

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV111319\
 Data File : VV013597.D
 Acq On : 13 Nov 2019 09:00
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDCCC005

Quant Time: Nov 14 04:57:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Nov 14 04:50:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.69	114	396224	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	397019	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	208047	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.33	65	79166	4.28	ug/L	0.00
7) Chloroethane-d5	1.60	69	79874	5.05	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.15	63	158777	4.55	ug/L	-0.01
20) 2-Butanone-d5	4.02	46	288449	50.93	ug/L	-0.01
24) Chloroform-d	4.41	84	212732	4.93	ug/L	-0.02
26) 1,2-Dichloroethane-d4	5.10	65	126256	5.71	ug/L	0.00
32) Benzene-d6	5.10	84	399029	4.85	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.16	67	145417	5.22	ug/L	0.00
41) Toluene-d8	7.38	98	348191	4.63	ug/L	-0.02
43) trans-1,3-Dichloropropene-	7.68	79	52912	5.00	ug/L	0.00
46) 2-Hexanone-d5	8.15	63	281275	65.53	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	127672	5.85	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	167974	4.79	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.16	85	214965	5.673 ug/L	100
3) Chloromethane	1.27	50	186053	5.439 ug/L	97
5) Vinyl chloride	1.34	62	176489	5.406 ug/L	99
6) Bromomethane	1.55	94	98061	5.590 ug/L	97
8) Chloroethane	1.61	64	98249	5.440 ug/L	100
9) Trichlorofluoromethane	1.78	101	246948	5.625 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.15	101	137903	5.572 ug/L	100
12) 1,1-Dichloroethene	2.15	96	126826	5.433 ug/L #	81
13) Acetone	2.28	43	135781	39.430 ug/L #	58
14) Carbon disulfide	2.33	76	358623	5.134 ug/L	99
15) Methyl Acetate	2.51	43	31789	3.198 ug/L	94
16) Methylene chloride	2.55	84	131911	4.464 ug/L	100
17) Methyl tert-butyl Ether	2.84	73	286670	4.731 ug/L	98
18) trans-1,2-Dichloroethene	2.80	96	140516	4.959 ug/L	96
19) 1,1-Dichloroethane	3.24	63	243218	4.663 ug/L	99
21) 2-Butanone	4.11	43	287395	46.360 ug/L	92
22) cis-1,2-Dichloroethene	3.97	96	151273	5.126 ug/L	99
23) Bromochloromethane	4.31	128	63991	4.711 ug/L	95
25) Chloroform	4.43	83	268413	4.650 ug/L	99
27) 1,2-Dichloroethane	5.20	62	179606	5.634 ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	252729	5.392 ug/L	98
30) Cyclohexane	4.72	56	274273	5.856 ug/L	94
31) Carbon tetrachloride	4.87	117	236227	5.604 ug/L	100
33) Benzene	5.15	78	653500	5.394 ug/L	100
34) Trichloroethene	6.00	95	170534	5.257 ug/L	96
35) Methylcyclohexane	6.21	83	254171	5.214 ug/L	98
37) 1,2-Dichloropropane	6.26	63	159591	5.378 ug/L #	96
38) Bromodichloromethane	6.59	83	205832	5.360 ug/L	98
39) cis-1,3-Dichloropropene	7.09	75	217605	5.309 ug/L	98
40) 4-Methyl-2-pentanone	7.30	43	909509	54.072 ug/L	100

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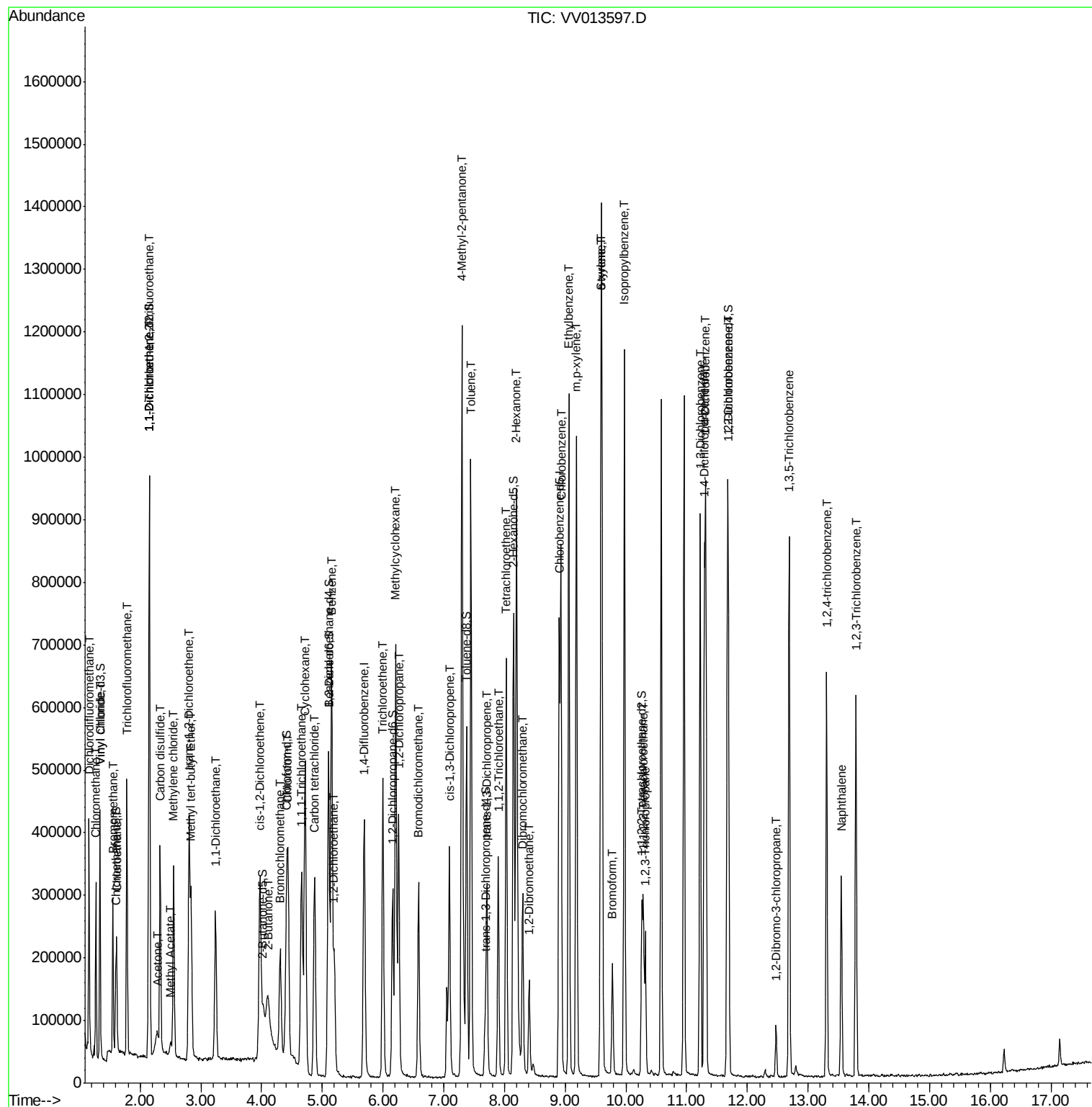
42) Toluene	7.45	91	698932	5.555	ug/L	99
44) trans-1,3-Dichloropropene	7.71	75	171347	5.269	ug/L	96
45) 1,1,2-Trichloroethane	7.90	97	111743	5.463	ug/L	96
47) Tetrachloroethene	8.03	164	158159	5.544	ug/L	96
48) 2-Hexanone	8.20	43	672786	55.806	ug/L	99
49) Dibromochloromethane	8.30	129	141981	5.559	ug/L	95
50) 1,2-Dibromoethane	8.41	107	101172	5.306	ug/L	98
51) Chlorobenzene	8.93	112	438208	5.271	ug/L	100
52) Ethylbenzene	9.06	91	719618	5.378	ug/L	99
53) m,p-xylene	9.19	106	283936	5.661	ug/L	99
54) o-xylene	9.59	106	261933	5.471	ug/L	97
55) Styrene	9.60	104	469108	5.732	ug/L	98
56) Isopropylbenzene	9.97	105	712563	5.517	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	124728	5.673	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	93805	5.317	ug/L	98
61) Bromoform	9.78	173	81559	5.526	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	365134	5.324	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	361638	5.257	ug/L	98
65) 1,2-Dichlorobenzene	11.68	146	330655	5.244	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.47	75	19879	6.027	ug/L	96
67) 1,3,5-Trichlorobenzene	12.69	180	280582	5.215	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	206761	4.877	ug/L	97
69) Naphthalene	13.55	128	249892	4.412	ug/L	98
70) 1,2,3-Trichlorobenzene	13.79	180	199487	4.977	ug/L	99

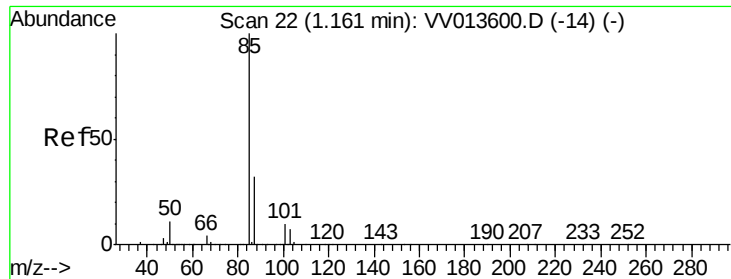
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.673 ug/L

RT: 1.16 min Scan# 21

Delta R.T. -0.00 min

Lab File: VV013597.D

Acq: 13 Nov 2019 09:00

Instrument :

MSVOA_V

ClientSampleId :

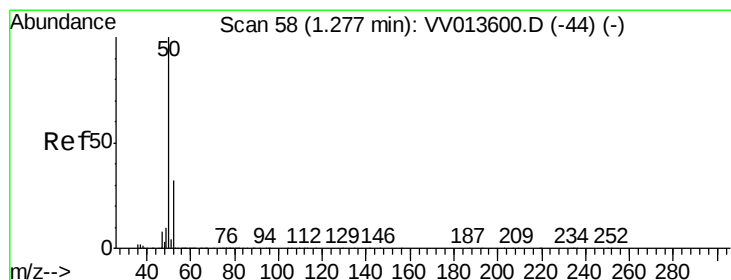
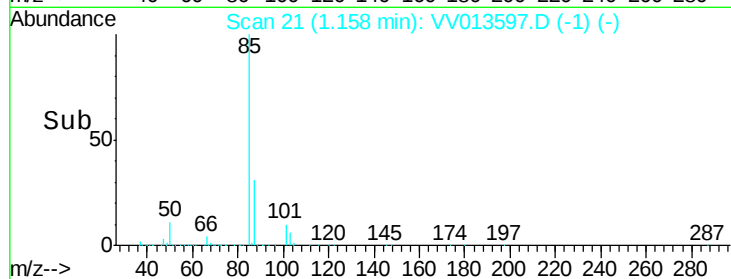
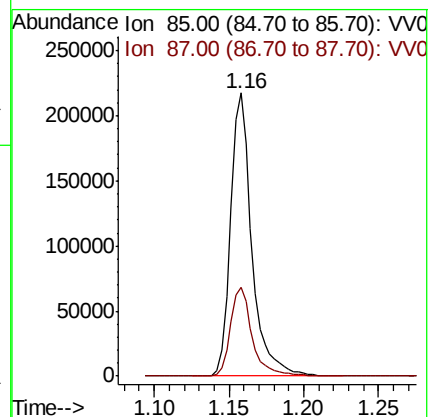
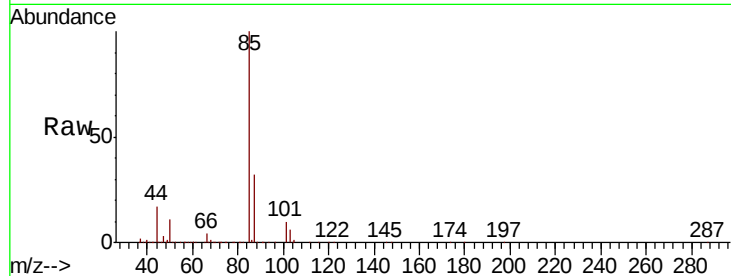
VSTDCCC005

Tot Ion: 85 Resp: 214965

Ion Ratio Lower Upper

85 100

87 31.9 25.5 38.3



#3

Chloromethane

Concen: 5.439 ug/L

RT: 1.27 min Scan# 56

Delta R.T. -0.01 min

Lab File: VV013597.D

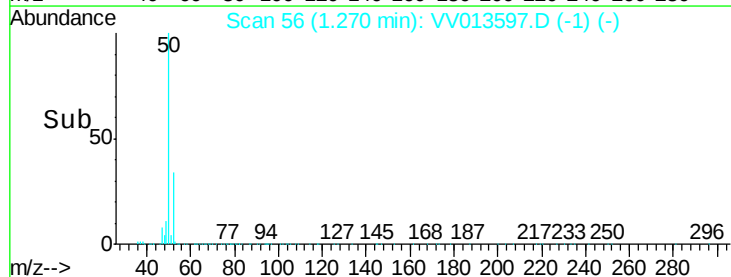
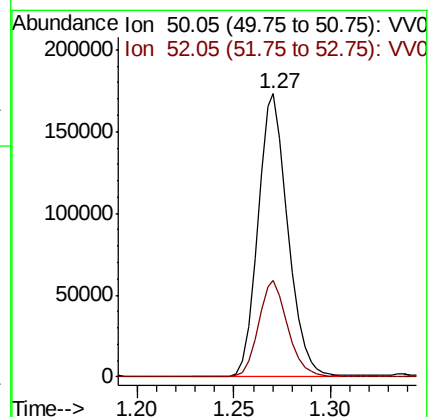
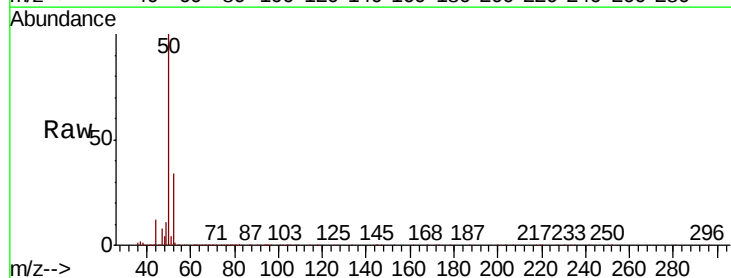
Acq: 13 Nov 2019 09:00

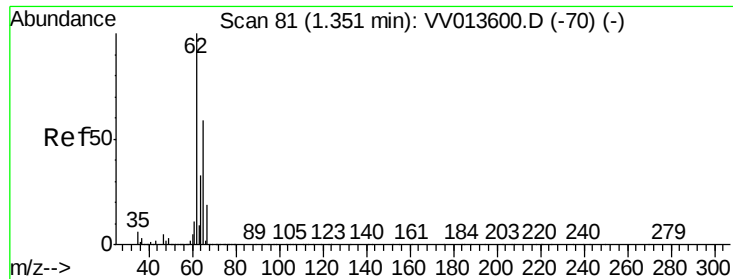
Tgt Ion: 50 Resp: 186053

Ion Ratio Lower Upper

50 100

52 33.9 22.7 42.1





#5

Vinyl chloride

Concen: 5.406 ug/L

RT: 1.34 min Scan# 78

Delta R.T. -0.01 min

Lab File: VV013597.D

Acq: 13 Nov 2019 09:00

Instrument :

MSVOA_V

ClientSampleId :

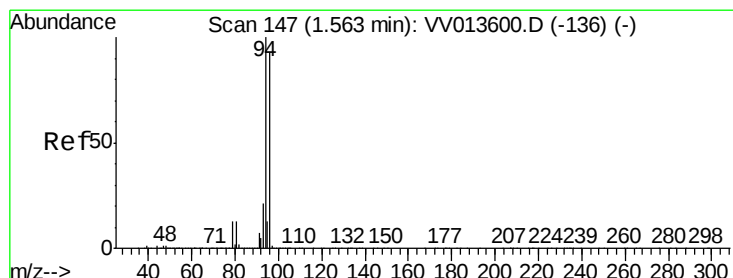
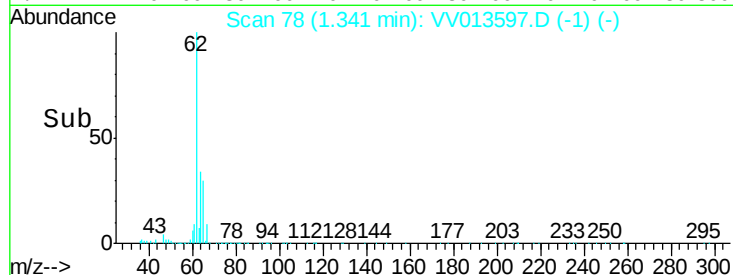
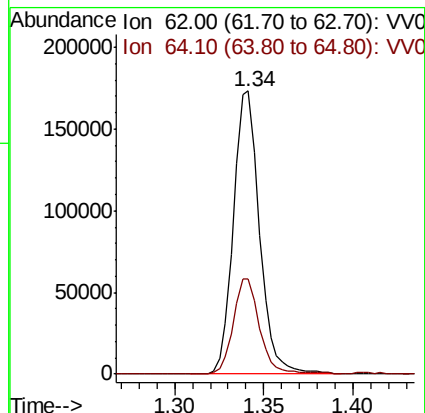
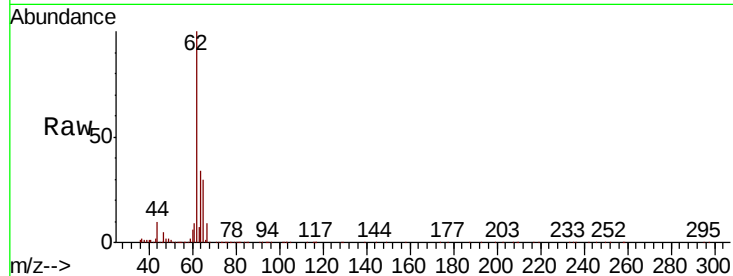
VSTDCCC005

Tot Ion: 62 Resp: 176489

Ion Ratio Lower Upper

62 100

64 33.6 23.0 42.8



#6

Bromomethane

Concen: 5.590 ug/L

RT: 1.55 min Scan# 143

Delta R.T. -0.01 min

Lab File: VV013597.D

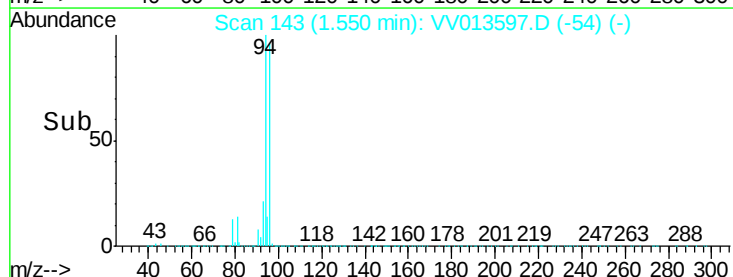
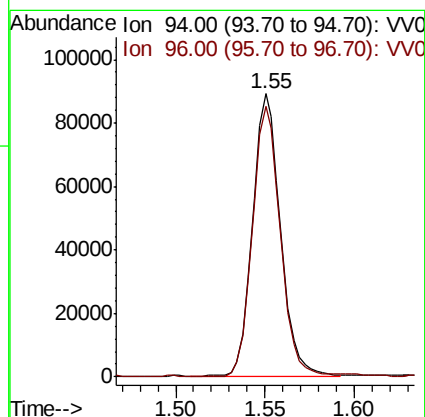
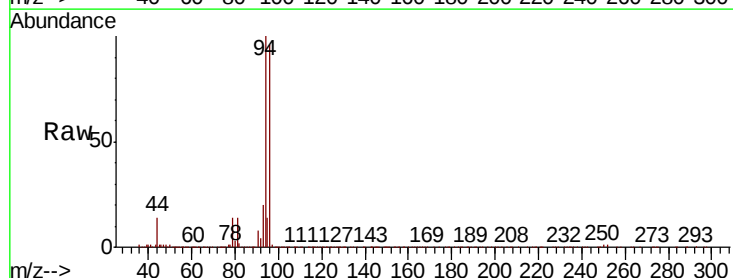
Acq: 13 Nov 2019 09:00

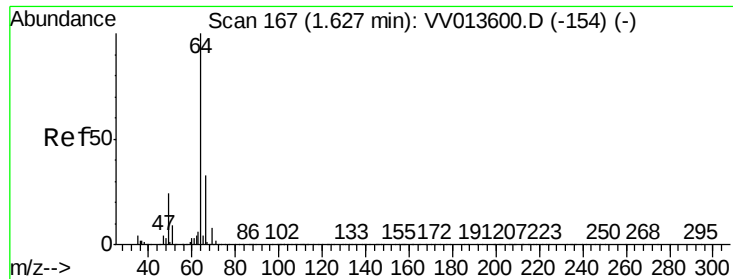
Tgt Ion: 94 Resp: 98061

Ion Ratio Lower Upper

94 100

96 95.7 65.1 120.9





#8

Chloroethane

Concen: 5.440 ug/L

RT: 1.61 min Scan# 163

Delta R.T. -0.01 min

Lab File: VV013597.D

Acq: 13 Nov 2019 09:00

Instrument :

MSVOA_V

ClientSampleId :

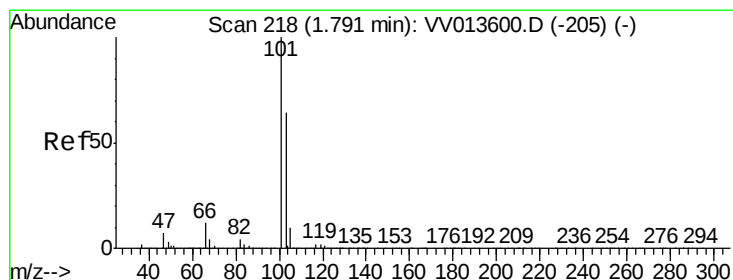
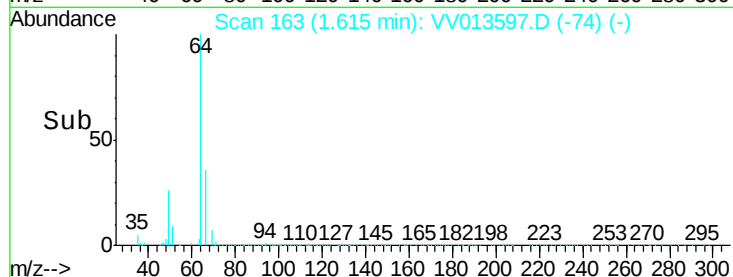
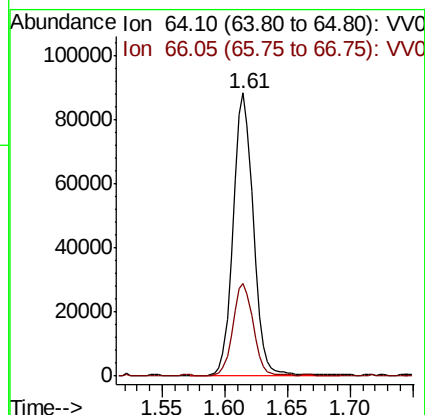
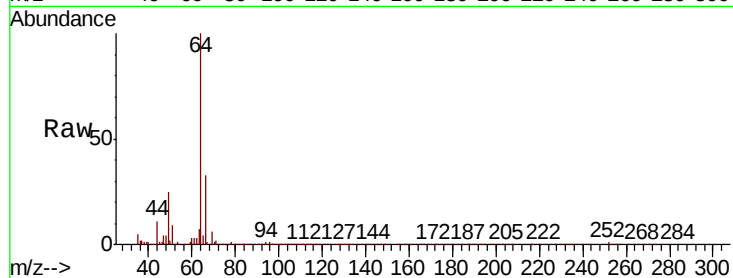
VSTDCCC005

Tot Ion: 64 Resp: 98249

Ion Ratio Lower Upper

64 100

66 33.0 23.0 42.8



#9

Trichlorofluoromethane

Concen: 5.625 ug/L

RT: 1.78 min Scan# 215

Delta R.T. -0.01 min

Lab File: VV013597.D

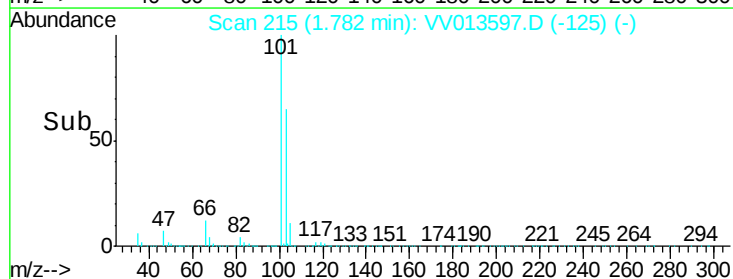
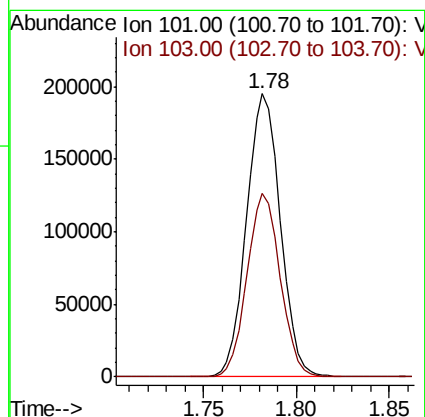
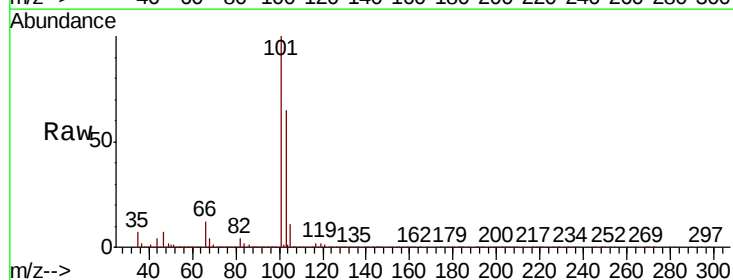
Acq: 13 Nov 2019 09:00

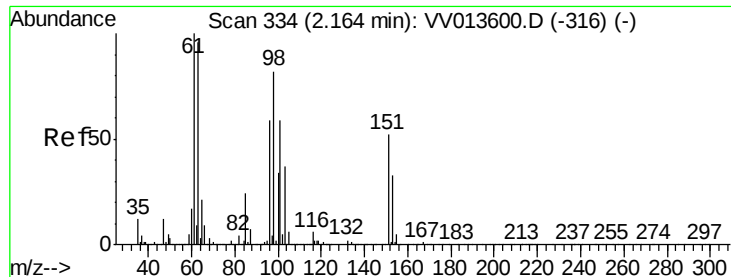
Tgt Ion: 101 Resp: 246948

Ion Ratio Lower Upper

101 100

103 63.7 52.6 78.8





#10

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

Concen: 5.572 ug/L

RT: 2.15 min Scan# 330

Delta R.T. -0.01 min

Lab File: VV013597.D

Acq: 13 Nov 2019 09:00

Instrument :

MSVOA_V

ClientSampleId :

VSTDCCC005

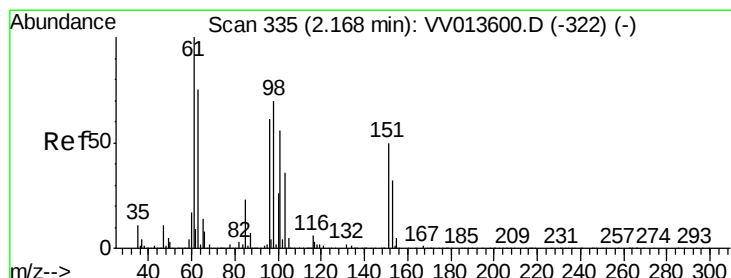
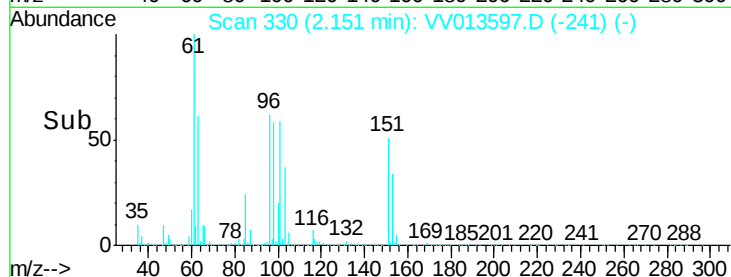
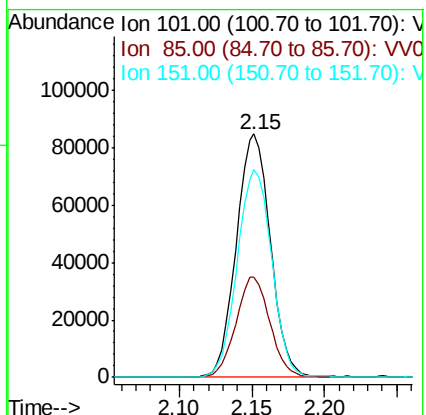
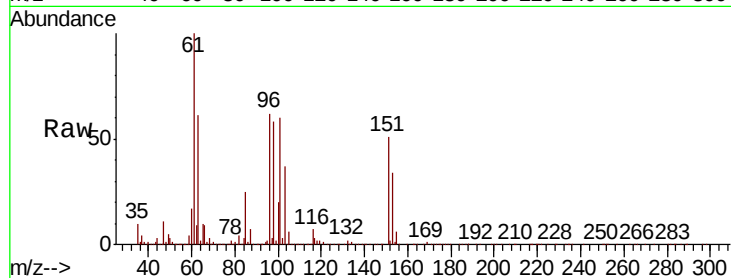
Tot Ion:101 Resp: 137903

Ion Ratio Lower Upper

101 100

85 41.1 33.1 49.7

151 87.3 69.5 104.3



#12

1,1-Dichloroethene

Concen: 5.433 ug/L

RT: 2.15 min Scan# 331

Delta R.T. -0.01 min

Lab File: VV013597.D

Acq: 13 Nov 2019 09:00

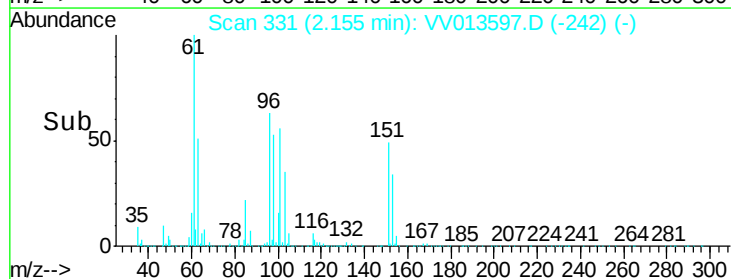
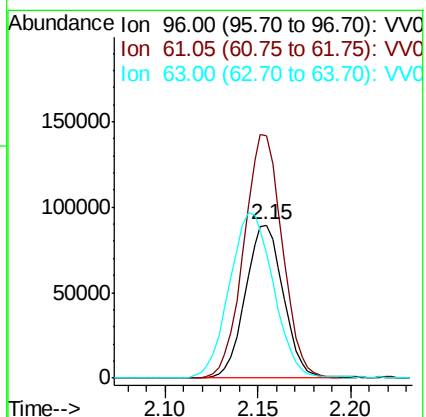
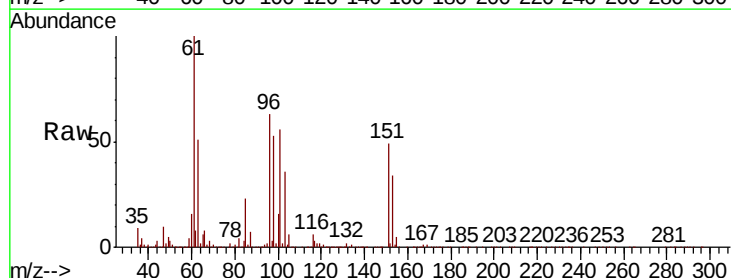
Tgt Ion: 96 Resp: 126826

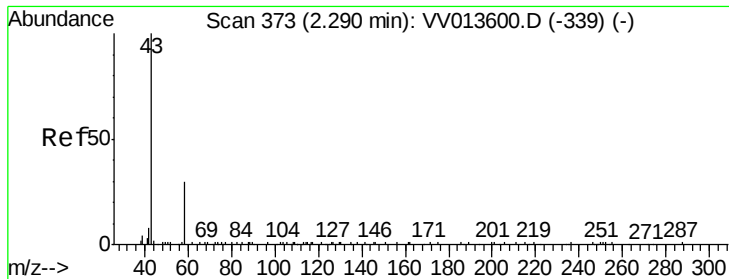
Ion Ratio Lower Upper

96 100

61 158.3 115.6 214.6

63 81.0 87.2 162.0#





#13

Acetone

Concen: 39.430 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.01 min

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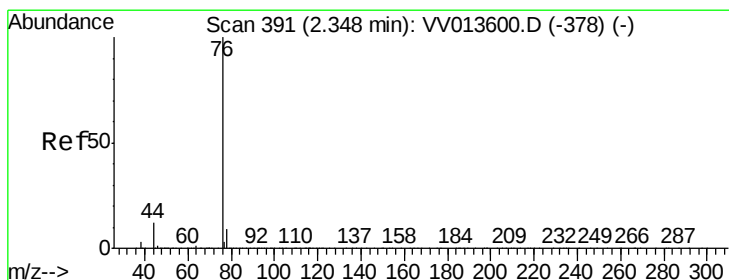
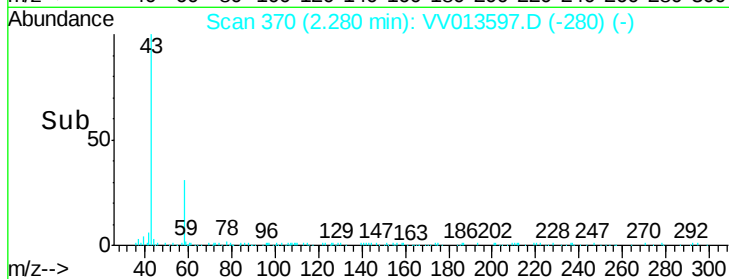
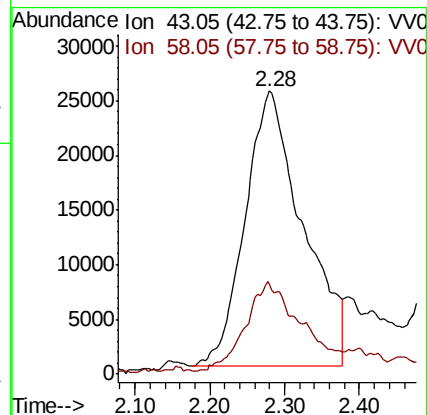
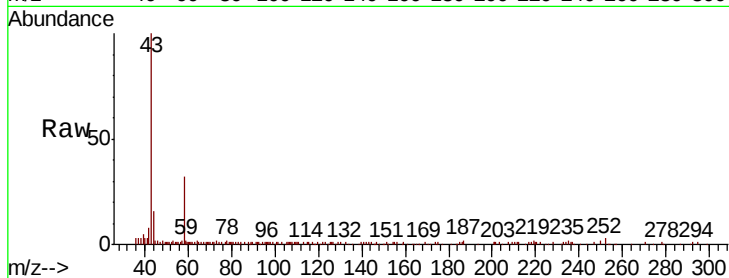
VSTDCCC005

Tot Ion: 43 Resp: 135781

Ion Ratio Lower Upper

43 100

58 31.7 0.0 28.8#



#14

Carbon disulfide

Concen: 5.134 ug/L

RT: 2.33 min Scan# 386

Delta R.T. -0.02 min

Lab File: VV013597.D

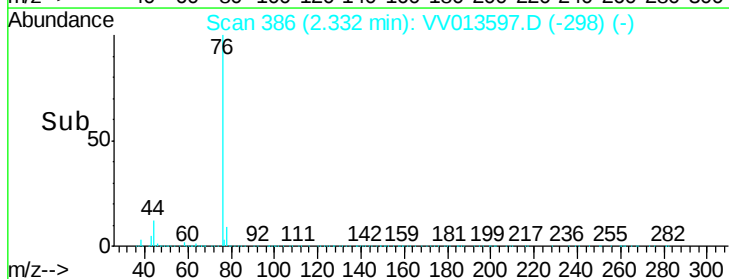
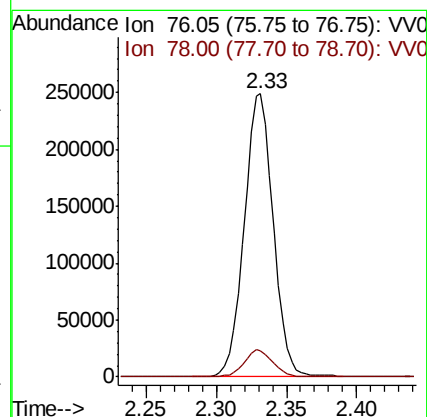
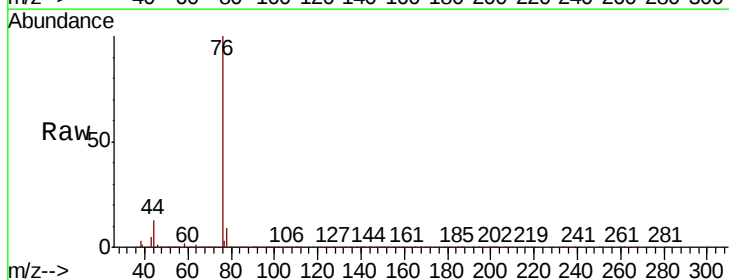
Acq: 13 Nov 2019 09:00

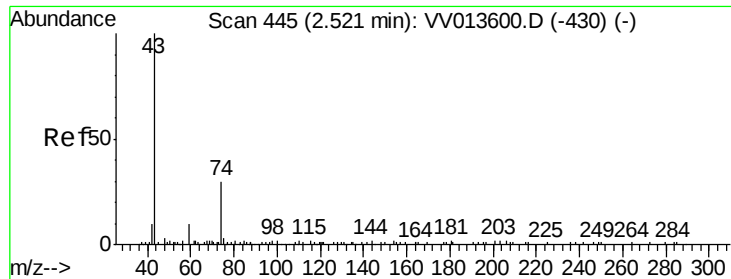
Tgt Ion: 76 Resp: 358623

Ion Ratio Lower Upper

76 100

78 9.3 7.0 10.6





#15

Methyl Acetate

Concen: 3.198 ug/L

RT: 2.51 min Scan# 440

Delta R.T. -0.02 min

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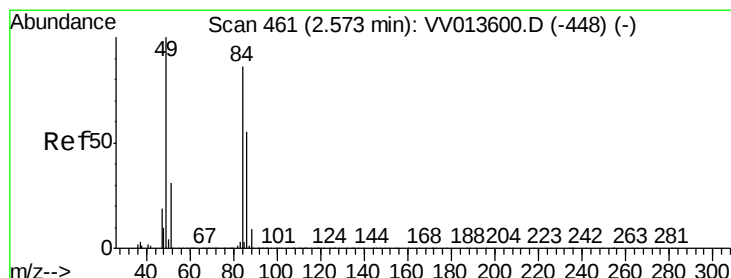
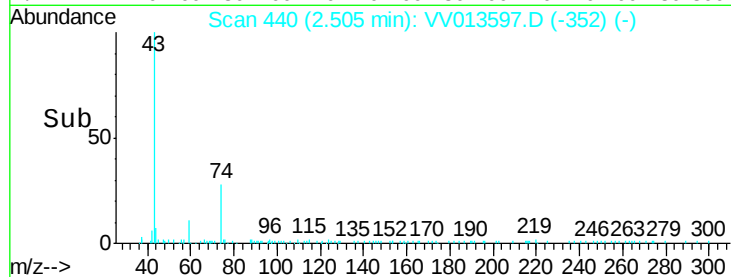
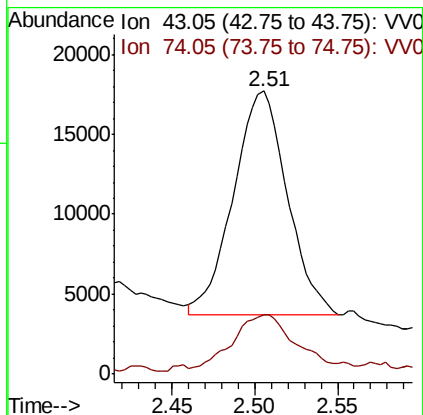
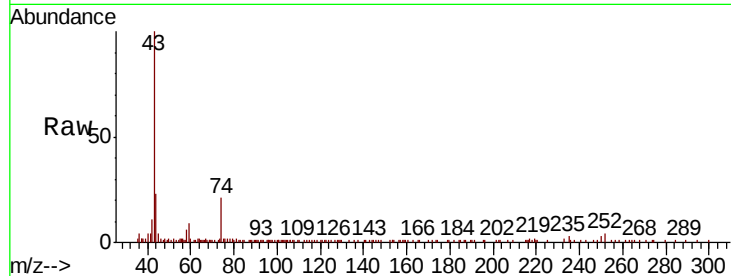
VSTDCCC005

Tot Ion: 43 Resp: 31789

Ion Ratio Lower Upper

43 100

74 30.7 21.9 32.9



#16

Methylene chloride

Concen: 4.464 ug/L

RT: 2.55 min Scan# 455

Delta R.T. -0.02 min

Lab File: VV013597.D

Acq: 13 Nov 2019 09:00

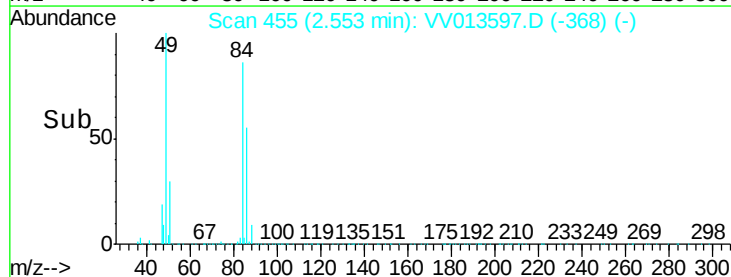
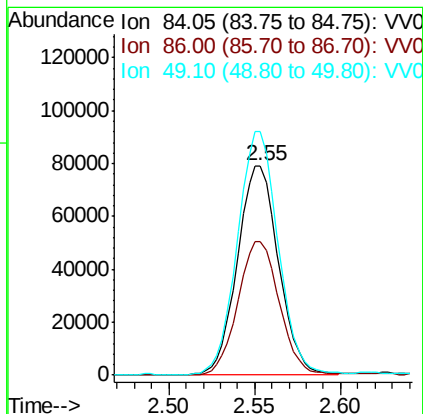
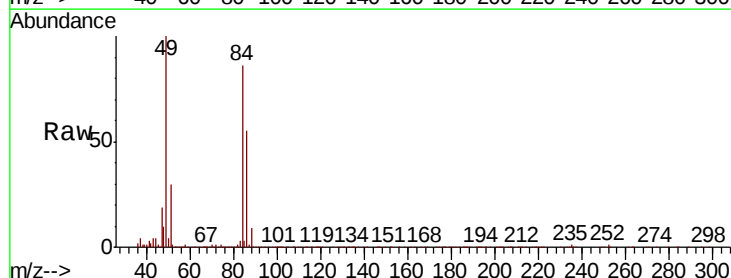
Tgt Ion: 84 Resp: 131911

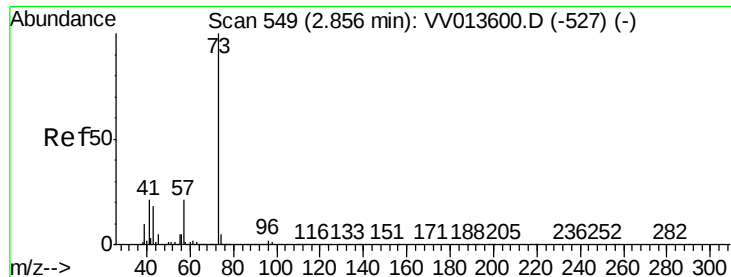
Ion Ratio Lower Upper

84 100

86 64.0 45.1 83.9

49 116.3 81.4 151.2

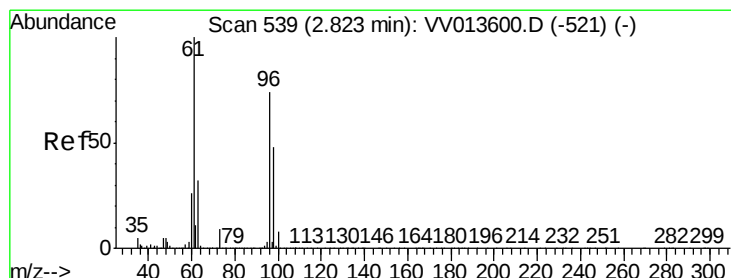
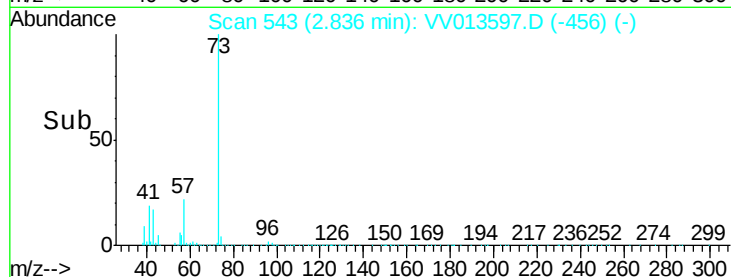
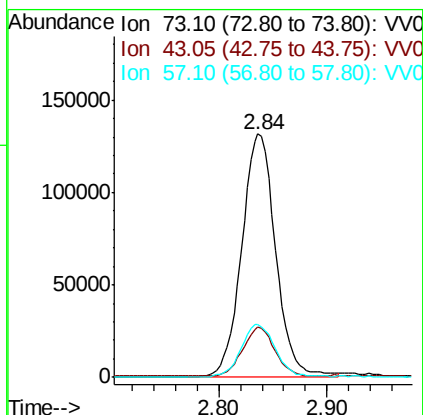
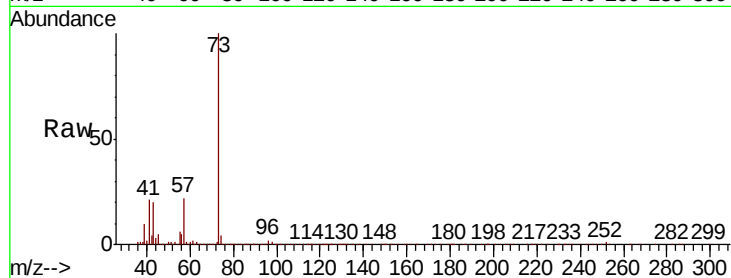




#17
Methvl tert-butvl Ether
Concen: 4.731 ug/L
RT: 2.84 min Scan# 543
Delta R.T. -0.02 min
Lab File: VV013597.D
Acq: 13 Nov 2019 09:00

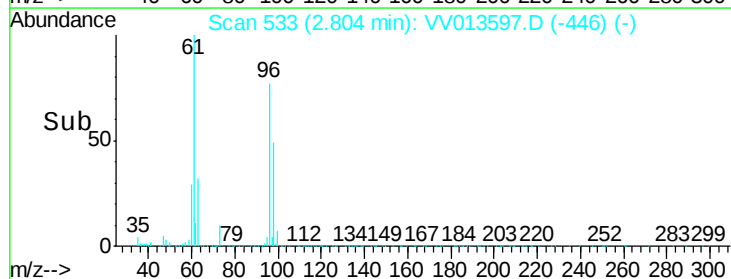
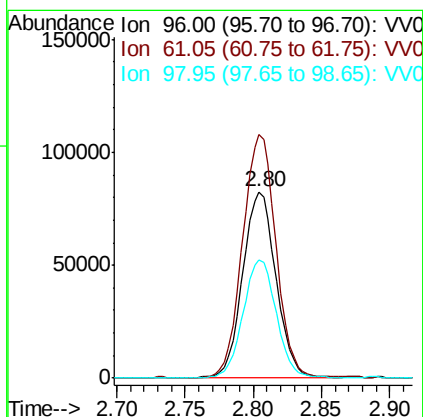
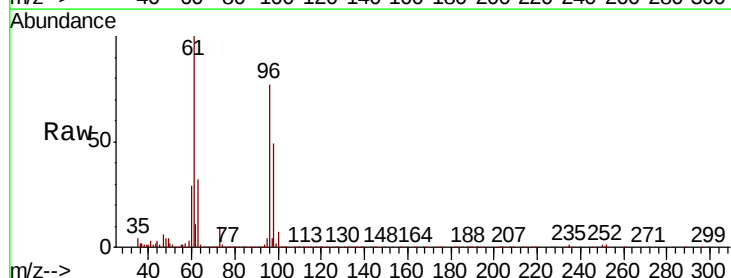
Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC005

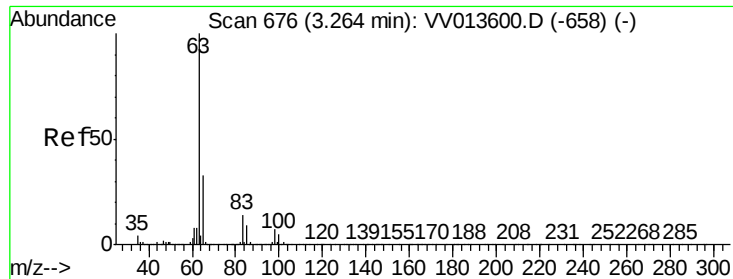
Tot Ion	Ratio	Lower	Upper
73	100		
43	18.8	14.8	22.2
57	21.8	16.3	24.5



#18
trans-1,2-Dichloroethene
Concen: 4.959 ug/L
RT: 2.80 min Scan# 533
Delta R.T. -0.02 min
Lab File: VV013597.D
Acq: 13 Nov 2019 09:00

Tgt Ion	Ratio	Lower	Upper
96	100		
61	130.4	95.2	176.8
98	63.6	46.1	85.7

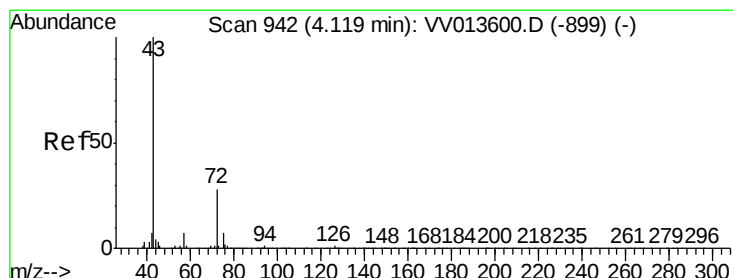
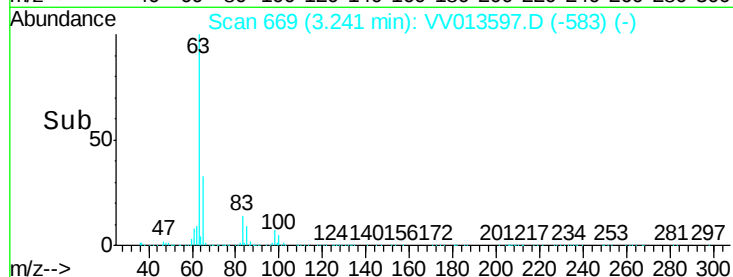
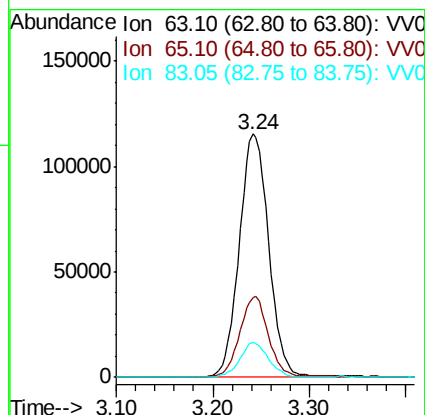
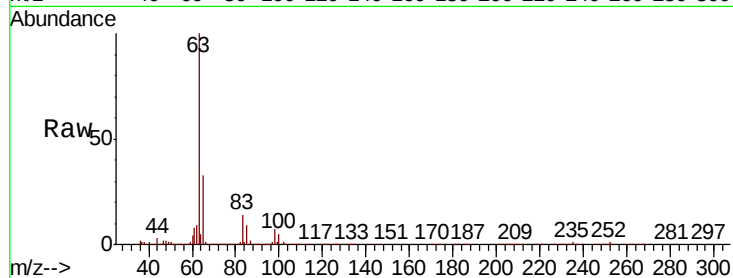




#19
 1,1-Dichloroethane
 Concen: 4.663 ug/L
 RT: 3.24 min Scan# 669
 Delta R.T. -0.02 min
 Lab File: VV013597.D
 Acq: 13 Nov 2019 09:00

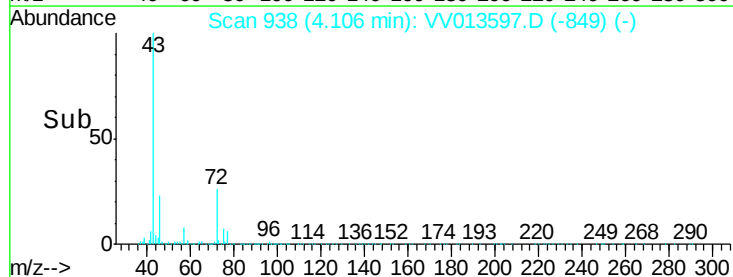
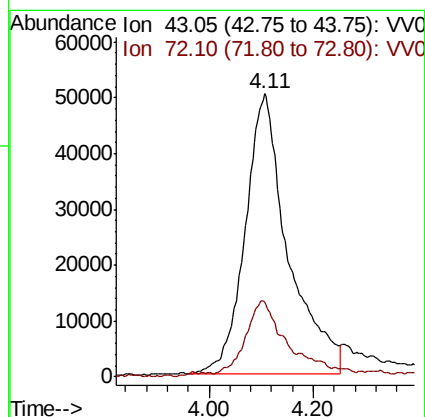
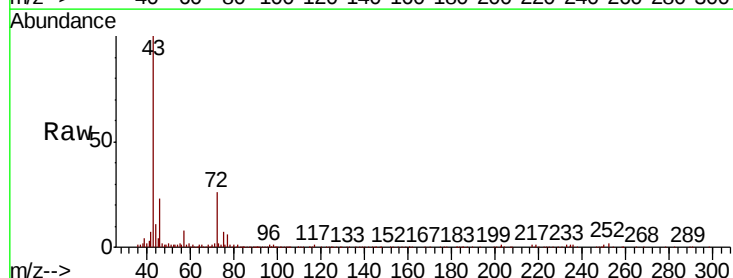
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDCCC005

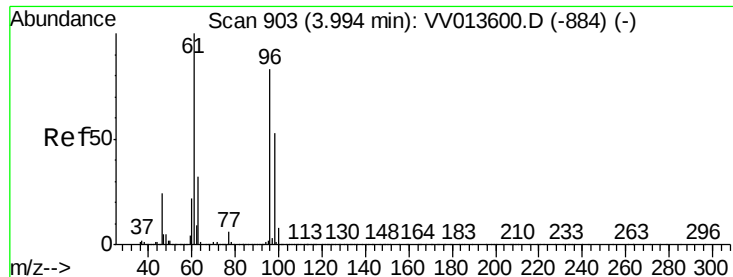
Tot Ion: 63 Resp: 243218
 Ion Ratio Lower Upper
 63 100
 65 32.7 23.4 43.4
 83 14.5 9.9 18.3



#21
 2-Butanone
 Concen: 46.360 ug/L
 RT: 4.11 min Scan# 938
 Delta R.T. -0.01 min
 Lab File: VV013597.D
 Acq: 13 Nov 2019 09:00

Tgt Ion: 43 Resp: 287395
 Ion Ratio Lower Upper
 43 100
 72 20.5 12.3 36.9



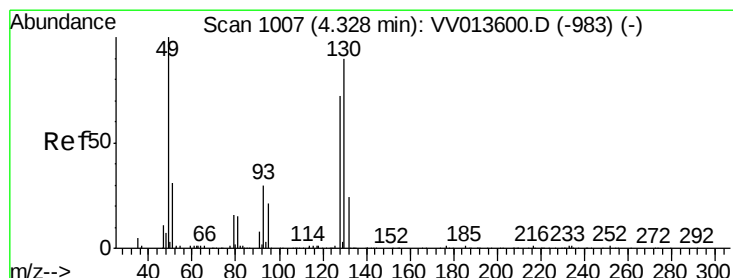
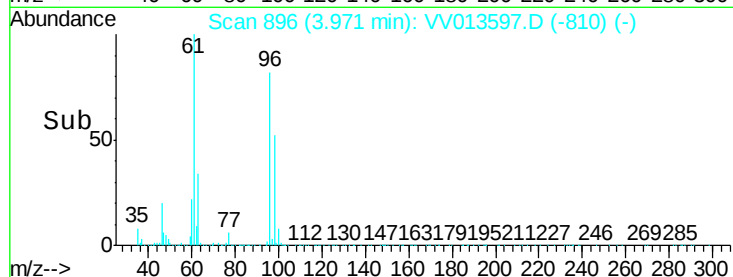
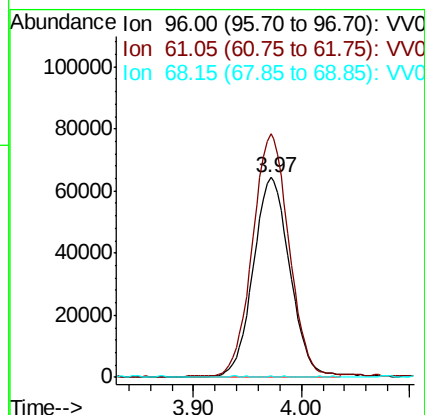
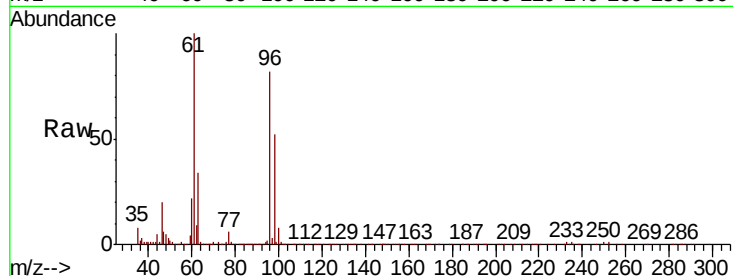


#22

cis-1,2-Dichloroethene
Concen: 5.126 ug/L
RT: 3.97 min Scan# 896
Delta R.T. -0.02 min
Lab File: VV013597.D
Acq: 13 Nov 2019 09:00

Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC005

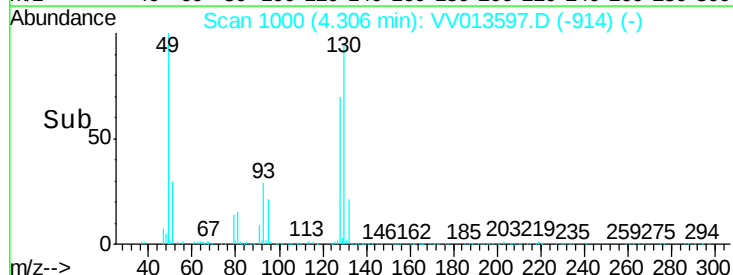
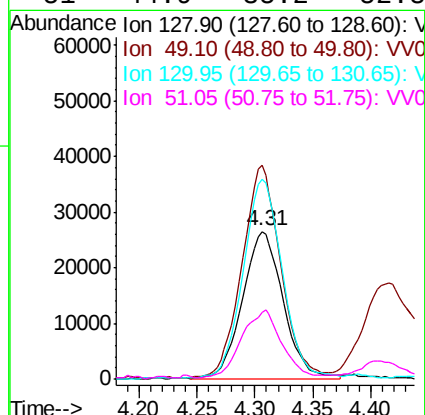
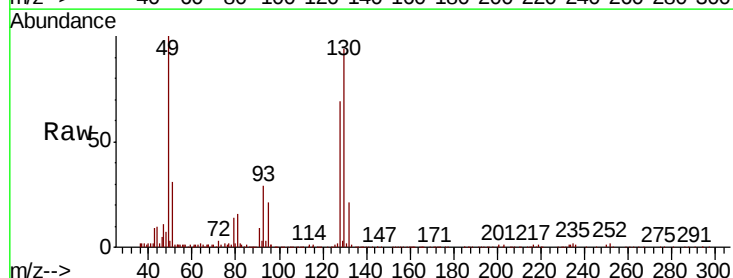
Tot Ion: 96 Resp: 151273
Ion Ratio Lower Upper
96 100
61 121.7 84.7 157.3
68 0.6 0.3 0.7

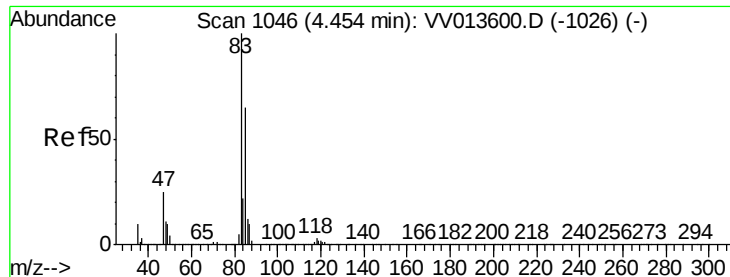


#23

Bromochloromethane
Concen: 4.711 ug/L
RT: 4.31 min Scan# 1000
Delta R.T. -0.02 min
Lab File: VV013597.D
Acq: 13 Nov 2019 09:00

Tgt Ion: 128 Resp: 63991
Ion Ratio Lower Upper
128 100
49 144.5 98.4 182.8
130 135.3 88.4 164.2
51 44.9 35.2 52.8





#25

Chloroform

Concen: 4.650 ug/L

RT: 4.43 min Scan# 1040

Delta R.T. -0.02 min

Lab File: VV013597.D

Acq: 13 Nov 2019 09:00

Instrument :

MSVOA_V

ClientSampleId :

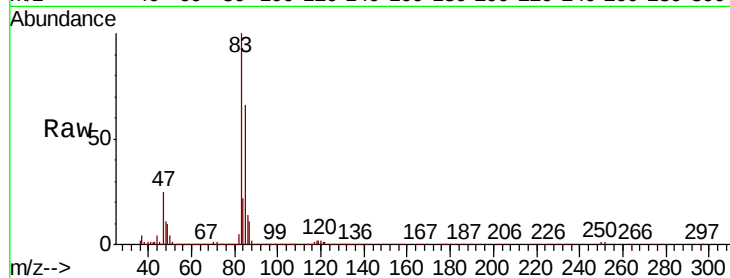
VSTDCCC005

Tot Ion: 83 Resp: 268413

Ion Ratio Lower Upper

83 100

85 65.8 45.5 84.5



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0

4.43

120000

100000

80000

60000

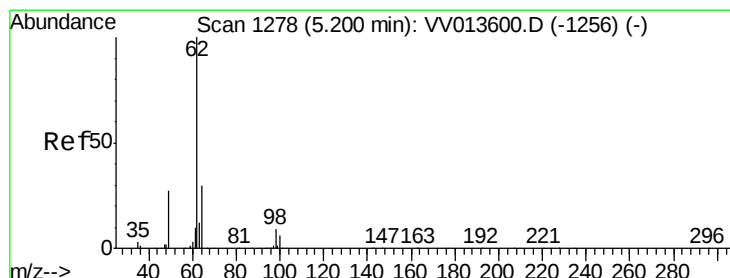
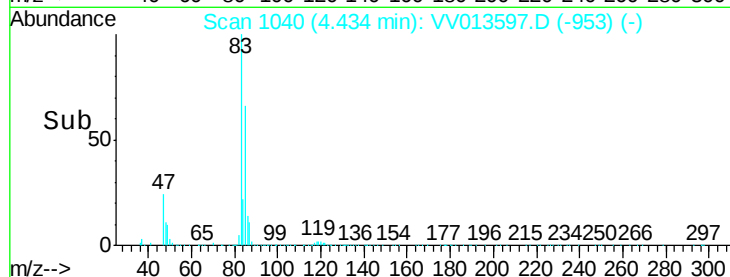
40000

20000

0

Time-->

4.35 4.40 4.45 4.50



#27

1,2-Dichloroethane

Concen: 5.634 ug/L

RT: 5.20 min Scan# 1277

Delta R.T. -0.00 min

Lab File: VV013597.D

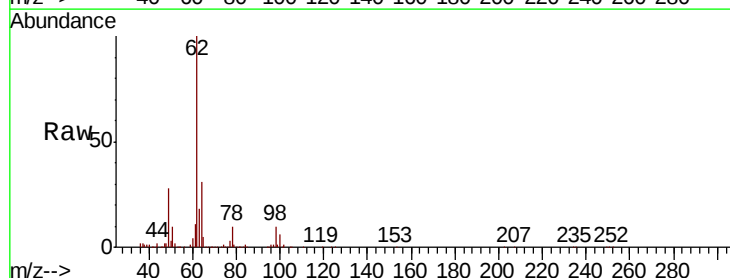
Acq: 13 Nov 2019 09:00

Tgt Ion: 62 Resp: 179606

Ion Ratio Lower Upper

62 100

98 9.9 7.4 11.2



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.05 (97.75 to 98.75): VV0

5.20

80000

60000

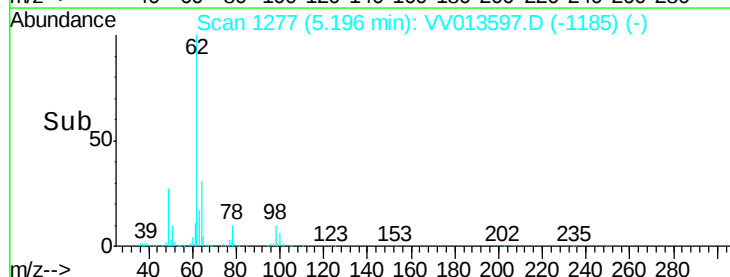
40000

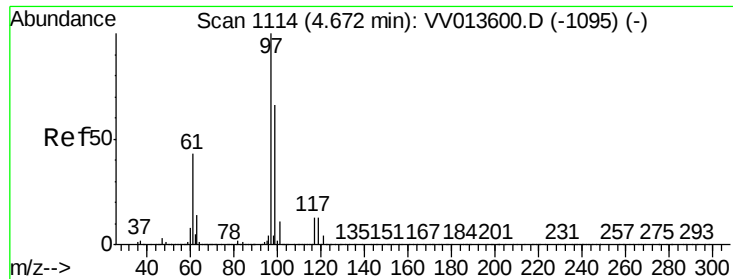
20000

0

Time-->

5.10 5.20 5.30

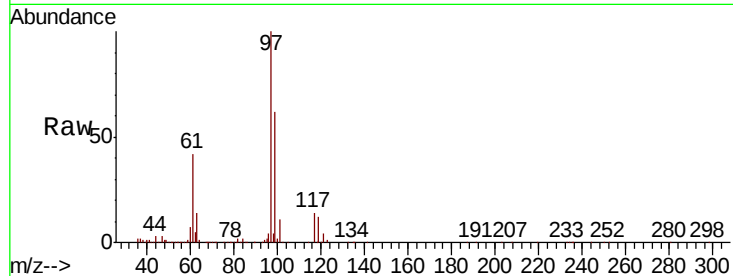




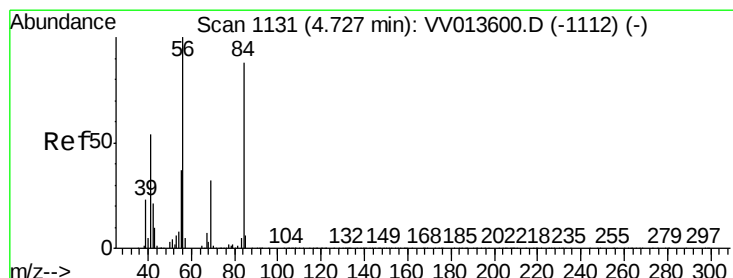
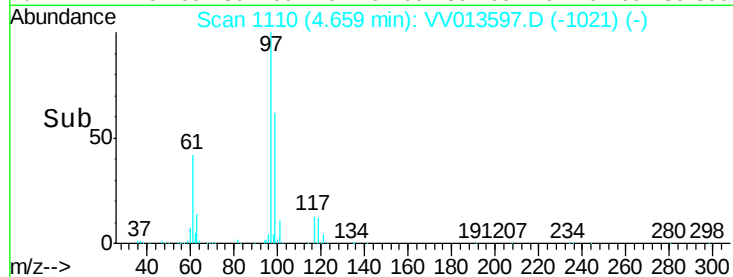
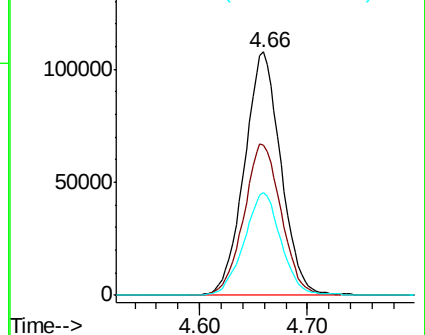
#29
 1,1,1-Trichloroethane
 Concen: 5.392 ug/L
 RT: 4.66 min Scan# 1110
 Delta R.T. -0.01 min
 Lab File: VV013597.D
 Acq: 13 Nov 2019 09:00

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDCCC005

Tot Ion	Ratio	Lower	Upper
97	100		
99	63.9	52.6	78.8
61	42.2	34.1	51.1

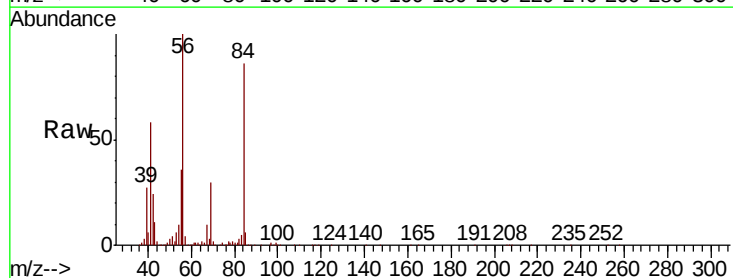


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

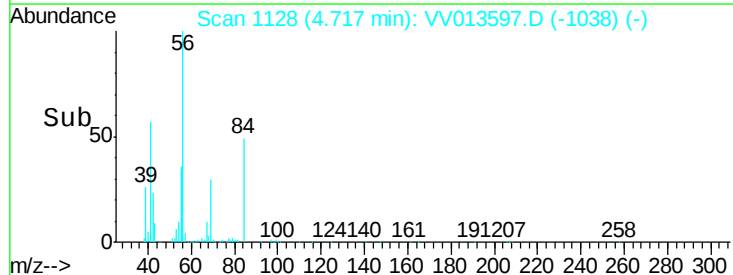
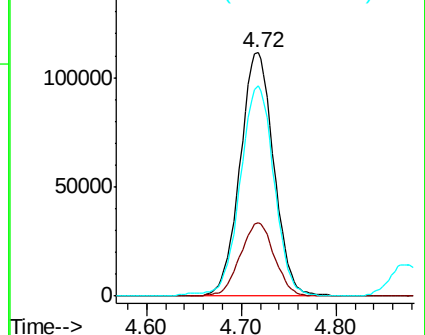


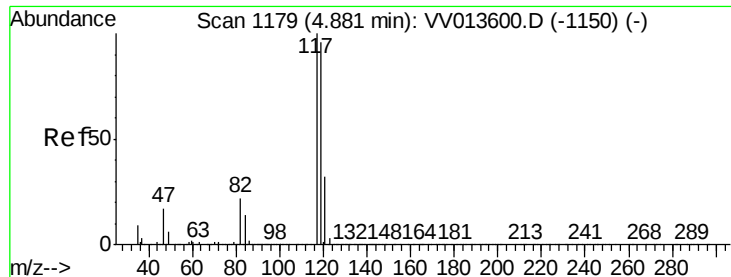
#30
 Cyclohexane
 Concen: 5.856 ug/L
 RT: 4.72 min Scan# 1128
 Delta R.T. -0.01 min
 Lab File: VV013597.D
 Acq: 13 Nov 2019 09:00

Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.3	25.0	37.4
84	87.5	75.5	113.3



Abundance Ion 56.10 (55.80 to 56.80): VV0
 Ion 69.15 (68.85 to 69.85): VV0
 Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 5.604 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.01 min

Lab File: VV013597.D

Acq: 13 Nov 2019 09:00

Instrument :

MSVOA_V

ClientSampleId :

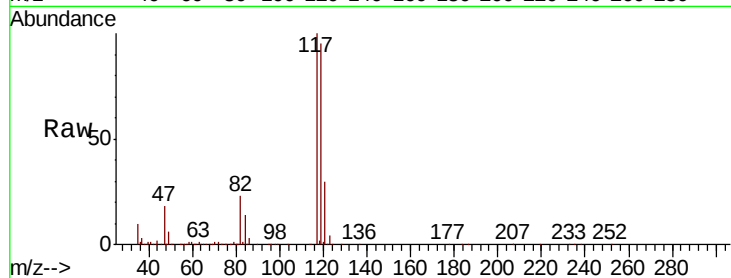
VSTDCCC005

Tot Ion:117 Resp: 236227

Ion Ratio Lower Upper

117 100

119 96.6 76.9 115.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.87

100000

80000

60000

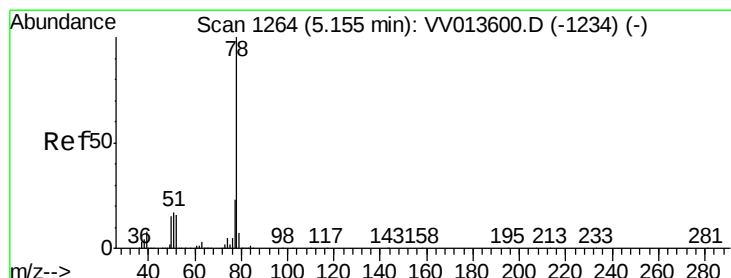
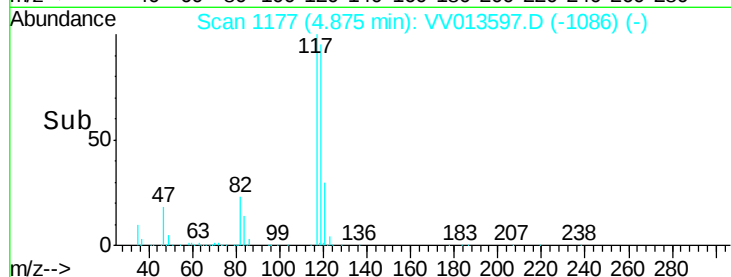
40000

20000

0

Time-->

4.80 4.90 5.00



#33

Benzene

Concen: 5.394 ug/L

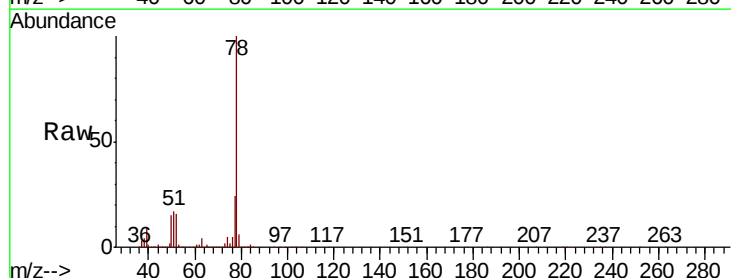
RT: 5.15 min Scan# 1263

Delta R.T. -0.00 min

Lab File: VV013597.D

Acq: 13 Nov 2019 09:00

Tgt Ion: 78 Resp: 653500



Abundance Ion 78.10 (77.80 to 78.80): VV0

5.15

300000

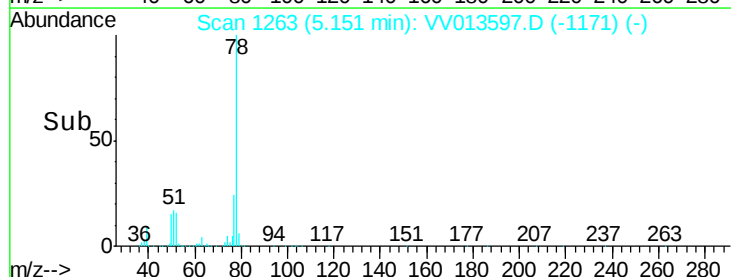
200000

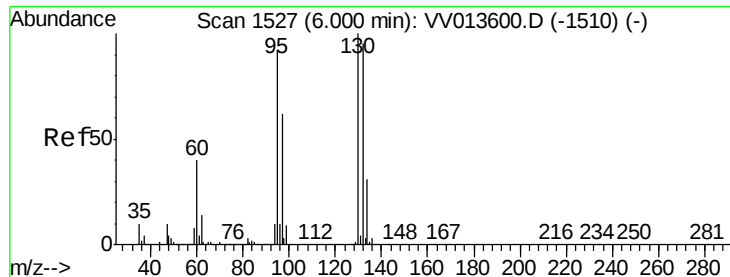
100000

0

Time-->

5.00 5.10 5.20 5.30





#34

Trichloroethene

Concen: 5.257 ug/L

RT: 6.00 min Scan# 1526

Delta R.T. -0.00 min

Lab File: VV013597.D

Acq: 13 Nov 2019 09:00

Instrument :

MSVOA_V

ClientSampleId :

VSTDCCC005

Tot Ion: 95 Resp: 170534

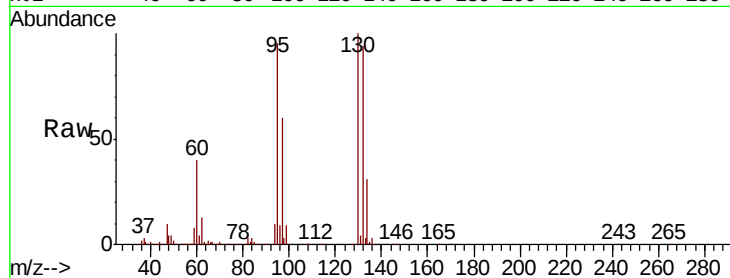
Ion Ratio Lower Upper

95 100

97 63.3 47.0 87.4

132 98.8 72.2 134.0

130 105.0 75.7 140.7

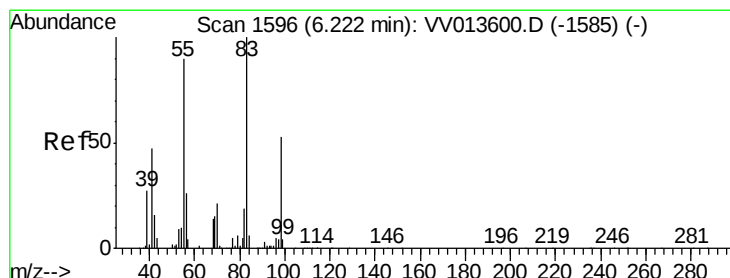
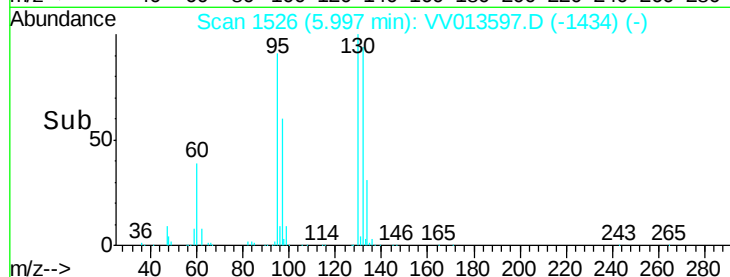
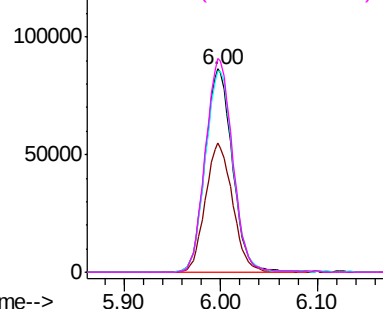


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 5.214 ug/L

RT: 6.21 min Scan# 1592

Delta R.T. -0.01 min

Lab File: VV013597.D

Acq: 13 Nov 2019 09:00

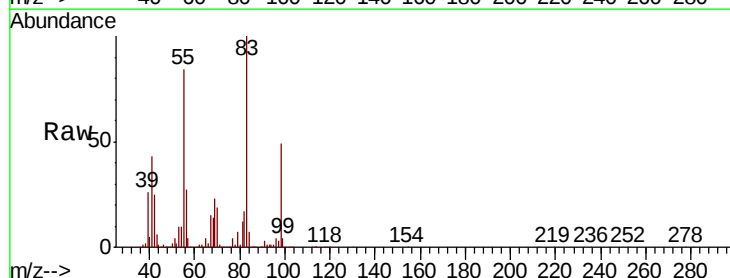
Tgt Ion: 83 Resp: 254171

Ion Ratio Lower Upper

83 100

55 82.2 67.0 100.4

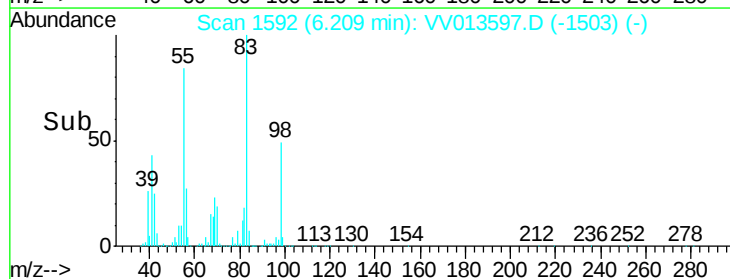
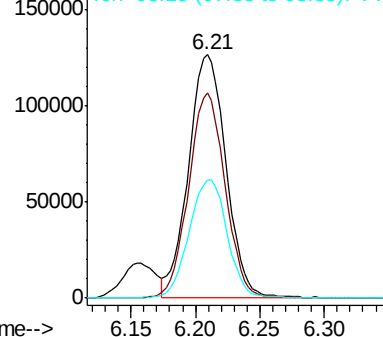
98 49.9 38.5 57.7

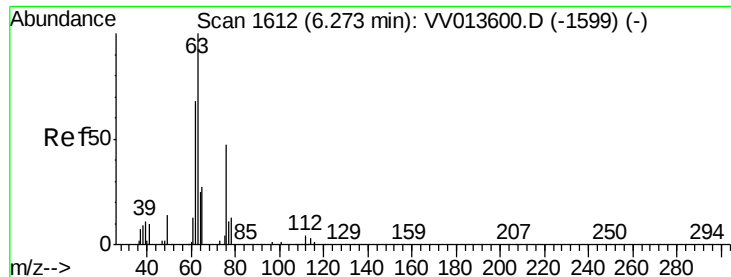


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 5.378 ug/L

RT: 6.26 min Scan# 1607

Delta R.T. -0.02 min

Lab File: VV013597.D

Acq: 13 Nov 2019 09:00

Instrument :

MSVOA_V

ClientSampleId :

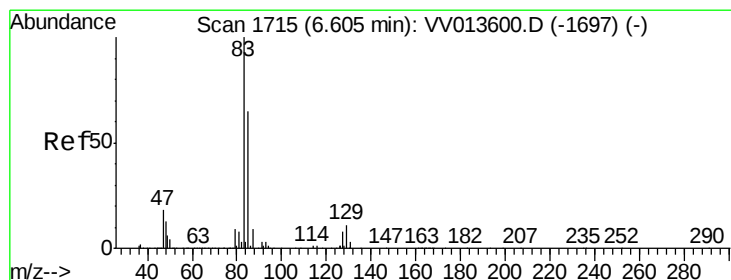
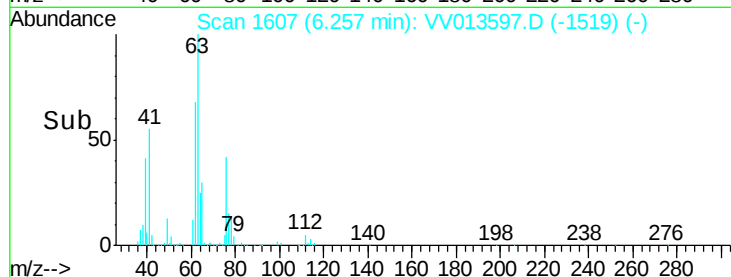
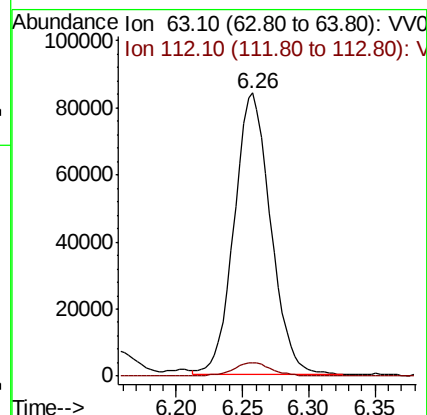
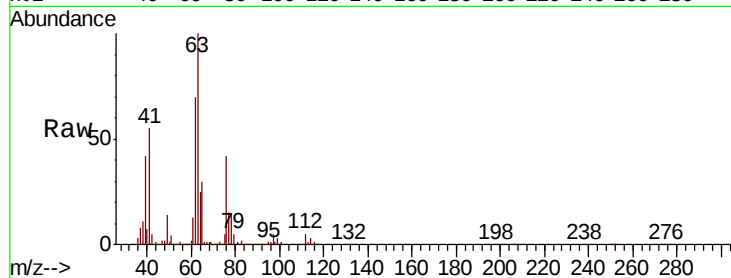
VSTDCCC005

Tot Ion: 63 Resp: 159591

Ion Ratio Lower Upper

63 100

112 5.3 0.2 0.2#



#38

Bromodichloromethane

Concen: 5.360 ug/L

RT: 6.59 min Scan# 1709

Delta R.T. -0.02 min

Lab File: VV013597.D

Acq: 13 Nov 2019 09:00

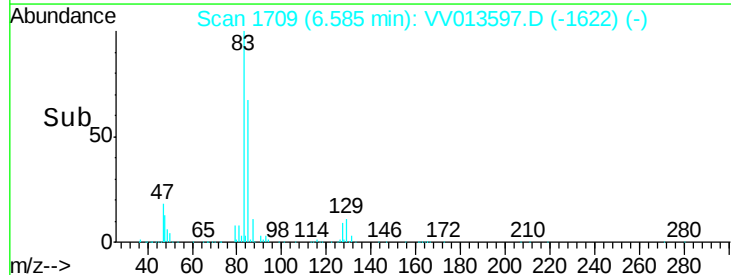
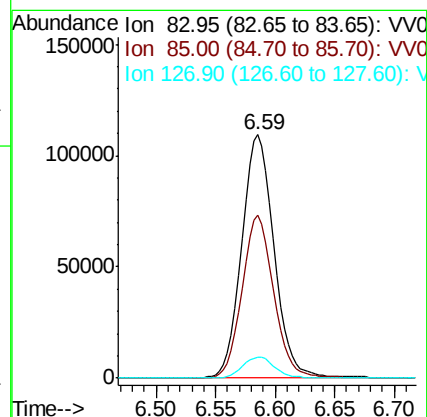
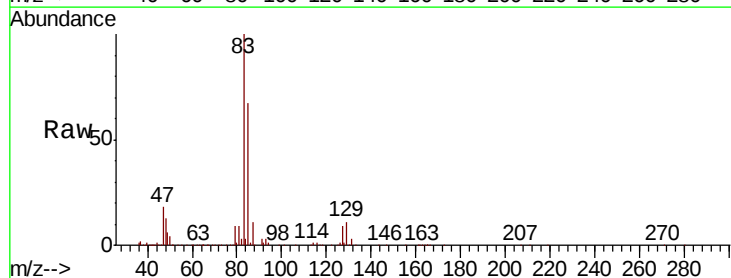
Tgt Ion: 83 Resp: 205832

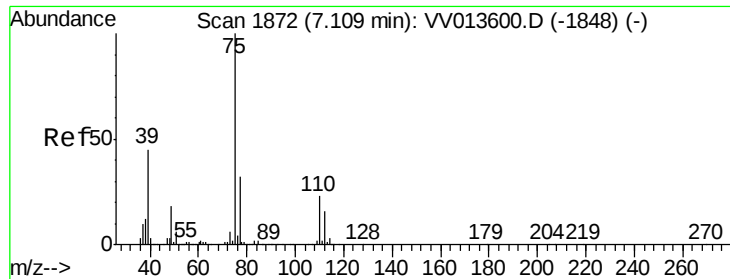
Ion Ratio Lower Upper

83 100

85 66.9 45.5 84.5

127 8.8 6.8 10.2

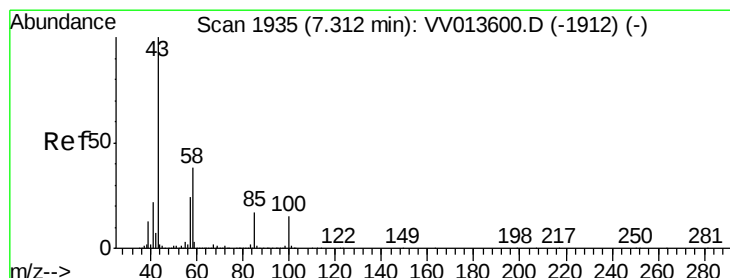
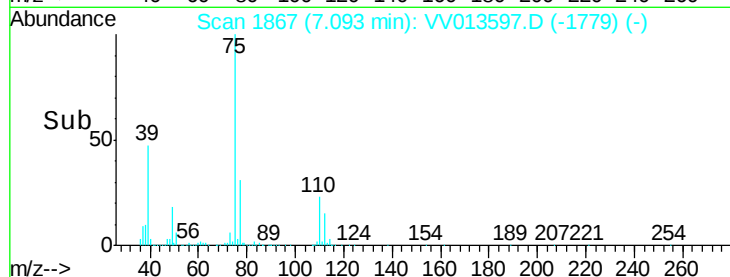
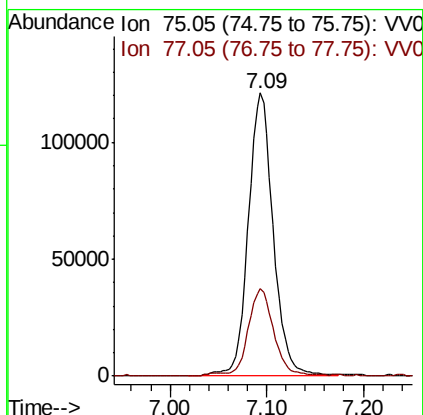
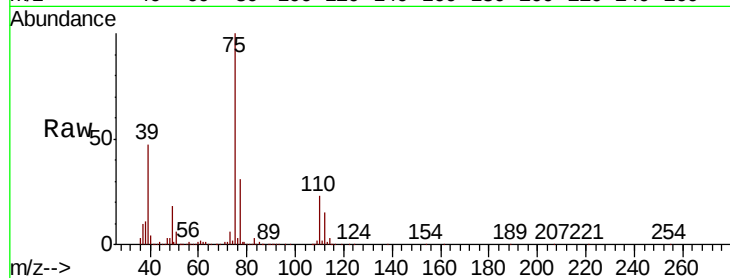




#39
 cis-1,3-Dichloropropene
 Concen: 5.309 ug/L
 RT: 7.09 min Scan# 1867
 Delta R.T. -0.02 min
 Lab File: VV013597.D
 Acq: 13 Nov 2019 09:00

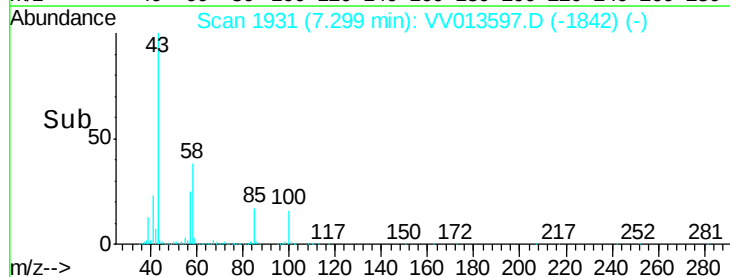
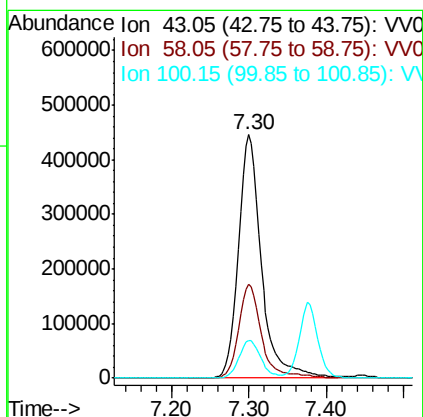
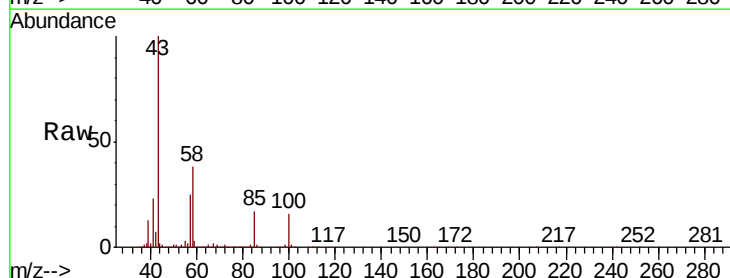
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDCCC005

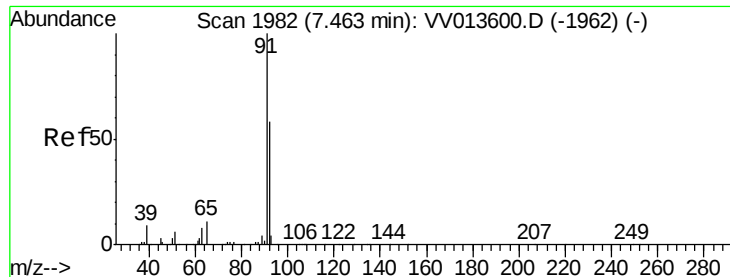
Tot Ion: 75 Resp: 217605
 Ion Ratio Lower Upper
 75 100
 77 30.8 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 54.072 ug/L
 RT: 7.30 min Scan# 1931
 Delta R.T. -0.01 min
 Lab File: VV013597.D
 Acq: 13 Nov 2019 09:00

Tgt Ion: 43 Resp: 909509
 Ion Ratio Lower Upper
 43 100
 58 38.5 30.6 45.8
 100 14.9 12.0 18.0





#42

Toluene

Concen: 5.555 ug/L

RT: 7.45 min Scan# 1977

Delta R.T. -0.02 min

Lab File: VV013597.D

Acq: 13 Nov 2019 09:00

Instrument :

MSVOA_V

ClientSampleId :

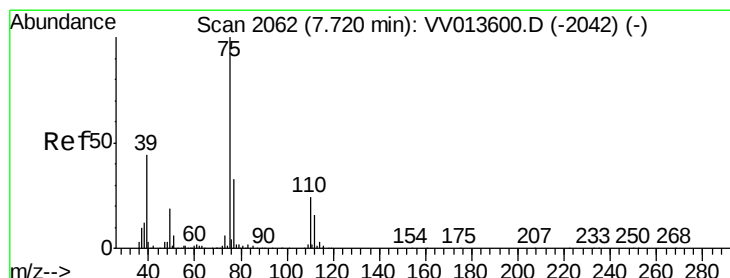
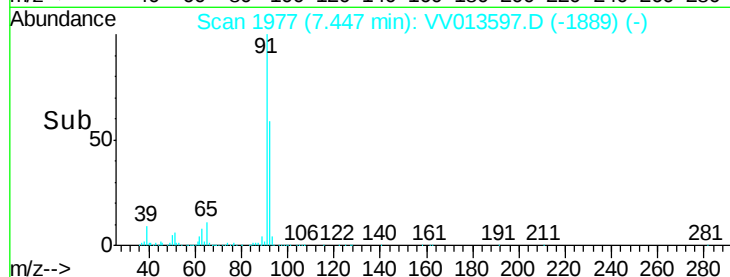
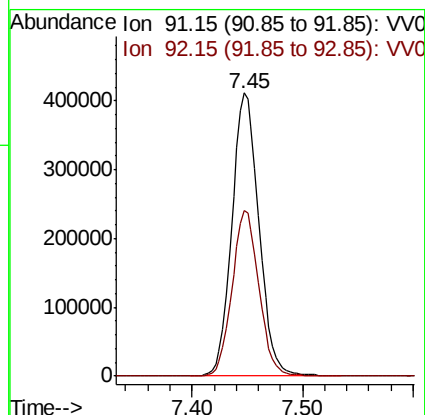
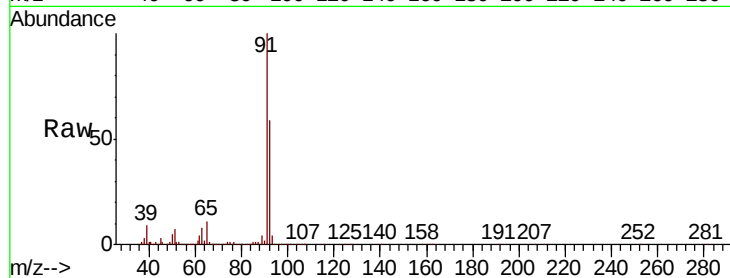
VSTDCCC005

Tot Ion: 91 Resp: 698932

Ion Ratio Lower Upper

91 100

92 58.7 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 5.269 ug/L

RT: 7.71 min Scan# 2058

Delta R.T. -0.01 min

Lab File: VV013597.D

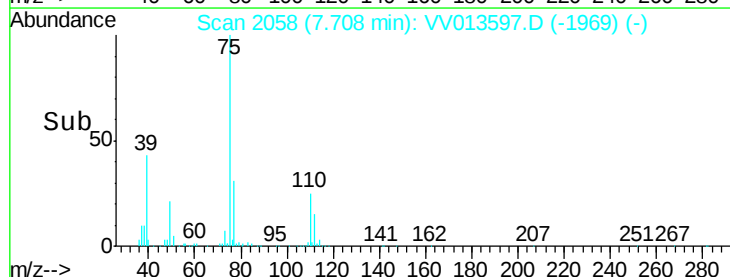
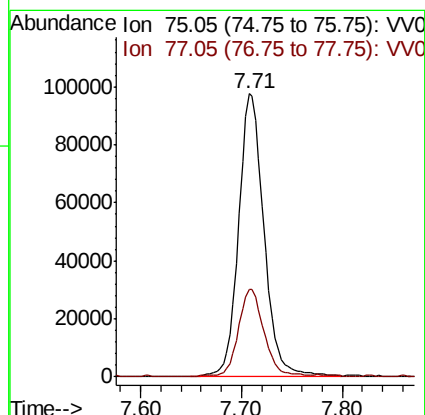
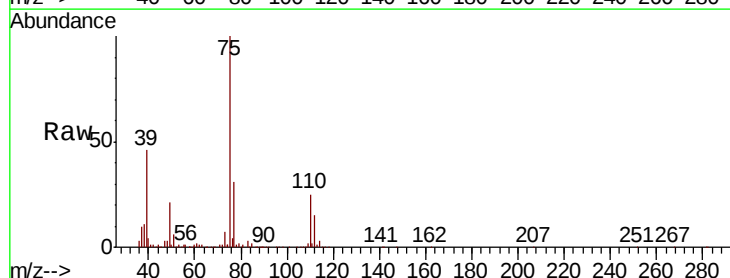
Acq: 13 Nov 2019 09:00

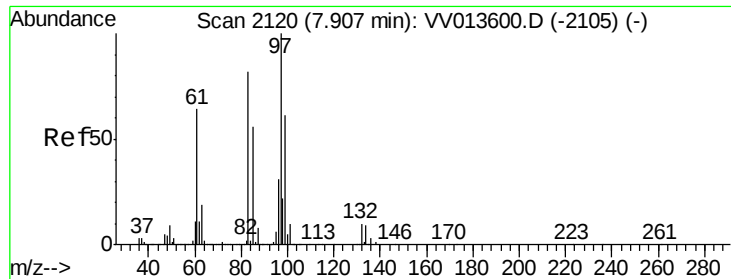
Tgt Ion: 75 Resp: 171347

Ion Ratio Lower Upper

75 100

77 30.9 23.2 43.0

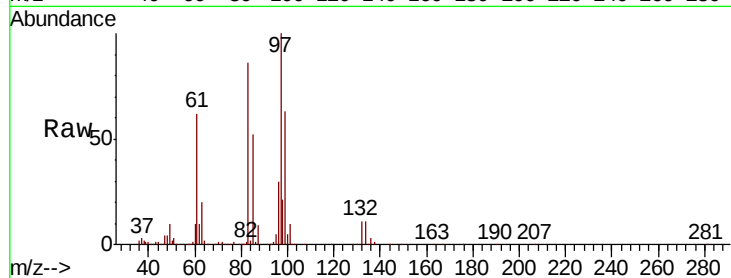




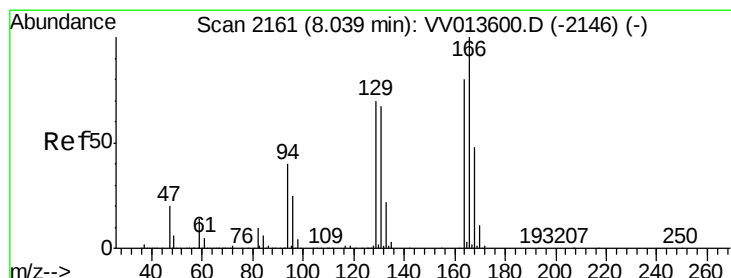
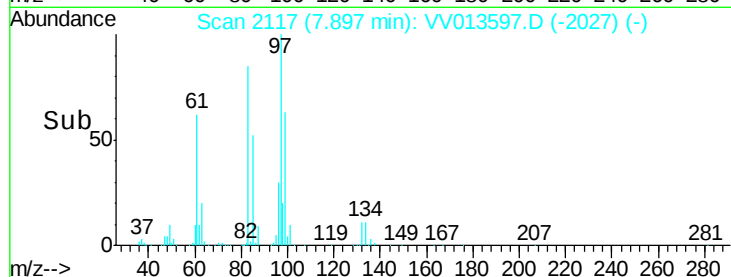
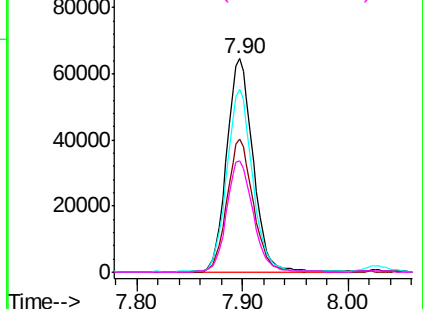
#45
 1,1,2-Trichloroethane
 Concen: 5.463 ug/L
 RT: 7.90 min Scan# 2117
 Delta R.T. -0.01 min
 Lab File: VV013597.D
 Acq: 13 Nov 2019 09:00

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDCCC005

Tot Ion:	97	Resp:	111743
Ion	Ratio	Lower	Upper
97	100		
99	62.5	42.5	78.9
83	85.6	57.2	106.2
85	52.0	39.1	72.7

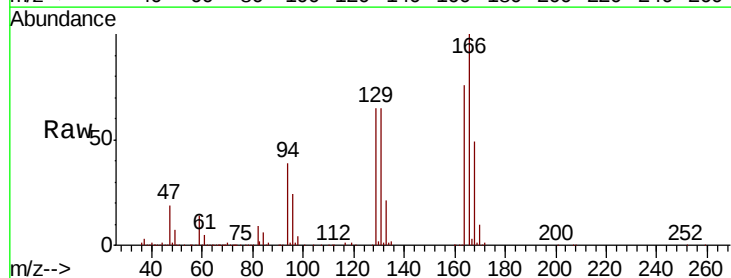


Abundance Ion 96.95 (96.65 to 97.65): VV013597.D (-2068) (-)
 Ion 99.05 (98.75 to 99.75): VV013597.D (-2068) (-)
 Ion 82.95 (82.65 to 83.65): VV013597.D (-2068) (-)
 Ion 85.00 (84.70 to 85.70): VV013597.D (-2068) (-)

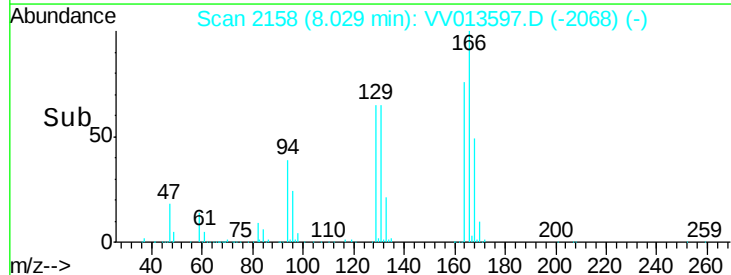
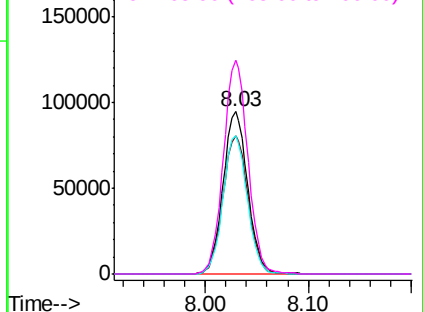


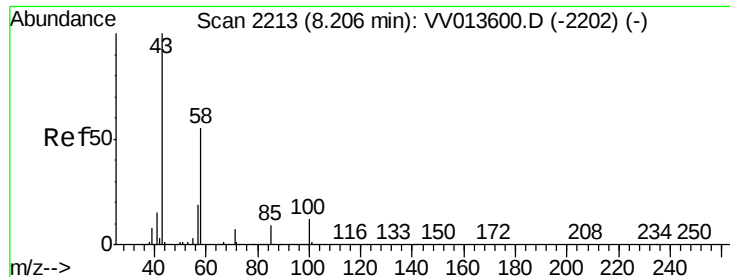
#47
 Tetrachloroethene
 Concen: 5.544 ug/L
 RT: 8.03 min Scan# 2158
 Delta R.T. -0.01 min
 Lab File: VV013597.D
 Acq: 13 Nov 2019 09:00

Tgt Ion:	164	Resp:	158159
Ion	Ratio	Lower	Upper
164	100		
129	85.0	61.6	114.4
131	85.4	59.0	109.6
166	131.7	87.9	163.3



Abundance Ion 163.90 (163.60 to 164.60): VV013597.D (-2068) (-)
 Ion 128.95 (128.65 to 129.65): VV013597.D (-2068) (-)
 Ion 130.95 (130.65 to 131.65): VV013597.D (-2068) (-)
 Ion 165.90 (165.60 to 166.60): VV013597.D (-2068) (-)

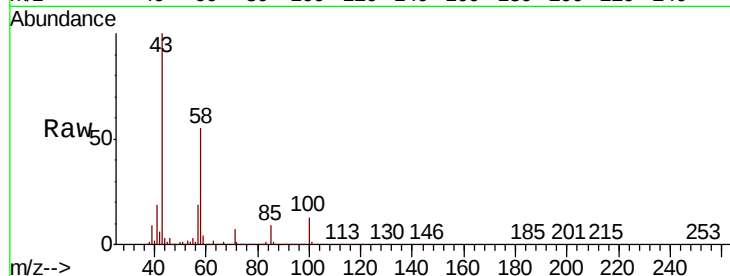




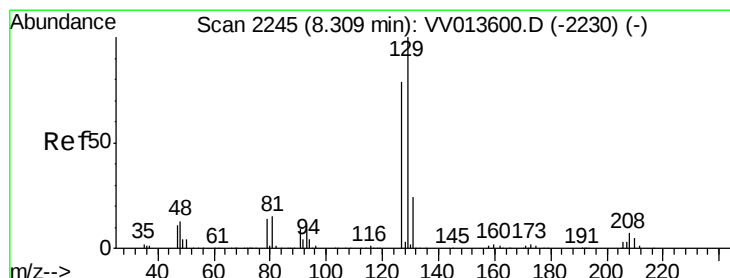
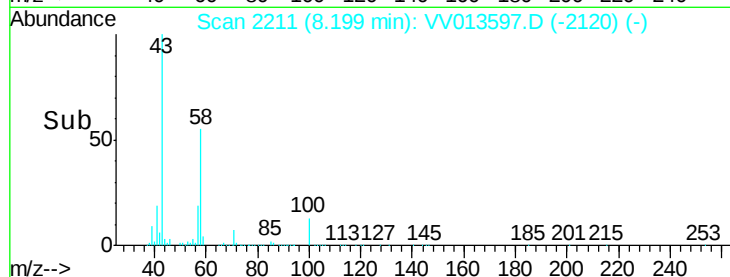
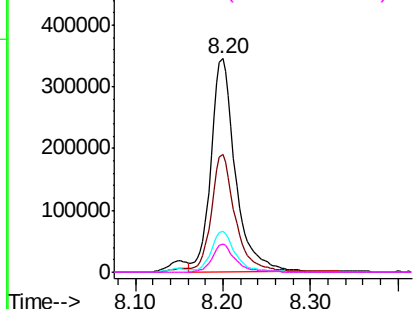
#48
2-Hexanone
Concen: 55.806 ug/L
RT: 8.20 min Scan# 2211
Delta R.T. -0.01 min
Lab File: VV013597.D
Acq: 13 Nov 2019 09:00

Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC005

Tot Ion: 43 Resp: 672786
Ion Ratio Lower Upper
43 100
58 55.8 45.1 67.7
57 19.0 14.6 21.8
100 12.7 10.2 15.2

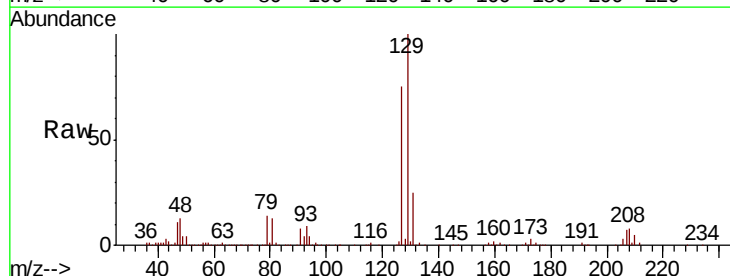


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

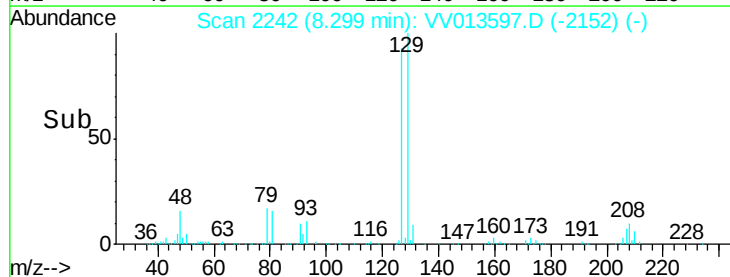
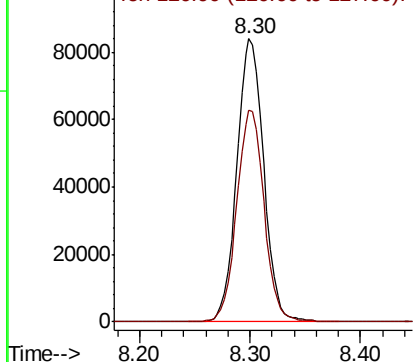


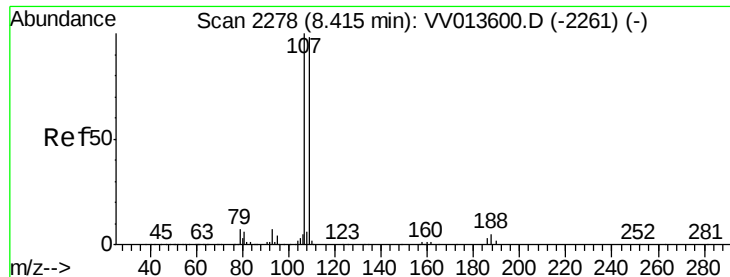
#49
Dibromochloromethane
Concen: 5.559 ug/L
RT: 8.30 min Scan# 2242
Delta R.T. -0.01 min
Lab File: VV013597.D
Acq: 13 Nov 2019 09:00

Tgt Ion: 129 Resp: 141981
Ion Ratio Lower Upper
129 100
127 74.8 55.5 103.1



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

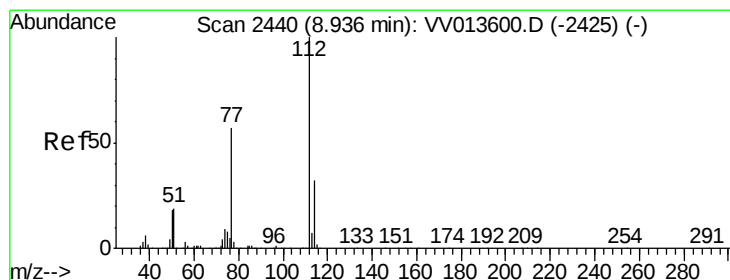
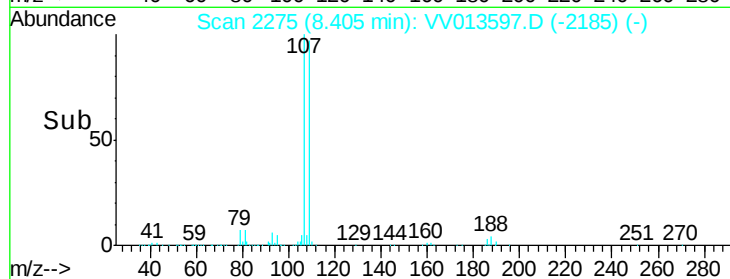
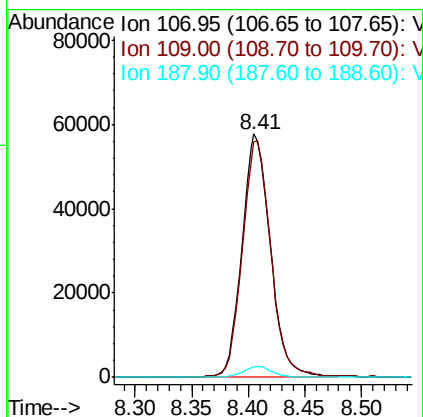
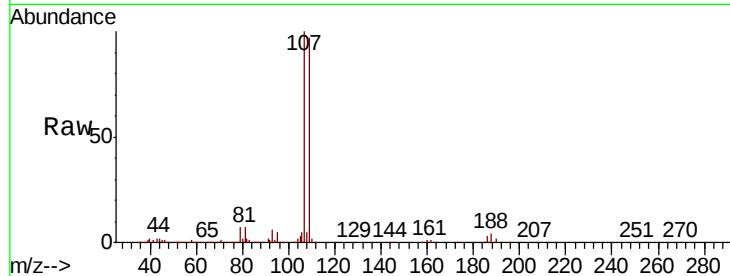




#50
1,2-Dibromoethane
Concen: 5.306 ug/L
RT: 8.41 min Scan# 2275
Delta R.T. -0.01 min
Lab File: VV013597.D
Acq: 13 Nov 2019 09:00

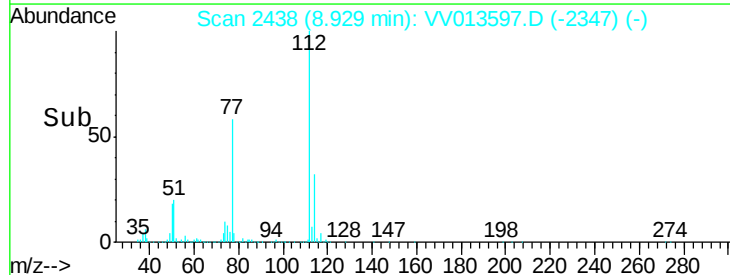
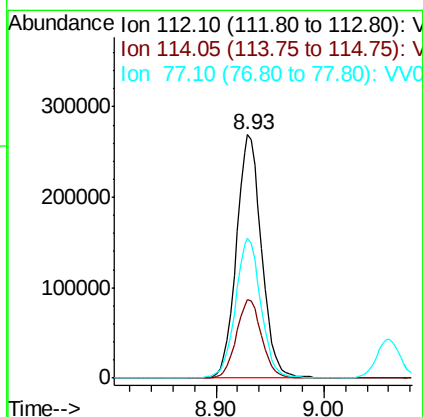
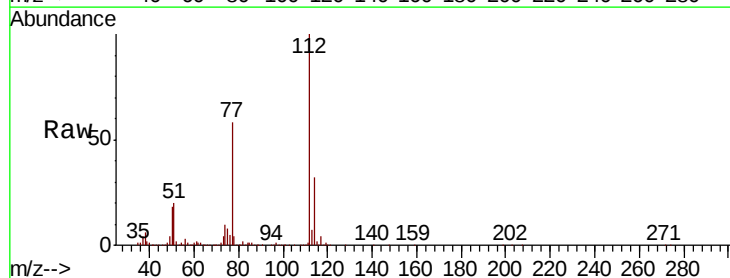
Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC005

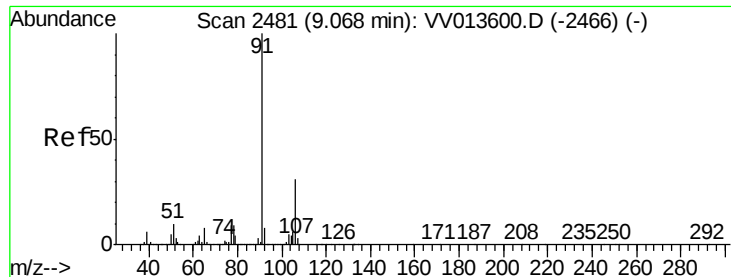
Tot Ion	Ratio	Lower	Upper
107	100		
109	96.8	69.0	128.2
188	4.3	3.8	5.6



#51
Chlorobenzene
Concen: 5.271 ug/L
RT: 8.93 min Scan# 2438
Delta R.T. -0.01 min
Lab File: VV013597.D
Acq: 13 Nov 2019 09:00

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.3	22.3	41.5
77	57.7	46.0	69.0





#52

Ethylbenzene

Concen: 5.378 ug/L

RT: 9.06 min Scan# 2479

Delta R.T. -0.01 min

Lab File: VV013597.D

Acq: 13 Nov 2019 09:00

Instrument :

MSVOA_V

ClientSampleId :

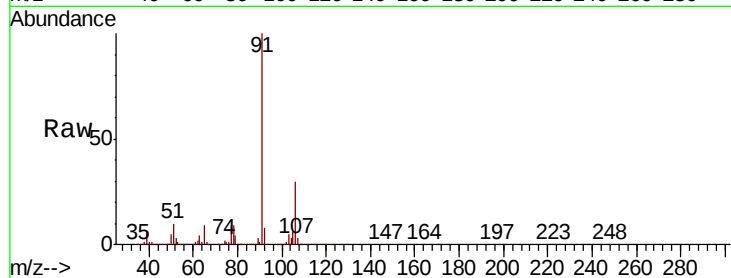
VSTDCCC005

Tot Ion: 91 Resp: 719618

Ion Ratio Lower Upper

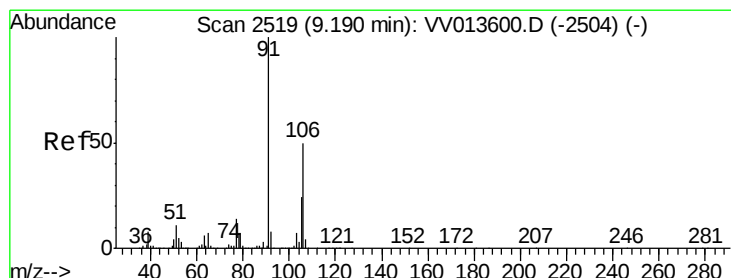
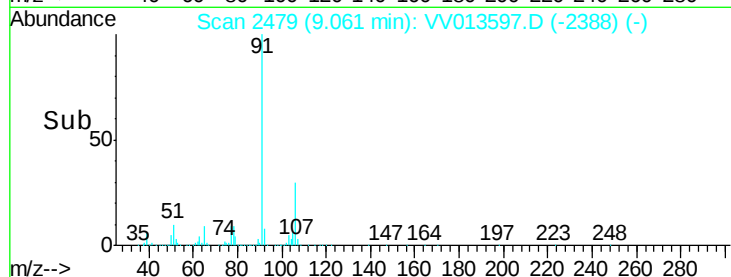
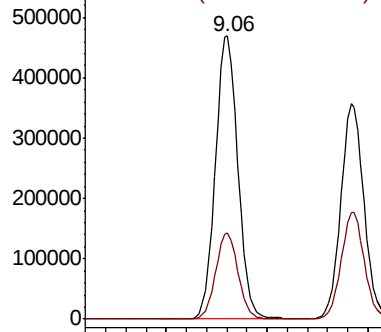
91 100

106 30.4 21.7 40.3



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 106.15 (105.85 to 106.85): V



#53

m,p-xylene

Concen: 5.661 ug/L

RT: 9.19 min Scan# 2518

Delta R.T. -0.00 min

Lab File: VV013597.D

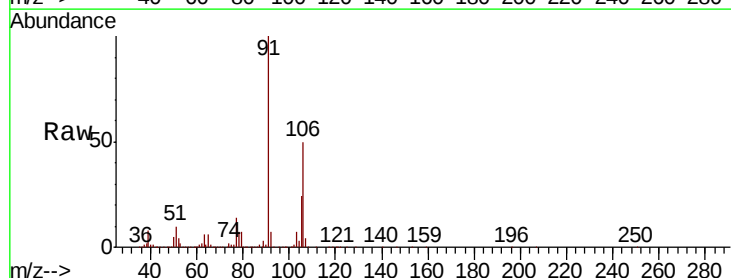
Acq: 13 Nov 2019 09:00

Tgt Ion: 106 Resp: 283936

Ion Ratio Lower Upper

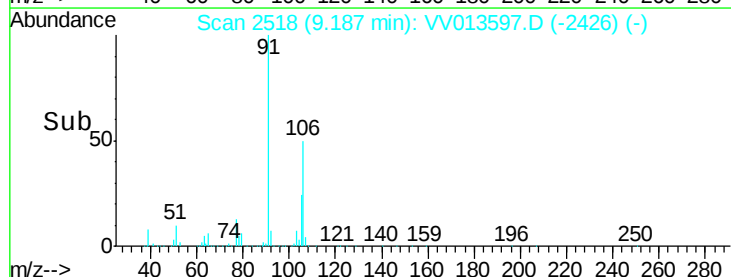
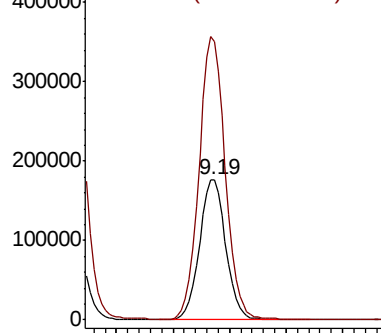
106 100

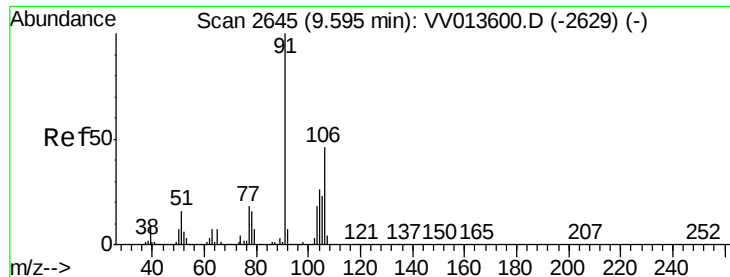
91 198.2 139.9 259.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0





#54

o-xylene

Concen: 5.471 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. -0.01 min

Lab File: VV013597.D

Acq: 13 Nov 2019 09:00

Instrument :

MSVOA_V

ClientSampleId :

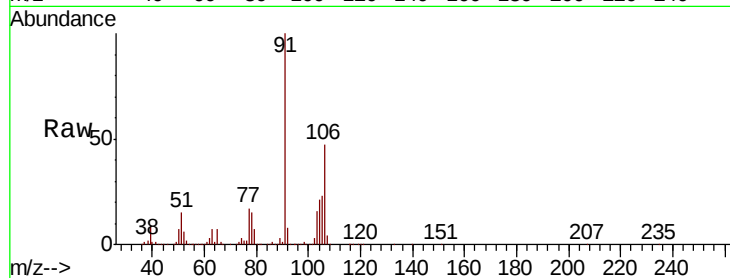
VSTDCCC005

Tot Ion:106 Resp: 261933

Ion Ratio Lower Upper

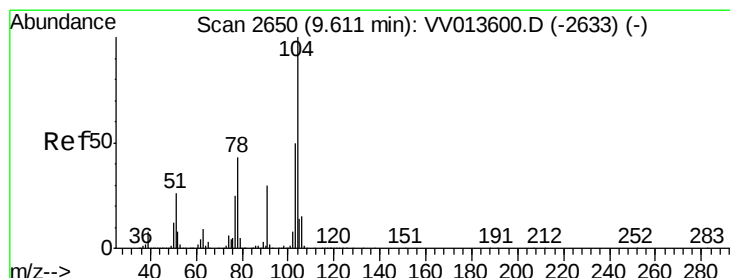
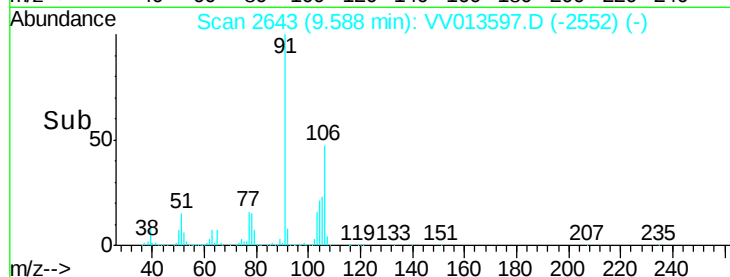
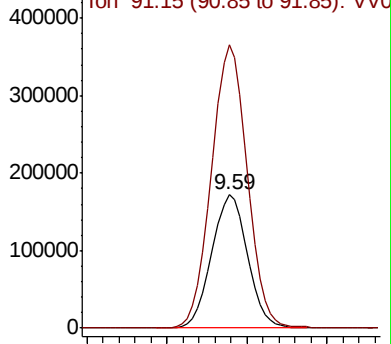
106 100

91 212.6 152.7 283.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.732 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. -0.01 min

Lab File: VV013597.D

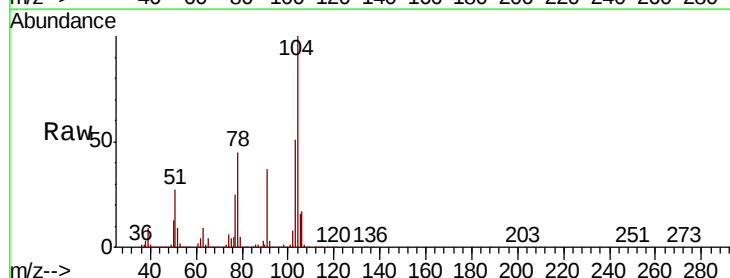
Acq: 13 Nov 2019 09:00

Tgt Ion:104 Resp: 469108

Ion Ratio Lower Upper

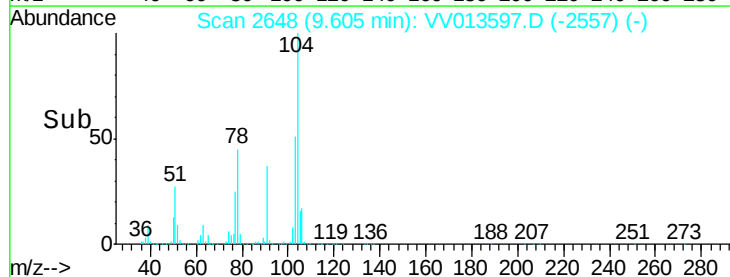
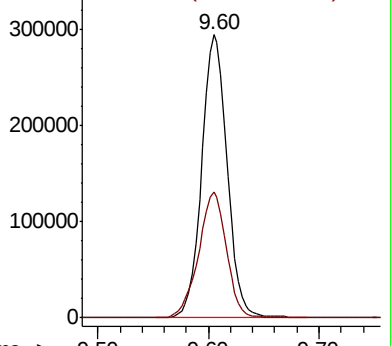
104 100

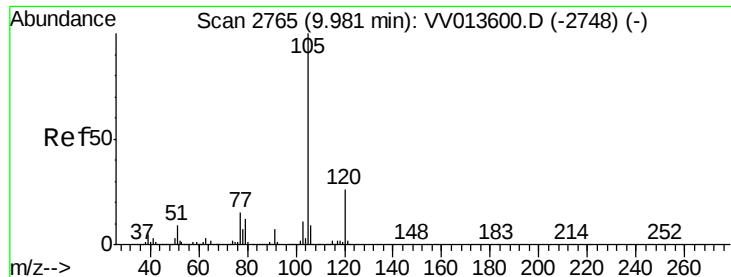
78 44.6 30.3 56.3



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.517 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.01 min

Lab File: VV013597.D

Acq: 13 Nov 2019 09:00

Instrument :

MSVOA_V

ClientSampleId :

VSTDCCC005

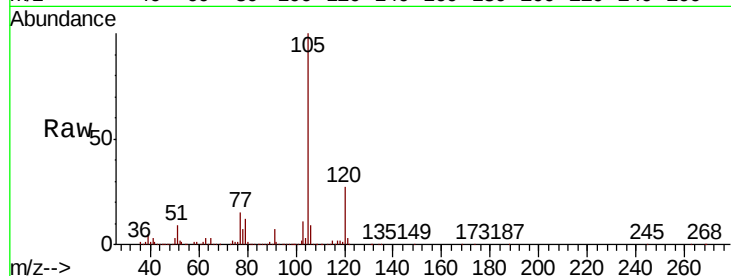
Tot Ion:105 Resp: 712563

Ion Ratio Lower Upper

105 100

120 26.9 20.8 31.2

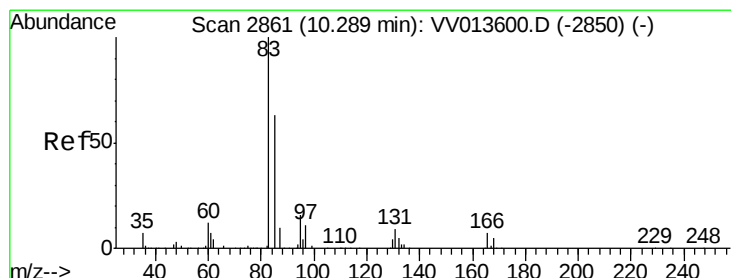
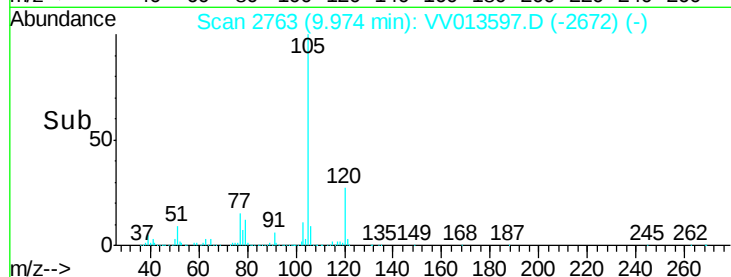
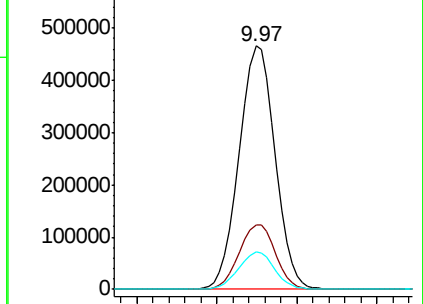
77 15.6 12.6 18.8



Abundance Ion 105.05 (104.75 to 105.75): VV013597.D (-2672) (-)

Ion 120.10 (119.80 to 120.80): VV013597.D (-2672) (-)

Ion 77.10 (76.80 to 77.80): VV013597.D (-2672) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 5.673 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VV013597.D

Acq: 13 Nov 2019 09:00

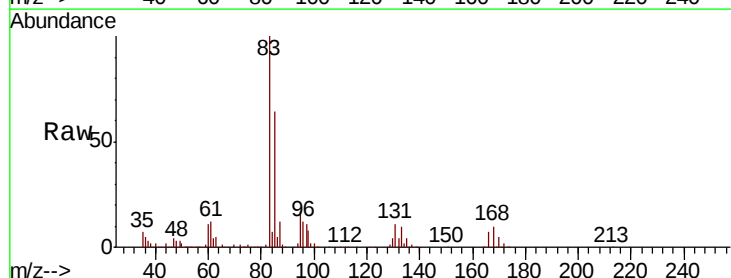
Tgt Ion: 83 Resp: 124728

Ion Ratio Lower Upper

83 100

85 63.7 45.2 84.0

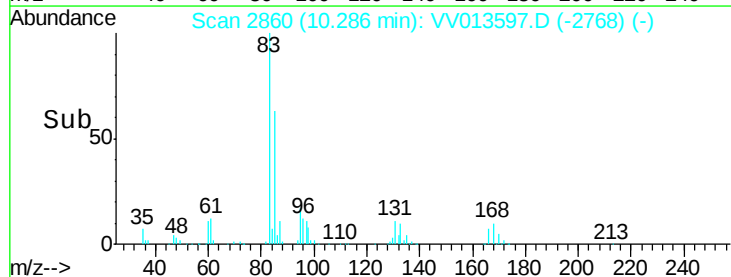
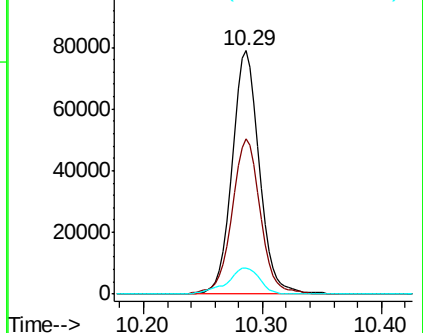
131 10.8 8.2 12.2

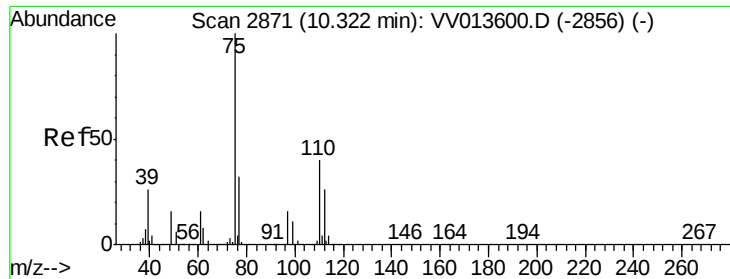


Abundance Ion 82.95 (82.65 to 83.65): VV013597.D (-2768) (-)

Ion 85.00 (84.70 to 85.70): VV013597.D (-2768) (-)

Ion 130.95 (130.65 to 131.65): VV013597.D (-2768) (-)





#59

1,2,3-Trichloropropane

Concen: 5.317 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VV013597.D

Acq: 13 Nov 2019 09:00

Instrument :

MSVOA_V

ClientSampleId :

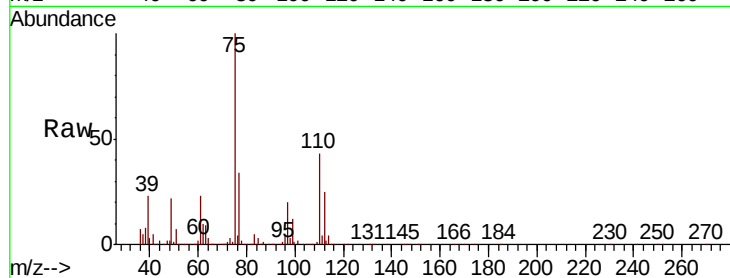
VSTDCCC005

Tot Ion: 75 Resp: 93805

Ion Ratio Lower Upper

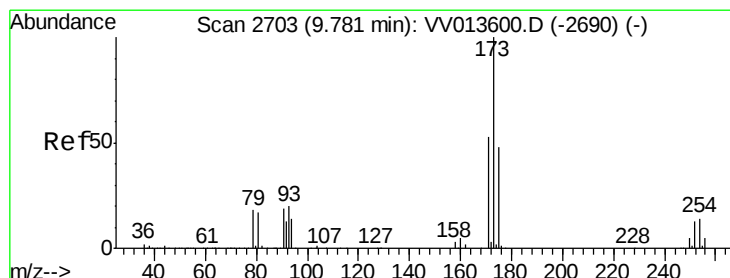
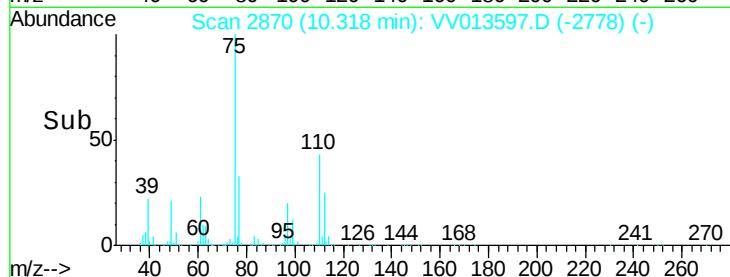
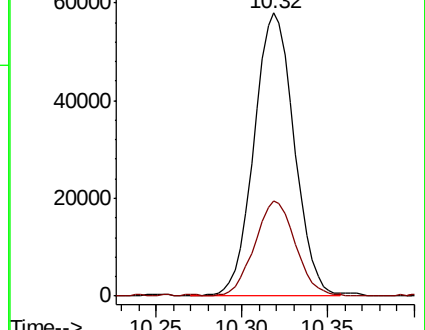
75 100

77 33.4 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VV013600.D (-2856) (-)

Ion 77.00 (76.70 to 77.70): VV013600.D (-2856) (-)



#61

Bromoform

Concen: 5.526 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. -0.00 min

Lab File: VV013597.D

Acq: 13 Nov 2019 09:00

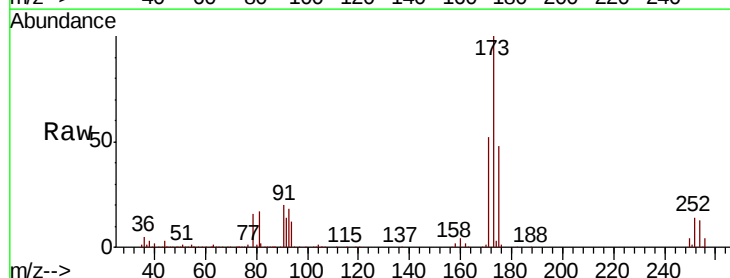
Tgt Ion: 173 Resp: 81559

Ion Ratio Lower Upper

173 100

175 49.1 38.6 57.8

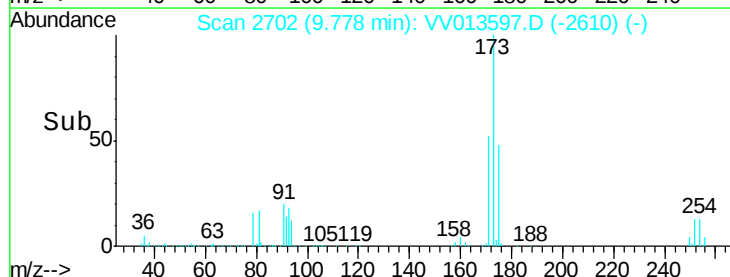
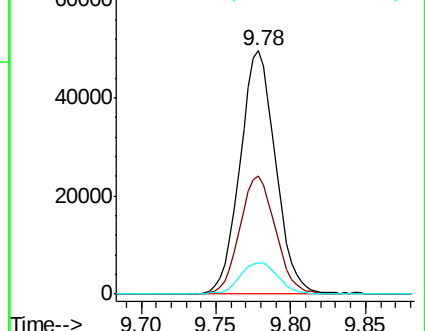
254 14.0 11.4 17.0

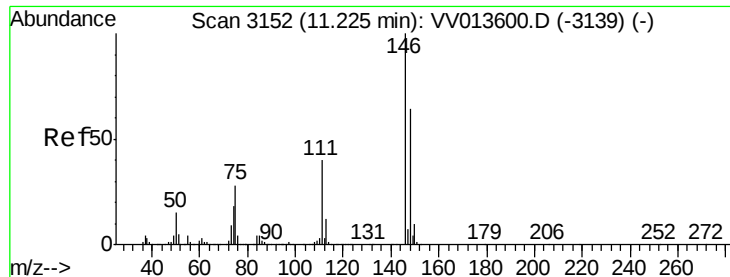


Abundance Ion 172.90 (172.60 to 173.60): VV013600.D (-2690) (-)

Ion 174.90 (174.60 to 175.60): VV013600.D (-2690) (-)

Ion 253.75 (253.45 to 254.45): VV013600.D (-2690) (-)





#62

1,3-Dichlorobenzene

Concen: 5.324 ug/L

RT: 11.23 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV013597.D

Acq: 13 Nov 2019 09:00

Instrument :

MSVOA_V

ClientSampleId :

VSTDCCC005

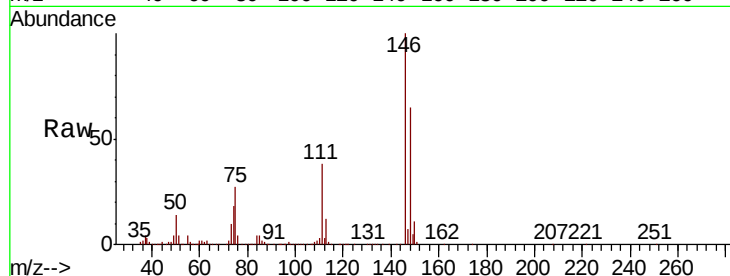
Tot Ion:146 Resp: 365134

Ion Ratio Lower Upper

146 100

111 37.6 27.6 51.4

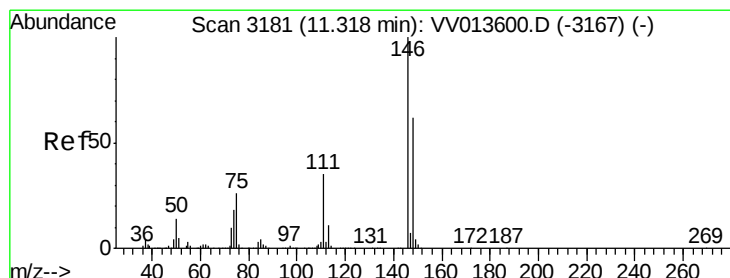
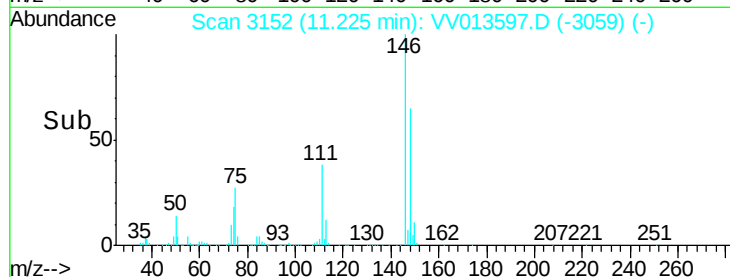
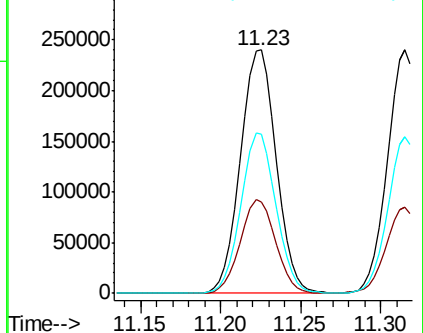
148 65.3 45.1 83.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.257 ug/L

RT: 11.32 min Scan# 3180

Delta R.T. -0.00 min

Lab File: VV013597.D

Acq: 13 Nov 2019 09:00

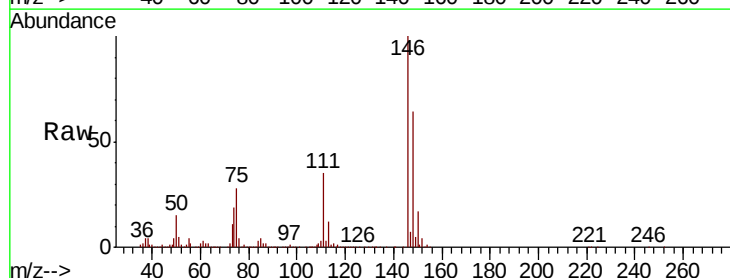
Tgt Ion:146 Resp: 361638

Ion Ratio Lower Upper

146 100

111 35.4 24.7 45.9

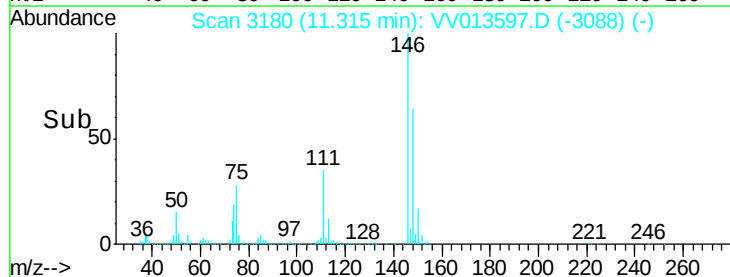
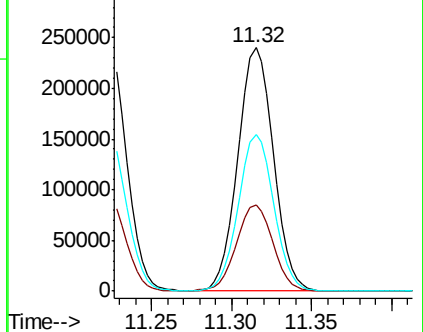
148 64.3 43.8 81.3

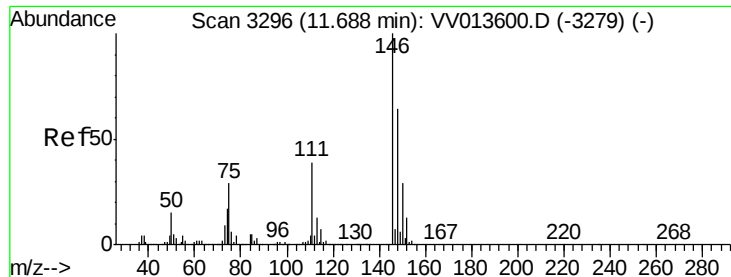


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.244 ug/L

RT: 11.68 min Scan# 3295

Delta R.T. -0.00 min

Lab File: VV013597.D

Acq: 13 Nov 2019 09:00

Instrument :

MSVOA_V

ClientSampleId :

VSTDCCC005

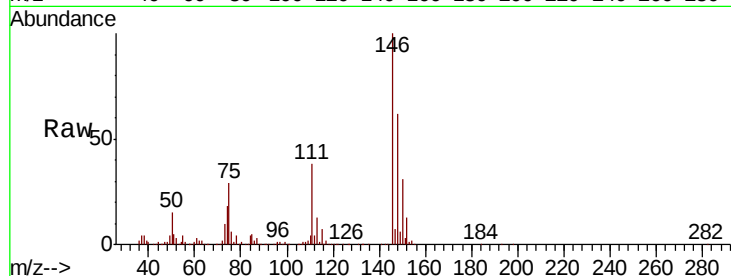
Tot Ion:146 Resp: 330655

Ion Ratio Lower Upper

146 100

111 38.5 31.4 47.0

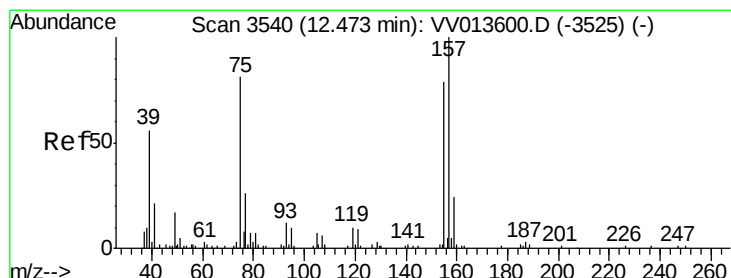
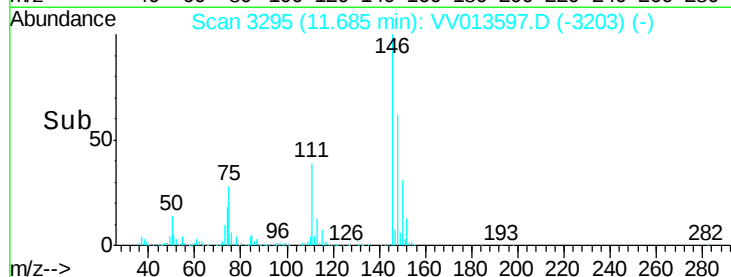
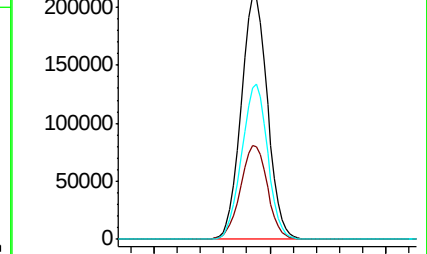
148 62.0 51.0 76.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 6.027 ug/L

RT: 12.47 min Scan# 3540

Delta R.T. 0.00 min

Lab File: VV013597.D

Acq: 13 Nov 2019 09:00

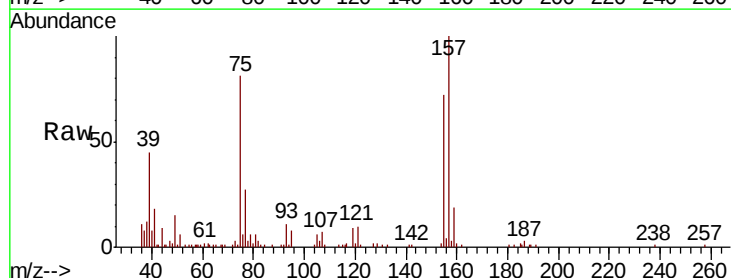
Tgt Ion: 75 Resp: 19879

Ion Ratio Lower Upper

75 100

155 88.5 78.3 117.5

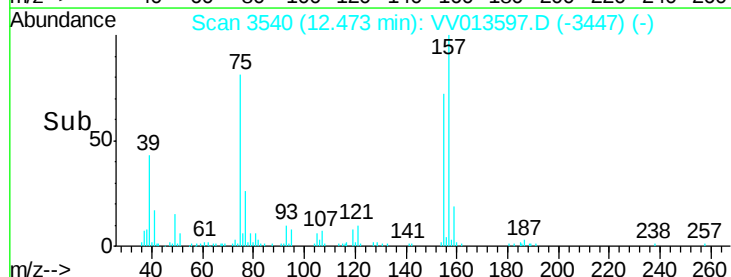
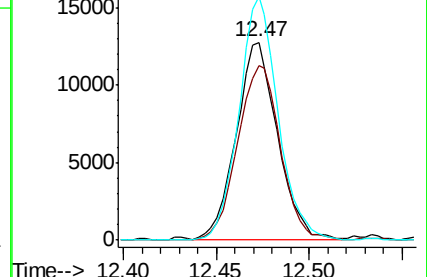
157 123.2 99.0 148.4

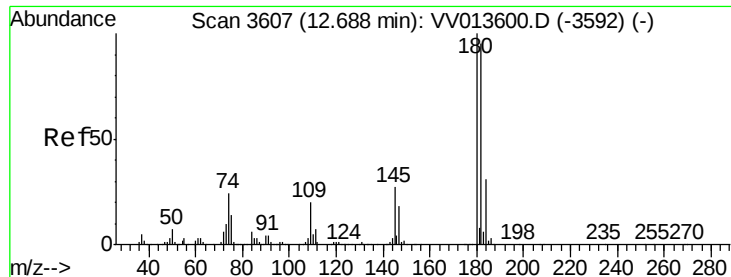


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

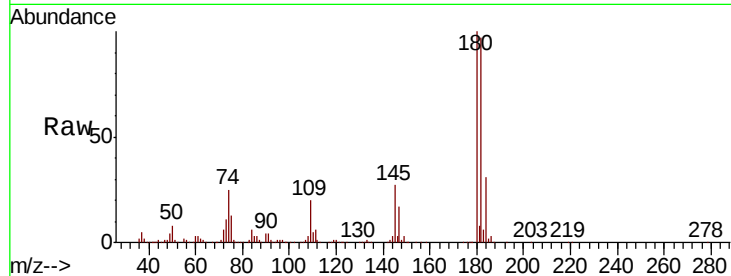




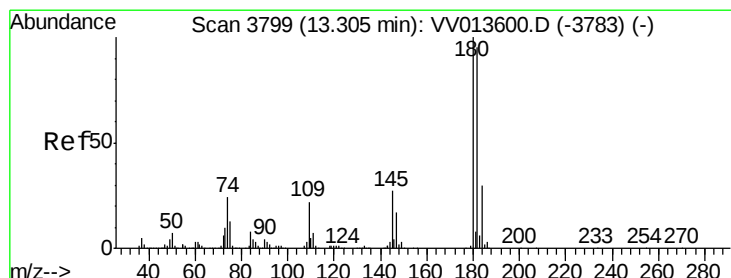
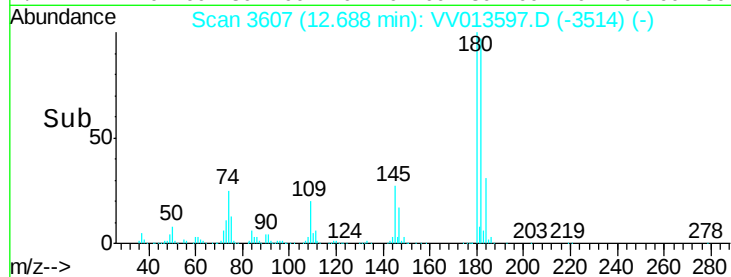
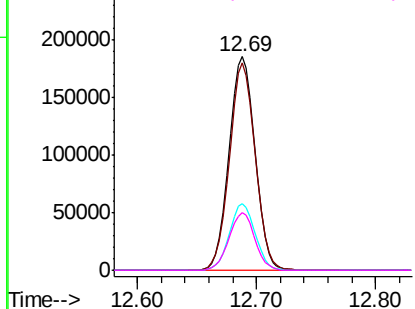
#67
 1,3,5-Trichlorobenzene
 Concen: 5.215 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV013597.D
 Acq: 13 Nov 2019 09:00

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDCCC005

Tot Ion:	180	Resp:	280582
Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.7	115.1
184	30.9	24.8	37.2
145	26.8	21.5	32.3

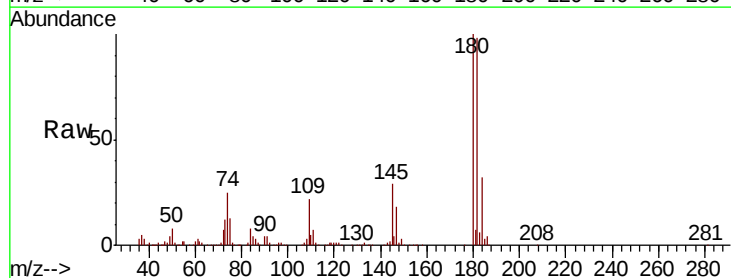


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

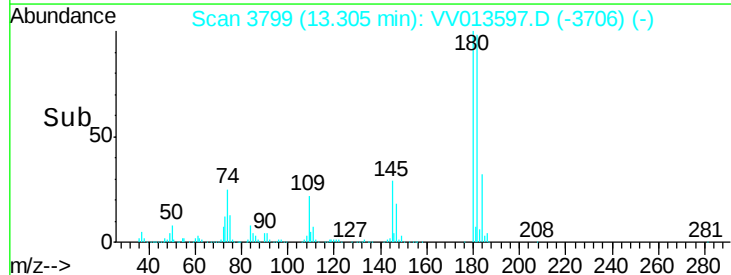
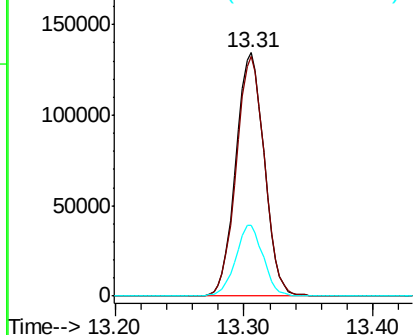


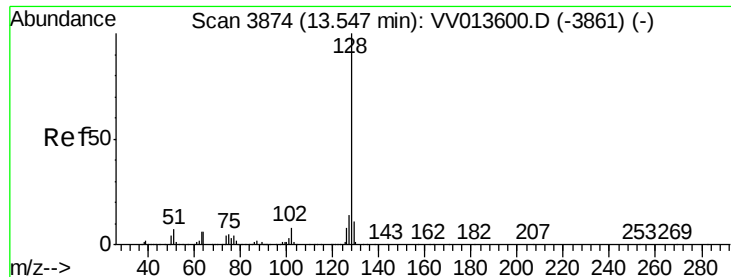
#68
 1,2,4-trichlorobenzene
 Concen: 4.877 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV013597.D
 Acq: 13 Nov 2019 09:00

Tgt Ion:	180	Resp:	206761
Ion	Ratio	Lower	Upper
180	100		
182	97.4	75.7	113.5
145	28.0	21.9	32.9



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.412 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV013597.D

Acq: 13 Nov 2019 09:00

Instrument :

MSVOA_V

ClientSampleId :

VSTDCCC005

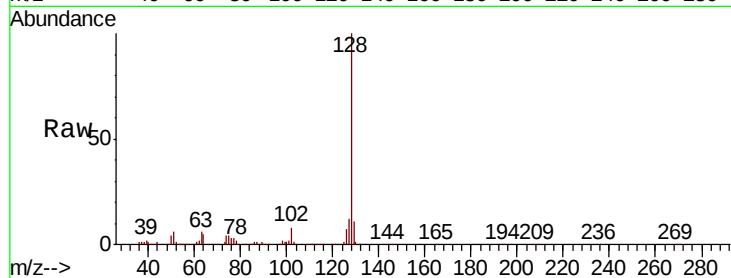
Tot Ion:128 Resp: 249892

Ion Ratio Lower Upper

128 100

129 10.8 8.2 12.4

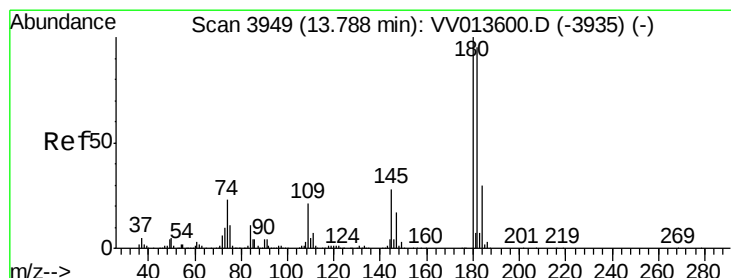
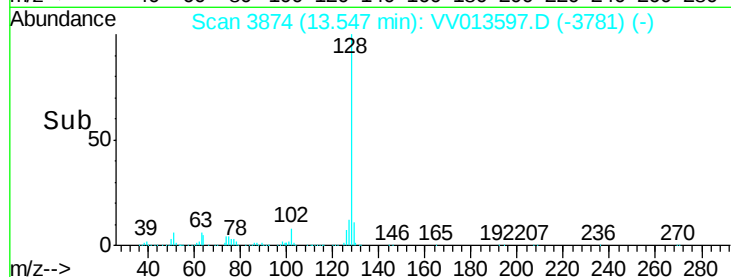
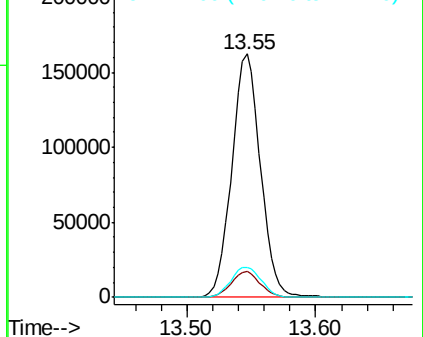
127 13.3 11.2 16.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.977 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV013597.D

Acq: 13 Nov 2019 09:00

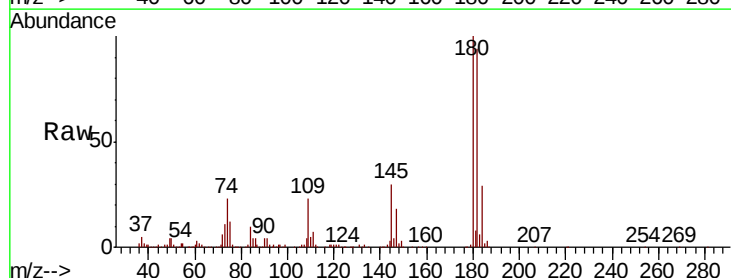
Tgt Ion:180 Resp: 199487

Ion Ratio Lower Upper

180 100

182 94.4 75.4 113.2

145 29.2 22.6 33.8



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

