

Data File : VV013535.D
Acq On : 08 Nov 2019 11:33
Operator : SY/MD
Sample : VSTD02033
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02033

Quant Time: Nov 08 21:49:49 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR110819WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Nov 08 21:45:28 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	449514	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	424251	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	235513	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	401322	19.81	ug/L	0.00
7) Chloroethane-d5	1.58	69	357908	20.03	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	761725	20.05	ug/L	0.00
20) 2-Butanone-d5	3.95	46	1526261	222.31	ug/L	0.00
24) Chloroform-d	4.40	84	1063931	20.21	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	537082	20.25	ug/L	0.00
32) Benzene-d6	5.09	84	1893636	20.55	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.11	67	639403	20.67	ug/L	0.00
41) Toluene-d8	7.36	98	1678844	21.21	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	253823	20.91	ug/L	0.00
46) 2-Hexanone-d5	8.13	63	1189156	264.57	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.25	84	506962	21.16	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	802139	19.12	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	885246	20.173 ug/L	99
3) Chloromethane	1.25	50	798220	21.062 ug/L	100
5) Vinyl chloride	1.32	62	761640	20.974 ug/L	99
6) Bromomethane	1.54	94	421588	22.141 ug/L	99
8) Chloroethane	1.60	64	409445	20.294 ug/L	97
9) Trichlorofluoromethane	1.77	101	968569	20.062 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	565720	20.853 ug/L	99
12) 1,1-Dichloroethene	2.14	96	527434	21.021 ug/L	95
13) Acetone	2.22	43	782118	196.673 ug/L	98
14) Carbon disulfide	2.32	76	1608090	20.856 ug/L	100
15) Methyl Acetate	2.46	43	261248	21.838 ug/L	96
16) Methylene chloride	2.53	84	648644	18.213 ug/L	99
17) Methyl tert-butyl Ether	2.80	73	1480570	21.381 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	669677	20.706 ug/L	99
19) 1,1-Dichloroethane	3.23	63	1251203	20.455 ug/L	98
21) 2-Butanone	4.03	43	1685016	222.863 ug/L	95
22) cis-1,2-Dichloroethene	3.96	96	733185	21.817 ug/L	95
23) Bromochloromethane	4.30	128	311830	20.599 ug/L	97
25) Chloroform	4.42	83	1254333	19.496 ug/L	97
27) 1,2-Dichloroethane	5.17	62	751313	20.877 ug/L	99
29) 1,1,1-Trichloroethane	4.65	97	1081969	21.210 ug/L	99
30) Cyclohexane	4.72	56	1216194	22.956 ug/L	99
31) Carbon tetrachloride	4.87	117	989792	21.631 ug/L	100
33) Benzene	5.14	78	2768715	21.673 ug/L	100
34) Trichloroethene	5.96	95	725913	21.119 ug/L	100
35) Methylcyclohexane	6.17	83	1237270	23.168 ug/L	99
37) 1,2-Dichloropropane	6.22	63	693609	21.606 ug/L	100
38) Bromodichloromethane	6.55	83	863154	21.022 ug/L	97
39) cis-1,3-Dichloropropene	7.07	75	1030790	23.799 ug/L	100
40) 4-Methyl-2-pentanone	7.27	43	4120152	227.527 ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	2974616	22.504	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	796053	23.001	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	457720	20.709	ug/L	97
47) Tetrachloroethene	8.01	164	652790	21.363	ug/L	99
48) 2-Hexanone	8.18	43	2882592	227.707	ug/L	99
49) Dibromochloromethane	8.29	129	594870	21.795	ug/L	100
50) 1,2-Dibromoethane	8.39	107	437291	21.172	ug/L	99
51) Chlorobenzene	8.92	112	1879362	21.561	ug/L	99
52) Ethylbenzene	9.05	91	3334007	23.538	ug/L	100
53) m,p-xylene	9.18	106	1287567	24.259	ug/L	97
54) o-xylene	9.58	106	1221906	24.340	ug/L	97
55) Styrene	9.60	104	2083124	24.466	ug/L	99
56) Isopropylbenzene	9.97	105	3294734	24.030	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	516173	22.074	ug/L	99
59) 1,2,3-Trichloropropane	10.31	75	392476	20.979	ug/L	98
61) Bromoform	9.77	173	349722	21.097	ug/L	98
62) 1,3-Dichlorobenzene	11.22	146	1607207	21.336	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	1585279	21.297	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	1448102	21.325	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.47	75	77903	21.415	ug/L	94
67) 1,3,5-Trichlorobenzene	12.69	180	1320550	22.890	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	1084271	24.809	ug/L	99
69) Naphthalene	13.55	128	1627149	27.565	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	995517	24.383	ug/L	100

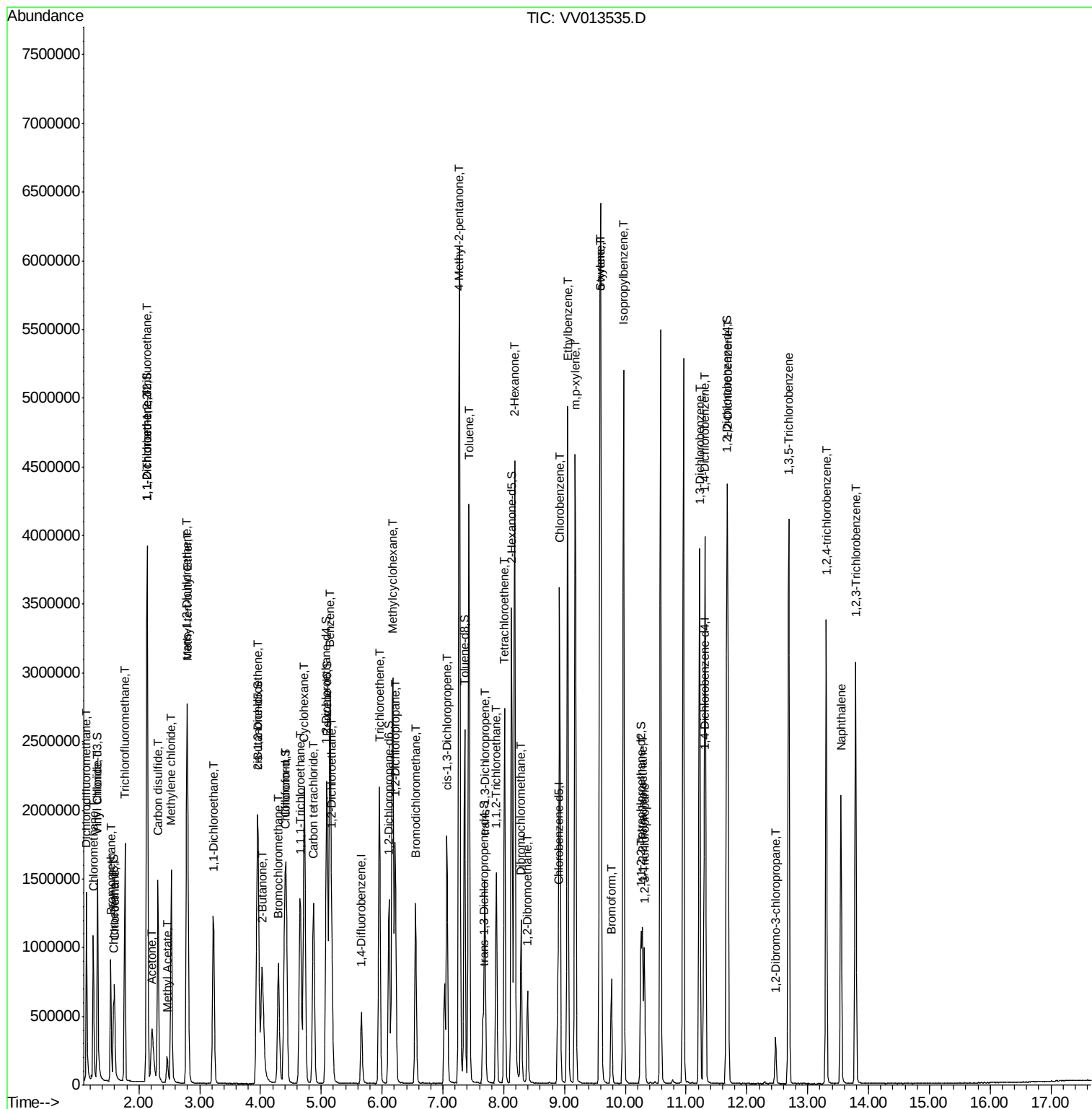
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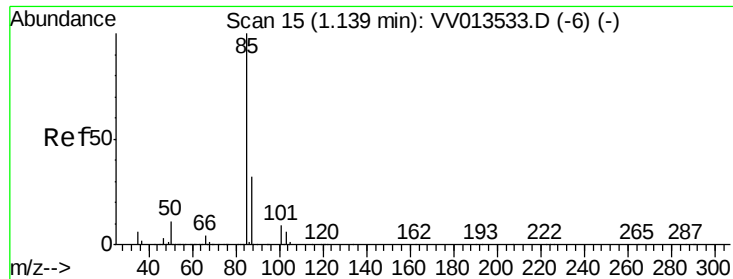
Data File : VV013535.D

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#2

Dichlorodifluoromethane

Concen: 20.173 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV013535.D

Acq: 08 Nov 2019 11:33

Instrument :

MSVOA_V

ClientSampleId :

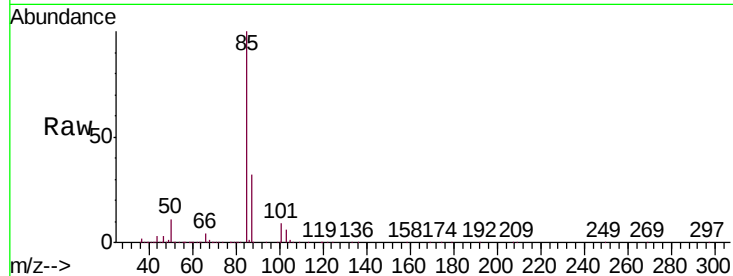
VSTD02033

Tgt Ion: 85 Resp: 885246

Ion Ratio Lower Upper

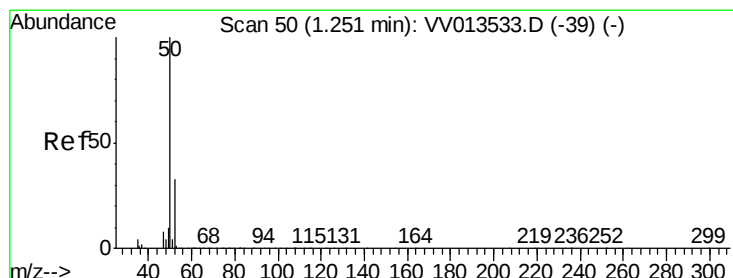
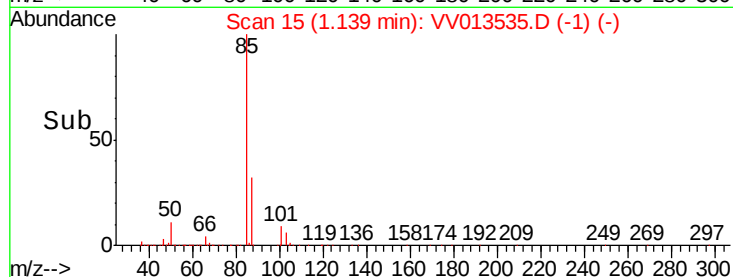
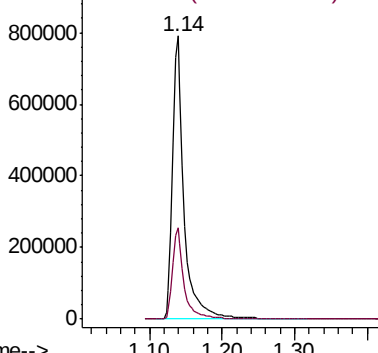
85 100

87 31.8 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 21.062 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV013535.D

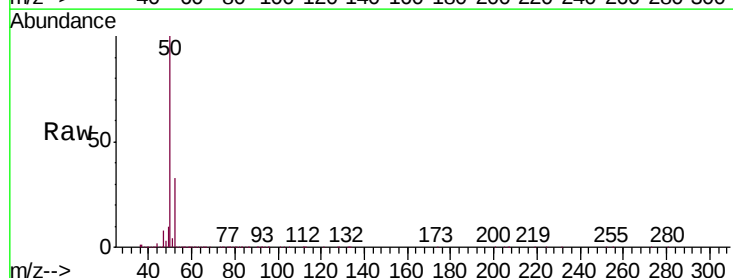
Acq: 08 Nov 2019 11:33

Tgt Ion: 50 Resp: 798220

Ion Ratio Lower Upper

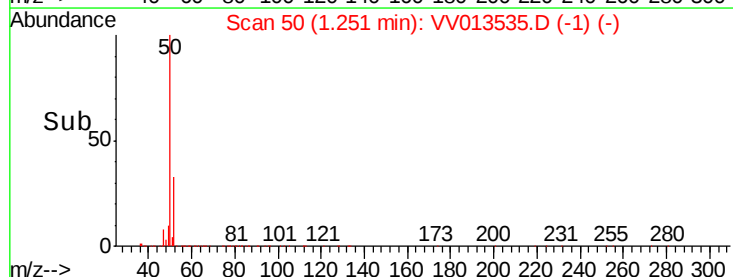
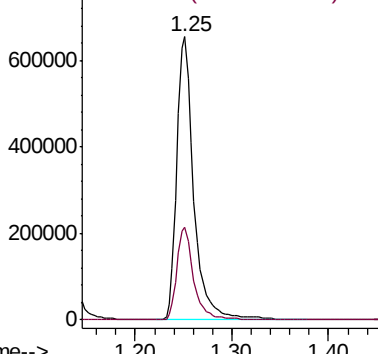
50 100

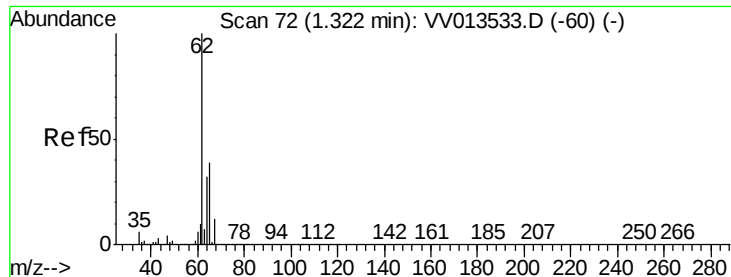
52 32.7 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 20.974 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV013535.D

Acq: 08 Nov 2019 11:33

Instrument :

MSVOA_V

ClientSampleId :

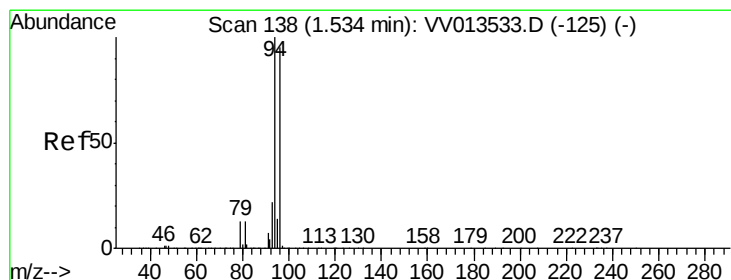
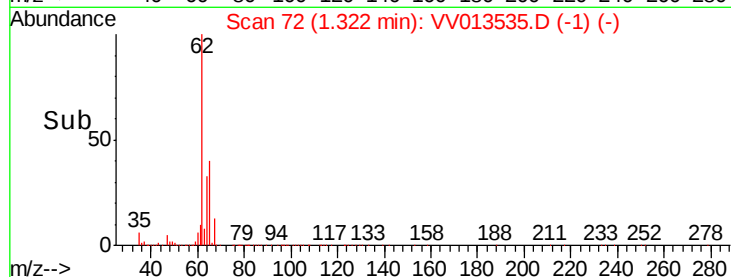
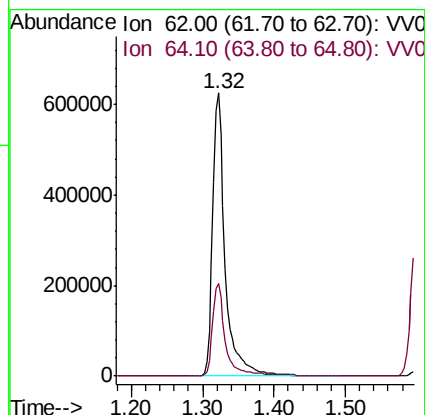
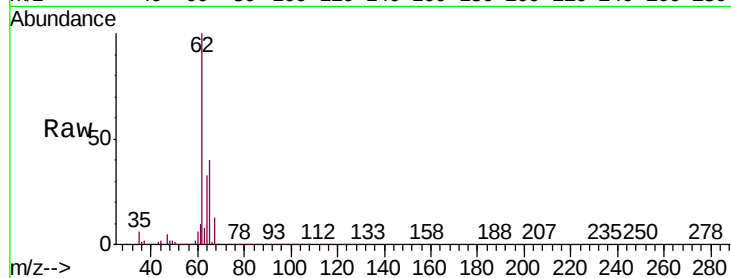
VSTD02033

Tgt Ion: 62 Resp: 761640

Ion Ratio Lower Upper

62 100

64 32.6 22.4 41.6



#6

Bromomethane

Concen: 22.141 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV013535.D

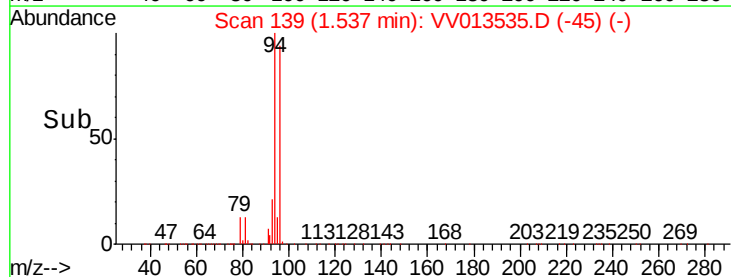
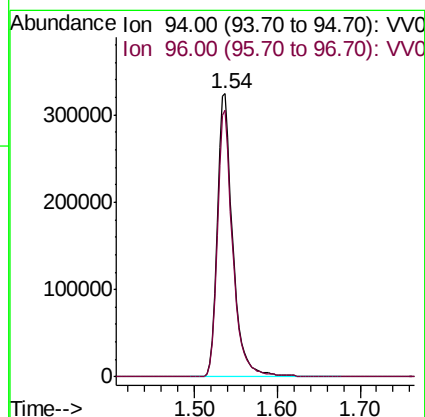
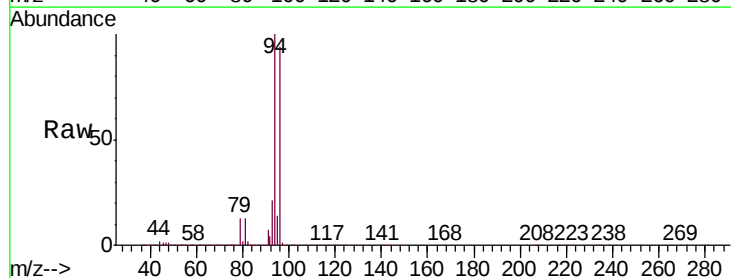
Acq: 08 Nov 2019 11:33

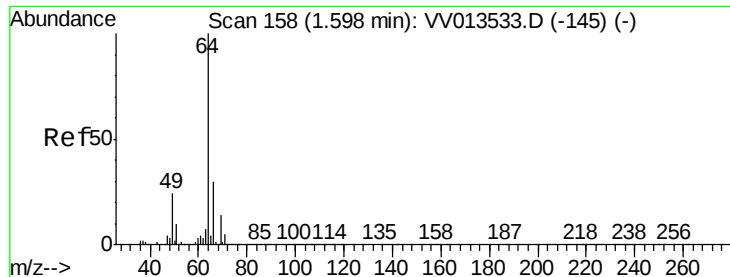
Tgt Ion: 94 Resp: 421588

Ion Ratio Lower Upper

94 100

96 94.0 66.4 123.4





#8

Chloroethane

Concen: 20.294 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV013535.D

Acq: 08 Nov 2019 11:33

Instrument :

MSVOA_V

ClientSampleId :

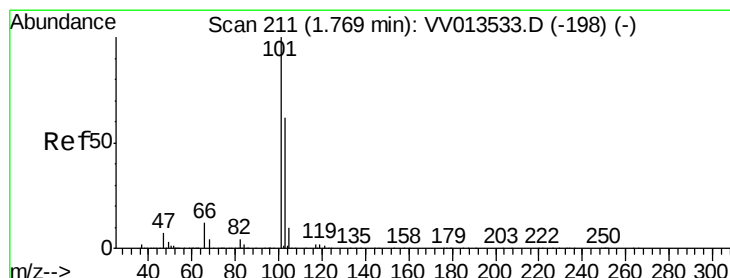
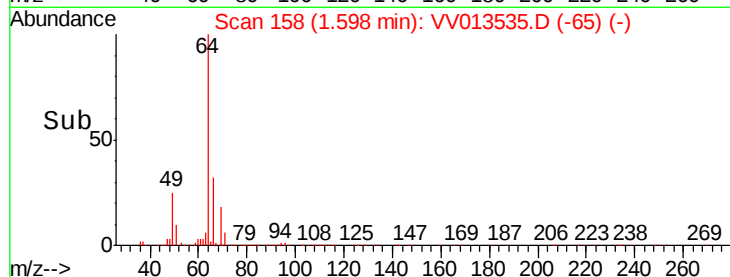
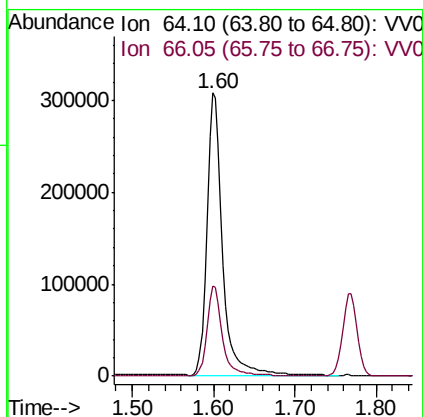
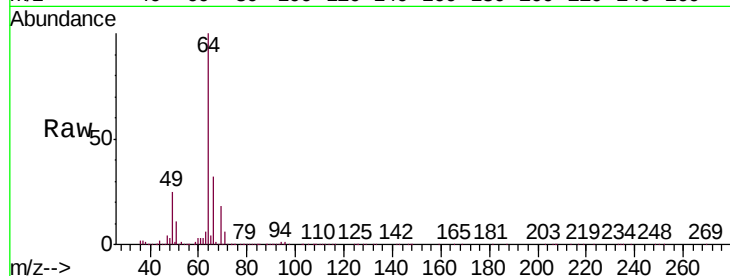
VSTD02033

Tgt Ion: 64 Resp: 409445

Ion Ratio Lower Upper

64 100

66 31.7 21.1 39.3



#9

Trichlorofluoromethane

Concen: 20.062 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.00 min

Lab File: VV013535.D

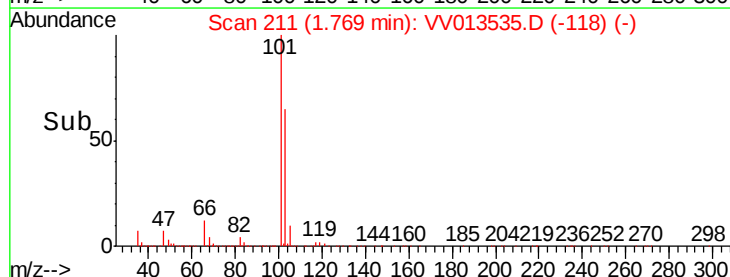
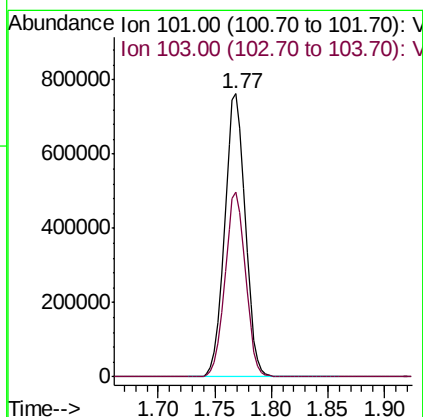
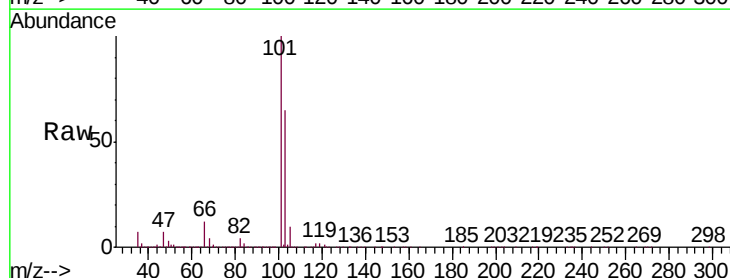
Acq: 08 Nov 2019 11:33

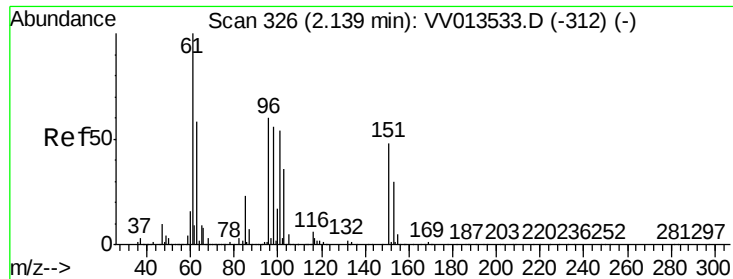
Tgt Ion: 101 Resp: 968569

Ion Ratio Lower Upper

101 100

103 65.0 50.5 75.7





#10

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

Concen: 20.853 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV013535.D

Acq: 08 Nov 2019 11:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD02033

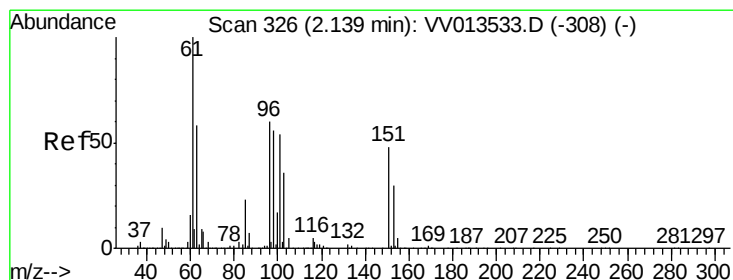
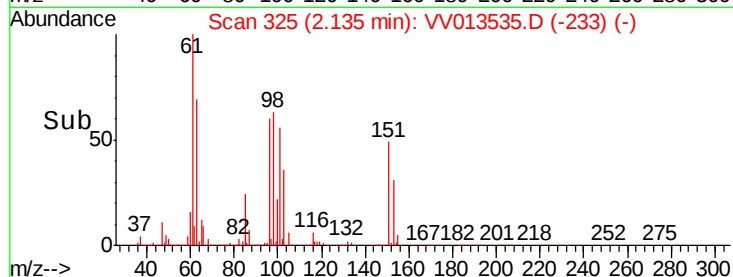
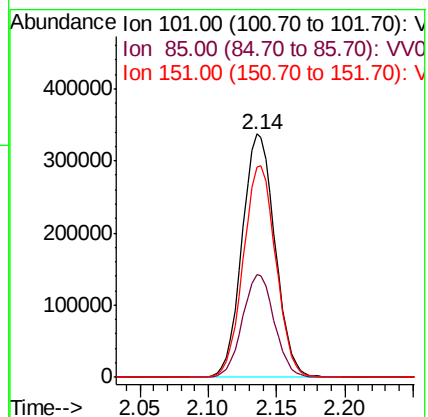
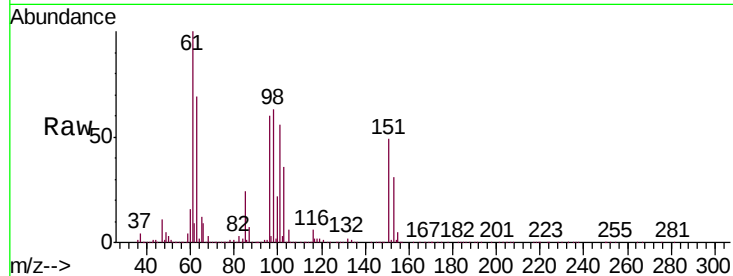
Tgt Ion: 101 Resp: 565720

Ion Ratio Lower Upper

101 100

85 41.2 33.8 50.8

151 86.2 69.5 104.3



#12

1,1-Dichloroethene

Concen: 21.021 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV013535.D

Acq: 08 Nov 2019 11:33

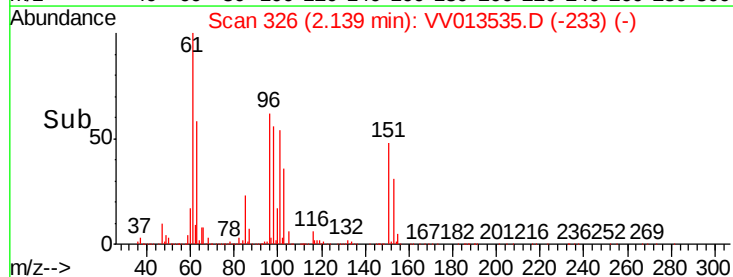
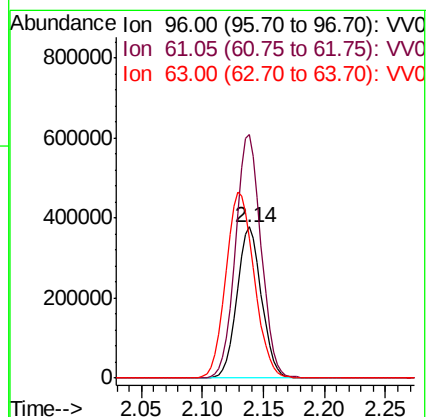
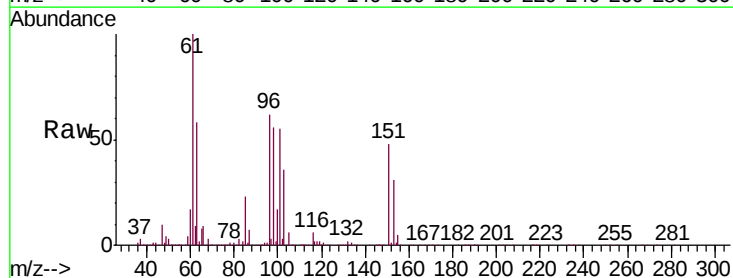
Tgt Ion: 96 Resp: 527434

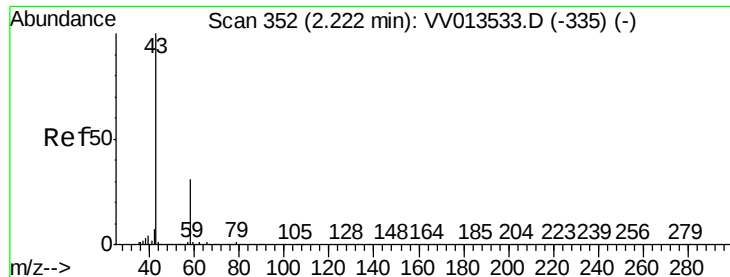
Ion Ratio Lower Upper

96 100

61 161.2 117.1 217.5

63 92.9 68.5 127.1





#13

Acetone

Concen: 196.673 ug/L

RT: 2.22 min Scan# 350

Delta R.T. -0.01 min

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Instrument :

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ClientSampleId :

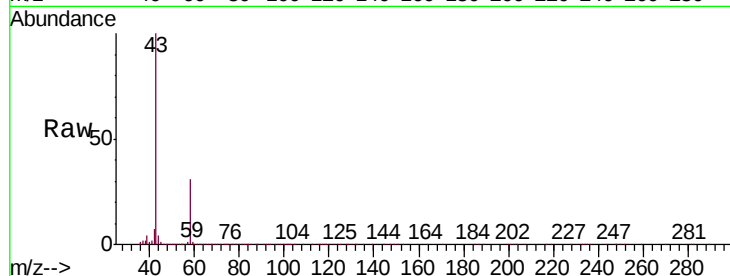
VSTD02033

Tgt Ion: 43 Resp: 782118

Ion Ratio Lower Upper

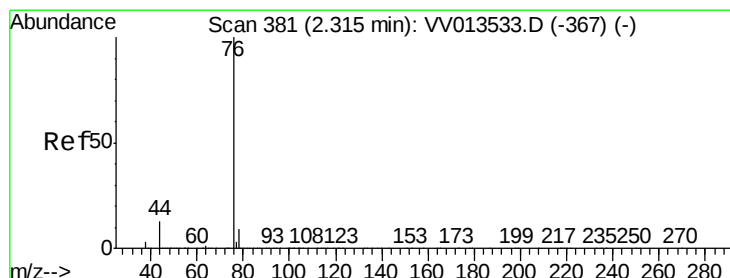
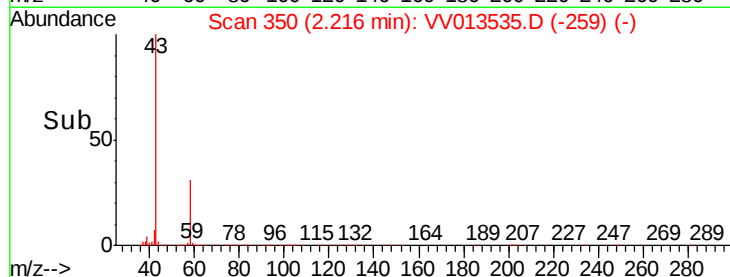
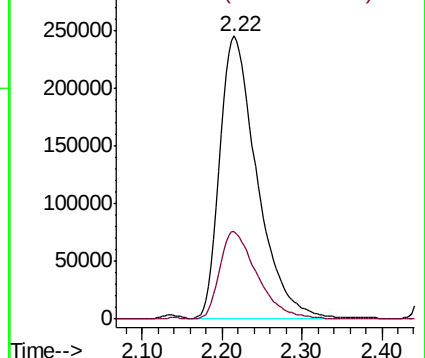
43 100

58 31.3 0.0 60.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#14

Carbon disulfide

Concen: 20.856 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV013535.D

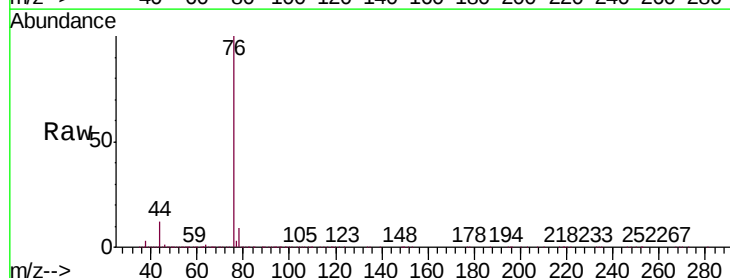
Acq: 08 Nov 2019 11:33

Tgt Ion: 76 Resp: 1608090

Ion Ratio Lower Upper

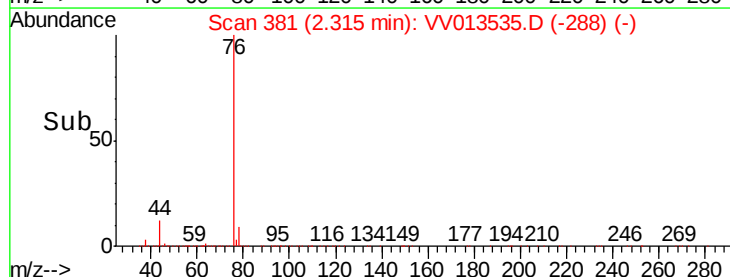
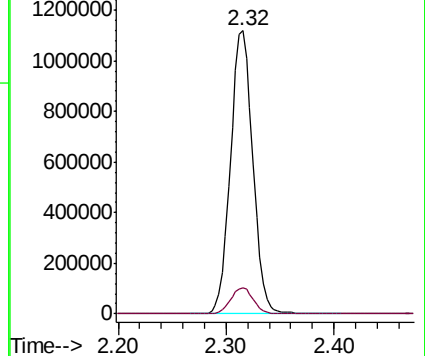
76 100

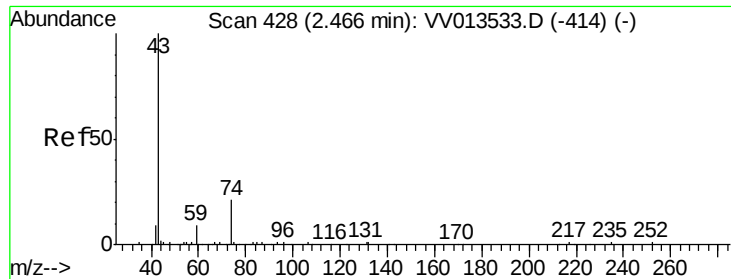
78 9.4 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

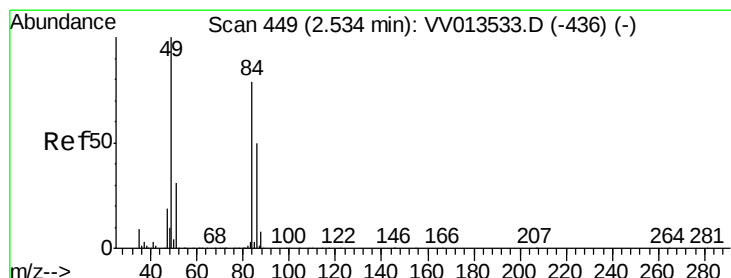
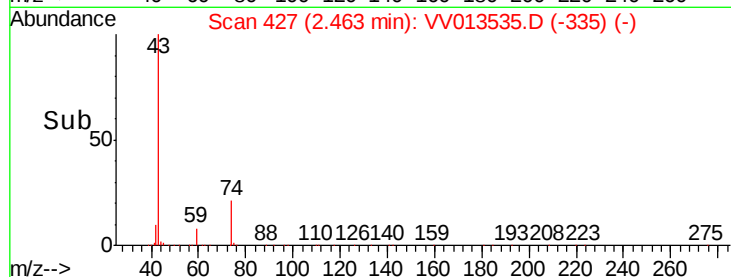
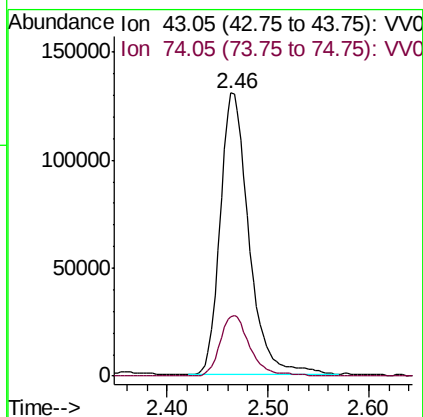
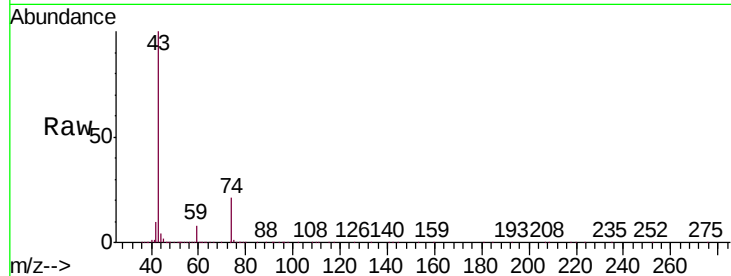




#15
Methyl Acetate
Concen: 21.838 ug/L
RT: 2.46 min Scan# 427
Delta R.T. -0.00 min
Lab File: VV013535.D
Acq: 08 Nov 2019 11:33

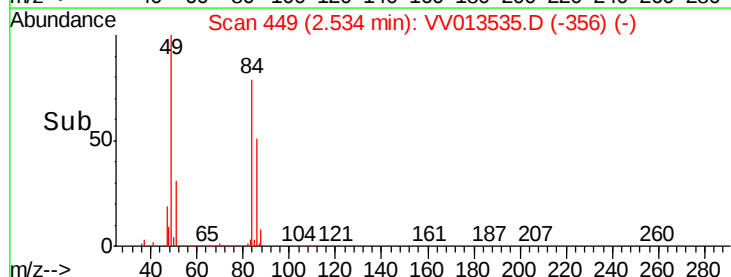
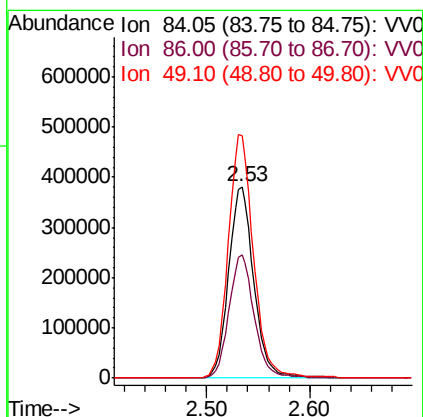
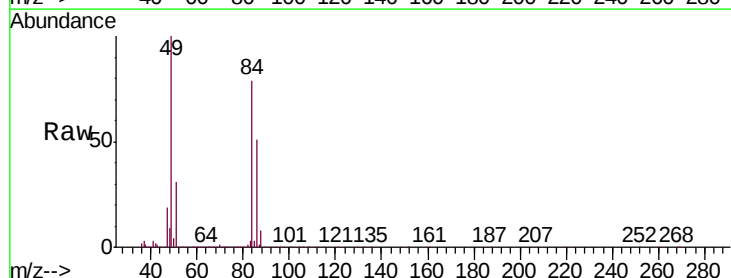
Instrument :
MSVOA_V
ClientSampleId :
VSTD02033

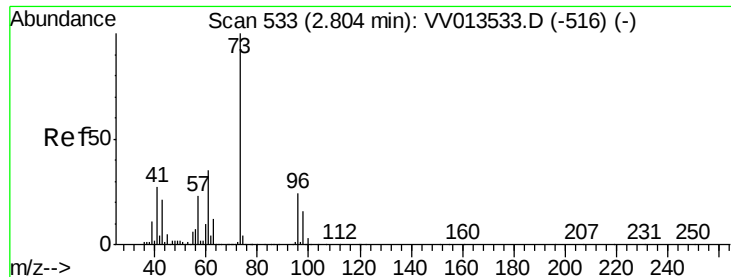
Tgt Ion: 43 Resp: 261248
Ion Ratio Lower Upper
43 100
74 22.3 19.4 29.0



#16
Methylene chloride
Concen: 18.213 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV013535.D
Acq: 08 Nov 2019 11:33

Tgt Ion: 84 Resp: 648644
Ion Ratio Lower Upper
84 100
86 64.7 44.2 82.2
49 126.9 88.8 164.8

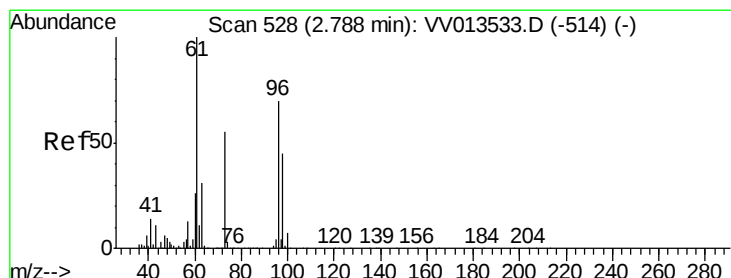
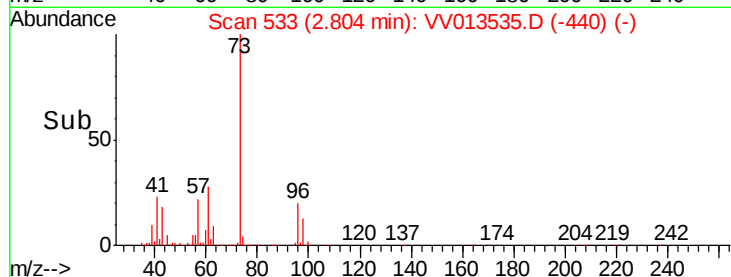
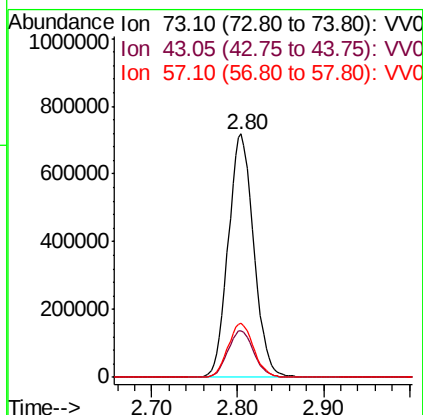
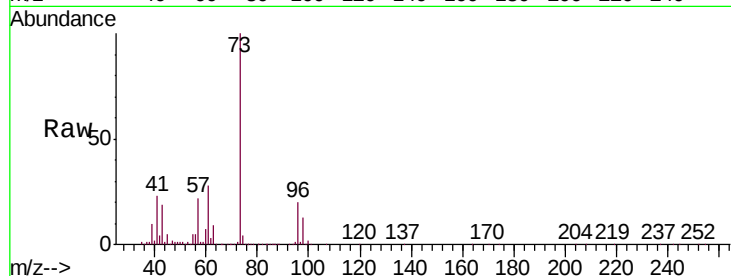




#17
Methyl tert-butyl Ether
Concen: 21.381 ug/L
RT: 2.80 min Scan# 533
Delta R.T. 0.00 min
Lab File: VV013535.D
Acq: 08 Nov 2019 11:33

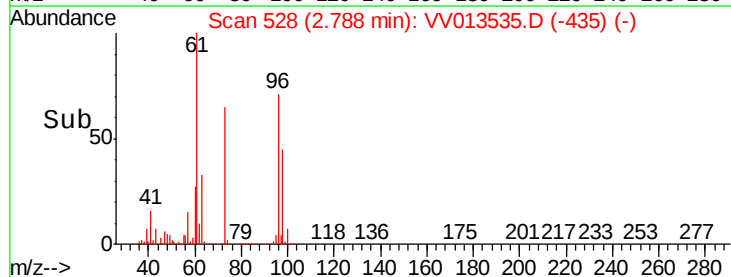
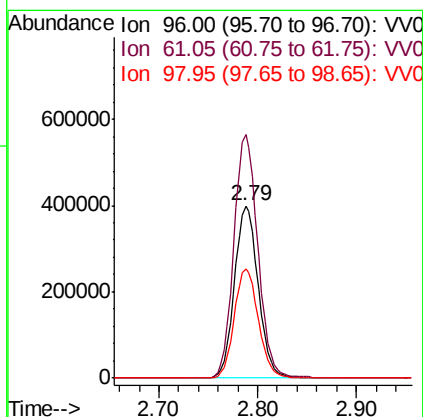
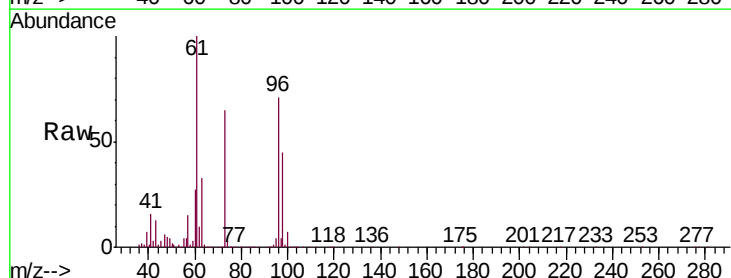
Instrument :
MSVOA_V
ClientSampleId :
VSTD02033

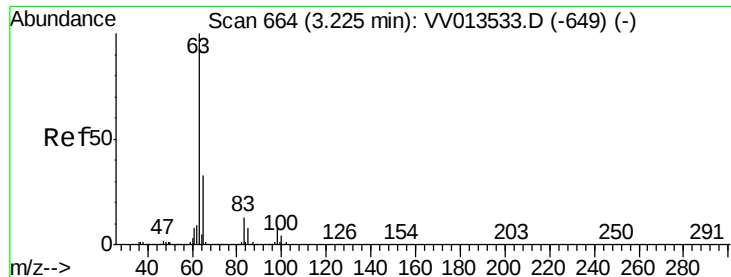
Tgt Ion: 73 Resp: 1480570
Ion Ratio Lower Upper
73 100
43 19.4 16.4 24.6
57 22.3 18.2 27.2



#18
trans-1,2-Dichloroethene
Concen: 20.706 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV013535.D
Acq: 08 Nov 2019 11:33

Tgt Ion: 96 Resp: 669677
Ion Ratio Lower Upper
96 100
61 141.6 100.0 185.8
98 63.9 45.3 84.1

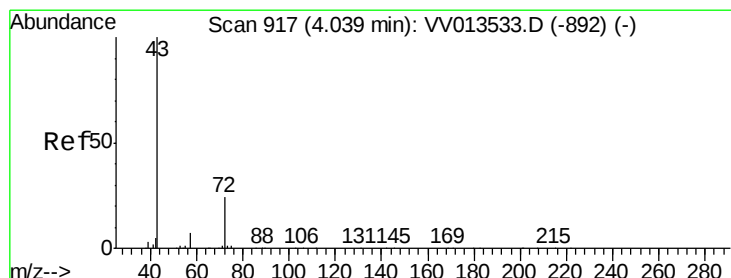
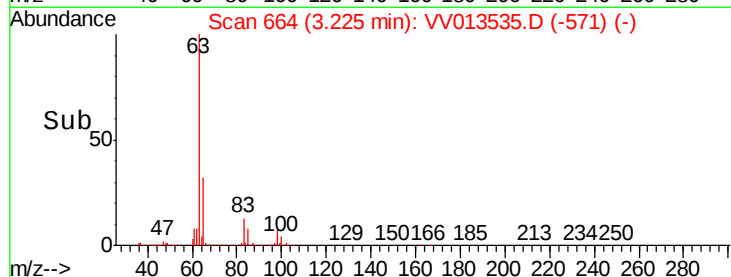
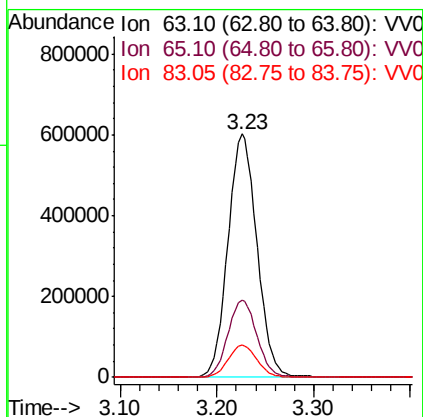
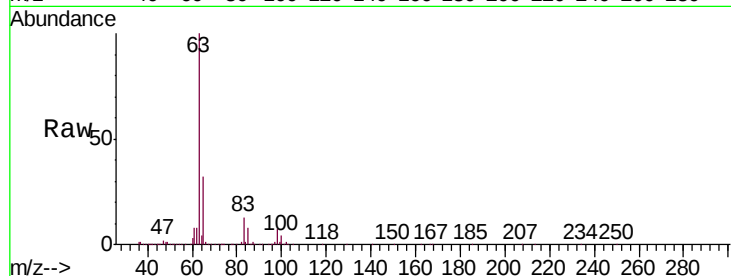




#19
 1,1-Dichloroethane
 Concen: 20.455 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. 0.00 min
 Lab File: VV013535.D
 Acq: 08 Nov 2019 11:33

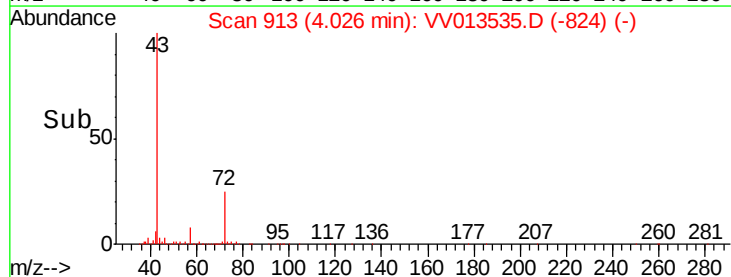
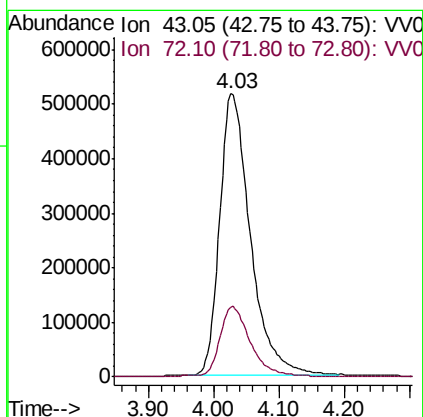
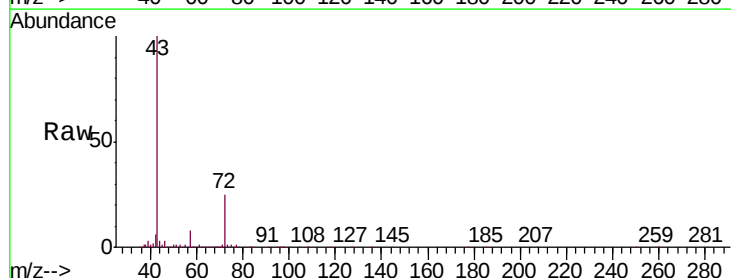
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02033

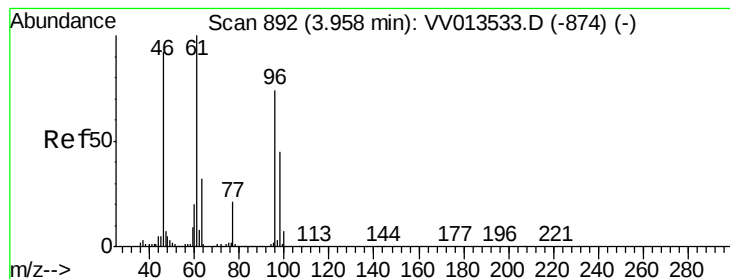
Tgt Ion: 63 Resp: 1251203
 Ion Ratio Lower Upper
 63 100
 65 31.6 22.9 42.5
 83 13.3 9.1 16.9



#21
 2-Butanone
 Concen: 222.863 ug/L
 RT: 4.03 min Scan# 913
 Delta R.T. -0.01 min
 Lab File: VV013535.D
 Acq: 08 Nov 2019 11:33

Tgt Ion: 43 Resp: 1685016
 Ion Ratio Lower Upper
 43 100
 72 25.7 11.6 34.7



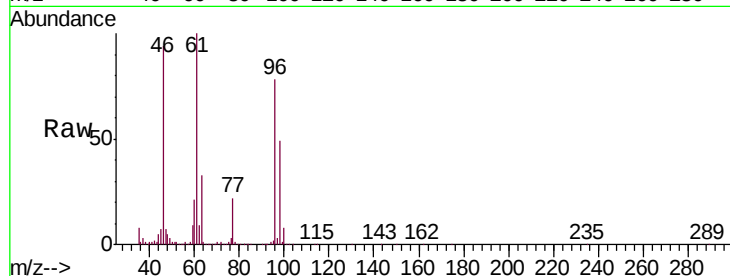


#22

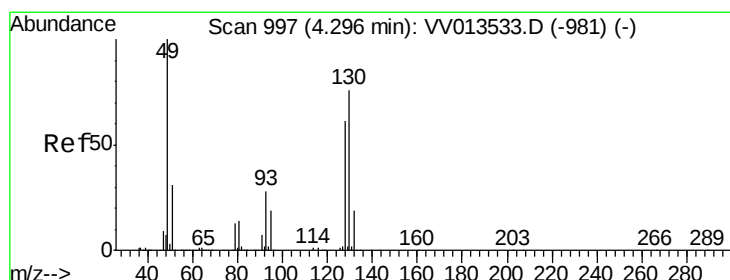
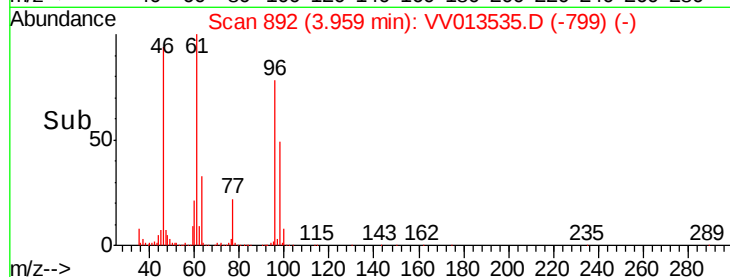
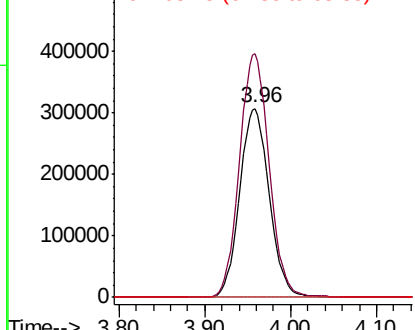
cis-1,2-Dichloroethene
 Concen: 21.817 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: VV013535.D
 Acq: 08 Nov 2019 11:33

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02033

Tgt Ion: 96 Resp: 733185
 Ion Ratio Lower Upper
 96 100
 61 128.9 94.6 175.8
 68 0.0 0.1 0.3#



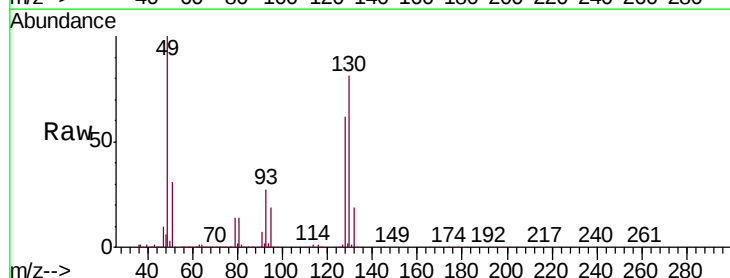
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



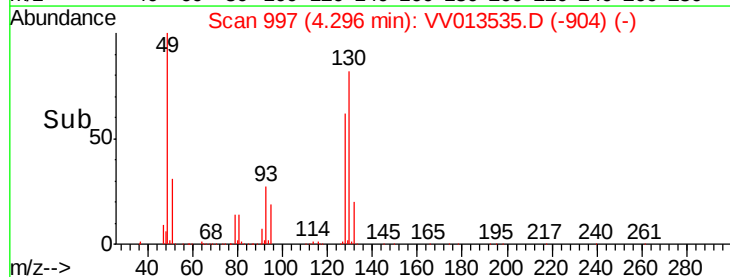
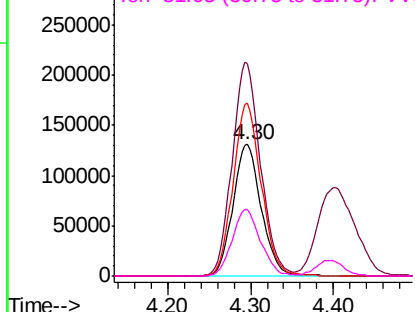
#23

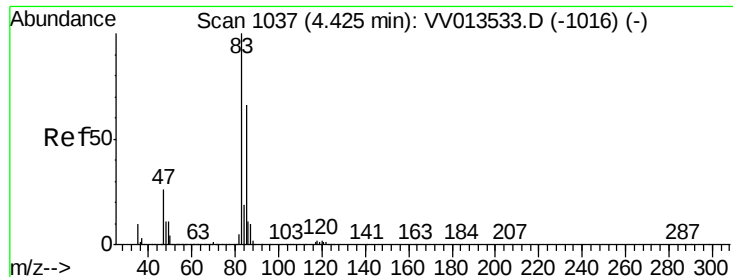
Bromochloromethane
 Concen: 20.599 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. 0.00 min
 Lab File: VV013535.D
 Acq: 08 Nov 2019 11:33

Tgt Ion: 128 Resp: 311830
 Ion Ratio Lower Upper
 128 100
 49 161.5 115.9 215.3
 130 131.2 87.6 162.6
 51 50.6 40.6 61.0



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VV0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VV0

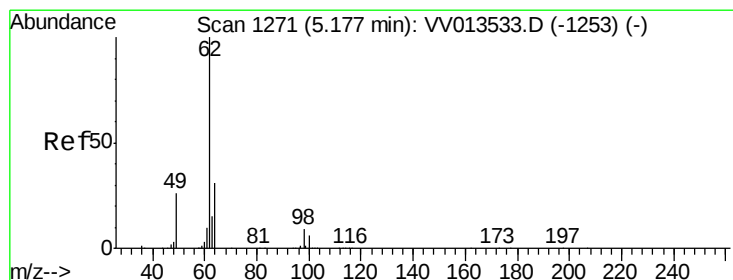
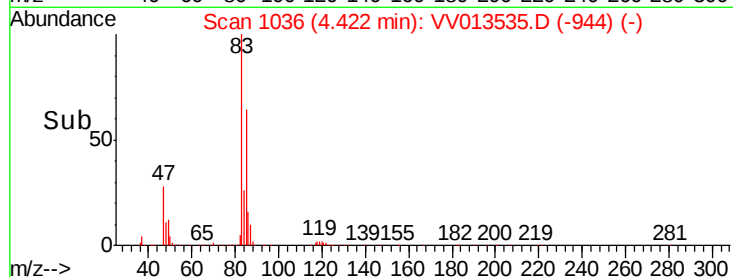
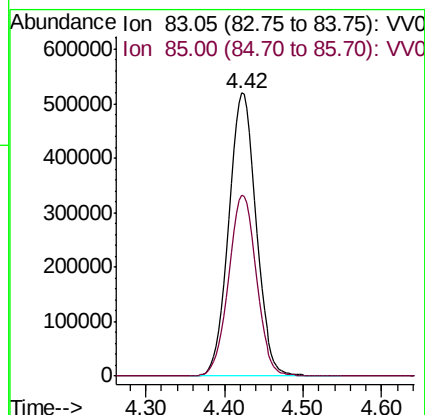
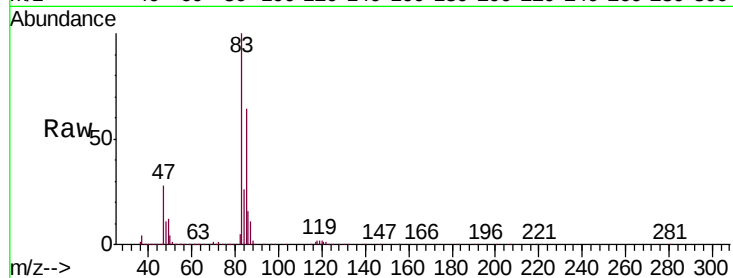




#25
Chloroform
Concen: 19.496 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV013535.D
Acq: 08 Nov 2019 11:33

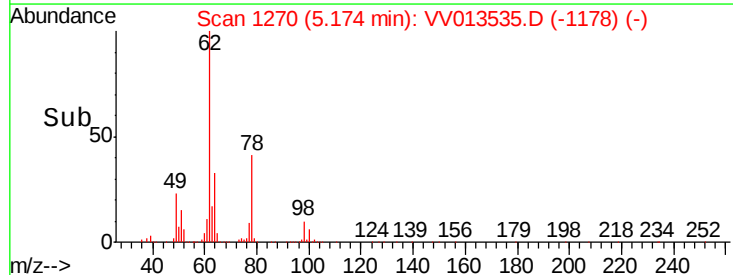
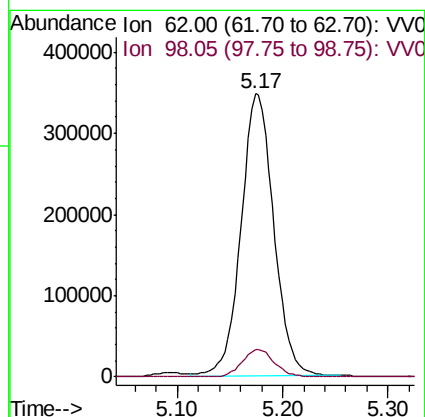
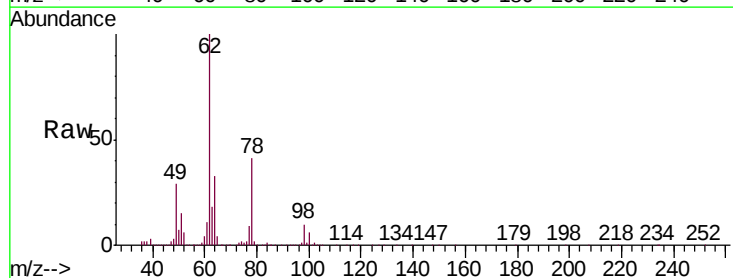
Instrument :
MSVOA_V
ClientSampleId :
VSTD02033

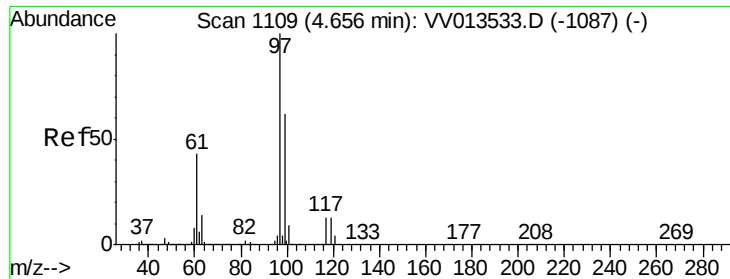
Tgt Ion: 83 Resp: 1254333
Ion Ratio Lower Upper
83 100
85 64.1 46.3 86.1



#27
1,2-Dichloroethane
Concen: 20.877 ug/L
RT: 5.17 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VV013535.D
Acq: 08 Nov 2019 11:33

Tgt Ion: 62 Resp: 751313
Ion Ratio Lower Upper
62 100
98 9.6 7.4 11.0

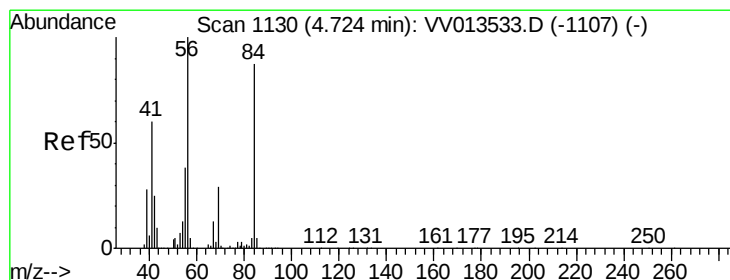
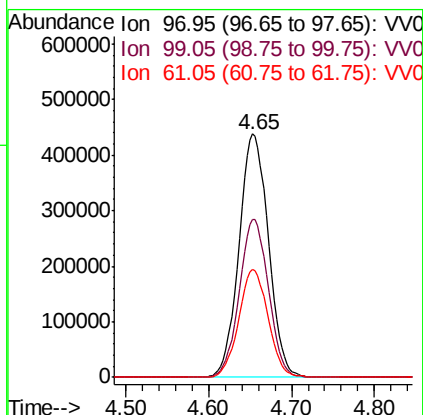
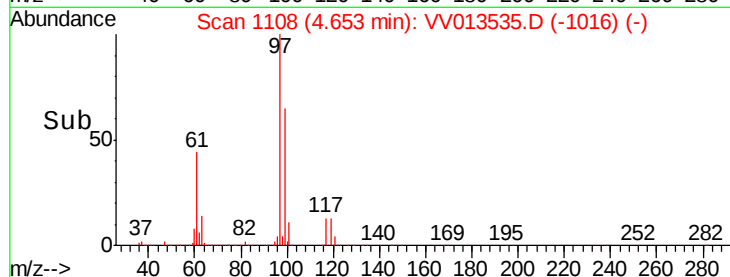
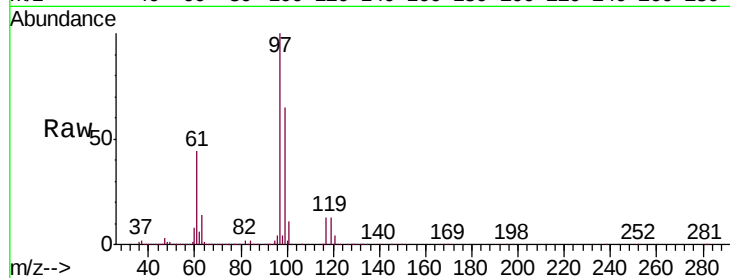




#29
 1,1,1-Trichloroethane
 Concen: 21.210 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. -0.00 min
 Lab File: VV013535.D
 Acq: 08 Nov 2019 11:33

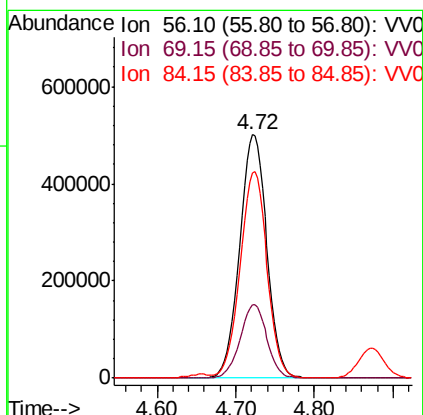
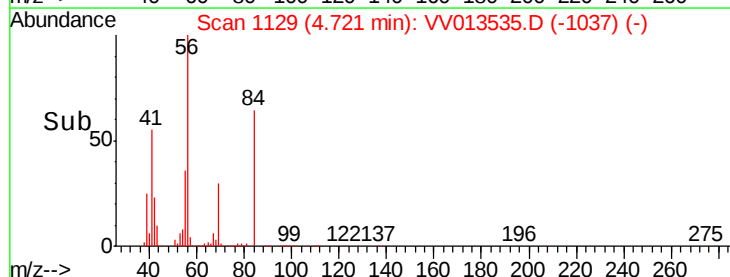
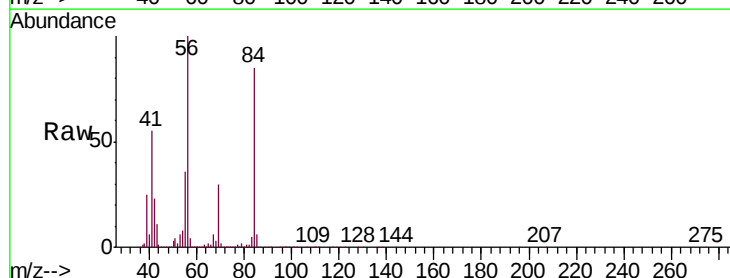
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02033

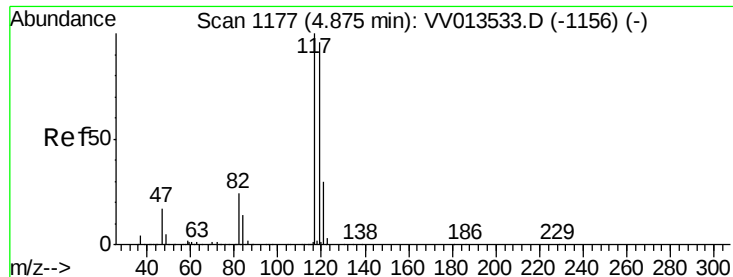
Tgt Ion: 97 Resp: 1081969
 Ion Ratio Lower Upper
 97 100
 99 64.3 50.4 75.6
 61 44.3 35.5 53.3



#30
 Cyclohexane
 Concen: 22.956 ug/L
 RT: 4.72 min Scan# 1129
 Delta R.T. -0.00 min
 Lab File: VV013535.D
 Acq: 08 Nov 2019 11:33

Tgt Ion: 56 Resp: 1216194
 Ion Ratio Lower Upper
 56 100
 69 29.8 22.9 34.3
 84 84.5 67.2 100.8

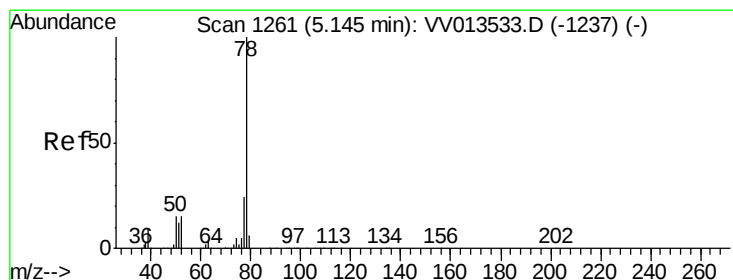
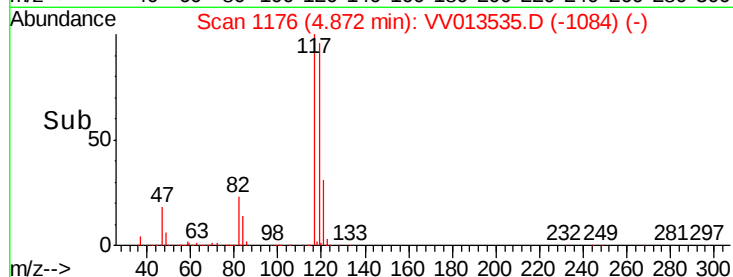
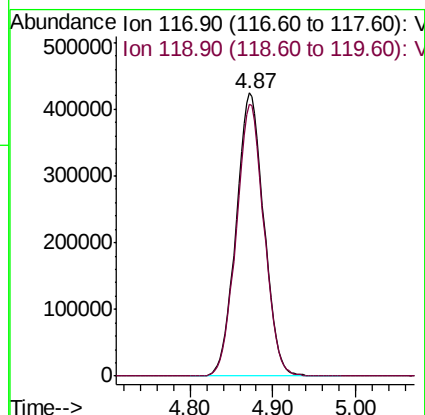
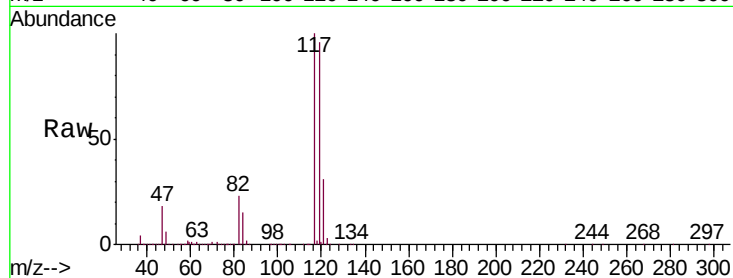




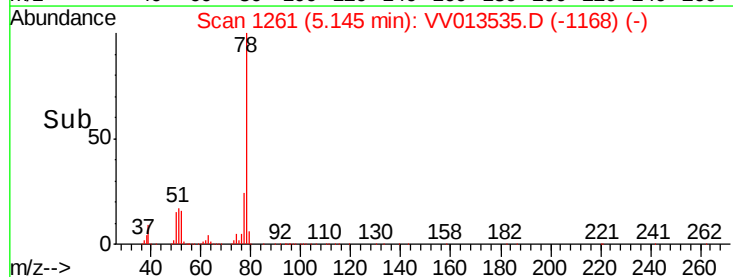
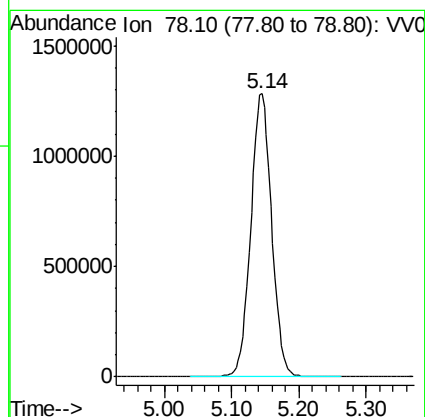
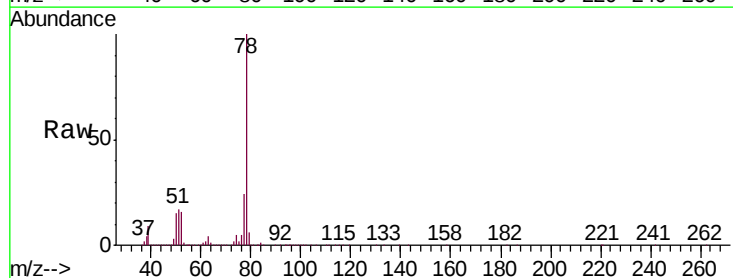
#31
Carbon tetrachloride
Concen: 21.631 ug/L
RT: 4.87 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VV013535.D
Acq: 08 Nov 2019 11:33

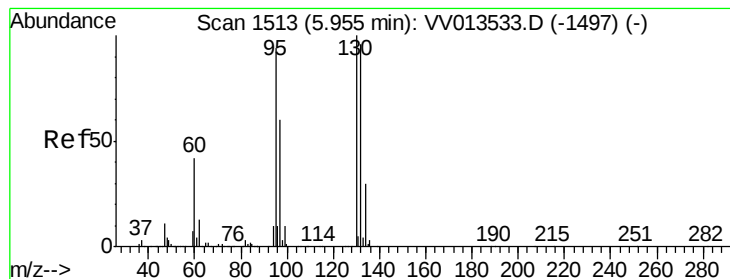
Instrument :
MSVOA_V
ClientSampleId :
VSTD02033

Tgt Ion:117 Resp: 989792
Ion Ratio Lower Upper
117 100
119 96.0 77.0 115.4



#33
Benzene
Concen: 21.673 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VV013535.D
Acq: 08 Nov 2019 11:33
Tgt Ion: 78 Resp: 2768715





#34

Trichloroethene

Concen: 21.119 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV013535.D

Acq: 08 Nov 2019 11:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD02033

Tgt Ion: 95 Resp: 725913

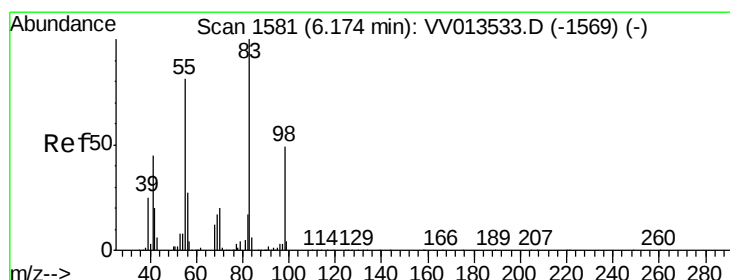
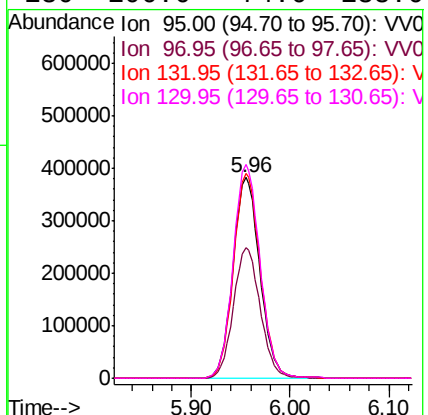
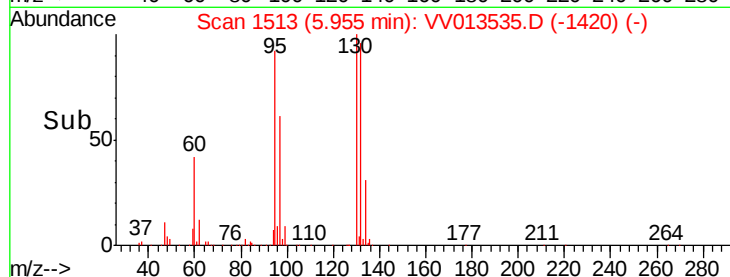
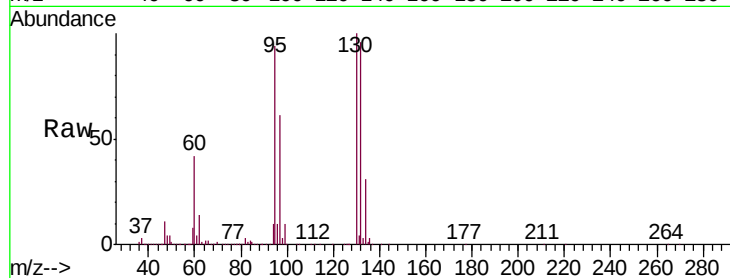
Ion Ratio Lower Upper

95 100

97 65.1 44.7 83.1

132 102.5 71.6 133.0

130 106.6 74.6 138.6



#35

Methylcyclohexane

Concen: 23.168 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV013535.D

Acq: 08 Nov 2019 11:33

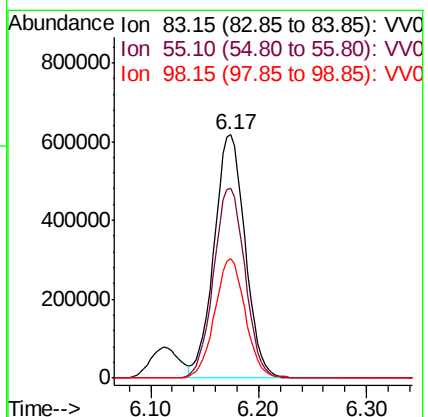
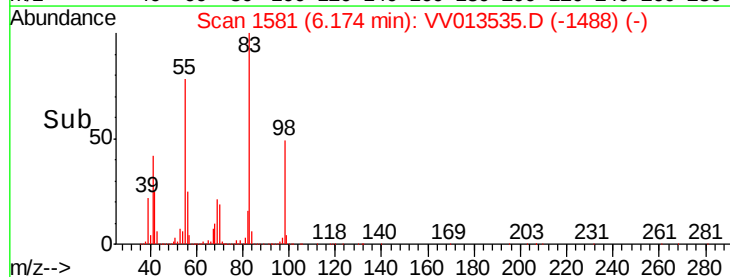
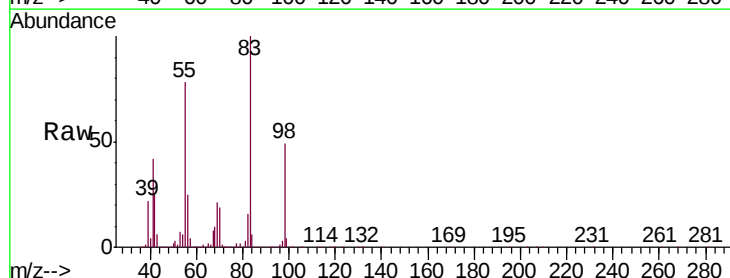
Tgt Ion: 83 Resp: 1237270

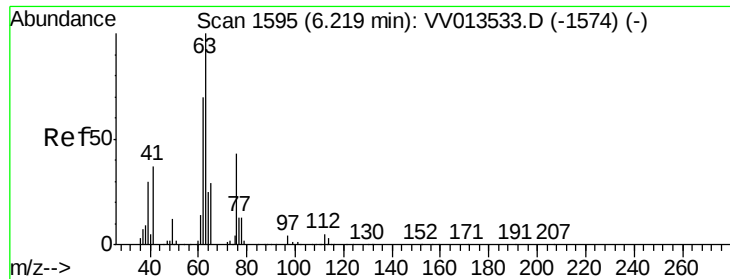
Ion Ratio Lower Upper

83 100

55 78.7 63.8 95.8

98 48.2 38.4 57.6

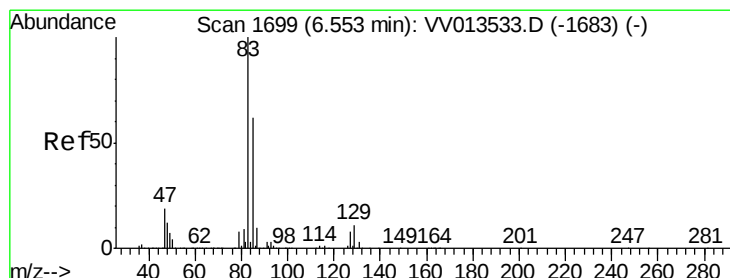
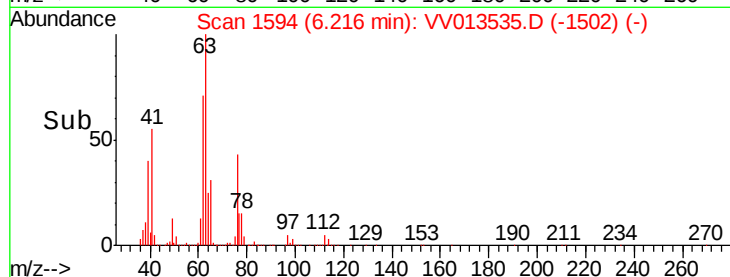
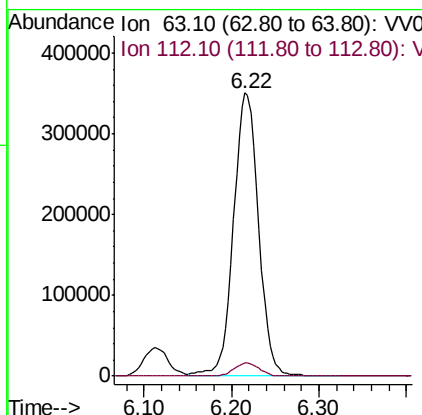
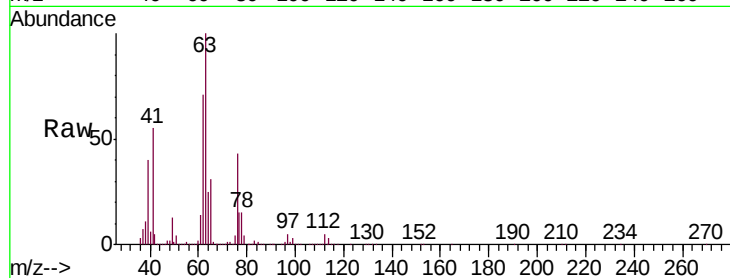




#37
 1,2-Dichloropropane
 Concen: 21.606 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. -0.00 min
 Lab File: VV013535.D
 Acq: 08 Nov 2019 11:33

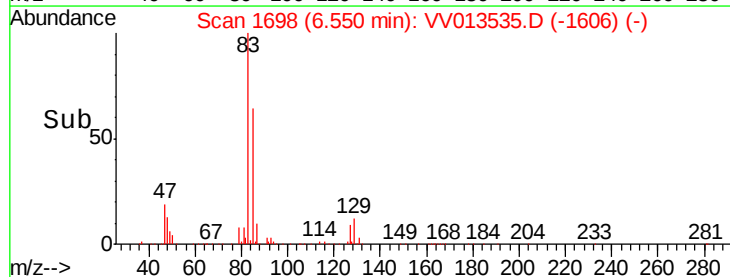
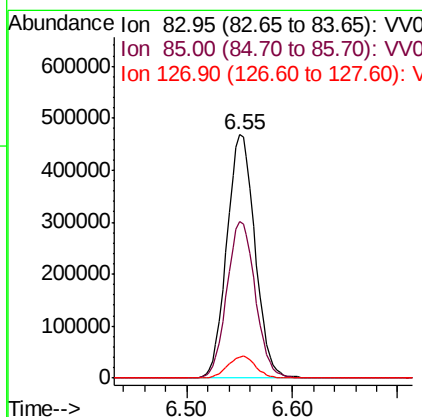
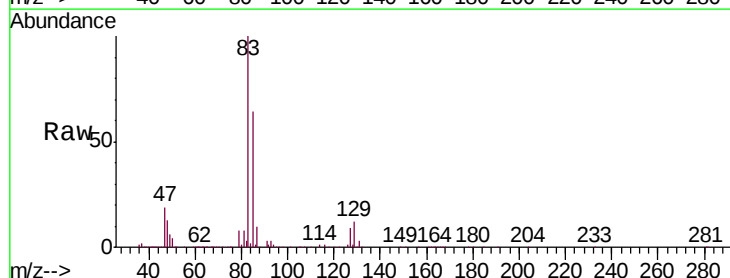
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02033

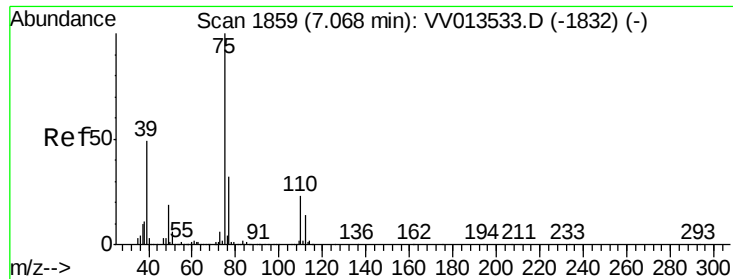
Tgt Ion: 63 Resp: 693609
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.8 5.6



#38
 Bromodichloromethane
 Concen: 21.022 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VV013535.D
 Acq: 08 Nov 2019 11:33

Tgt Ion: 83 Resp: 863154
 Ion Ratio Lower Upper
 83 100
 85 64.3 43.6 81.0
 127 8.8 6.5 9.7

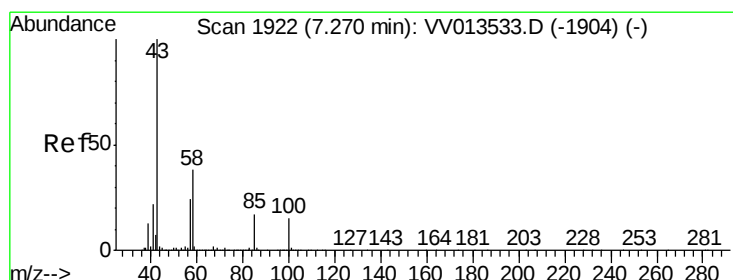
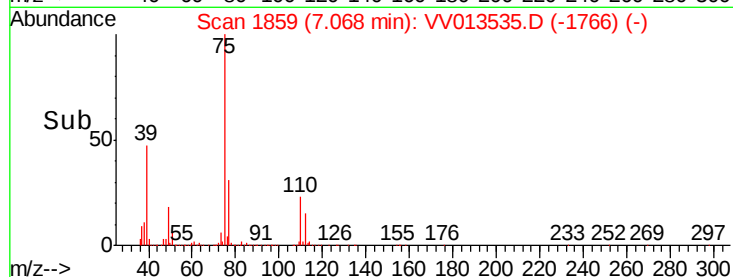
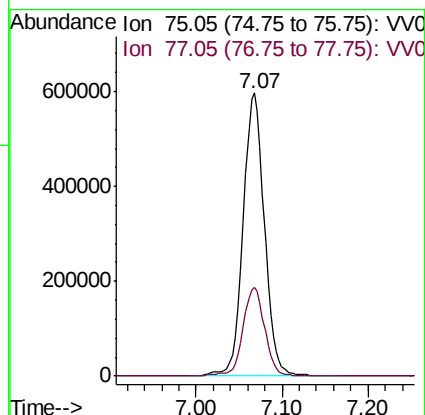
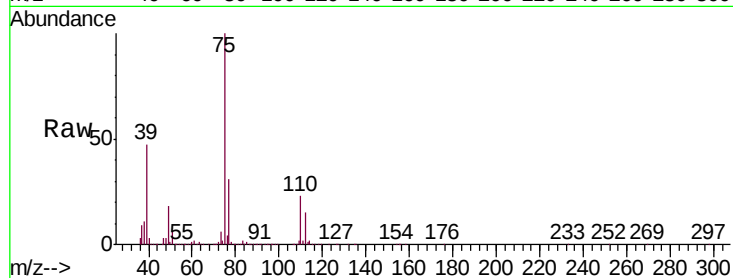




#39
 cis-1,3-Dichloropropene
 Concen: 23.799 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VV013535.D
 Acq: 08 Nov 2019 11:33

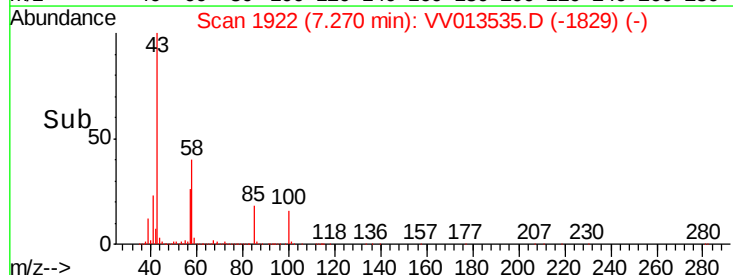
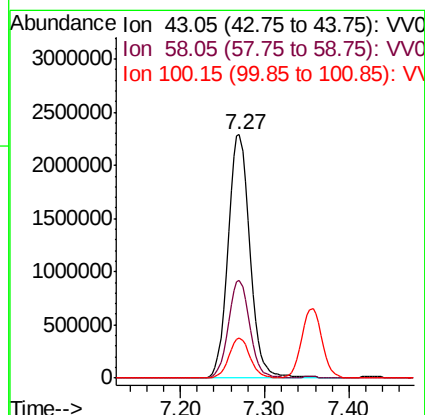
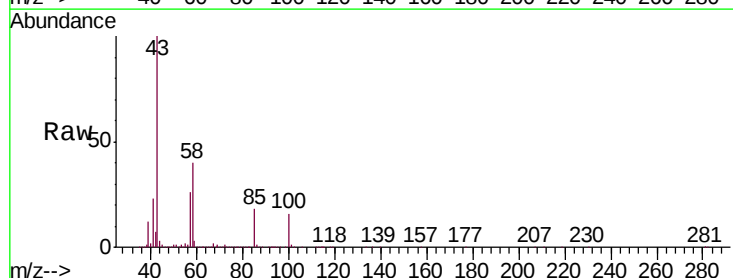
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02033

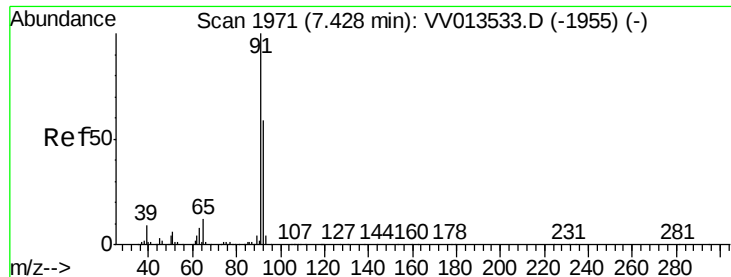
Tgt Ion: 75 Resp: 1030790
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 227.527 ug/L
 RT: 7.27 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VV013535.D
 Acq: 08 Nov 2019 11:33

Tgt Ion: 43 Resp: 4120152
 Ion Ratio Lower Upper
 43 100
 58 39.3 30.6 45.8
 100 15.8 12.0 18.0





#42

Toluene

Concen: 22.504 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV013535.D

Acq: 08 Nov 2019 11:33

Instrument :

MSVOA_V

ClientSampleId :

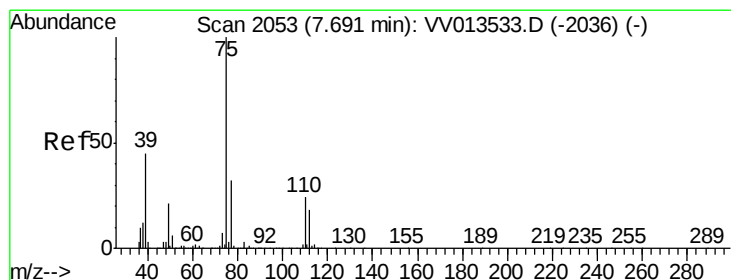
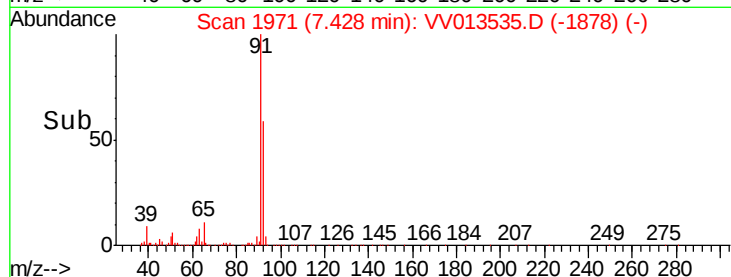
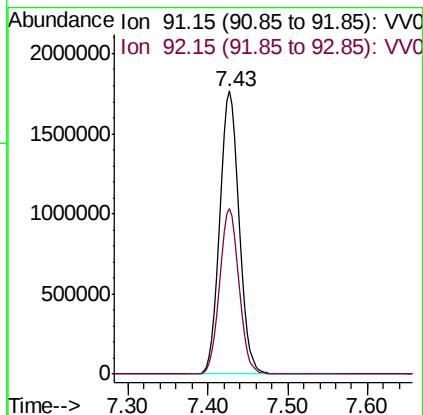
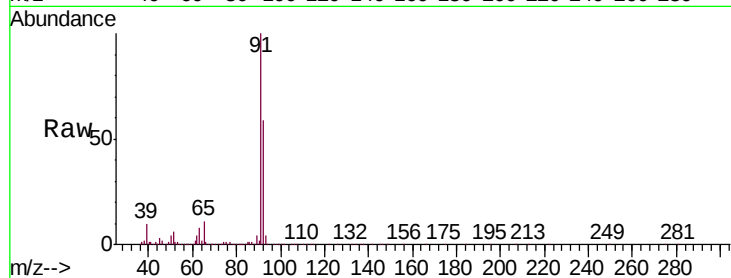
VSTD02033

Tgt Ion: 91 Resp: 2974616

Ion Ratio Lower Upper

91 100

92 58.7 41.4 77.0



#44

trans-1,3-Dichloropropene

Concen: 23.001 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. -0.00 min

Lab File: VV013535.D

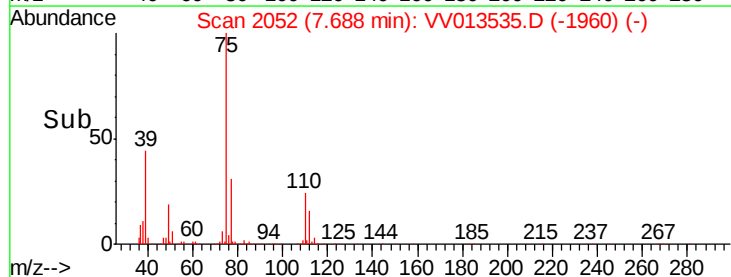
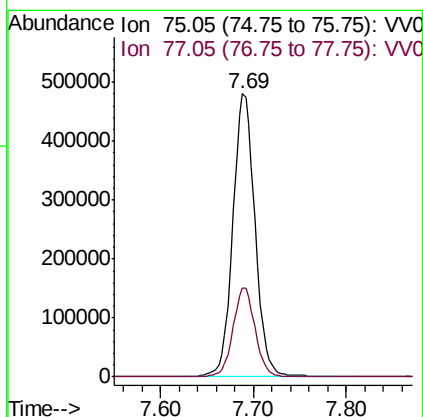
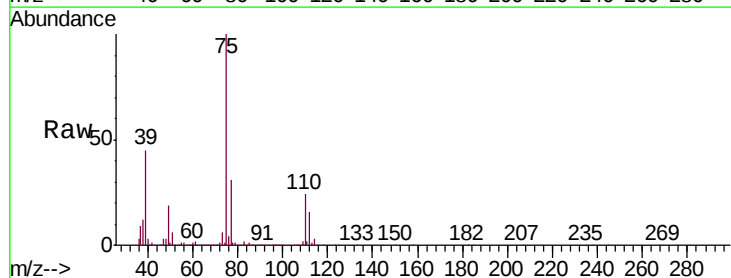
Acq: 08 Nov 2019 11:33

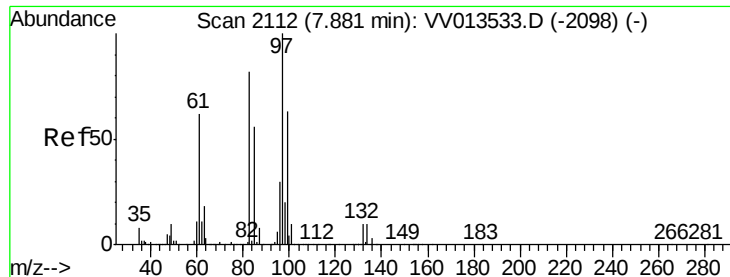
Tgt Ion: 75 Resp: 796053

Ion Ratio Lower Upper

75 100

77 31.2 22.2 41.2

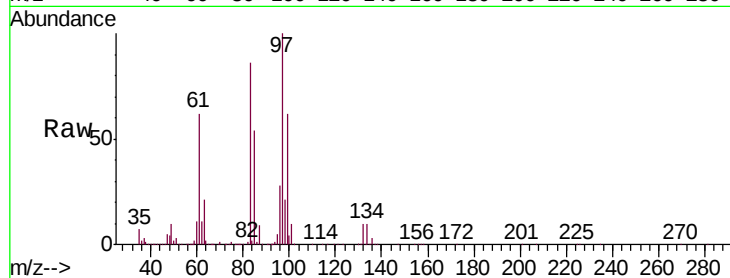




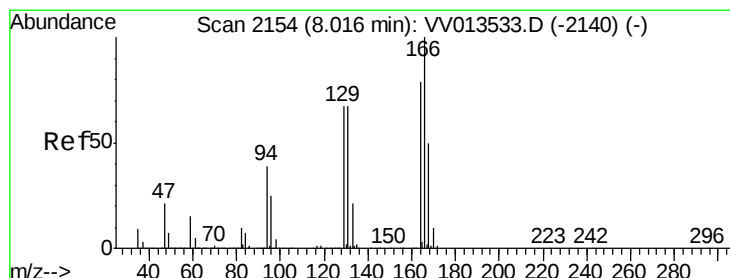
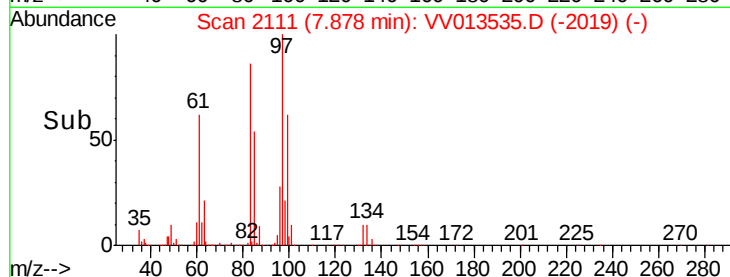
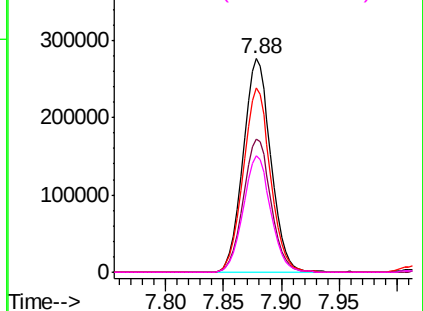
#45
 1,1,2-Trichloroethane
 Concen: 20.709 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. -0.00 min
 Lab File: VV013535.D
 Acq: 08 Nov 2019 11:33

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02033

Tgt Ion:	97	Resp:	457720
Ion	Ratio	Lower	Upper
97	100		
99	62.4	44.4	82.5
83	86.0	57.5	106.7
85	54.5	39.5	73.4

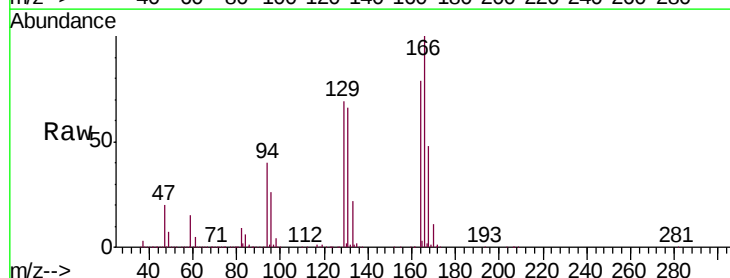


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

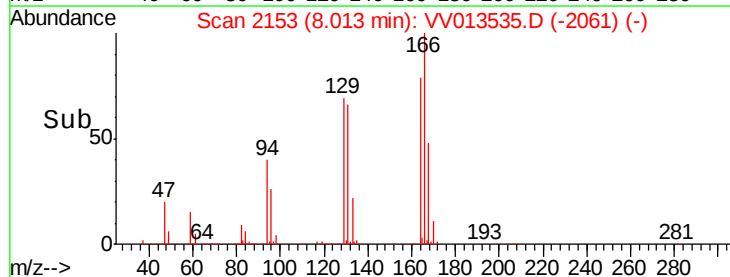
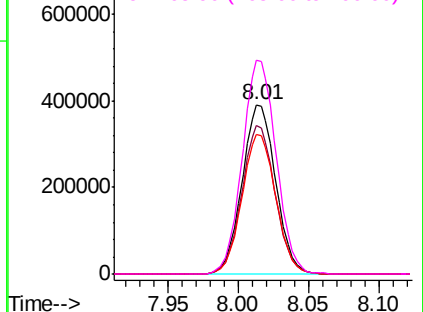


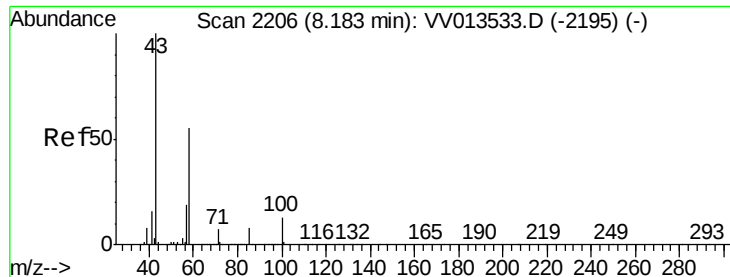
#47
 Tetrachloroethene
 Concen: 21.363 ug/L
 RT: 8.01 min Scan# 2153
 Delta R.T. -0.00 min
 Lab File: VV013535.D
 Acq: 08 Nov 2019 11:33

Tgt Ion:	164	Resp:	652790
Ion	Ratio	Lower	Upper
164	100		
129	87.4	59.6	110.8
131	82.7	59.1	109.9
166	126.3	88.6	164.6



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V



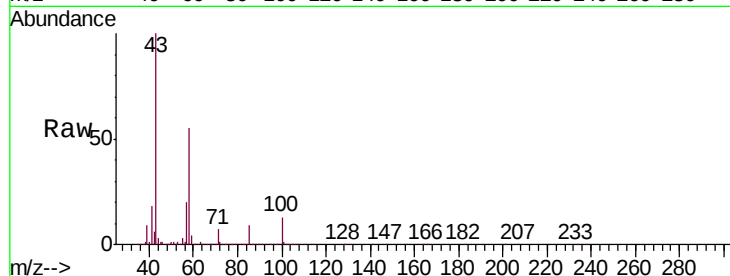


#48
2-Hexanone
Concen: 227.707 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. -0.00 min
Lab File: VV013535.D
Acq: 08 Nov 2019 11:33

Instrument :
MSVOA_V
ClientSampleId :
VSTD02033

Tgt Ion: 43 Resp: 2882592

Ion	Ratio	Lower	Upper
43	100		
58	55.3	43.8	65.8
57	19.5	15.0	22.6
100	12.7	9.8	14.6

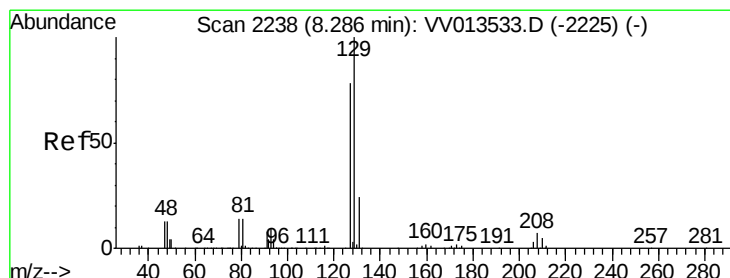
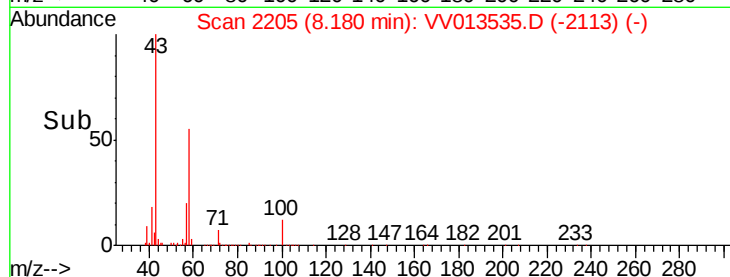
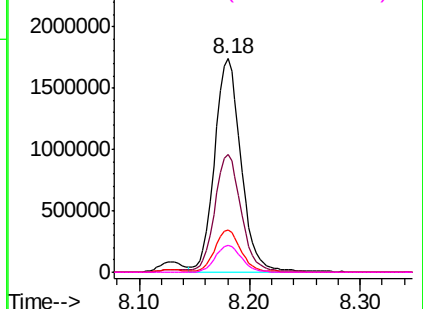


Abundance Ion 43.05 (42.75 to 43.75): VV013535.D (-2195) (-)

Ion 58.05 (57.75 to 58.75): VV013535.D (-2195) (-)

Ion 57.20 (56.90 to 57.90): VV013535.D (-2195) (-)

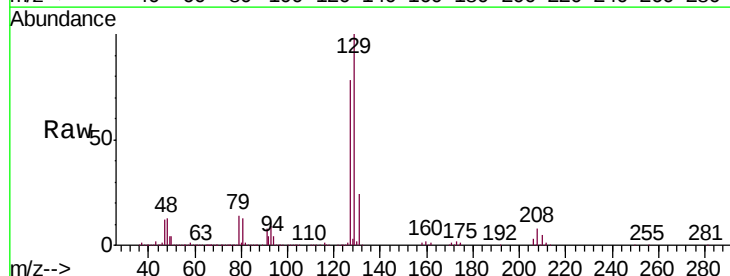
Ion 100.15 (99.85 to 100.85): VV013535.D (-2195) (-)



#49
Dibromochloromethane
Concen: 21.795 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV013535.D
Acq: 08 Nov 2019 11:33

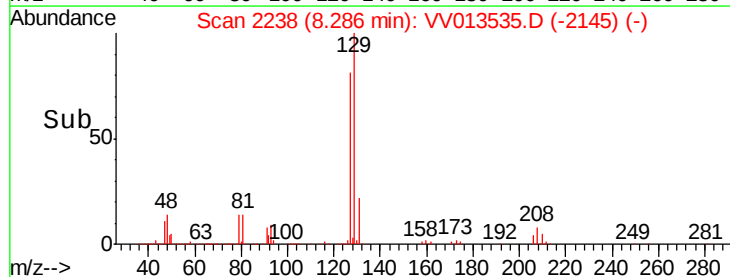
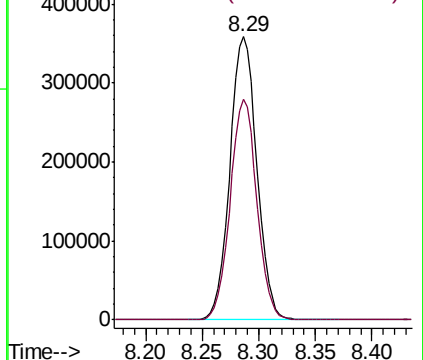
Tgt Ion: 129 Resp: 594870

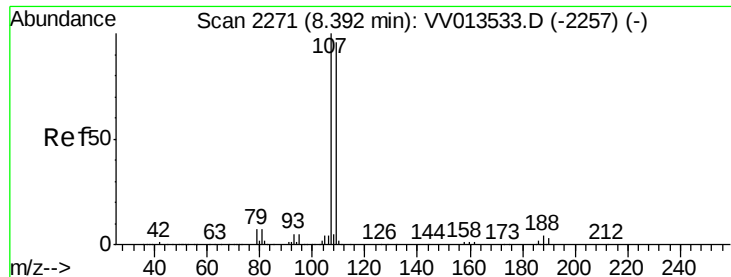
Ion	Ratio	Lower	Upper
129	100		
127	77.9	54.7	101.7



Abundance Ion 128.95 (128.65 to 129.65): VV013535.D (-2145) (-)

Ion 126.90 (126.60 to 127.60): VV013535.D (-2145) (-)

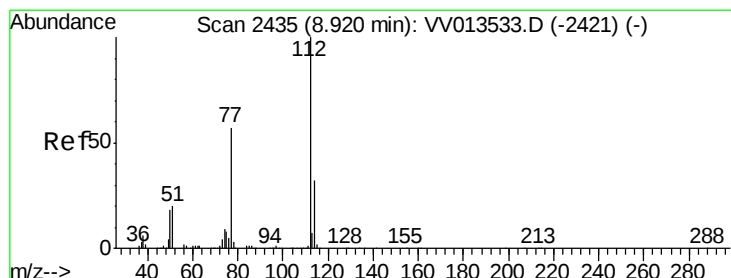
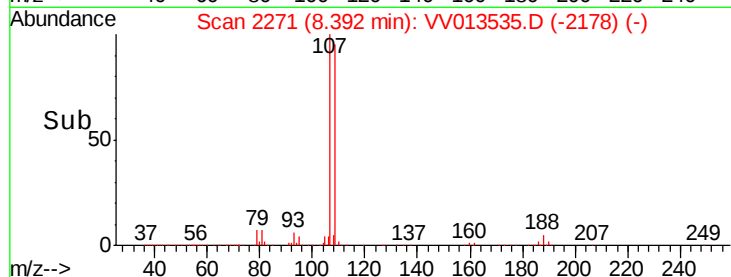
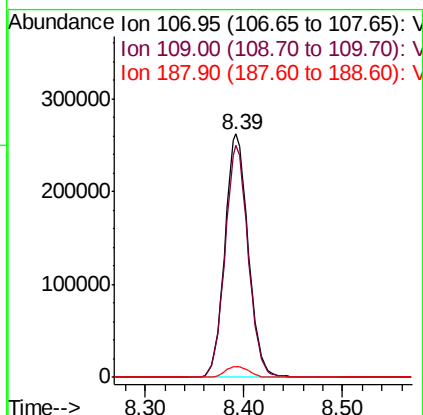
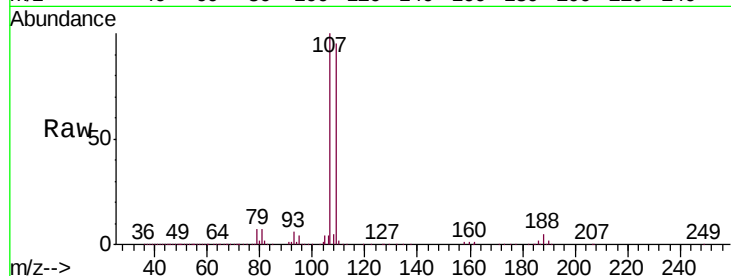




#50
1,2-Dibromoethane
Concen: 21.172 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV013535.D
Acq: 08 Nov 2019 11:33

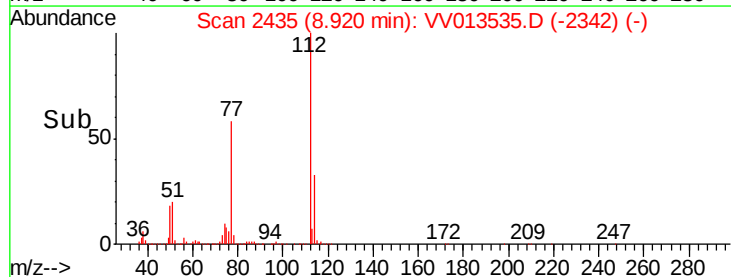
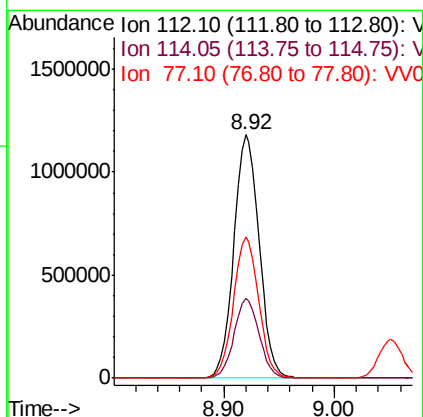
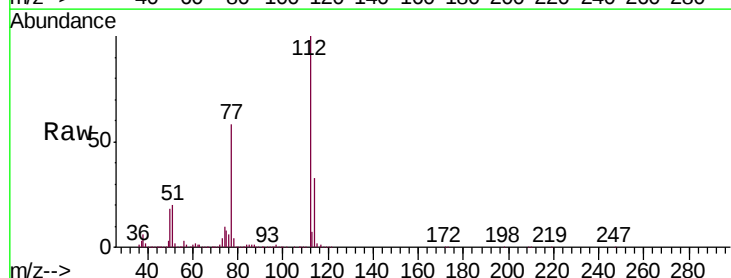
Instrument :
MSVOA_V
ClientSampleId :
VSTD02033

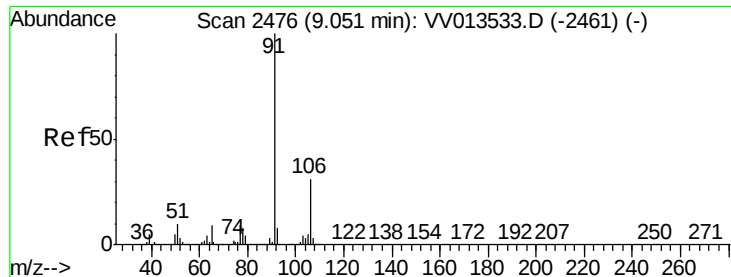
Tgt Ion:107 Resp: 437291
Ion Ratio Lower Upper
107 100
109 95.1 66.9 124.3
188 4.6 3.4 5.0



#51
Chlorobenzene
Concen: 21.561 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. 0.00 min
Lab File: VV013535.D
Acq: 08 Nov 2019 11:33

Tgt Ion:112 Resp: 1879362
Ion Ratio Lower Upper
112 100
114 32.7 22.6 42.0
77 58.0 46.2 69.2





#52

Ethylbenzene

Concen: 23.538 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV013535.D

Acq: 08 Nov 2019 11:33

Instrument :

MSVOA_V

ClientSampleId :

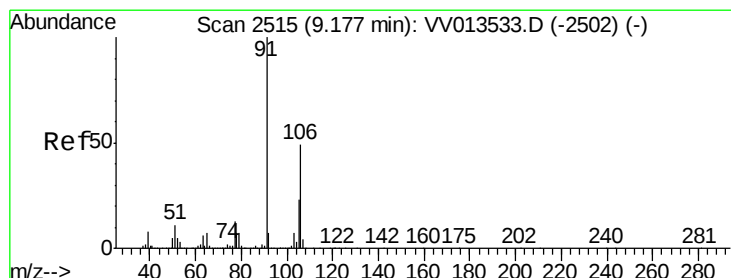
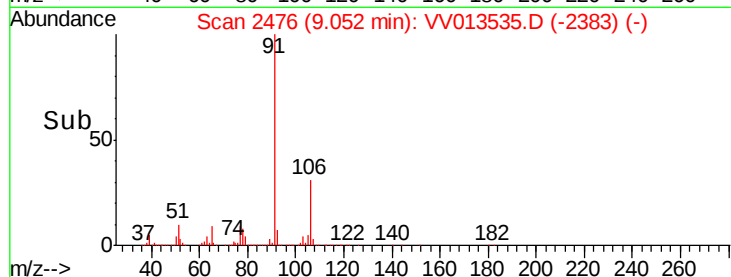
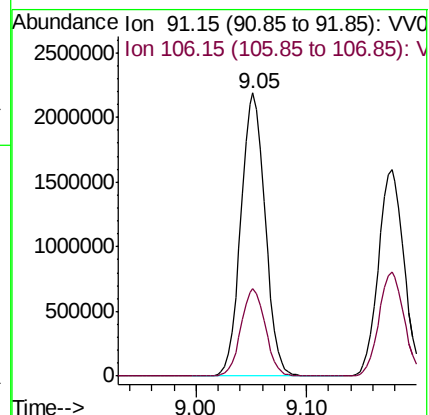
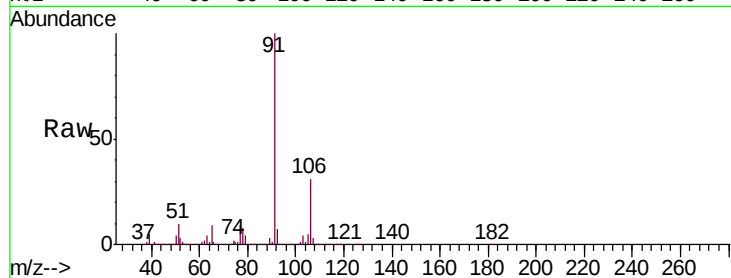
VSTD02033

Tgt Ion: 91 Resp: 3334007

Ion Ratio Lower Upper

91 100

106 31.0 21.6 40.0



#53

m,p-xylene

Concen: 24.259 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV013535.D

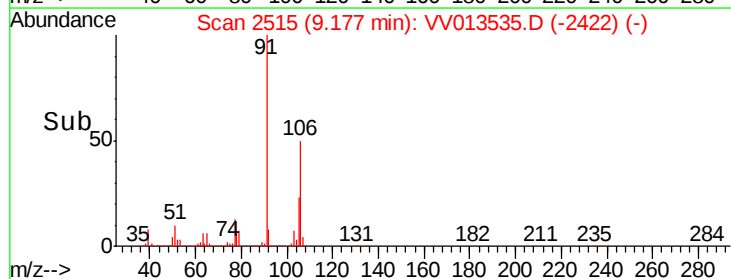
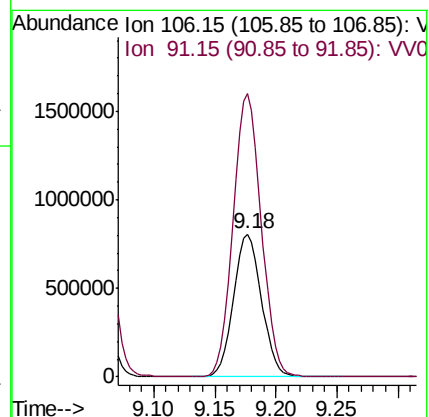
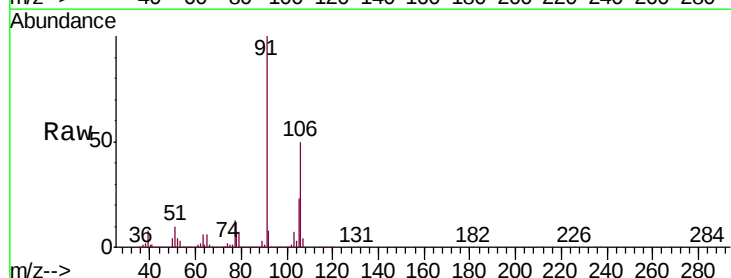
Acq: 08 Nov 2019 11:33

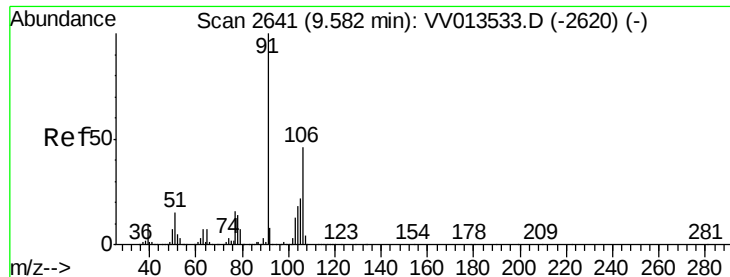
Tgt Ion: 106 Resp: 1287567

Ion Ratio Lower Upper

106 100

91 198.2 142.0 263.6





#54

o-xylene

Concen: 24.340 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV013535.D

Acq: 08 Nov 2019 11:33

Instrument :

MSVOA_V

ClientSampleId :

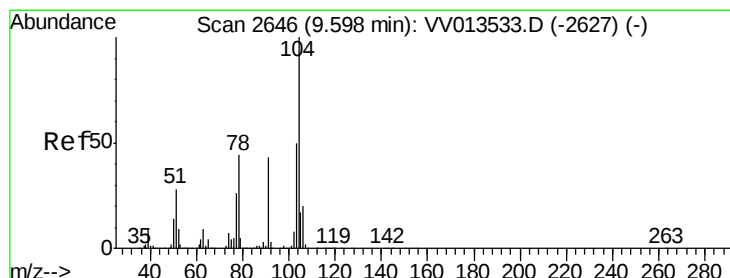
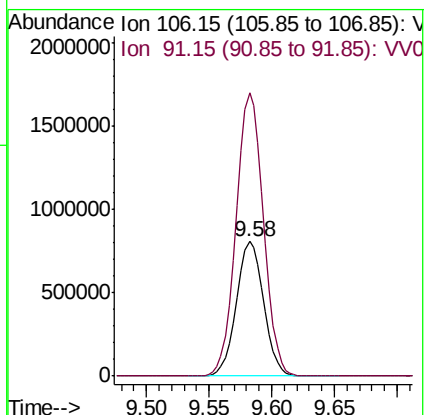
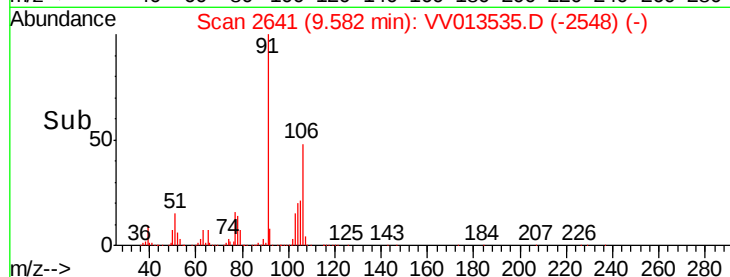
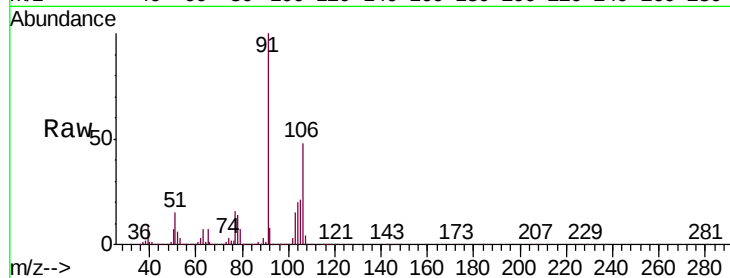
VSTD02033

Tgt Ion:106 Resp: 1221906

Ion Ratio Lower Upper

106 100

91 209.9 150.8 280.0



#55

Styrene

Concen: 24.466 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. 0.00 min

Lab File: VV013535.D

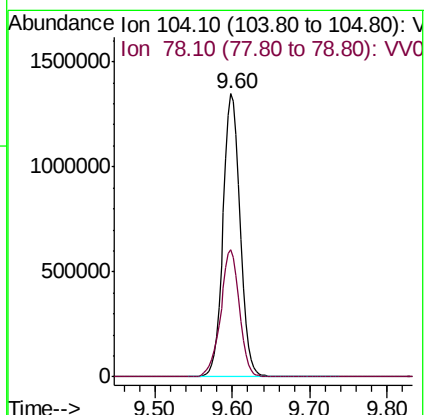
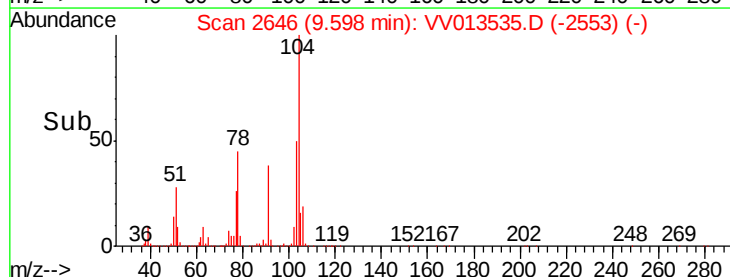
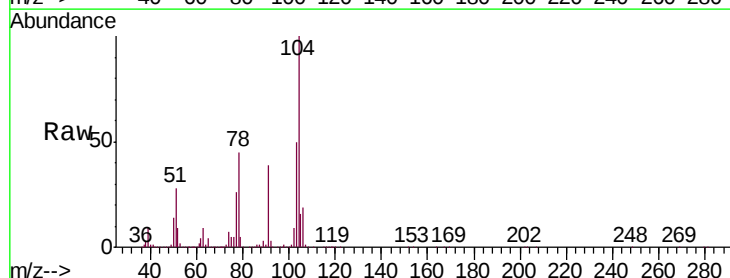
Acq: 08 Nov 2019 11:33

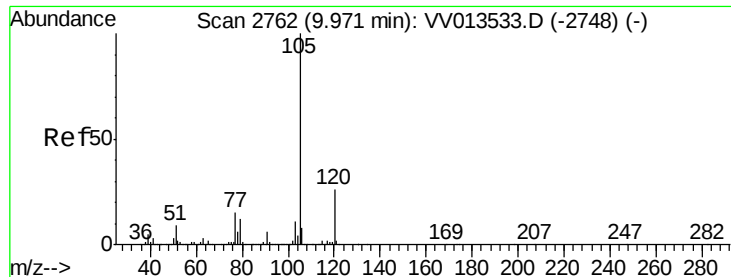
Tgt Ion:104 Resp: 2083124

Ion Ratio Lower Upper

104 100

78 44.9 30.8 57.2





#56

Isopropylbenzene

Concen: 24.030 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV013535.D

Acq: 08 Nov 2019 11:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD02033

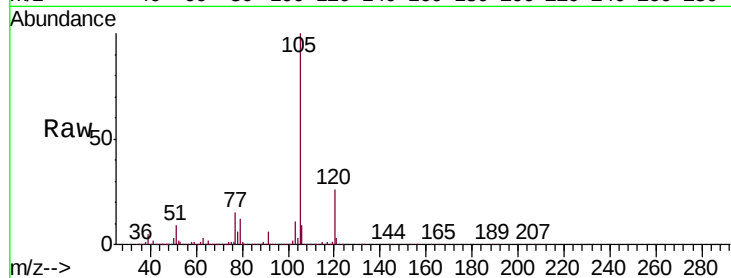
Tgt Ion:105 Resp: 3294734

Ion Ratio Lower Upper

105 100

120 26.5 20.9 31.3

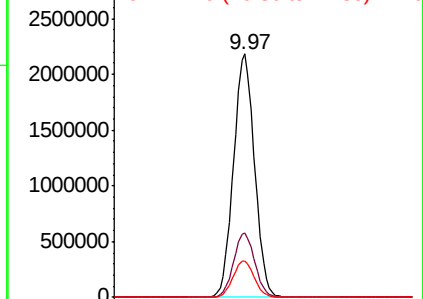
77 15.1 12.3 18.5



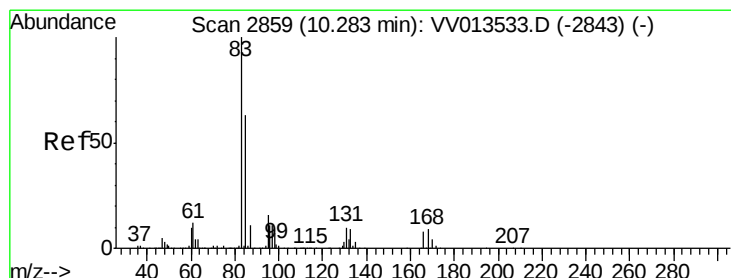
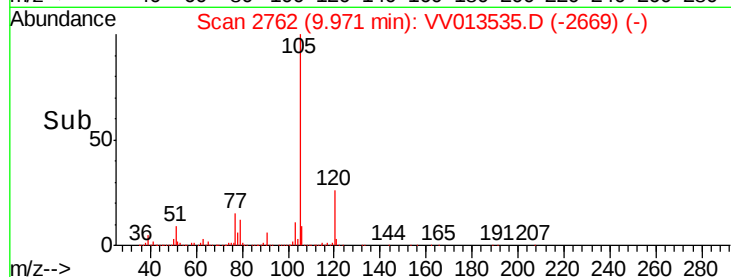
Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



Time-->



#58

1,1,2,2-Tetrachloroethane

Concen: 22.074 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV013535.D

Acq: 08 Nov 2019 11:33

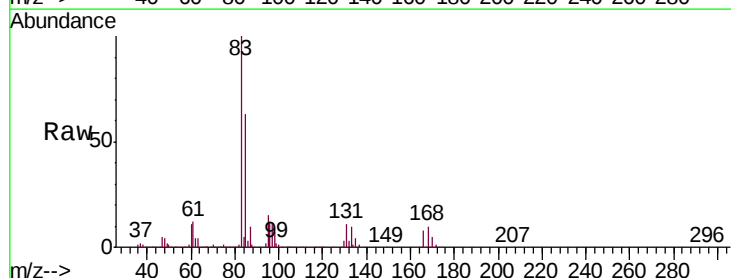
Tgt Ion: 83 Resp: 516173

Ion Ratio Lower Upper

83 100

85 63.5 44.1 81.9

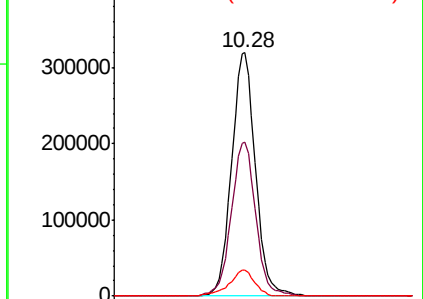
131 10.7 8.5 12.7



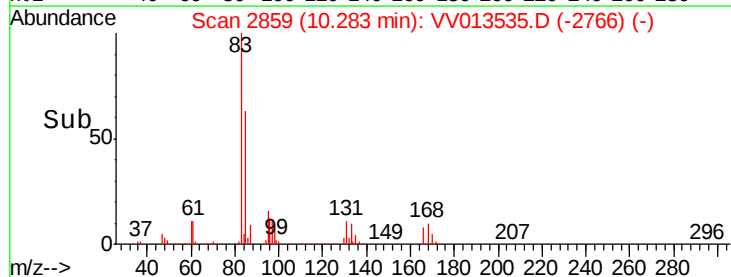
Abundance Ion 82.95 (82.65 to 83.65): VV0

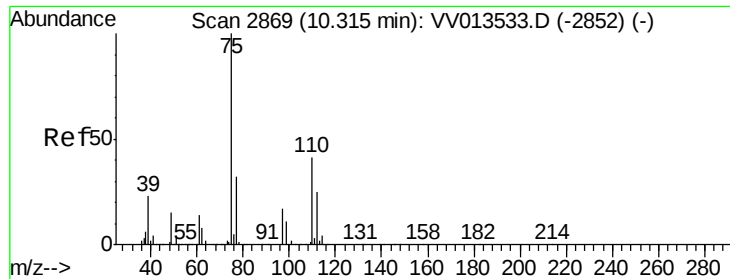
Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V



Time-->





#59

1,2,3-Trichloropropane

Concen: 20.979 ug/L

RT: 10.31 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VV013535.D

Acq: 08 Nov 2019 11:33

Instrument :

MSVOA_V

ClientSampled :

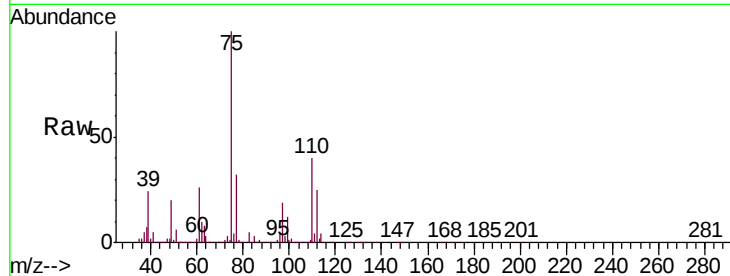
VSTD02033

Tgt Ion: 75 Resp: 392476

Ion Ratio Lower Upper

75 100

77 31.8 26.3 39.5



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

250000

200000

150000

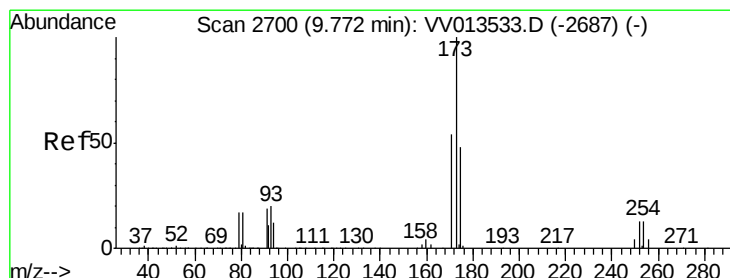
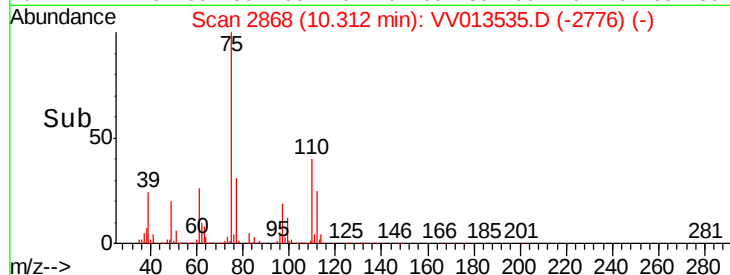
100000

50000

0

10.30 10.40

Time-->



#61

Bromoform

Concen: 21.097 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV013535.D

Acq: 08 Nov 2019 11:33

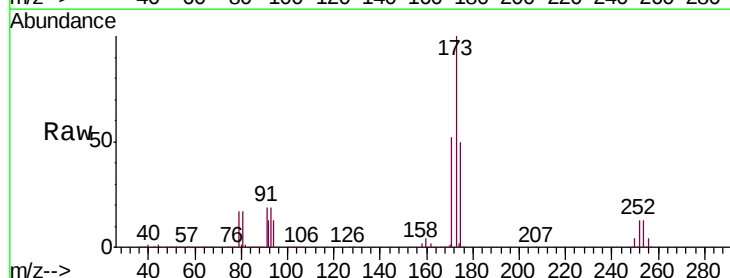
Tgt Ion: 173 Resp: 349722

Ion Ratio Lower Upper

173 100

175 49.5 38.8 58.2

254 12.7 11.2 16.8



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V

300000

250000

200000

150000

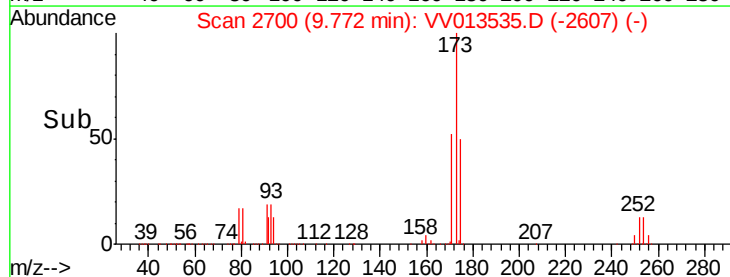
100000

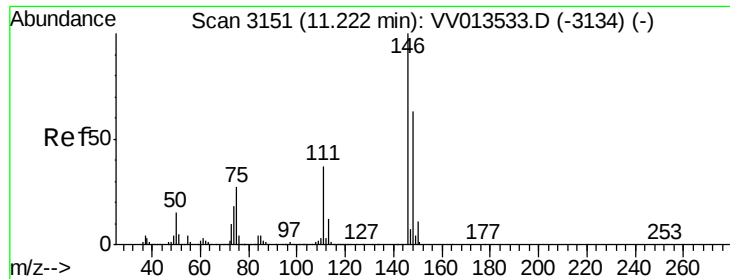
50000

0

9.70 9.75 9.80 9.85

Time-->

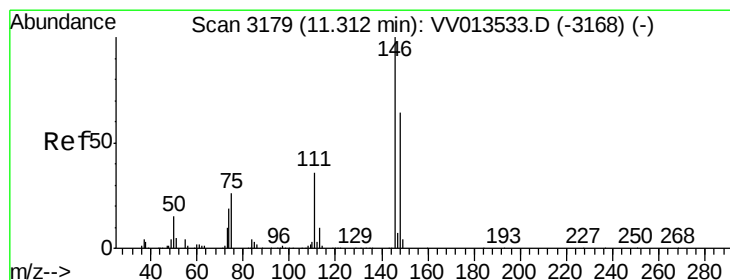
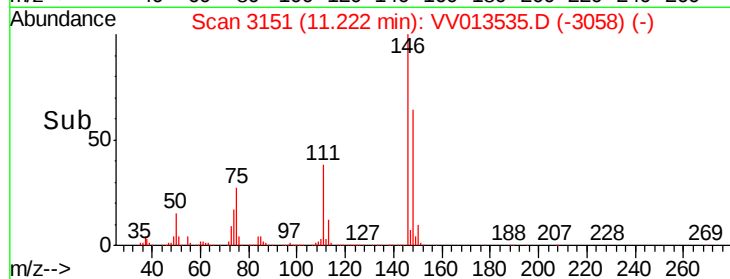
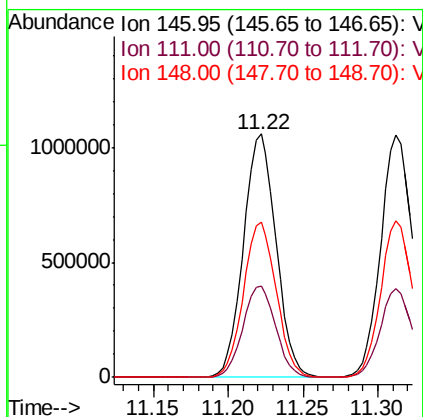
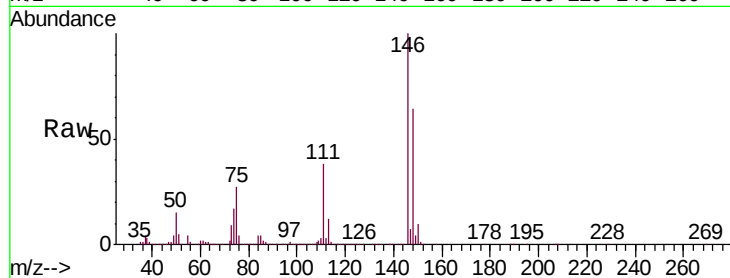




#62
 1,3-Dichlorobenzene
 Concen: 21.336 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. 0.00 min
 Lab File: VV013535.D
 Acq: 08 Nov 2019 11:33

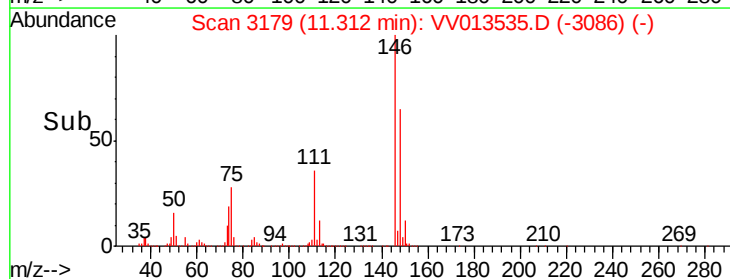
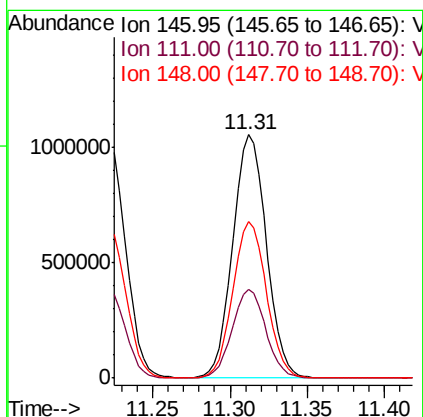
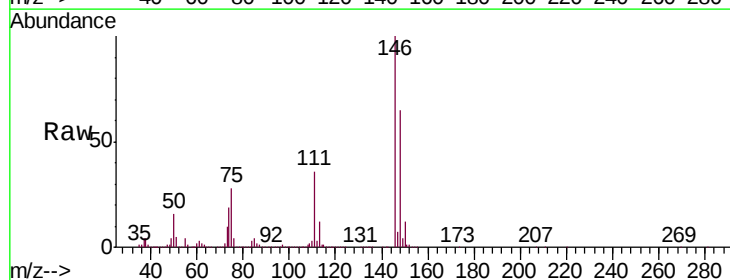
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD02033

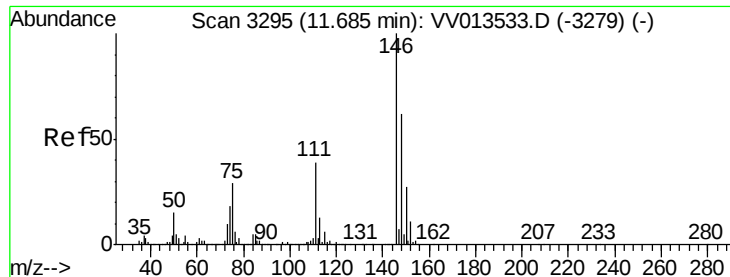
Tgt Ion:146 Resp: 1607207
 Ion Ratio Lower Upper
 146 100
 111 37.6 26.2 48.6
 148 63.7 44.2 82.0



#63
 1,4-Dichlorobenzene
 Concen: 21.297 ug/L
 RT: 11.31 min Scan# 3179
 Delta R.T. 0.00 min
 Lab File: VV013535.D
 Acq: 08 Nov 2019 11:33

Tgt Ion:146 Resp: 1585279
 Ion Ratio Lower Upper
 146 100
 111 36.4 25.2 46.8
 148 64.6 44.7 82.9

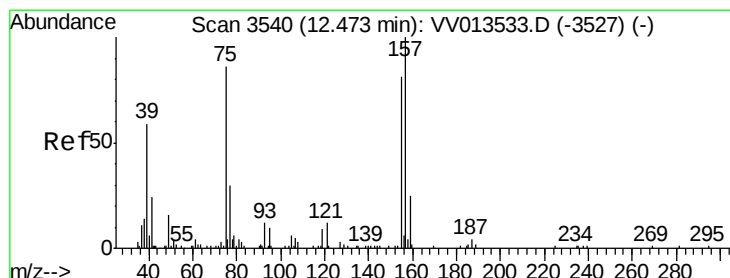
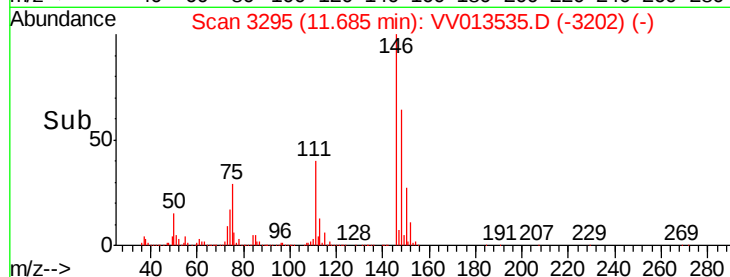
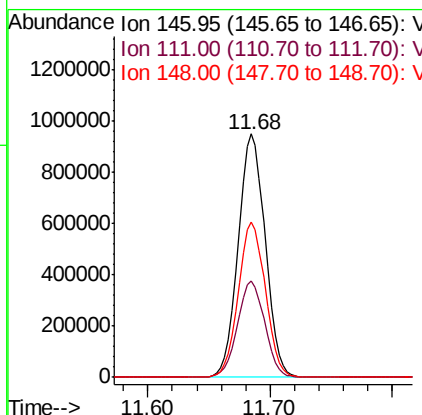
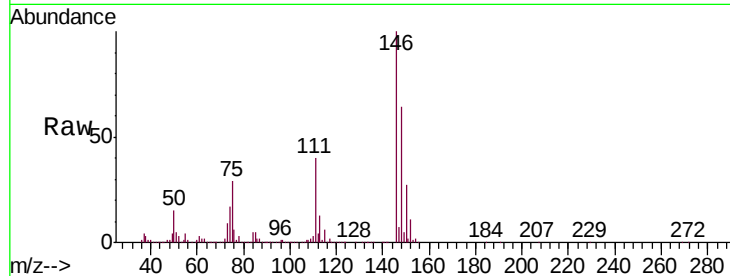




#65
 1,2-Dichlorobenzene
 Concen: 21.325 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV013535.D
 Acq: 08 Nov 2019 11:33

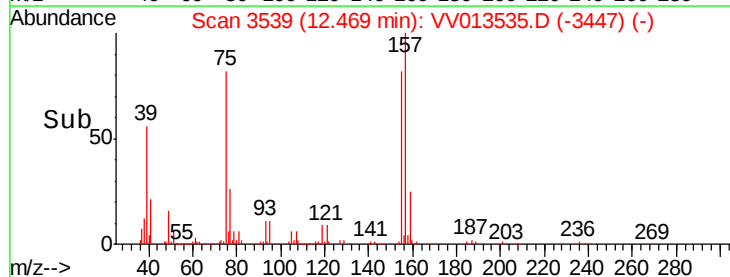
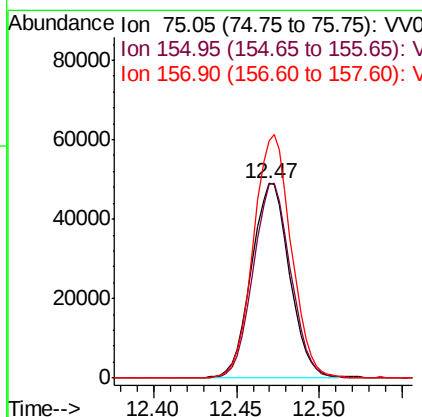
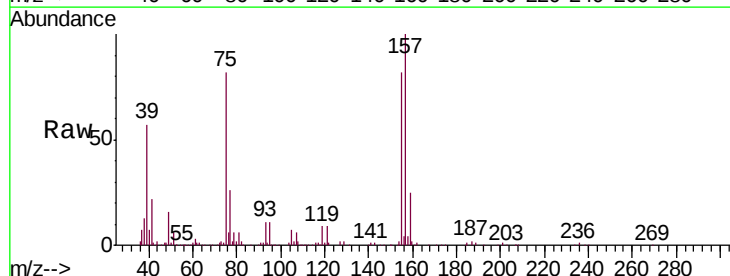
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02033

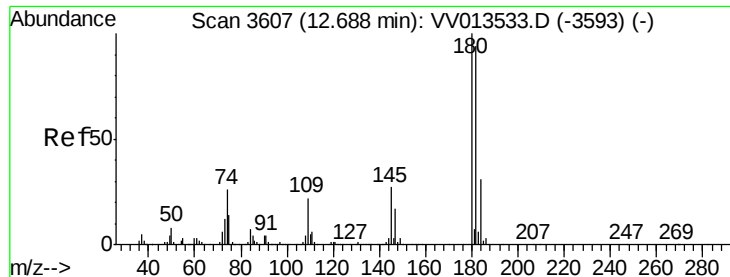
Tgt Ion:146 Resp: 1448102
 Ion Ratio Lower Upper
 146 100
 111 39.6 31.2 46.8
 148 64.0 49.4 74.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 21.415 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. -0.00 min
 Lab File: VV013535.D
 Acq: 08 Nov 2019 11:33

Tgt Ion: 75 Resp: 77903
 Ion Ratio Lower Upper
 75 100
 155 99.9 75.0 112.6
 157 122.1 92.2 138.4

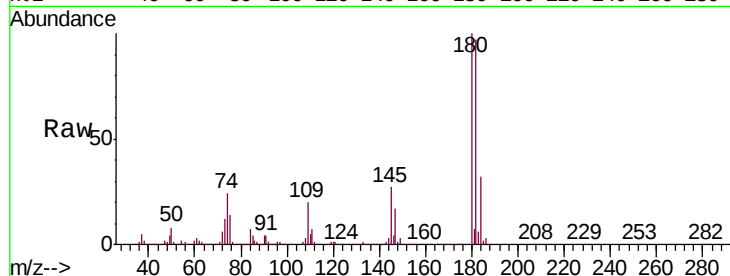




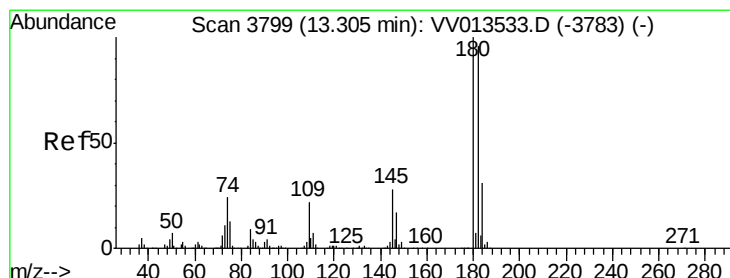
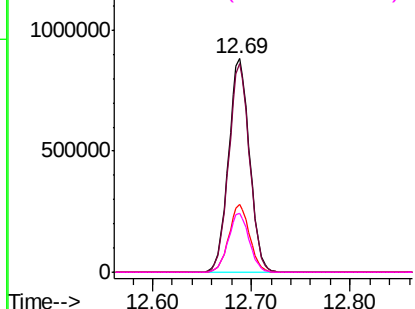
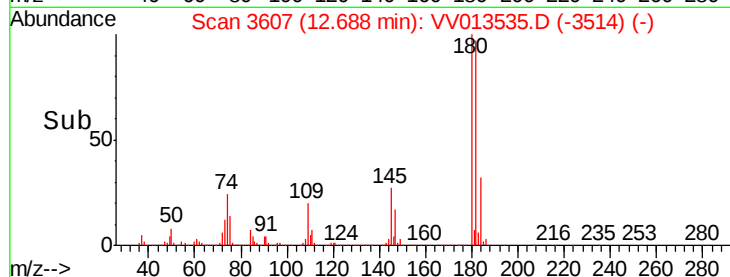
#67
 1,3,5-Trichlorobenzene
 Concen: 22.890 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV013535.D
 Acq: 08 Nov 2019 11:33

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02033

Tgt Ion:180 Resp: 1320550
 Ion Ratio Lower Upper
 180 100
 182 96.6 76.8 115.2
 184 31.0 25.0 37.6
 145 27.3 22.1 33.1

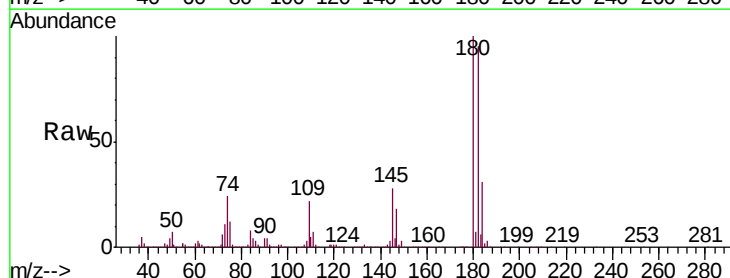


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

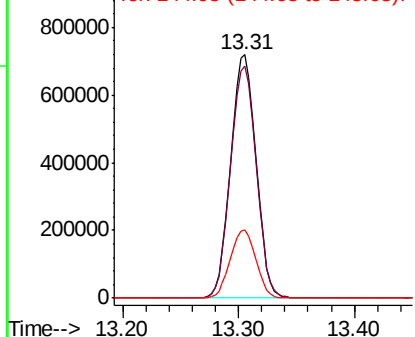
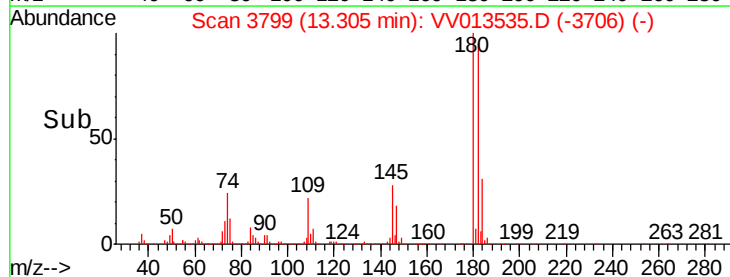


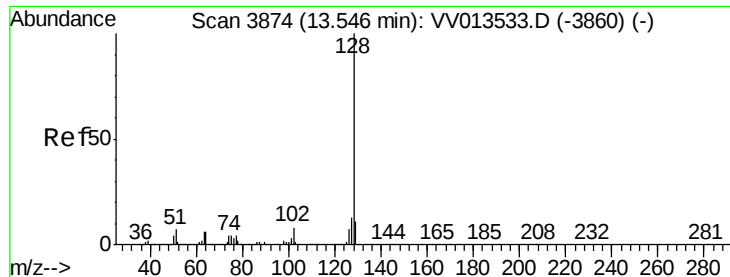
#68
 1,2,4-trichlorobenzene
 Concen: 24.809 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV013535.D
 Acq: 08 Nov 2019 11:33

Tgt Ion:180 Resp: 1084271
 Ion Ratio Lower Upper
 180 100
 182 96.8 76.6 115.0
 145 28.1 22.2 33.4



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: 27.565 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV013535.D

Acq: 08 Nov 2019 11:33

Instrument :

MSVOA_V

ClientSampleId :

VSTD02033

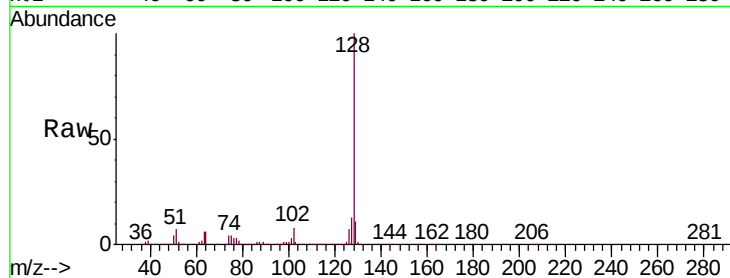
Tgt Ion:128 Resp: 1627149

Ion Ratio Lower Upper

128 100

129 11.0 8.5 12.7

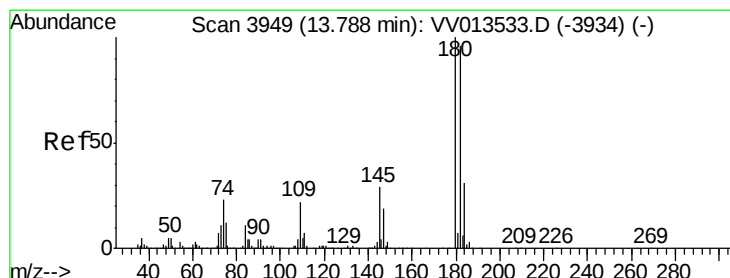
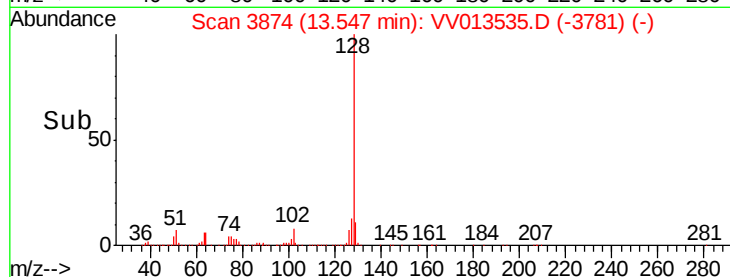
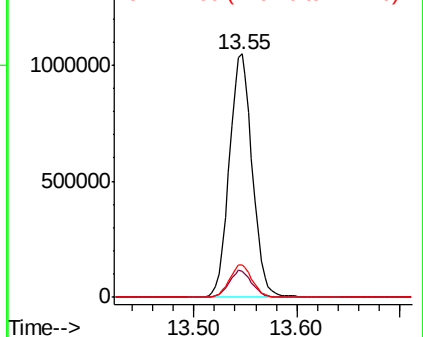
127 13.4 10.7 16.1



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: 24.383 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV013535.D

Acq: 08 Nov 2019 11:33

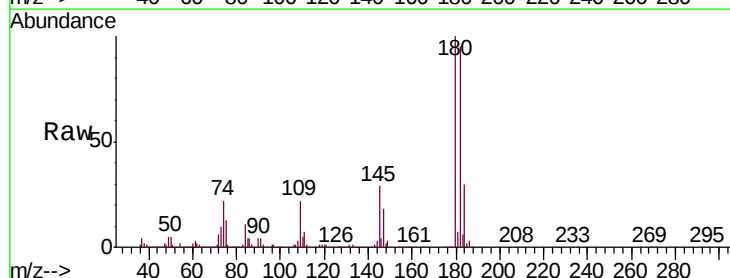
Tgt Ion:180 Resp: 995517

Ion Ratio Lower Upper

180 100

182 95.2 76.2 114.4

145 28.9 23.2 34.8



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

