

Data File : VV014187.D
Acq On : 27 Dec 2019 12:48
Operator : SY/MD
Sample : VSTD005
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00536

Quant Time: Dec 27 13:31:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR122719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Dec 27 11:20:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	802684	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	730927	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	338015	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	172126	2.99	ug/L	0.00
7) Chloroethane-d5	1.58	69	146494	3.04	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	311502	3.19	ug/L	0.00
20) 2-Butanone-d5	3.94	46	424606	39.08	ug/L	0.00
24) Chloroform-d	4.39	84	434108	3.96	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.07	65	209612	3.96	ug/L	0.00
32) Benzene-d6	5.09	84	954082	4.76	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.11	67	284870	4.73	ug/L	0.00
41) Toluene-d8	7.35	98	882040	4.88	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	122204	5.25	ug/L	0.00
46) 2-Hexanone-d5	8.13	63	487978	59.32	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.25	84	200448	4.57	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	288164	4.76	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	294826	4.549 ug/L	98
3) Chloromethane	1.25	50	256986	3.849 ug/L	98
5) Vinyl chloride	1.32	62	245762	3.938 ug/L	97
6) Bromomethane	1.53	94	113833	3.309 ug/L	99
8) Chloroethane	1.60	64	131352	3.542 ug/L	97
9) Trichlorofluoromethane	1.77	101	319055	3.792 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	168472	3.553 ug/L	94
12) 1,1-Dichloroethene	2.14	96	162901	3.520 ug/L	91
13) Acetone	2.21	43	259120	29.279 ug/L	93
14) Carbon disulfide	2.31	76	752120	4.890 ug/L	98
15) Methyl Acetate	2.47	43	85051	4.070 ug/L	96
16) Methylene chloride	2.53	84	267503	4.299 ug/L	92
17) Methyl tert-butyl Ether	2.80	73	611224	5.368 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	266030	4.860 ug/L	97
19) 1,1-Dichloroethane	3.23	63	490077	4.824 ug/L	99
21) 2-Butanone	4.03	43	536097	44.223 ug/L	100
22) cis-1,2-Dichloroethene	3.96	96	292610	5.191 ug/L #	99
23) Bromochloromethane	4.29	128	111070	4.265 ug/L	92
25) Chloroform	4.42	83	511125	4.908 ug/L	97
27) 1,2-Dichloroethane	5.17	62	278525	4.699 ug/L #	93
29) 1,1,1-Trichloroethane	4.65	97	430354	5.062 ug/L	99
30) Cyclohexane	4.72	56	468352	5.758 ug/L	99
31) Carbon tetrachloride	4.87	117	367739	4.860 ug/L	99
33) Benzene	5.14	78	1103504	5.351 ug/L	100
34) Trichloroethene	5.95	95	295603	5.442 ug/L	87
35) Methylcyclohexane	6.17	83	483350	5.995 ug/L	96
37) 1,2-Dichloropropane	6.22	63	272244	5.350 ug/L	99
38) Bromodichloromethane	6.55	83	354330	5.353 ug/L	97
39) cis-1,3-Dichloropropene	7.06	75	436296	6.086 ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	1618398	58.376 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.42	91	1179497	5.468	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	335364	5.950	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	179579	5.080	ug/L	98
47) Tetrachloroethene	8.01	164	204688	4.180	ug/L	89
48) 2-Hexanone	8.18	43	1150211	56.790	ug/L	97
49) Dibromochloromethane	8.28	129	226717	5.064	ug/L	95
50) 1,2-Dibromoethane	8.39	107	171411	5.276	ug/L	93
51) Chlorobenzene	8.92	112	733514	5.204	ug/L	95
52) Ethylbenzene	9.05	91	1327591	5.908	ug/L	99
53) m,p-xylene	9.18	106	497838	5.733	ug/L	95
54) o-xylene	9.58	106	492962	6.037	ug/L	98
55) Styrene	9.60	104	819993	5.817	ug/L	97
56) Isopropylbenzene	9.97	105	1284110	5.949	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	210227	5.077	ug/L	99
59) 1,2,3-Trichloropropane	10.31	75	157169	5.119	ug/L	99
61) Bromoform	9.77	173	117927	5.061	ug/L #	96
62) 1,3-Dichlorobenzene	11.22	146	540573	5.479	ug/L	95
63) 1,4-Dichlorobenzene	11.31	146	542923	5.434	ug/L	97
65) 1,2-Dichlorobenzene	11.68	146	496519	5.405	ug/L	94
66) 1,2-Dibromo-3-chloropropan	12.47	75	39005	6.925	ug/L #	86
67) 1,3,5-Trichlorobenzene	12.69	180	391047	4.820	ug/L #	97
68) 1,2,4-trichlorobenzene	13.31	180	341469	5.160	ug/L	96
69) Naphthalene	13.55	128	621181	7.153	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	299852	4.912	ug/L #	96

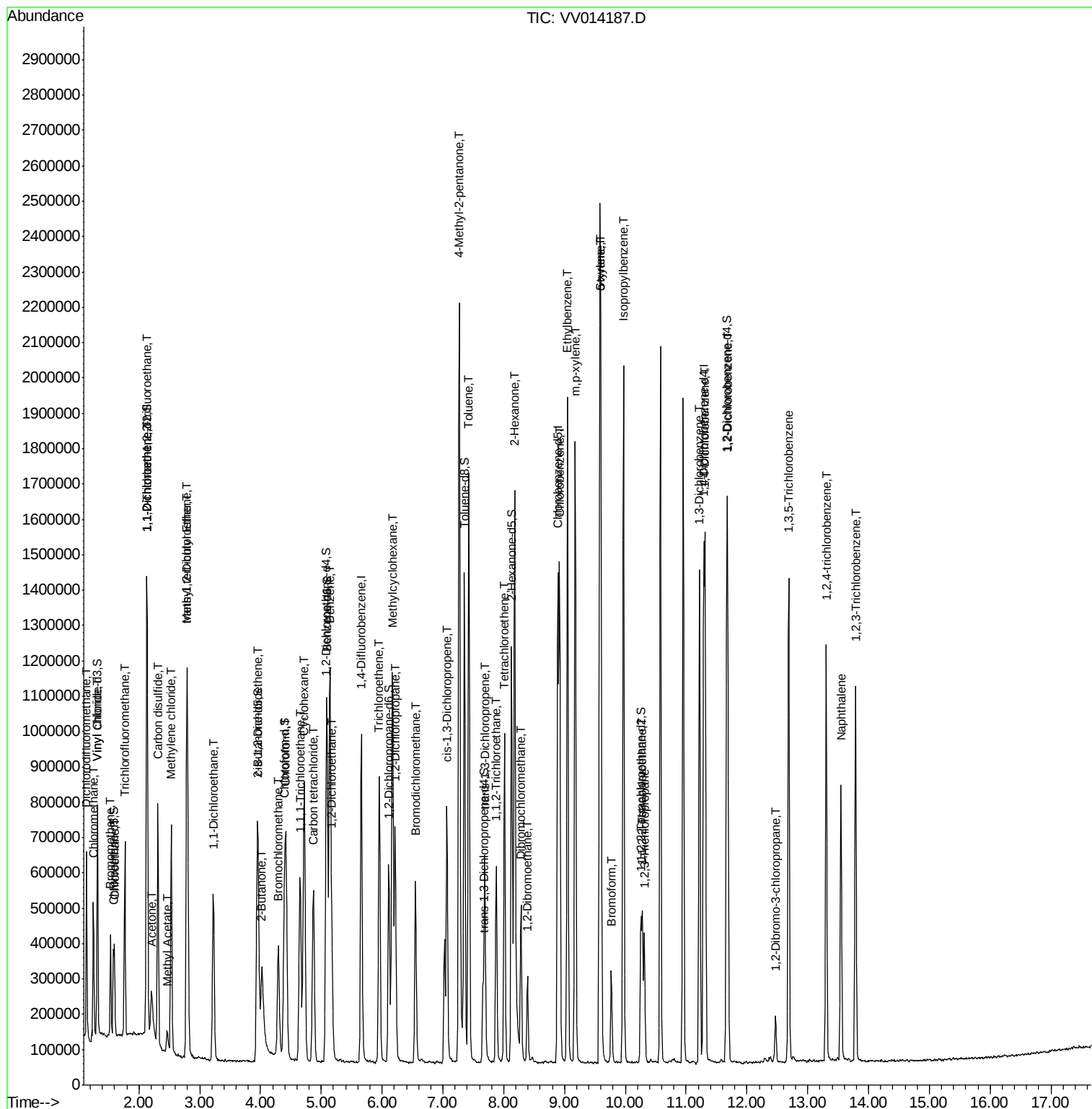
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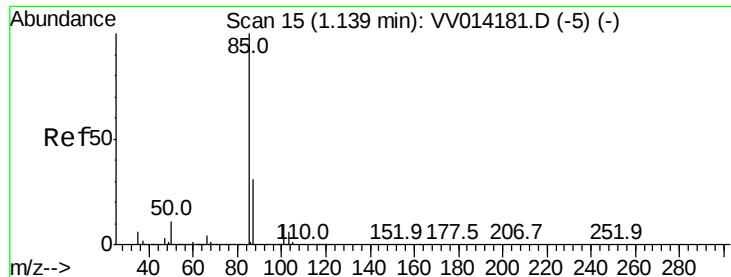
Data File : VV014187.D

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#2

Dichlorodifluoromethane

Concen: 4.549 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV014187.D

Acq: 27 Dec 2019 12:48

Instrument :

MSVOA_V

ClientSampleId :

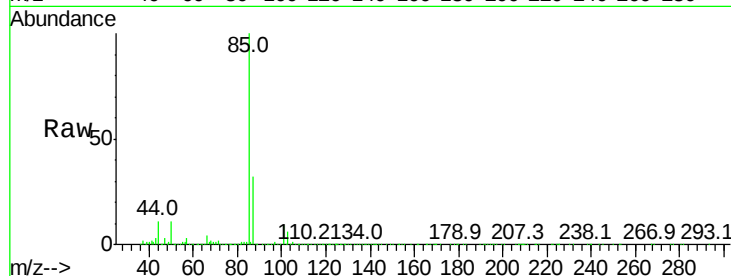
VSTD00536

Tgt Ion: 85 Resp: 294826

Ion Ratio Lower Upper

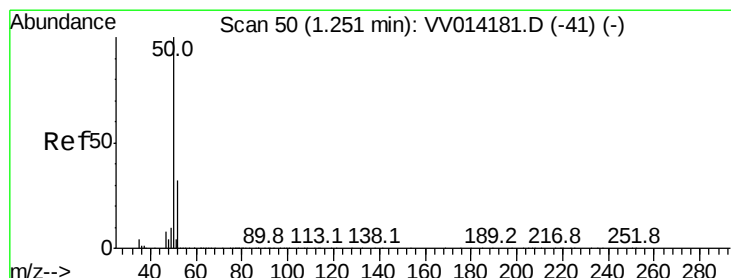
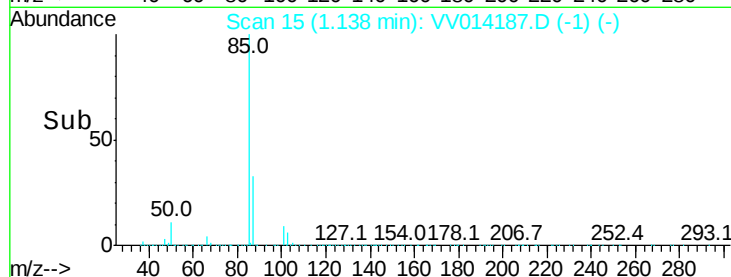
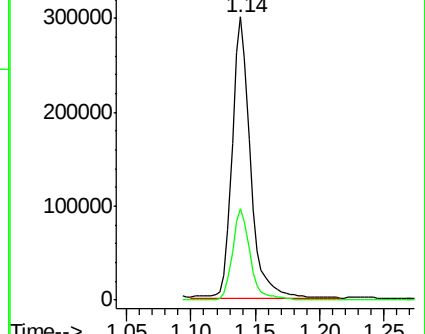
85 100

87 31.4 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 3.849 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV014187.D

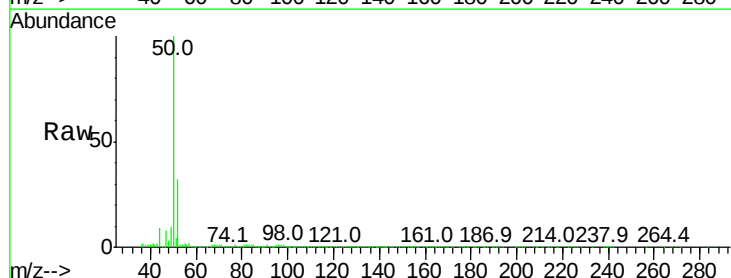
Acq: 27 Dec 2019 12:48

Tgt Ion: 50 Resp: 256986

Ion Ratio Lower Upper

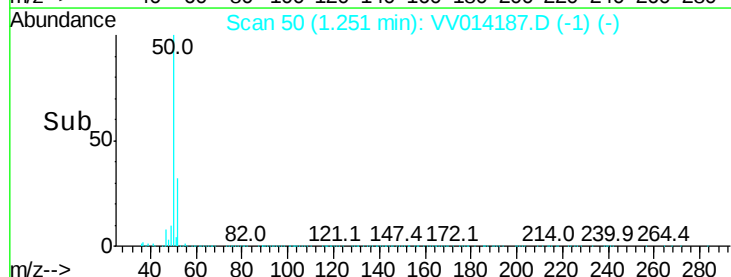
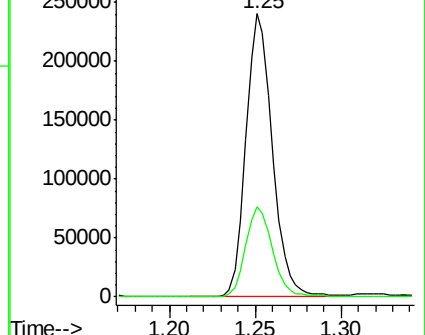
50 100

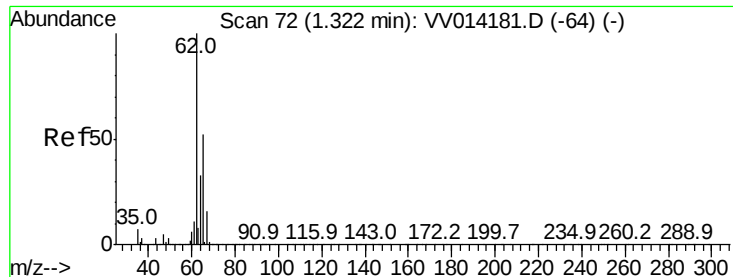
52 31.8 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 3.938 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV014187.D

Acq: 27 Dec 2019 12:48

Instrument :

MSVOA_V

ClientSampleId :

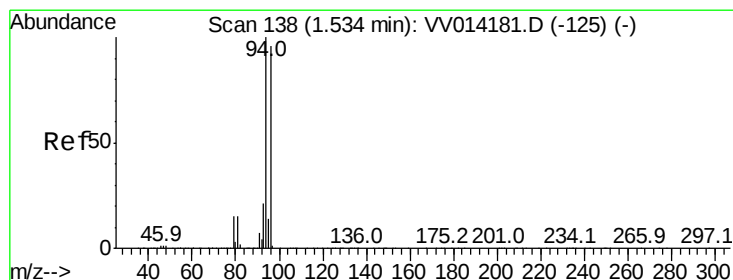
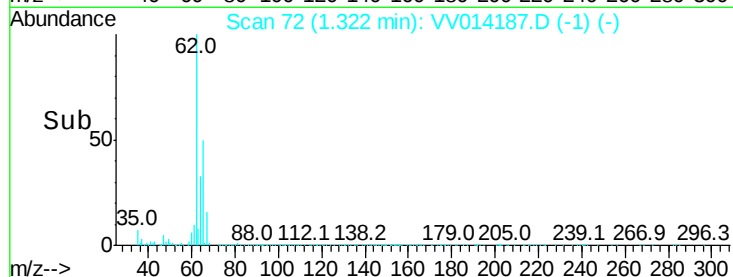
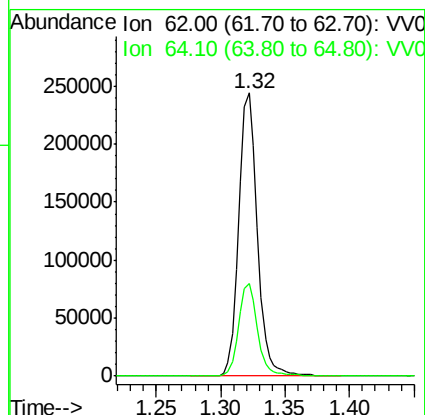
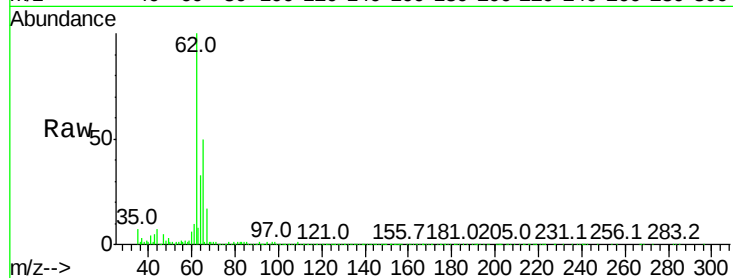
VSTD00536

Tgt Ion: 62 Resp: 245762

Ion Ratio Lower Upper

62 100

64 32.8 22.0 40.8



#6

Bromomethane

Concen: 3.309 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV014187.D

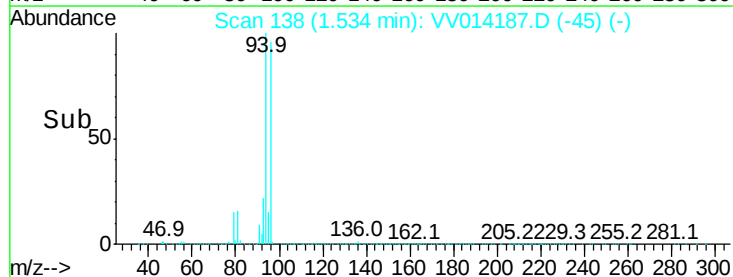
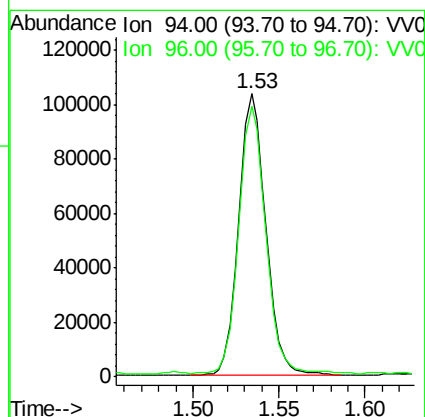
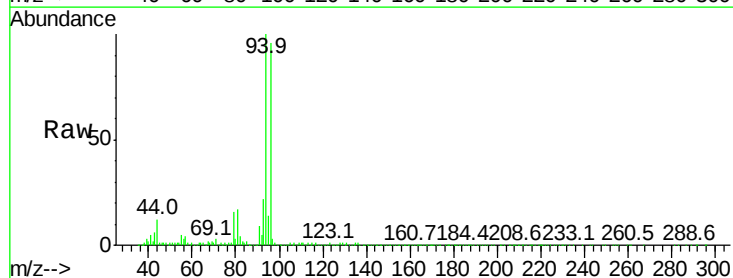
Acq: 27 Dec 2019 12:48

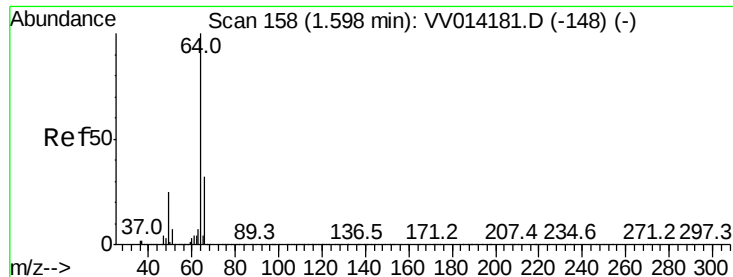
Tgt Ion: 94 Resp: 113833

Ion Ratio Lower Upper

94 100

96 95.6 66.4 123.4





#8

Chloroethane

Concen: 3.542 ug/L

RT: 1.60 min Scan# 158

Delta R.T. -0.00 min

Lab File: VV014187.D

Acq: 27 Dec 2019 12:48

Instrument :

MSVOA_V

ClientSampleId :

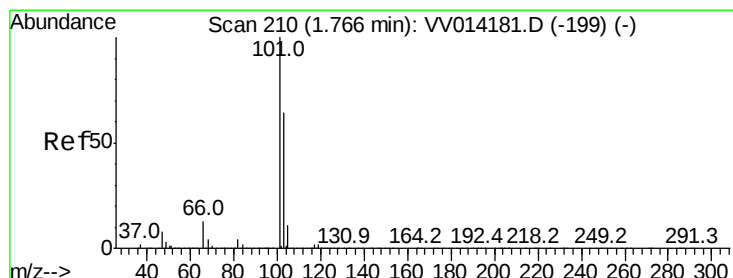
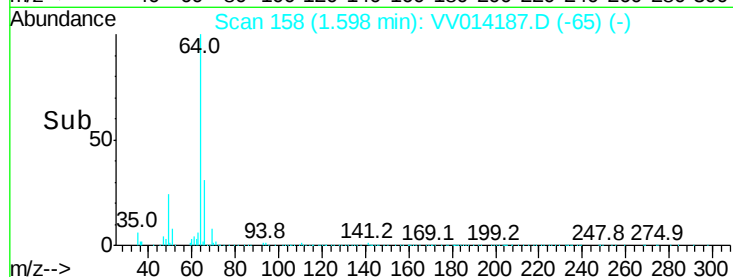
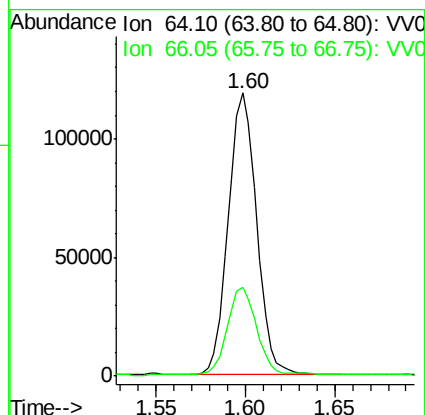
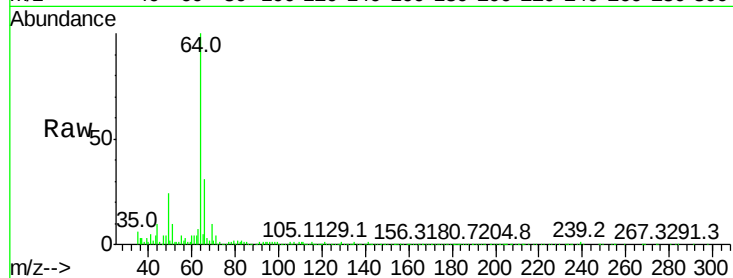
VSTD00536

Tgt Ion: 64 Resp: 131352

Ion Ratio Lower Upper

64 100

66 31.2 23.1 42.9



#9

Trichlorofluoromethane

Concen: 3.792 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.00 min

Lab File: VV014187.D

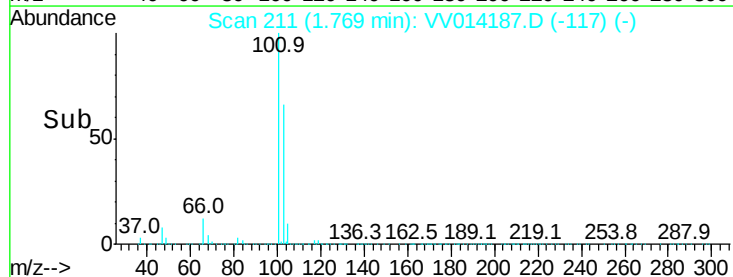
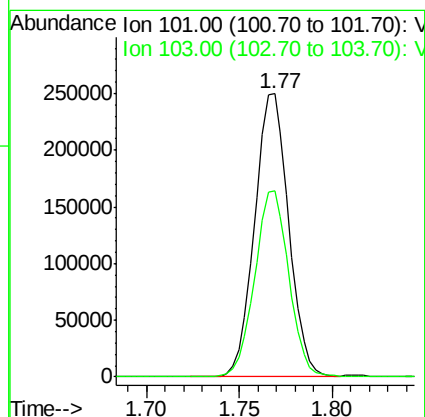
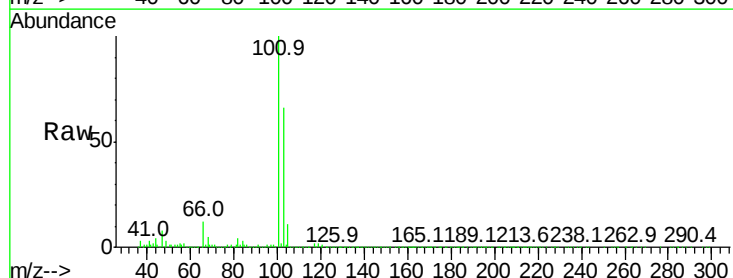
Acq: 27 Dec 2019 12:48

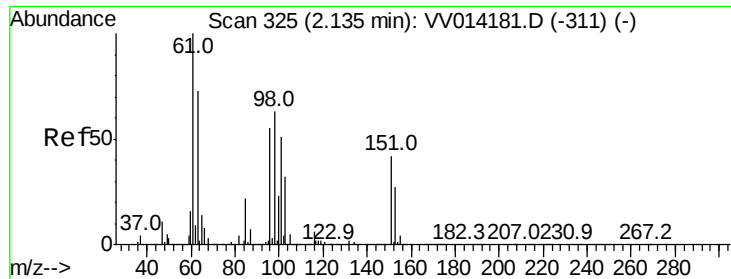
Tgt Ion: 101 Resp: 319055

Ion Ratio Lower Upper

101 100

103 65.7 51.8 77.8





#10

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

Concen: 3.553 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV014187.D

Acq: 27 Dec 2019 12:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD00536

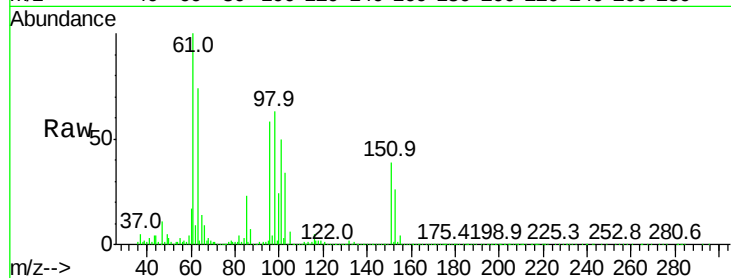
Tgt Ion: 101 Resp: 168472

Ion Ratio Lower Upper

101 100

85 43.6 34.7 52.1

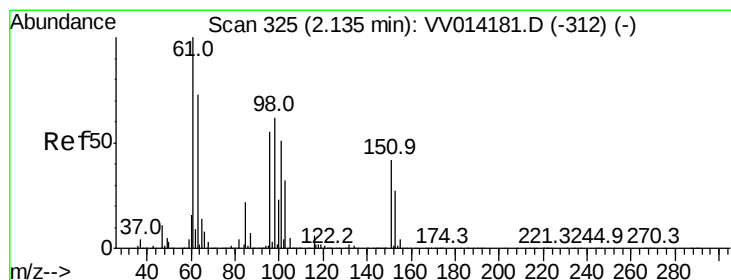
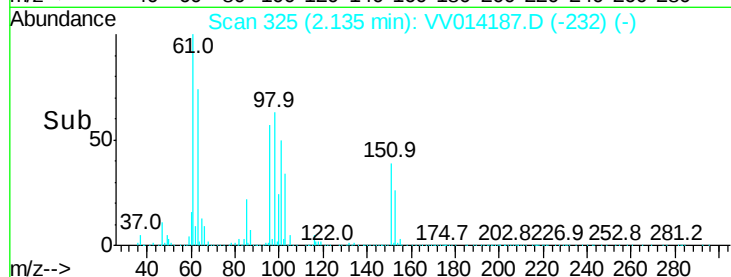
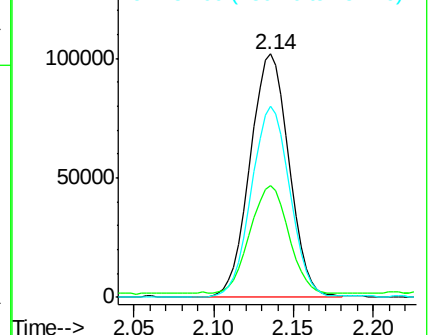
151 78.1 69.1 103.7



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: 3.520 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV014187.D

Acq: 27 Dec 2019 12:48

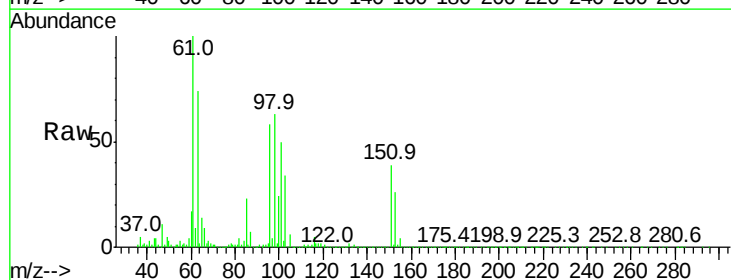
Tgt Ion: 96 Resp: 162901

Ion Ratio Lower Upper

96 100

61 173.6 115.8 215.2

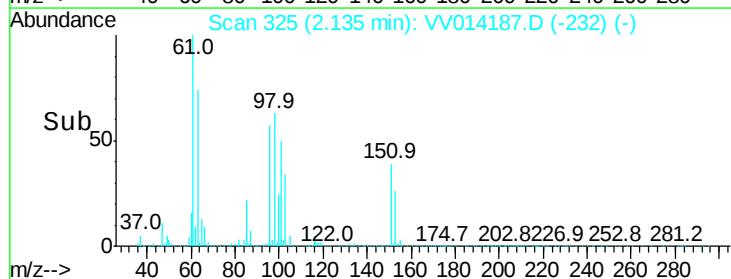
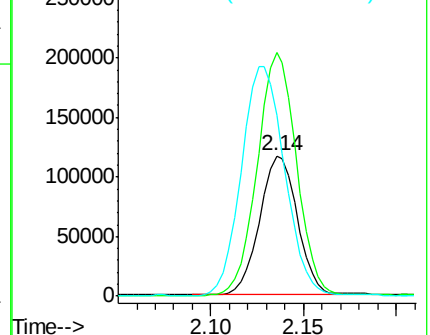
63 129.0 79.9 148.3

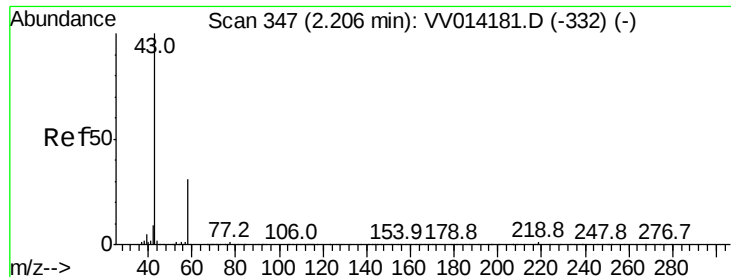


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 29.279 ug/L

RT: 2.21 min Scan# 348

Delta R.T. 0.00 min

Lab File: VV014187.D

Acq: 27 Dec 2019 12:48

Instrument :

MSVOA_V

ClientSampleId :

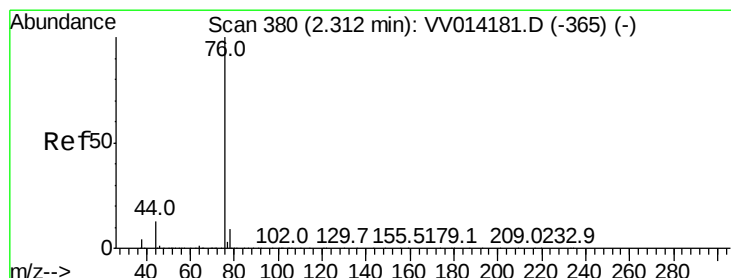
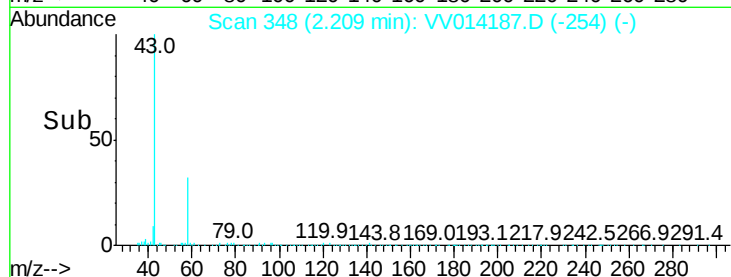
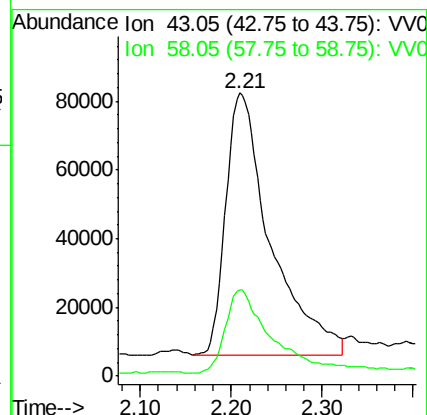
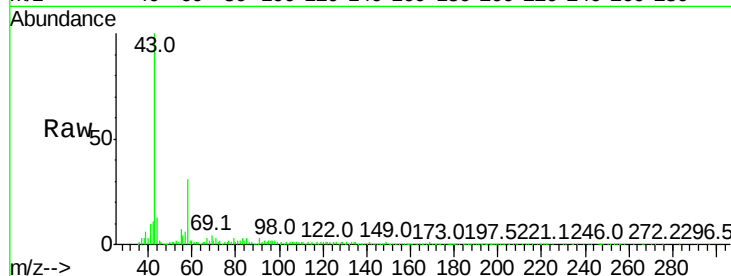
VSTD00536

Tgt Ion: 43 Resp: 259120

Ion Ratio Lower Upper

43 100

58 33.0 0.0 58.8



#14

Carbon disulfide

Concen: 4.890 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV014187.D

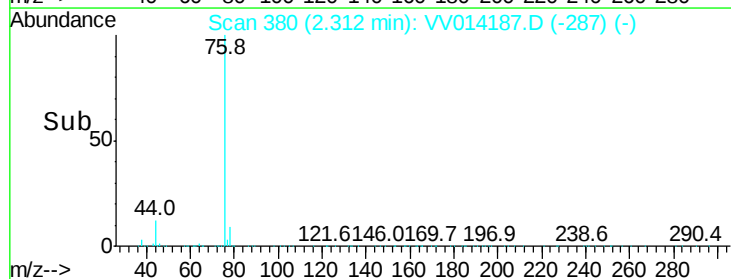
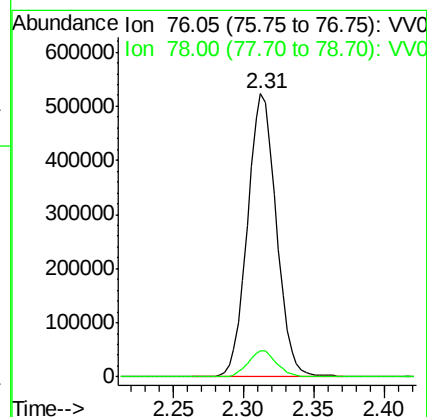
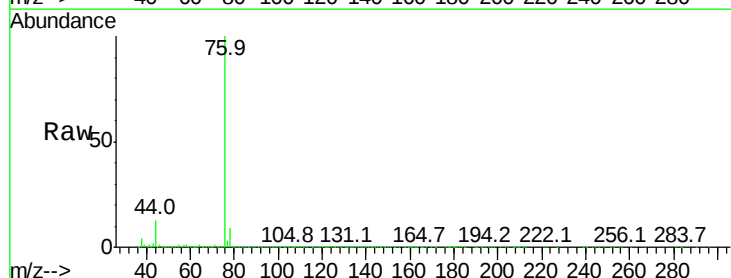
Acq: 27 Dec 2019 12:48

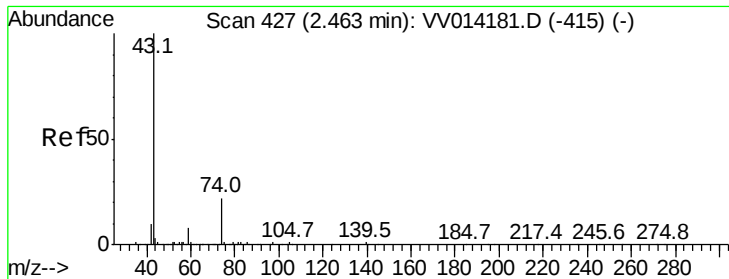
Tgt Ion: 76 Resp: 752120

Ion Ratio Lower Upper

76 100

78 9.4 7.0 10.6

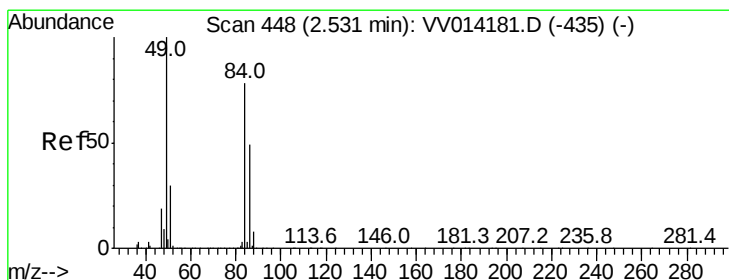
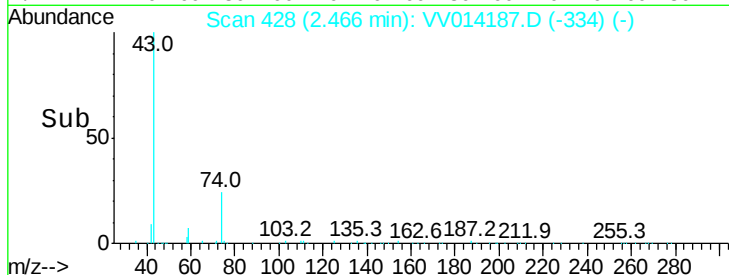
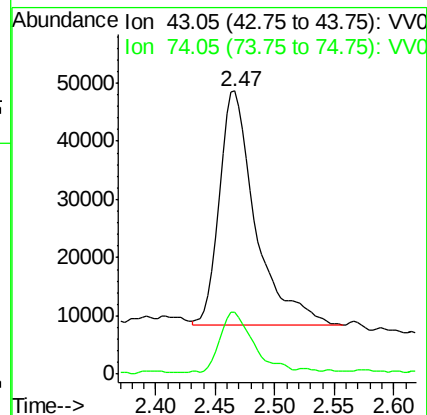
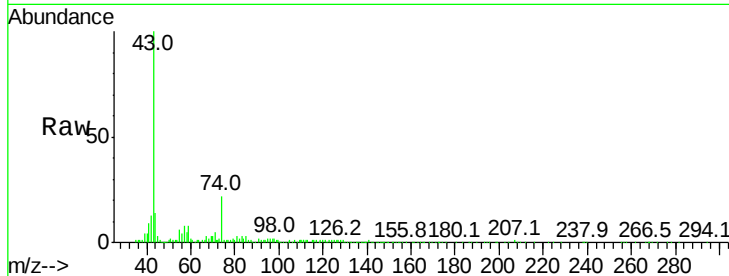




#15
Methyl Acetate
Concen: 4.070 ug/L
RT: 2.47 min Scan# 428
Delta R.T. 0.00 min
Lab File: VV014187.D
Acq: 27 Dec 2019 12:48

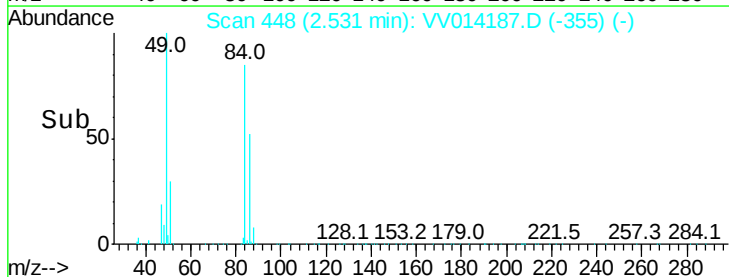
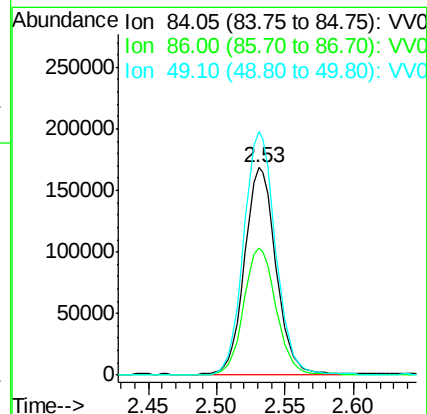
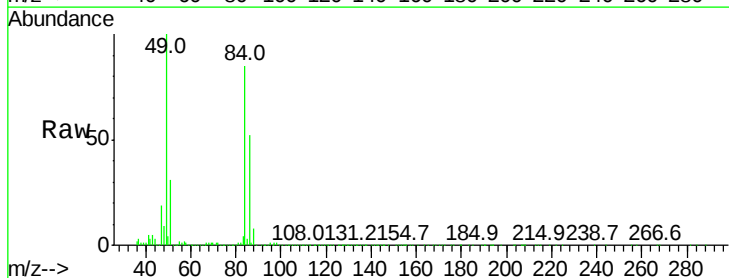
Instrument :
MSVOA_V
ClientSampleId :
VSTD00536

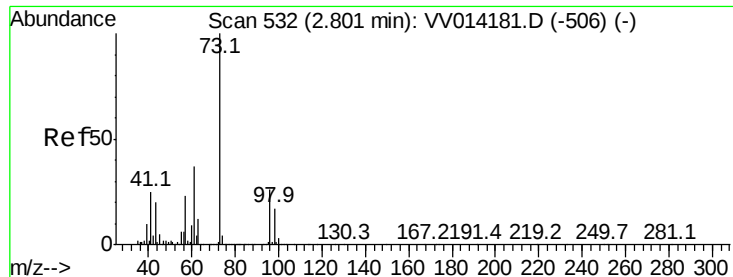
Tgt Ion: 43 Resp: 85051
Ion Ratio Lower Upper
43 100
74 23.3 17.3 25.9



#16
Methylene chloride
Concen: 4.299 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV014187.D
Acq: 27 Dec 2019 12:48

Tgt Ion: 84 Resp: 267503
Ion Ratio Lower Upper
84 100
86 61.6 46.3 85.9
49 117.3 89.8 166.8





#17

Methyl tert-butyl Ether

Concen: 5.368 ug/L

RT: 2.80 min Scan# 532

Delta R.T. -0.00 min

Lab File: VV014187.D

Acq: 27 Dec 2019 12:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD00536

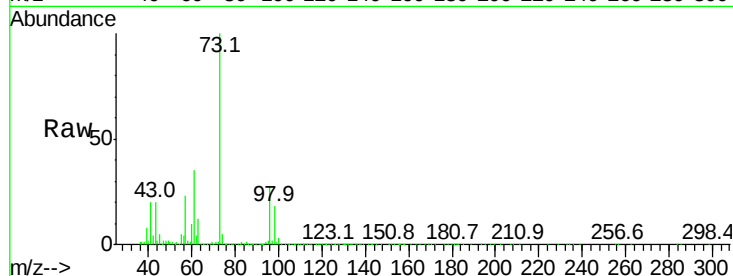
Tgt Ion: 73 Resp: 611224

Ion Ratio Lower Upper

73 100

43 18.4 15.8 23.8

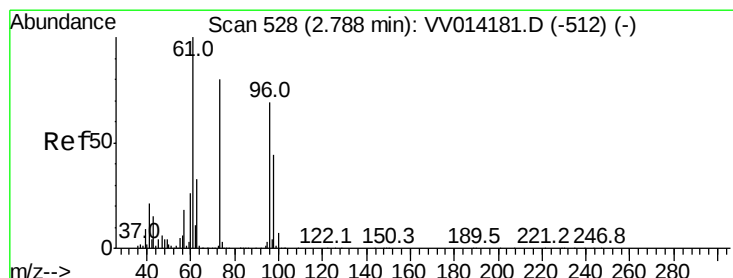
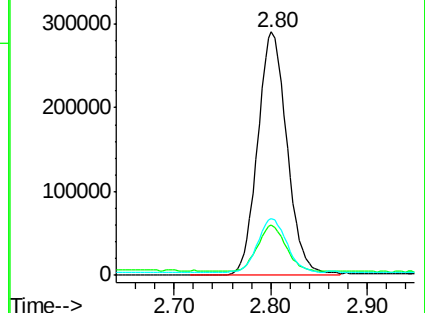
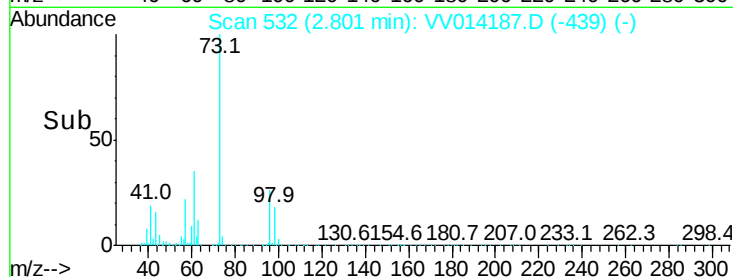
57 22.4 18.6 28.0



Abundance Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0



#18

trans-1,2-Dichloroethene

Concen: 4.860 ug/L

RT: 2.79 min Scan# 528

Delta R.T. -0.00 min

Lab File: VV014187.D

Acq: 27 Dec 2019 12:48

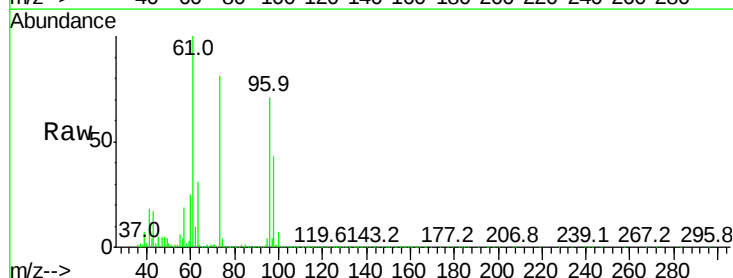
Tgt Ion: 96 Resp: 266030

Ion Ratio Lower Upper

96 100

61 141.7 100.7 187.1

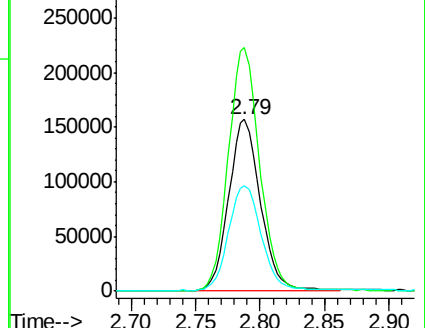
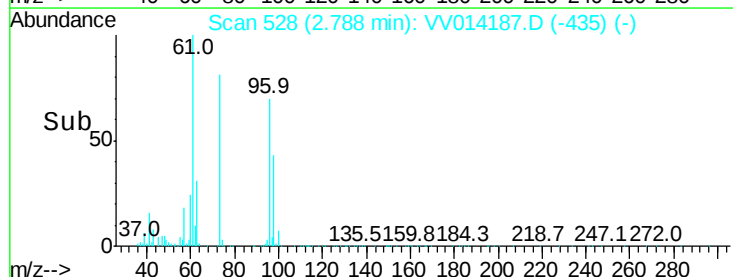
98 61.6 46.9 87.1

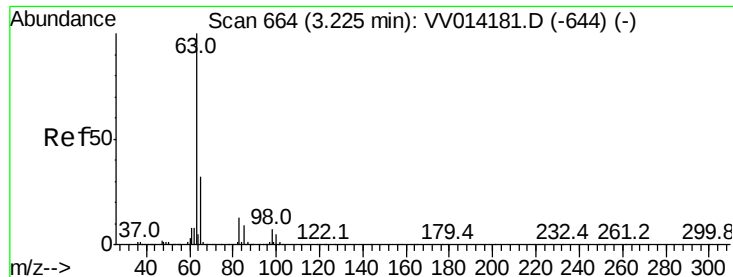


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0





#19

1,1-Dichloroethane

Concen: 4.824 ug/L

RT: 3.23 min Scan# 664

Delta R.T. -0.00 min

Lab File: VV014187.D

Acq: 27 Dec 2019 12:48

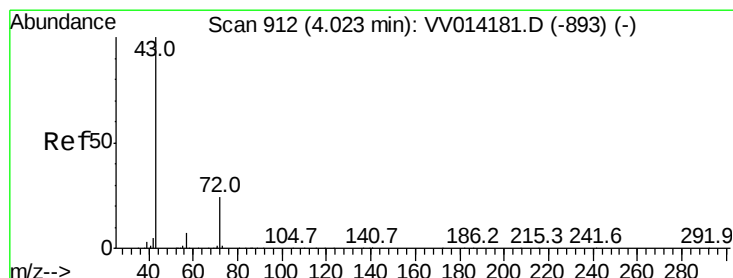
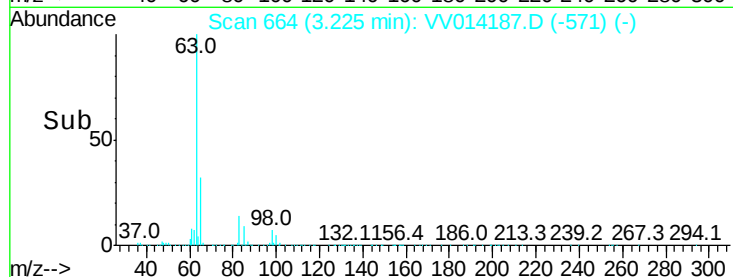
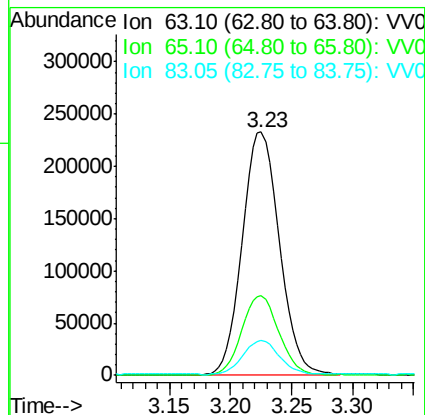
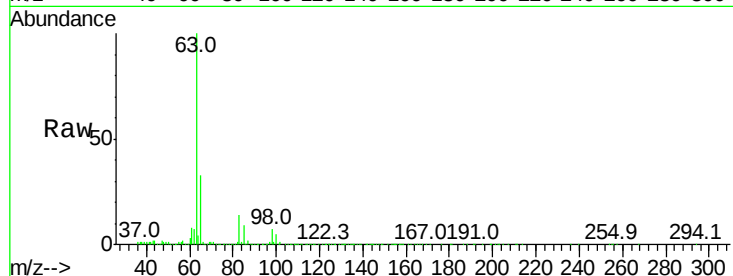
Instrument :

MSVOA_V

ClientSampleId :

VSTD00536

Tgt Ion:	63	Resp:	490077
Ion	Ratio	Lower	Upper
63	100		
65	32.5	22.3	41.5
83	14.3	9.7	17.9



#21

2-Butanone

Concen: 44.223 ug/L

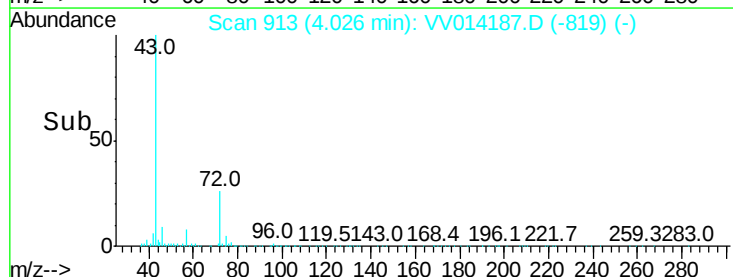
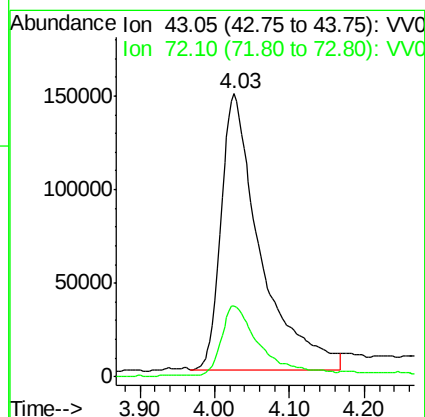
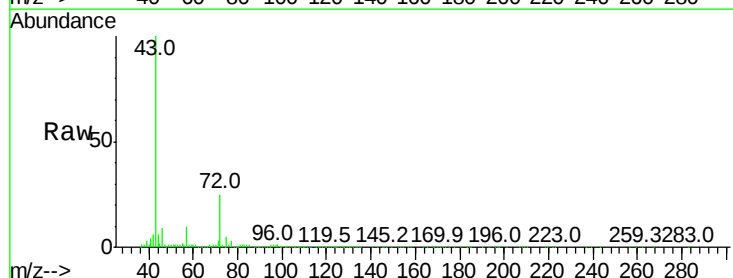
RT: 4.03 min Scan# 913

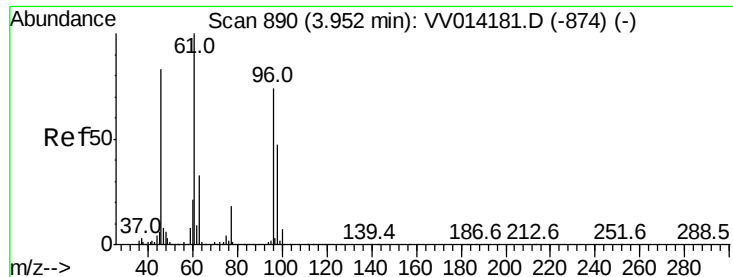
Delta R.T. 0.00 min

Lab File: VV014187.D

Acq: 27 Dec 2019 12:48

Tgt Ion:	43	Resp:	536097
Ion	Ratio	Lower	Upper
43	100		
72	24.8	12.4	37.0



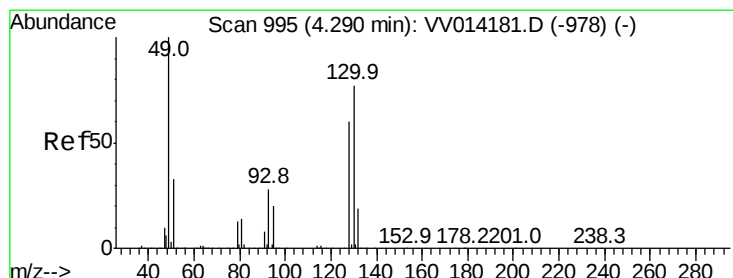
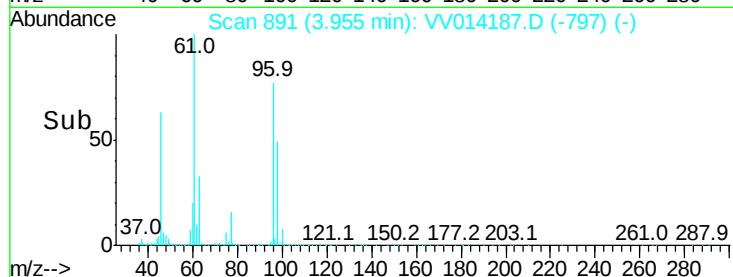
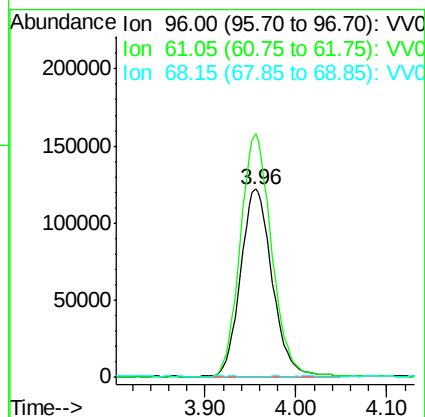
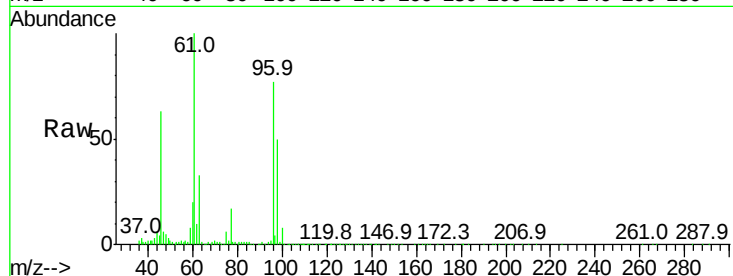


#22

cis-1,2-Dichloroethene
Concen: 5.191 ug/L
RT: 3.96 min Scan# 891
Delta R.T. 0.00 min
Lab File: VV014187.D
Acq: 27 Dec 2019 12:48

Instrument :
MSVOA_V
ClientSampleId :
VSTD00536

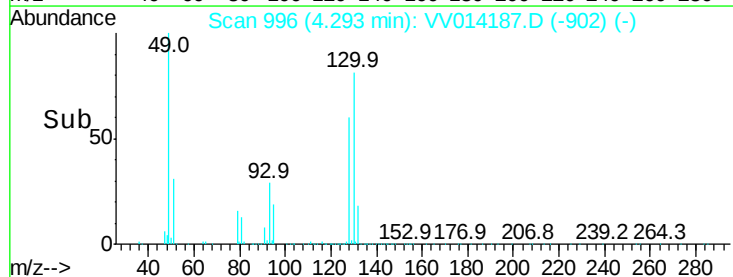
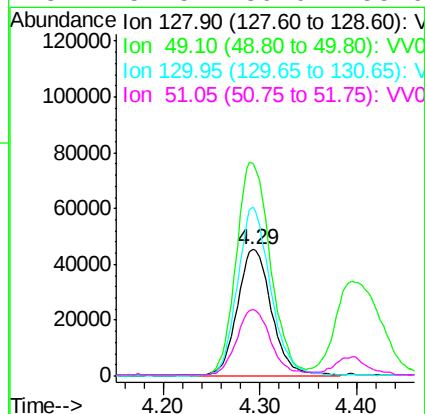
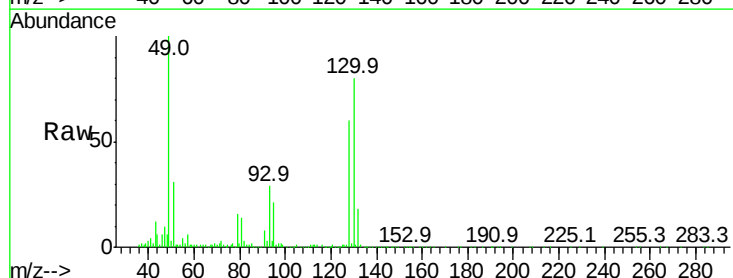
Tgt Ion: 96 Resp: 292610
Ion Ratio Lower Upper
96 100
61 129.5 91.2 169.4
68 0.5 0.1 0.3#

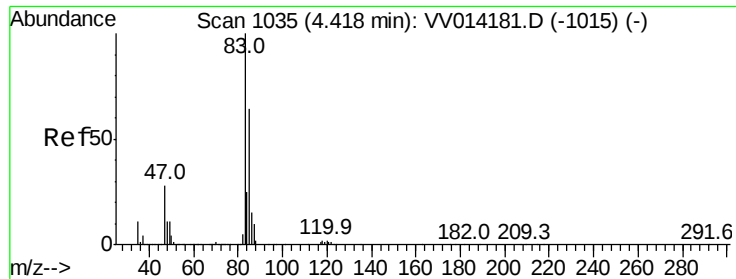


#23

Bromochloromethane
Concen: 4.265 ug/L
RT: 4.29 min Scan# 996
Delta R.T. 0.00 min
Lab File: VV014187.D
Acq: 27 Dec 2019 12:48

Tgt Ion: 128 Resp: 111070
Ion Ratio Lower Upper
128 100
49 167.8 109.3 202.9
130 133.8 87.2 161.9
51 52.5 39.0 58.6





#25

Chloroform

Concen: 4.908 ug/L

RT: 4.42 min Scan# 1035

Delta R.T. -0.00 min

Lab File: VV014187.D

Acq: 27 Dec 2019 12:48

Instrument :

MSVOA_V

ClientSampleId :

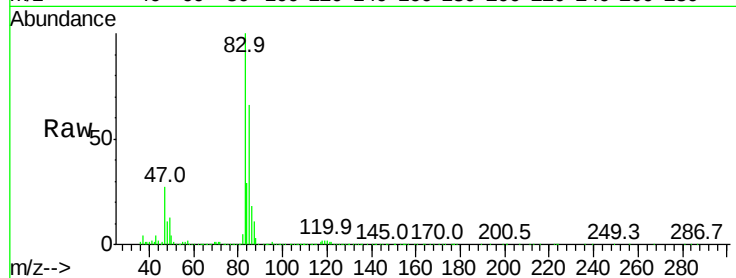
VSTD00536

Tgt Ion: 83 Resp: 511125

Ion Ratio Lower Upper

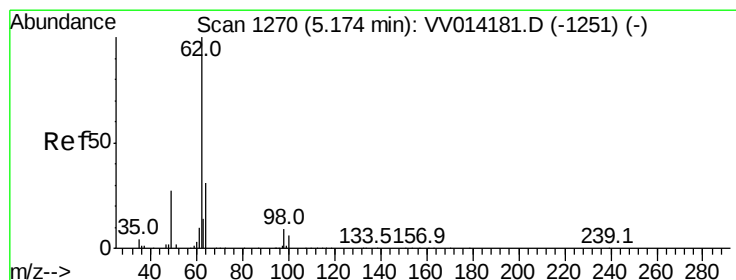
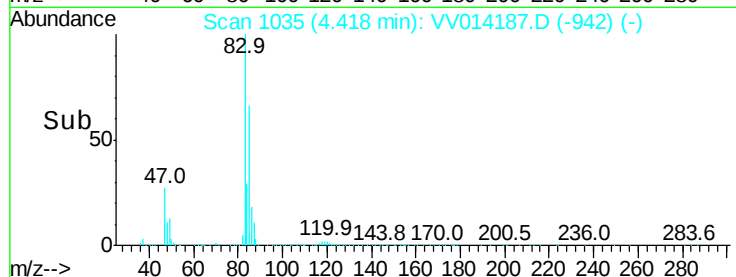
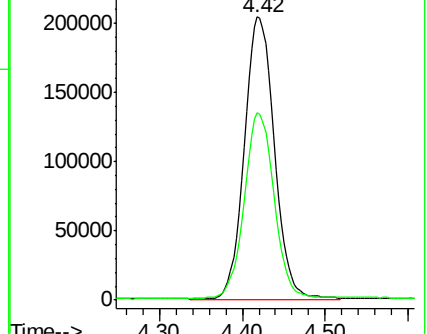
83 100

85 66.0 44.6 82.8



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0



#27

1,2-Dichloroethane

Concen: 4.699 ug/L

RT: 5.17 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VV014187.D

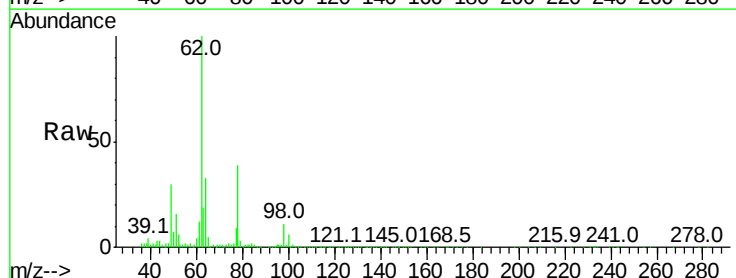
Acq: 27 Dec 2019 12:48

Tgt Ion: 62 Resp: 278525

Ion Ratio Lower Upper

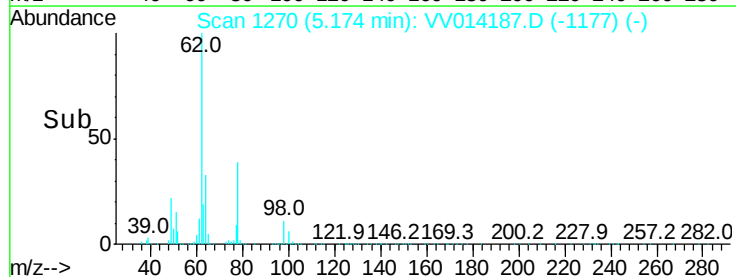
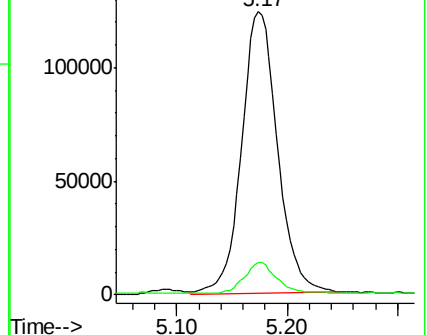
62 100

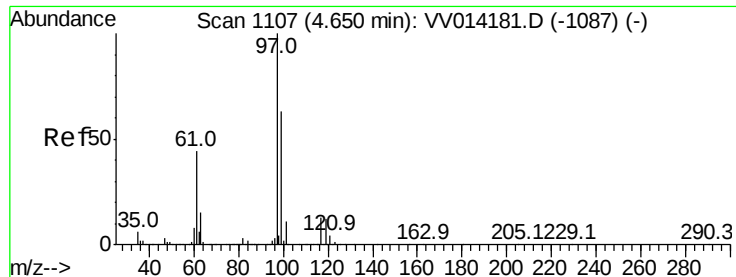
98 11.5 7.0 10.6#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.05 (97.75 to 98.75): VV0





#29

1,1,1-Trichloroethane

Concen: 5.062 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VV014187.D

Acq: 27 Dec 2019 12:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD00536

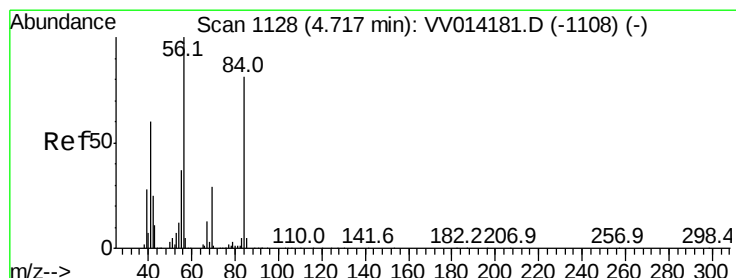
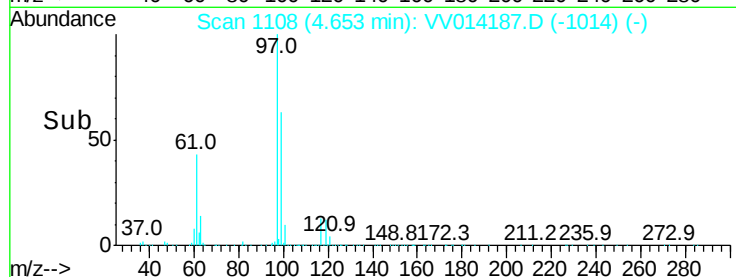
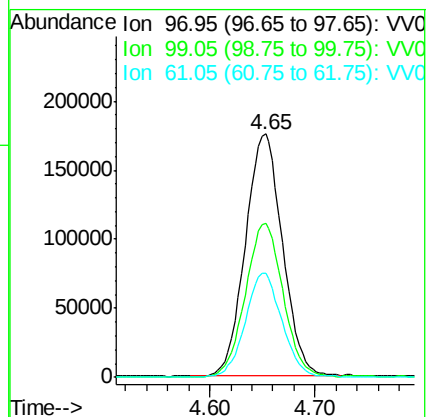
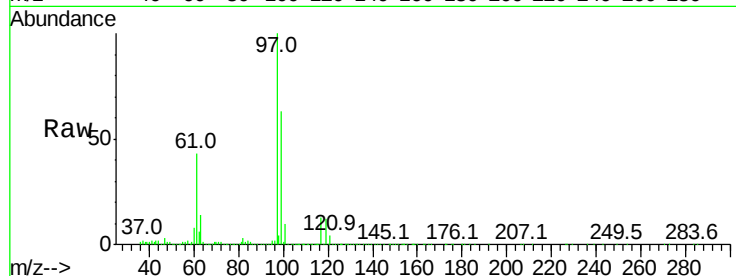
Tgt Ion: 97 Resp: 430354

Ion Ratio Lower Upper

97 100

99 63.9 51.6 77.4

61 42.4 34.5 51.7



#30

Cyclohexane

Concen: 5.758 ug/L

RT: 4.72 min Scan# 1129

Delta R.T. 0.00 min

Lab File: VV014187.D

Acq: 27 Dec 2019 12:48

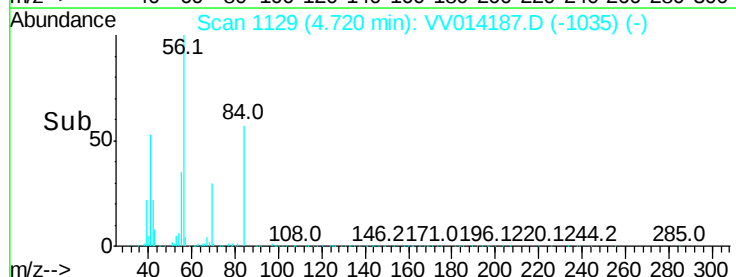
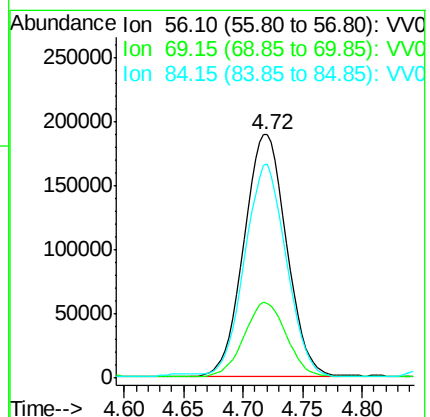
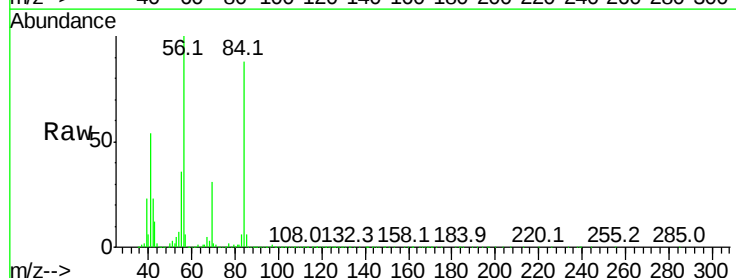
Tgt Ion: 56 Resp: 468352

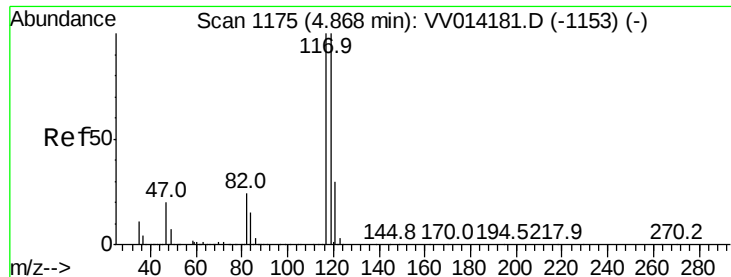
Ion Ratio Lower Upper

56 100

69 29.9 24.4 36.6

84 86.1 68.3 102.5





#31

Carbon tetrachloride

Concen: 4.860 ug/L

RT: 4.87 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VV014187.D

Acq: 27 Dec 2019 12:48

Instrument :

MSVOA_V

ClientSampleId :

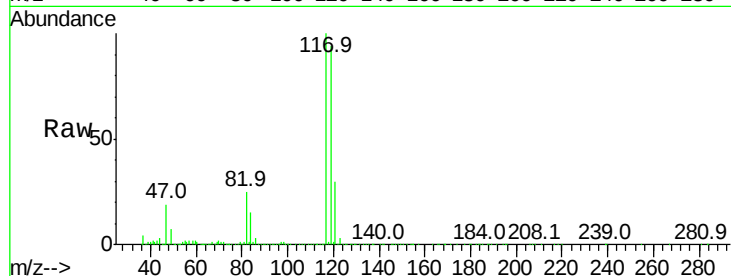
VSTD00536

Tgt Ion:117 Resp: 367739

Ion Ratio Lower Upper

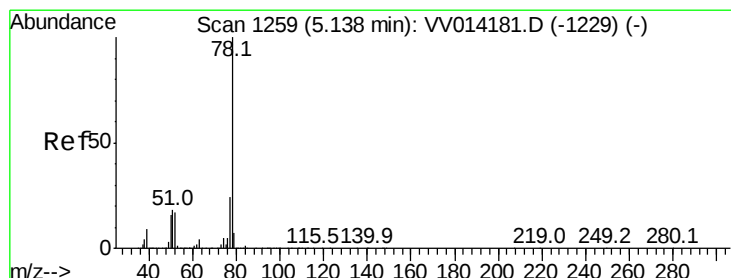
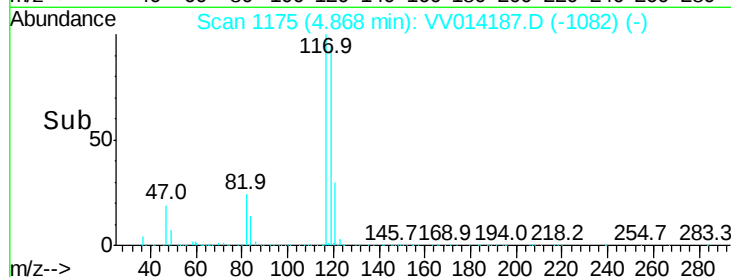
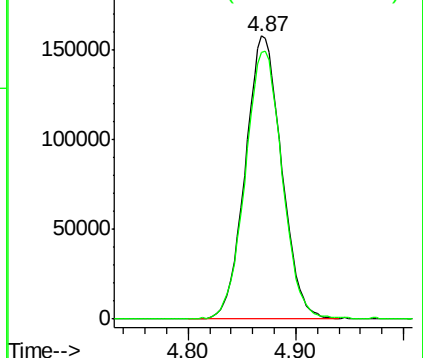
117 100

119 96.0 76.2 114.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.351 ug/L

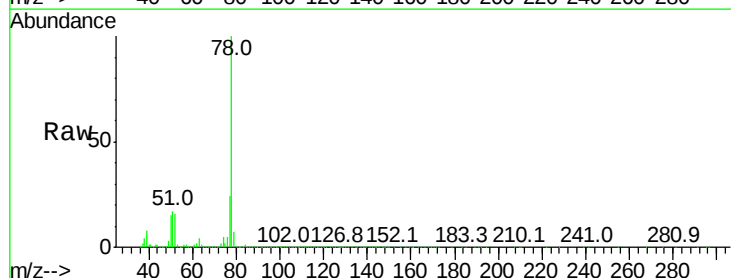
RT: 5.14 min Scan# 1260

Delta R.T. 0.00 min

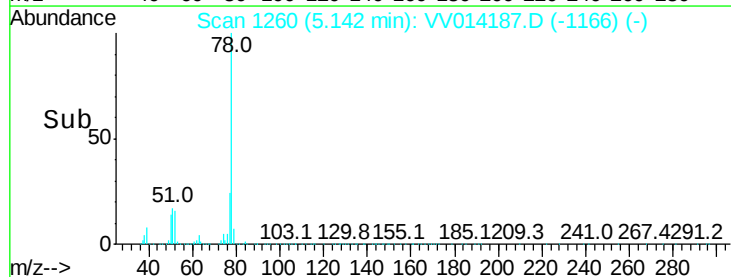
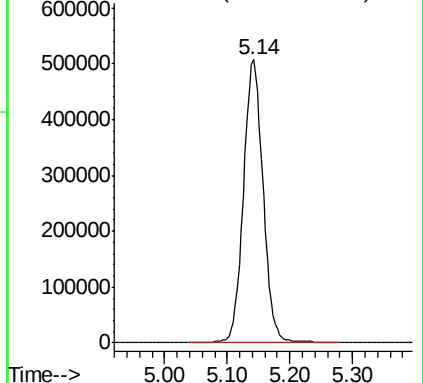
Lab File: VV014187.D

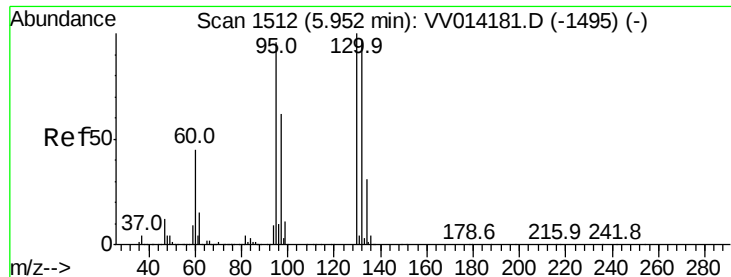
Acq: 27 Dec 2019 12:48

Tgt Ion: 78 Resp: 1103504



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 5.442 ug/L

RT: 5.95 min Scan# 1512

Delta R.T. -0.00 min

Lab File: VV014187.D

Acq: 27 Dec 2019 12:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD00536

Tgt Ion: 95 Resp: 295603

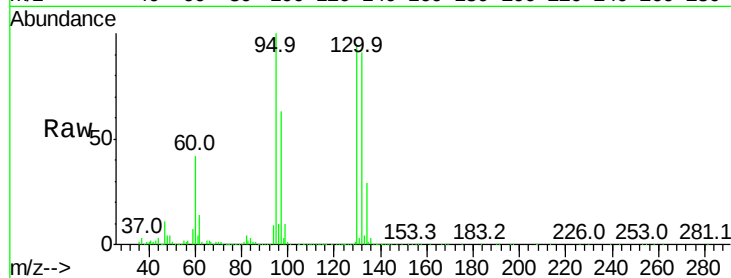
Ion Ratio Lower Upper

95 100

97 62.5 47.2 87.6

132 90.6 74.1 137.7

130 93.9 77.5 143.9

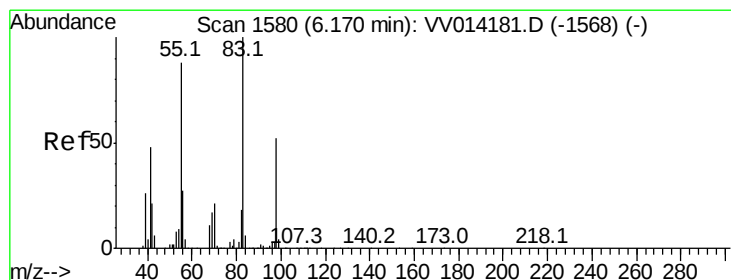
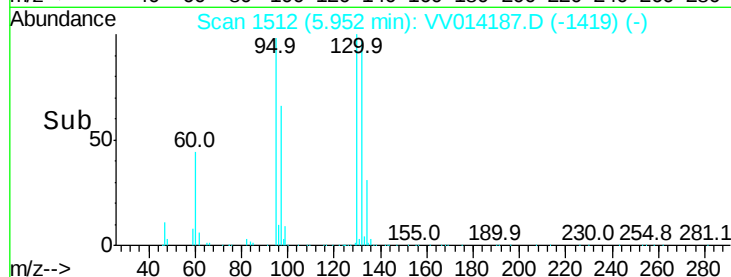
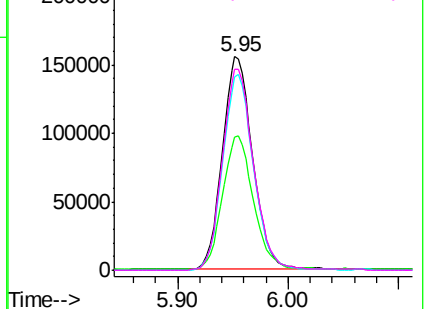


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 5.995 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. -0.00 min

Lab File: VV014187.D

Acq: 27 Dec 2019 12:48

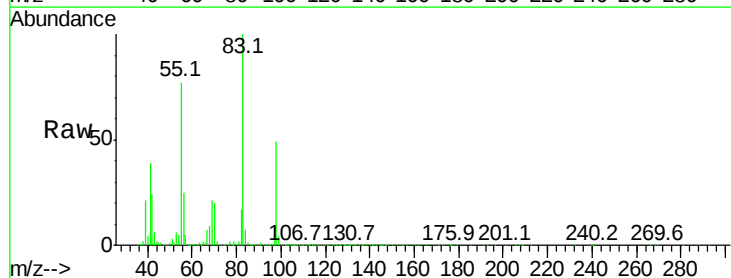
Tgt Ion: 83 Resp: 483350

Ion Ratio Lower Upper

83 100

55 77.1 65.3 97.9

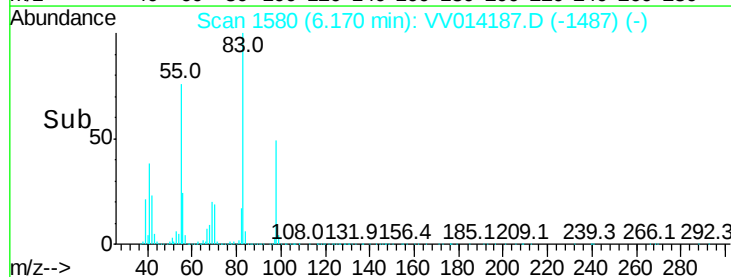
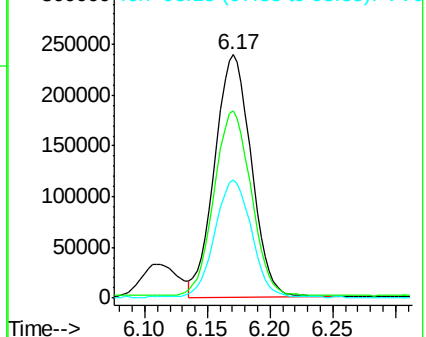
98 47.6 39.2 58.8

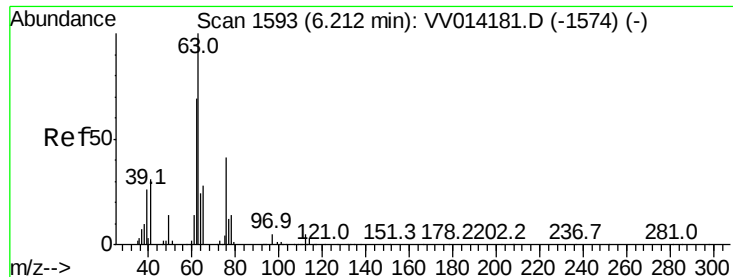


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 5.350 ug/L

RT: 6.22 min Scan# 1594

Delta R.T. 0.00 min

Lab File: VV014187.D

Acq: 27 Dec 2019 12:48

Instrument :

MSVOA_V

ClientSampleId :

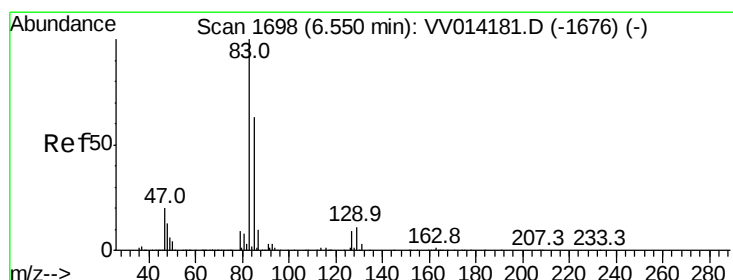
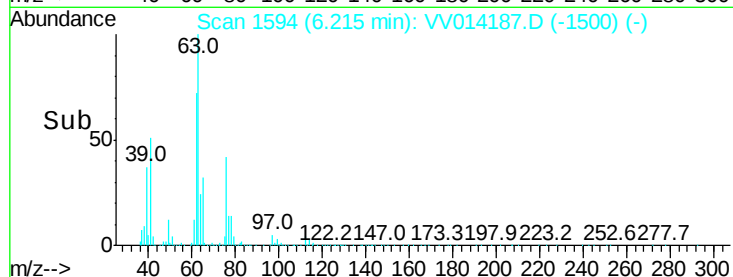
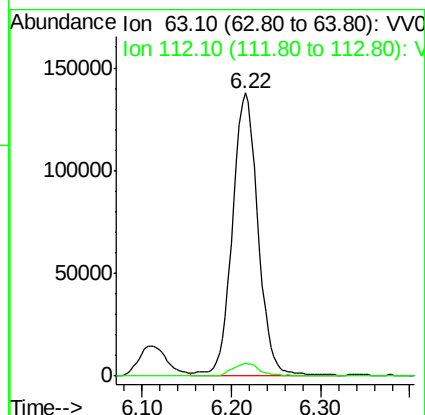
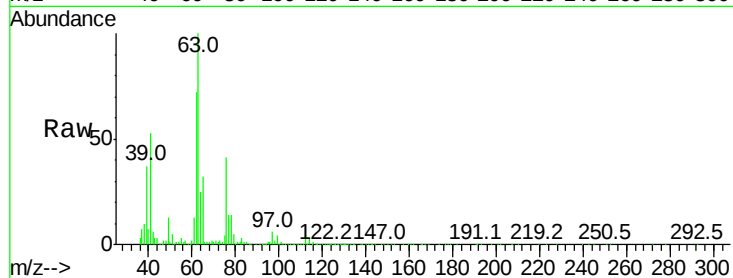
VSTD00536

Tgt Ion: 63 Resp: 272244

Ion Ratio Lower Upper

63 100

112 4.6 4.0 6.0



#38

Bromodichloromethane

Concen: 5.353 ug/L

RT: 6.55 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VV014187.D

Acq: 27 Dec 2019 12:48

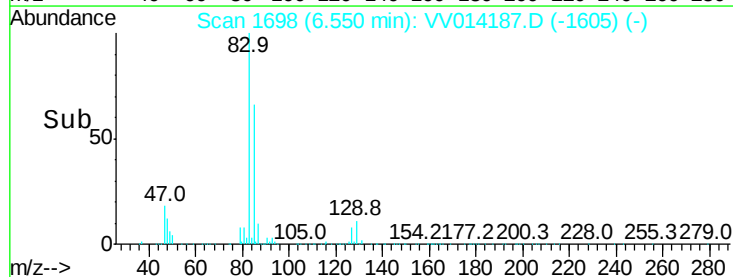
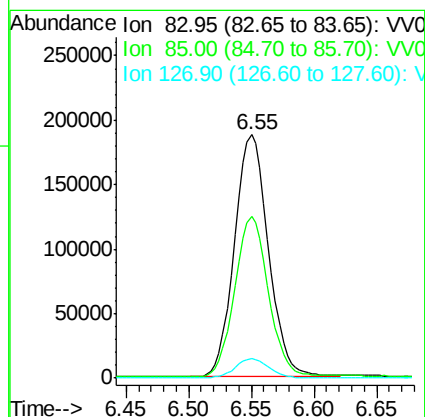
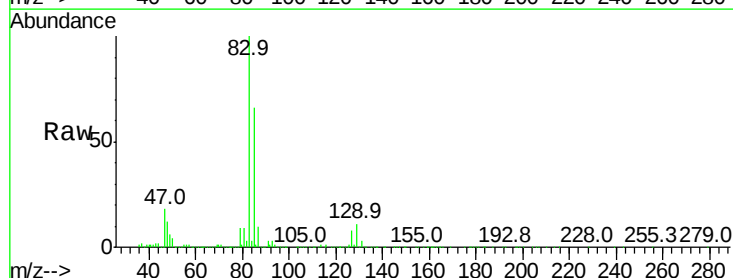
Tgt Ion: 83 Resp: 354330

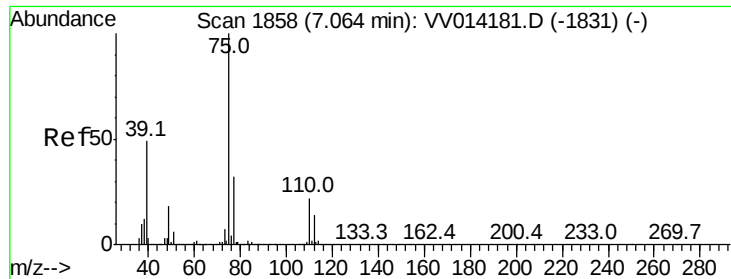
Ion Ratio Lower Upper

83 100

85 66.3 44.5 82.7

127 7.9 7.2 10.8

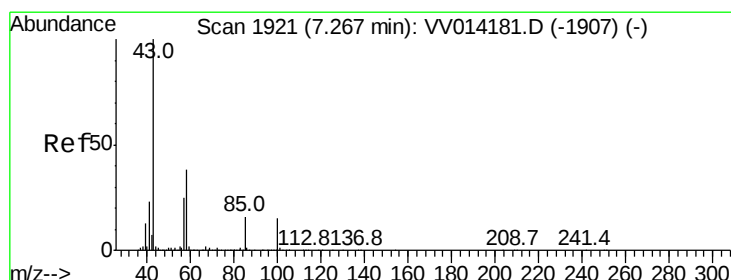
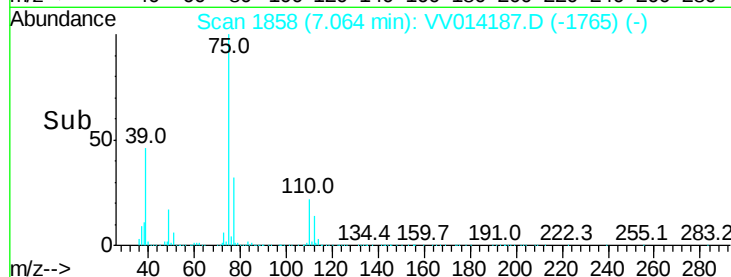
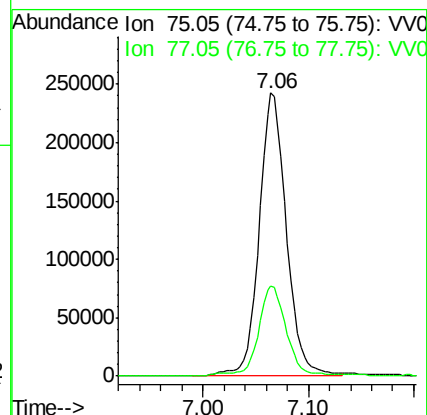
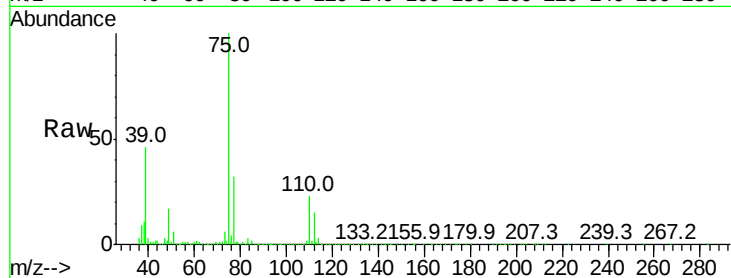




#39
 cis-1,3-Dichloropropene
 Concen: 6.086 ug/L
 RT: 7.06 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VV014187.D
 Acq: 27 Dec 2019 12:48

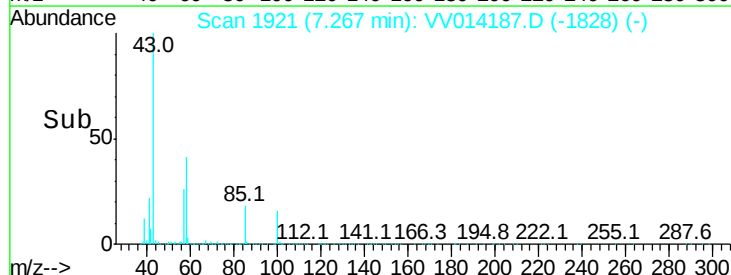
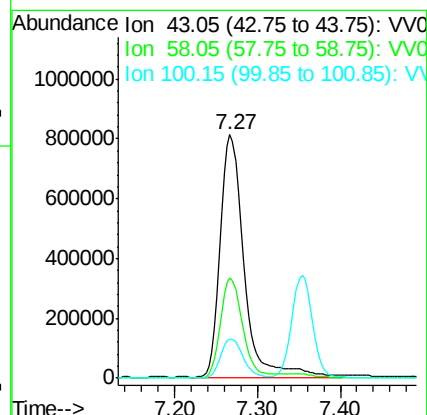
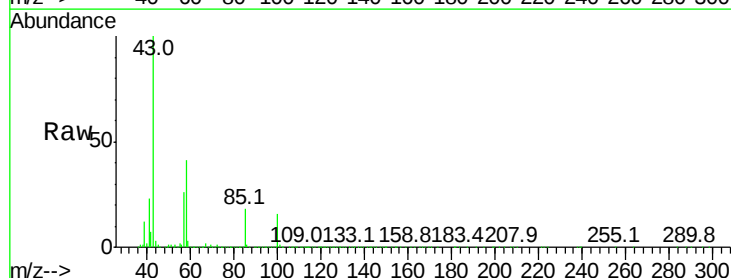
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00536

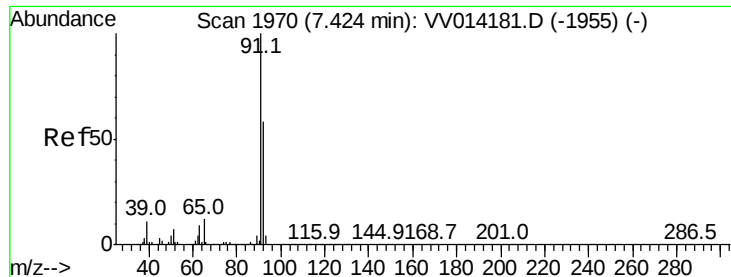
Tgt Ion: 75 Resp: 436296
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.6 42.0



#40
 4-Methyl-2-pentanone
 Concen: 58.376 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VV014187.D
 Acq: 27 Dec 2019 12:48

Tgt Ion: 43 Resp: 1618398
 Ion Ratio Lower Upper
 43 100
 58 39.4 30.8 46.2
 100 15.2 12.3 18.5





#42

Toluene

Concen: 5.468 ug/L

RT: 7.42 min Scan# 1970

Delta R.T. -0.00 min

Lab File: VV014187.D

Acq: 27 Dec 2019 12:48

Instrument :

MSVOA_V

ClientSampleId :

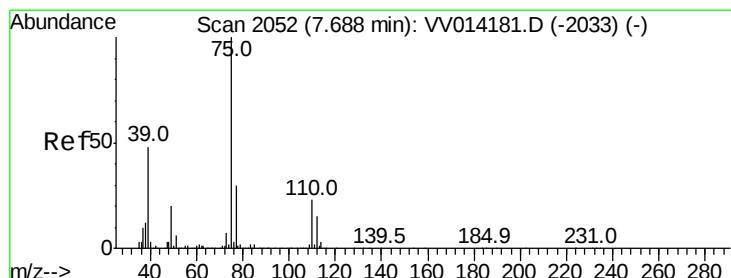
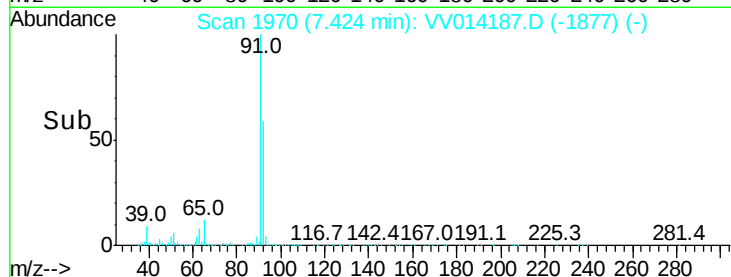
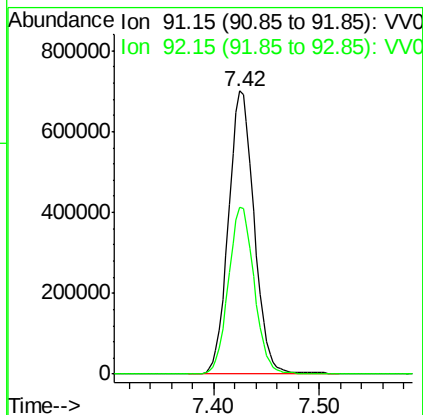
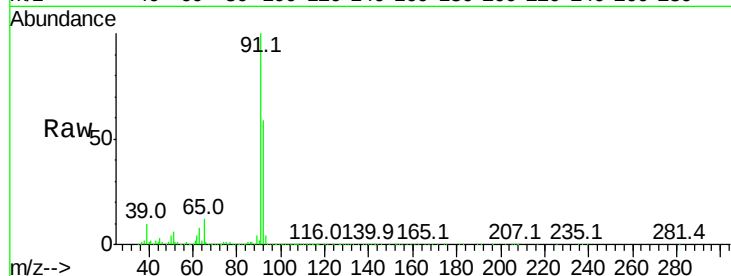
VSTD00536

Tgt Ion: 91 Resp: 1179497

Ion Ratio Lower Upper

91 100

92 58.9 41.2 76.6



#44

trans-1,3-Dichloropropene

Concen: 5.950 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. -0.00 min

Lab File: VV014187.D

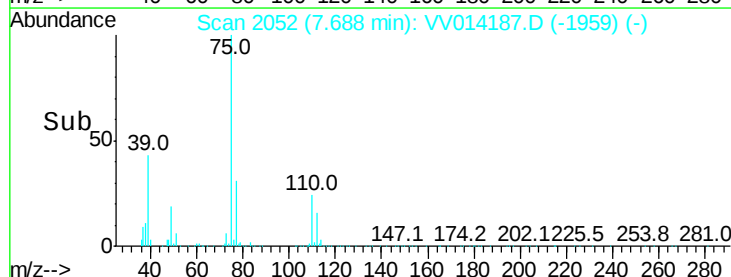
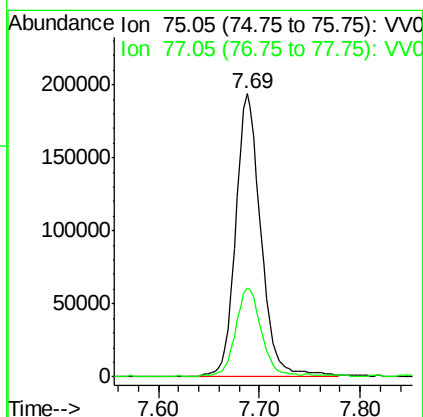
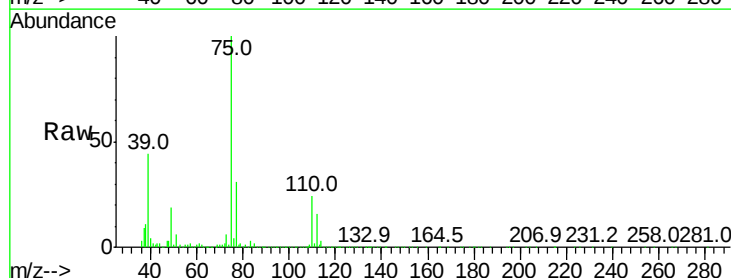
Acq: 27 Dec 2019 12:48

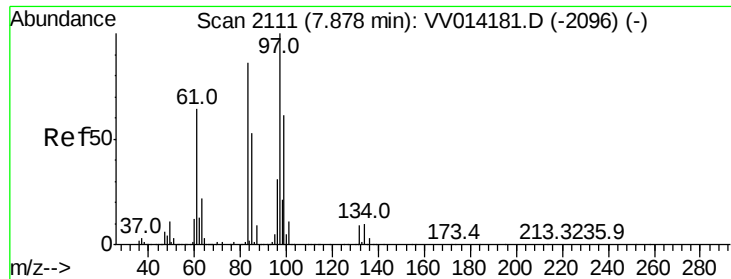
Tgt Ion: 75 Resp: 335364

Ion Ratio Lower Upper

75 100

77 31.5 22.8 42.4





#45

1,1,2-Trichloroethane

Concen: 5.080 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VV014187.D

Acq: 27 Dec 2019 12:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD00536

Tgt Ion: 97 Resp: 179579

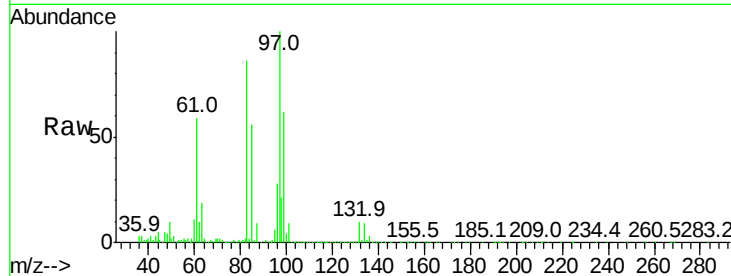
Ion Ratio Lower Upper

97 100

99 62.4 45.8 85.2

83 85.7 59.5 110.5

85 56.0 38.1 70.9

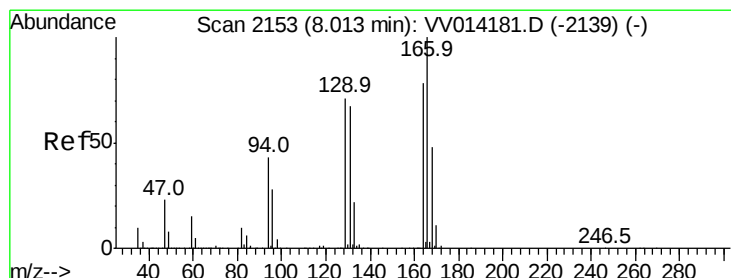
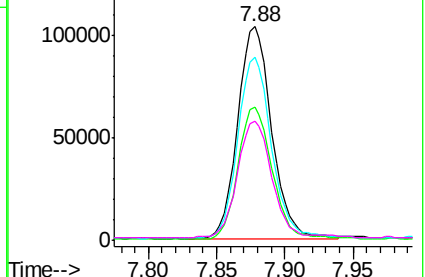
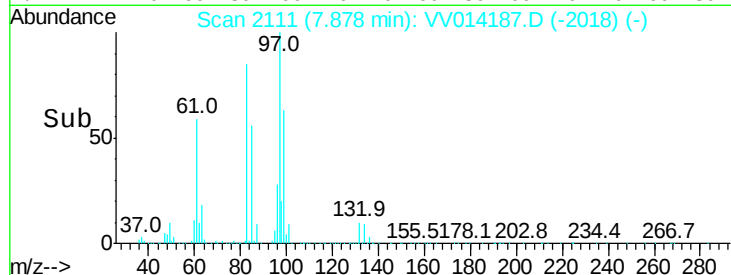


Abundance Ion 96.95 (96.65 to 97.65): VV0

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: 4.180 ug/L

RT: 8.01 min Scan# 2153

Delta R.T. -0.00 min

Lab File: VV014187.D

Acq: 27 Dec 2019 12:48

Tgt Ion: 164 Resp: 204688

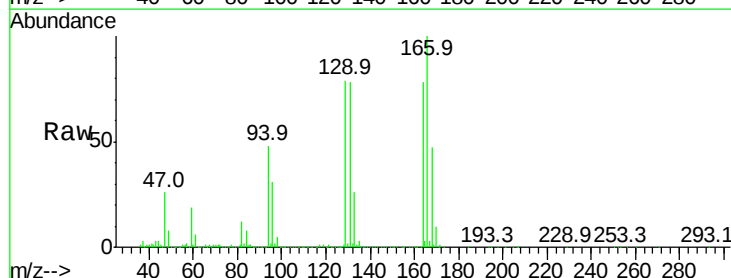
Ion Ratio Lower Upper

164 100

129 102.5 60.1 111.5

131 100.6 57.3 106.5

166 129.0 90.7 168.5

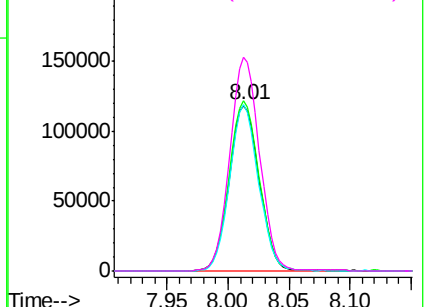
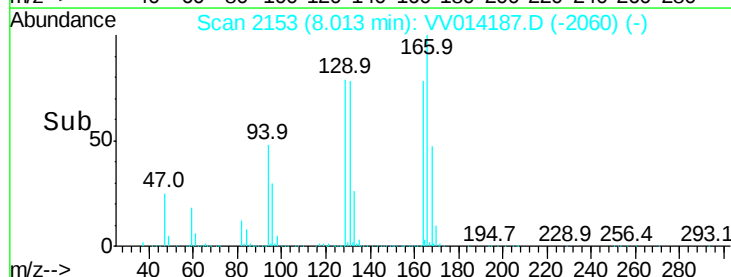


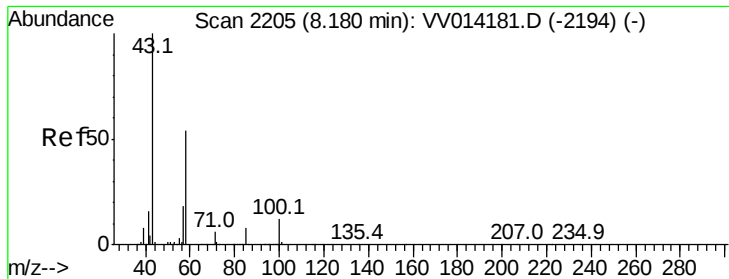
Abundance Ion 163.90 (163.60 to 164.60): V

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



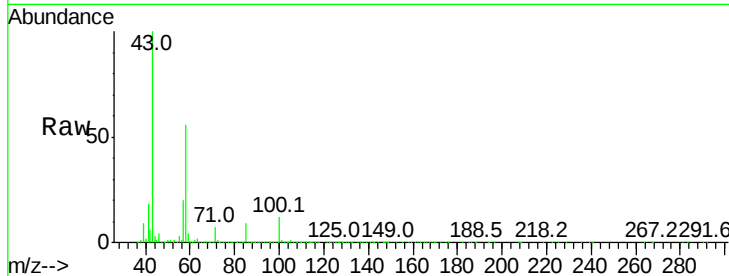


#48
2-Hexanone
Concen: 56.790 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. -0.00 min
Lab File: VV014187.D
Acq: 27 Dec 2019 12:48

Instrument :
MSVOA_V
ClientSampleId :
VSTD00536

Tgt Ion: 43 Resp: 1150211

Ion	Ratio	Lower	Upper
43	100		
58	56.7	43.2	64.8
57	19.8	14.8	22.2
100	12.8	9.7	14.5

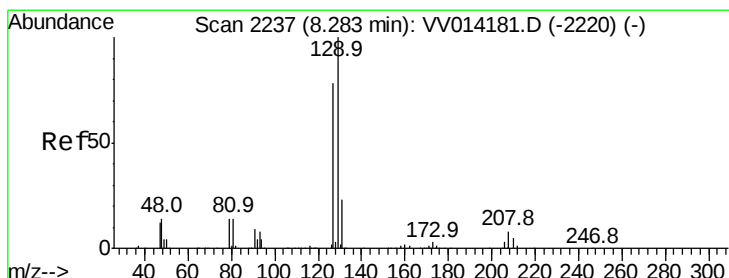
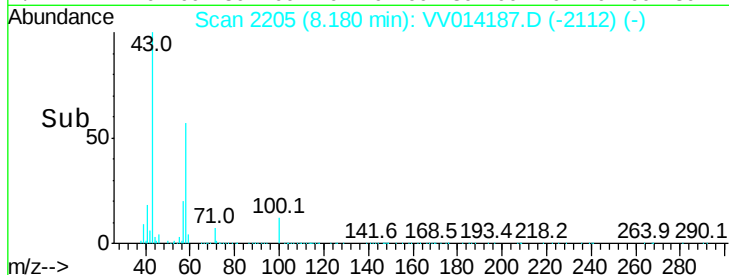
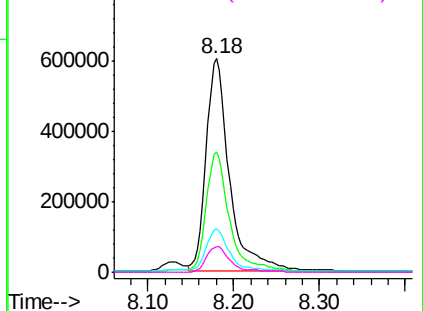


Abundance Ion 43.05 (42.75 to 43.75): VV014187.D (-2112) (-)

Ion 58.05 (57.75 to 58.75): VV014187.D (-2112) (-)

Ion 57.20 (56.90 to 57.90): VV014187.D (-2112) (-)

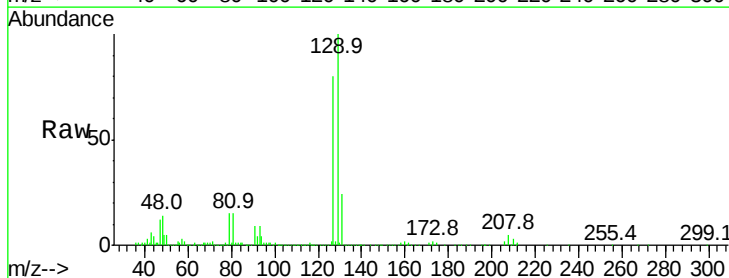
Ion 100.15 (99.85 to 100.85): VV014187.D (-2112) (-)



#49
Dibromochloromethane
Concen: 5.064 ug/L
RT: 8.28 min Scan# 2237
Delta R.T. -0.00 min
Lab File: VV014187.D
Acq: 27 Dec 2019 12:48

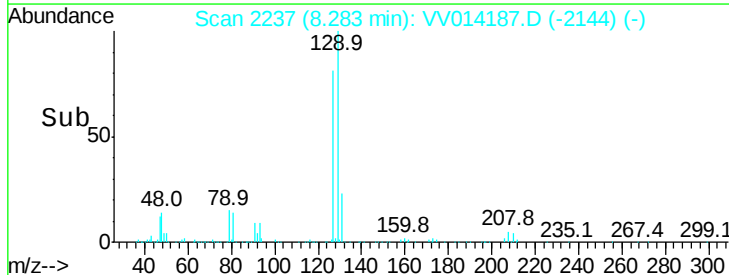
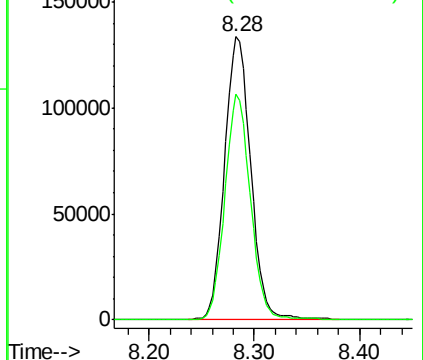
Tgt Ion: 129 Resp: 226717

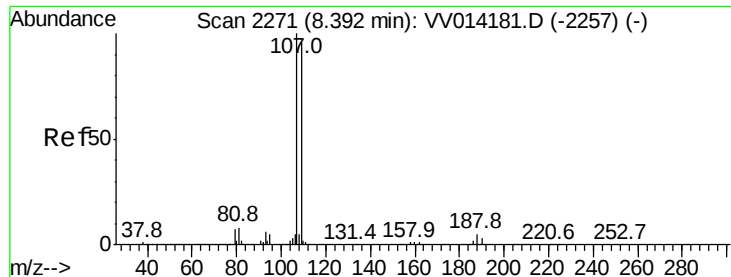
Ion	Ratio	Lower	Upper
129	100		
127	79.6	52.6	97.6



Abundance Ion 128.95 (128.65 to 129.65): VV014187.D (-2144) (-)

Ion 126.90 (126.60 to 127.60): VV014187.D (-2144) (-)

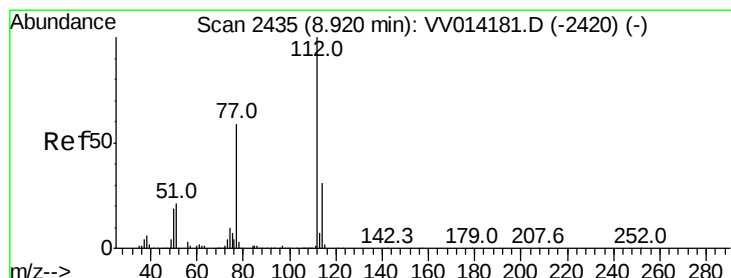
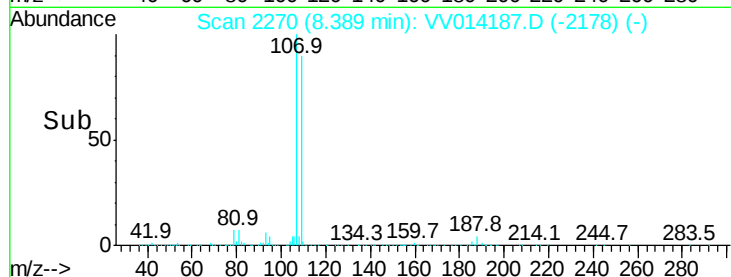
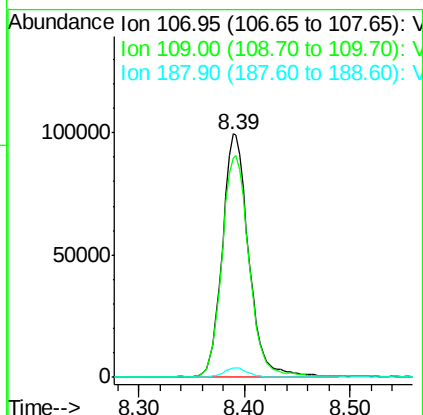
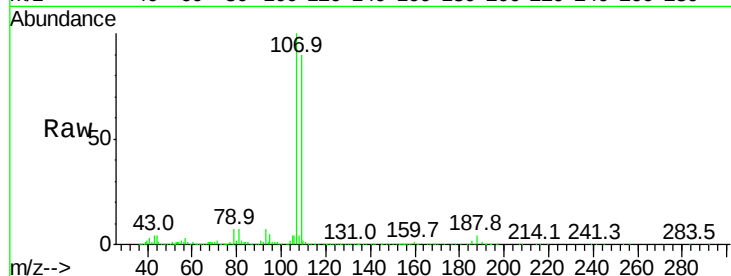




#50
 1,2-Dibromoethane
 Concen: 5.276 ug/L
 RT: 8.39 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VV014187.D
 Acq: 27 Dec 2019 12:48

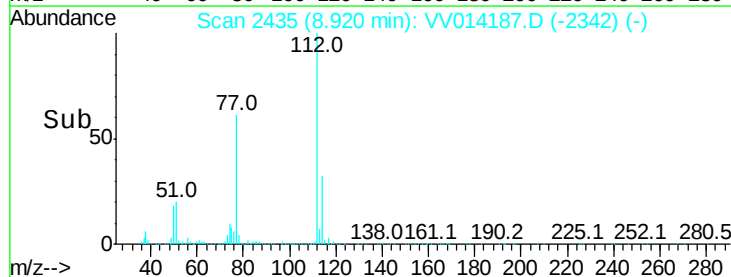
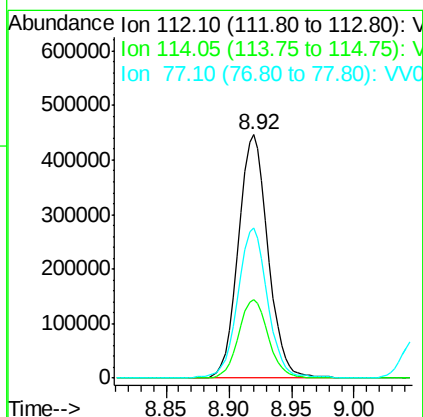
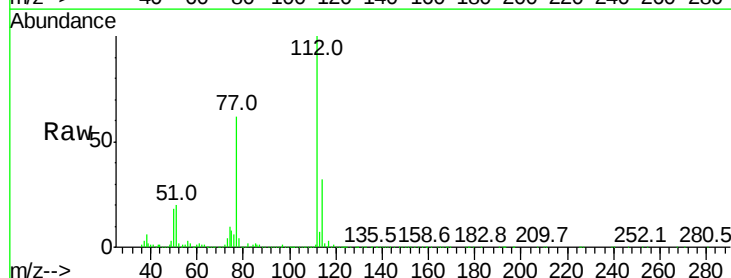
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00536

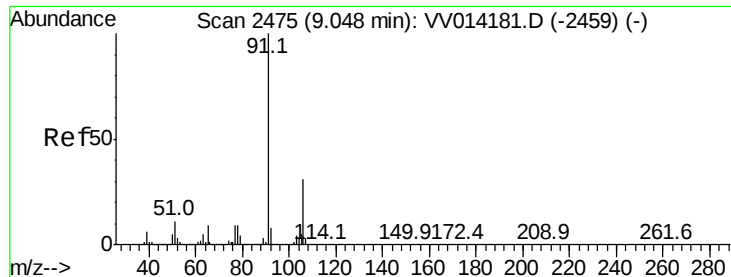
Tgt Ion	Ratio	Lower	Upper
107	100		
109	90.0	68.1	126.5
188	3.7	3.2	4.8



#51
 Chlorobenzene
 Concen: 5.204 ug/L
 RT: 8.92 min Scan# 2435
 Delta R.T. -0.00 min
 Lab File: VV014187.D
 Acq: 27 Dec 2019 12:48

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.1	22.3	41.5
77	61.6	45.1	67.7





#52

Ethylbenzene

Concen: 5.908 ug/L

RT: 9.05 min Scan# 2475

Delta R.T. -0.00 min

Lab File: VV014187.D

Acq: 27 Dec 2019 12:48

Instrument :

MSVOA_V

ClientSampleId :

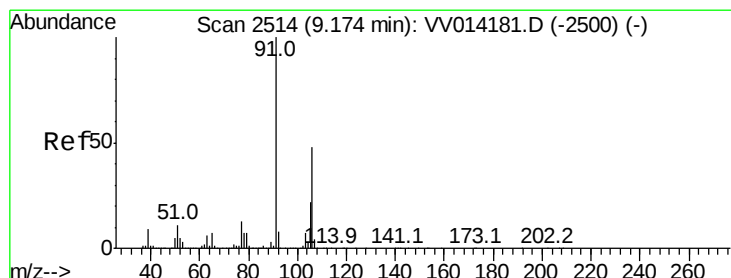
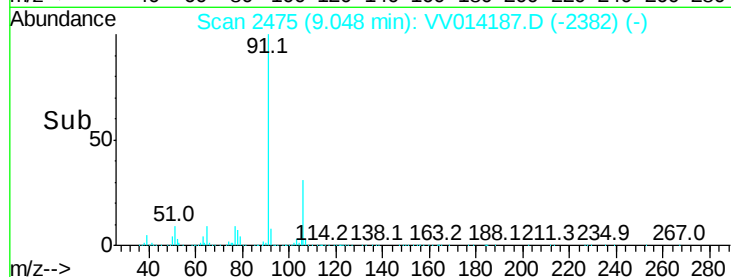
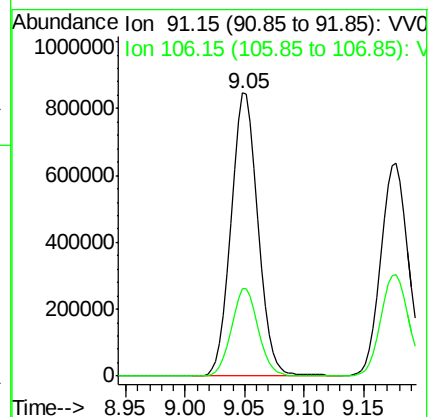
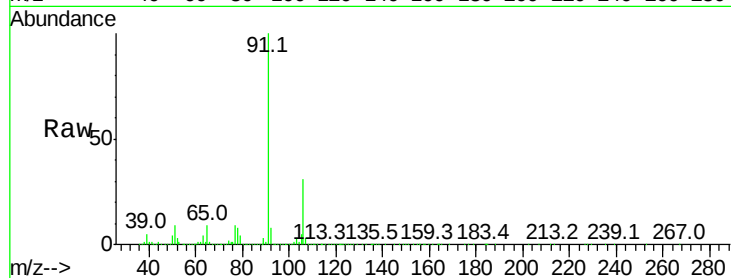
VSTD00536

Tgt Ion: 91 Resp: 1327591

Ion Ratio Lower Upper

91 100

106 30.8 22.0 41.0



#53

m,p-xylene

Concen: 5.733 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV014187.D

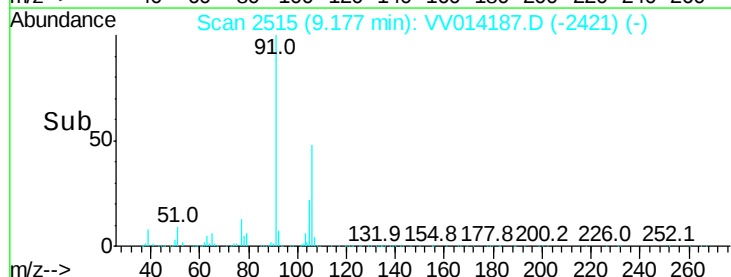
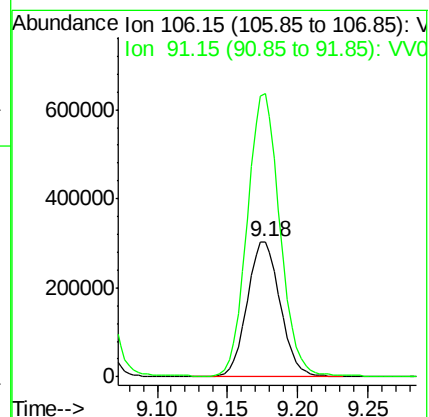
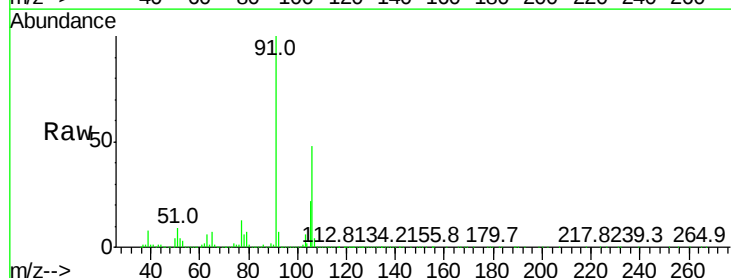
Acq: 27 Dec 2019 12:48

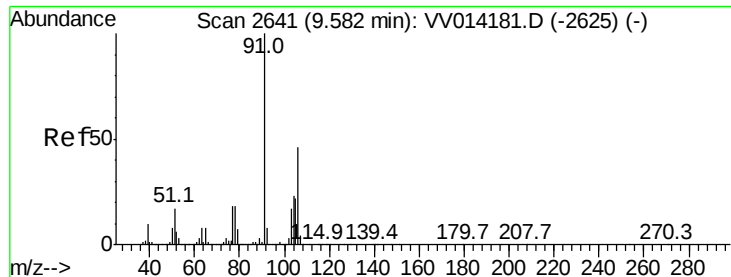
Tgt Ion: 106 Resp: 497838

Ion Ratio Lower Upper

106 100

91 209.7 141.1 262.1





#54

o-xylene

Concen: 6.037 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV014187.D

Acq: 27 Dec 2019 12:48

Instrument :

MSVOA_V

ClientSampleId :

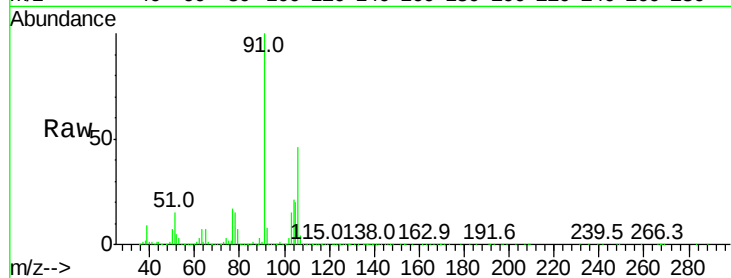
VSTD00536

Tgt Ion:106 Resp: 492962

Ion Ratio Lower Upper

106 100

91 215.6 149.0 276.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0

800000

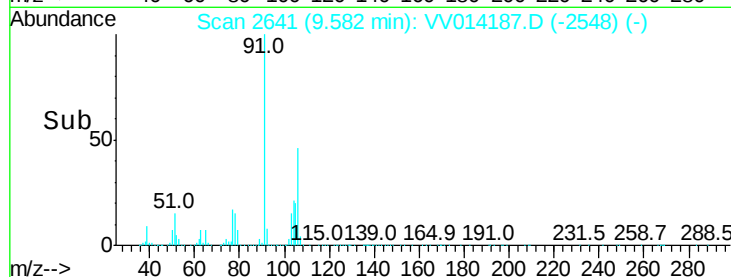
600000

400000

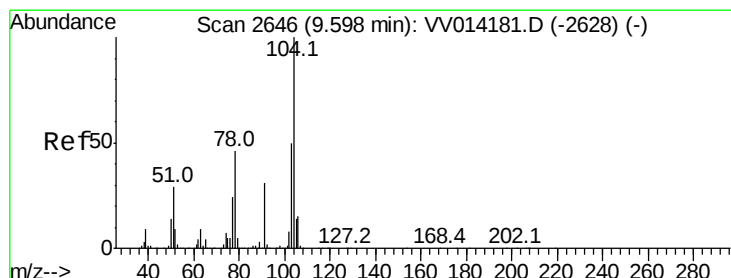
200000

0

9.50 9.55 9.60 9.65



Time-->



#55

Styrene

Concen: 5.817 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. -0.00 min

Lab File: VV014187.D

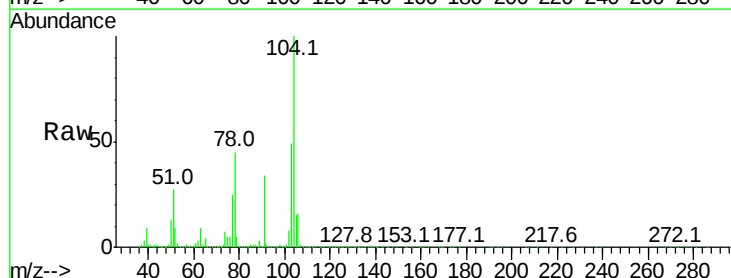
Acq: 27 Dec 2019 12:48

Tgt Ion:104 Resp: 819993

Ion Ratio Lower Upper

104 100

78 45.3 30.5 56.7



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0

600000

500000

400000

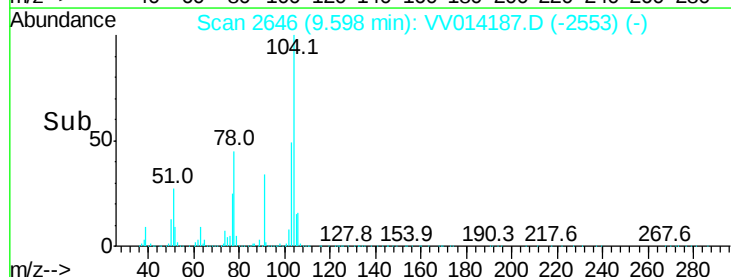
300000

200000

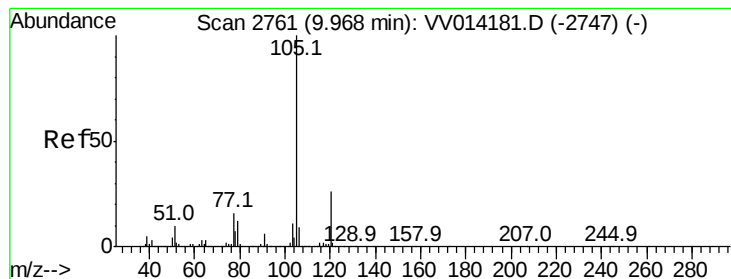
100000

0

9.50 9.60 9.70



Time-->



#56

Isopropylbenzene

Concen: 5.949 ug/L

RT: 9.97 min Scan# 2761

Delta R.T. -0.00 min

Lab File: VV014187.D

Acq: 27 Dec 2019 12:48

Instrument :

MSVOA_V

ClientSampled :

VSTD00536

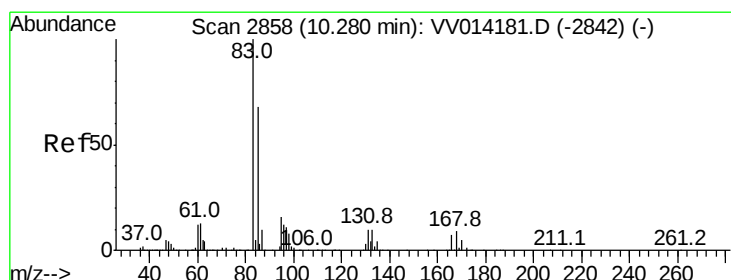
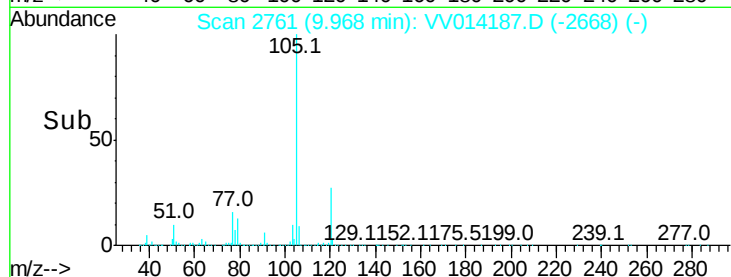
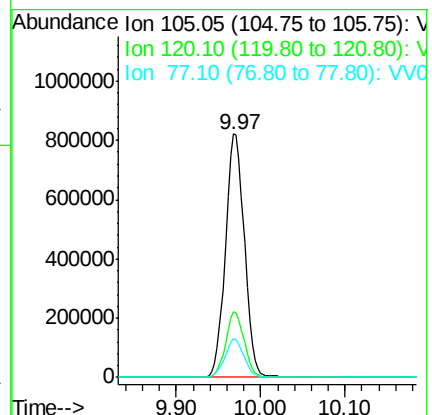
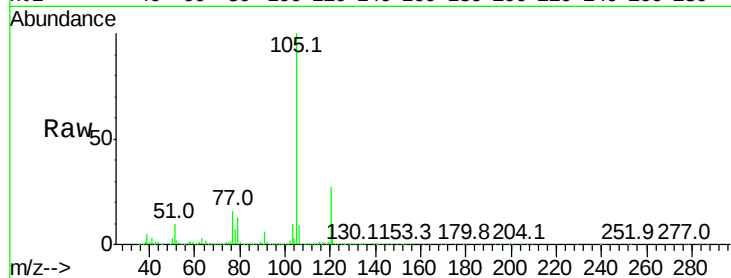
Tgt Ion:105 Resp: 1284110

Ion Ratio Lower Upper

105 100

120 26.2 21.1 31.7

77 15.6 12.4 18.6



#58

1,1,2,2-Tetrachloroethane

Concen: 5.077 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. -0.00 min

Lab File: VV014187.D

Acq: 27 Dec 2019 12:48

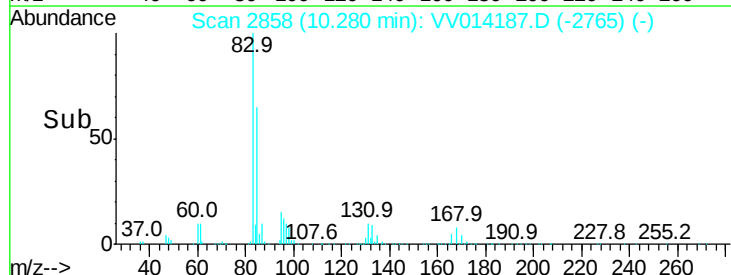
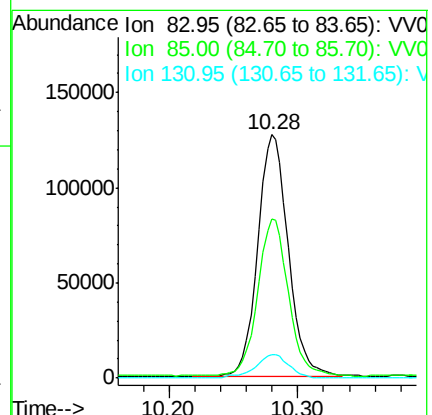
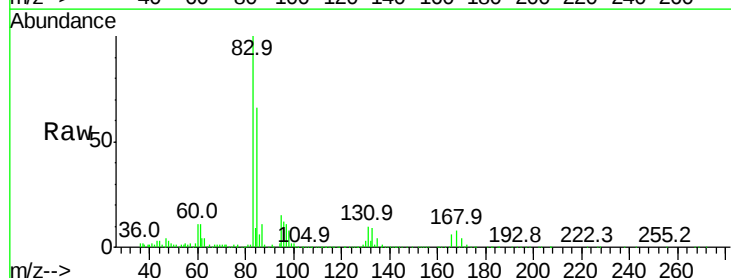
Tgt Ion: 83 Resp: 210227

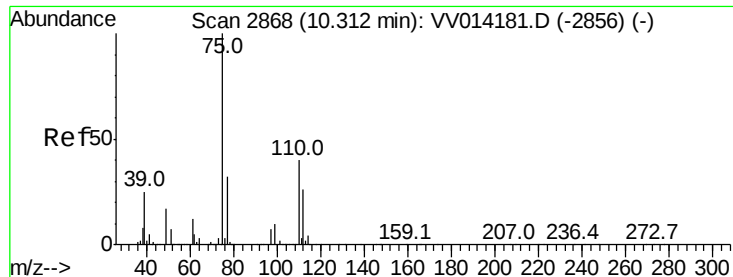
Ion Ratio Lower Upper

83 100

85 65.6 46.3 86.1

131 9.8 8.9 13.3





#59

1,2,3-Trichloropropane

Concen: 5.119 ug/L

RT: 10.31 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV014187.D

Acq: 27 Dec 2019 12:48

Instrument :

MSVOA_V

ClientSampleId :

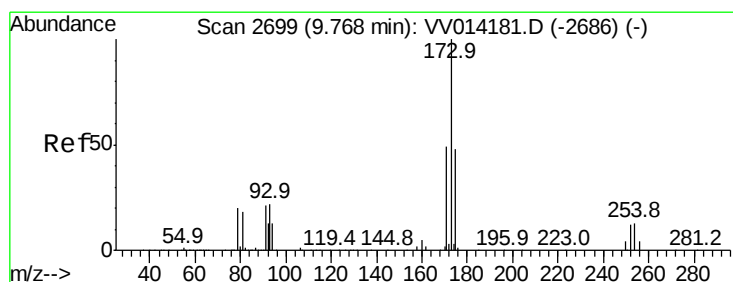
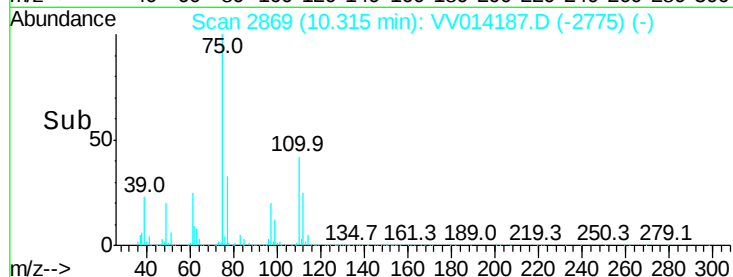
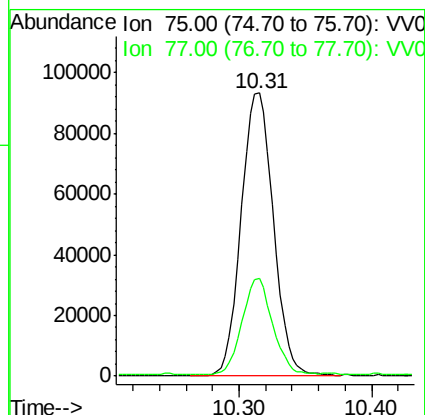
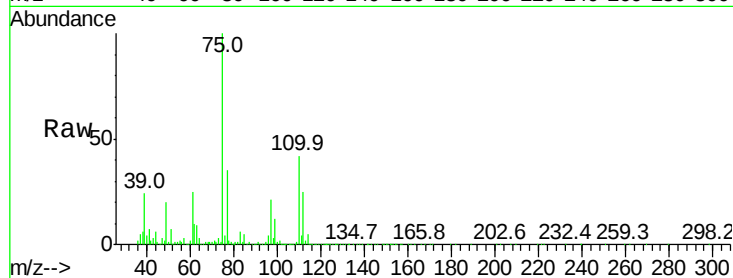
VSTD00536

Tgt Ion: 75 Resp: 157169

Ion Ratio Lower Upper

75 100

77 32.1 25.9 38.9



#61

Bromoform

Concen: 5.061 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV014187.D

Acq: 27 Dec 2019 12:48

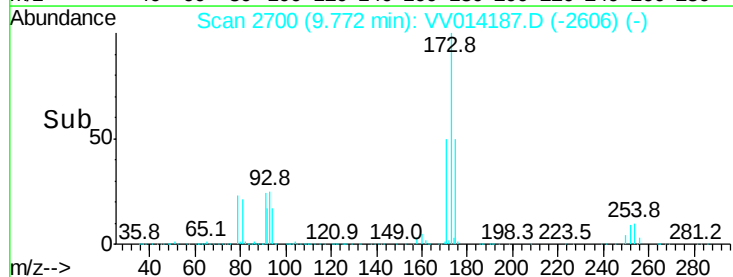
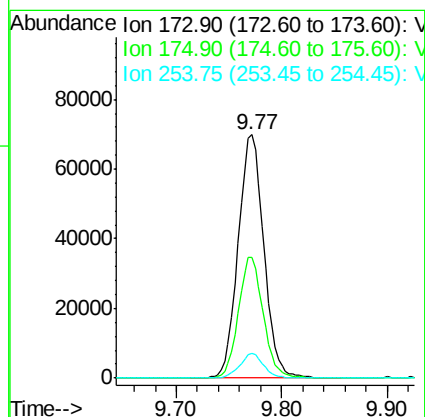
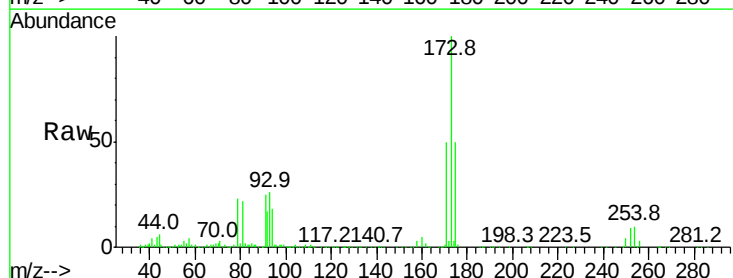
Tgt Ion: 173 Resp: 117927

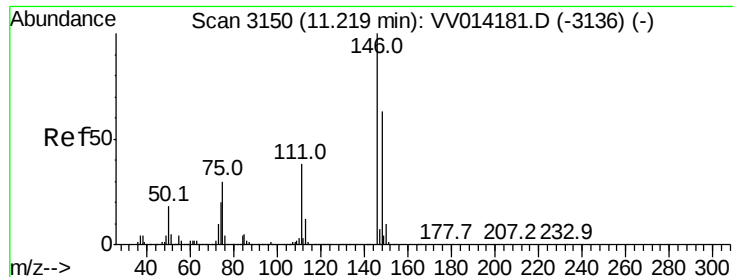
Ion Ratio Lower Upper

173 100

175 47.4 39.3 58.9

254 9.5 10.3 15.5#





#62

1,3-Dichlorobenzene

Concen: 5.479 ug/L

RT: 11.22 min Scan# 3150

Delta R.T. -0.00 min

Lab File: VV014187.D

Acq: 27 Dec 2019 12:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD00536

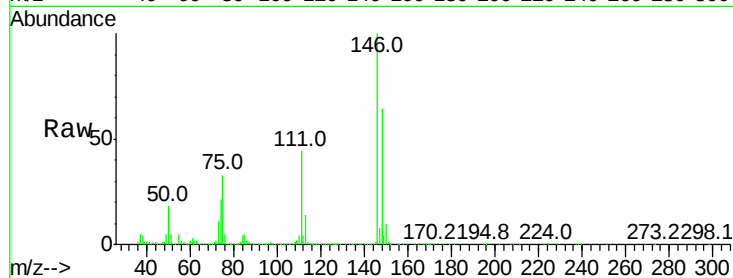
Tgt Ion:146 Resp: 540573

Ion Ratio Lower Upper

146 100

111 43.9 26.5 49.1

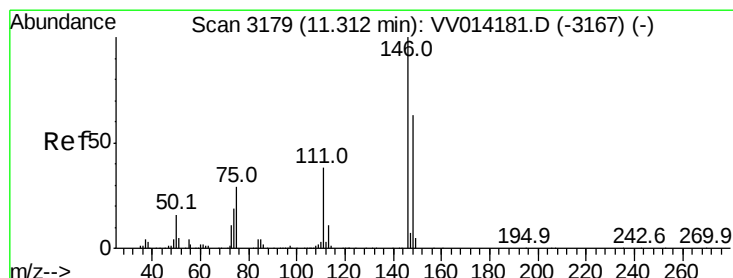
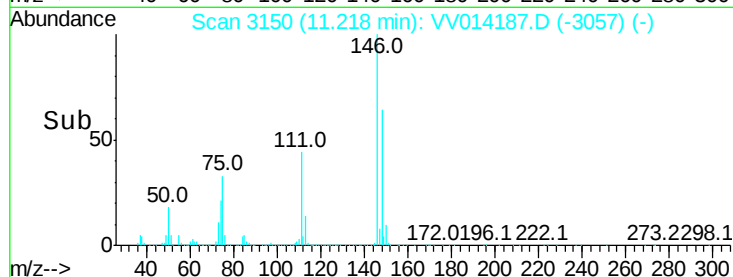
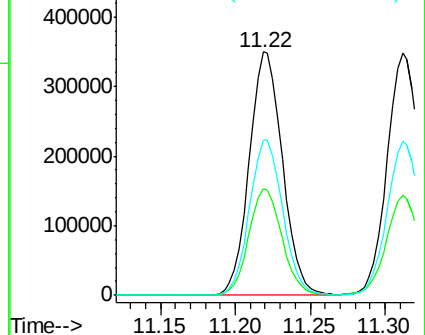
148 63.5 45.7 84.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.434 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. -0.00 min

Lab File: VV014187.D

Acq: 27 Dec 2019 12:48

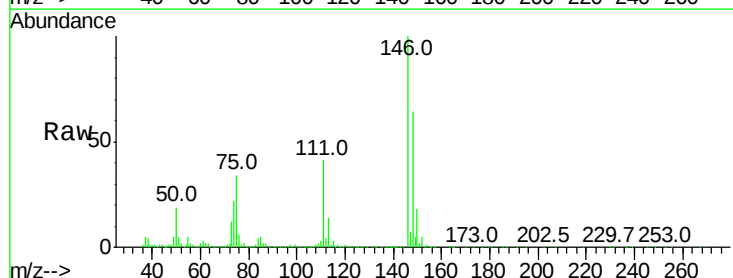
Tgt Ion:146 Resp: 542923

Ion Ratio Lower Upper

146 100

111 41.1 25.7 47.7

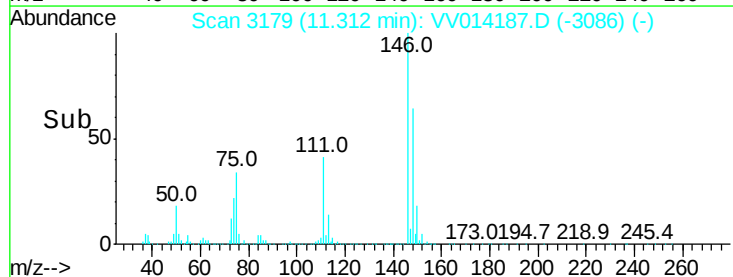
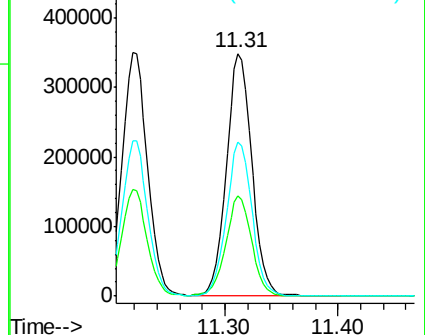
148 63.6 45.1 83.7

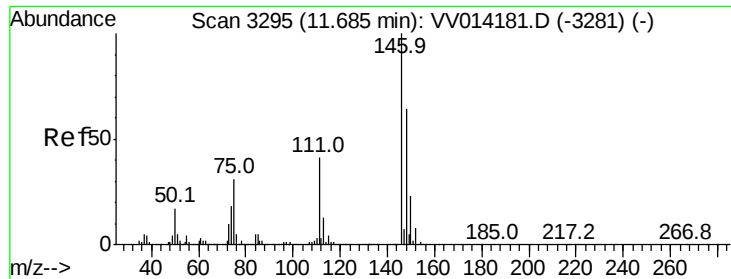


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.405 ug/L

RT: 11.68 min Scan# 3295

Delta R.T. -0.00 min

Lab File: VV014187.D

Acq: 27 Dec 2019 12:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD00536

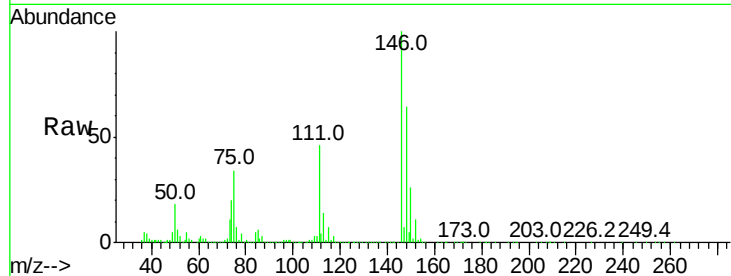
Tgt Ion:146 Resp: 496519

Ion Ratio Lower Upper

146 100

111 45.5 30.7 46.1

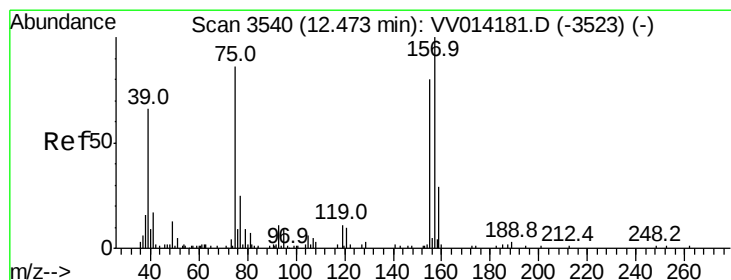
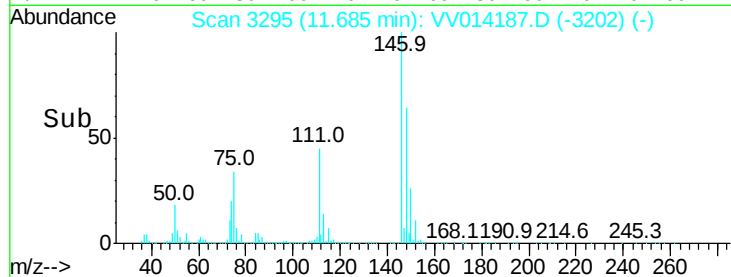
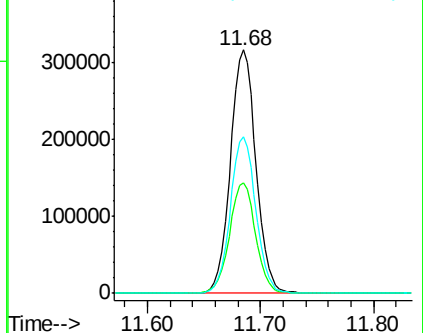
148 64.1 49.4 74.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 6.925 ug/L

RT: 12.47 min Scan# 3539

Delta R.T. -0.00 min

Lab File: VV014187.D

Acq: 27 Dec 2019 12:48

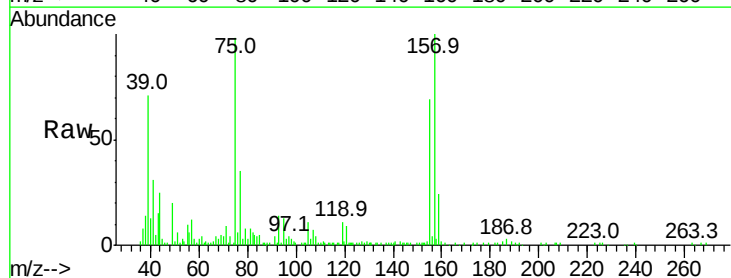
Tgt Ion: 75 Resp: 39005

Ion Ratio Lower Upper

75 100

155 71.1 75.0 112.6#

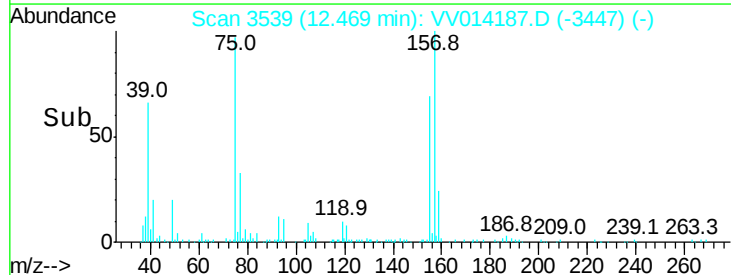
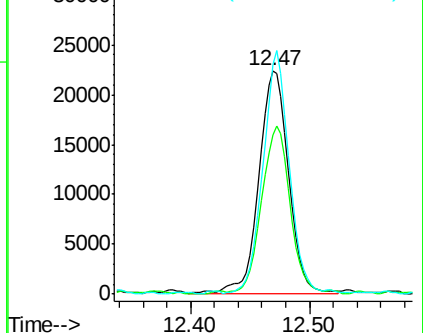
157 102.5 87.4 131.0

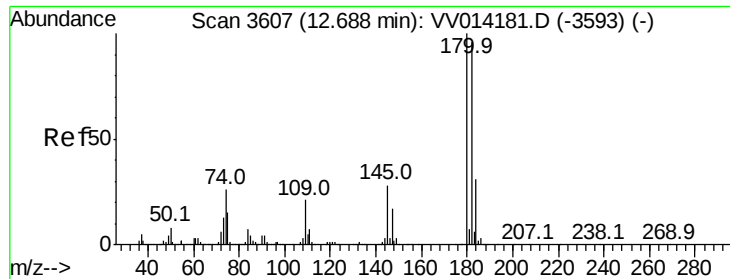


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

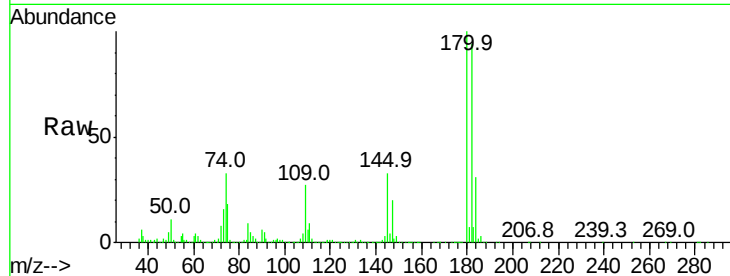




#67
 1,3,5-Trichlorobenzene
 Concen: 4.820 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VV014187.D
 Acq: 27 Dec 2019 12:48

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00536

Tgt Ion:	180	Resp:	391047
Ion Ratio	Lower	Upper	
180	100		
182	96.5	75.9	113.9
184	30.7	24.4	36.6
145	33.6	21.8	32.6#

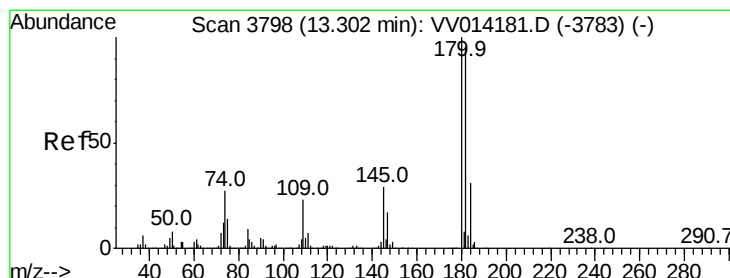
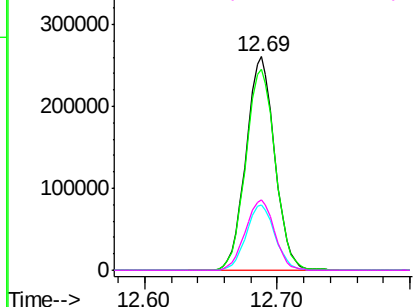
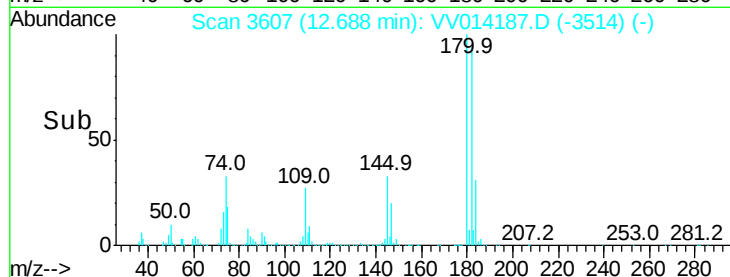


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

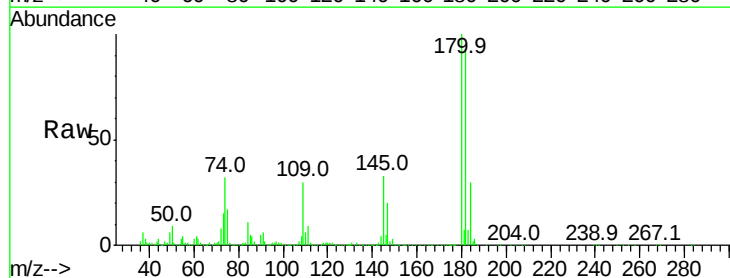
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.160 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV014187.D
 Acq: 27 Dec 2019 12:48

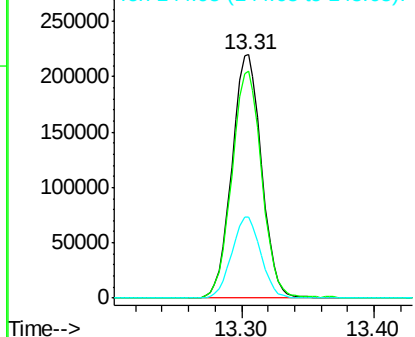
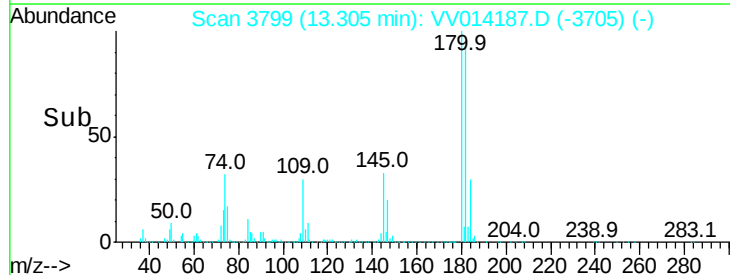
Tgt Ion:	180	Resp:	341469
Ion Ratio	Lower	Upper	
180	100		
182	94.0	76.9	115.3
145	32.8	22.0	33.0

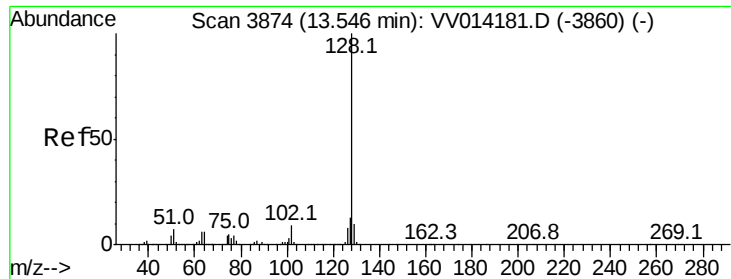


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 7.153 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. -0.00 min

Lab File: VV014187.D

Acq: 27 Dec 2019 12:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD00536

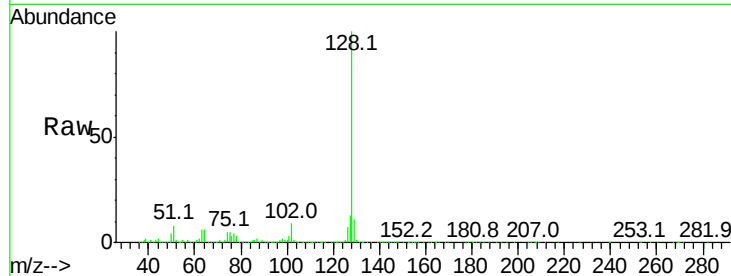
Tgt Ion:128 Resp: 621181

Ion Ratio Lower Upper

128 100

129 10.8 8.6 12.8

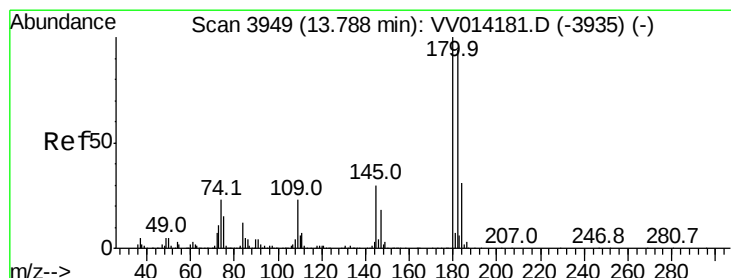
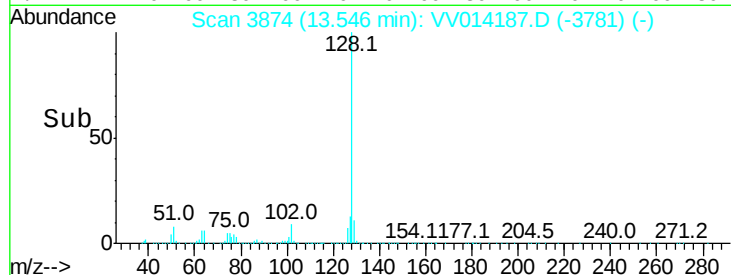
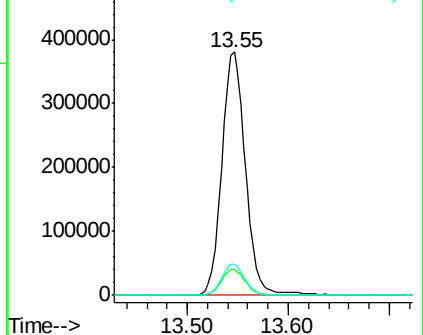
127 12.7 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.912 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VV014187.D

Acq: 27 Dec 2019 12:48

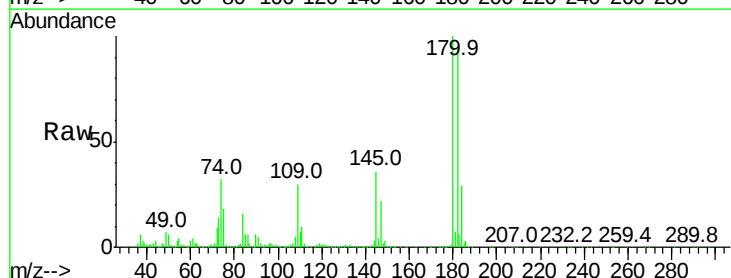
Tgt Ion:180 Resp: 299852

Ion Ratio Lower Upper

180 100

182 93.5 75.4 113.0

145 36.3 23.4 35.2#



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

