

Data File : VV013602.D
Acq On : 13 Nov 2019 11:13
Operator : SY/MD
Sample : VSTD02034
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02034

Quant Time: Nov 14 04:54:40 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	5.67	114	381029	5.00	ug/L	-0.03
28) Chlorobenzene-d5	8.91	117	360926	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	207633	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.35	65	529134	29.77	ug/L	0.00
7) Chloroethane-d5	1.61	69	418414	27.51	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.16	63	875544	26.09	ug/L	0.00
20) 2-Butanone-d5	4.03	46	1067427	196.00	ug/L	0.00
24) Chloroform-d	4.42	84	905086	21.82	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.10	65	423240	19.90	ug/L	0.00
32) Benzene-d6	5.10	84	1753587	23.44	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.14	67	726544	28.68	ug/L	-0.03
41) Toluene-d8	7.39	98	2071636	30.31	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.69	79	253794	26.38	ug/L	0.00
46) 2-Hexanone-d5	8.16	63	1175357	301.20	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	466574	23.52	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	783668	22.38	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.17	85	707045	19.403 ug/L	99
3) Chloromethane	1.28	50	635898	19.330 ug/L	99
5) Vinyl chloride	1.35	62	616611	19.639 ug/L	99
6) Bromomethane	1.57	94	355771	21.091 ug/L	99
8) Chloroethane	1.63	64	344349	19.828 ug/L	98
9) Trichlorofluoromethane	1.80	101	835045	19.778 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.16	101	460157	19.335 ug/L	99
12) 1,1-Dichloroethene	2.17	96	444581	19.805 ug/L	93
13) Acetone	2.28	43	570991	172.424 ug/L	98
14) Carbon disulfide	2.34	76	1261193	18.776 ug/L	99
15) Methyl Acetate	2.51	43	194986	20.396 ug/L	# 88
16) Methylene chloride	2.56	84	452429	15.920 ug/L	99
17) Methyl tert-butyl Ether	2.85	73	1073098	18.414 ug/L	99
18) trans-1,2-Dichloroethene	2.82	96	485470	17.815 ug/L	97
19) 1,1-Dichloroethane	3.25	63	855130	17.049 ug/L	97
21) 2-Butanone	4.11	43	1171107	196.447 ug/L	99
22) cis-1,2-Dichloroethene	3.99	96	531844	18.741 ug/L	# 99
23) Bromochloromethane	4.32	128	235345	18.017 ug/L	98
25) Chloroform	4.45	83	893848	16.101 ug/L	98
27) 1,2-Dichloroethane	5.19	62	510262	16.646 ug/L	96
29) 1,1,1-Trichloroethane	4.67	97	785190	18.428 ug/L	98
30) Cyclohexane	4.72	56	758783	17.821 ug/L	99
31) Carbon tetrachloride	4.88	117	700576	18.283 ug/L	100
33) Benzene	5.15	78	1843008	16.734 ug/L	100
34) Trichloroethene	5.96	95	604737	20.507 ug/L	98
35) Methylcyclohexane	6.18	83	1000337	22.572 ug/L	96
37) 1,2-Dichloropropane	6.24	63	571741	21.192 ug/L	# 96
38) Bromodichloromethane	6.59	83	735227	21.062 ug/L	99
39) cis-1,3-Dichloropropene	7.11	75	855564	22.963 ug/L	100
40) 4-Methyl-2-pentanone	7.32	43	3598647	235.340 ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.46	91	2511594	21.956	ug/L	99
44) trans-1,3-Dichloropropene	7.72	75	666076	22.530	ug/L	97
45) 1,1,2-Trichloroethane	7.91	97	398183	21.412	ug/L	97
47) Tetrachloroethene	8.04	164	548467	21.149	ug/L	98
48) 2-Hexanone	8.21	43	2496255	227.764	ug/L	98
49) Dibromochloromethane	8.31	129	506281	21.804	ug/L	96
50) 1,2-Dibromoethane	8.42	107	374970	21.631	ug/L	95
51) Chlorobenzene	8.94	112	1584502	20.964	ug/L	100
52) Ethylbenzene	9.07	91	2780357	22.858	ug/L	100
53) m,p-xylene	9.19	106	1076630	23.612	ug/L	99
54) o-xylene	9.59	106	1024941	23.548	ug/L	96
55) Styrene	9.61	104	1805641	24.269	ug/L	100
56) Isopropylbenzene	9.98	105	2756594	23.475	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	450421	22.536	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	339500	21.168	ug/L	100
61) Bromoform	9.78	173	303593	20.609	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	1371230	20.035	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	1366680	19.905	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	1261322	20.045	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.47	75	70833	21.518	ug/L	99
67) 1,3,5-Trichlorobenzene	12.69	180	1123170	20.919	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	906626	21.427	ug/L	99
69) Naphthalene	13.55	128	1360481	24.069	ug/L	98
70) 1,2,3-Trichlorobenzene	13.79	180	855437	21.386	ug/L	98

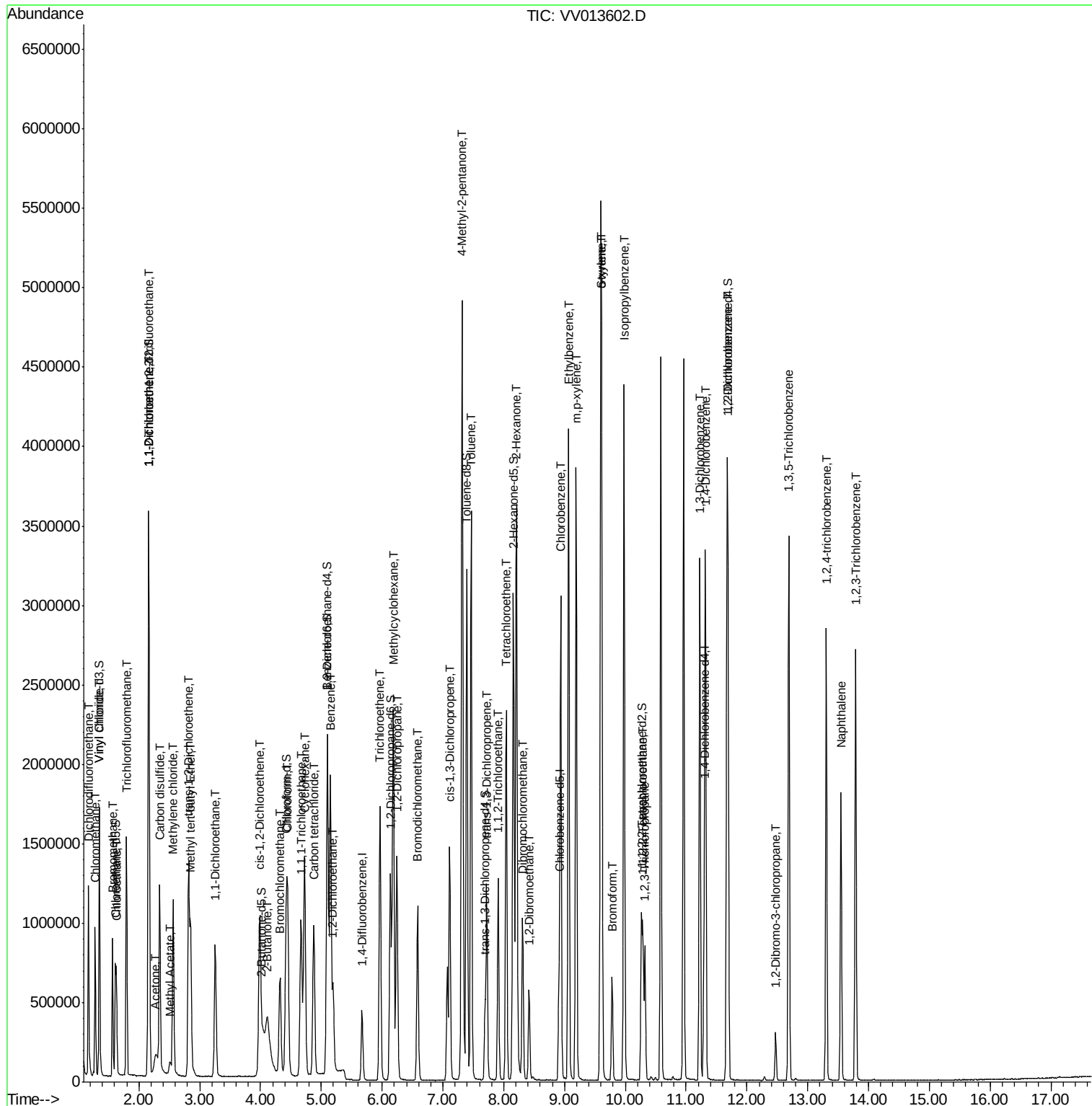
(#) = qualifier out of range (m) = manual integration (+) = signals summed

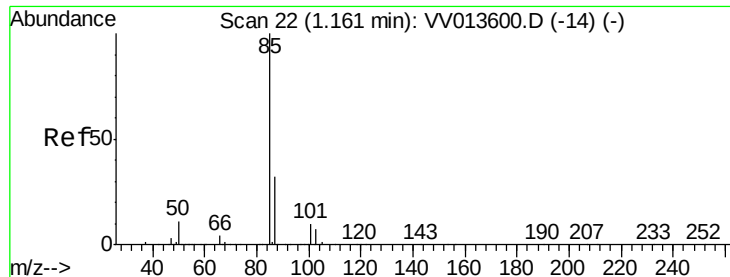
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#2

Dichlorodifluoromethane

Concen: 19.403 ug/L

RT: 1.17 min Scan# 25

Delta R.T. 0.01 min

Lab File: VV013602.D

Acq: 13 Nov 2019 11:13

Instrument :

MSVOA_V

ClientSampleId :

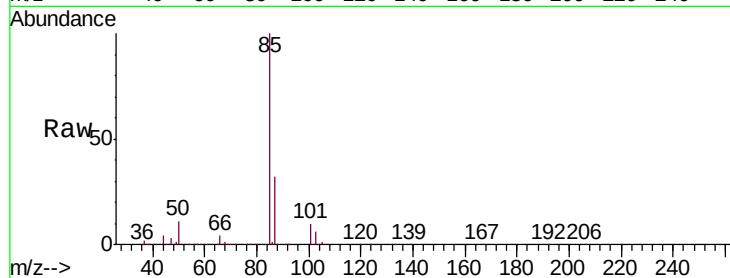
VSTD02034

Tgt Ion: 85 Resp: 707045

Ion Ratio Lower Upper

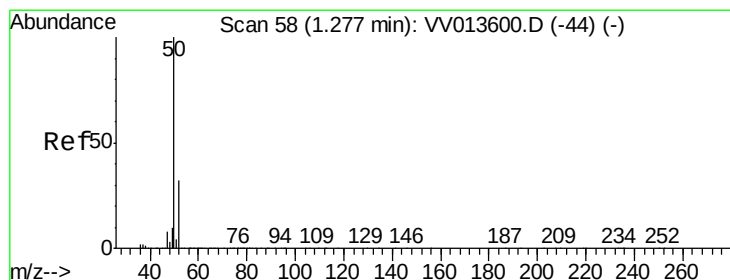
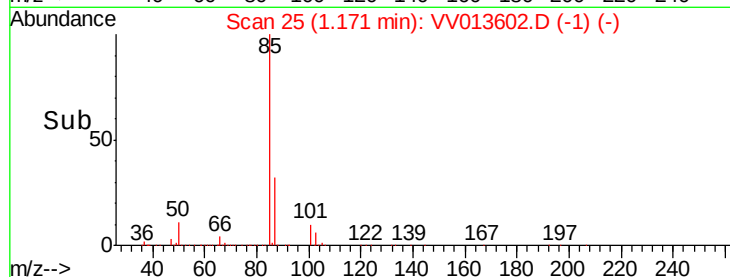
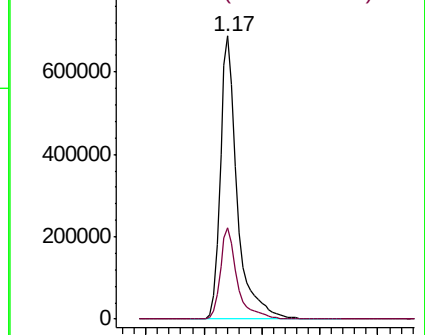
85 100

87 32.2 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VV013602.D (-14) (-)

Ion 87.00 (86.70 to 87.70): VV013602.D (-14) (-)



#3

Chloromethane

Concen: 19.330 ug/L

RT: 1.28 min Scan# 59

Delta R.T. 0.00 min

Lab File: VV013602.D

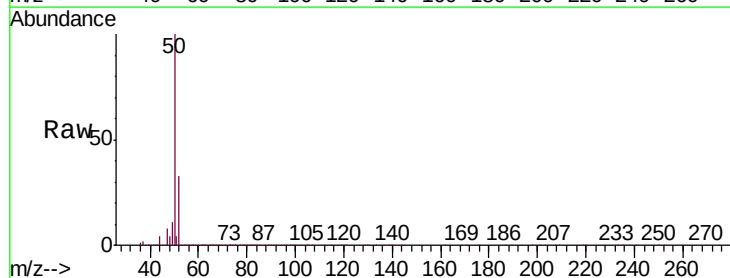
Acq: 13 Nov 2019 11:13

Tgt Ion: 50 Resp: 635898

Ion Ratio Lower Upper

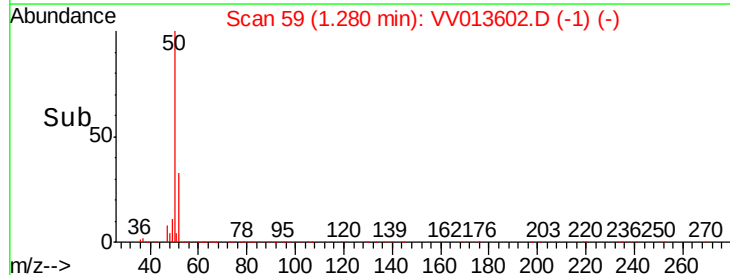
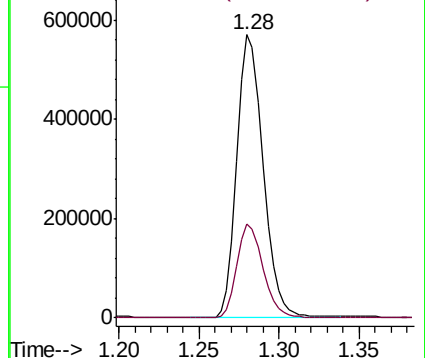
50 100

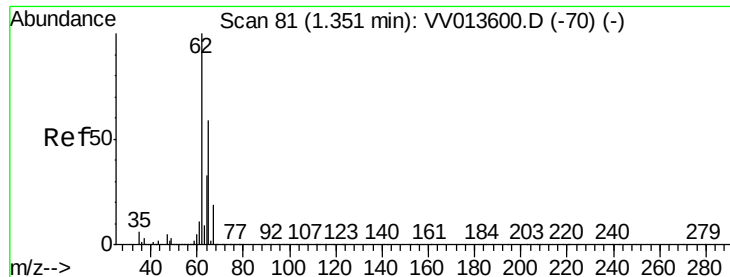
52 33.2 22.7 42.1



Abundance Ion 50.05 (49.75 to 50.75): VV013602.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VV013602.D (-1) (-)





#5

Vinyl chloride

Concen: 19.639 ug/L

RT: 1.35 min Scan# 81

Delta R.T. -0.00 min

Lab File: VV013602.D

Acq: 13 Nov 2019 11:13

Instrument :

MSVOA_V

ClientSampleId :

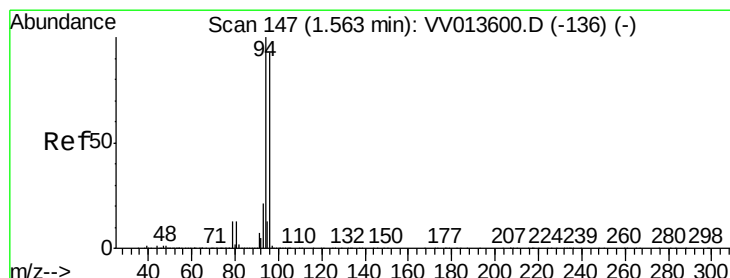
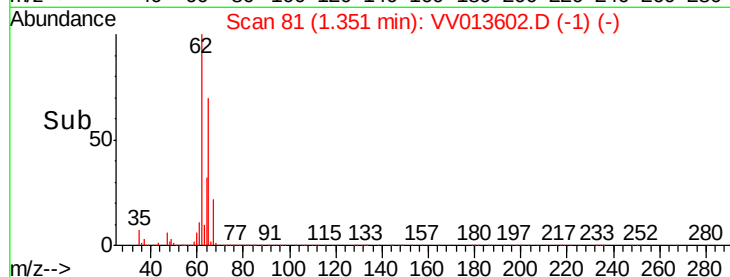
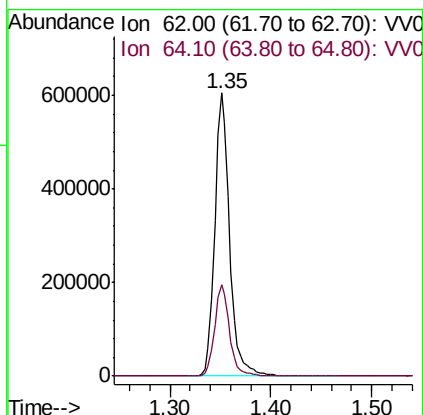
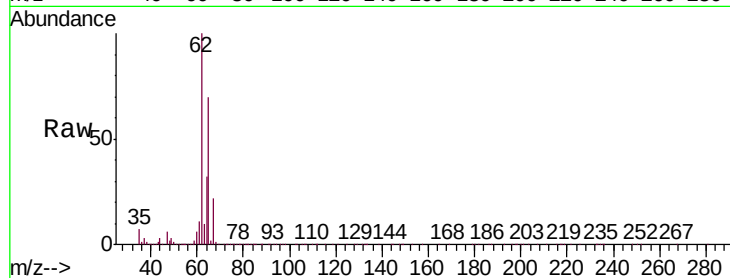
VSTD02034

Tgt Ion: 62 Resp: 616611

Ion Ratio Lower Upper

62 100

64 32.4 23.0 42.8



#6

Bromomethane

Concen: 21.091 ug/L

RT: 1.57 min Scan# 148

Delta R.T. 0.00 min

Lab File: VV013602.D

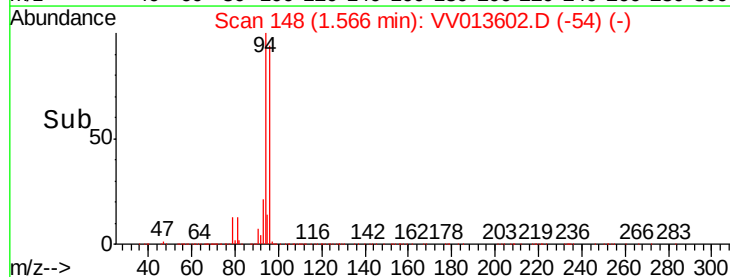
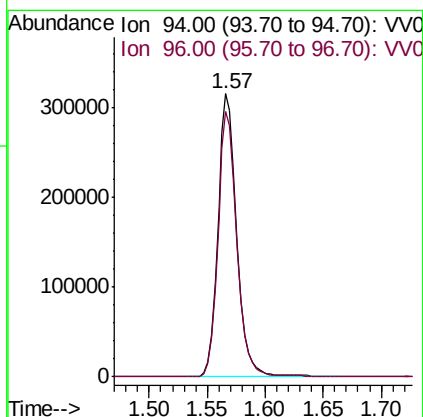
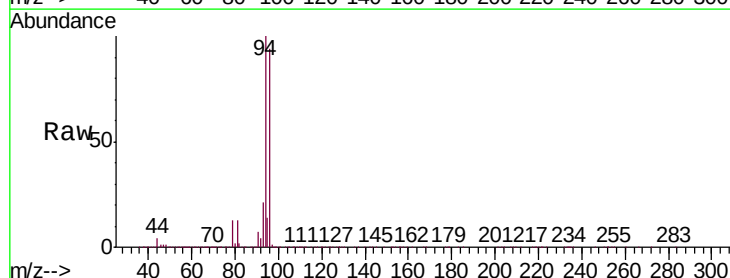
Acq: 13 Nov 2019 11:13

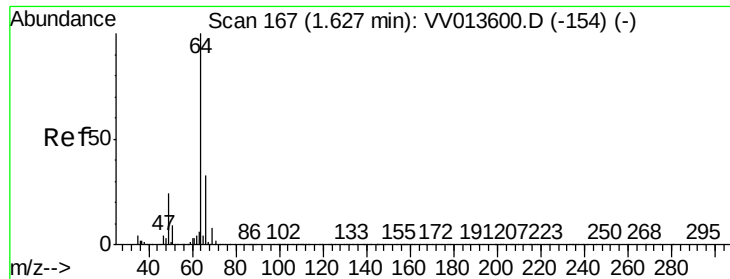
Tgt Ion: 94 Resp: 355771

Ion Ratio Lower Upper

94 100

96 93.7 65.1 120.9





#8

Chloroethane

Concen: 19.828 ug/L

RT: 1.63 min Scan# 168

Delta R.T. 0.00 min

Lab File: VV013602.D

Acq: 13 Nov 2019 11:13

Instrument :

MSVOA_V

ClientSampleId :

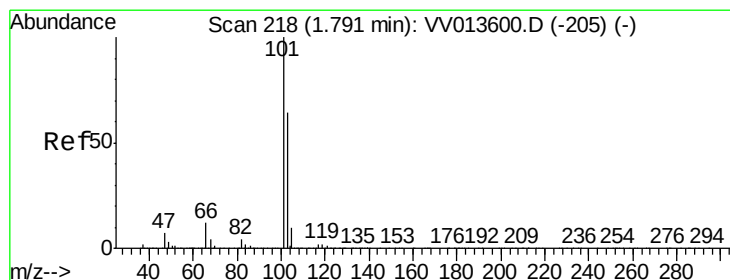
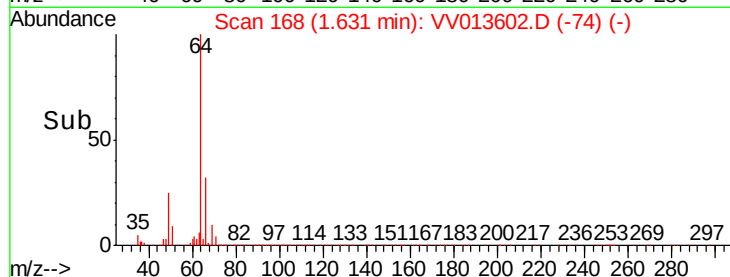
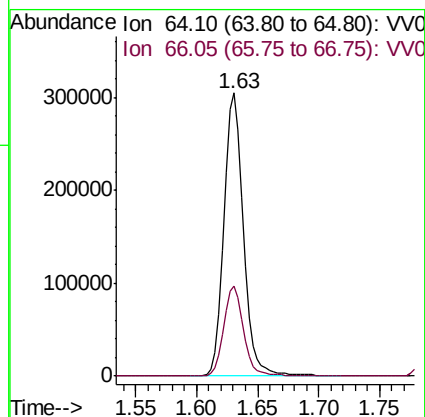
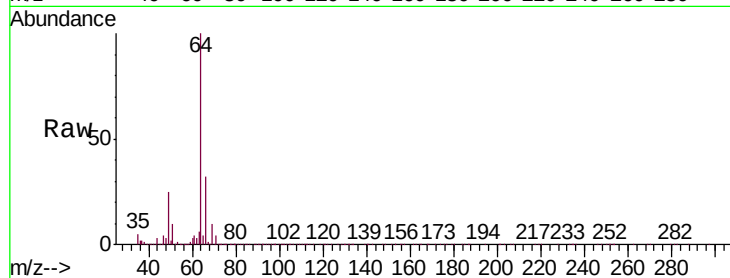
VSTD02034

Tgt Ion: 64 Resp: 344349

Ion Ratio Lower Upper

64 100

66 31.8 23.0 42.8



#9

Trichlorofluoromethane

Concen: 19.778 ug/L

RT: 1.80 min Scan# 220

Delta R.T. 0.01 min

Lab File: VV013602.D

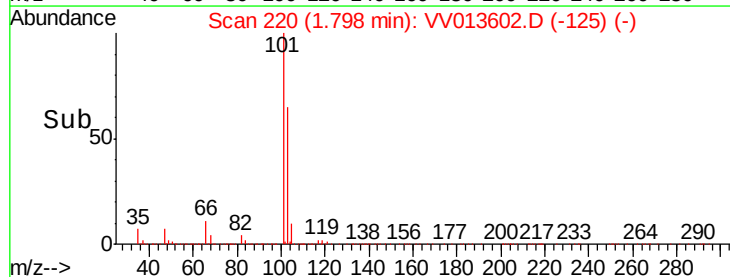
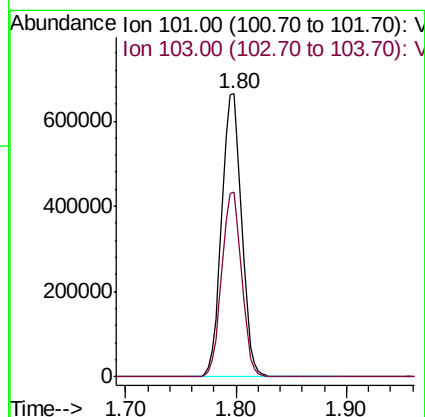
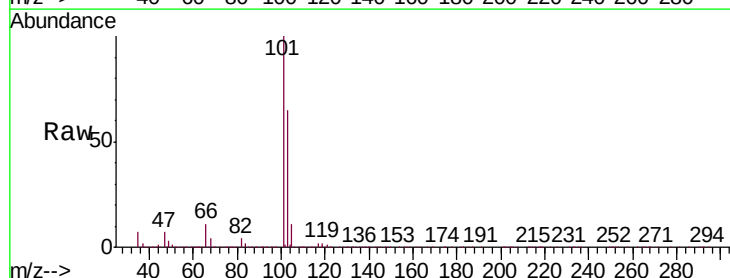
Acq: 13 Nov 2019 11:13

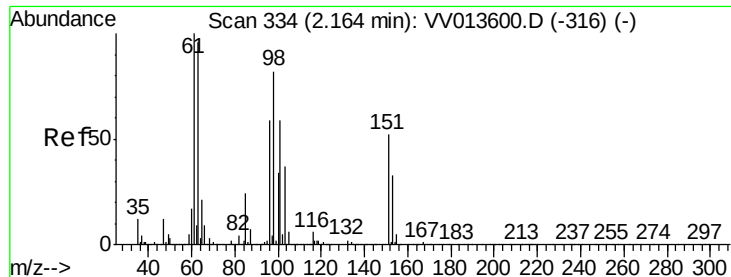
Tgt Ion: 101 Resp: 835045

Ion Ratio Lower Upper

101 100

103 65.2 52.6 78.8





#10

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

Concen: 19.335 ug/L

RT: 2.16 min Scan# 334

Delta R.T. -0.00 min

Lab File: VV013602.D

Acq: 13 Nov 2019 11:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD02034

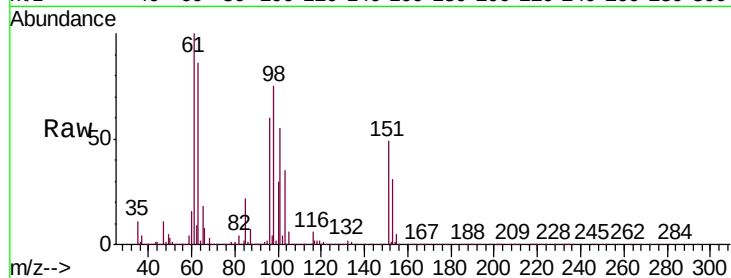
Tgt Ion: 101 Resp: 460157

Ion Ratio Lower Upper

101 100

85 40.5 33.1 49.7

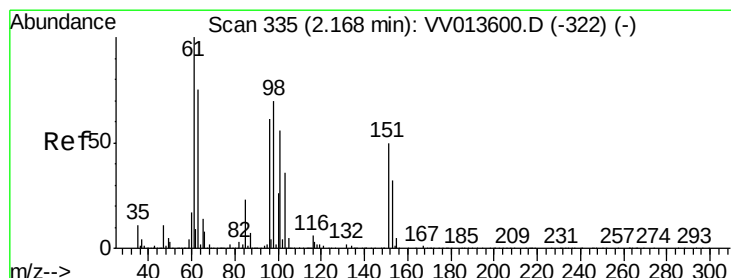
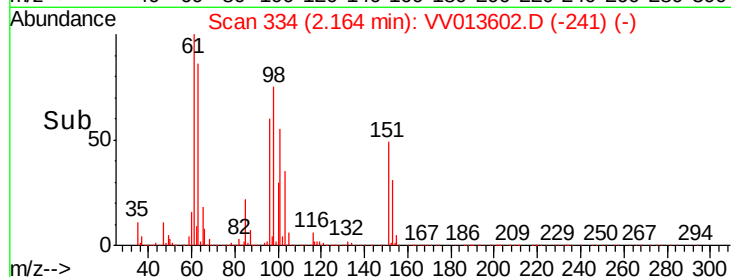
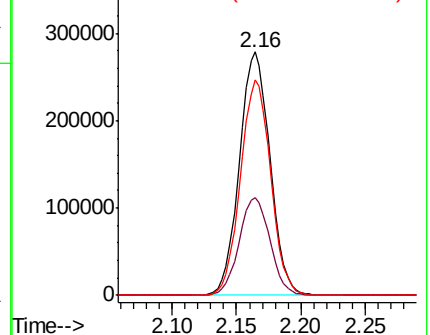
151 87.4 69.5 104.3



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: 19.805 ug/L

RT: 2.17 min Scan# 335

Delta R.T. -0.00 min

Lab File: VV013602.D

Acq: 13 Nov 2019 11:13

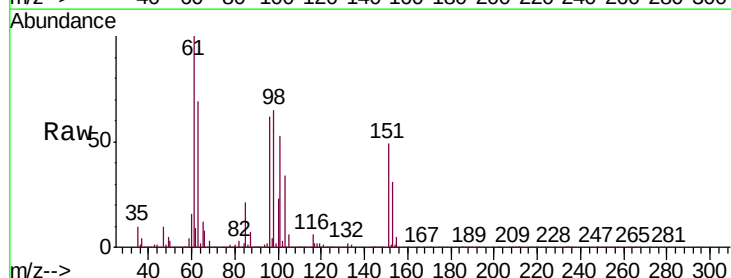
Tgt Ion: 96 Resp: 444581

Ion Ratio Lower Upper

96 100

61 160.2 115.6 214.6

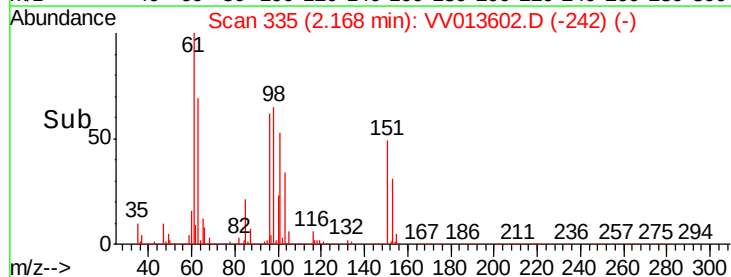
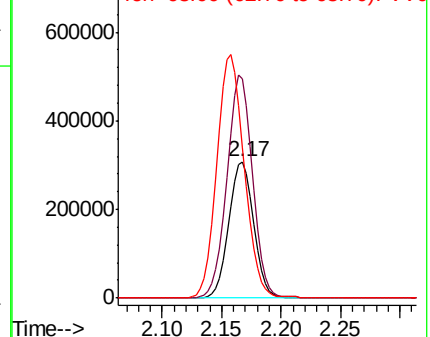
63 110.3 87.2 162.0

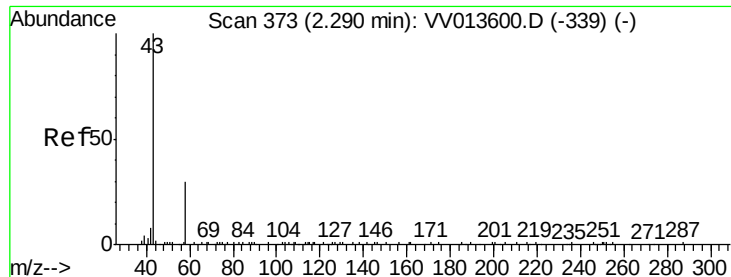


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 172.424 ug/L

RT: 2.28 min Scan# 371

Delta R.T. -0.01 min

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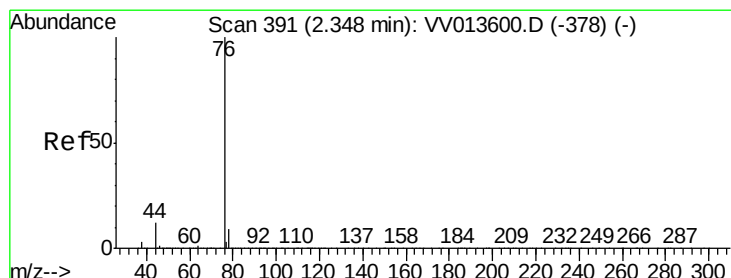
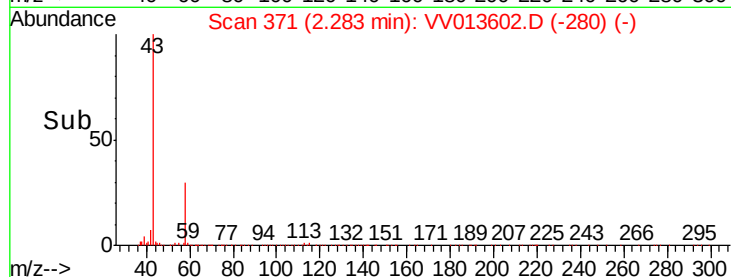
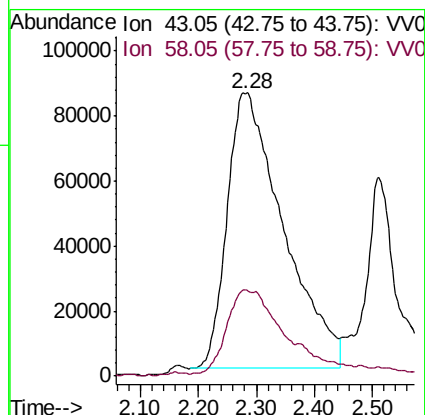
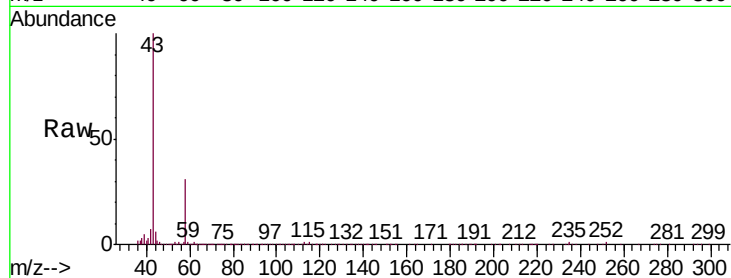
VSTD02034

Tgt Ion: 43 Resp: 570991

Ion Ratio Lower Upper

43 100

58 13.5 0.0 28.8



#14

Carbon disulfide

Concen: 18.776 ug/L

RT: 2.34 min Scan# 389

Delta R.T. -0.01 min

Lab File: VV013602.D

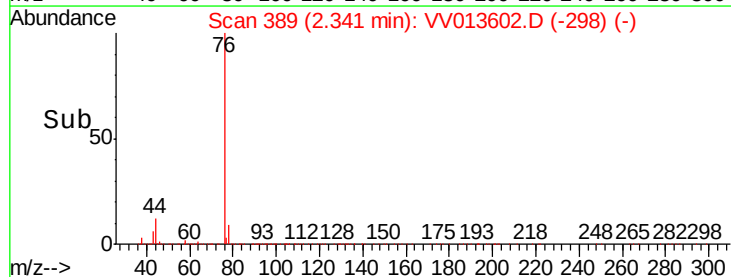
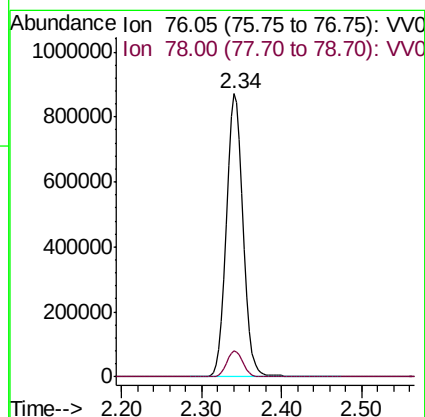
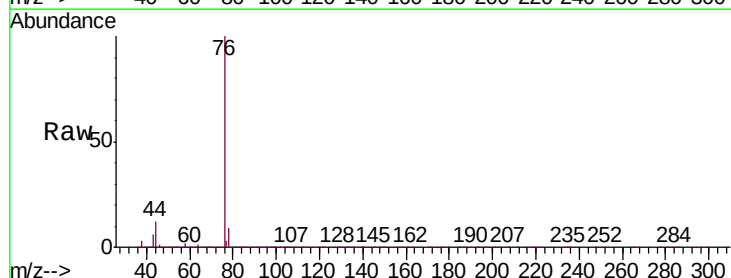
Acq: 13 Nov 2019 11:13

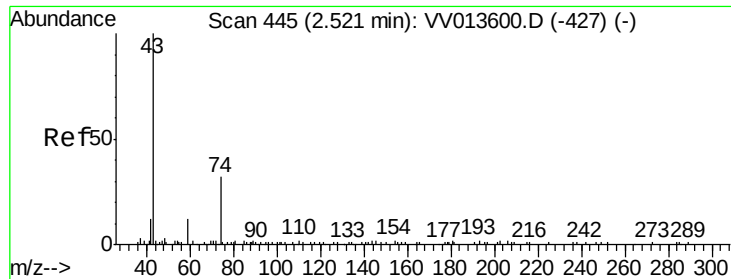
Tgt Ion: 76 Resp: 1261193

Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.6

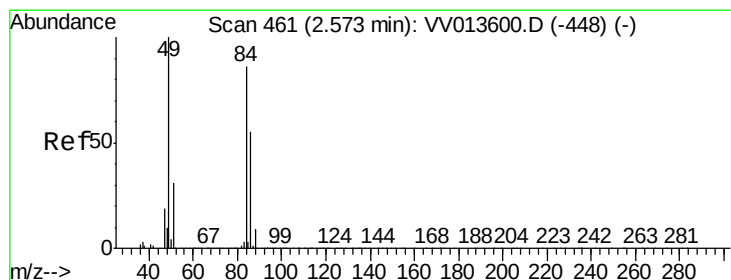
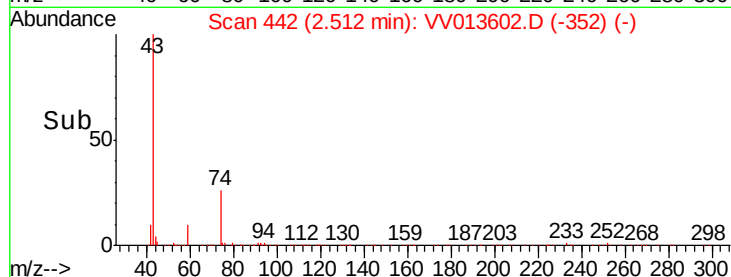
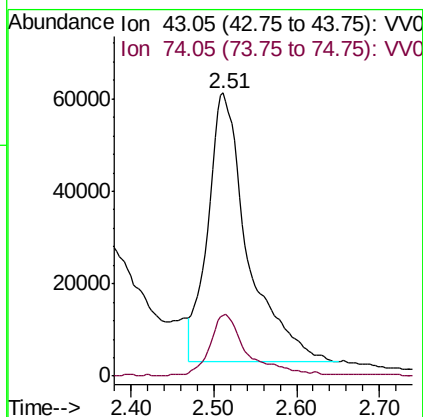
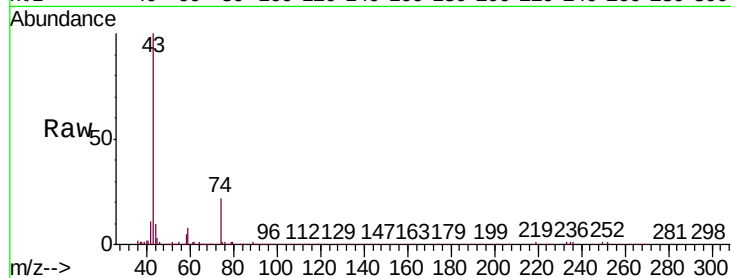




#15
Methyl Acetate
Concen: 20.396 ug/L
RT: 2.51 min Scan# 442
Delta R.T. -0.01 min
Lab File: VV013602.D
Acq: 13 Nov 2019 11:13

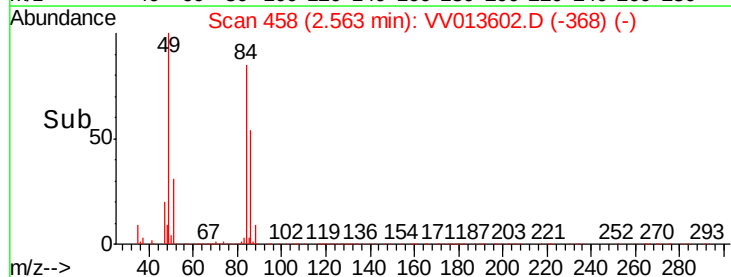
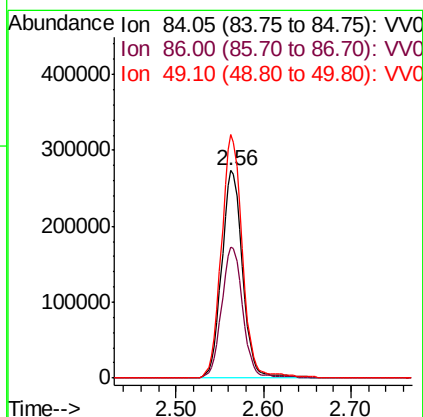
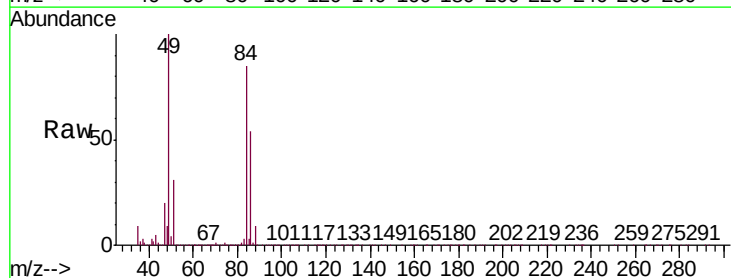
Instrument :
MSVOA_V
ClientSampleId :
VSTD02034

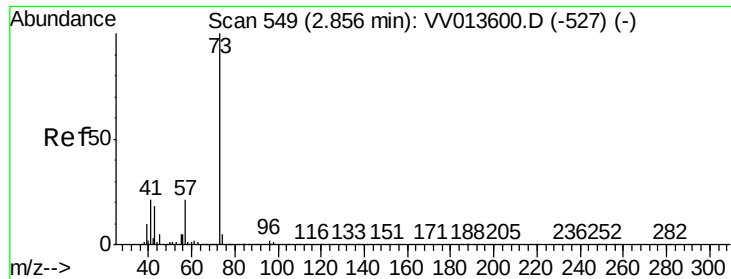
Tgt Ion: 43 Resp: 194986
Ion Ratio Lower Upper
43 100
74 21.0 21.9 32.9#



#16
Methylene chloride
Concen: 15.920 ug/L
RT: 2.56 min Scan# 458
Delta R.T. -0.01 min
Lab File: VV013602.D
Acq: 13 Nov 2019 11:13

Tgt Ion: 84 Resp: 452429
Ion Ratio Lower Upper
84 100
86 63.3 45.1 83.9
49 117.4 81.4 151.2

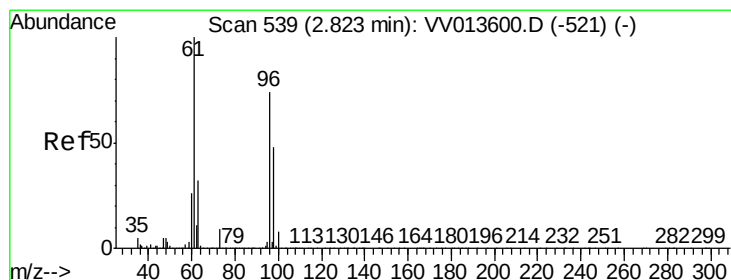
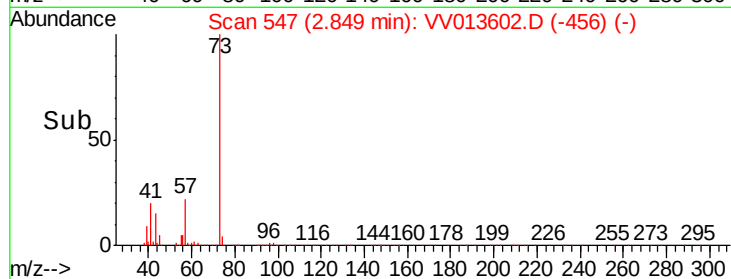
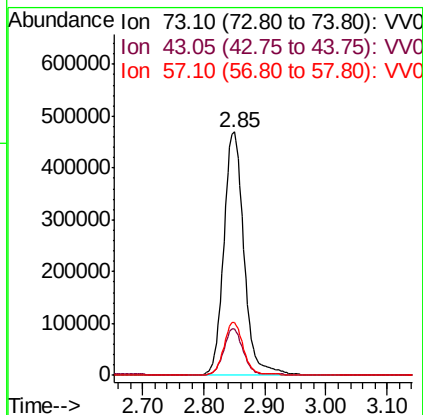
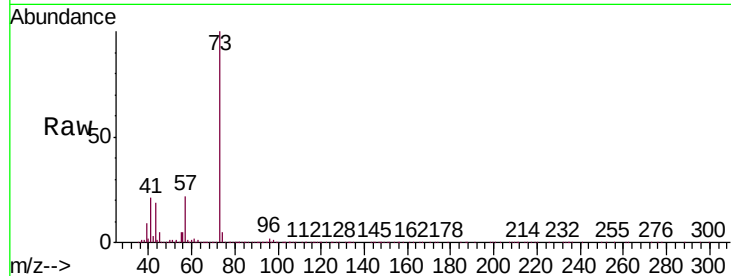




#17
Methyl tert-butyl Ether
Concen: 18.414 ug/L
RT: 2.85 min Scan# 547
Delta R.T. -0.01 min
Lab File: VV013602.D
Acq: 13 Nov 2019 11:13

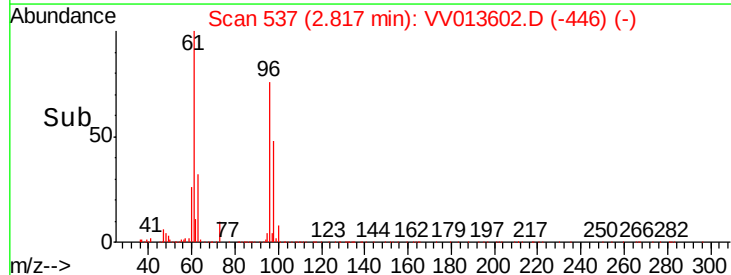
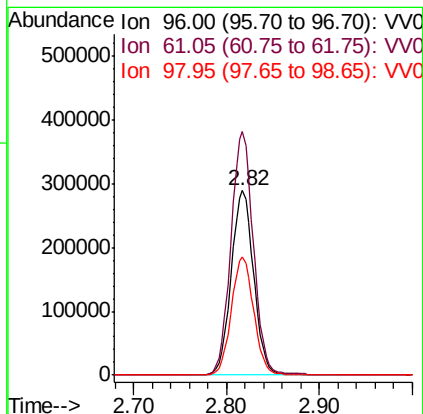
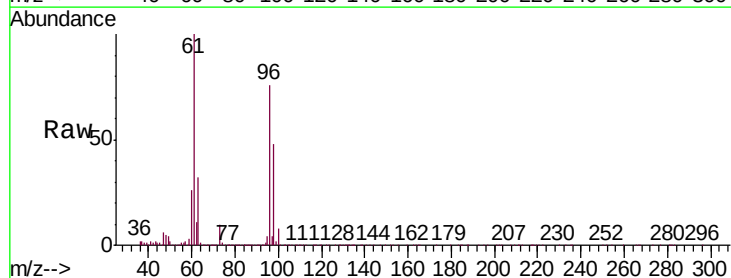
Instrument :
MSVOA_V
ClientSampleId :
VSTD02034

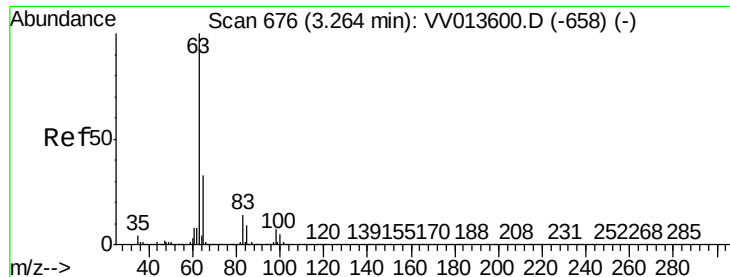
Tgt Ion:	73	Resp:	1073098
Ion	Ratio	Lower	Upper
73	100		
43	18.5	14.8	22.2
57	21.4	16.3	24.5



#18
trans-1,2-Dichloroethene
Concen: 17.815 ug/L
RT: 2.82 min Scan# 537
Delta R.T. -0.01 min
Lab File: VV013602.D
Acq: 13 Nov 2019 11:13

Tgt Ion:	96	Resp:	485470
Ion	Ratio	Lower	Upper
96	100		
61	132.1	95.2	176.8
98	63.8	46.1	85.7

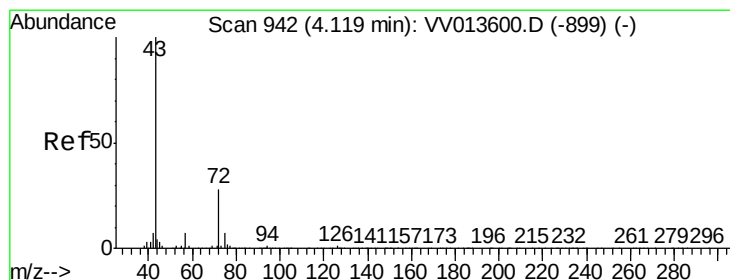
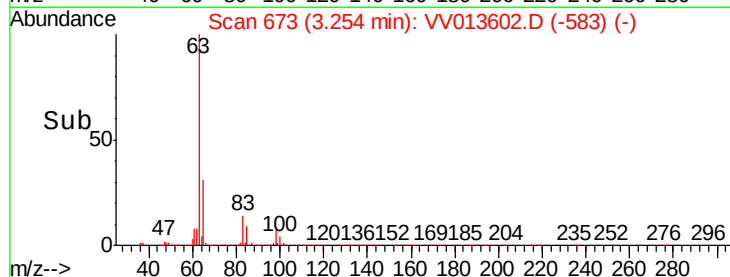
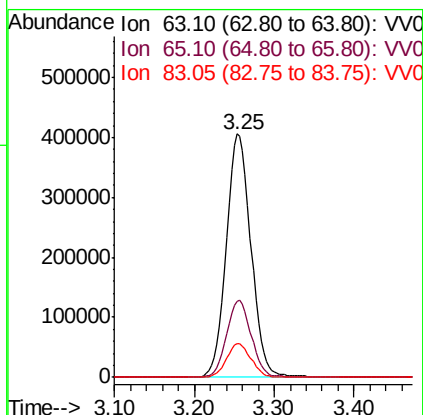
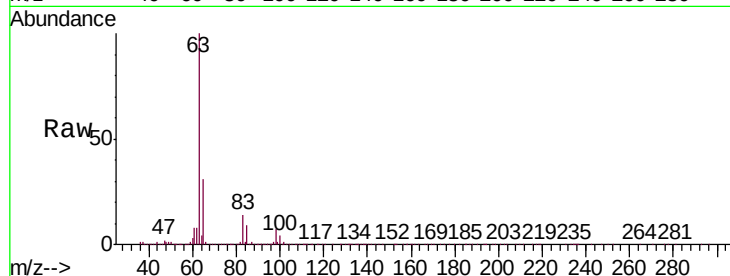




#19
 1,1-Dichloroethane
 Concen: 17.049 ug/L
 RT: 3.25 min Scan# 673
 Delta R.T. -0.01 min
 Lab File: VV013602.D
 Acq: 13 Nov 2019 11:13

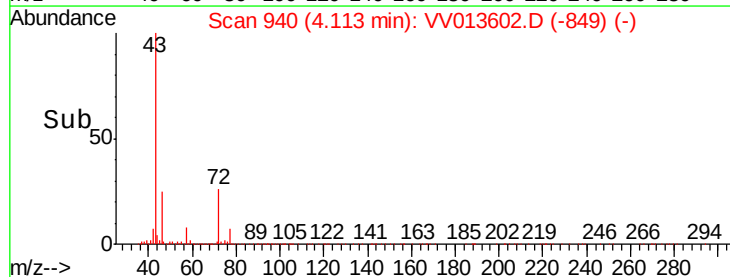
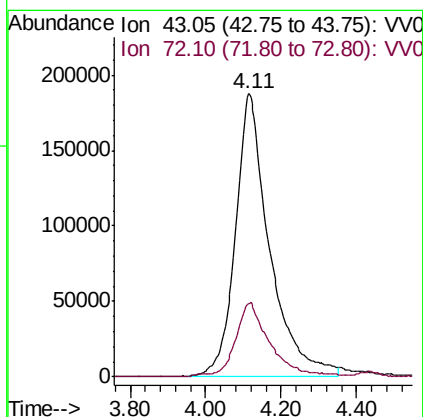
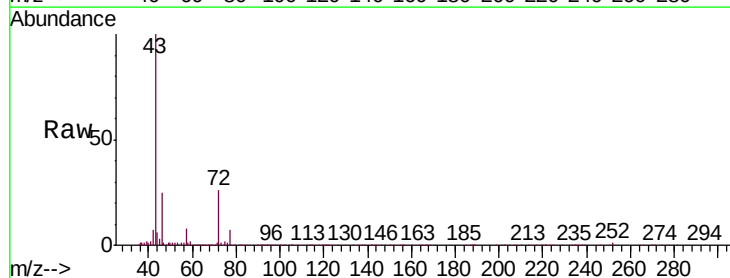
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02034

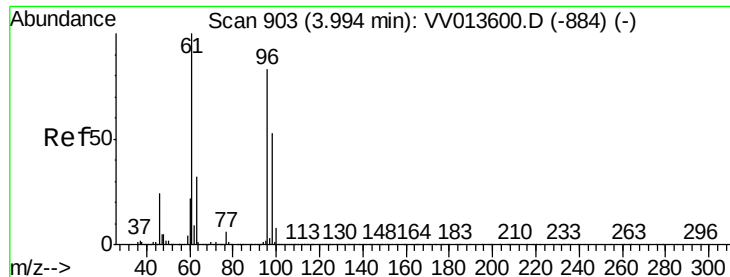
Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.4	23.4	43.4
83	14.0	9.9	18.3



#21
 2-Butanone
 Concen: 196.447 ug/L
 RT: 4.11 min Scan# 940
 Delta R.T. -0.01 min
 Lab File: VV013602.D
 Acq: 13 Nov 2019 11:13

Tgt Ion	Ratio	Lower	Upper
43	100		
72	24.0	12.3	36.9



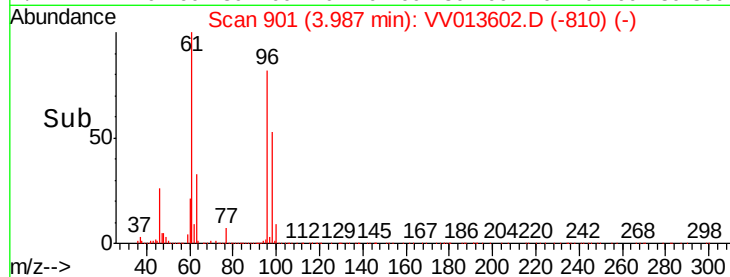
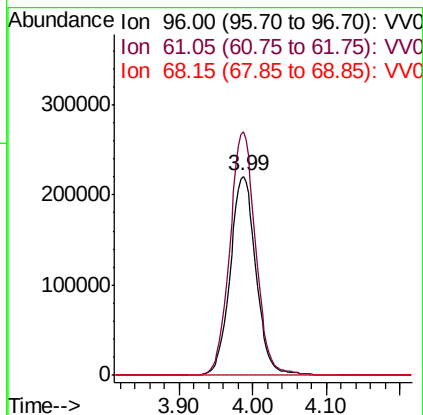
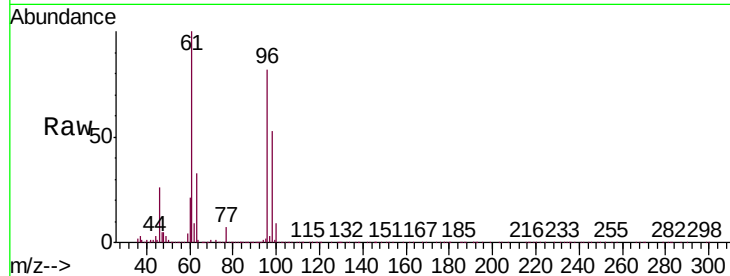


#22

cis-1,2-Dichloroethene
Concen: 18.741 ug/L
RT: 3.99 min Scan# 901
Delta R.T. -0.01 min
Lab File: VV013602.D
Acq: 13 Nov 2019 11:13

Instrument :
MSVOA_V
ClientSampleId :
VSTD02034

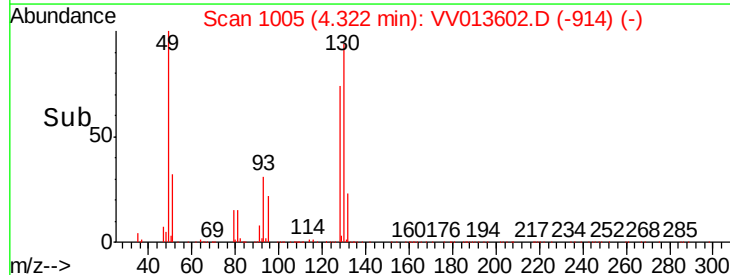
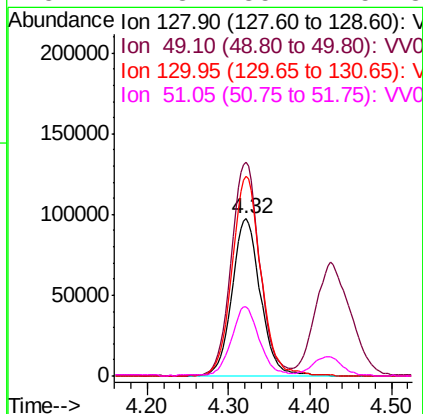
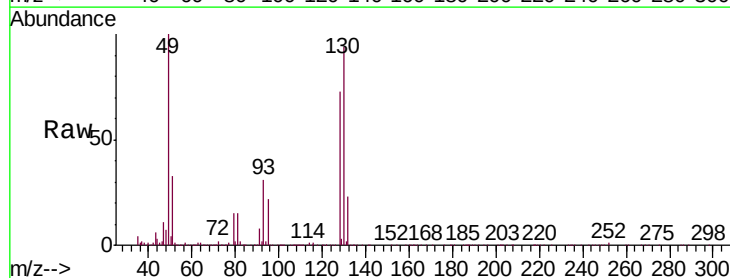
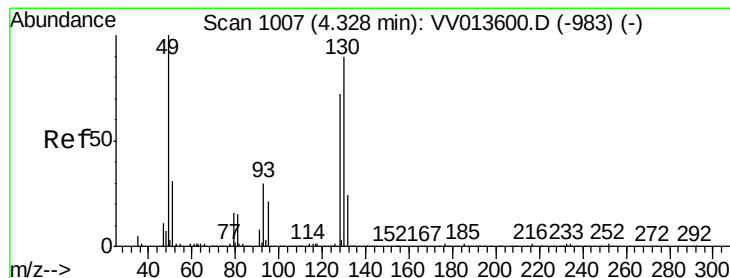
Tgt Ion: 96 Resp: 531844
Ion Ratio Lower Upper
96 100
61 122.4 84.7 157.3
68 0.1 0.3 0.7#

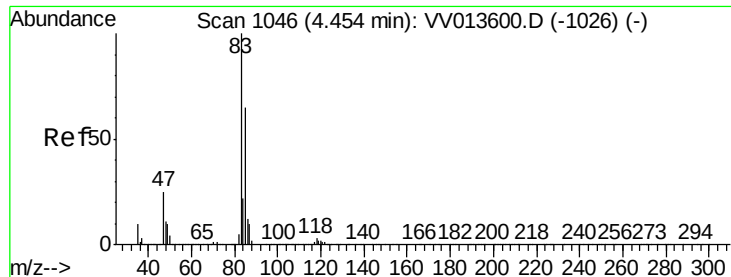


#23

Bromochloromethane
Concen: 18.017 ug/L
RT: 4.32 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VV013602.D
Acq: 13 Nov 2019 11:13

Tgt Ion: 128 Resp: 235345
Ion Ratio Lower Upper
128 100
49 136.2 98.4 182.8
130 127.6 88.4 164.2
51 44.3 35.2 52.8





#25

Chloroform

Concen: 16.101 ug/L

RT: 4.45 min Scan# 1044

Delta R.T. -0.01 min

Lab File: VV013602.D

Acq: 13 Nov 2019 11:13

Instrument :

MSVOA_V

ClientSampleId :

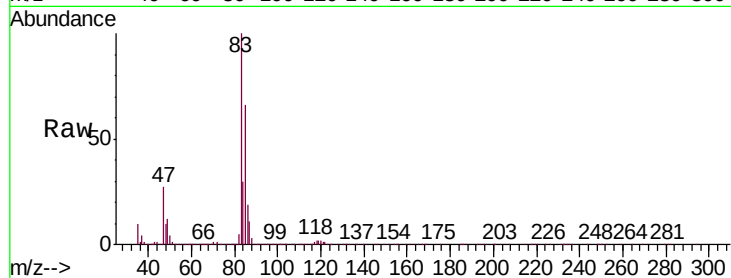
VSTD02034

Tgt Ion: 83 Resp: 893848

Ion Ratio Lower Upper

83 100

85 66.2 45.5 84.5



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0

4.45

400000

300000

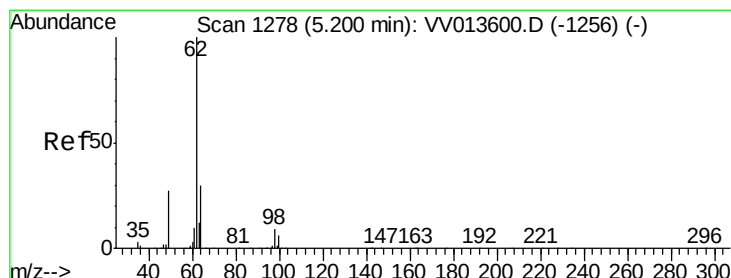
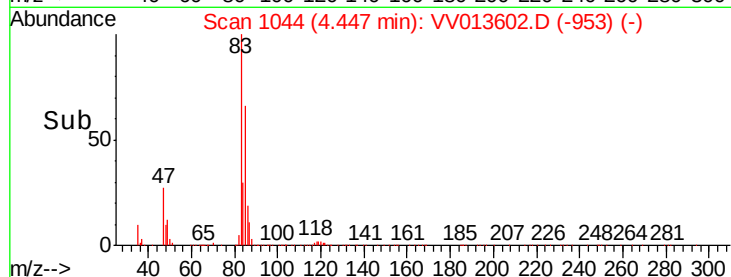
200000

100000

0

4.30 4.40 4.50 4.60

Time-->



#27

1,2-Dichloroethane

Concen: 16.646 ug/L

RT: 5.19 min Scan# 1276

Delta R.T. -0.01 min

Lab File: VV013602.D

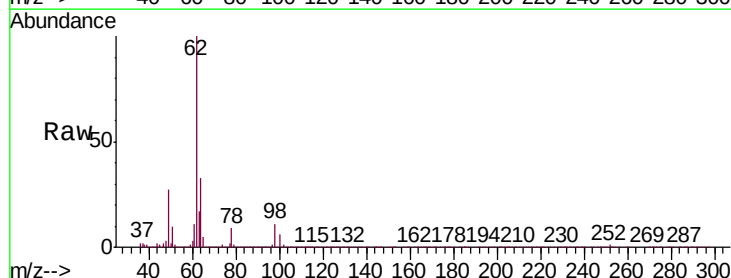
Acq: 13 Nov 2019 11:13

Tgt Ion: 62 Resp: 510262

Ion Ratio Lower Upper

62 100

98 10.9 7.4 11.2



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.05 (97.75 to 98.75): VV0

5.19

250000

200000

150000

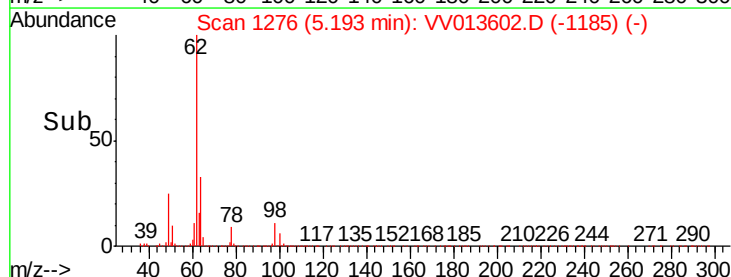
100000

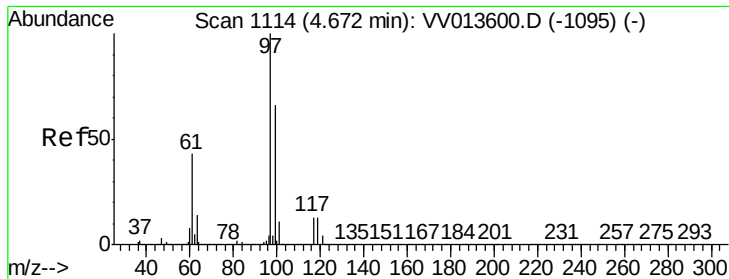
50000

0

5.10 5.20 5.30

Time-->

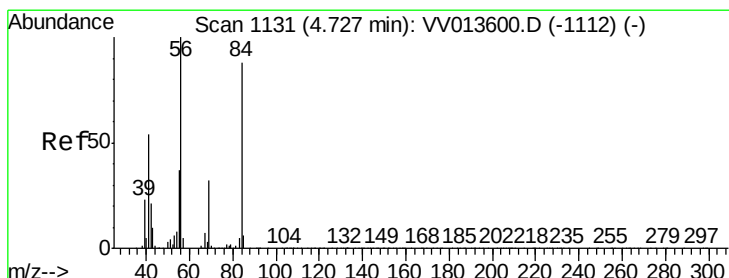
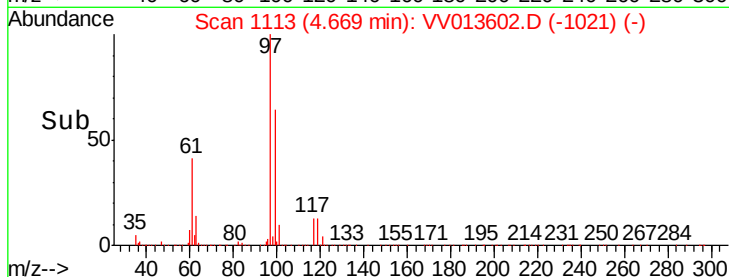
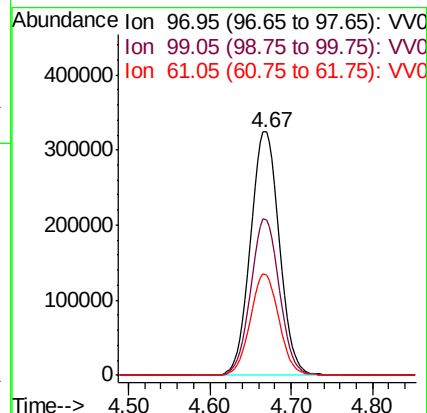
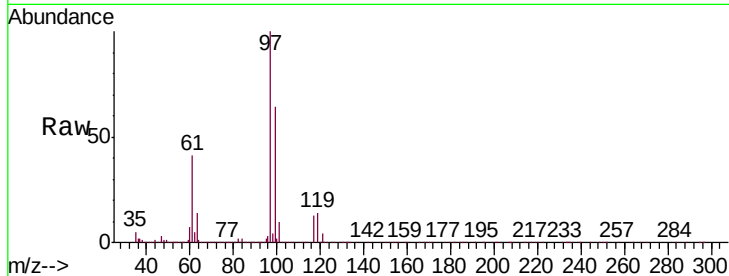




#29
 1,1,1-Trichloroethane
 Concen: 18.428 ug/L
 RT: 4.67 min Scan# 1113
 Delta R.T. -0.00 min
 Lab File: VV013602.D
 Acq: 13 Nov 2019 11:13

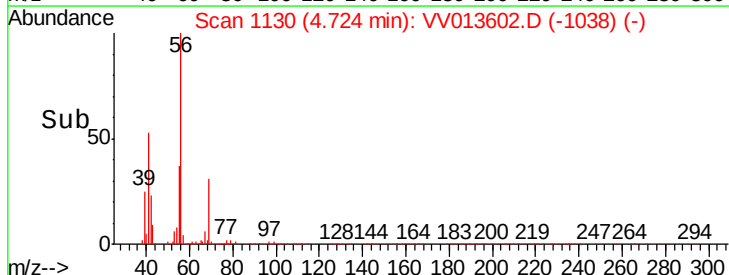
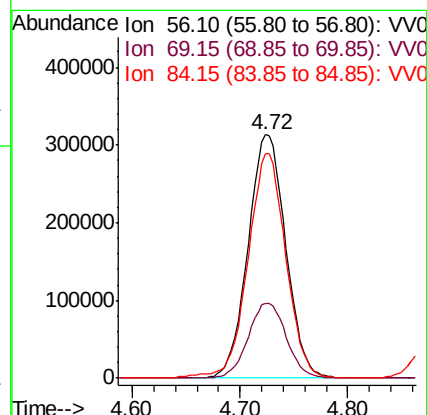
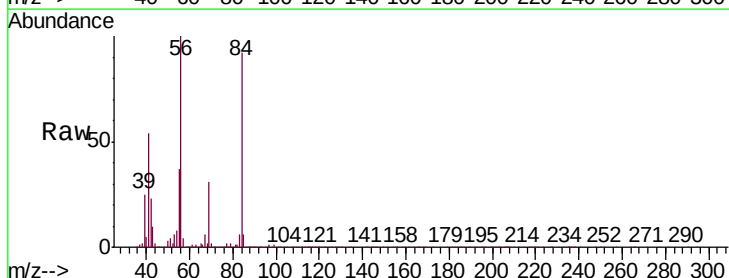
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02034

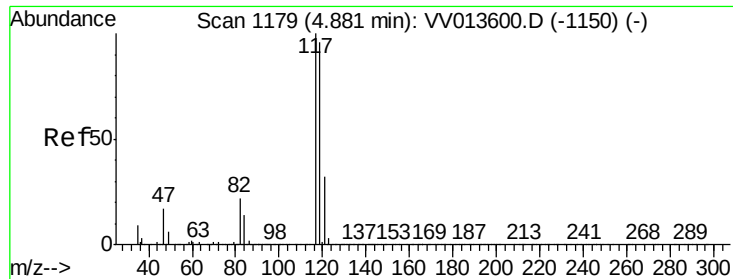
Tgt Ion: 97 Resp: 785190
 Ion Ratio Lower Upper
 97 100
 99 64.1 52.6 78.8
 61 41.5 34.1 51.1



#30
 Cyclohexane
 Concen: 17.821 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. -0.00 min
 Lab File: VV013602.D
 Acq: 13 Nov 2019 11:13

Tgt Ion: 56 Resp: 758783
 Ion Ratio Lower Upper
 56 100
 69 31.2 25.0 37.4
 84 92.9 75.5 113.3

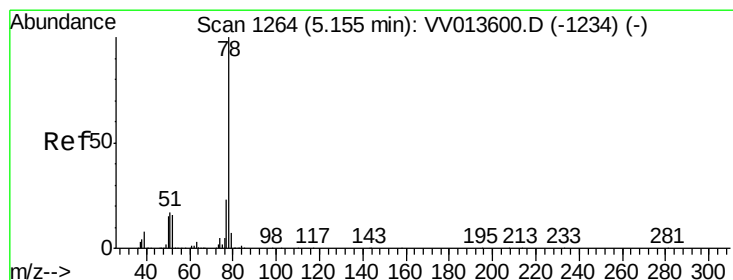
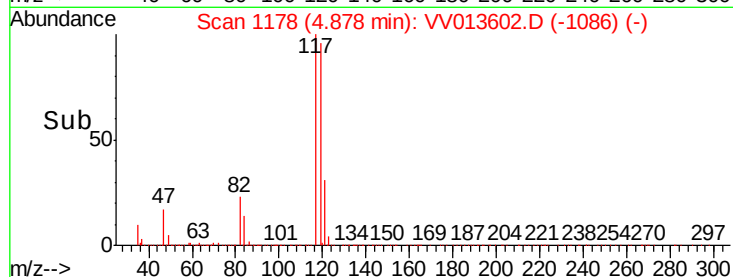
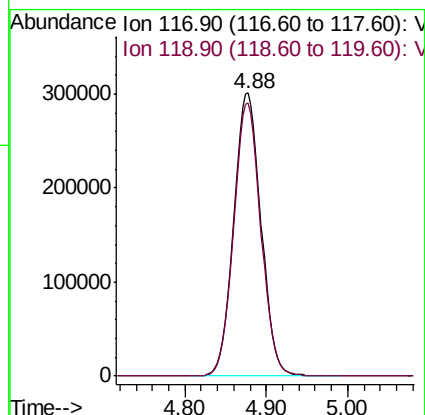
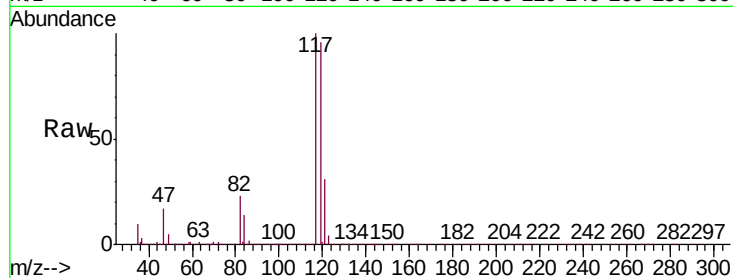




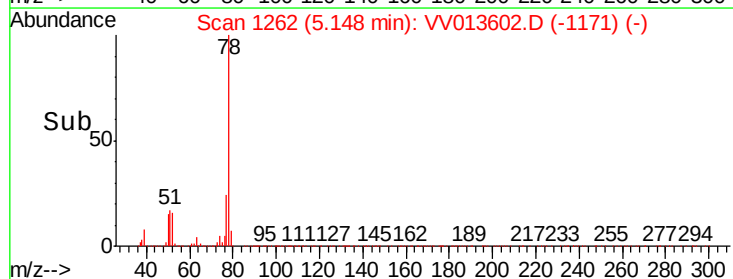
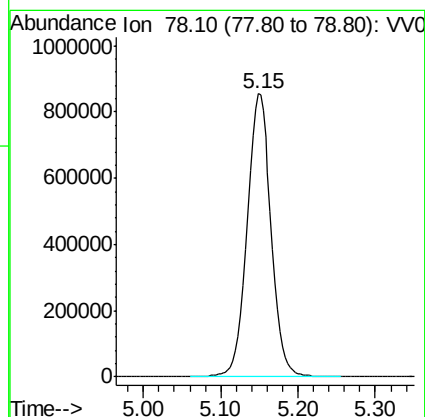
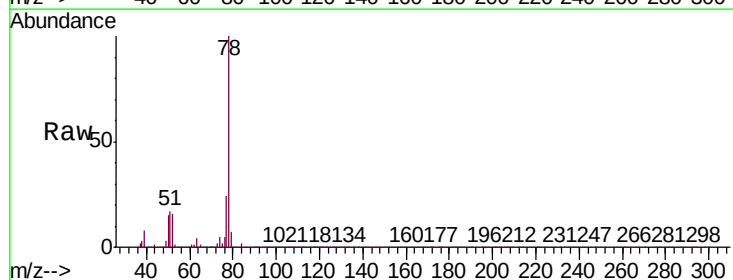
#31
Carbon tetrachloride
Concen: 18.283 ug/L
RT: 4.88 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VV013602.D
Acq: 13 Nov 2019 11:13

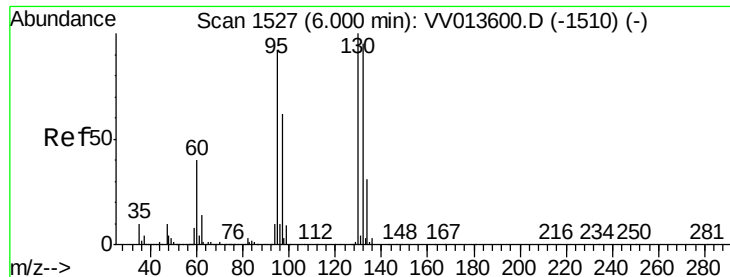
Instrument :
MSVOA_V
ClientSampleId :
VSTD02034

Tgt Ion:117 Resp: 700576
Ion Ratio Lower Upper
117 100
119 96.2 76.9 115.3



#33
Benzene
Concen: 16.734 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. -0.01 min
Lab File: VV013602.D
Acq: 13 Nov 2019 11:13
Tgt Ion: 78 Resp: 1843008





#34

Trichloroethene

Concen: 20.507 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. -0.04 min

Lab File: VV013602.D

Acq: 13 Nov 2019 11:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD02034

Tgt Ion: 95 Resp: 604737

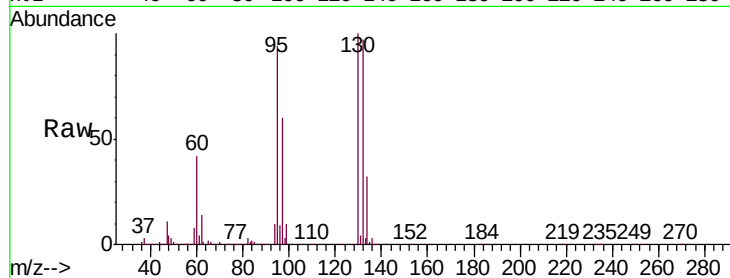
Ion Ratio Lower Upper

95 100

97 63.4 47.0 87.4

132 103.4 72.2 134.0

130 106.3 75.7 140.7

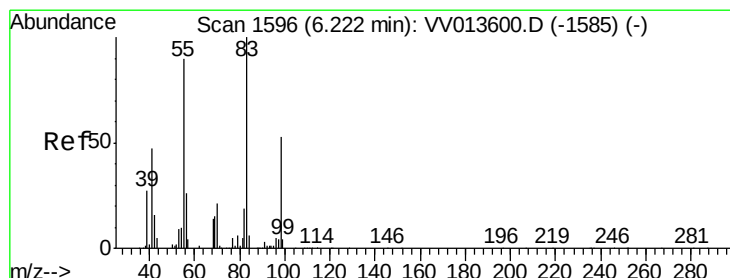
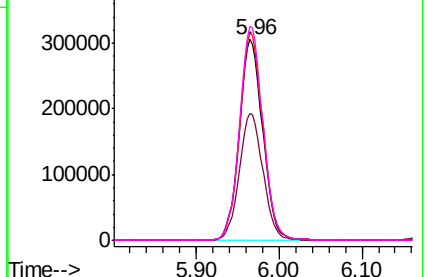
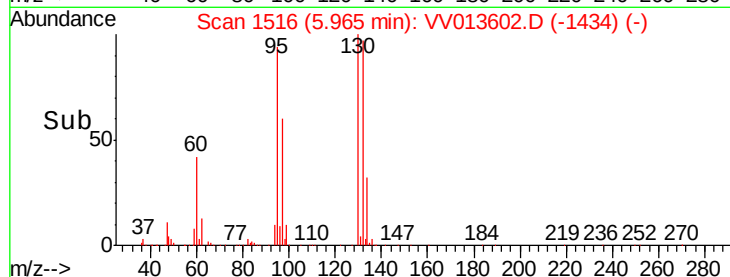


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 22.572 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. -0.04 min

Lab File: VV013602.D

Acq: 13 Nov 2019 11:13

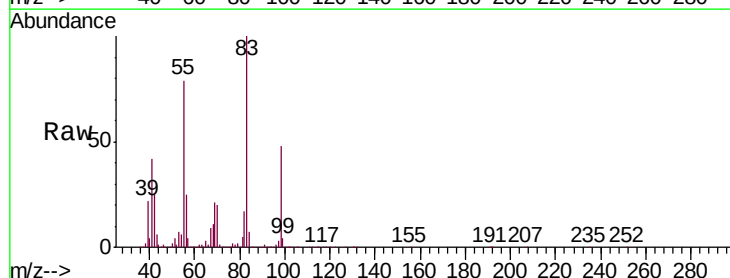
Tgt Ion: 83 Resp: 1000337

Ion Ratio Lower Upper

83 100

55 77.5 67.0 100.4

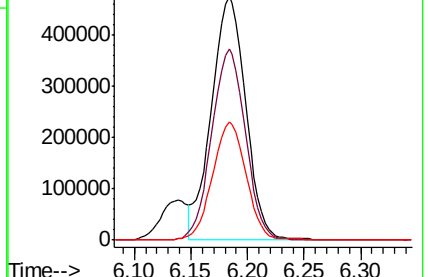
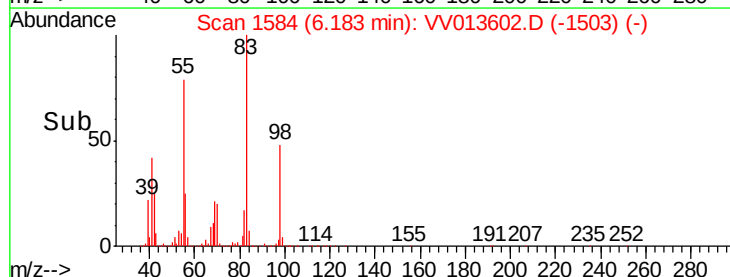
98 47.9 38.5 57.7

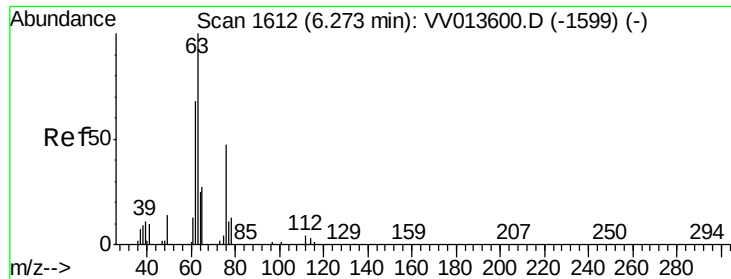


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

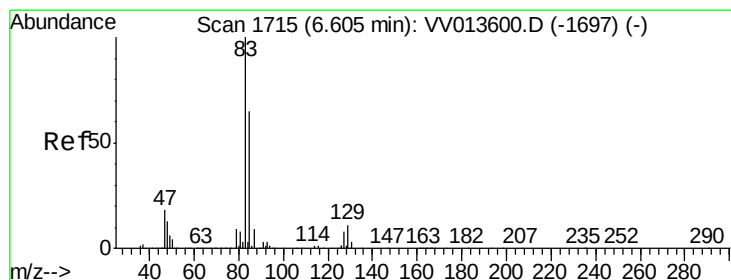
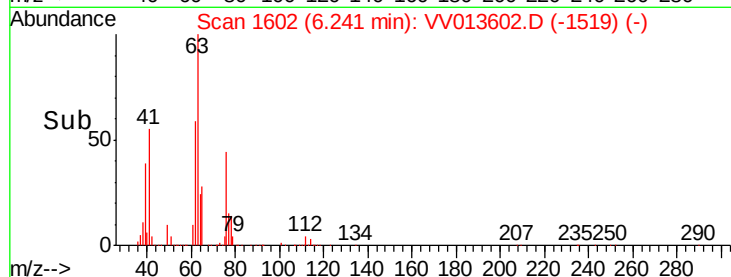
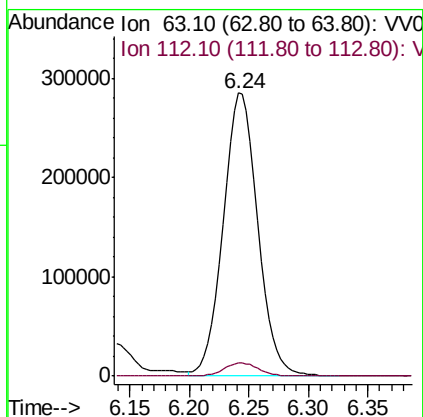
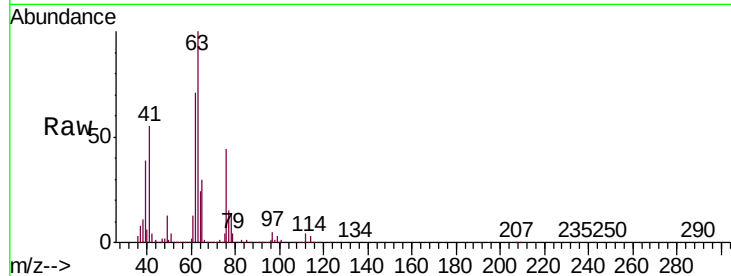




#37
 1,2-Dichloropropane
 Concen: 21.192 ug/L
 RT: 6.24 min Scan# 1602
 Delta R.T. -0.03 min
 Lab File: VV013602.D
 Acq: 13 Nov 2019 11:13

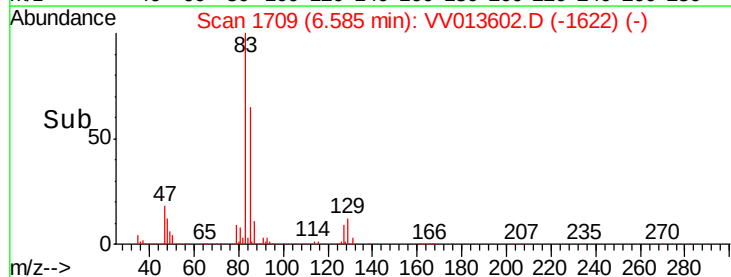
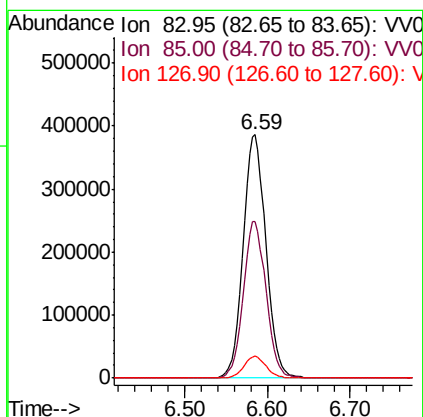
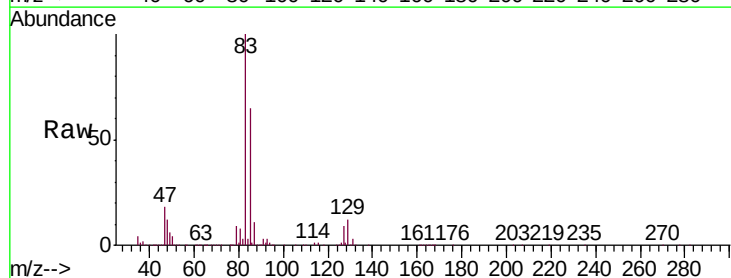
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02034

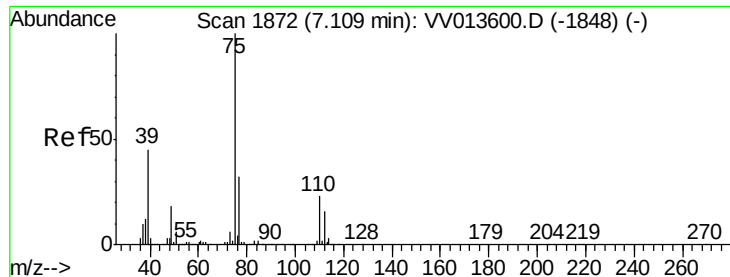
Tgt Ion: 63 Resp: 571741
 Ion Ratio Lower Upper
 63 100
 112 4.8 0.2 0.2#



#38
 Bromodichloromethane
 Concen: 21.062 ug/L
 RT: 6.59 min Scan# 1709
 Delta R.T. -0.02 min
 Lab File: VV013602.D
 Acq: 13 Nov 2019 11:13

Tgt Ion: 83 Resp: 735227
 Ion Ratio Lower Upper
 83 100
 85 64.6 45.5 84.5
 127 9.1 6.8 10.2



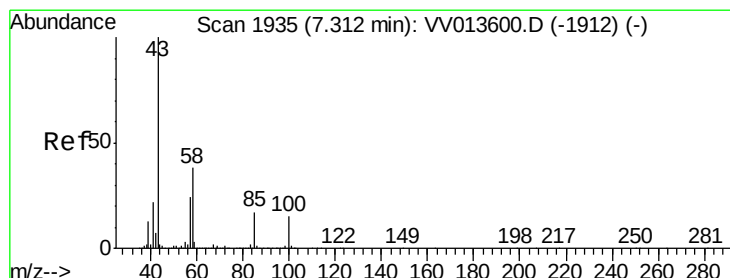
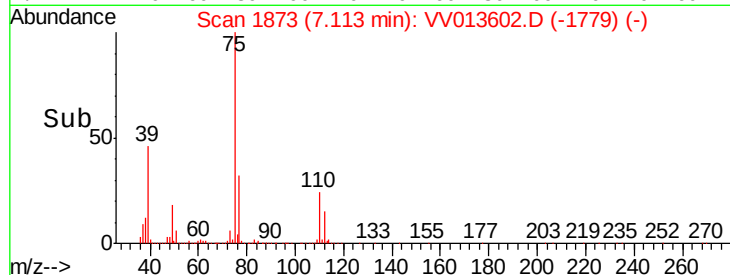
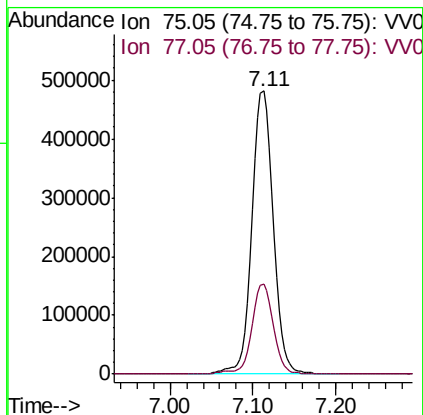
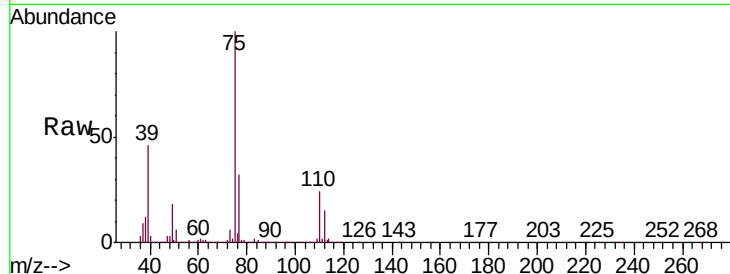


#39

cis-1,3-Dichloropropene
Concen: 22.963 ug/L
RT: 7.11 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VV013602.D
Acq: 13 Nov 2019 11:13

Instrument :
MSVOA_V
ClientSampled :
VSTD02034

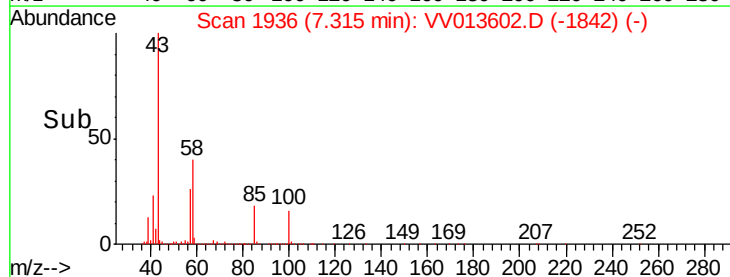
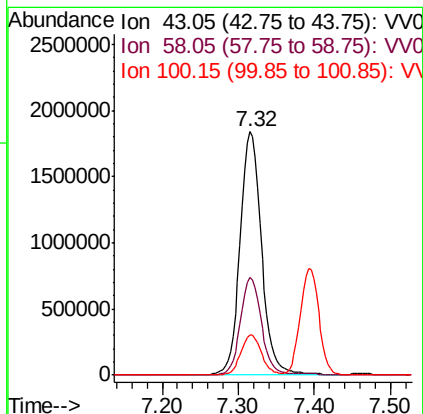
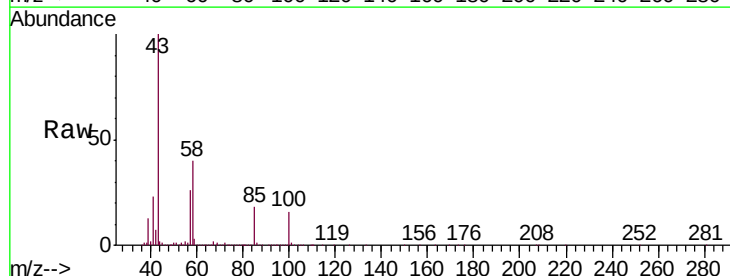
Tgt Ion: 75 Resp: 855564
Ion Ratio Lower Upper
75 100
77 31.8 22.3 41.3

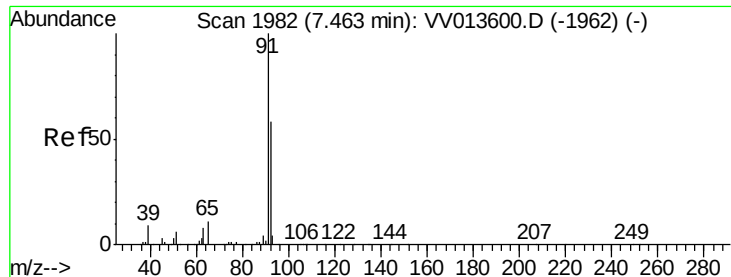


#40

4-Methyl-2-pentanone
Concen: 235.340 ug/L
RT: 7.32 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VV013602.D
Acq: 13 Nov 2019 11:13

Tgt Ion: 43 Resp: 3598647
Ion Ratio Lower Upper
43 100
58 39.4 30.6 45.8
100 16.1 12.0 18.0





#42

Toluene

Concen: 21.956 ug/L

RT: 7.46 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VV013602.D

Acq: 13 Nov 2019 11:13

Instrument :

MSVOA_V

ClientSampleId :

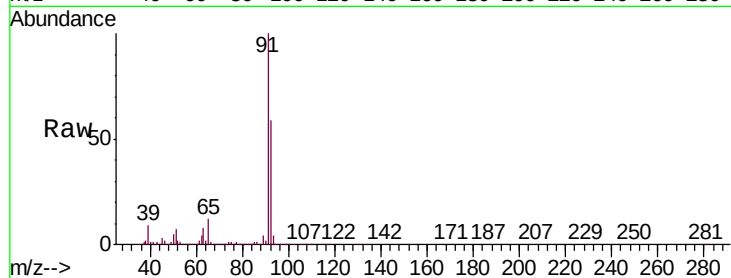
VSTD02034

Tgt Ion: 91 Resp: 2511594

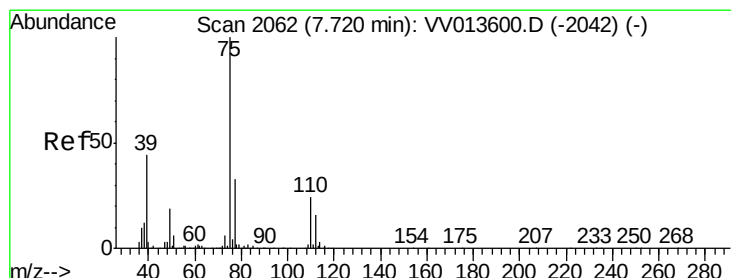
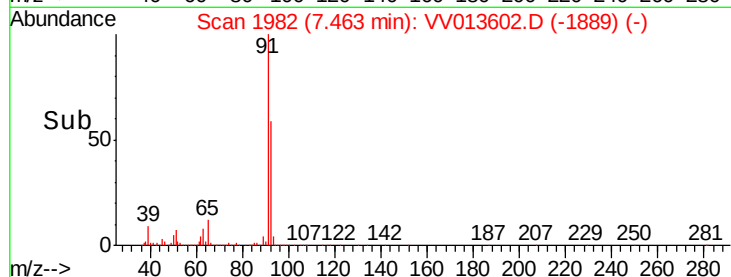
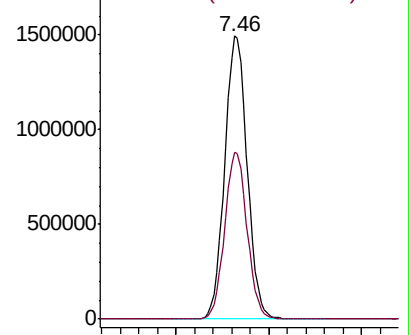
Ion Ratio Lower Upper

91 100

92 59.1 40.7 75.7



Abundance Ion 91.15 (90.85 to 91.85): VV013602.D (-1962) (-)



#44

trans-1,3-Dichloropropene

Concen: 22.530 ug/L

RT: 7.72 min Scan# 2062

Delta R.T. -0.00 min

Lab File: VV013602.D

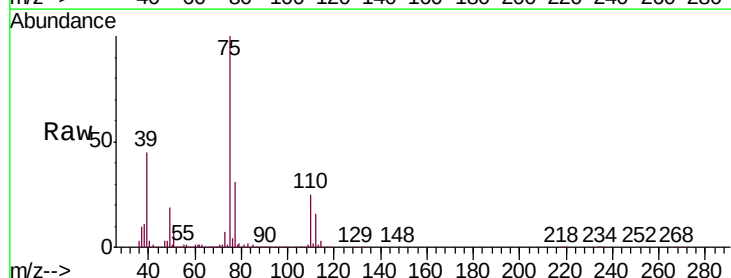
Acq: 13 Nov 2019 11:13

Tgt Ion: 75 Resp: 666076

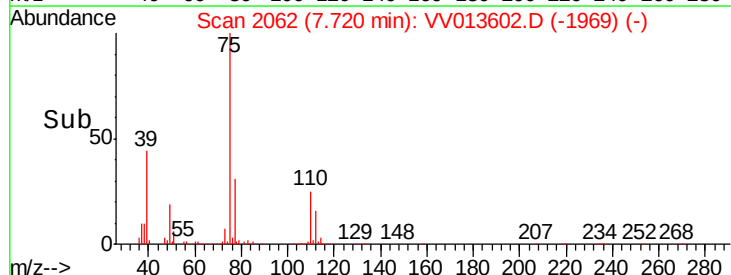
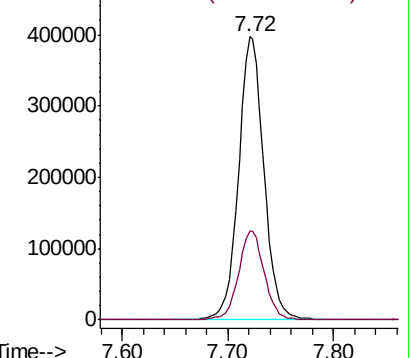
Ion Ratio Lower Upper

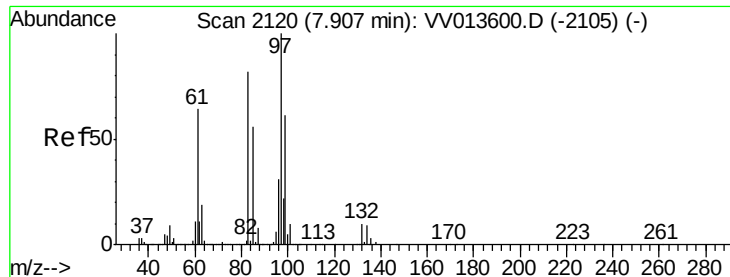
75 100

77 31.4 23.2 43.0



Abundance Ion 75.05 (74.75 to 75.75): VV013602.D (-2042) (-)

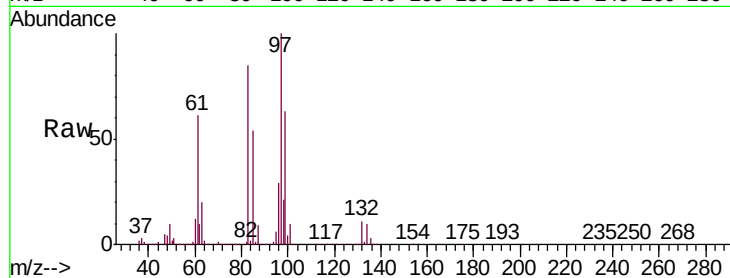




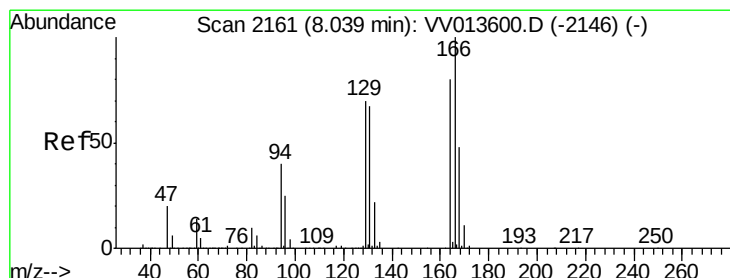
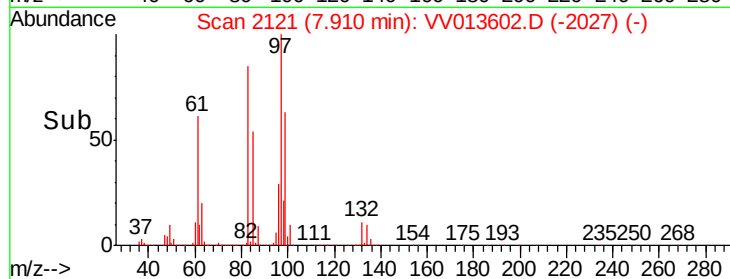
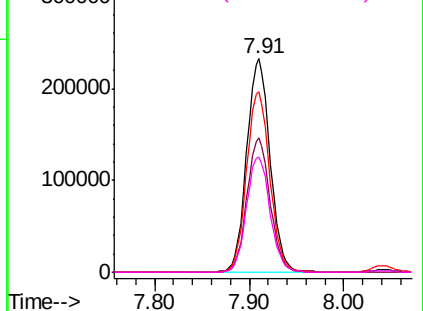
#45
 1,1,2-Trichloroethane
 Concen: 21.412 ug/L
 RT: 7.91 min Scan# 2121
 Delta R.T. 0.00 min
 Lab File: VV013602.D
 Acq: 13 Nov 2019 11:13

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02034

Tgt Ion:	97	Resp:	398183
Ion	Ratio	Lower	Upper
97	100		
99	62.9	42.5	78.9
83	84.7	57.2	106.2
85	54.0	39.1	72.7

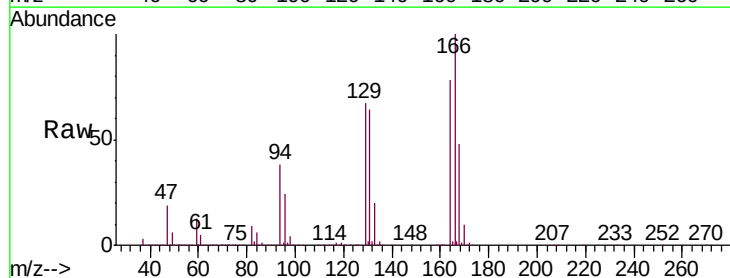


Abundance Ion 96.95 (96.65 to 97.65): VV013602.D (-2105) (-)
 Ion 99.05 (98.75 to 99.75): VV013602.D (-2105) (-)
 Ion 82.95 (82.65 to 83.65): VV013602.D (-2105) (-)
 Ion 85.00 (84.70 to 85.70): VV013602.D (-2105) (-)

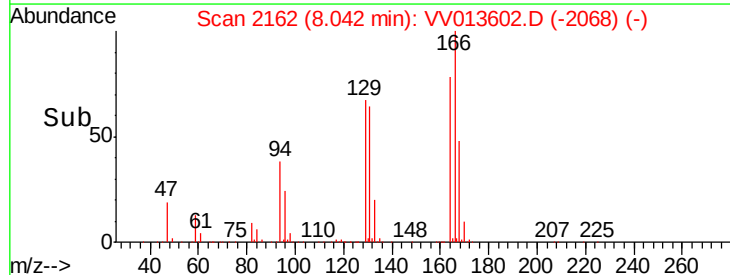
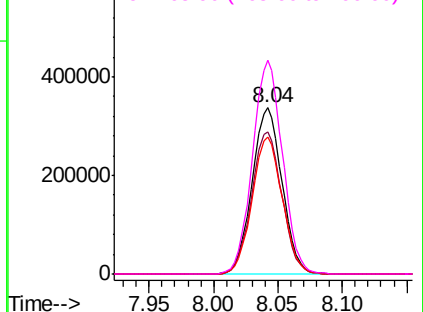


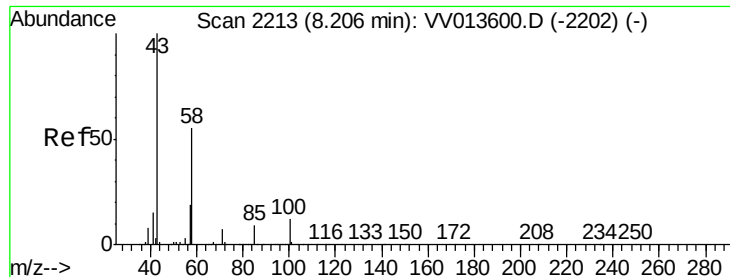
#47
 Tetrachloroethene
 Concen: 21.149 ug/L
 RT: 8.04 min Scan# 2162
 Delta R.T. 0.00 min
 Lab File: VV013602.D
 Acq: 13 Nov 2019 11:13

Tgt Ion:	164	Resp:	548467
Ion	Ratio	Lower	Upper
164	100		
129	86.0	61.6	114.4
131	83.0	59.0	109.6
166	128.8	87.9	163.3



Abundance Ion 163.90 (163.60 to 164.60): VV013602.D (-2146) (-)
 Ion 128.95 (128.65 to 129.65): VV013602.D (-2146) (-)
 Ion 130.95 (130.65 to 131.65): VV013602.D (-2146) (-)
 Ion 165.90 (165.60 to 166.60): VV013602.D (-2146) (-)

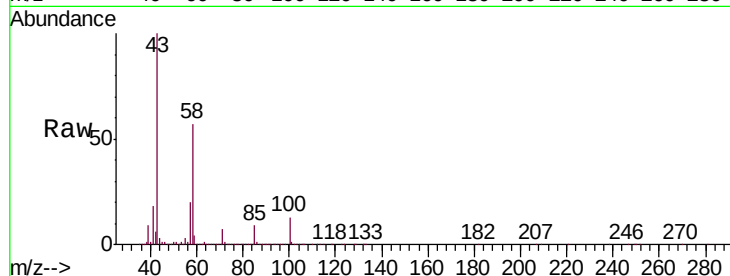




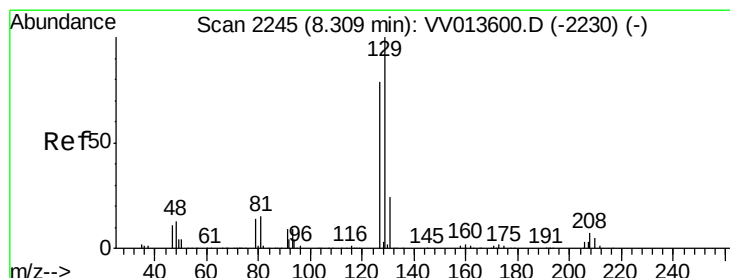
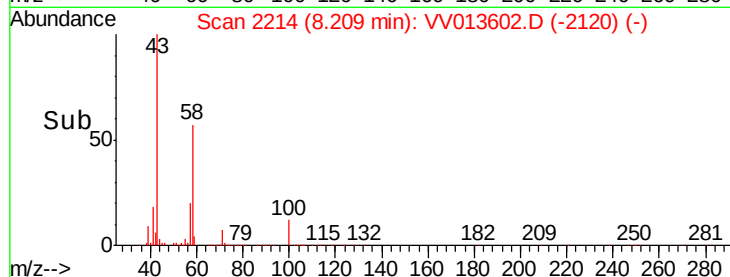
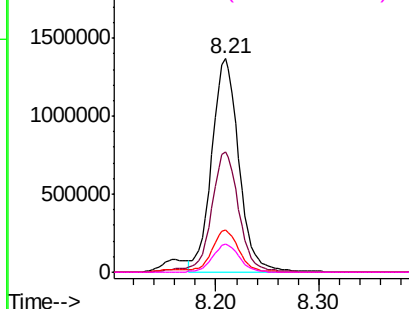
#48
2-Hexanone
Concen: 227.764 ug/L
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VV013602.D
Acq: 13 Nov 2019 11:13

Instrument :
MSVOA_V
ClientSampleId :
VSTD02034

Tgt Ion: 43 Resp: 2496255
Ion Ratio Lower Upper
43 100
58 57.6 45.1 67.7
57 19.8 14.6 21.8
100 13.1 10.2 15.2

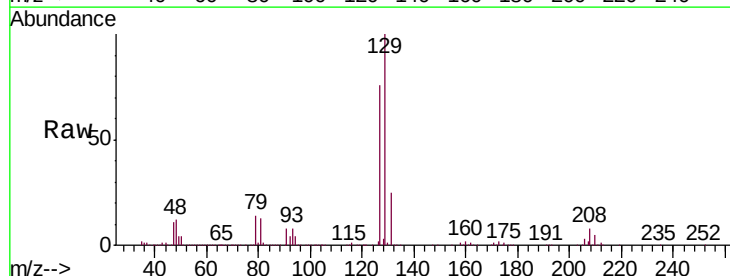


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

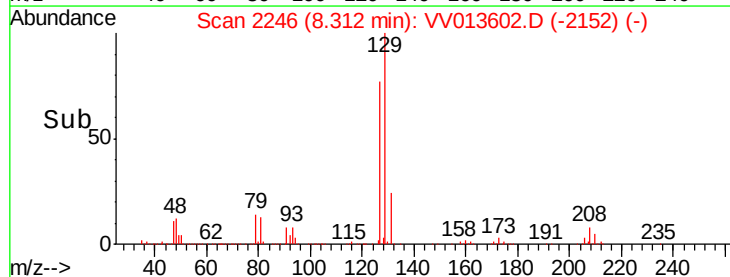
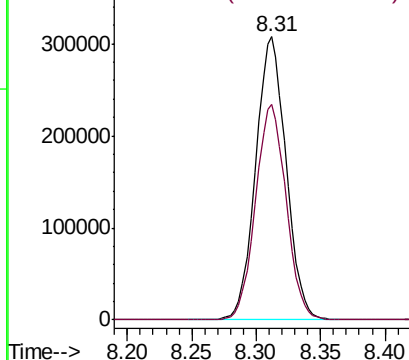


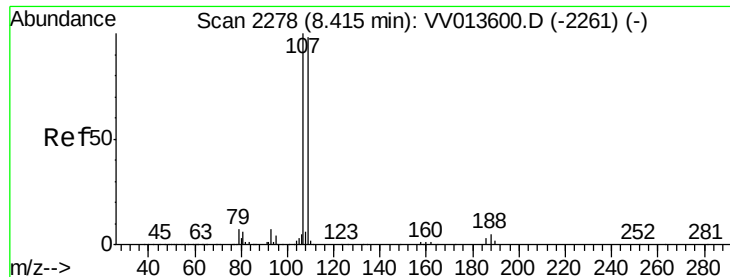
#49
Dibromochloromethane
Concen: 21.804 ug/L
RT: 8.31 min Scan# 2246
Delta R.T. 0.00 min
Lab File: VV013602.D
Acq: 13 Nov 2019 11:13

Tgt Ion: 129 Resp: 506281
Ion Ratio Lower Upper
129 100
127 76.1 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: 21.631 ug/L

RT: 8.42 min Scan# 2279

Delta R.T. 0.00 min

Lab File: VV013602.D

Acq: 13 Nov 2019 11:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD02034

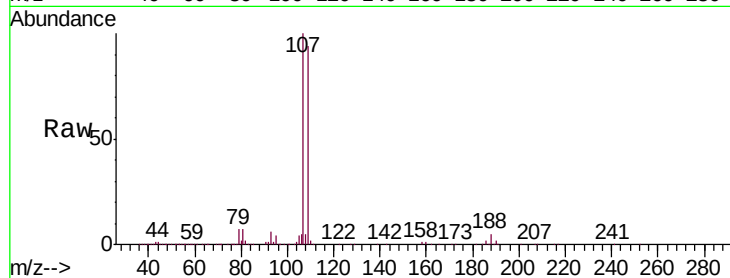
Tgt Ion:107 Resp: 374970

Ion Ratio Lower Upper

107 100

109 93.9 69.0 128.2

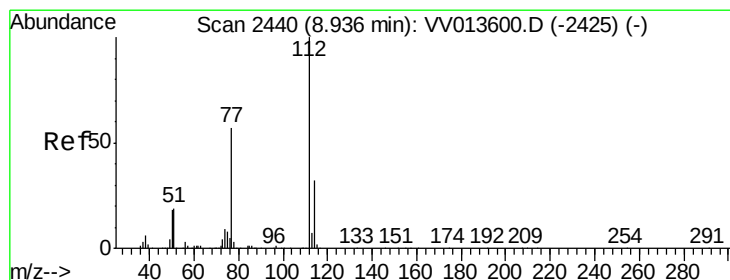
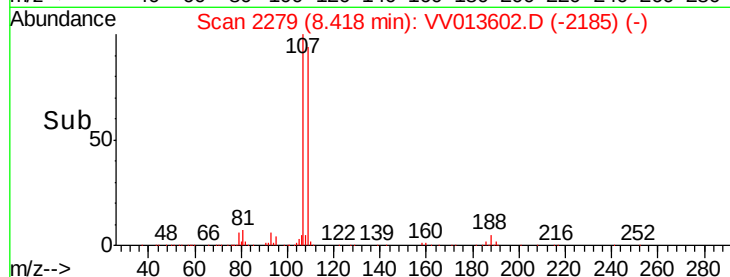
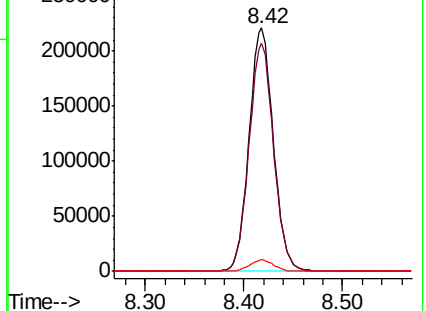
188 4.7 3.8 5.6



Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51

Chlorobenzene

Concen: 20.964 ug/L

RT: 8.94 min Scan# 2441

Delta R.T. 0.00 min

Lab File: VV013602.D

Acq: 13 Nov 2019 11:13

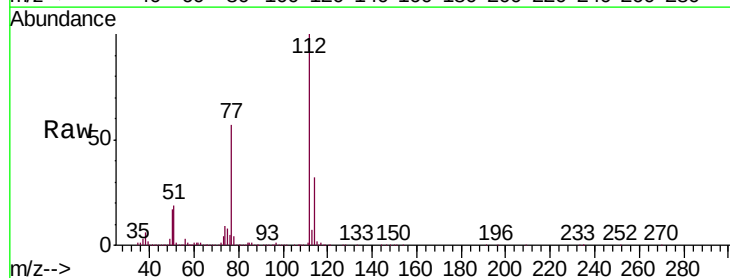
Tgt Ion:112 Resp: 1584502

Ion Ratio Lower Upper

112 100

114 32.5 22.3 41.5

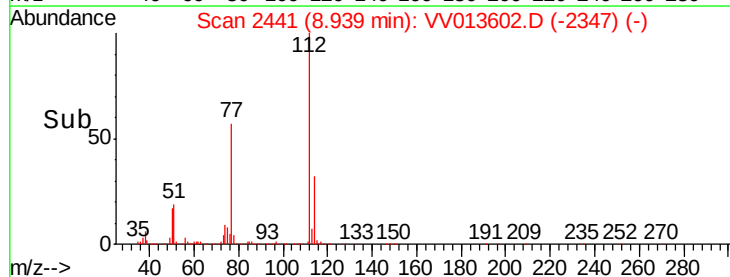
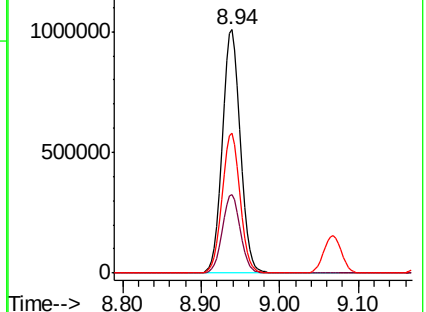
77 57.4 46.0 69.0

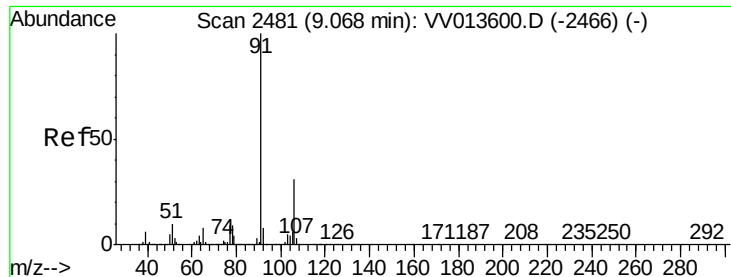


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 22.858 ug/L

RT: 9.07 min Scan# 2481

Delta R.T. -0.00 min

Lab File: VV013602.D

Acq: 13 Nov 2019 11:13

Instrument :

MSVOA_V

ClientSampleId :

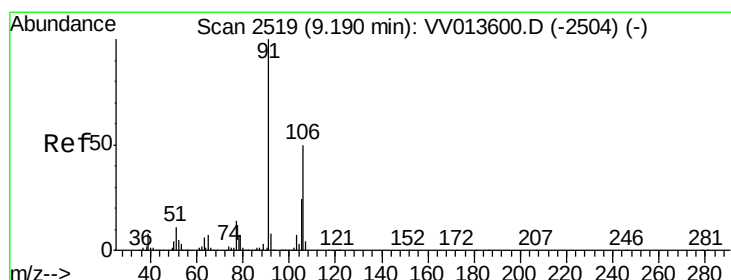
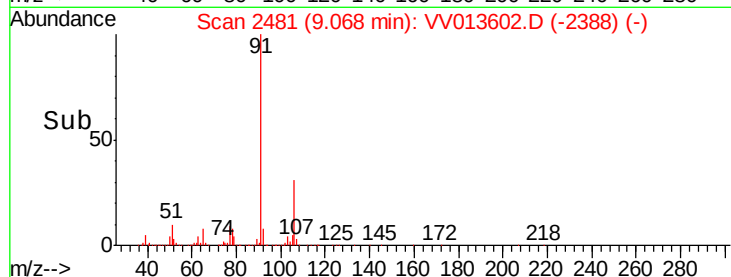
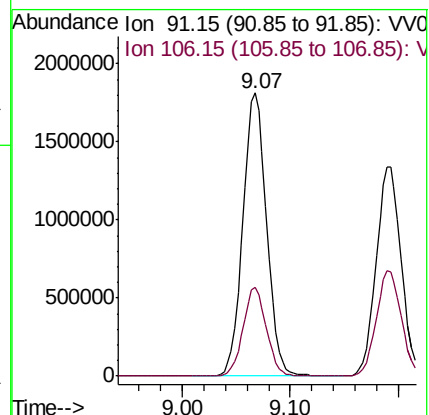
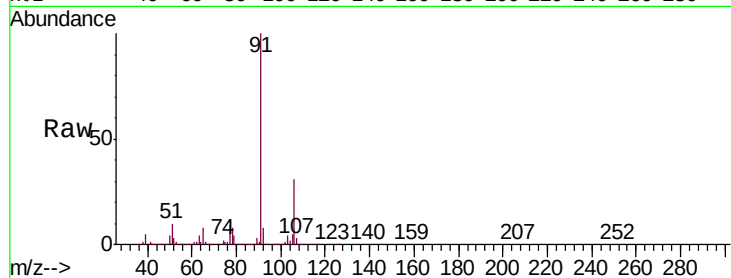
VSTD02034

Tgt Ion: 91 Resp: 2780357

Ion Ratio Lower Upper

91 100

106 31.2 21.7 40.3



#53

m,p-xylene

Concen: 23.612 ug/L

RT: 9.19 min Scan# 2519

Delta R.T. -0.00 min

Lab File: VV013602.D

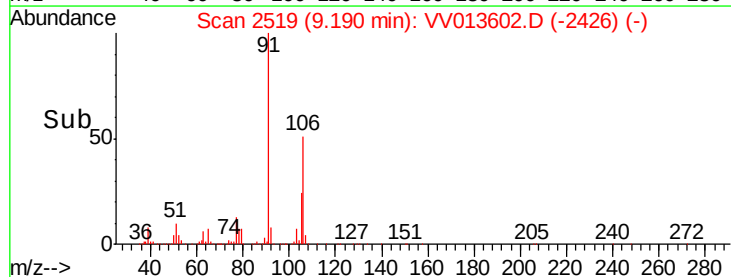
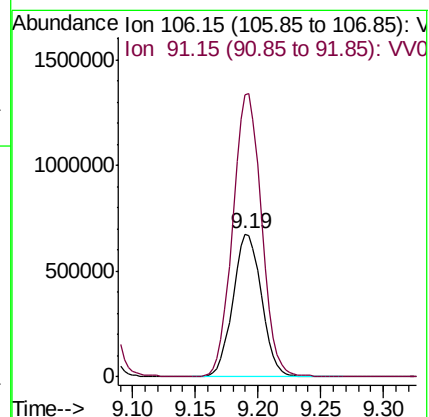
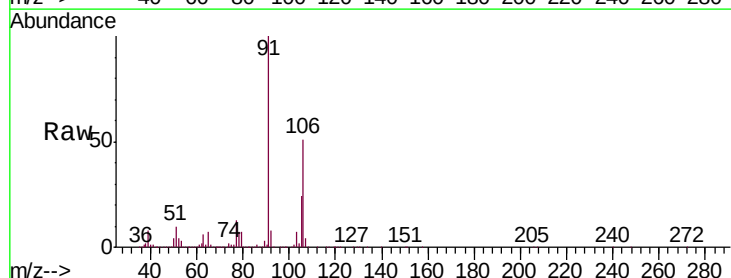
Acq: 13 Nov 2019 11:13

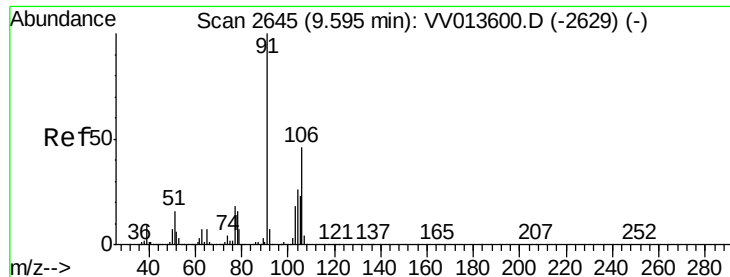
Tgt Ion: 106 Resp: 1076630

Ion Ratio Lower Upper

106 100

91 197.7 139.9 259.9





#54

o-xylene

Concen: 23.548 ug/L

RT: 9.59 min Scan# 2645

Delta R.T. -0.00 min

Lab File: VV013602.D

Acq: 13 Nov 2019 11:13

Instrument :

MSVOA_V

ClientSampleId :

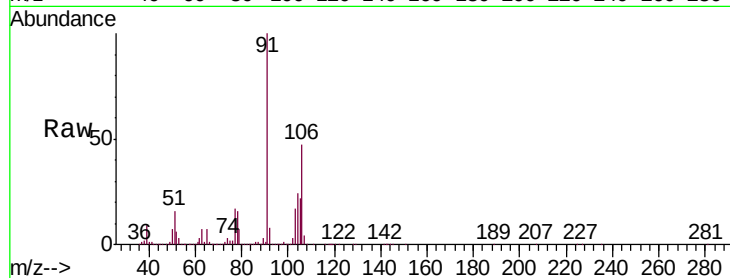
VSTD02034

Tgt Ion:106 Resp: 1024941

Ion Ratio Lower Upper

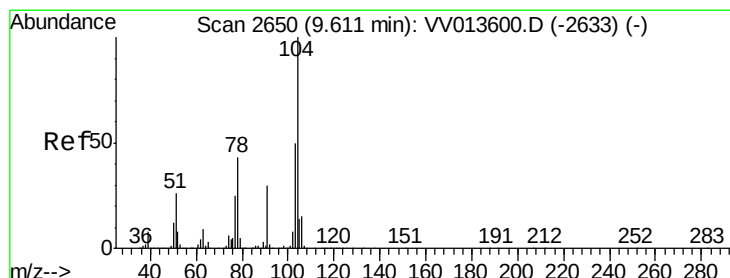
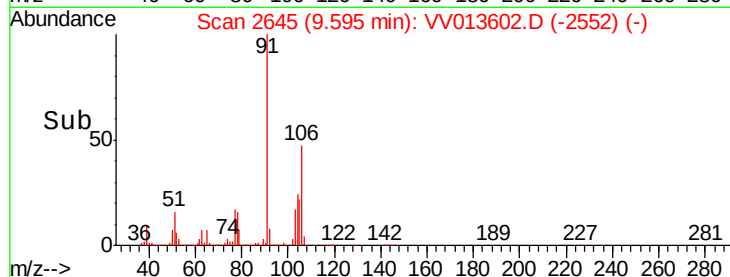
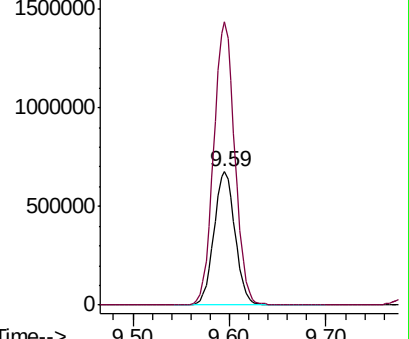
106 100

91 212.0 152.7 283.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 24.269 ug/L

RT: 9.61 min Scan# 2650

Delta R.T. -0.00 min

Lab File: VV013602.D

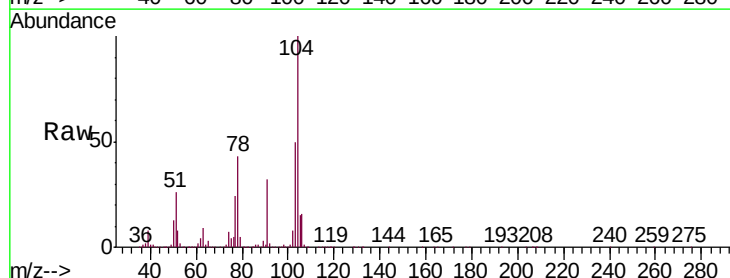
Acq: 13 Nov 2019 11:13

Tgt Ion:104 Resp: 1805641

Ion Ratio Lower Upper

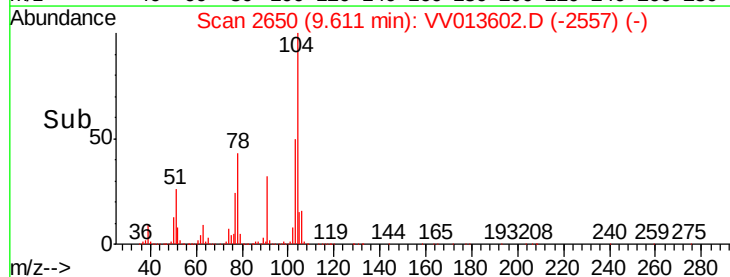
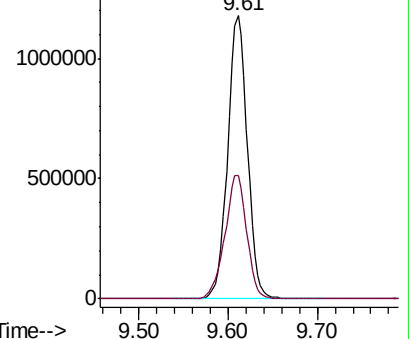
104 100

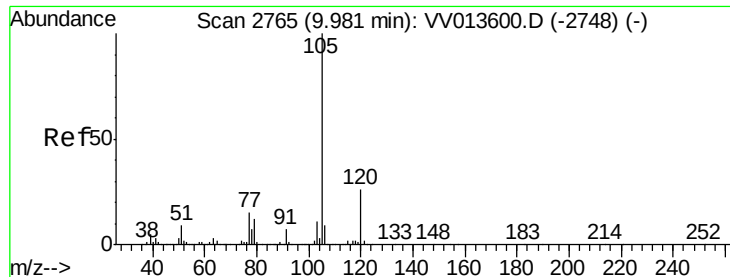
78 43.4 30.3 56.3



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 23.475 ug/L

RT: 9.98 min Scan# 2765

Delta R.T. -0.00 min

Lab File: VV013602.D

Acq: 13 Nov 2019 11:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD02034

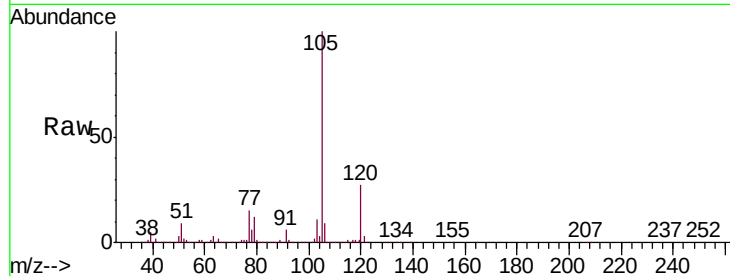
Tgt Ion: 105 Resp: 2756594

Ion Ratio Lower Upper

105 100

120 26.6 20.8 31.2

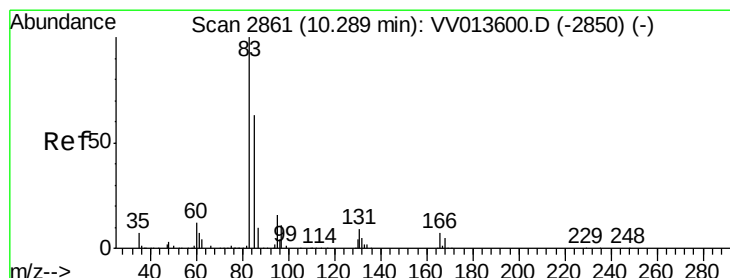
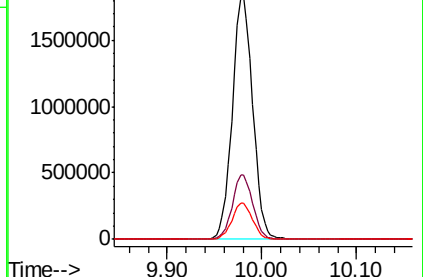
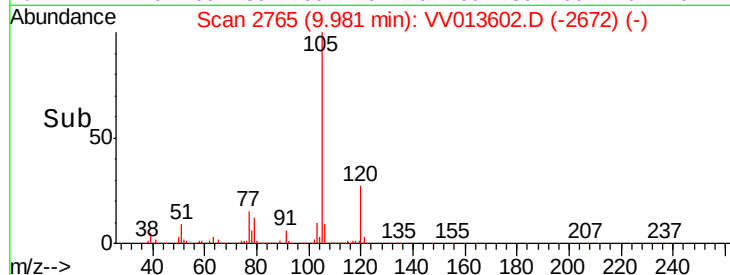
77 14.9 12.6 18.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 22.536 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. -0.00 min

Lab File: VV013602.D

Acq: 13 Nov 2019 11:13

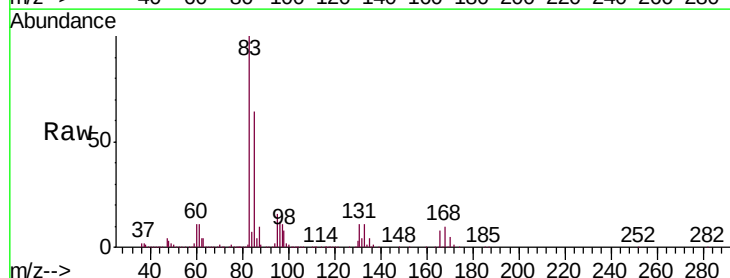
Tgt Ion: 83 Resp: 450421

Ion Ratio Lower Upper

83 100

85 64.4 45.2 84.0

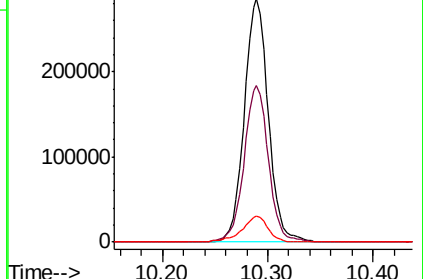
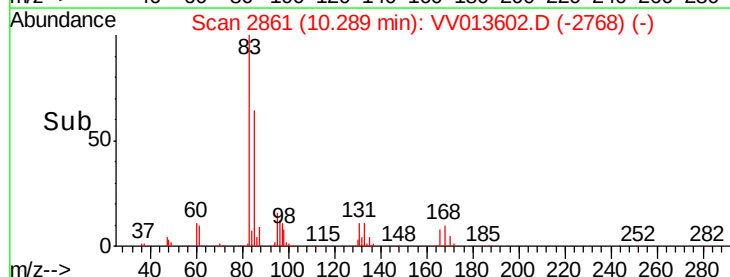
131 10.5 8.2 12.2

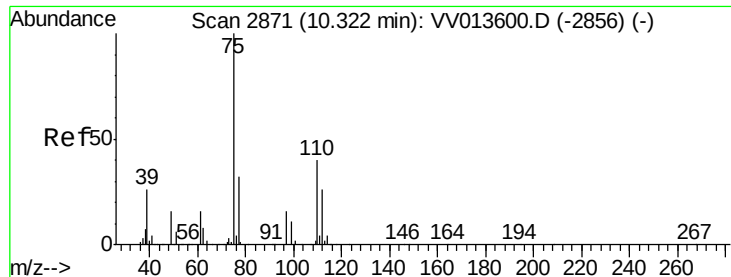


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 21.168 ug/L

RT: 10.32 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VV013602.D

Acq: 13 Nov 2019 11:13

Instrument :

MSVOA_V

ClientSampleId :

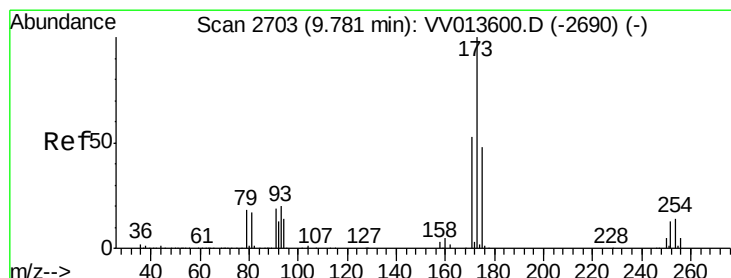
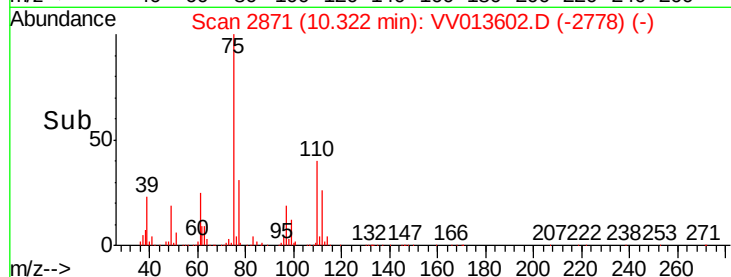
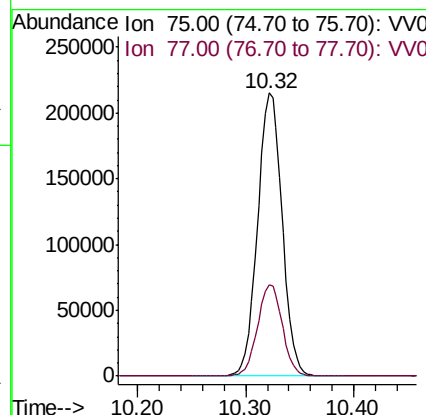
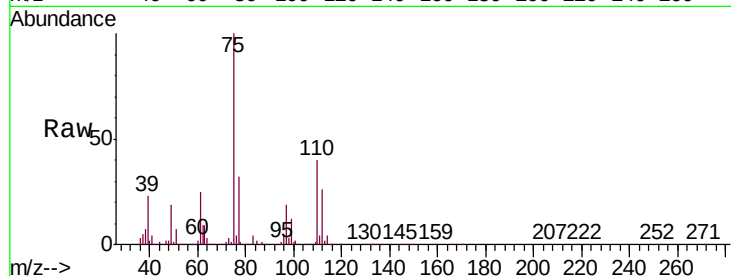
VSTD02034

Tgt Ion: 75 Resp: 339500

Ion Ratio Lower Upper

75 100

77 32.5 25.8 38.6



#61

Bromoform

Concen: 20.609 ug/L

RT: 9.78 min Scan# 2703

Delta R.T. -0.00 min

Lab File: VV013602.D

Acq: 13 Nov 2019 11:13

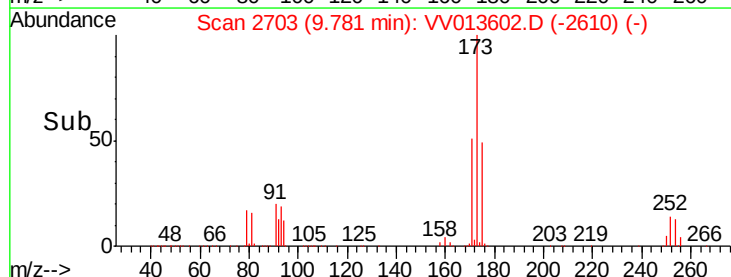
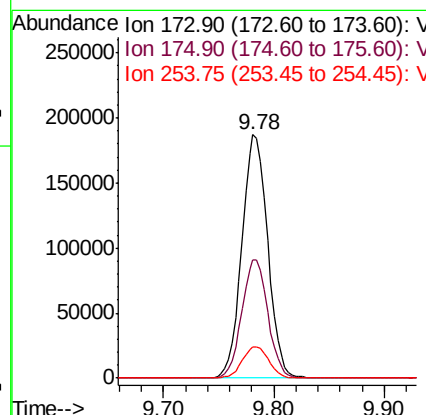
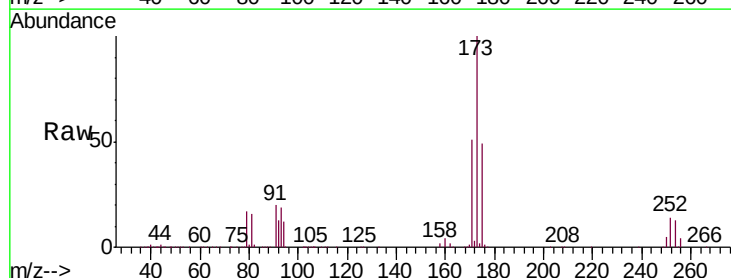
Tgt Ion: 173 Resp: 303593

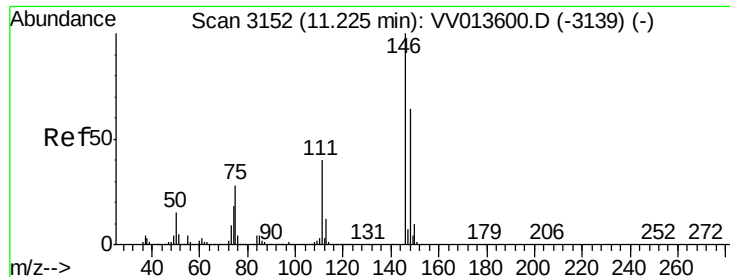
Ion Ratio Lower Upper

173 100

175 49.1 38.6 57.8

254 13.2 11.4 17.0





#62

1,3-Dichlorobenzene

Concen: 20.035 ug/L

RT: 11.23 min Scan# 3152

Delta R.T. -0.00 min

Lab File: VV013602.D

Acq: 13 Nov 2019 11:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD02034

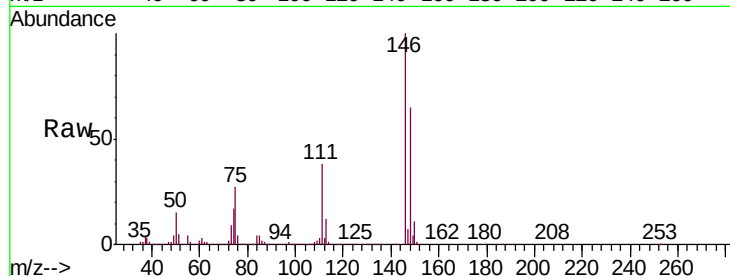
Tgt Ion:146 Resp: 1371230

Ion Ratio Lower Upper

146 100

111 38.0 27.6 51.4

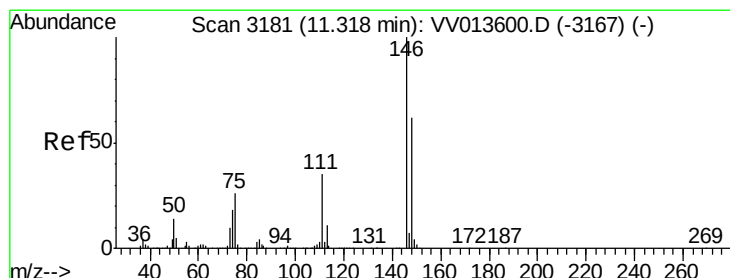
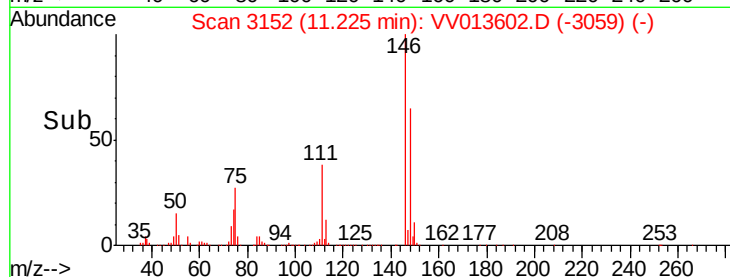
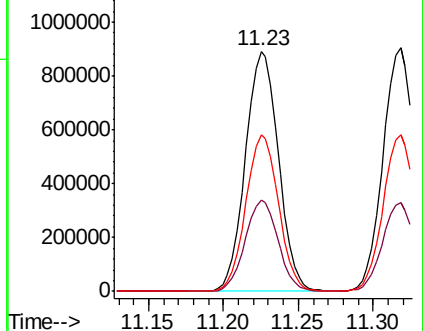
148 65.2 45.1 83.9



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: 19.905 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. -0.00 min

Lab File: VV013602.D

Acq: 13 Nov 2019 11:13

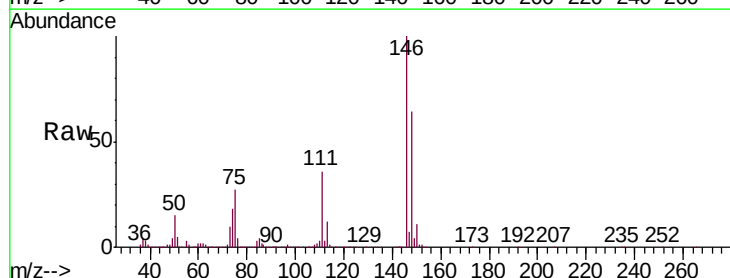
Tgt Ion:146 Resp: 1366680

Ion Ratio Lower Upper

146 100

111 36.4 24.7 45.9

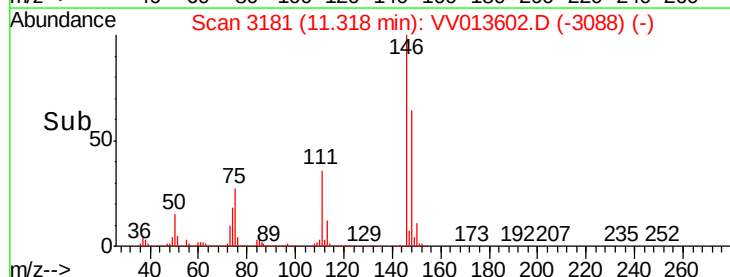
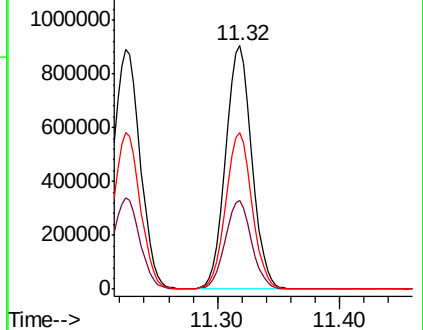
148 64.5 43.8 81.3

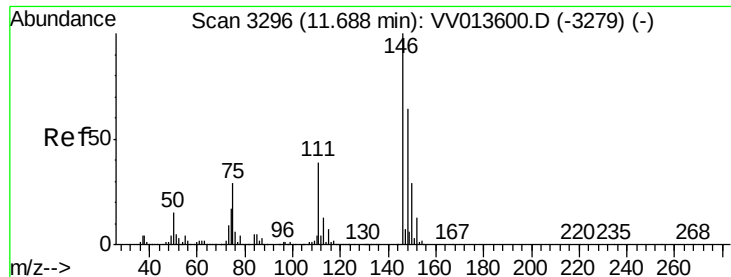


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

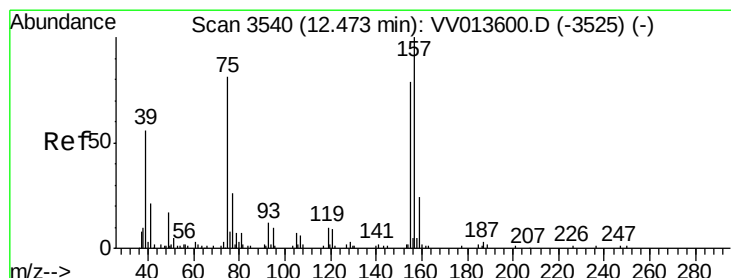
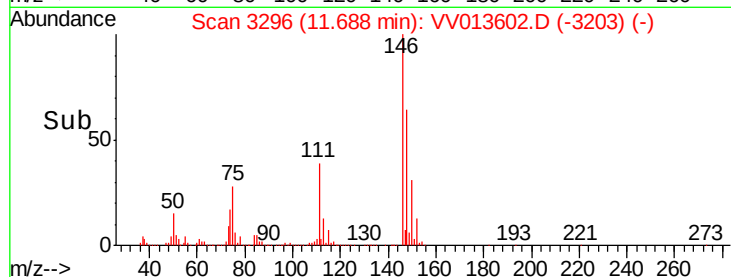
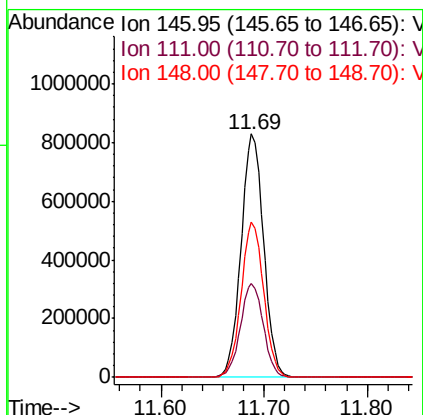
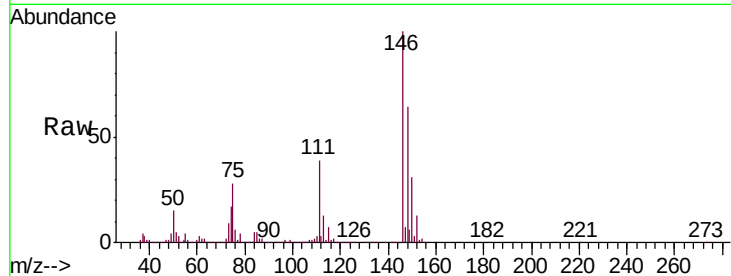




#65
 1,2-Dichlorobenzene
 Concen: 20.045 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. -0.00 min
 Lab File: VV013602.D
 Acq: 13 Nov 2019 11:13

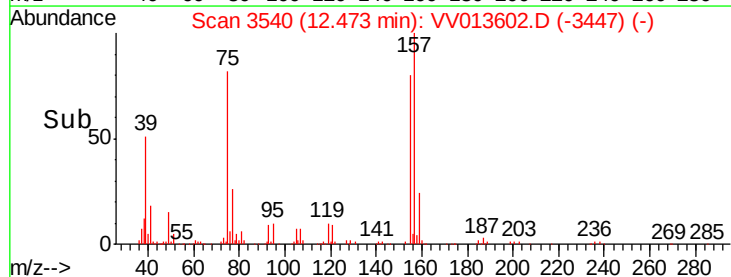
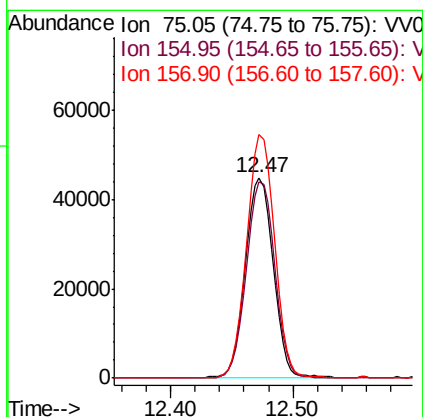
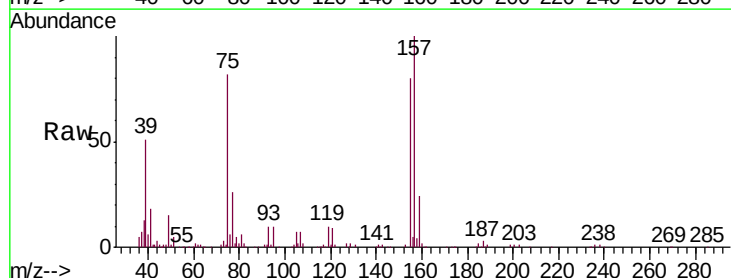
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02034

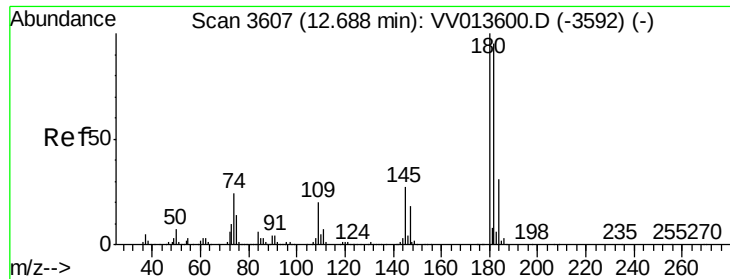
Tgt Ion:146 Resp: 1261322
 Ion Ratio Lower Upper
 146 100
 111 38.7 31.4 47.0
 148 63.9 51.0 76.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 21.518 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. -0.00 min
 Lab File: VV013602.D
 Acq: 13 Nov 2019 11:13

Tgt Ion: 75 Resp: 70833
 Ion Ratio Lower Upper
 75 100
 155 97.7 78.3 117.5
 157 121.4 99.0 148.4

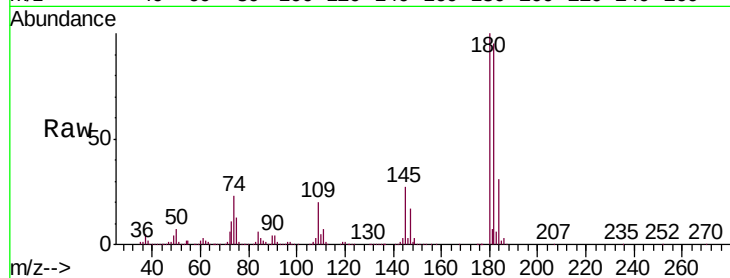




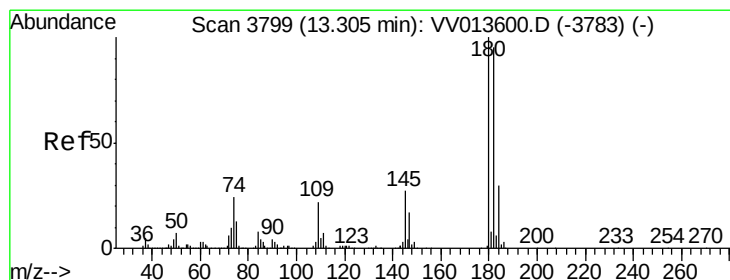
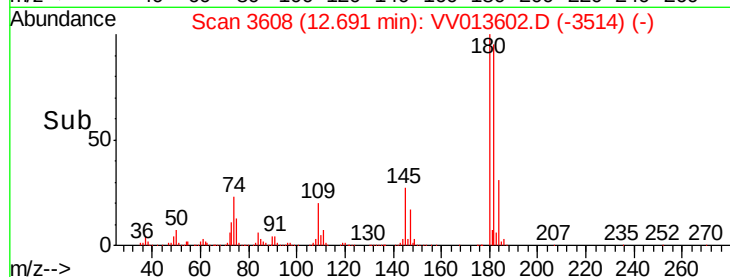
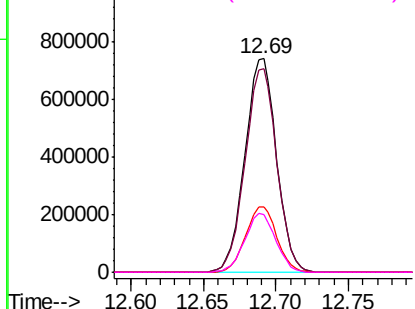
#67
 1,3,5-Trichlorobenzene
 Concen: 20.919 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV013602.D
 Acq: 13 Nov 2019 11:13

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02034

Tgt Ion:180 Resp: 1123170
 Ion Ratio Lower Upper
 180 100
 182 95.5 76.7 115.1
 184 30.4 24.8 37.2
 145 27.0 21.5 32.3

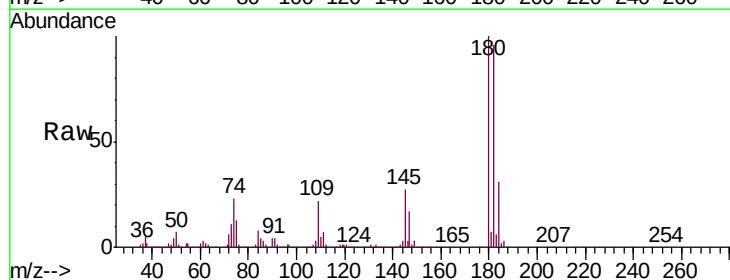


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

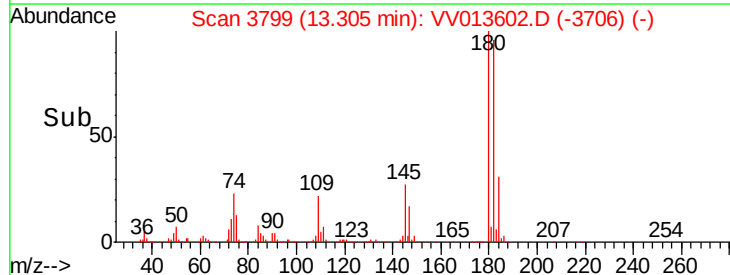
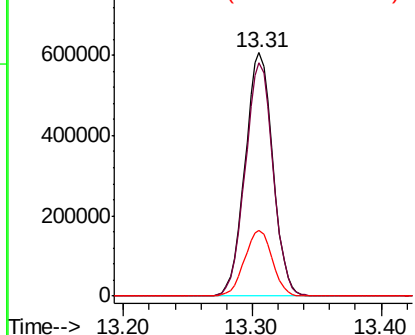


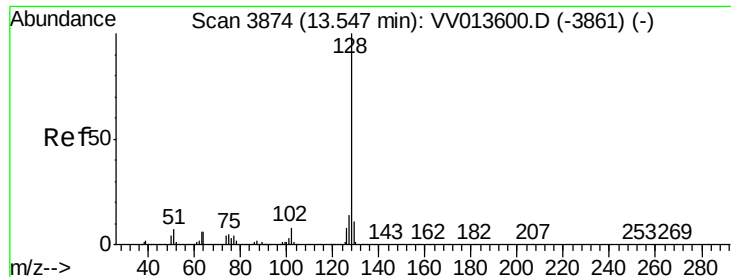
#68
 1,2,4-trichlorobenzene
 Concen: 21.427 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. -0.00 min
 Lab File: VV013602.D
 Acq: 13 Nov 2019 11:13

Tgt Ion:180 Resp: 906626
 Ion Ratio Lower Upper
 180 100
 182 96.0 75.7 113.5
 145 27.1 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: 24.069 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. -0.00 min

Lab File: VV013602.D

Acq: 13 Nov 2019 11:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD02034

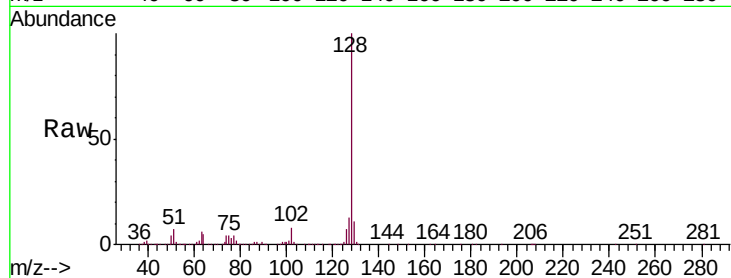
Tgt Ion:128 Resp: 1360481

Ion Ratio Lower Upper

128 100

129 10.9 8.2 12.4

127 13.2 11.2 16.8

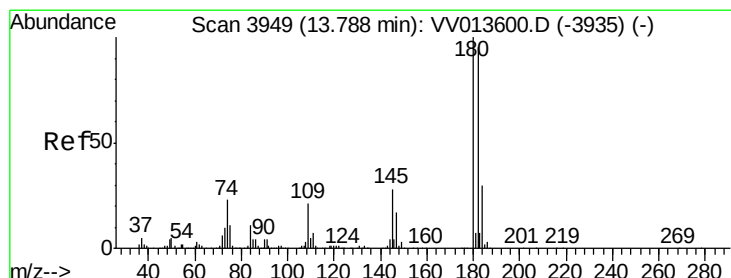
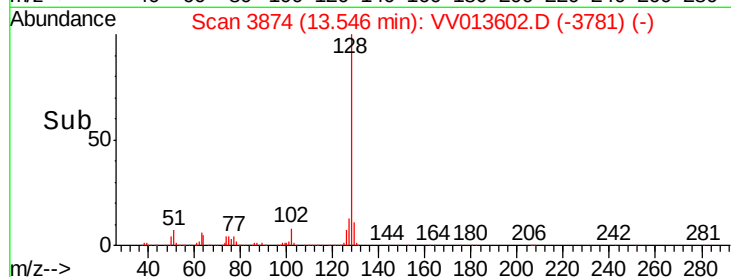
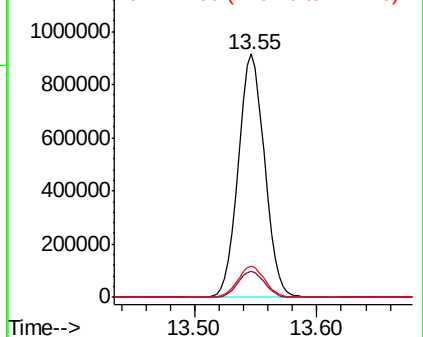


Abundance

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: 21.386 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VV013602.D

Acq: 13 Nov 2019 11:13

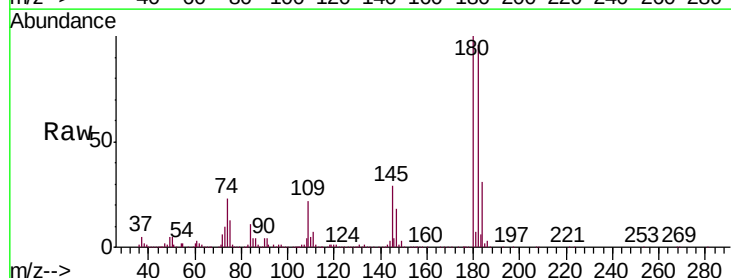
Tgt Ion:180 Resp: 855437

Ion Ratio Lower Upper

180 100

182 96.4 75.4 113.2

145 29.0 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

