

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV120219\
 Data File : VV013867.D
 Acq On : 02 Dec 2019 12:36
 Operator : SY/MD
 Sample : VSTD05066
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 03 01:27:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM120219WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 03 01:23:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	710218	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	660932	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	423542	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	199316	48.40	ug/L	0.00
7) Chloroethane-d5	1.58	69	214751	60.19	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	445433	58.78	ug/L	0.00
21) 2-Butanone-d5	3.92	46	310741	102.67	ug/L	0.00
24) Chloroform-d	4.40	84	435738	49.00	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.07	65	272479	47.03	ug/L	0.00
32) Benzene-d6	5.09	84	872896	49.90	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.11	67	259450	46.38	ug/L	0.00
41) Toluene-d8	7.35	98	812856	50.62	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	127559	49.19	ug/L	0.00
47) 2-Hexanone-d5	8.13	63	201520	99.49	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.25	84	393357	54.11	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	398092	47.50	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	301568	51.199	ug/L	100
3) Chloromethane	1.25	50	275531	49.815	ug/L	100
5) Vinyl chloride	1.32	62	285321	53.945	ug/L	100
6) Bromomethane	1.53	94	172985	64.614	ug/L	100
8) Chloroethane	1.60	64	192361	61.963	ug/L	100
9) Trichlorofluoromethane	1.77	101	451178	61.622	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	256418	61.894	ug/L	100
12) 1,1-Dichloroethene	2.14	96	245005	62.085	ug/L	100
13) Acetone	2.18	43	394219	129.762	ug/L	100
14) Carbon disulfide	2.32	76	633923	48.927	ug/L	100
15) Methyl Acetate	2.45	43	248393	48.698	ug/L	100
16) Methylene chloride	2.53	84	257552	51.122	ug/L	100
17) trans-1,2-Dichloroethene	2.79	96	239475	51.445	ug/L	100
18) Methyl tert-butyl Ether	2.80	73	727166	51.583	ug/L	100
19) 1,1-Dichloroethane	3.23	63	430229	49.284	ug/L	100
20) cis-1,2-Dichloroethene	3.96	96	269135	52.844	ug/L	100
22) 2-Butanone	4.00	43	401636	107.313	ug/L	100
23) Bromochloromethane	4.29	128	142933	52.984	ug/L	100
25) Chloroform	4.42	83	456540	50.315	ug/L	100
27) 1,2-Dichloroethane	5.17	62	339531	49.468	ug/L	100
29) Cyclohexane	4.72	56	393246	52.278	ug/L	100
30) 1,1,1-Trichloroethane	4.65	97	393568	53.152	ug/L	100
31) Carbon tetrachloride	4.87	117	350932	53.108	ug/L	100
33) Benzene	5.14	78	991580	52.976	ug/L	100
34) Trichloroethene	5.96	95	261139	52.131	ug/L	100
35) Methylcyclohexane	6.17	83	400475	52.302	ug/L	100
37) 1,2-Dichloropropane	6.22	63	239902	49.308	ug/L	100
38) Bromodichloromethane	6.55	83	329983	51.094	ug/L	100
39) cis-1,3-Dichloropropene	7.06	75	374662	50.302	ug/L	100
40) 4-Methyl-2-pentanone	7.26	43	617350	99.756	ug/L	100

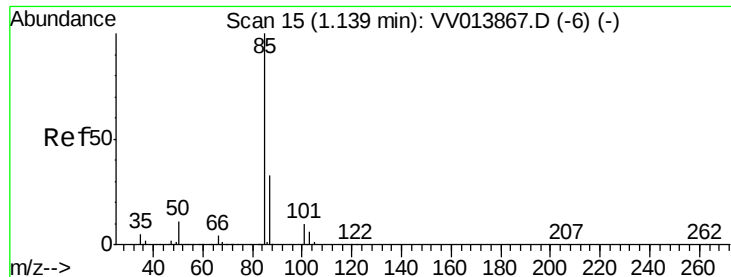
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV120219\
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 Quant Title : VOC Analysis
 QLast Update : Tue Dec 03 01:23:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	1031550	53.060	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	336519	52.082	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	236688	51.371	ug/L	100
46) Tetrachloroethene	8.01	164	233776	54.168	ug/L	100
48) 2-Hexanone	8.17	43	476397	98.083	ug/L	100
49) Dibromochloromethane	8.29	129	282779	52.960	ug/L	100
50) 1,2-Dibromoethane	8.39	107	254866	52.267	ug/L	100
51) Chlorobenzene	8.92	112	682062	52.297	ug/L	100
52) Ethylbenzene	9.05	91	1129566	53.384	ug/L	100
53) m,p-Xylene	9.18	106	446246	55.236	ug/L	100
54) o-xylene	9.58	106	457899	58.360	ug/L	100
55) Styrene	9.60	104	810309	59.455	ug/L	100
56) Isopropylbenzene	9.97	105	1282102	61.291	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	396281	55.954	ug/L	100
59) 1,2,3-Trichloropropane	10.31	75	330736	56.033	ug/L	100
61) Bromoform	9.77	173	246721	50.110	ug/L	100
62) 1,3-Dichlorobenzene	11.22	146	664421	51.769	ug/L	100
63) 1,4-Dichlorobenzene	11.31	146	681054	51.047	ug/L	100
65) 1,2-Dichlorobenzene	11.68	146	660677	51.393	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.47	75	90339	50.762	ug/L	100
67) 1,3,5-Trichlorobenzene	12.69	180	519713	51.614	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	453587	51.179	ug/L	100
69) Naphthalene	13.55	128	1238889	52.323	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	493917	52.218	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 51.199 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV013867.D

Acq: 02 Dec 2019 12:36

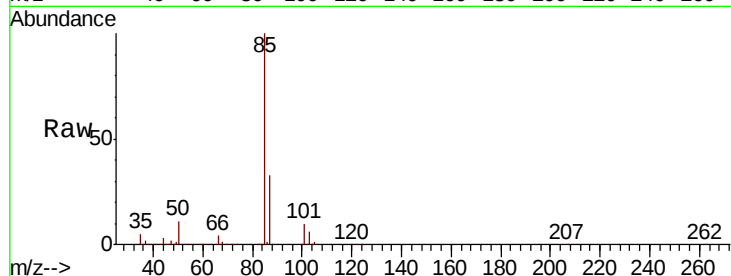
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 301568

Ion Ratio Lower Upper

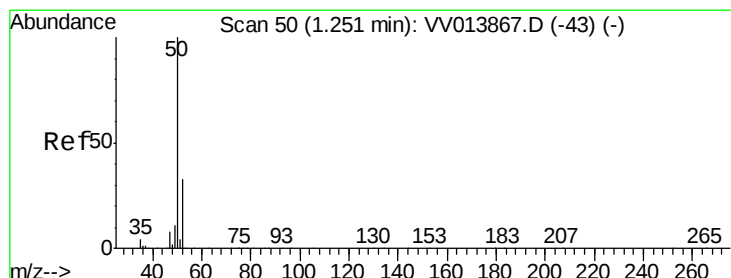
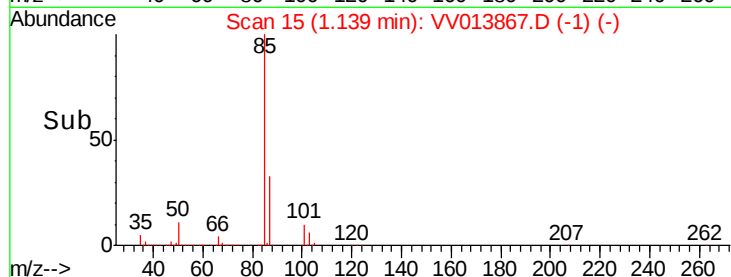
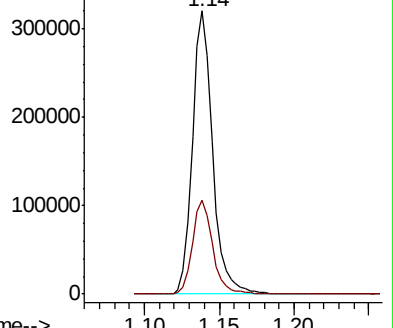
85 100

87 33.1 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VV013867.D (-6) (-)

Ion 87.00 (86.70 to 87.70): VV013867.D (-6) (-)



#3

Chloromethane

Concen: 49.815 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV013867.D

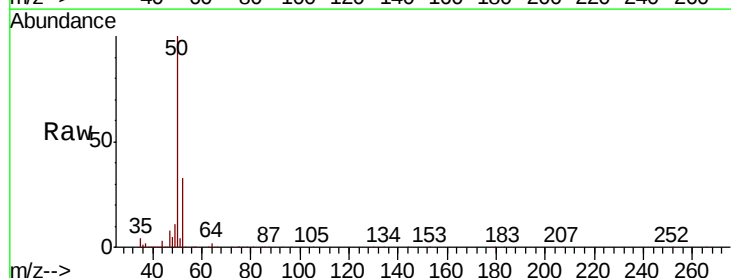
Acq: 02 Dec 2019 12:36

Tgt Ion: 50 Resp: 275531

Ion Ratio Lower Upper

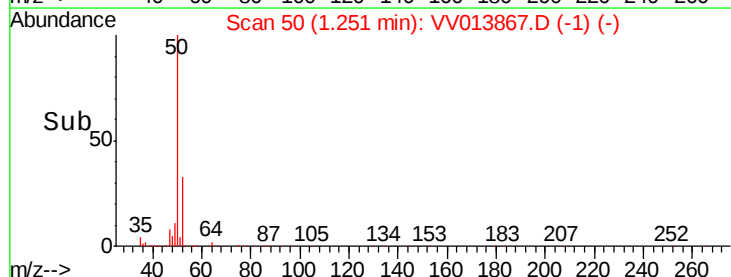
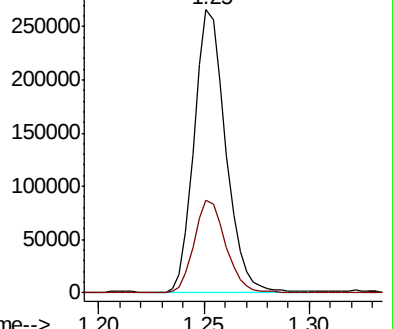
50 100

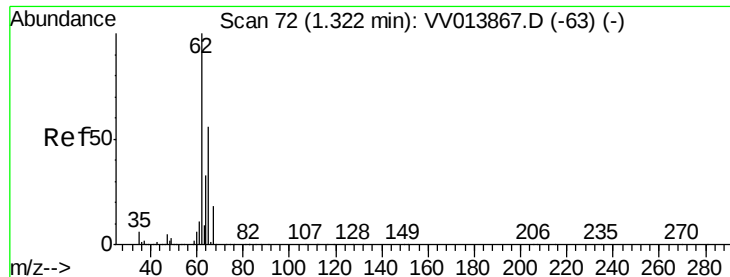
52 32.8 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VV013867.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV013867.D (-43) (-)





#5

Vinyl chloride

Concen: 53.945 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV013867.D

Acq: 02 Dec 2019 12:36

Instrument :

MSVOA_V

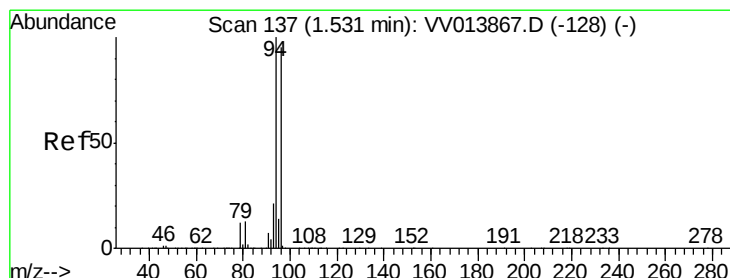
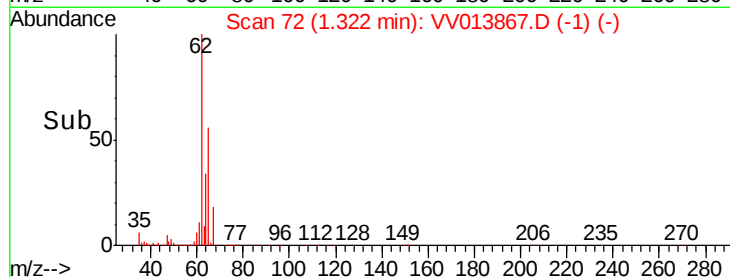
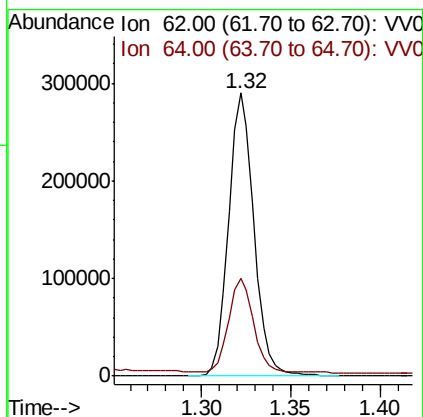
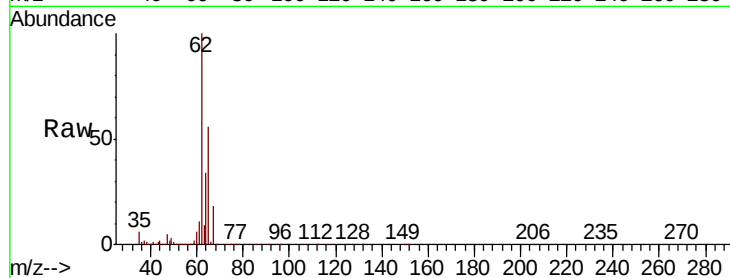
ClientSampleId :

Tot Ion: 62 Resp: 285321

Ion Ratio Lower Upper

62 100

64 34.5 24.1 44.8



#6

Bromomethane

Concen: 64.614 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV013867.D

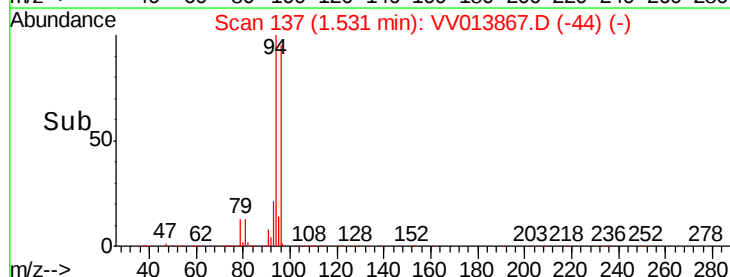
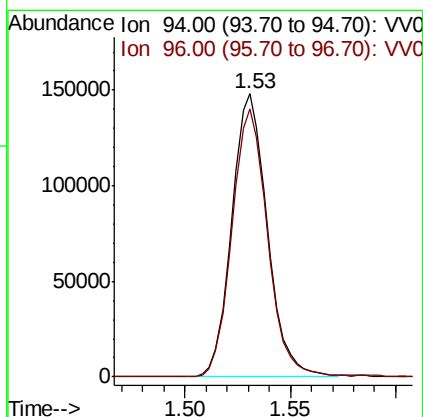
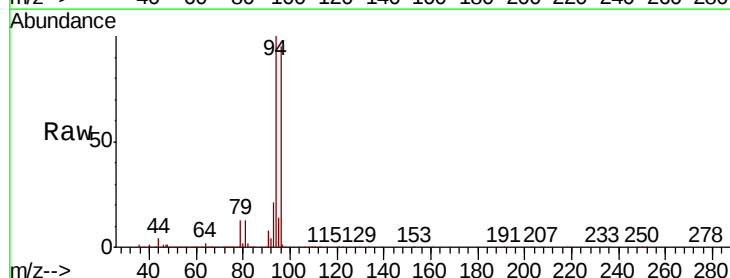
Acq: 02 Dec 2019 12:36

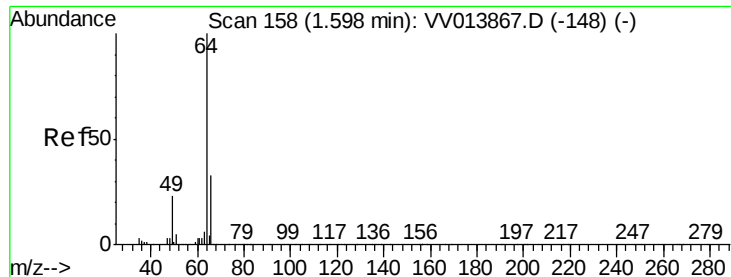
Tgt Ion: 94 Resp: 172985

Ion Ratio Lower Upper

94 100

96 94.6 66.2 123.0

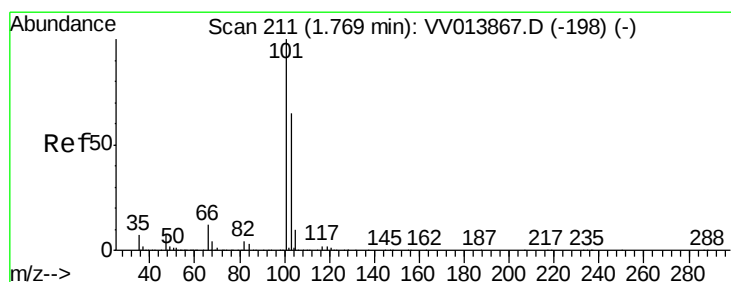
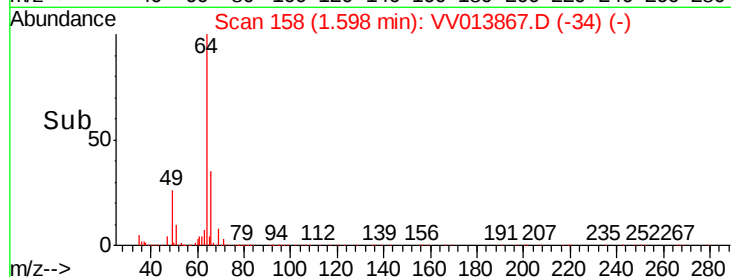
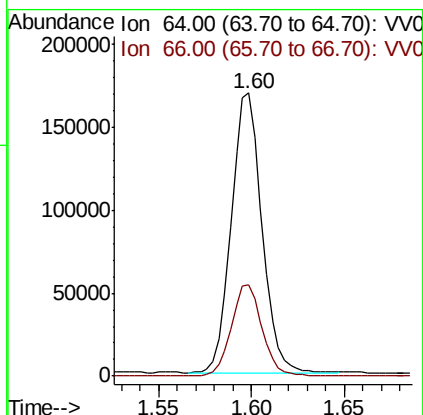
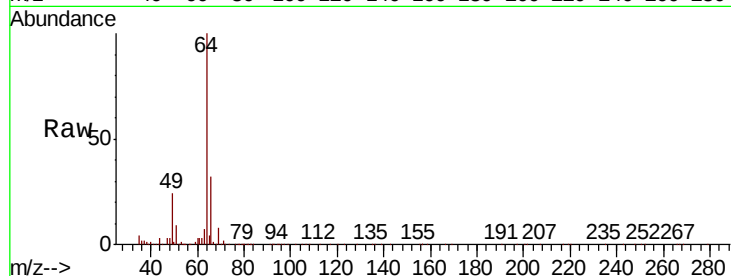




#8
Chloroethane
Concen: 61.963 ug/L
RT: 1.60 min Scan# 158
Delta R.T. 0.00 min
Lab File: VV013867.D
Acq: 02 Dec 2019 12:36

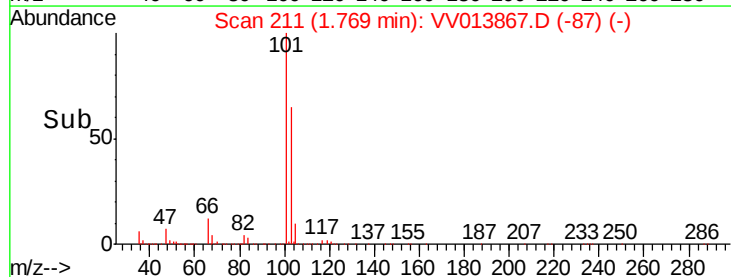
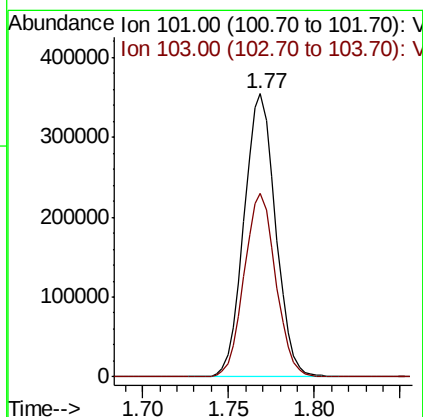
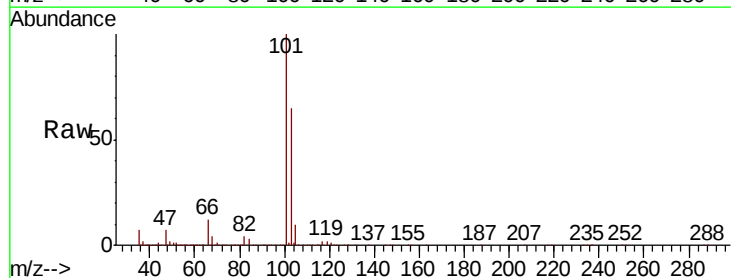
Instrument :
MSVOA_V
ClientSampleId :

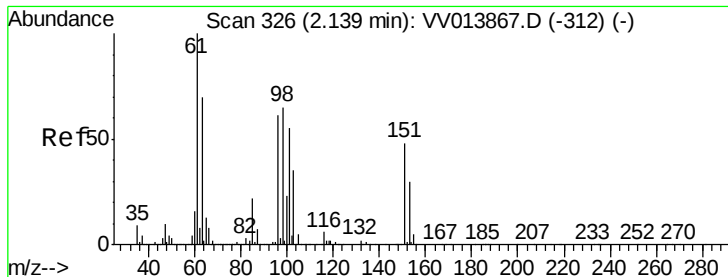
Tot Ion: 64 Resp: 192361
Ion Ratio Lower Upper
64 100
66 32.4 22.7 42.1



#9
Trichlorofluoromethane
Concen: 61.622 ug/L
RT: 1.77 min Scan# 211
Delta R.T. 0.00 min
Lab File: VV013867.D
Acq: 02 Dec 2019 12:36

Tgt Ion: 101 Resp: 451178
Ion Ratio Lower Upper
101 100
103 64.9 51.9 77.9





#10

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

Concen: 61.894 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV013867.D

Acq: 02 Dec 2019 12:36

Instrument :

MSVOA_V

ClientSampleId :

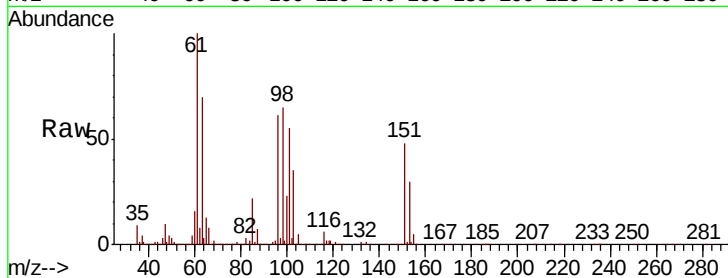
Tot Ion:101 Resp: 256418

Ion Ratio Lower Upper

101 100

85 40.6 32.5 48.7

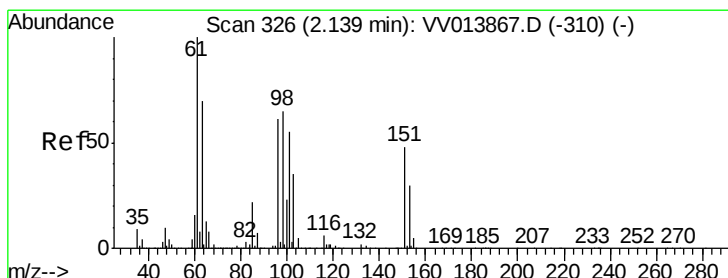
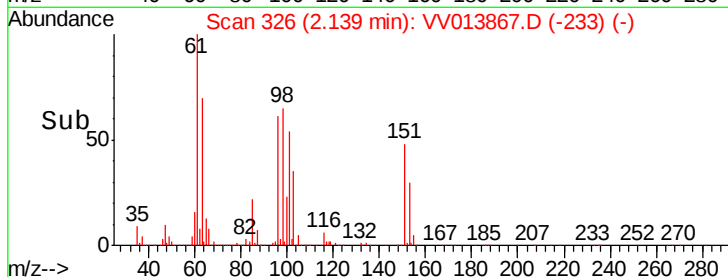
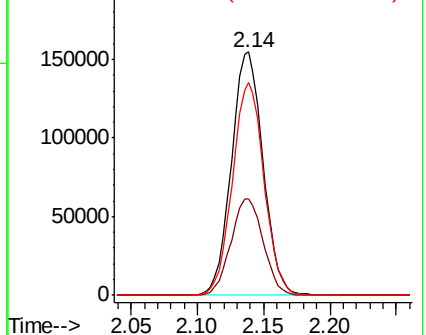
151 87.2 69.8 104.6



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: 62.085 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV013867.D

Acq: 02 Dec 2019 12:36

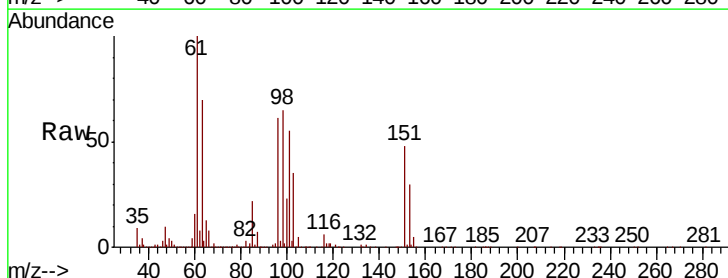
Tgt Ion: 96 Resp: 245005

Ion Ratio Lower Upper

96 100

61 162.9 114.0 211.8

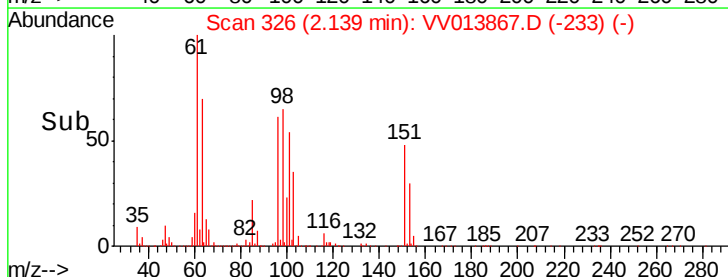
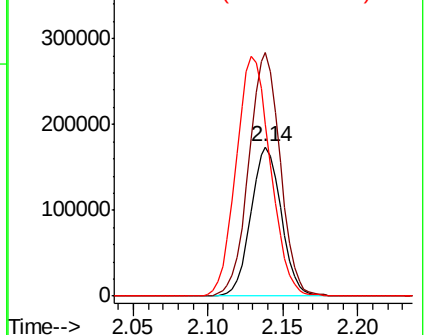
63 114.7 80.3 149.1

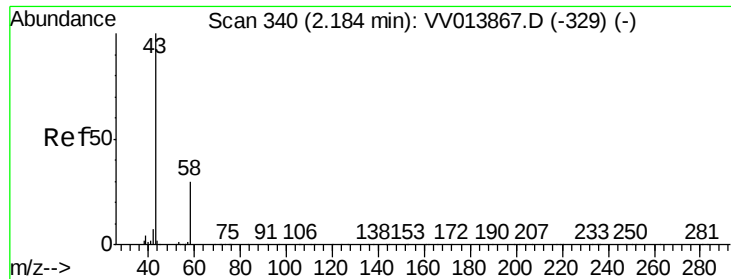


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 129.762 ug/L

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VV013867.D

Acq: 02 Dec 2019 12:36

Instrument :

MSVOA_V

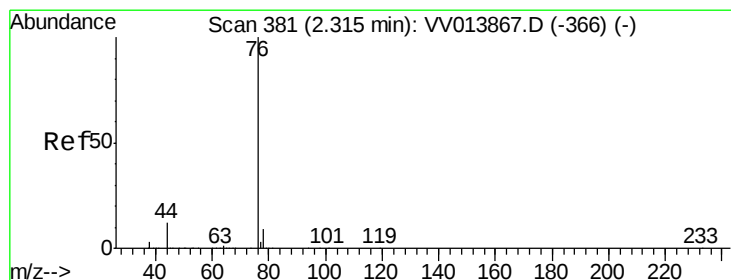
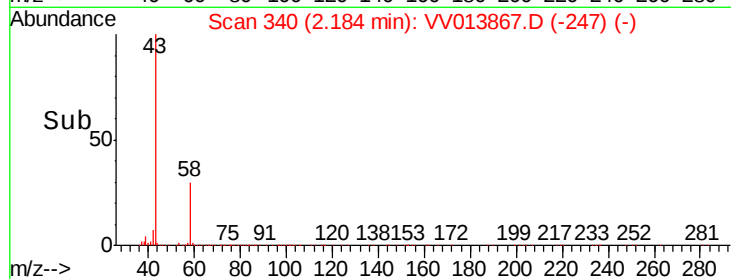
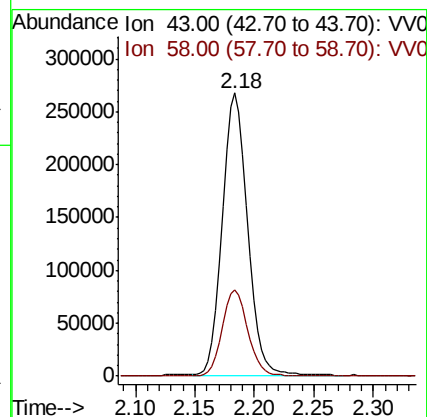
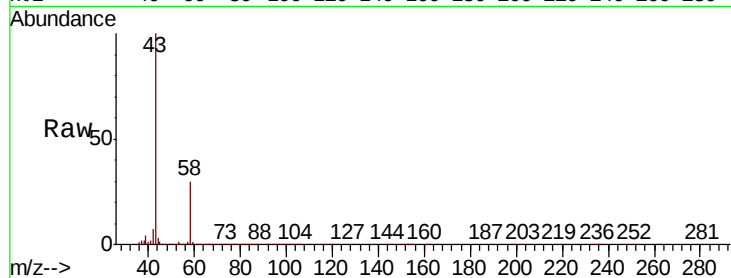
ClientSampleId :

Tot Ion: 43 Resp: 394219

Ion Ratio Lower Upper

43 100

58 30.4 0.0 60.8



#14

Carbon disulfide

Concen: 48.927 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV013867.D

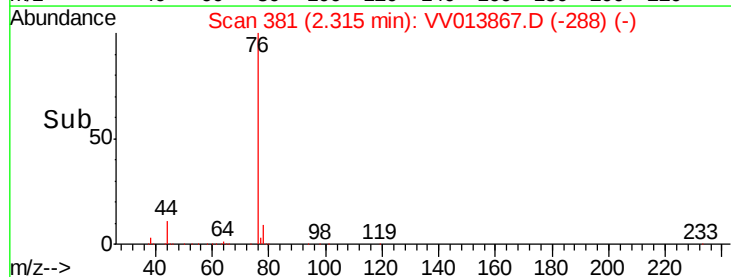
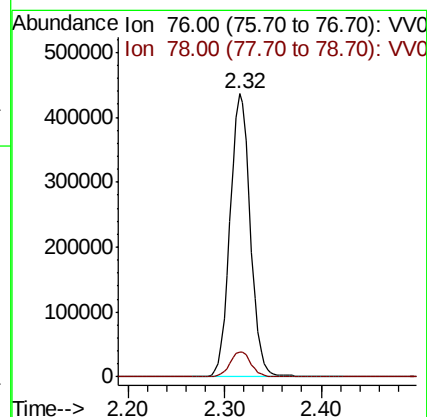
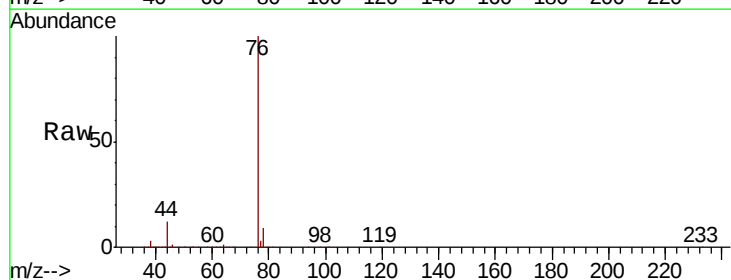
Acq: 02 Dec 2019 12:36

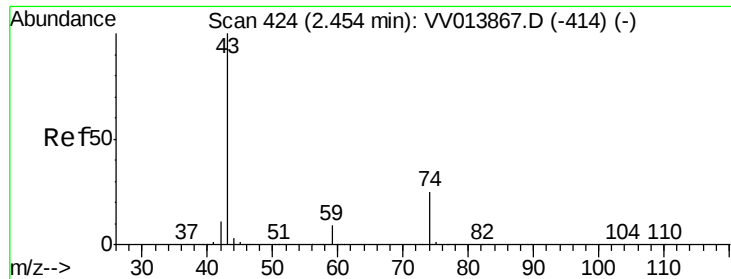
Tgt Ion: 76 Resp: 633923

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8

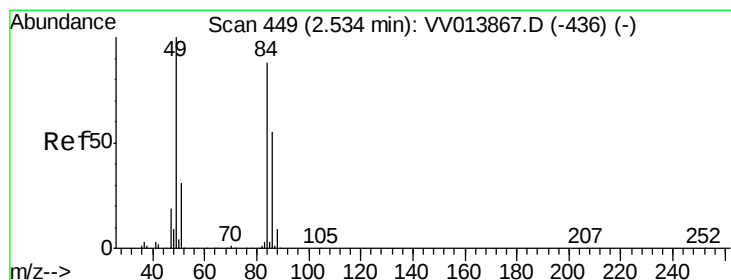
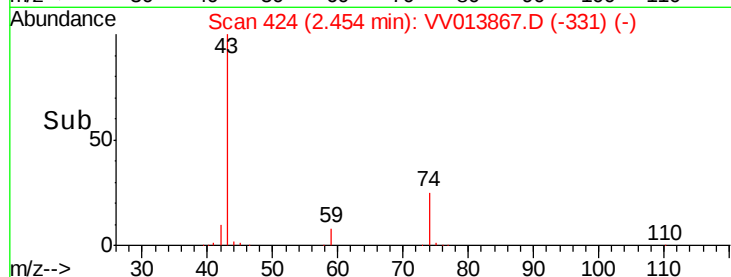
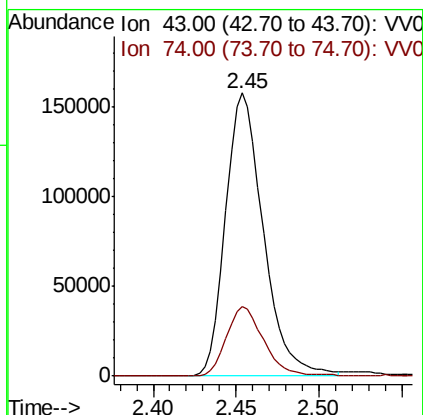
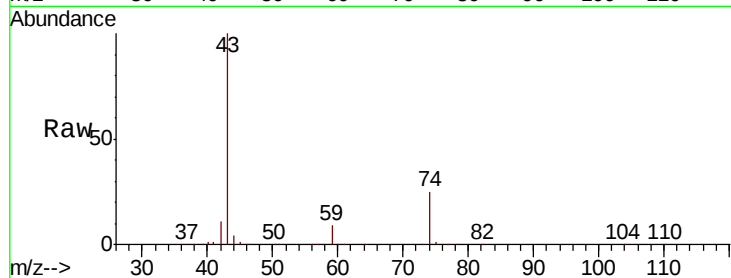




#15
Methyl Acetate
Concen: 48.698 ug/L
RT: 2.45 min Scan# 424
Delta R.T. 0.00 min
Lab File: VV013867.D
Acq: 02 Dec 2019 12:36

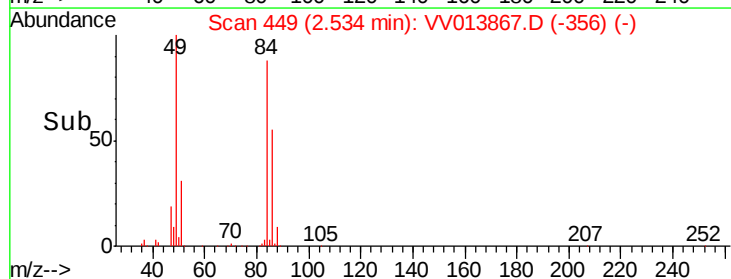
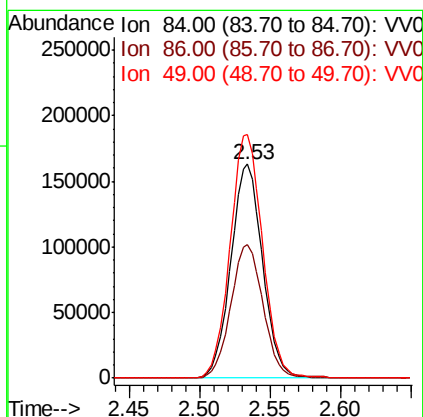
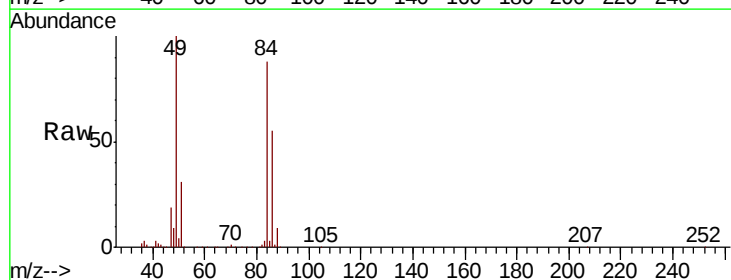
Instrument :
MSVOA_V
ClientSampleId :

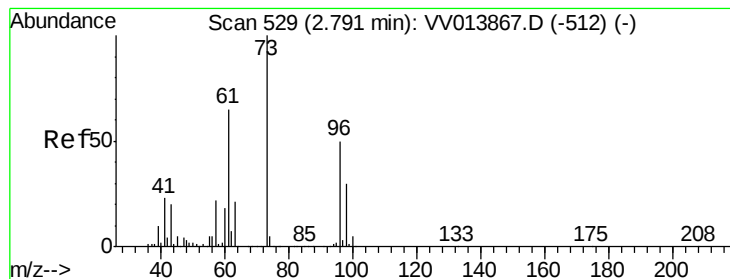
Tot Ion: 43 Resp: 248393
Ion Ratio Lower Upper
43 100
74 24.1 19.3 28.9



#16
Methylene chloride
Concen: 51.122 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV013867.D
Acq: 02 Dec 2019 12:36

Tgt Ion: 84 Resp: 257552
Ion Ratio Lower Upper
84 100
86 62.7 43.9 81.5
49 113.8 79.7 147.9





#17

trans-1,2-Dichloroethene

Concen: 51.445 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV013867.D

Acq: 02 Dec 2019 12:36

Instrument :
MSVOA_V
ClientSampled :

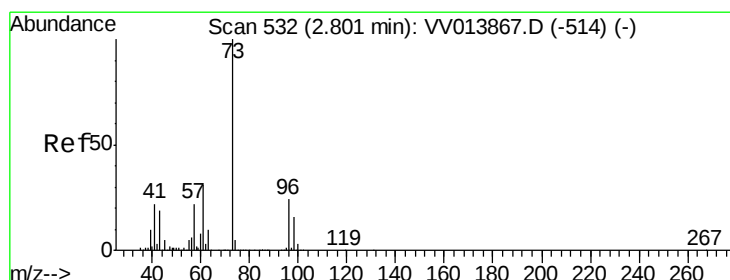
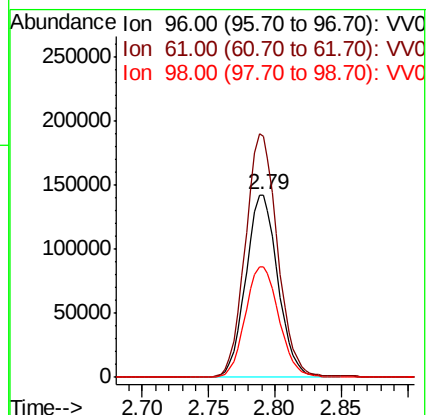
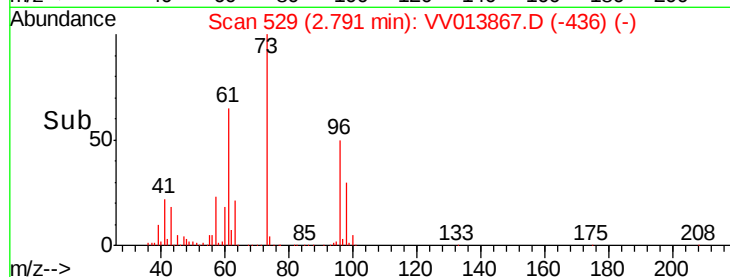
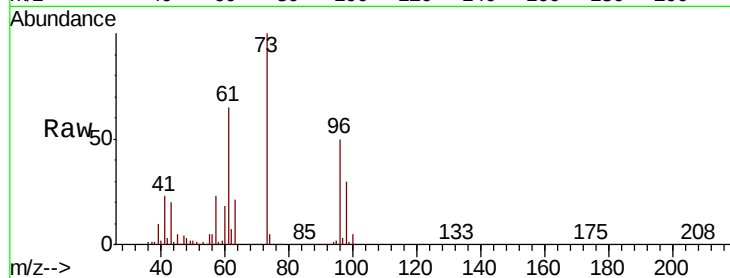
Tot Ion: 96 Resp: 239475

Ion Ratio Lower Upper

96 100

61 131.7 92.2 171.2

98 60.9 42.6 79.2



#18

Methyl tert-butyl Ether

Concen: 51.583 ug/L

RT: 2.80 min Scan# 532

Delta R.T. 0.00 min

Lab File: VV013867.D

Acq: 02 Dec 2019 12:36

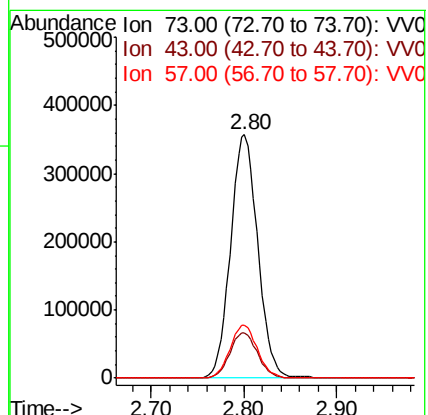
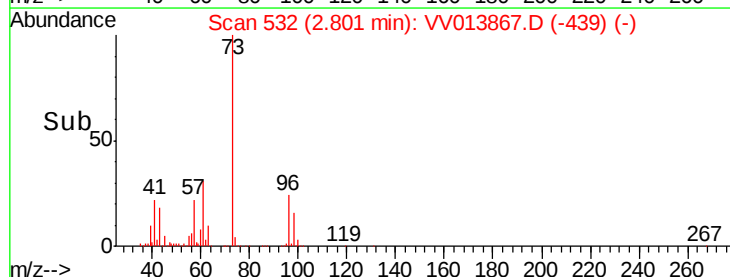
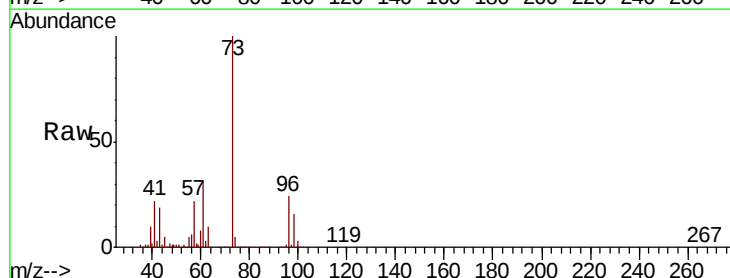
Tgt Ion: 73 Resp: 727166

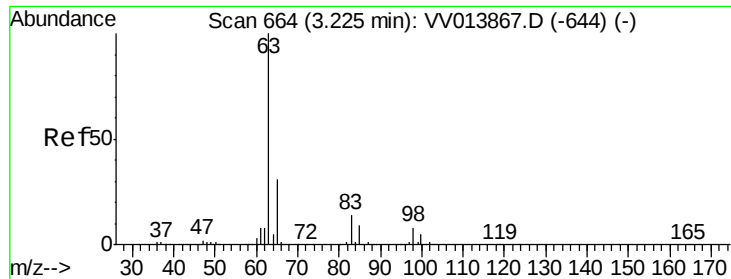
Ion Ratio Lower Upper

73 100

43 18.8 15.0 22.6

57 21.8 17.4 26.2

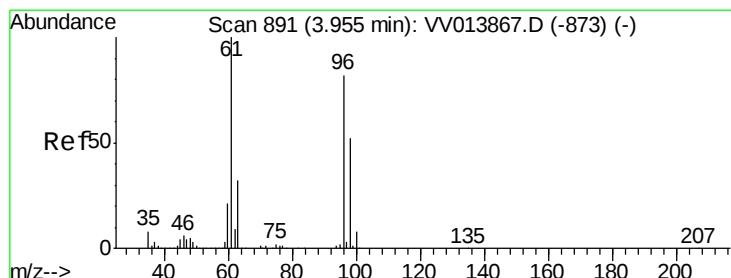
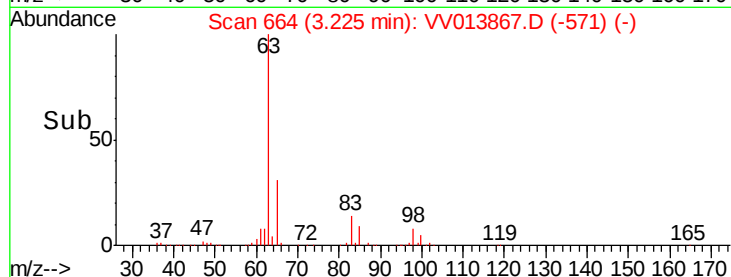
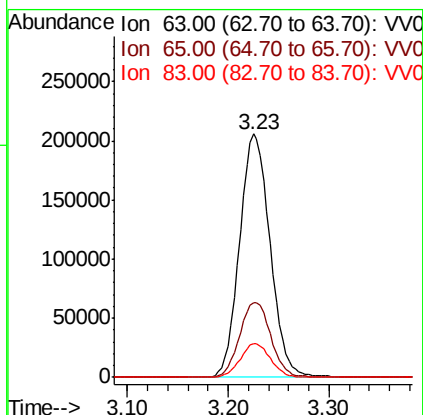
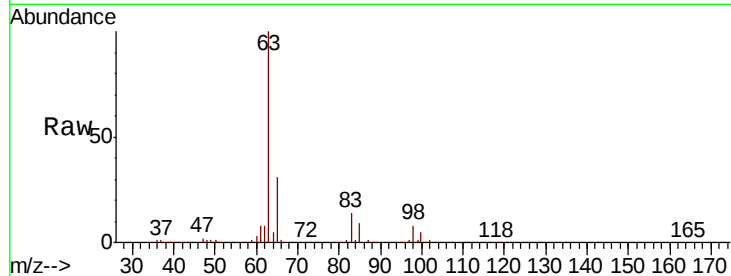




#19
 1,1-Dichloroethane
 Concen: 49.284 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. 0.00 min
 Lab File: VV013867.D
 Acq: 02 Dec 2019 12:36

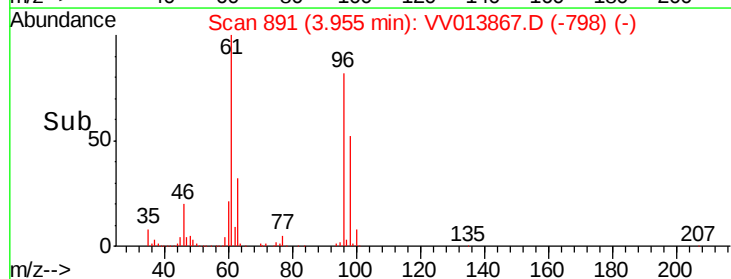
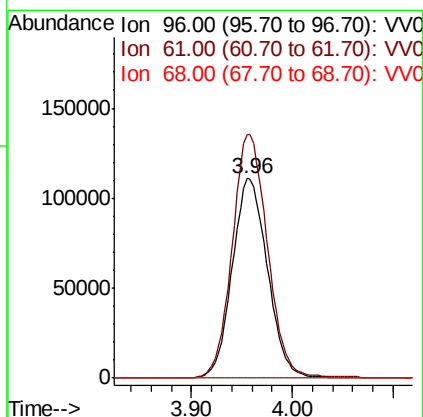
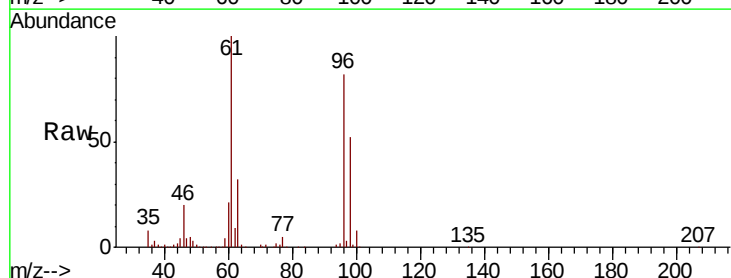
Instrument :
 MSVOA_V
 ClientSampled :

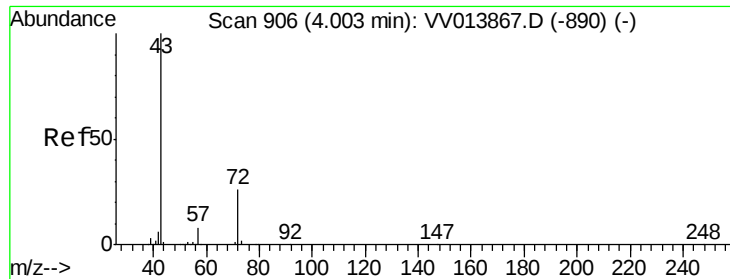
Tot Ion: 63 Resp: 430229
 Ion Ratio Lower Upper
 63 100
 65 30.7 21.5 39.9
 83 13.9 9.7 18.1



#20
 cis-1,2-Dichloroethene
 Concen: 52.844 ug/L
 RT: 3.96 min Scan# 891
 Delta R.T. 0.00 min
 Lab File: VV013867.D
 Acq: 02 Dec 2019 12:36

Tgt Ion: 96 Resp: 269135
 Ion Ratio Lower Upper
 96 100
 61 121.9 85.3 158.5
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 107.313 ug/L

RT: 4.00 min Scan# 906

Delta R.T. 0.00 min

Lab File: VV013867.D

Acq: 02 Dec 2019 12:36

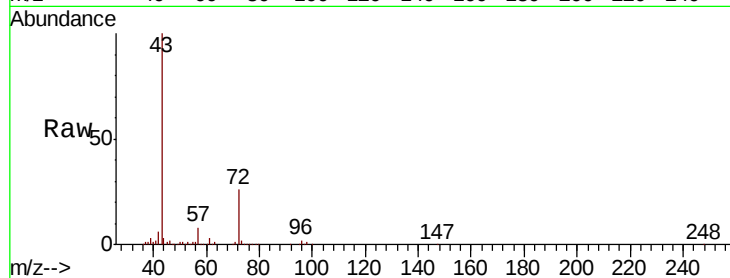
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 401636

Ion Ratio Lower Upper

43 100

72 28.1 14.1 42.2



Abundance Ion 43.00 (42.70 to 43.70): VV013867.D (-890) (-)

Ion 72.00 (71.70 to 72.70): VV013867.D (-890) (-)

4.00

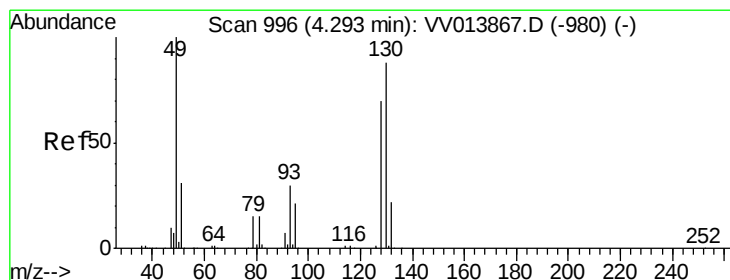
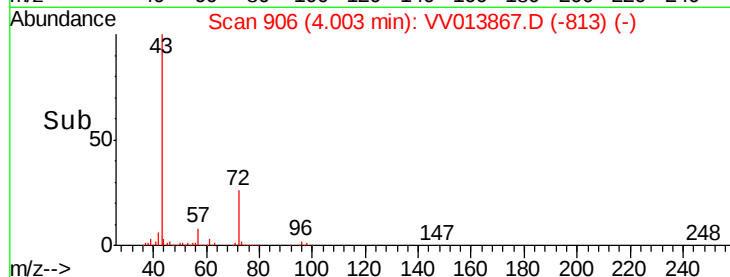
150000

100000

50000

0

Time-->



#23

Bromochloromethane

Concen: 52.984 ug/L

RT: 4.29 min Scan# 996

Delta R.T. 0.00 min

Lab File: VV013867.D

Acq: 02 Dec 2019 12:36

Tgt Ion:128 Resp: 142933

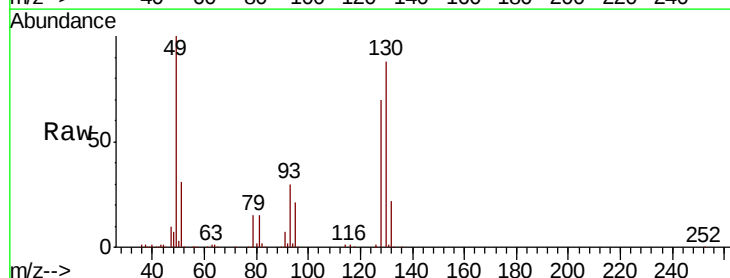
Ion Ratio Lower Upper

128 100

49 143.4 100.4 186.4

130 126.1 88.3 163.9

51 44.8 35.8 53.8



Abundance Ion 128.00 (127.70 to 128.70): VV013867.D (-980) (-)

Ion 49.00 (48.70 to 49.70): VV013867.D (-980) (-)

Ion 130.00 (129.70 to 130.70): VV013867.D (-980) (-)

Ion 51.00 (50.70 to 51.70): VV013867.D (-980) (-)

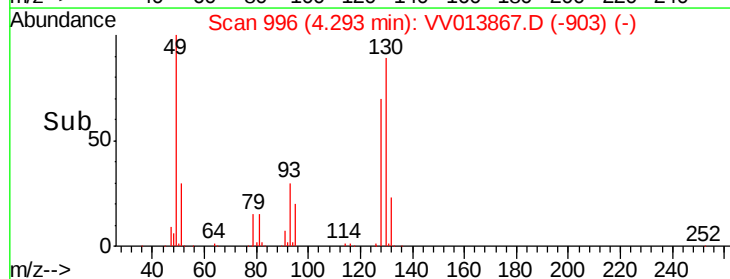
4.29

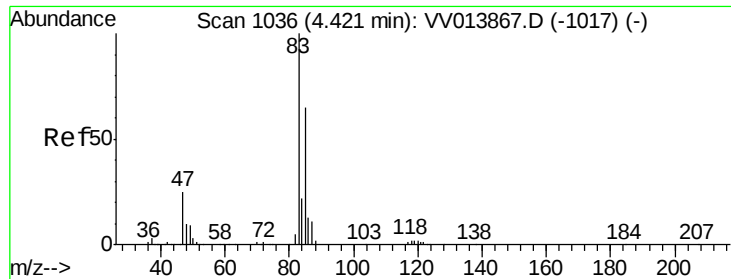
100000

50000

0

Time-->





#25

Chloroform

Concen: 50.315 ug/L

RT: 4.42 min Scan# 1036

Delta R.T. 0.00 min

Lab File: VV013867.D

Acq: 02 Dec 2019 12:36

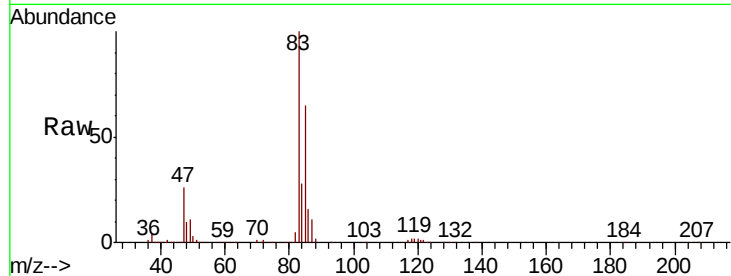
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 456540

Ion Ratio Lower Upper

83 100

85 65.3 45.7 84.9



Abundance Ion 83.00 (82.70 to 83.70): VV013867.D (-1017) (-)

Ion 85.00 (84.70 to 85.70): VV013867.D (-1017) (-)

4.42

200000

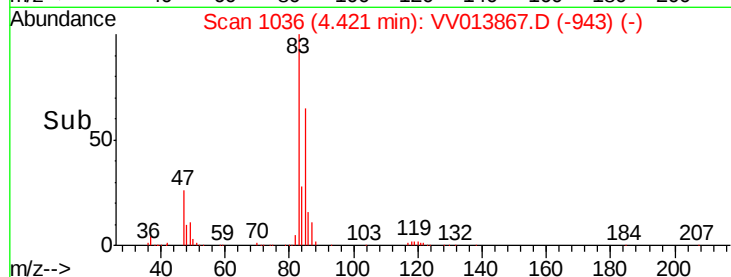
150000

100000

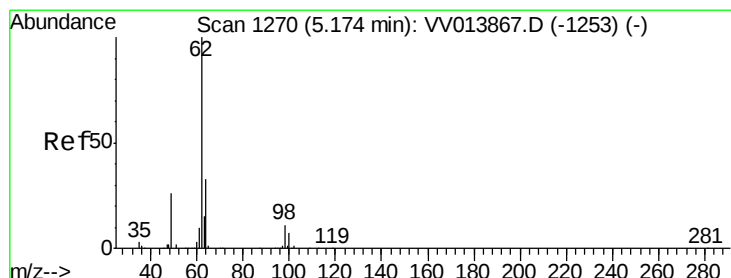
50000

0

Time-->



Time-->



#27

1,2-Dichloroethane

Concen: 49.468 ug/L

RT: 5.17 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VV013867.D

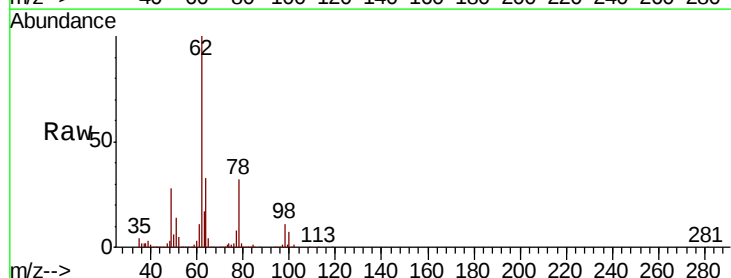
Acq: 02 Dec 2019 12:36

Tgt Ion: 62 Resp: 339531

Ion Ratio Lower Upper

62 100

98 10.6 8.5 12.7



Abundance Ion 62.00 (61.70 to 62.70): VV013867.D (-1253) (-)

Ion 98.00 (97.70 to 98.70): VV013867.D (-1253) (-)

5.17

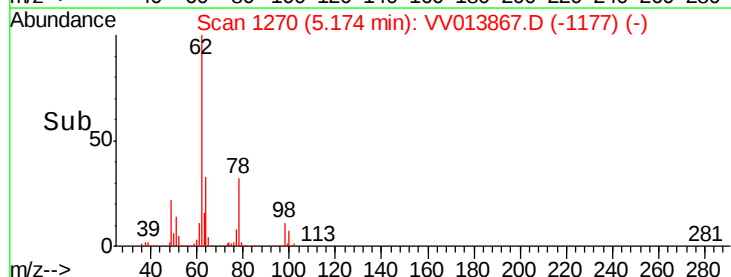
150000

100000

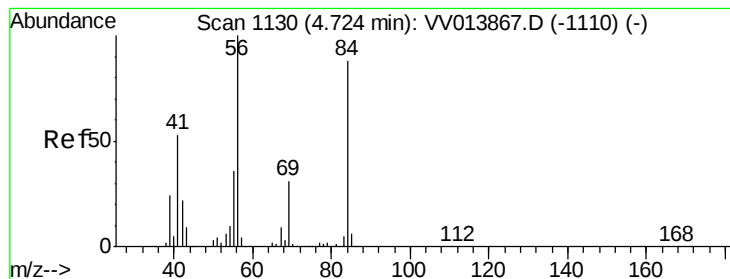
50000

0

Time-->



Time-->



#29

Cyclohexane

Concen: 52.278 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VV013867.D

Acq: 02 Dec 2019 12:36

Instrument :
MSVOA_V
ClientSampleId :

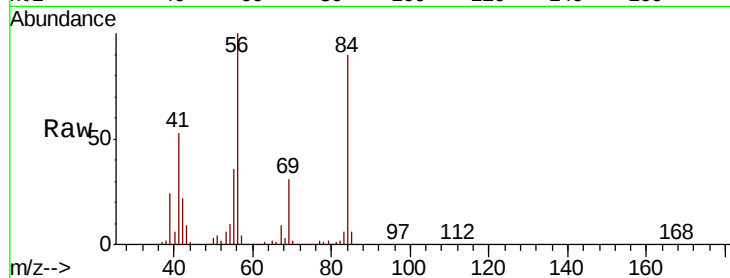
Tot Ion: 56 Resp: 393246

Ion Ratio Lower Upper

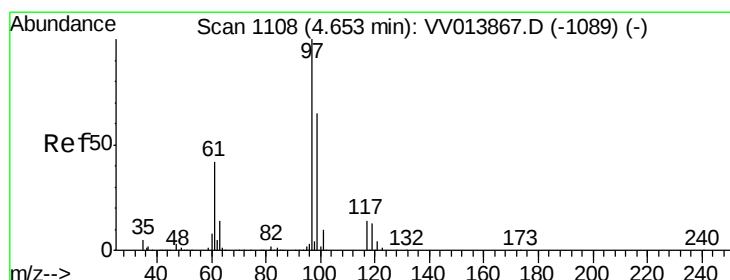
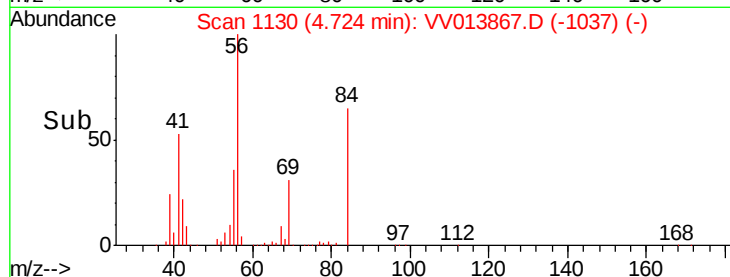
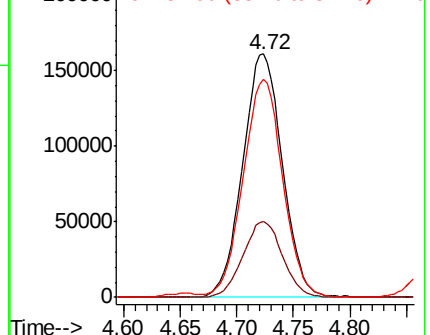
56 100

69 31.1 24.9 37.3

84 88.7 71.0 106.4



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: 53.152 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VV013867.D

Acq: 02 Dec 2019 12:36

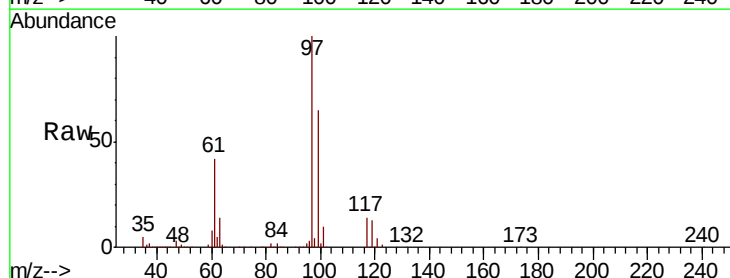
Tgt Ion: 97 Resp: 393568

Ion Ratio Lower Upper

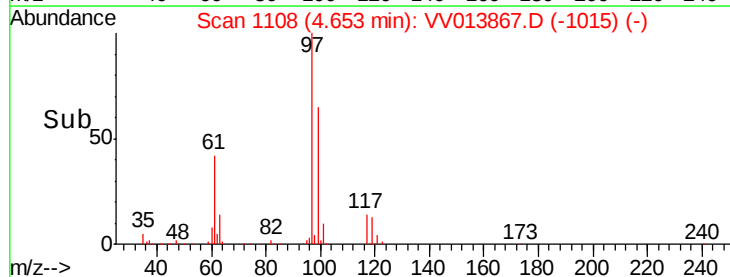
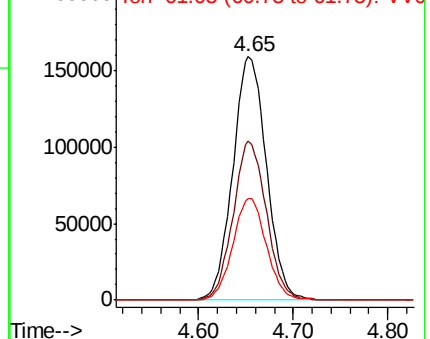
97 100

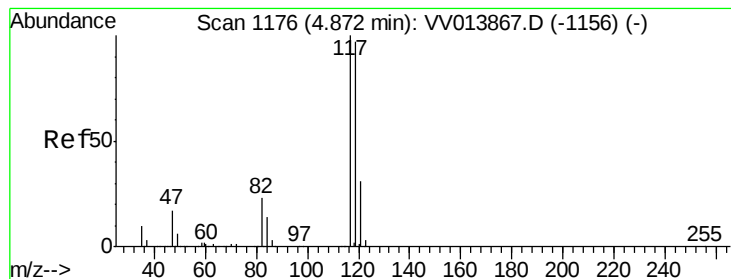
99 64.3 51.4 77.2

61 41.5 33.2 49.8



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: 53.108 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VV013867.D

Acq: 02 Dec 2019 12:36

Instrument :

MSVOA_V

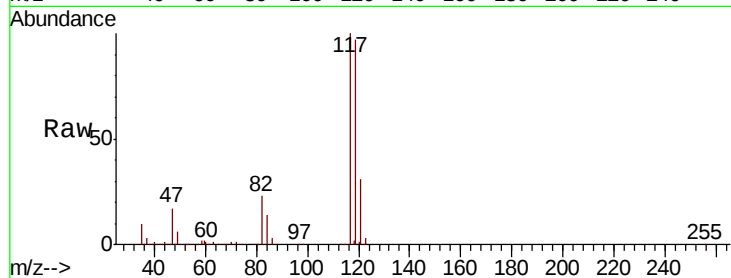
ClientSampleId :

Tot Ion:117 Resp: 350932

Ion Ratio Lower Upper

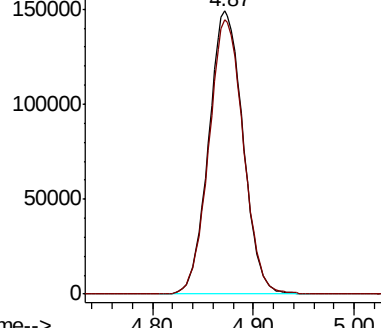
117 100

119 97.4 77.9 116.9

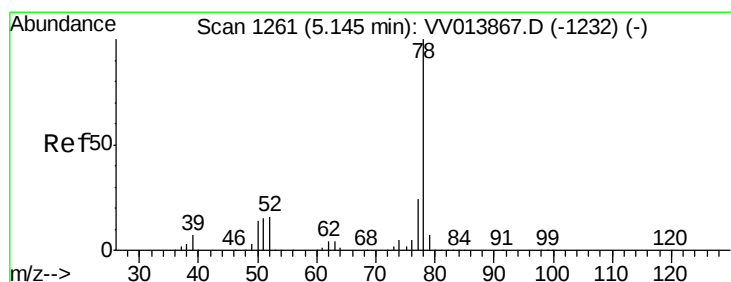
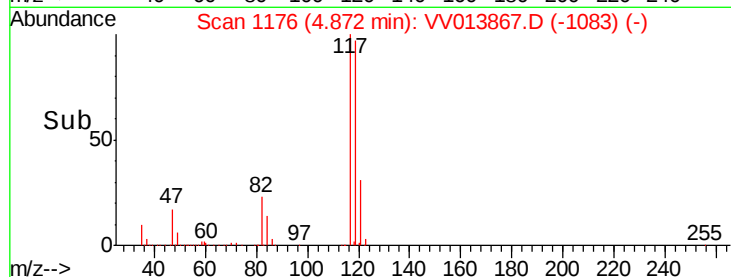


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



Time-->



#33

Benzene

Concen: 52.976 ug/L

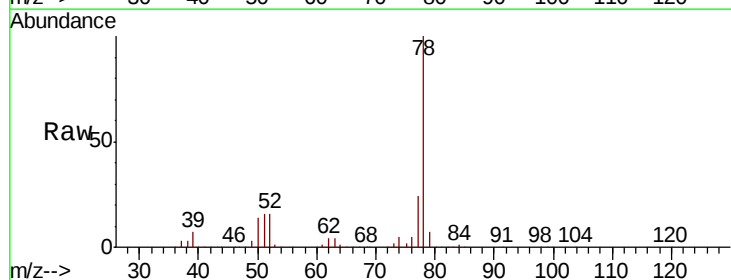
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

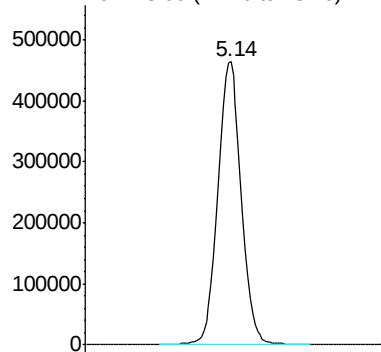
Lab File: VV013867.D

Acq: 02 Dec 2019 12:36

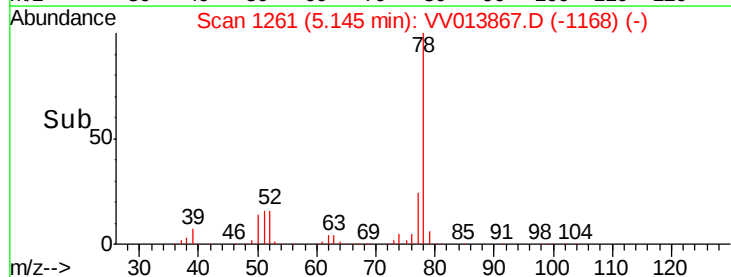
Tgt Ion: 78 Resp: 991580

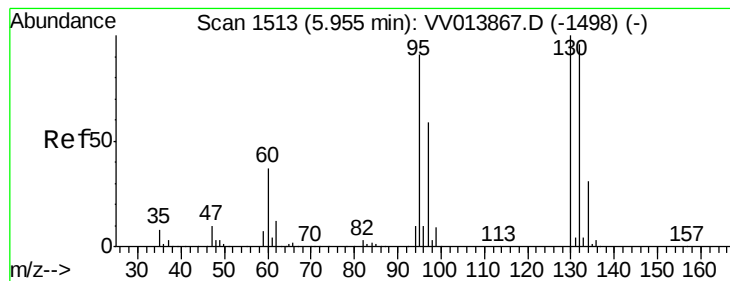


Abundance Ion 78.00 (77.70 to 78.70): VV0



Time-->





#34

Trichloroethene

Concen: 52.131 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV013867.D

Acq: 02 Dec 2019 12:36

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 261139

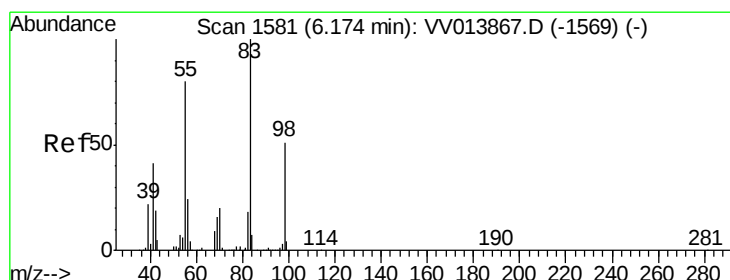
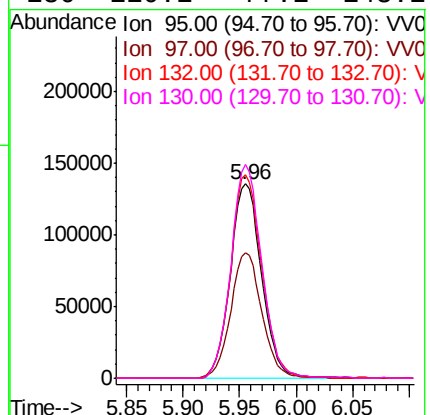
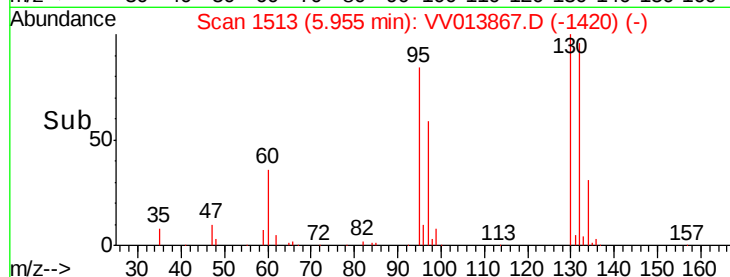
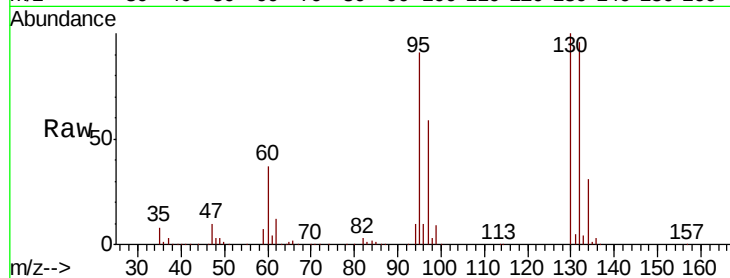
Ion Ratio Lower Upper

95 100

97 64.9 45.4 84.4

132 105.3 73.7 136.9

130 110.1 77.1 143.1



#35

Methylcyclohexane

Concen: 52.302 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV013867.D

Acq: 02 Dec 2019 12:36

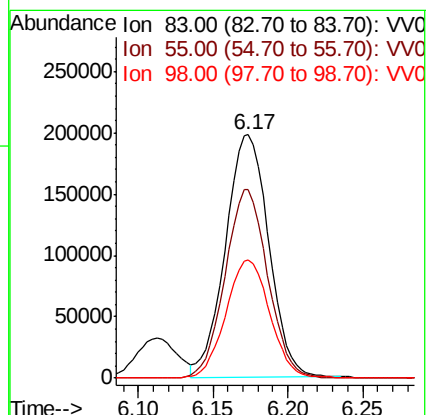
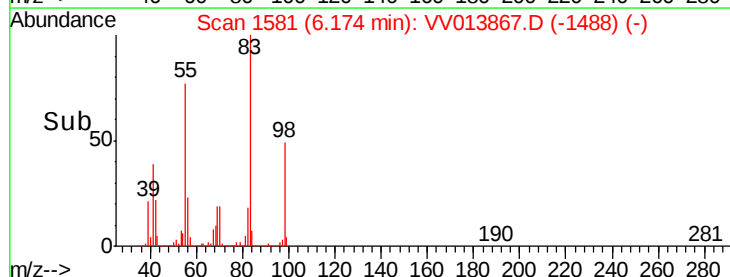
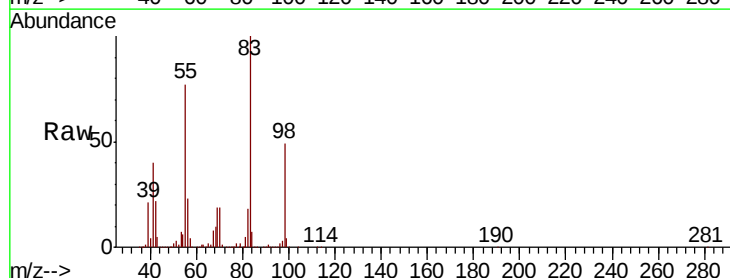
Tgt Ion: 83 Resp: 400475

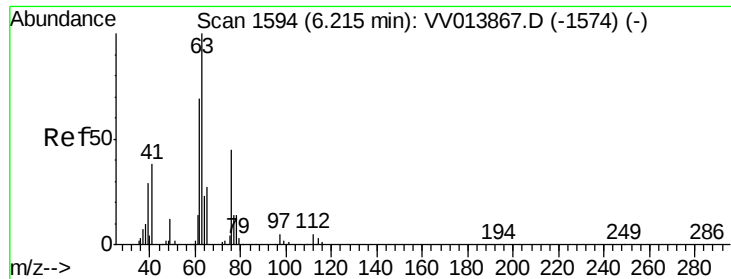
Ion Ratio Lower Upper

83 100

55 76.2 61.0 91.4

98 49.5 39.6 59.4

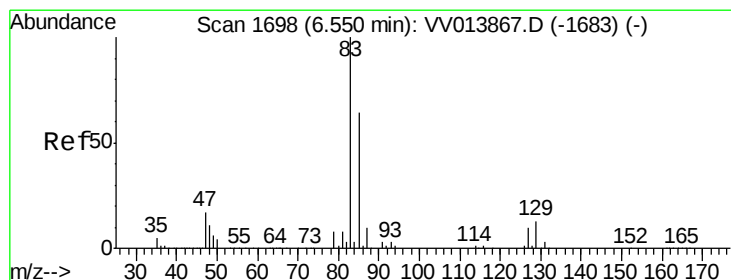
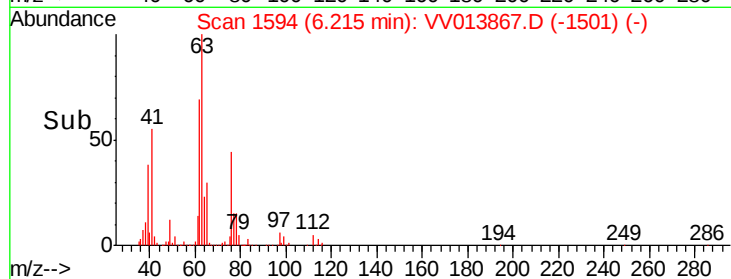
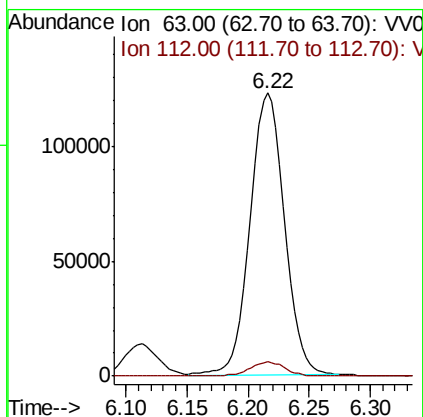
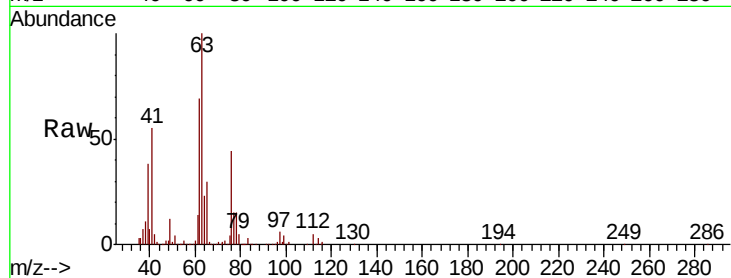




#37
 1,2-Dichloropropane
 Concen: 49.308 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. 0.00 min
 Lab File: VV013867.D
 Acq: 02 Dec 2019 12:36

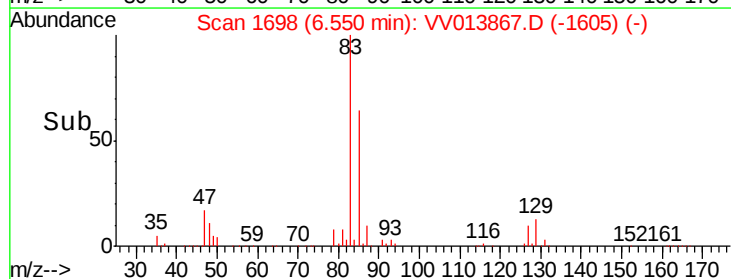
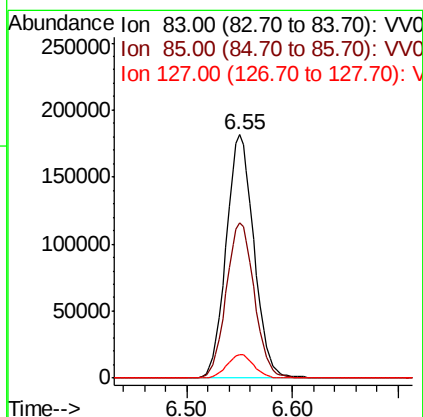
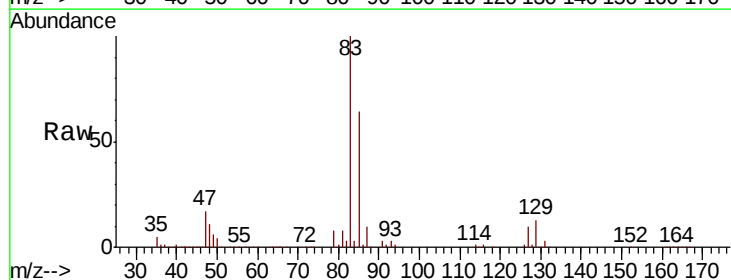
Instrument :
 MSVOA_V
 ClientSampled :

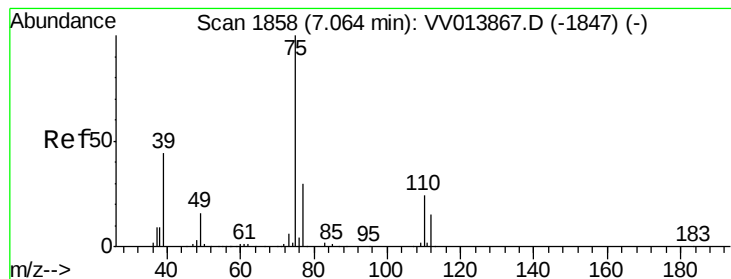
Tot Ion: 63 Resp: 239902
 Ion Ratio Lower Upper
 63 100
 112 5.2 4.2 6.2



#38
 Bromodichloromethane
 Concen: 51.094 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VV013867.D
 Acq: 02 Dec 2019 12:36

Tgt Ion: 83 Resp: 329983
 Ion Ratio Lower Upper
 83 100
 85 64.0 44.8 83.2
 127 9.6 7.7 11.5



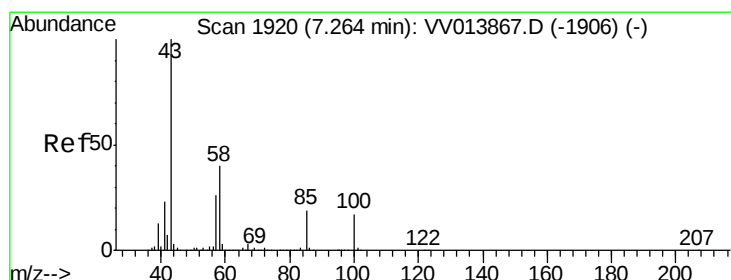
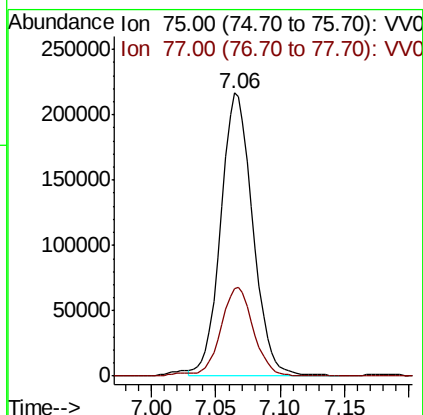
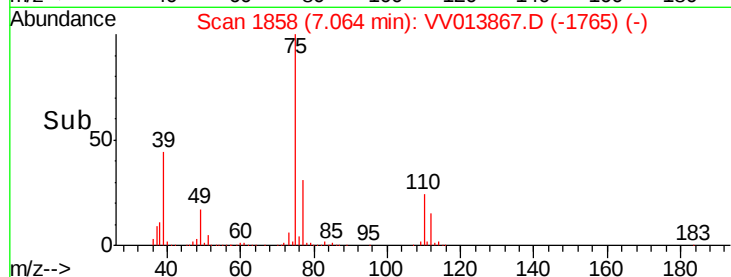
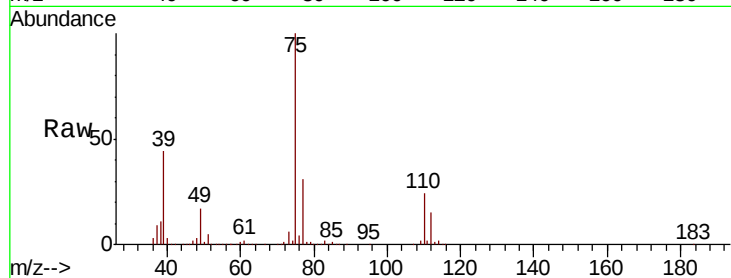


#39

cis-1,3-Dichloropropene
Concen: 50.302 ug/L
RT: 7.06 min Scan# 1858
Delta R.T. 0.00 min
Lab File: VV013867.D
Acq: 02 Dec 2019 12:36

Instrument :
MSVOA_V
ClientSampleId :

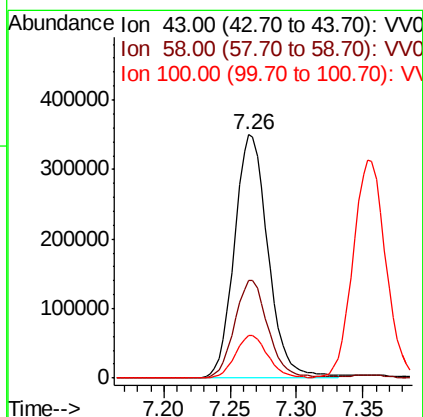
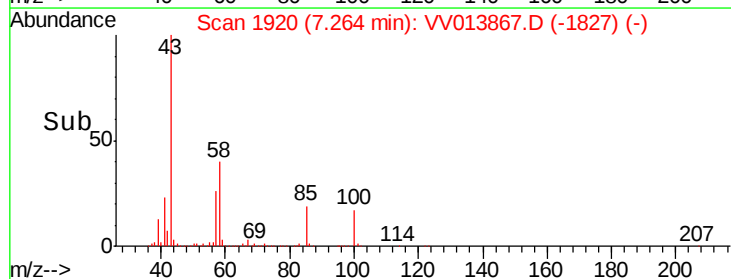
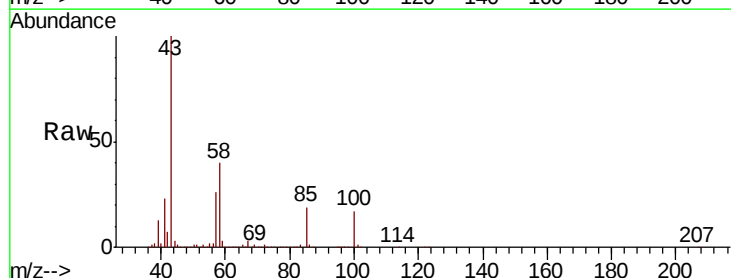
Tot Ion: 75 Resp: 374662
Ion Ratio Lower Upper
75 100
77 30.9 21.6 40.2

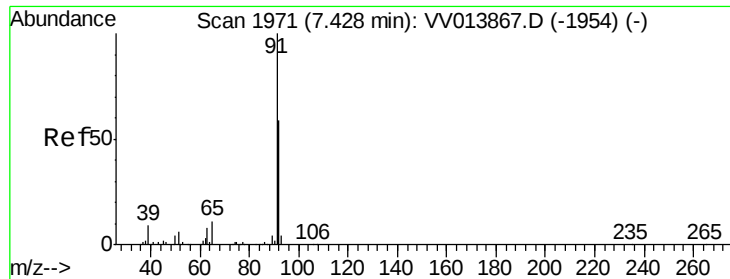


#40

4-Methyl-2-pentanone
Concen: 99.756 ug/L
RT: 7.26 min Scan# 1920
Delta R.T. 0.00 min
Lab File: VV013867.D
Acq: 02 Dec 2019 12:36

Tgt Ion: 43 Resp: 617350
Ion Ratio Lower Upper
43 100
58 39.9 31.9 47.9
100 17.1 13.7 20.5





#42

Toluene

Concen: 53.060 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV013867.D

Acq: 02 Dec 2019 12:36

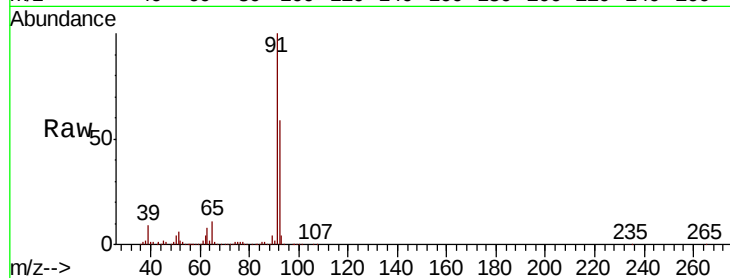
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 1031550

Ion Ratio Lower Upper

91 100

92 59.2 41.4 77.0



Abundance Ion 91.00 (90.70 to 91.70): VV013867.D (-1954) (-)

Ion 92.00 (91.70 to 92.70): VV013867.D (-1954) (-)

7.43

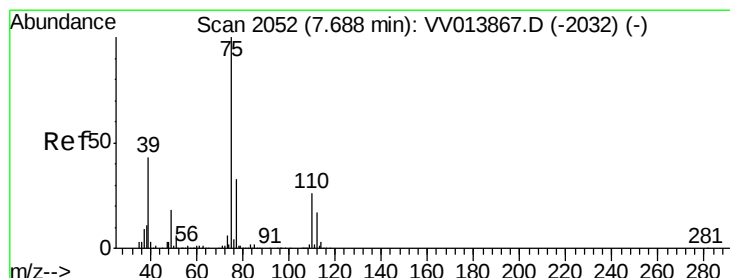
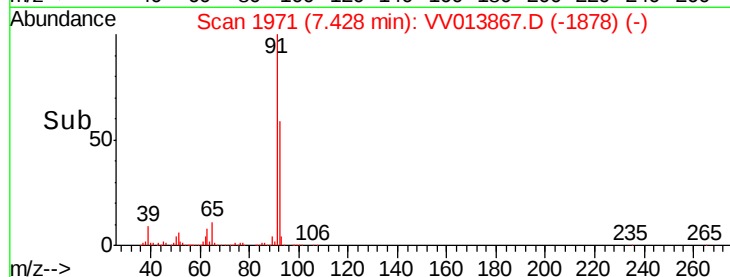
600000

400000

200000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 52.082 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. 0.00 min

Lab File: VV013867.D

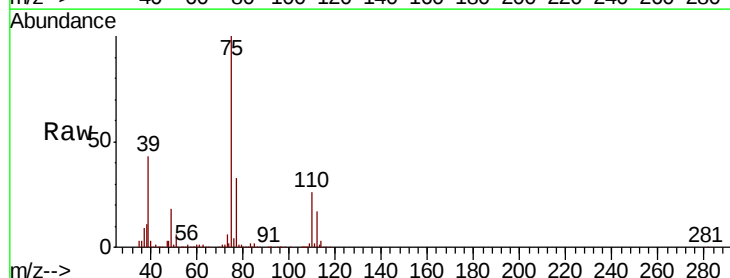
Acq: 02 Dec 2019 12:36

Tgt Ion: 75 Resp: 336519

Ion Ratio Lower Upper

75 100

77 32.7 22.9 42.5



Abundance Ion 75.00 (74.70 to 75.70): VV013867.D (-2032) (-)

Ion 77.00 (76.70 to 77.70): VV013867.D (-2032) (-)

7.69

200000

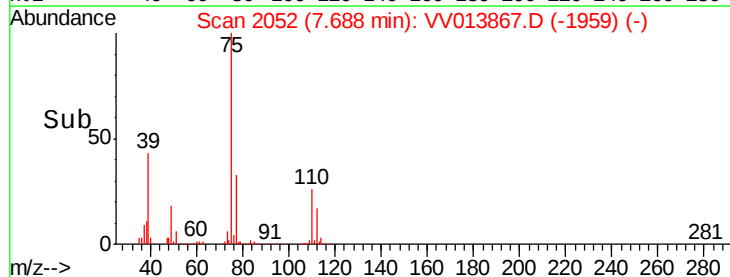
150000

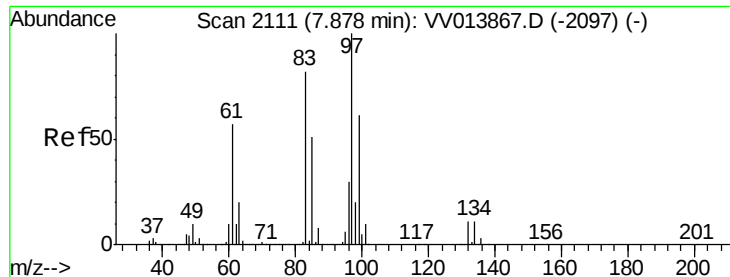
100000

50000

0

Time-->

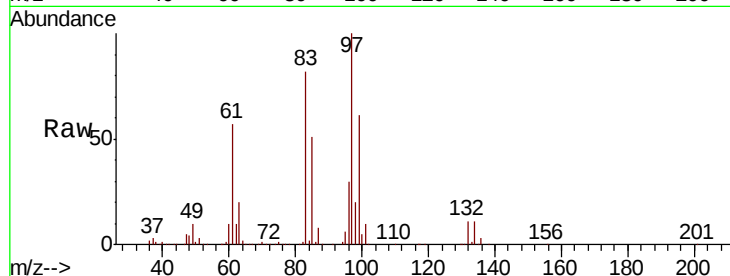




#45
1,1,2-Trichloroethane
Concen: 51.371 ug/L
RT: 7.88 min Scan# 2111
Delta R.T. 0.00 min
Lab File: VV013867.D
Acq: 02 Dec 2019 12:36

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	97	Resp:	236688
Ion	Ratio	Lower	Upper
97	100		
99	61.5	43.0	80.0
83	82.2	57.5	106.9
85	50.9	35.6	66.2



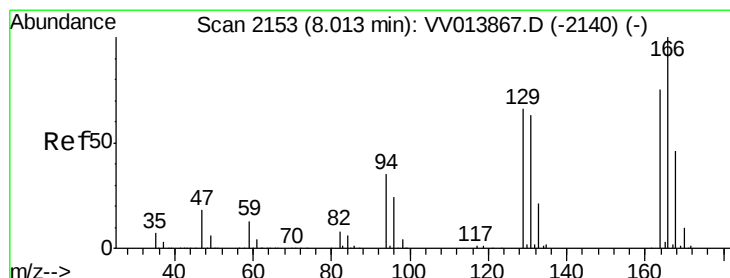
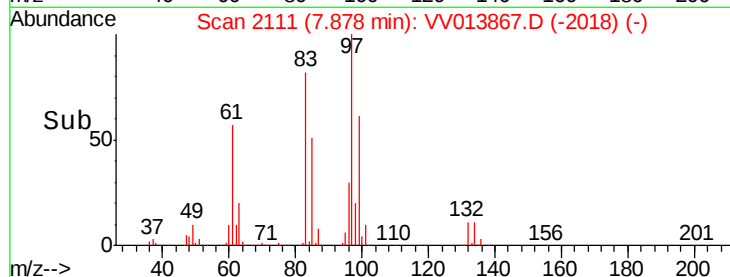
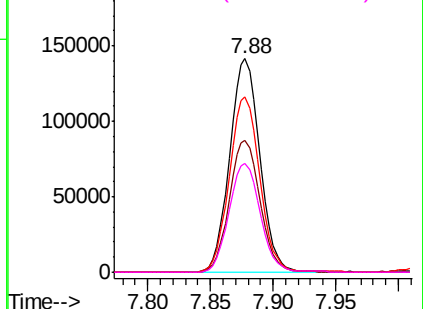
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

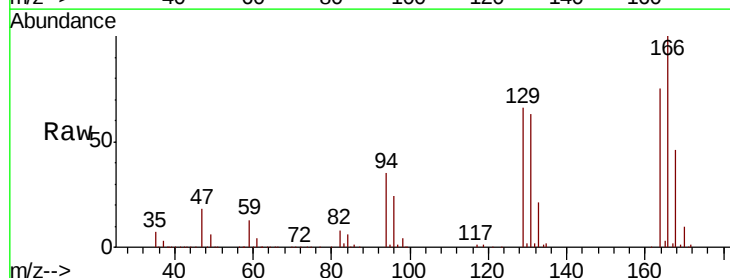
Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46
Tetrachloroethene
Concen: 54.168 ug/L
RT: 8.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VV013867.D
Acq: 02 Dec 2019 12:36

Tgt Ion:	164	Resp:	233776
Ion	Ratio	Lower	Upper
164	100		
129	88.2	61.7	114.7
131	83.5	58.4	108.6
166	133.5	93.4	173.6



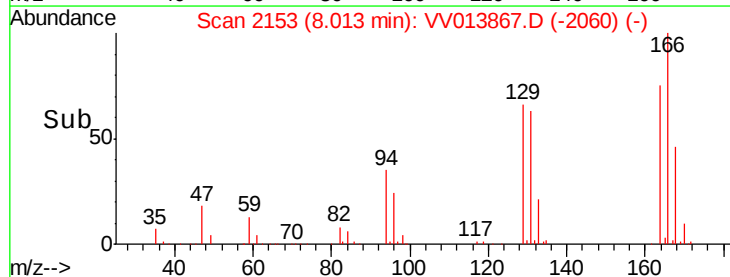
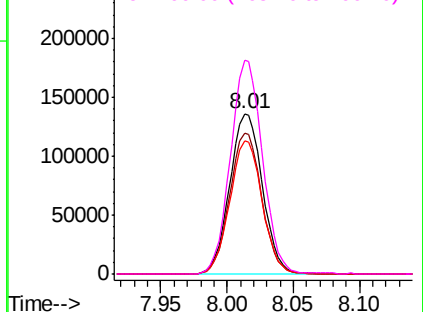
Abundance

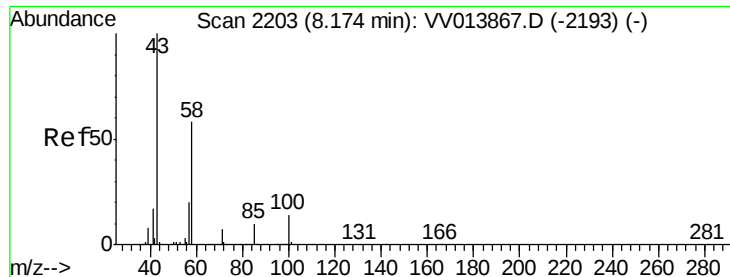
Ion 164.00 (163.70 to 164.70): V

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

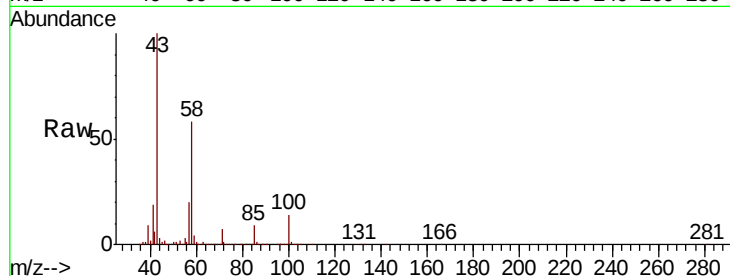




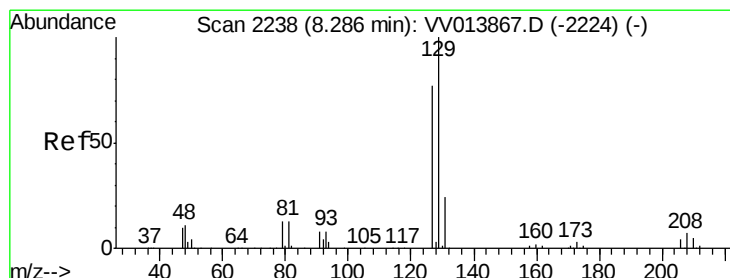
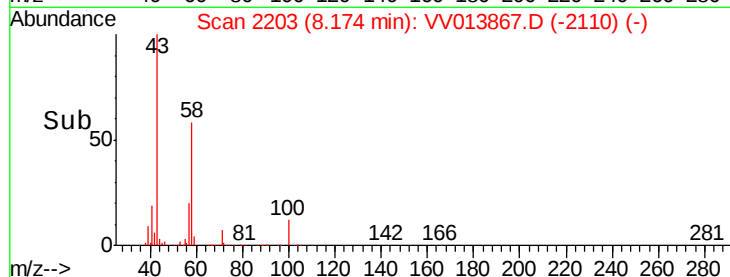
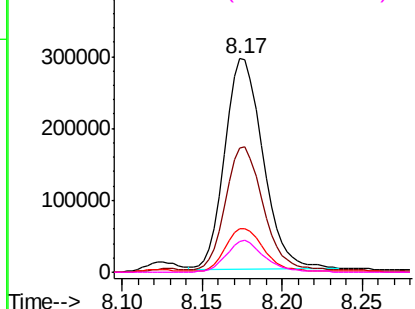
#48
2-Hexanone
Concen: 98.083 ug/L
RT: 8.17 min Scan# 2203
Delta R.T. 0.00 min
Lab File: VV013867.D
Acq: 02 Dec 2019 12:36

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 476397
Ion Ratio Lower Upper
43 100
58 60.5 48.4 72.6
57 20.7 16.6 24.8
100 14.9 11.9 17.9

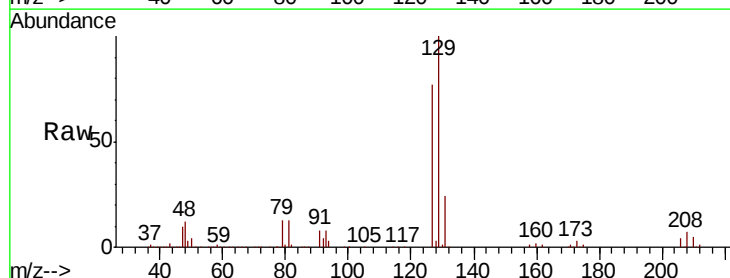


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

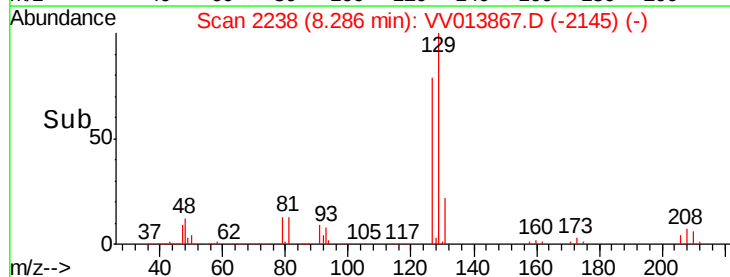
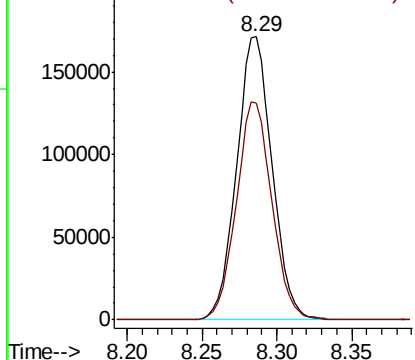


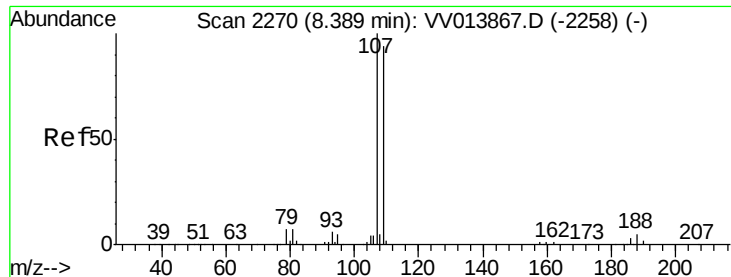
#49
Dibromochloromethane
Concen: 52.960 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV013867.D
Acq: 02 Dec 2019 12:36

Tgt Ion: 129 Resp: 282779
Ion Ratio Lower Upper
129 100
127 76.7 53.7 99.7



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

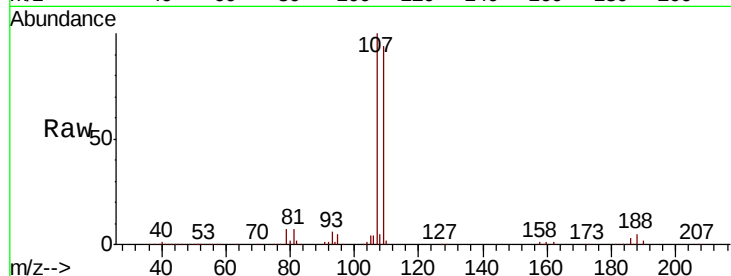




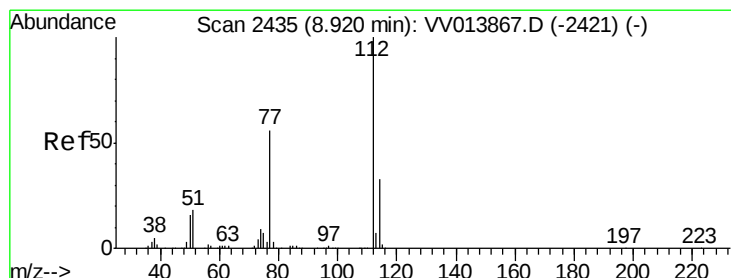
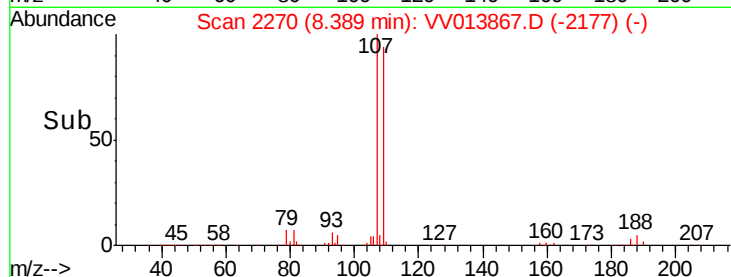
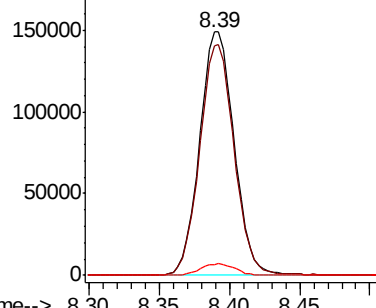
#50
1,2-Dibromoethane
Concen: 52.267 ug/L
RT: 8.39 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VV013867.D
Acq: 02 Dec 2019 12:36

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.2	65.9	122.5
188	4.5	3.6	5.4

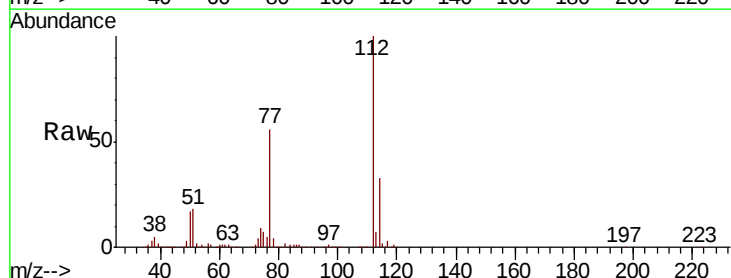


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

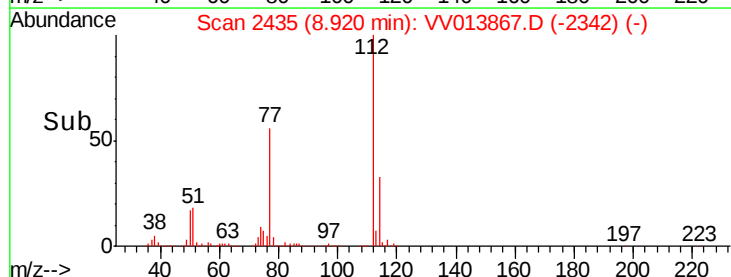
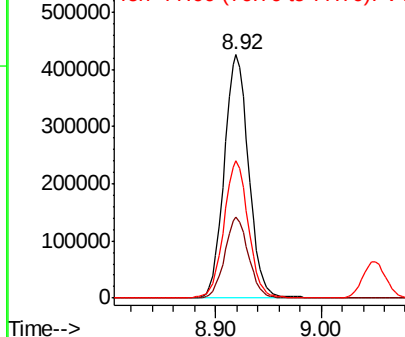


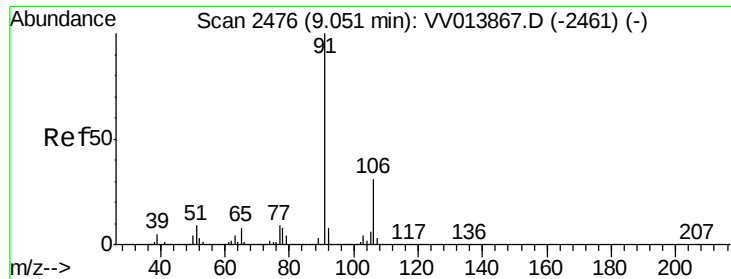
#51
Chlorobenzene
Concen: 52.297 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. 0.00 min
Lab File: VV013867.D
Acq: 02 Dec 2019 12:36

Tgt Ion	Ratio	Lower	Upper
112	100		
114	33.2	23.2	43.2
77	56.2	45.0	67.4



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): VV0





#52

Ethylbenzene

Concen: 53.384 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV013867.D

Acq: 02 Dec 2019 12:36

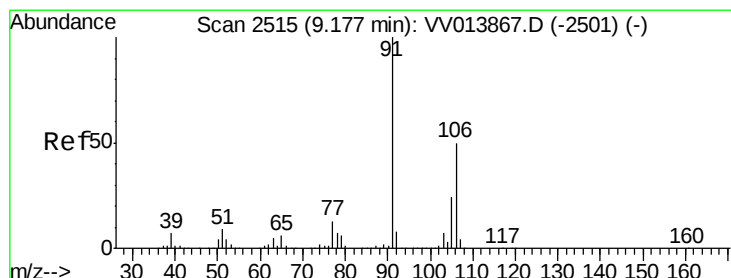
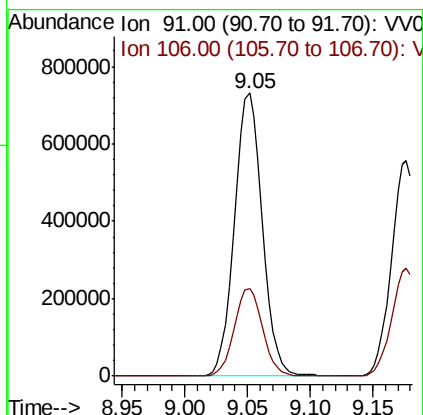
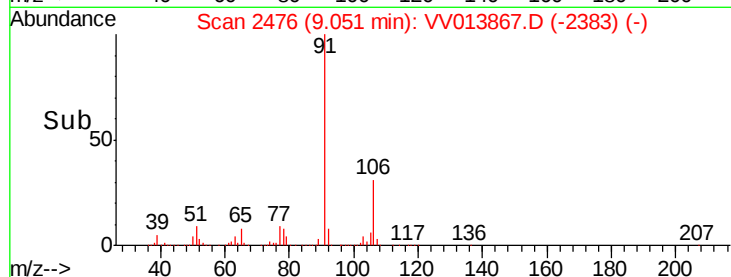
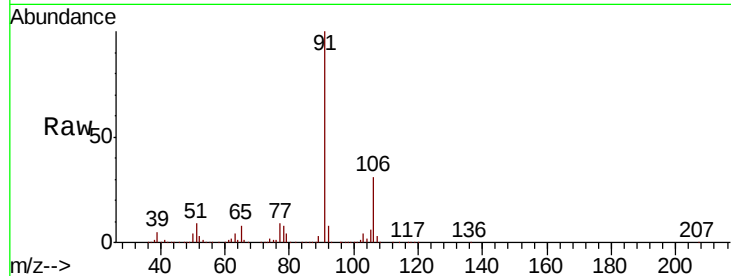
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 1129566

Ion Ratio Lower Upper

91 100

106 31.1 21.8 40.4



#53

m,p-Xylene

Concen: 55.236 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV013867.D

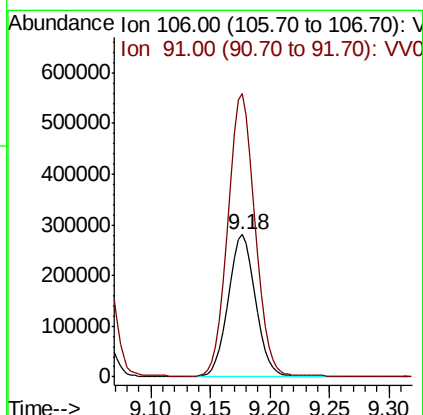
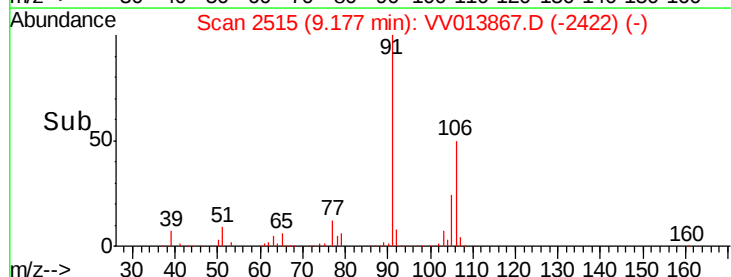
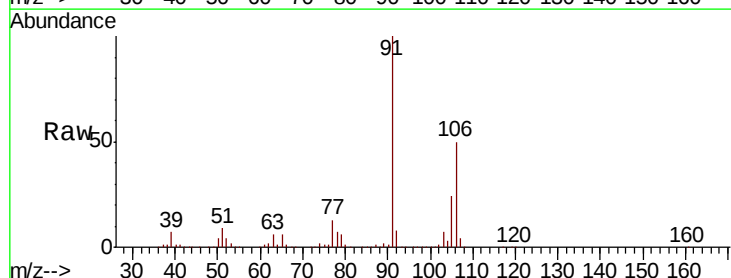
Acq: 02 Dec 2019 12:36

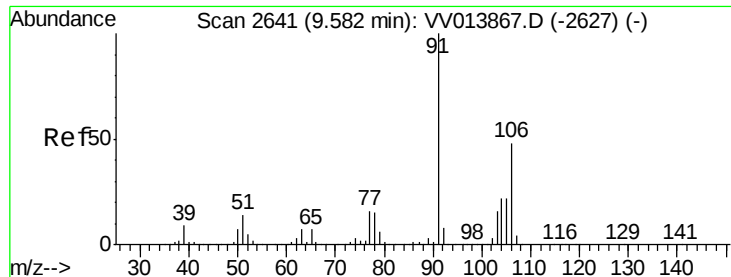
Tgt Ion: 106 Resp: 446246

Ion Ratio Lower Upper

106 100

91 199.2 139.4 259.0





#54

o-xylene

Concen: 58.360 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV013867.D

Acq: 02 Dec 2019 12:36

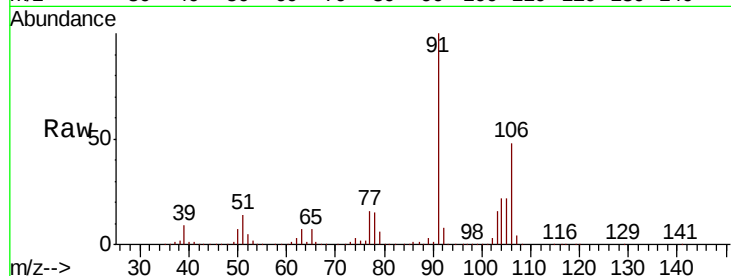
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 457899

Ion Ratio Lower Upper

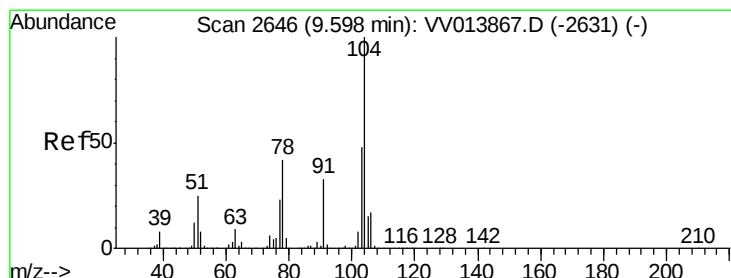
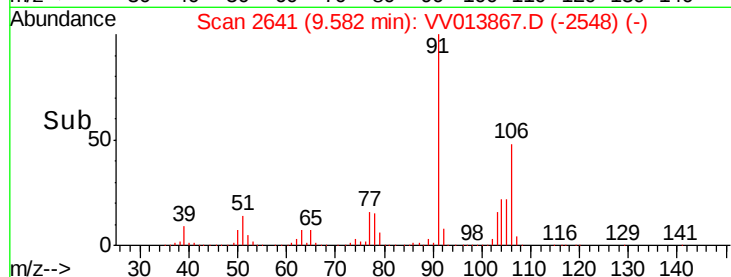
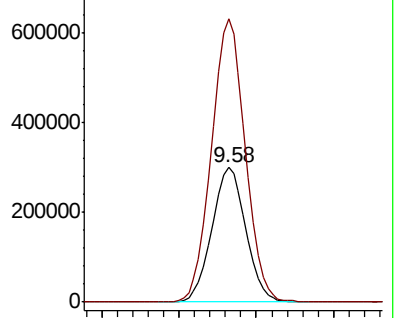
106 100

91 210.1 147.1 273.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 59.455 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. 0.00 min

Lab File: VV013867.D

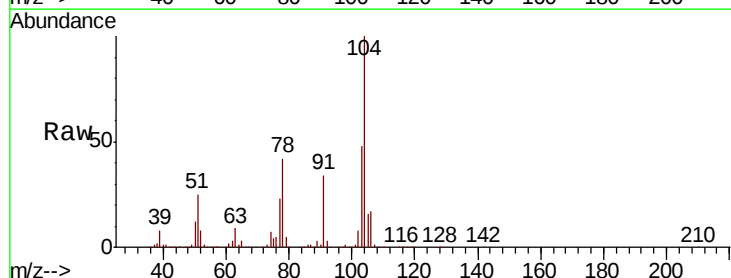
Acq: 02 Dec 2019 12:36

Tgt Ion:104 Resp: 810309

Ion Ratio Lower Upper

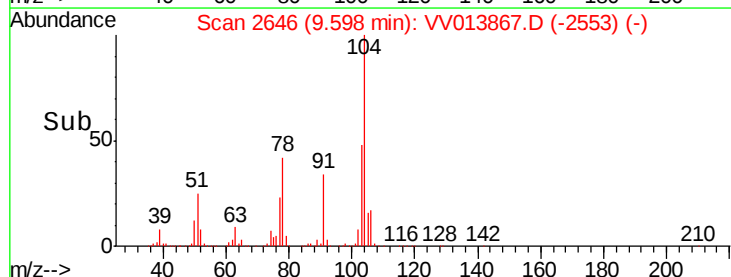
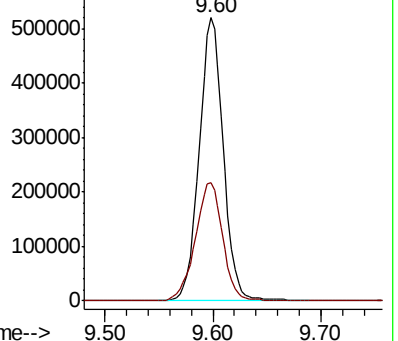
104 100

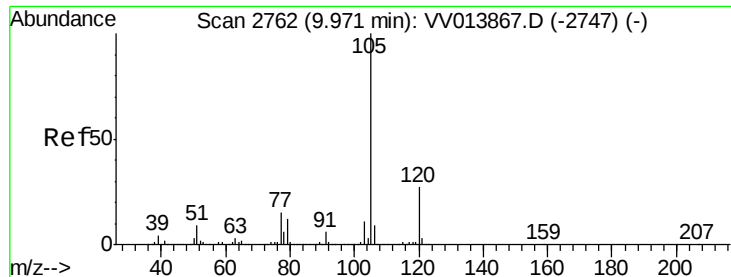
78 41.9 29.3 54.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0

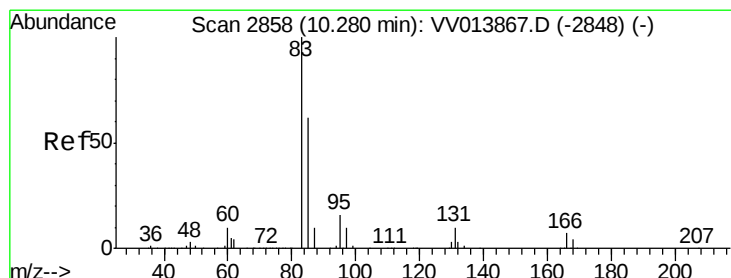
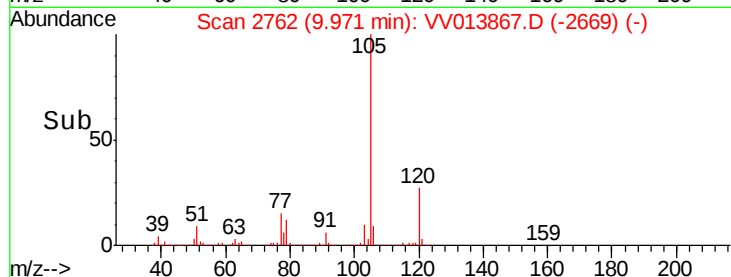
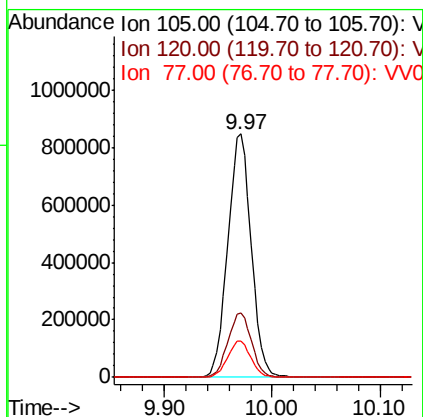
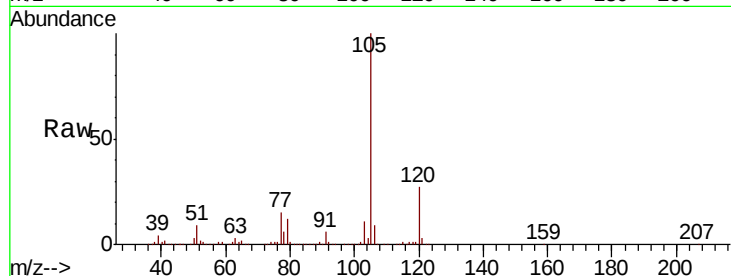




#56
Isopropylbenzene
Concen: 61.291 ug/L
RT: 9.97 min Scan# 2762
Delta R.T. 0.00 min
Lab File: VV013867.D
Acq: 02 Dec 2019 12:36

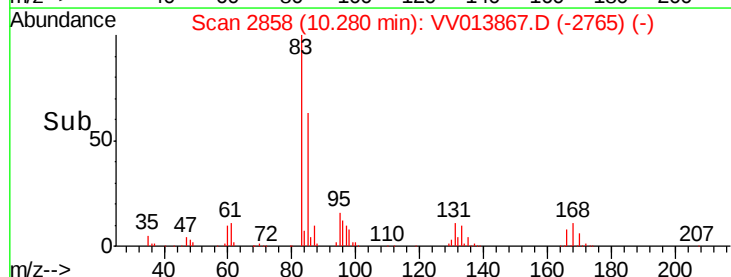
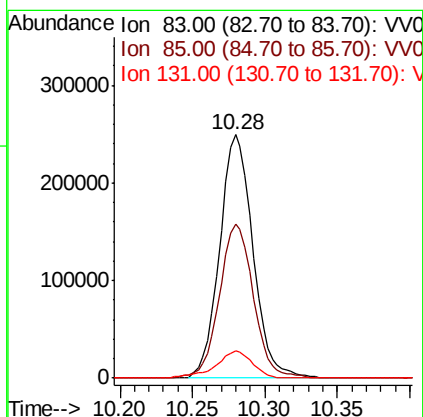
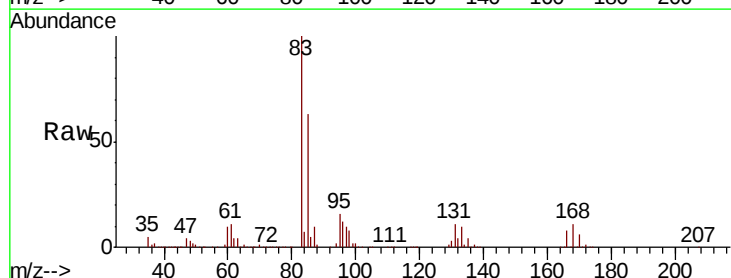
Instrument :
MSVOA_V
ClientSampled :

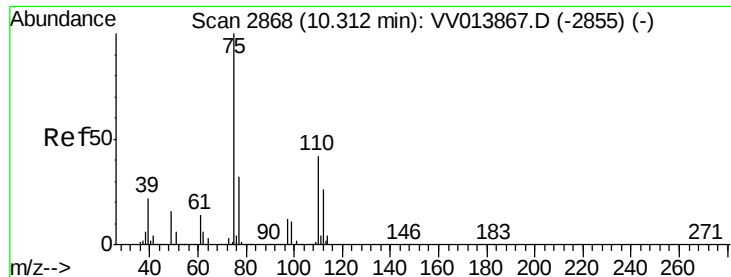
Tot Ion:105 Resp: 1282102
Ion Ratio Lower Upper
105 100
120 26.8 21.4 32.2
77 15.0 12.0 18.0



#58
1,1,2,2-Tetrachloroethane
Concen: 55.954 ug/L
RT: 10.28 min Scan# 2858
Delta R.T. 0.00 min
Lab File: VV013867.D
Acq: 02 Dec 2019 12:36

Tgt Ion: 83 Resp: 396281
Ion Ratio Lower Upper
83 100
85 63.0 44.1 81.9
131 11.0 8.8 13.2





#59

1,2,3-Trichloropropane

Concen: 56.033 ug/L

RT: 10.31 min Scan# 2868

Delta R.T. 0.00 min

Lab File: VV013867.D

Acq: 02 Dec 2019 12:36

Instrument :

MSVOA_V

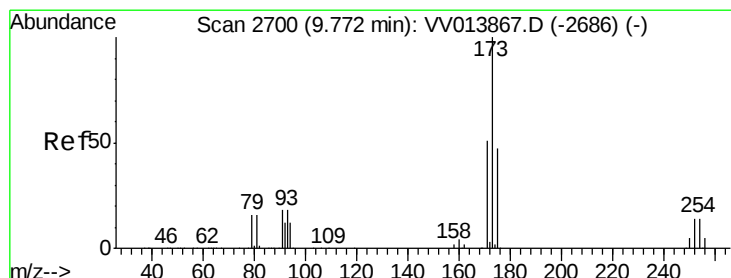
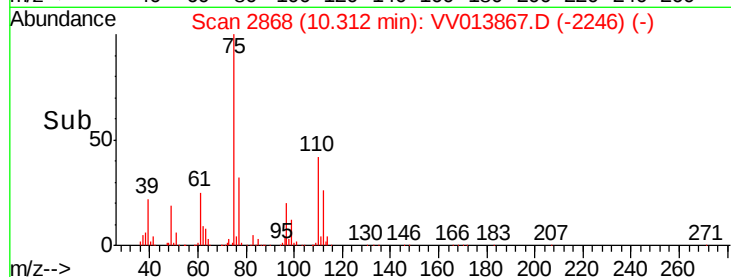
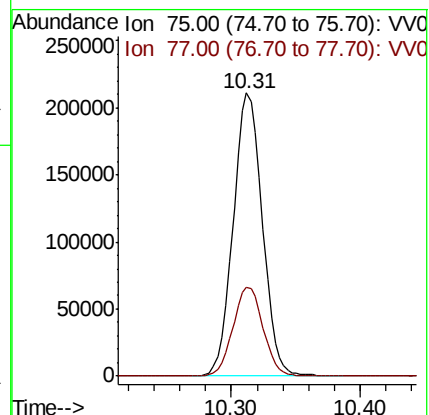
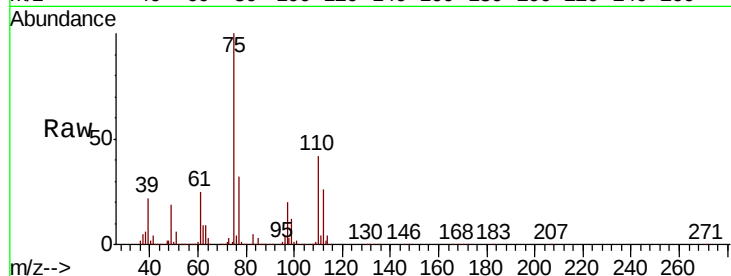
ClientSampleId :

Tot Ion: 75 Resp: 330736

Ion Ratio Lower Upper

75 100

77 32.3 25.8 38.8



#61

Bromoform

Concen: 50.110 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV013867.D

Acq: 02 Dec 2019 12:36

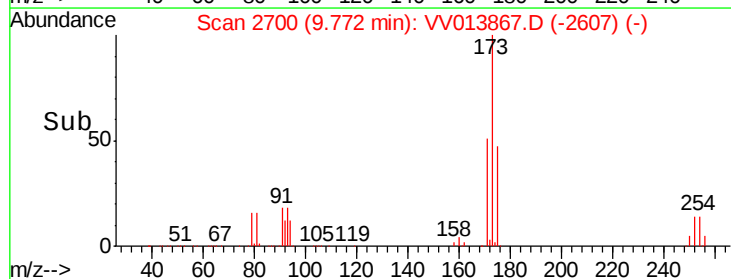
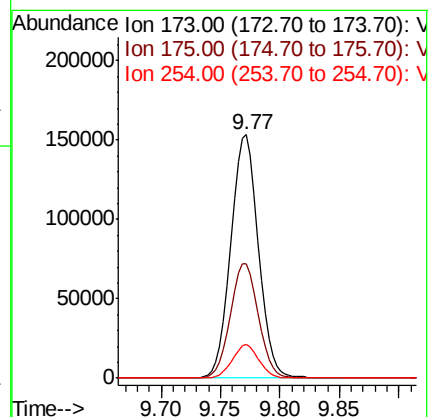
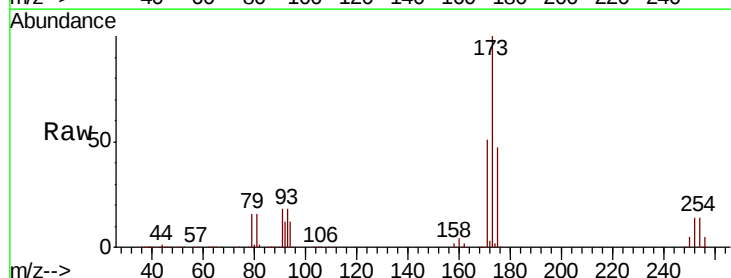
Tgt Ion: 173 Resp: 246721

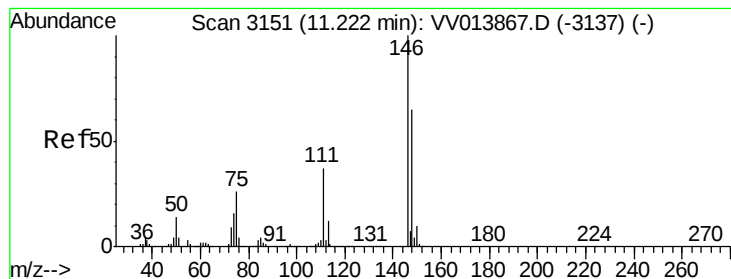
Ion Ratio Lower Upper

173 100

175 48.0 38.4 57.6

254 13.1 10.5 15.7





#62

1,3-Dichlorobenzene

Concen: 51.769 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. 0.00 min

Lab File: VV013867.D

Acq: 02 Dec 2019 12:36

Instrument :

MSVOA_V

ClientSampleId :

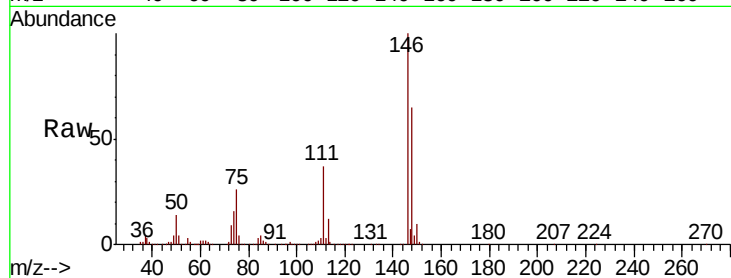
Tot Ion:146 Resp: 664421

Ion Ratio Lower Upper

146 100

111 36.9 25.8 48.0

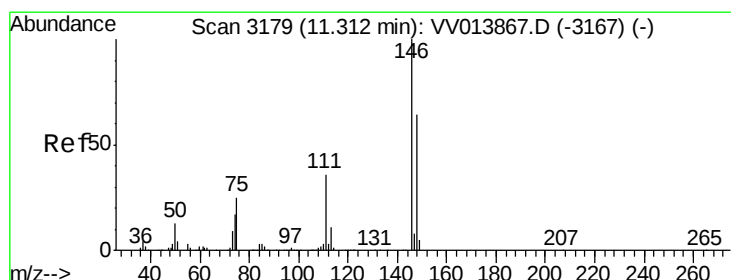
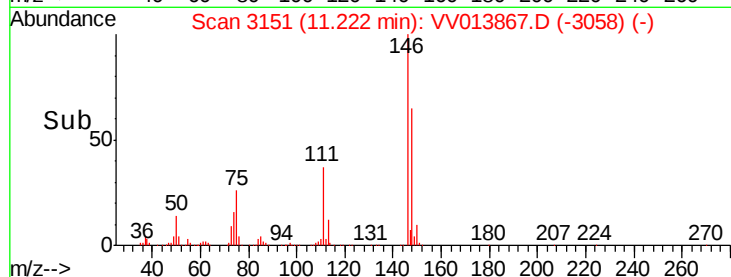
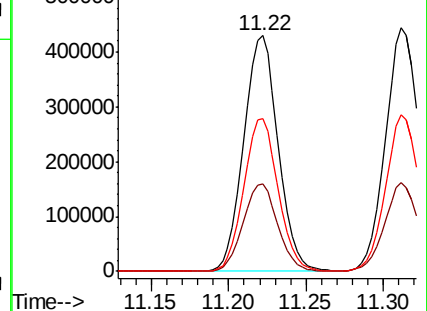
148 64.6 45.2 84.0



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: 51.047 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. 0.00 min

Lab File: VV013867.D

Acq: 02 Dec 2019 12:36

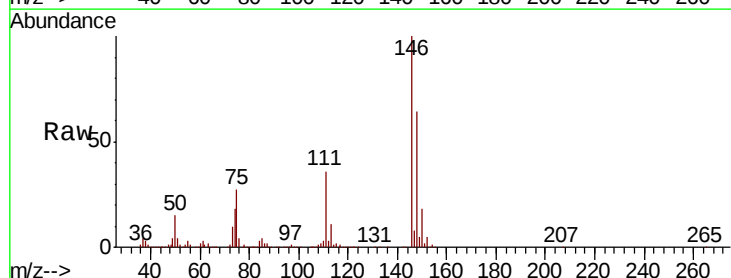
Tgt Ion:146 Resp: 681054

Ion Ratio Lower Upper

146 100

111 36.3 25.4 47.2

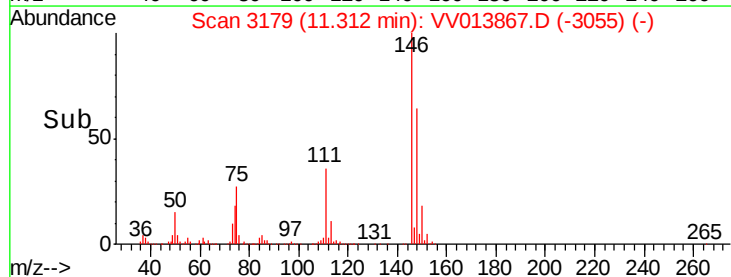
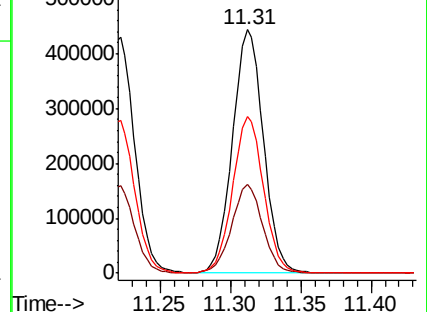
148 64.2 44.9 83.5

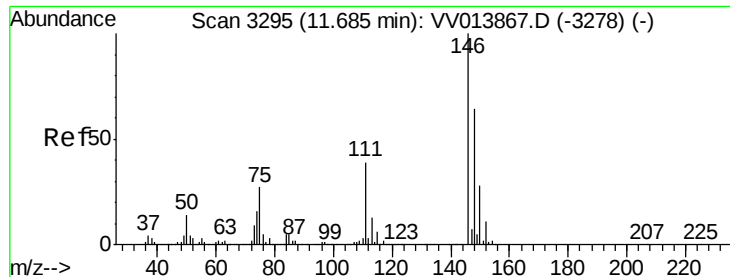


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

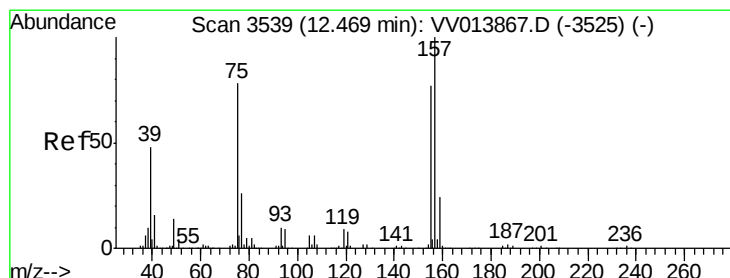
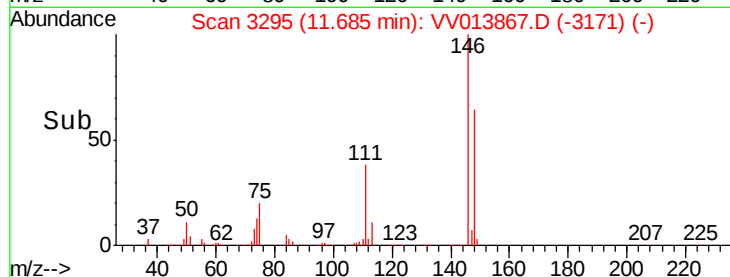
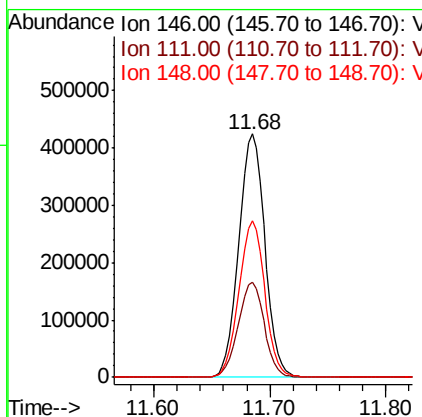
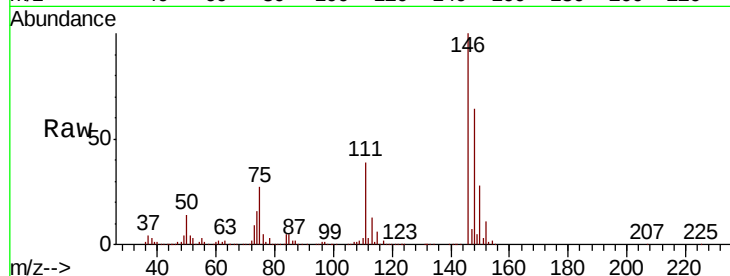




#65
 1,2-Dichlorobenzene
 Concen: 51.393 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV013867.D
 Acq: 02 Dec 2019 12:36

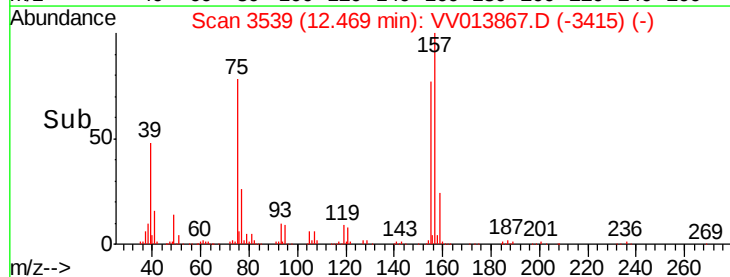
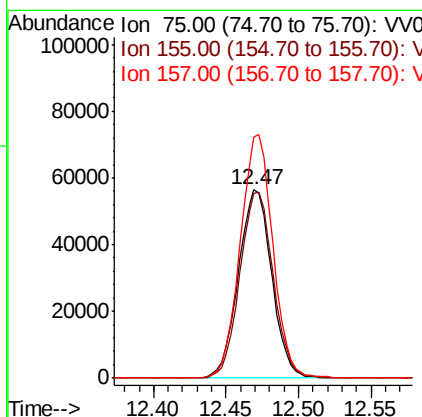
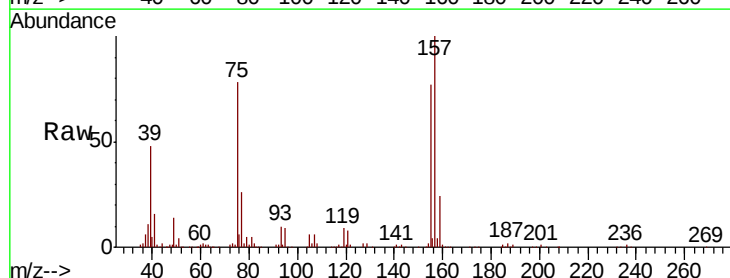
Instrument :
 MSVOA_V
 ClientSampleId :

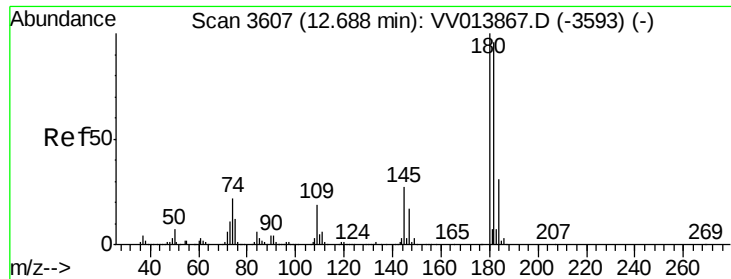
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	31.4	47.0
148	64.4	51.5	77.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 50.762 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. 0.00 min
 Lab File: VV013867.D
 Acq: 02 Dec 2019 12:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.2	78.6	117.8
157	128.2	102.6	153.8

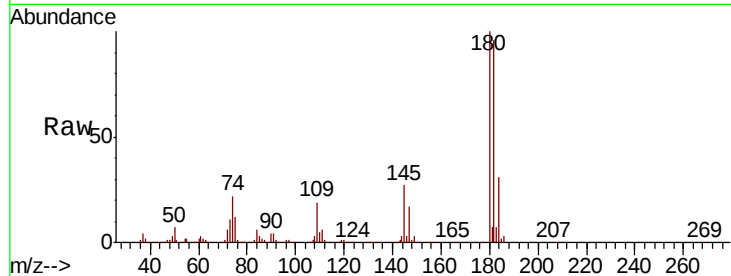




#67
 1,3,5-Trichlorobenzene
 Concen: 51.614 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV013867.D
 Acq: 02 Dec 2019 12:36

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.2	114.4
184	30.3	24.2	36.4
145	26.4	21.1	31.7



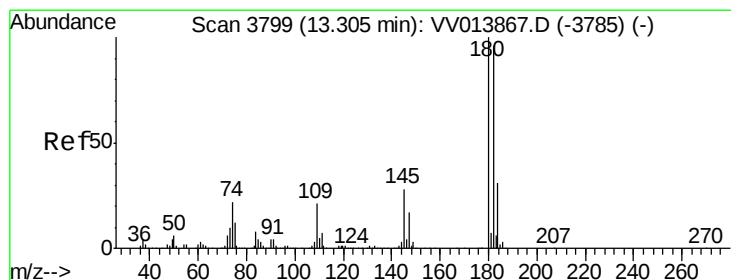
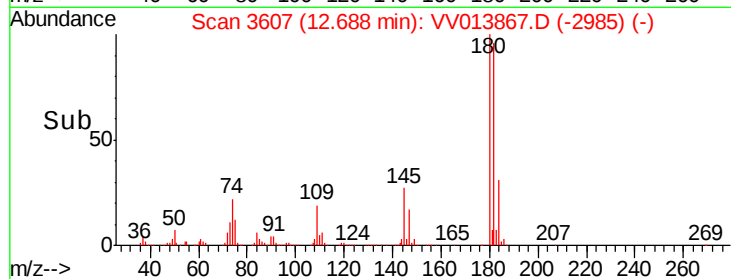
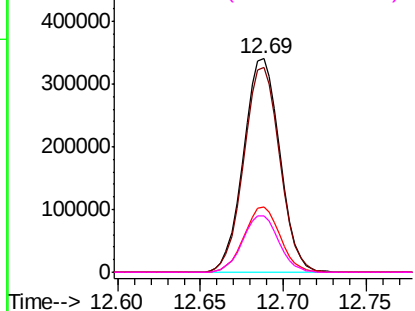
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

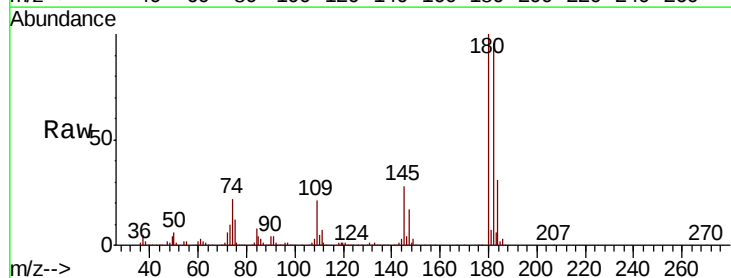
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 51.179 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV013867.D
 Acq: 02 Dec 2019 12:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.2	114.4
145	27.4	21.9	32.9

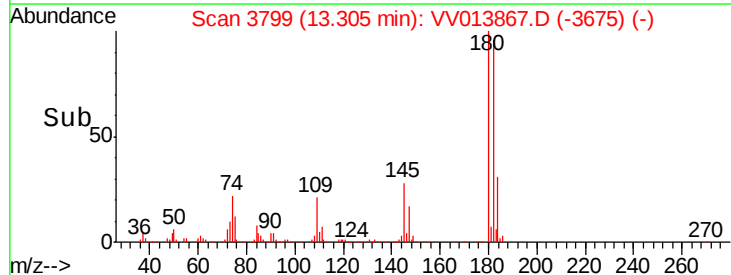
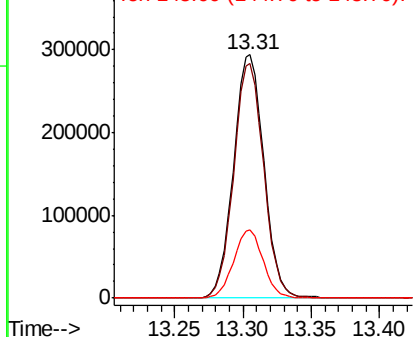


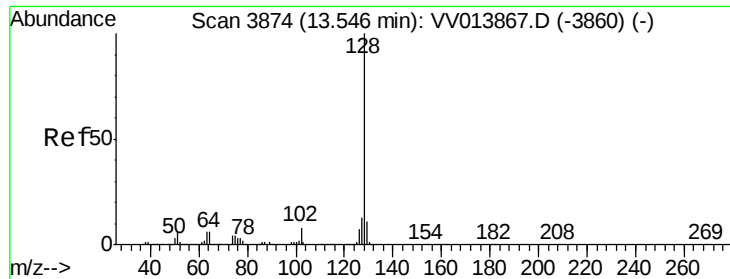
Abundance

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: 52.323 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV013867.D

Acq: 02 Dec 2019 12:36

Instrument :

MSVOA_V

ClientSampled :

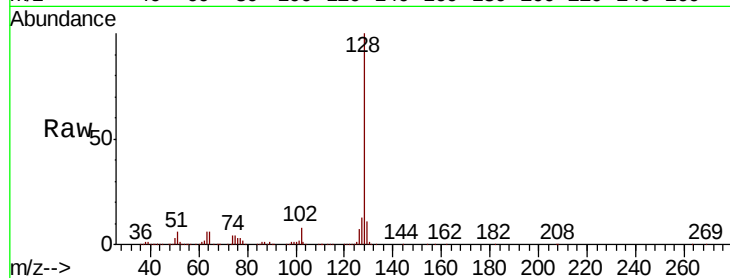
Tot Ion:128 Resp: 1238889

Ion Ratio Lower Upper

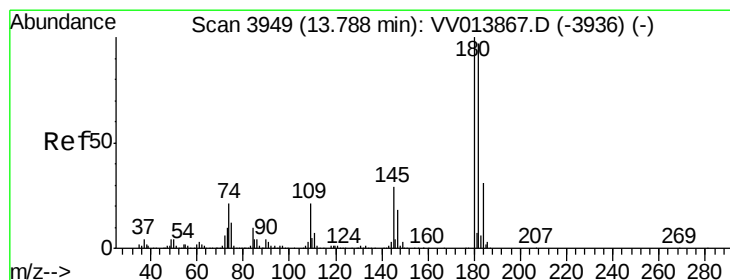
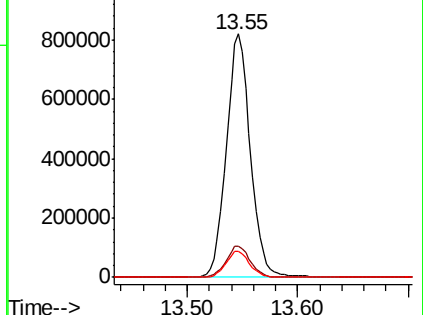
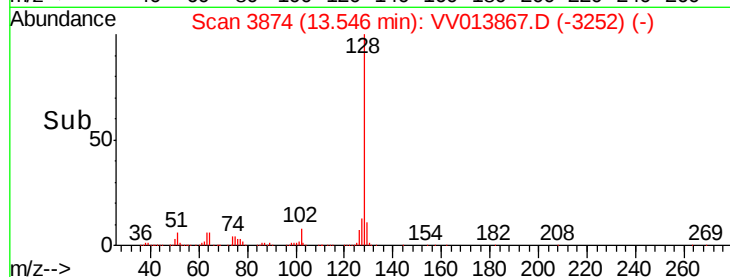
128 100

127 13.1 10.5 15.7

129 10.7 8.6 12.8



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: 52.218 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV013867.D

Acq: 02 Dec 2019 12:36

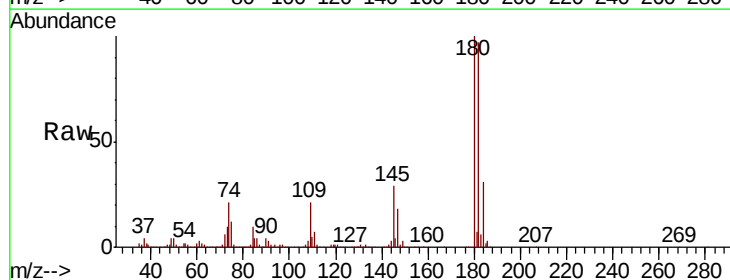
Tgt Ion:180 Resp: 493917

Ion Ratio Lower Upper

180 100

182 96.2 77.0 115.4

145 28.3 22.6 34.0



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

