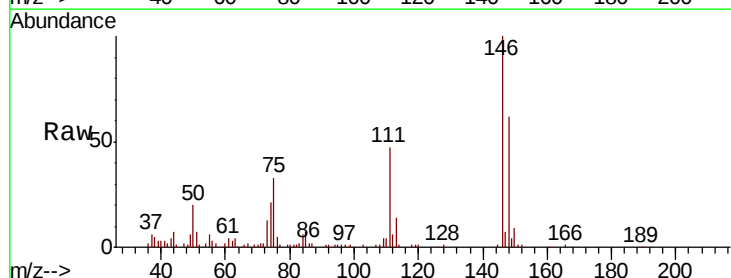
Tgt Ion:146 Resp: 35412

Ion Ratio Lower Upper

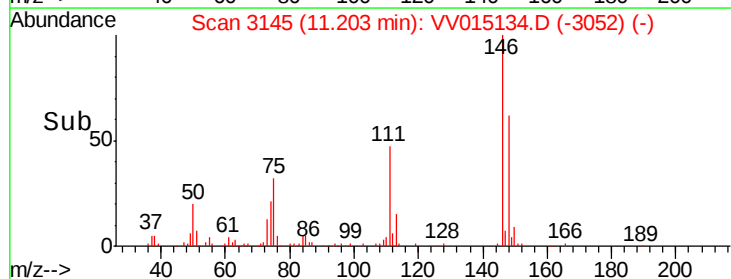
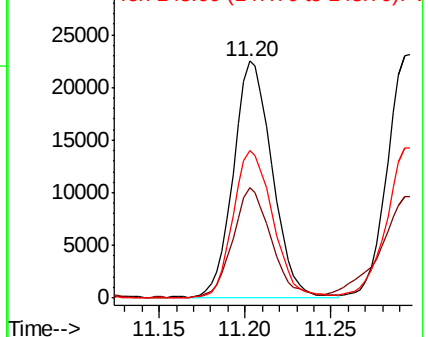
146 100

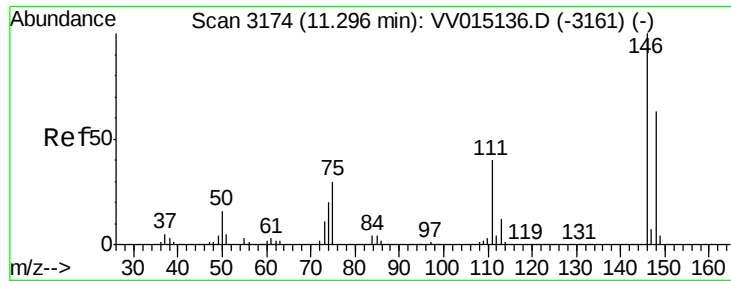
111 46.7 29.3 54.5

148 62.1 44.7 82.9



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: 6.160 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV015134.D

Acq: 25 Mar 2020 10:57

Instrument :

MSVOA_V

ClientSampled :

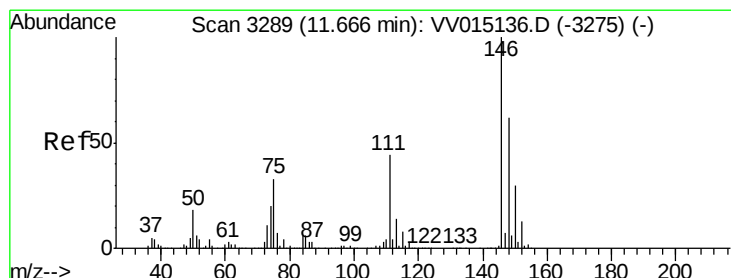
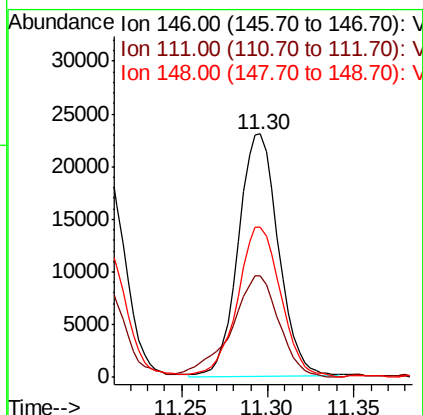
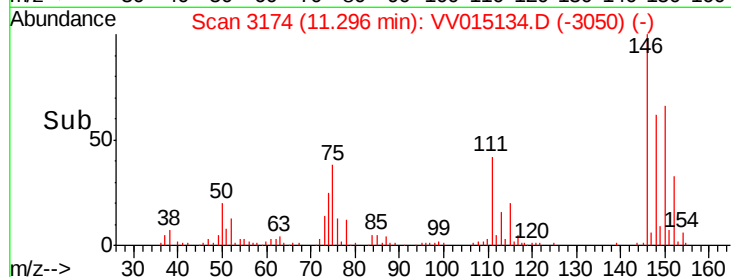
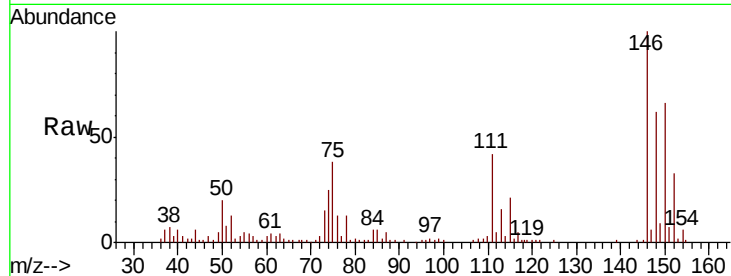
Tot Ion:146 Resp: 37579

Ion Ratio Lower Upper

146 100

111 42.0 28.4 52.8

148 61.9 44.0 81.8



#65

1,2-Dichlorobenzene

Concen: 5.562 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV015134.D

Acq: 25 Mar 2020 10:57

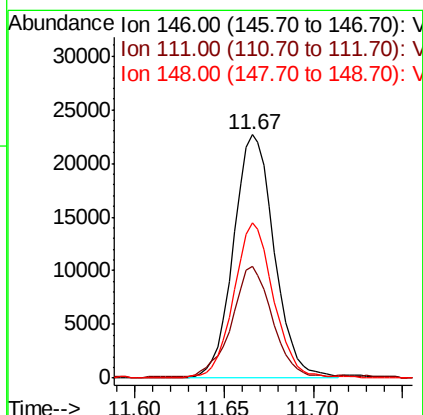
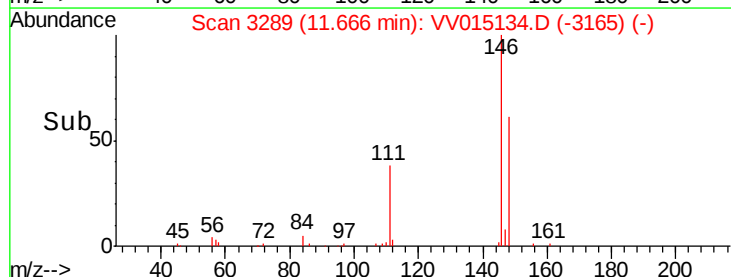
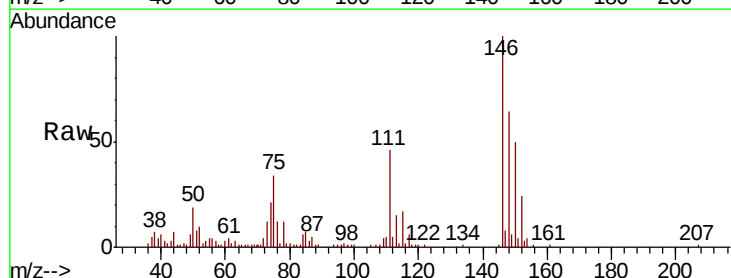
Tgt Ion:146 Resp: 36254

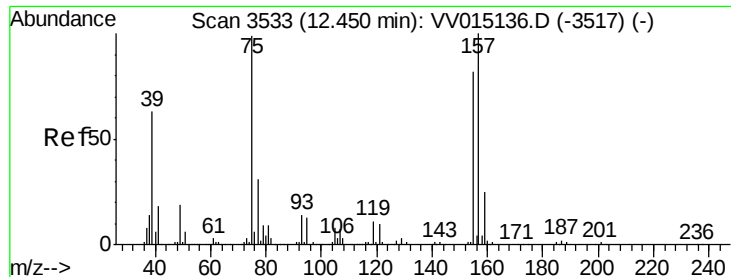
Ion Ratio Lower Upper

146 100

111 45.7 35.4 53.2

148 63.8 49.7 74.5

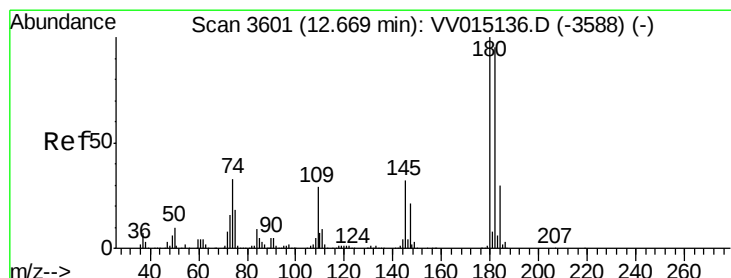
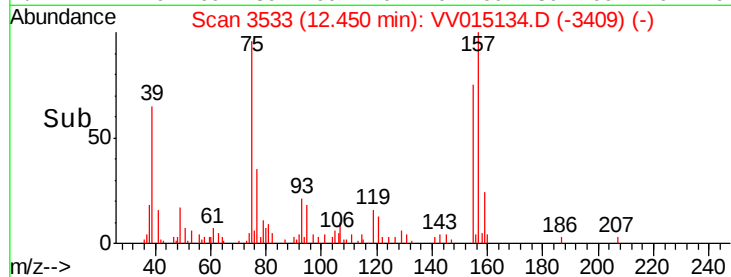
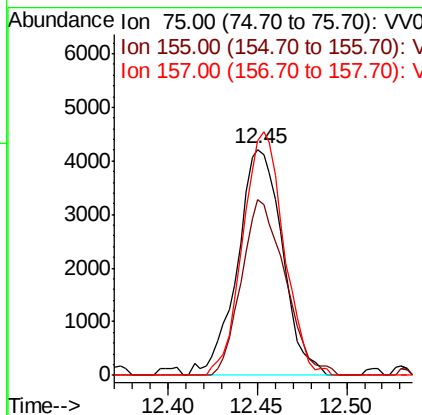
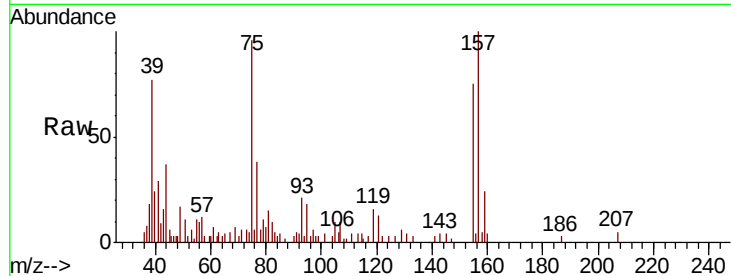




#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.436 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. 0.00 min
 Lab File: VV015134.D
 Acq: 25 Mar 2020 10:57

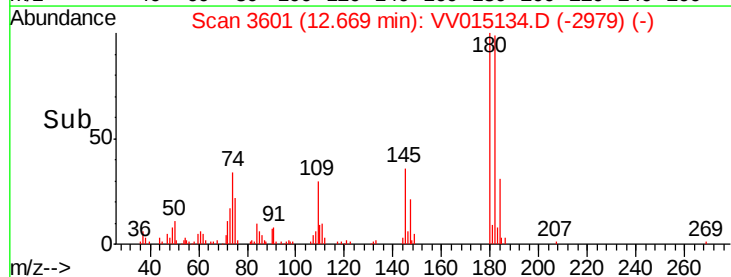
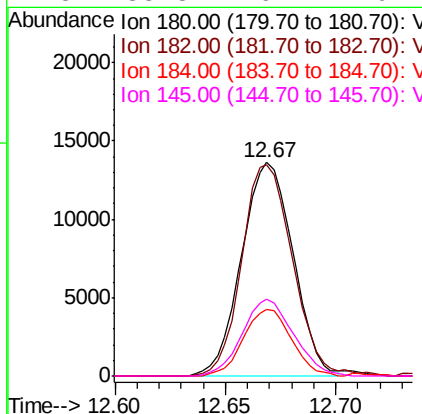
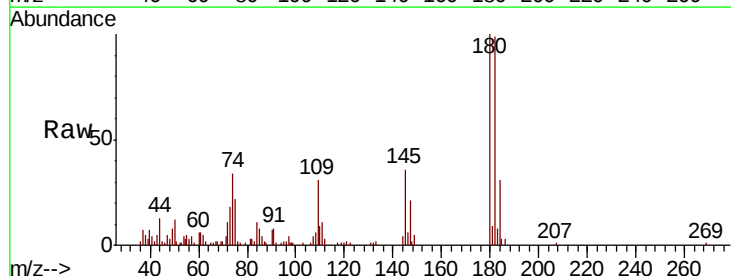
Instrument :
 MSVOA_V
 ClientSampleId :

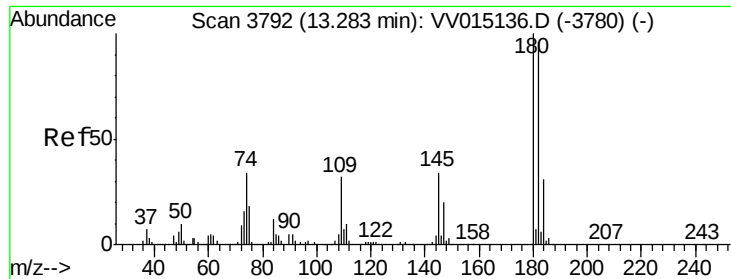
Tot Ion: 75 Resp: 7394
 Ion Ratio Lower Upper
 75 100
 155 77.8 66.2 99.4
 157 103.7 81.1 121.7



#67
 1,3,5-Trichlorobenzene
 Concen: 5.820 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV015134.D
 Acq: 25 Mar 2020 10:57

Tgt Ion: 180 Resp: 22116
 Ion Ratio Lower Upper
 180 100
 182 97.4 76.1 114.1
 184 29.1 24.4 36.6
 145 35.8 26.7 40.1

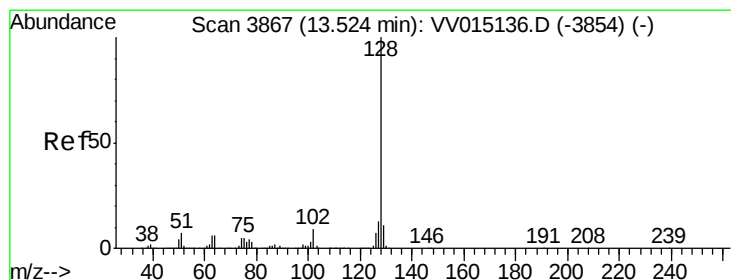
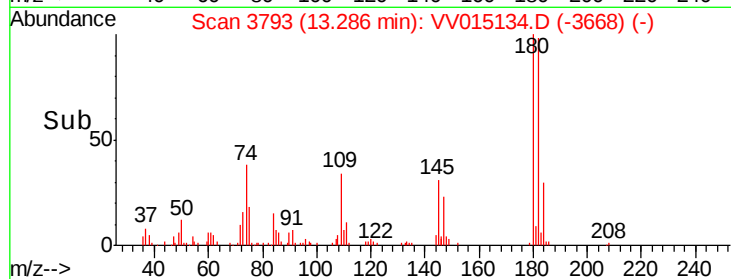
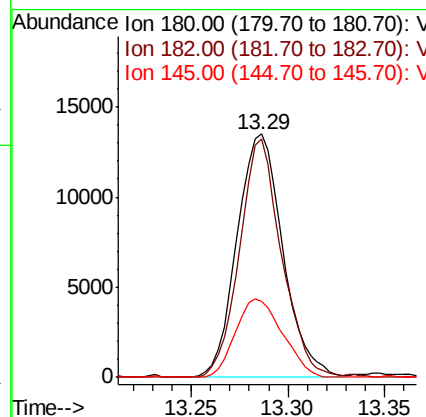
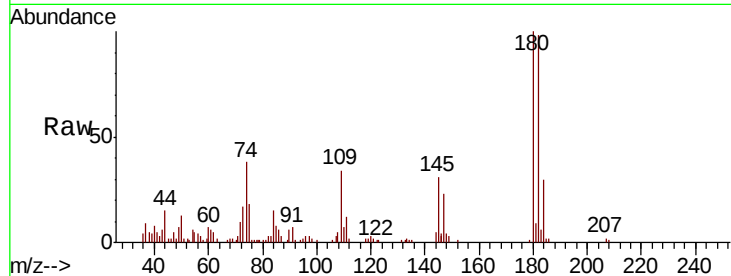




#68
 1,2,4-trichlorobenzene
 Concen: 5.796 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV015134.D
 Acq: 25 Mar 2020 10:57

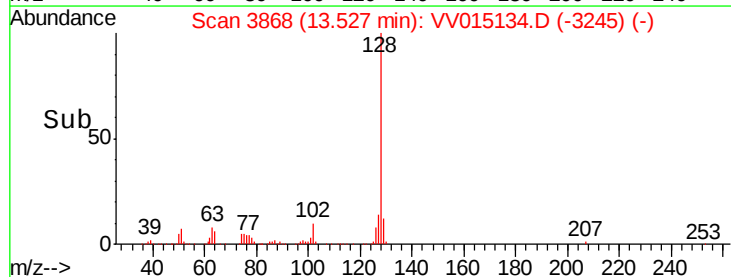
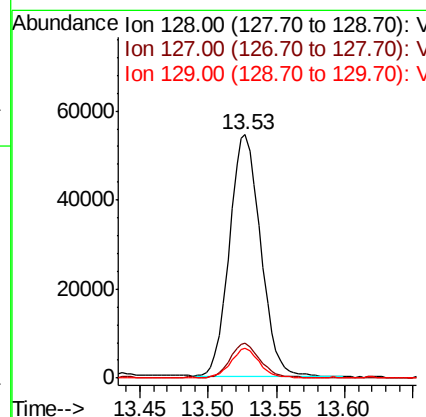
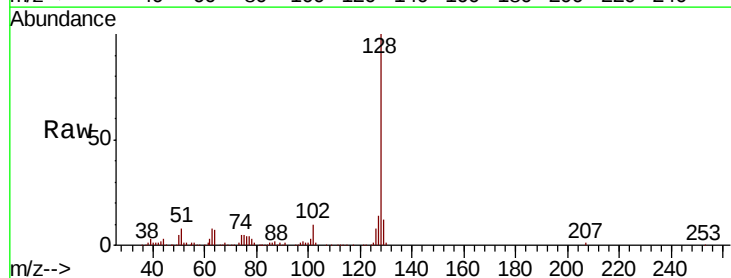
Instrument :
 MSVOA_V
 ClientSampleId :

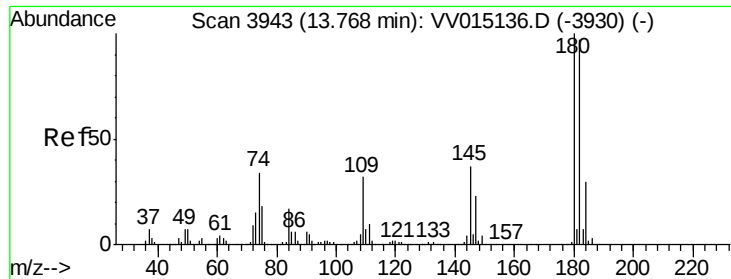
Tot Ion	Ratio	Lower	Upper
180	100		
182	89.8	76.1	114.1
145	33.0	26.6	40.0



#69
 Naphthalene
 Concen: 5.068 ug/L
 RT: 13.53 min Scan# 3868
 Delta R.T. 0.00 min
 Lab File: VV015134.D
 Acq: 25 Mar 2020 10:57

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.1	10.3	15.5
129	11.4	8.6	12.8

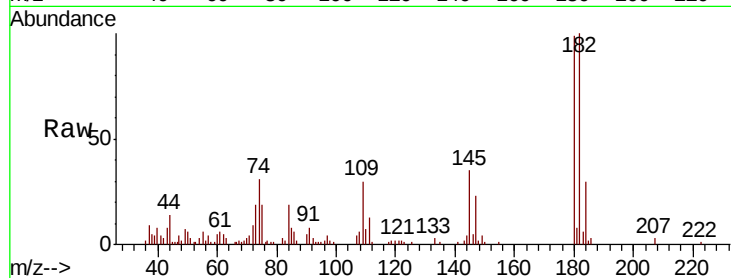




#70
 1,2,3-Trichlorobenzene
 Concen: 5.164 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV015134.D
 Acq: 25 Mar 2020 10:57

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 20738
 Ion Ratio Lower Upper
 180 100
 182 100.0 76.3 114.5
 145 38.7 29.6 44.4



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

