

Data File : VV014155.D
Acq On : 23 Dec 2019 11:30
Operator : SY/MD
Sample : VSTD001
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00134

Quant Time: Dec 23 12:19:37 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR122319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Dec 23 12:16:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	398184	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	374988	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	187777	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	24798	1.01	ug/L	0.00
7) Chloroethane-d5	1.58	69	21313	1.02	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	45471	1.10	ug/L	0.00
20) 2-Butanone-d5	3.96	46	42479	8.29	ug/L	0.02
24) Chloroform-d	4.40	84	48901	0.98	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	22929	0.97	ug/L	0.00
32) Benzene-d6	5.10	84	89469	0.92	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	28405	0.99	ug/L	0.00
41) Toluene-d8	7.36	98	74688	0.82	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	10367	0.92	ug/L	0.00
46) 2-Hexanone-d5	8.13	63	28313	6.84	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.25	84	19173	0.96	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	29073	0.88	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	29518	1.113 ug/L	99
3) Chloromethane	1.25	50	30293	1.301 ug/L	95
5) Vinyl chloride	1.32	62	28707	1.207 ug/L	96
6) Bromomethane	1.53	94	15739	1.257 ug/L	98
8) Chloroethane	1.60	64	17439	1.217 ug/L	96
9) Trichlorofluoromethane	1.77	101	39345	1.065 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	22615	1.030 ug/L	96
12) 1,1-Dichloroethene	2.14	96	20792	1.086 ug/L	80
13) Acetone	2.22	43	45003	12.561 ug/L	95
14) Carbon disulfide	2.32	76	64834	1.467 ug/L #	93
15) Methyl Acetate	2.47	43	8385	1.045 ug/L #	83
16) Methylene chloride	2.53	84	29733	1.134 ug/L	96
17) Methyl tert-butyl Ether	2.80	73	48112	0.918 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	24193	1.119 ug/L	96
19) 1,1-Dichloroethane	3.23	63	44569	1.033 ug/L	98
21) 2-Butanone	4.05	43	47900	8.845 ug/L	95
22) cis-1,2-Dichloroethene	3.96	96	24200	0.955 ug/L #	100
23) Bromochloromethane	4.30	128	11485	1.031 ug/L	95
25) Chloroform	4.42	83	47476	1.038 ug/L	99
27) 1,2-Dichloroethane	5.18	62	24842	0.949 ug/L	95
29) 1,1,1-Trichloroethane	4.65	97	40931	1.067 ug/L	96
30) Cyclohexane	4.72	56	35457	1.106 ug/L #	91
31) Carbon tetrachloride	4.87	117	35063	1.039 ug/L	96
33) Benzene	5.14	78	94159	1.024 ug/L	100
34) Trichloroethene	5.96	95	26321	1.037 ug/L	95
35) Methylcyclohexane	6.17	83	33924	1.002 ug/L	98
37) 1,2-Dichloropropane	6.22	63	23972	1.014 ug/L	98
38) Bromodichloromethane	6.55	83	31635	1.014 ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	29257	0.872 ug/L	96
40) 4-Methyl-2-pentanone	7.27	43	112119	8.128 ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	92805	0.941	ug/L	95
44) trans-1,3-Dichloropropene	7.69	75	24570	0.936	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	16408	0.974	ug/L	95
47) Tetrachloroethene	8.02	164	22074	1.002	ug/L	95
48) 2-Hexanone	8.19	43	75526	7.671	ug/L	97
49) Dibromochloromethane	8.29	129	19761	0.915	ug/L	90
50) 1,2-Dibromoethane	8.40	107	15124	0.991	ug/L #	90
51) Chlorobenzene	8.92	112	63127	0.920	ug/L	98
52) Ethylbenzene	9.05	91	90268	0.842	ug/L	100
53) m,p-xylene	9.18	106	33163	0.812	ug/L	97
54) o-xylene	9.58	106	31606	0.792	ug/L	97
55) Styrene	9.60	104	52565	0.763	ug/L	98
56) Isopropylbenzene	9.97	105	81419	0.749	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.28	83	18467	0.998	ug/L	98
59) 1,2,3-Trichloropropane	10.31	75	13869	0.956	ug/L	97
61) Bromoform	9.77	173	11637	0.985	ug/L	96
62) 1,3-Dichlorobenzene	11.22	146	47665	0.874	ug/L	97
63) 1,4-Dichlorobenzene	11.31	146	49128	0.885	ug/L	98
65) 1,2-Dichlorobenzene	11.68	146	44903	0.887	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	3068	1.043	ug/L	93
67) 1,3,5-Trichlorobenzene	12.69	180	40128	0.871	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	31422	0.832	ug/L	99
69) Naphthalene	13.55	128	33599	0.653	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	28092	0.816	ug/L	98

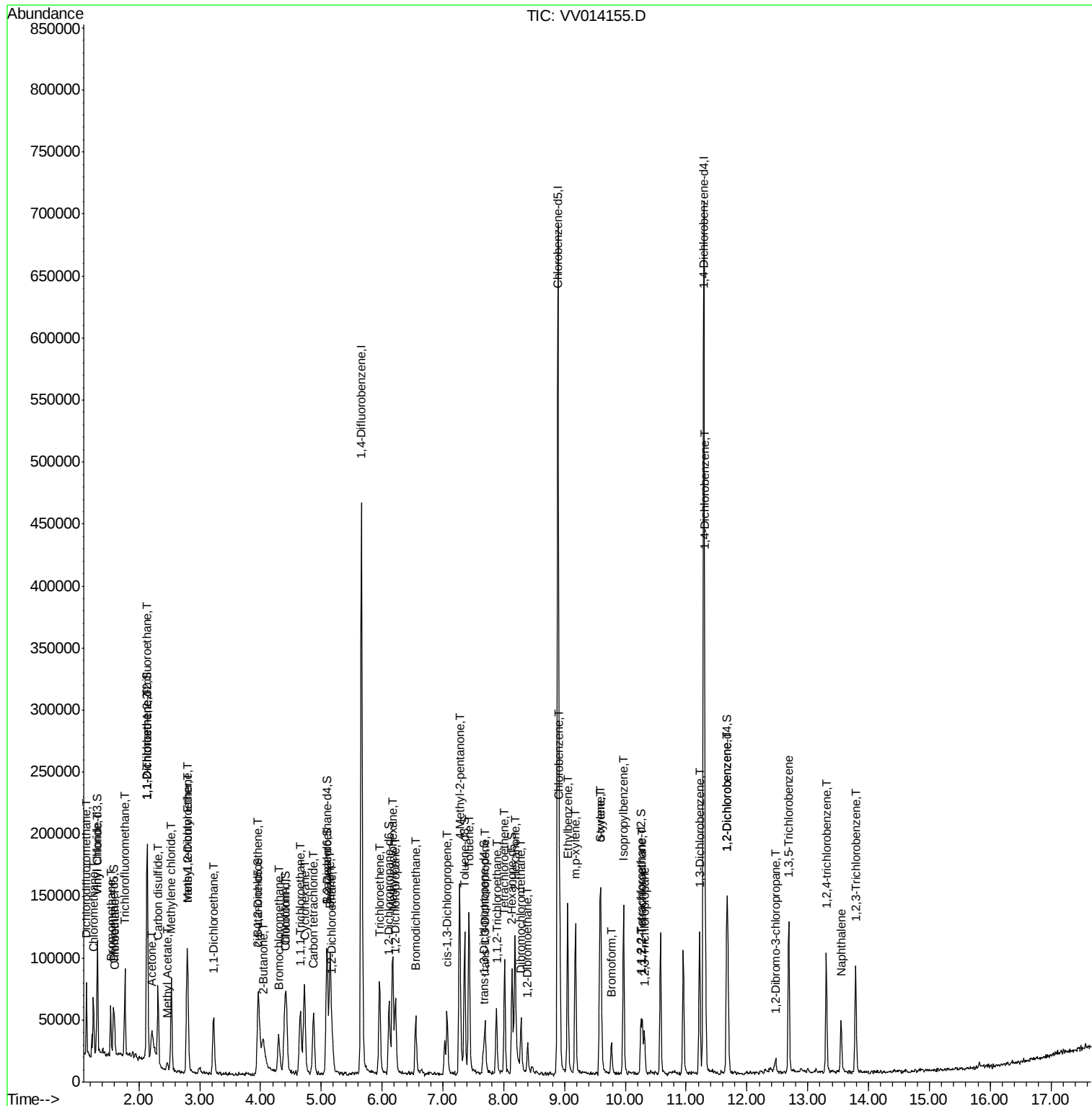
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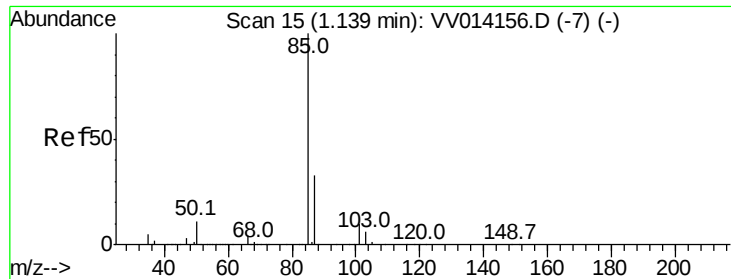
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#2

Dichlorodifluoromethane

Concen: 1.113 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV014155.D

Acq: 23 Dec 2019 11:30

Instrument :

MSVOA_V

ClientSampleId :

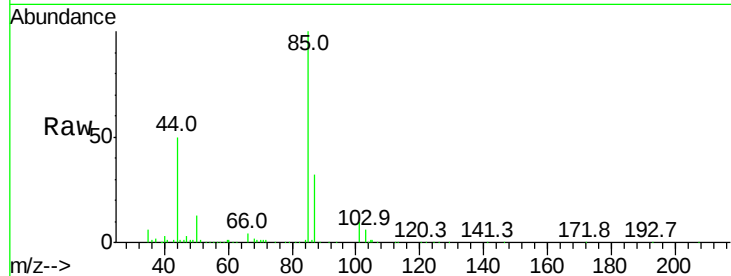
VSTD00134

Tgt Ion: 85 Resp: 29518

Ion Ratio Lower Upper

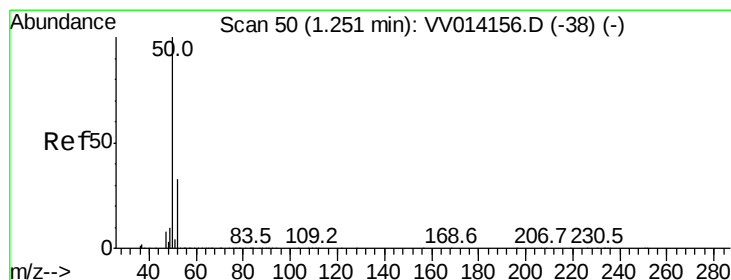
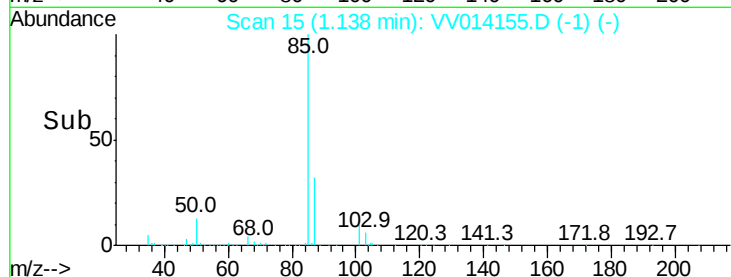
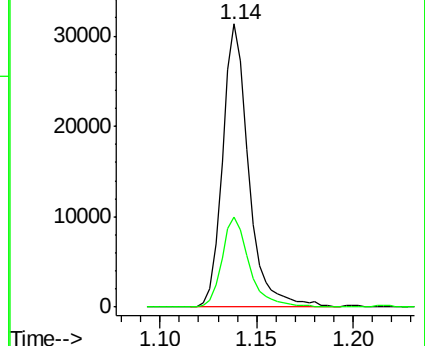
85 100

87 33.3 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: 1.301 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV014155.D

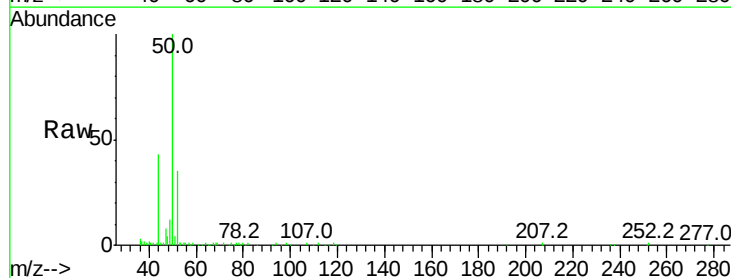
Acq: 23 Dec 2019 11:30

Tgt Ion: 50 Resp: 30293

Ion Ratio Lower Upper

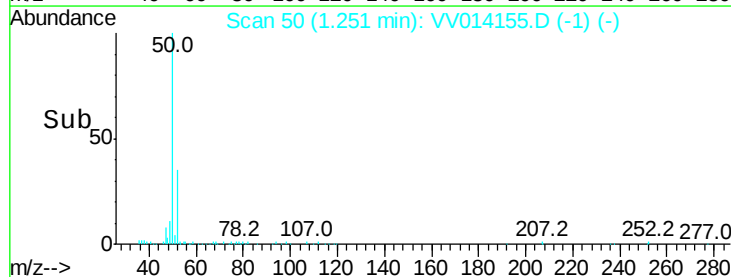
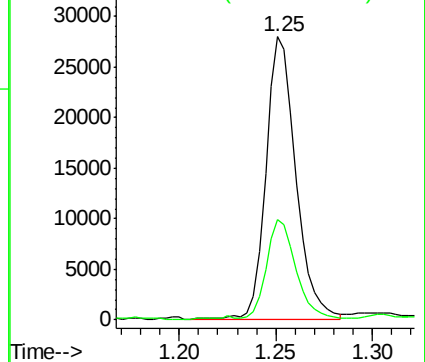
50 100

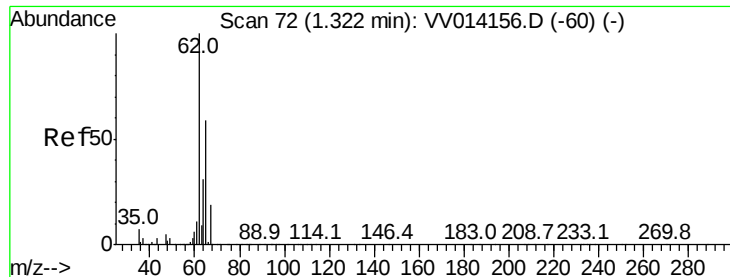
52 35.3 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 1.207 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV014155.D

Acq: 23 Dec 2019 11:30

Instrument :

MSVOA_V

ClientSampleId :

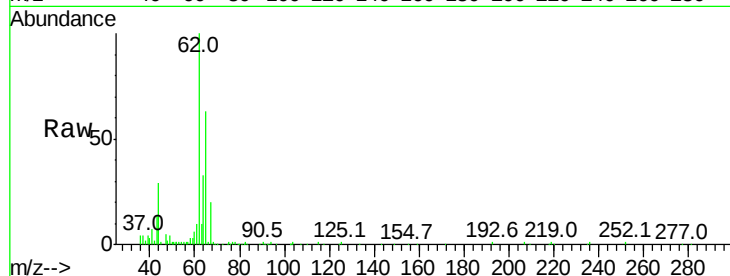
VSTD00134

Tgt Ion: 62 Resp: 28707

Ion Ratio Lower Upper

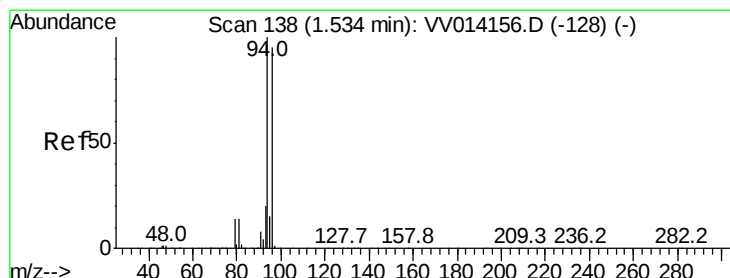
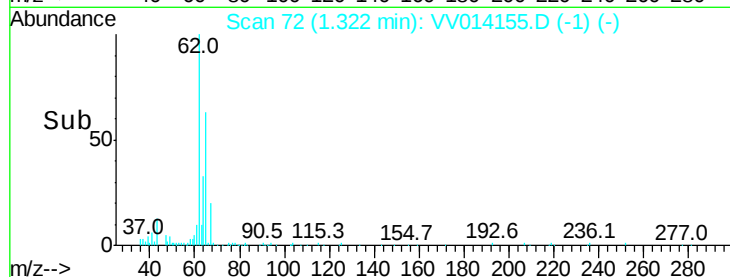
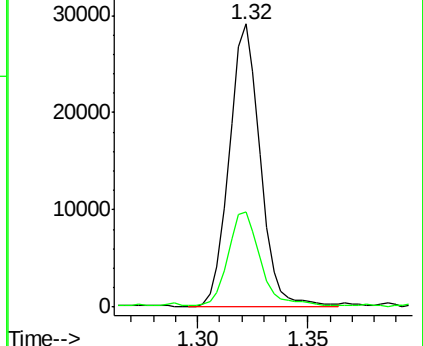
62 100

64 33.4 22.0 40.8



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 1.257 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV014155.D

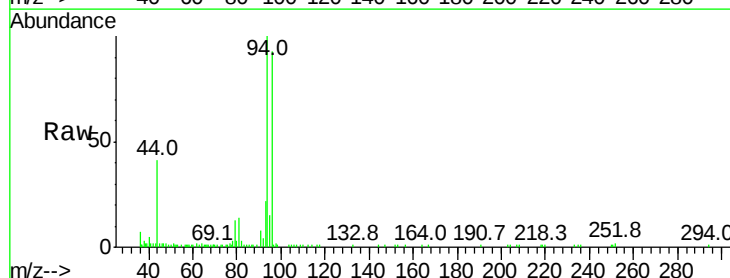
Acq: 23 Dec 2019 11:30

Tgt Ion: 94 Resp: 15739

Ion Ratio Lower Upper

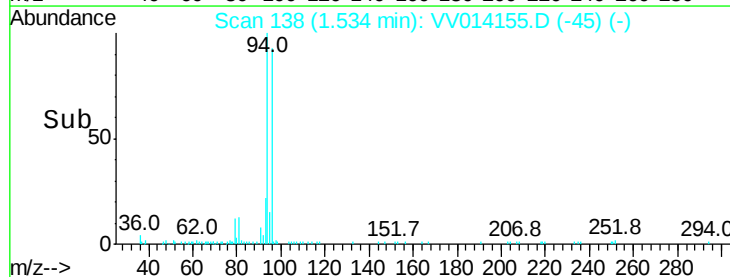
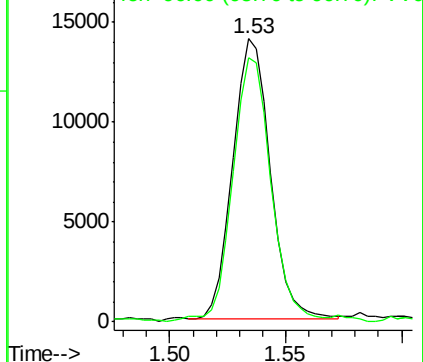
94 100

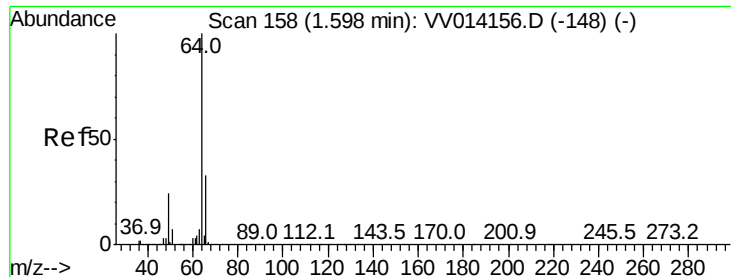
96 93.2 66.4 123.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 1.217 ug/L

RT: 1.60 min Scan# 158

Delta R.T. -0.00 min

Lab File: VV014155.D

Acq: 23 Dec 2019 11:30

Instrument :

MSVOA_V

ClientSampleId :

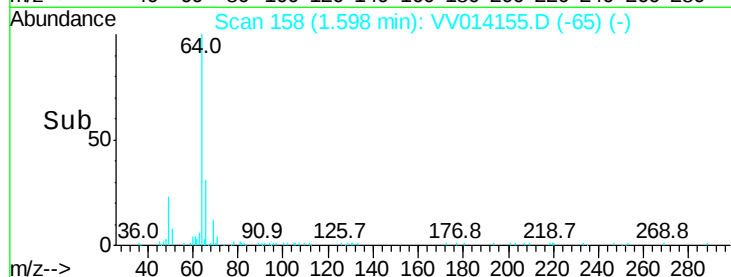
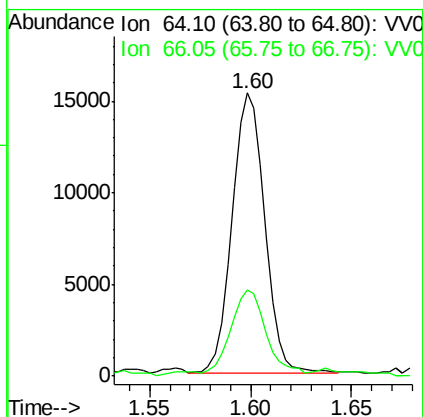
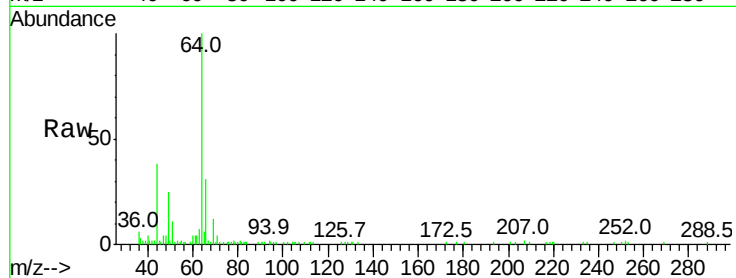
VSTD00134

Tgt Ion: 64 Resp: 17439

Ion Ratio Lower Upper

64 100

66 30.6 23.1 42.9



#9

Trichlorofluoromethane

Concen: 1.065 ug/L

RT: 1.77 min Scan# 211

Delta R.T. -0.00 min

Lab File: VV014155.D

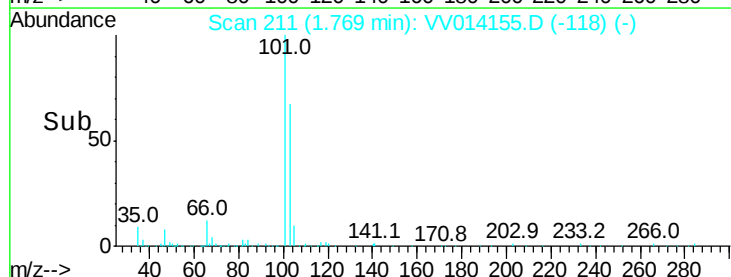
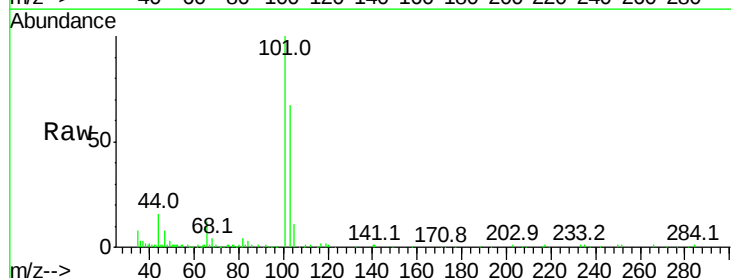
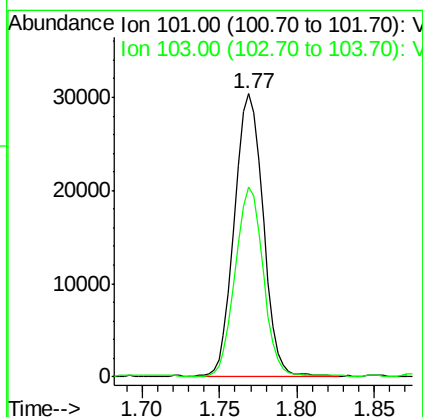
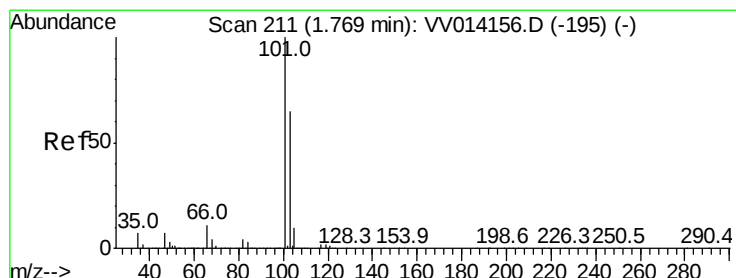
Acq: 23 Dec 2019 11:30

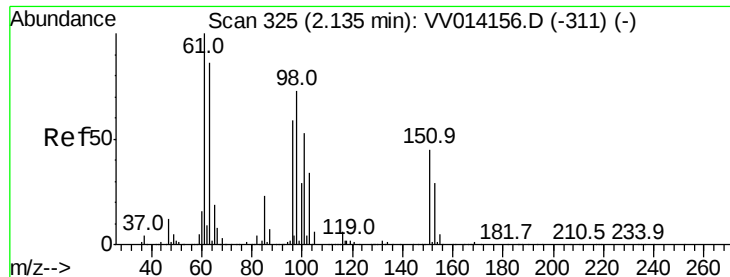
Tgt Ion: 101 Resp: 39345

Ion Ratio Lower Upper

101 100

103 65.2 51.8 77.8





#10

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

Concen: 1.030 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV014155.D

Acq: 23 Dec 2019 11:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD00134

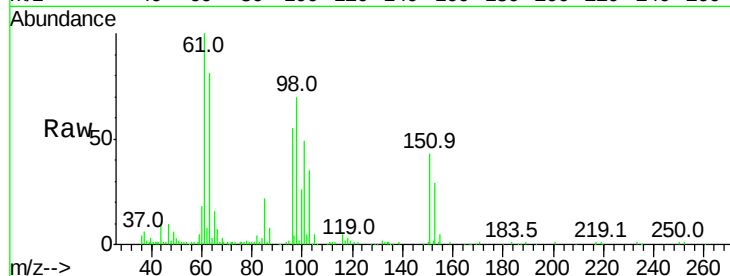
Tgt Ion: 101 Resp: 22615

Ion Ratio Lower Upper

101 100

85 42.5 34.7 52.1

151 81.2 69.1 103.7



Abundance Ion 101.00 (100.70 to 101.70): VV014155.D (-326) (-)

Ion 85.00 (84.70 to 85.70): VV014155.D (-326) (-)

Ion 151.00 (150.70 to 151.70): VV014155.D (-326) (-)

Time-->

2.14

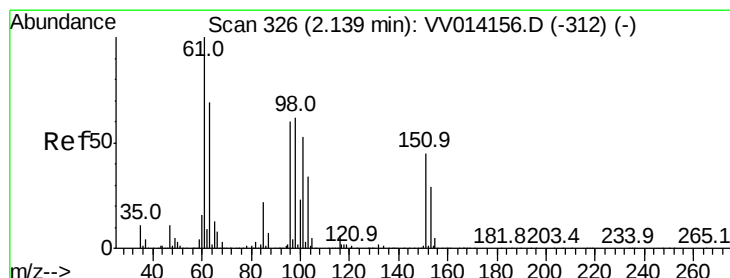
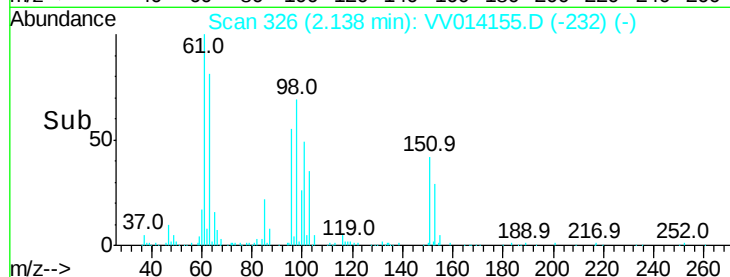
15000

10000

5000

0

2.05 2.10 2.15 2.20



#12

1,1-Dichloroethene

Concen: 1.086 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV014155.D

Acq: 23 Dec 2019 11:30

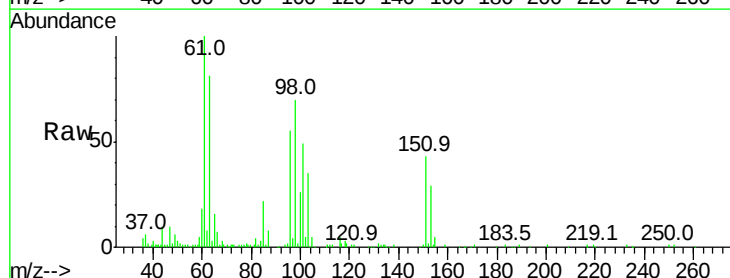
Tgt Ion: 96 Resp: 20792

Ion Ratio Lower Upper

96 100

61 181.3 115.8 215.2

63 147.4 79.9 148.3



Abundance Ion 96.00 (95.70 to 96.70): VV014155.D (-326) (-)

Ion 61.05 (60.75 to 61.75): VV014155.D (-326) (-)

Ion 63.00 (62.70 to 63.70): VV014155.D (-326) (-)

Time-->

2.14

40000

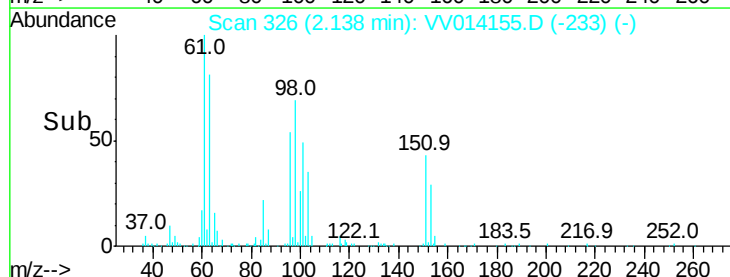
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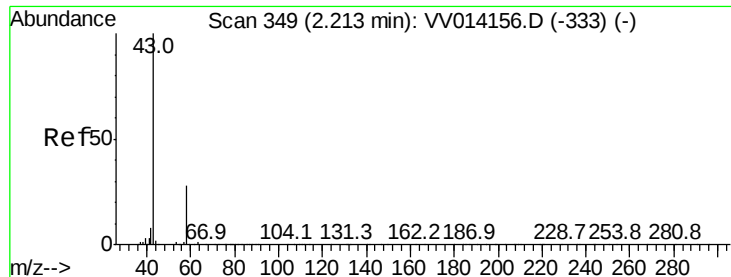
20000

10000

0

2.10 2.15 2.20





#13

Acetone

Concen: 12.561 ug/L

RT: 2.22 min Scan# 350

Delta R.T. 0.00 min

Lab File: VV014155.D

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ClientSampleId :

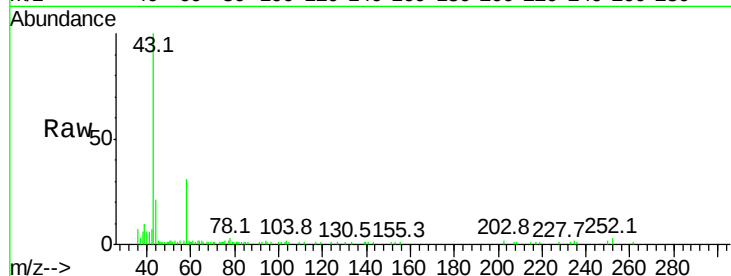
VSTD00134

Tgt Ion: 43 Resp: 45003

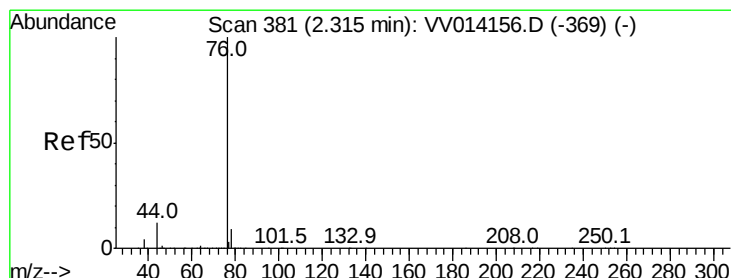
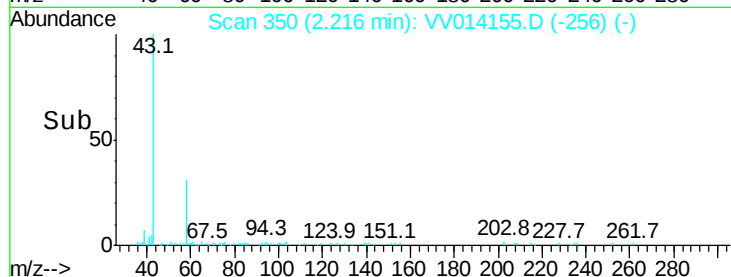
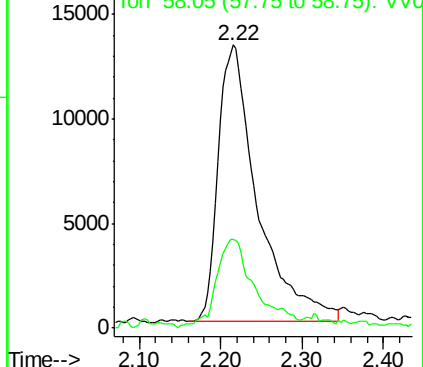
Ion Ratio Lower Upper

43 100

58 31.9 0.0 58.8



Abundance Ion 43.05 (42.75 to 43.75): VV014155.D (-350) (-)



#14

Carbon disulfide

Concen: 1.467 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV014155.D

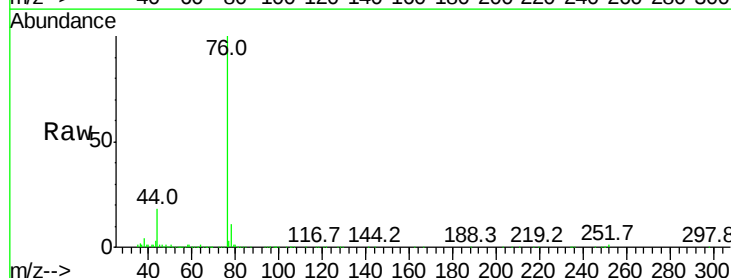
Acq: 23 Dec 2019 11:30

Tgt Ion: 76 Resp: 64834

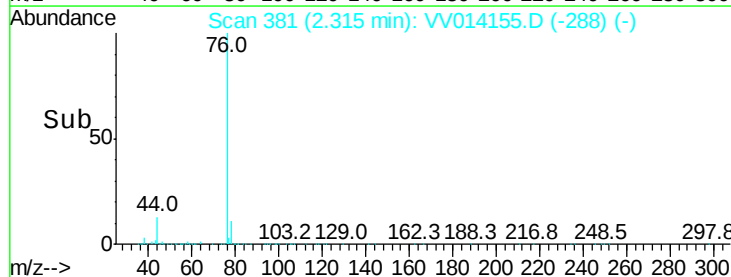
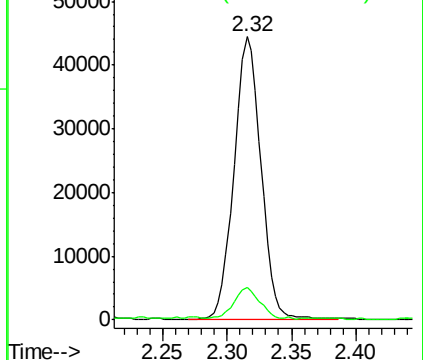
Ion Ratio Lower Upper

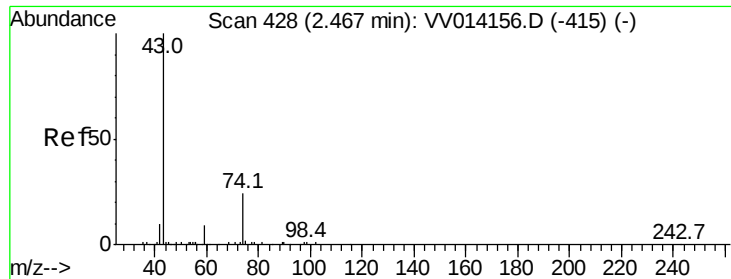
76 100

78 11.3 7.0 10.6#



Abundance Ion 76.05 (75.75 to 76.75): VV014155.D (-381) (-)





#15

Methyl Acetate

Concen: 1.045 ug/L

RT: 2.47 min Scan# 428

Delta R.T. -0.00 min

Lab File: VV014155.D

Acq: 23 Dec 2019 11:30

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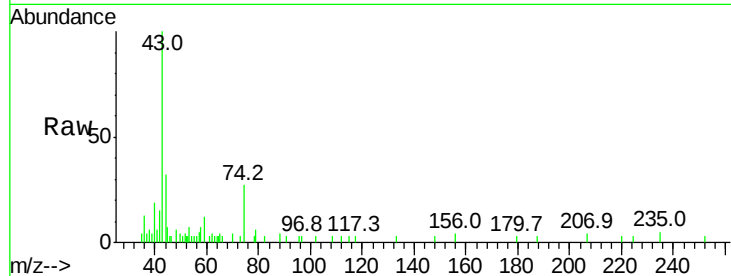
VSTD00134

Tgt Ion: 43 Resp: 8385

Ion Ratio Lower Upper

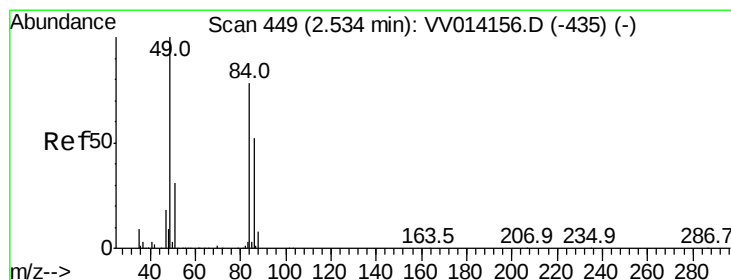
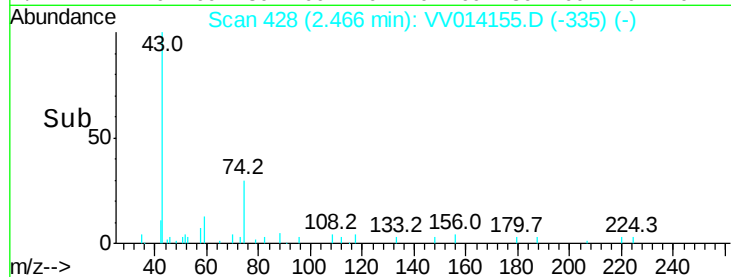
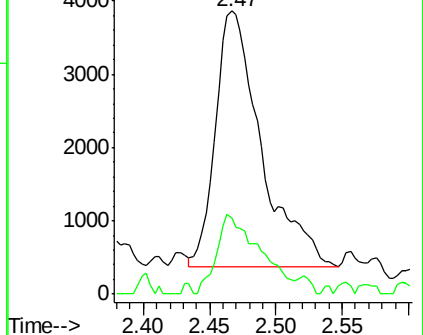
43 100

74 29.6 17.3 25.9#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 1.134 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.00 min

Lab File: VV014155.D

Acq: 23 Dec 2019 11:30

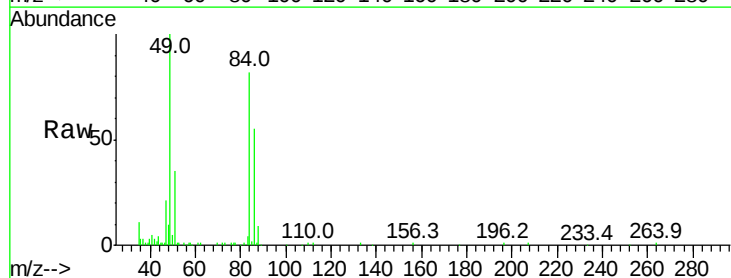
Tgt Ion: 84 Resp: 29733

Ion Ratio Lower Upper

84 100

86 67.5 46.3 85.9

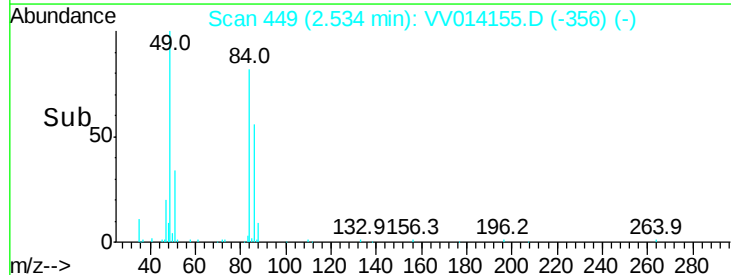
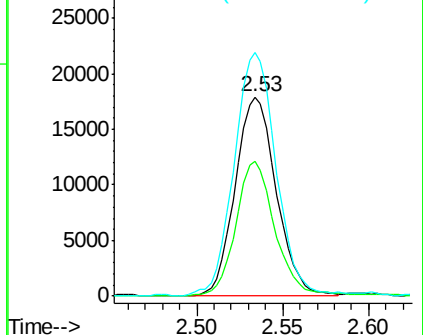
49 122.2 89.8 166.8

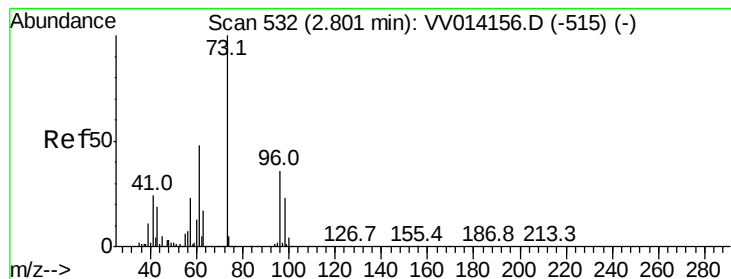


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0





#17

Methyl tert-butyl Ether

Concen: 0.918 ug/L

RT: 2.80 min Scan# 533

Delta R.T. 0.00 min

Lab File: VV014155.D

Acq: 23 Dec 2019 11:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD00134

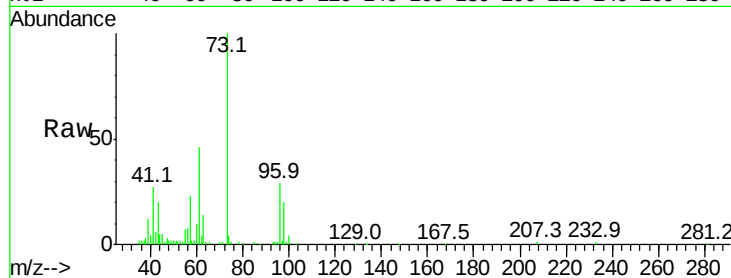
Tgt Ion: 73 Resp: 48112

Ion Ratio Lower Upper

73 100

43 21.0 15.8 23.8

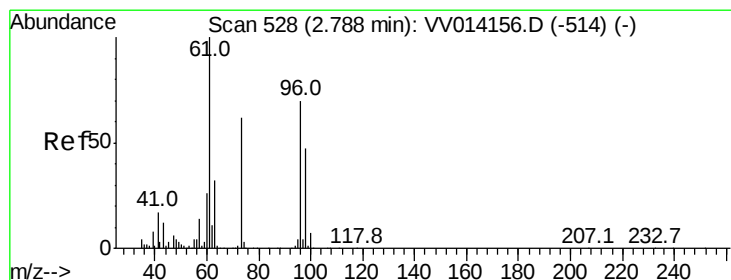
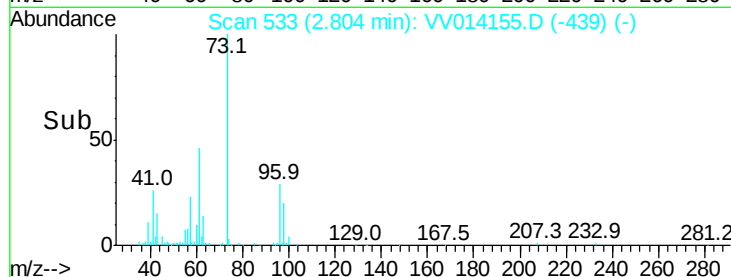
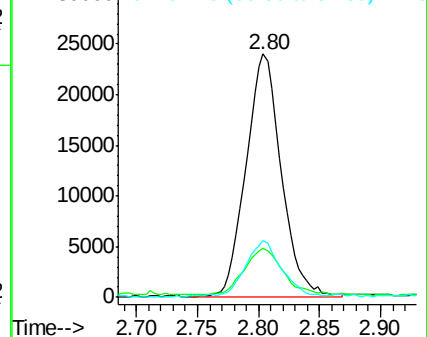
57 23.2 18.6 28.0



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: 1.119 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV014155.D

Acq: 23 Dec 2019 11:30

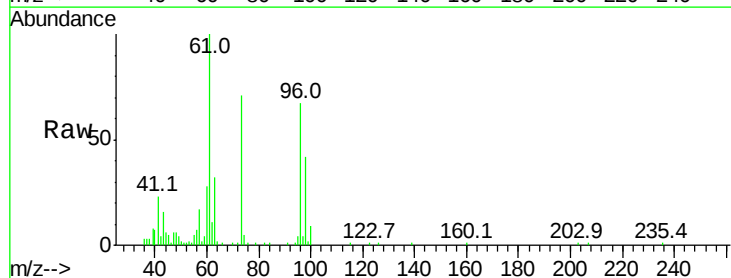
Tgt Ion: 96 Resp: 24193

Ion Ratio Lower Upper

96 100

61 148.4 100.7 187.1

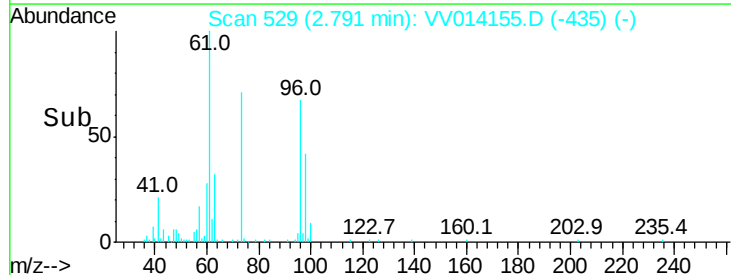
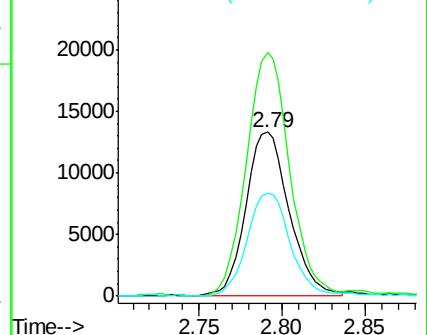
98 62.9 46.9 87.1

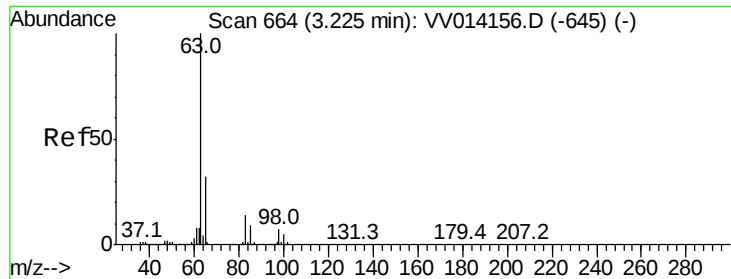


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0

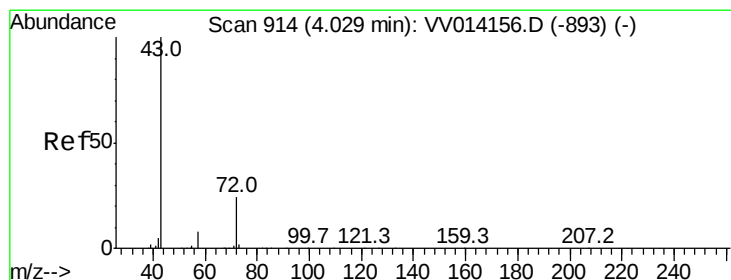
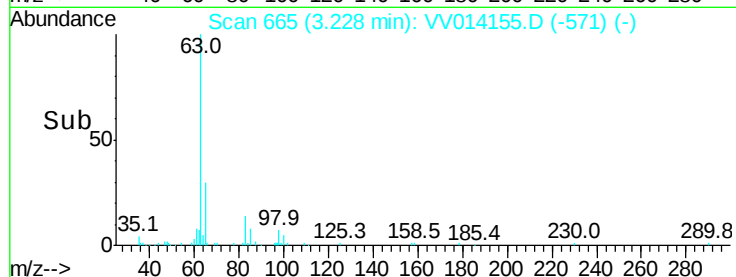
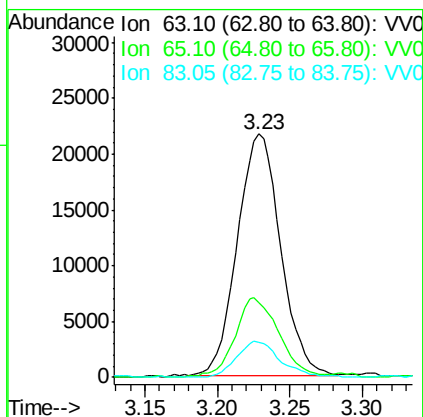
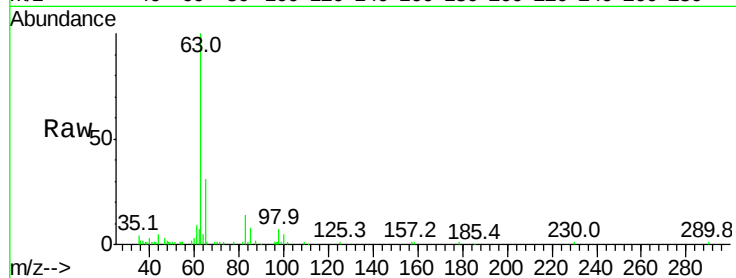




#19
 1,1-Dichloroethane
 Concen: 1.033 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV014155.D
 Acq: 23 Dec 2019 11:30

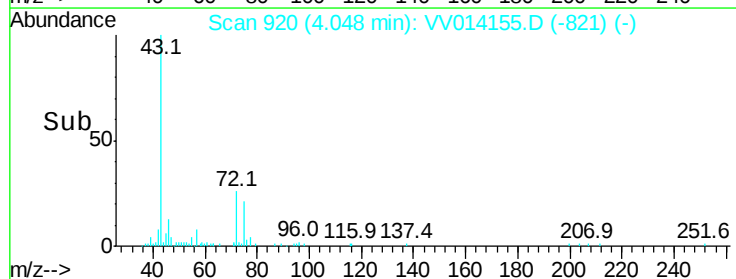
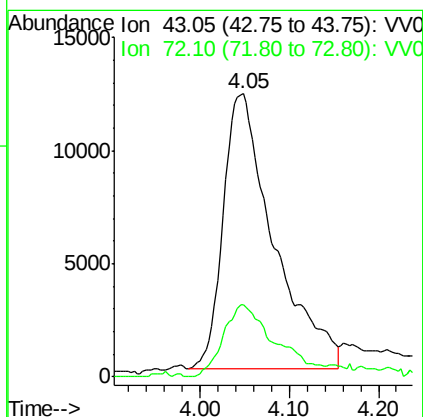
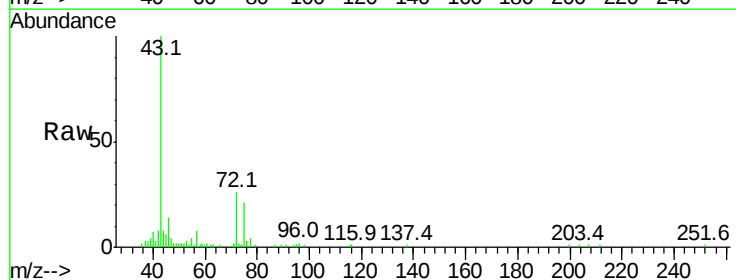
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00134

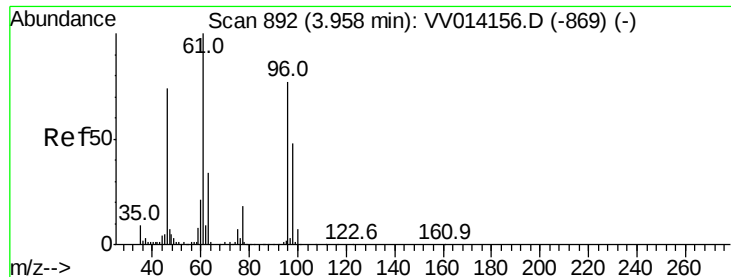
Tgt Ion	Ratio	Lower	Upper
63	100		
65	30.6	22.3	41.5
83	14.5	9.7	17.9



#21
 2-Butanone
 Concen: 8.845 ug/L
 RT: 4.05 min Scan# 920
 Delta R.T. 0.02 min
 Lab File: VV014155.D
 Acq: 23 Dec 2019 11:30

Tgt Ion	Ratio	Lower	Upper
43	100		
72	27.4	12.4	37.0



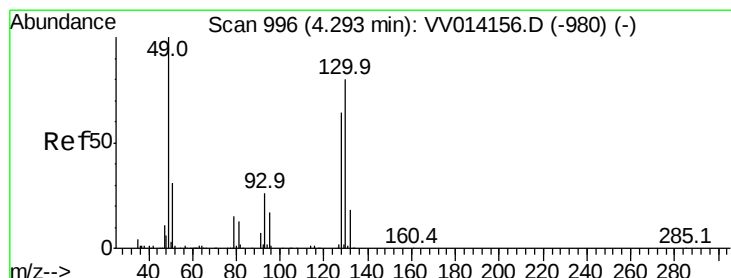
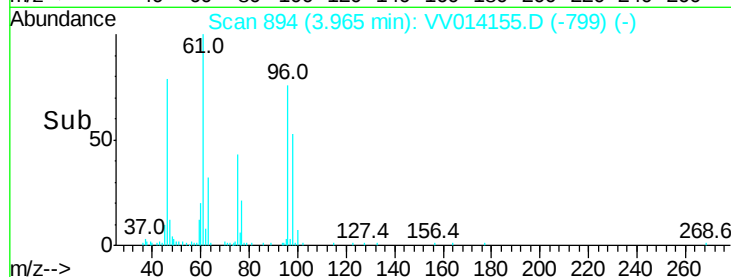
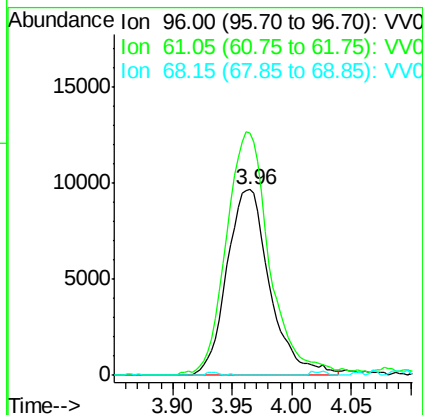
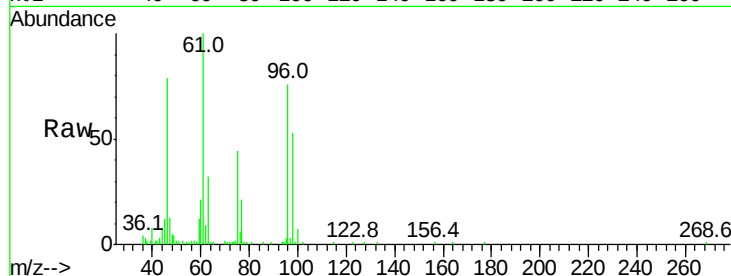


#22

cis-1,2-Dichloroethene
 Concen: 0.955 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. 0.01 min
 Lab File: VV014155.D
 Acq: 23 Dec 2019 11:30

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00134

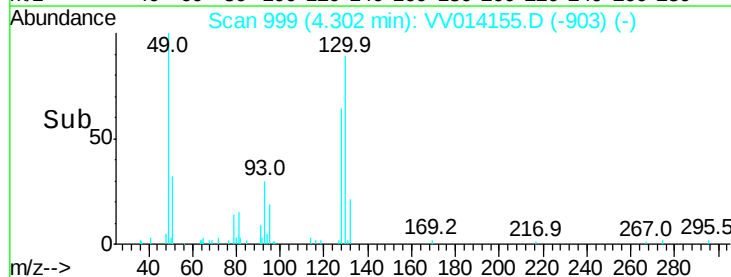
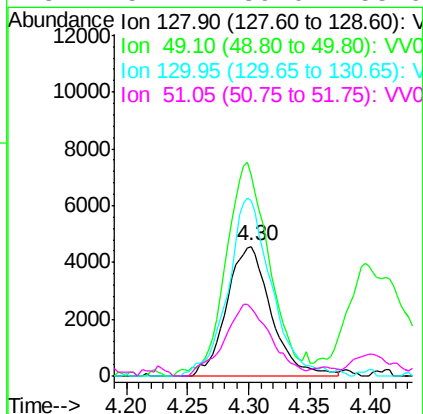
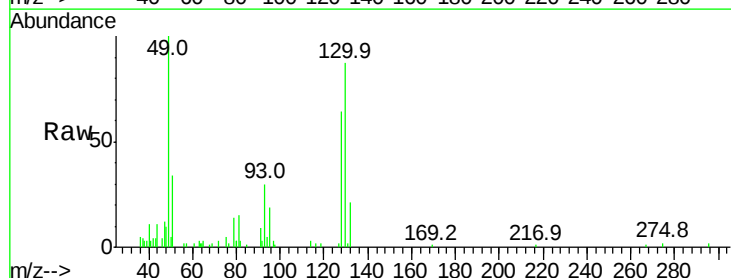
Tgt Ion: 96 Resp: 24200
 Ion Ratio Lower Upper
 96 100
 61 130.8 91.2 169.4
 68 0.0 0.1 0.3#

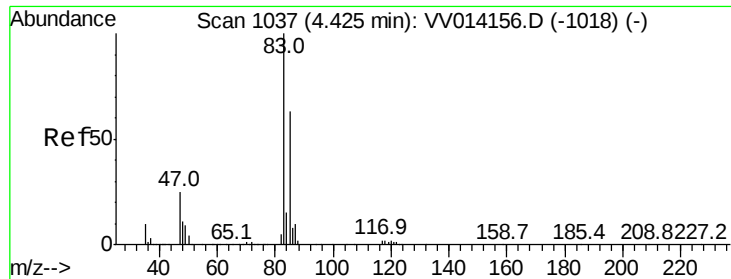


#23

Bromochloromethane
 Concen: 1.031 ug/L
 RT: 4.30 min Scan# 999
 Delta R.T. 0.01 min
 Lab File: VV014155.D
 Acq: 23 Dec 2019 11:30

Tgt Ion: 128 Resp: 11485
 Ion Ratio Lower Upper
 128 100
 49 155.5 109.3 202.9
 130 135.7 87.2 161.9
 51 52.7 39.0 58.6

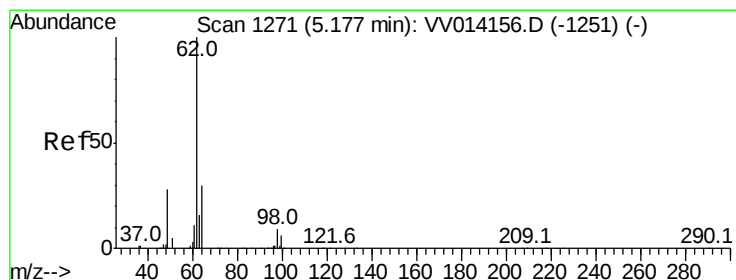
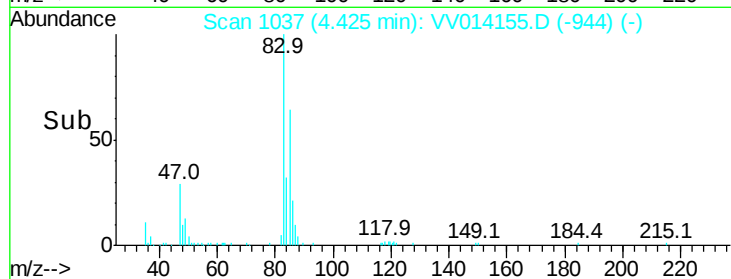
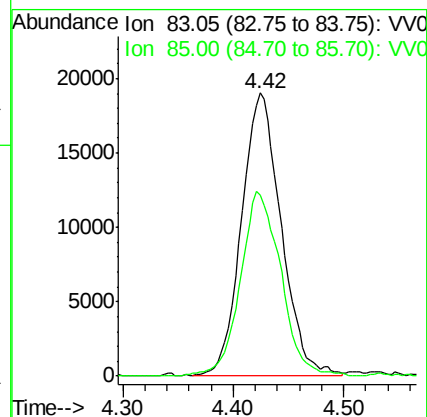
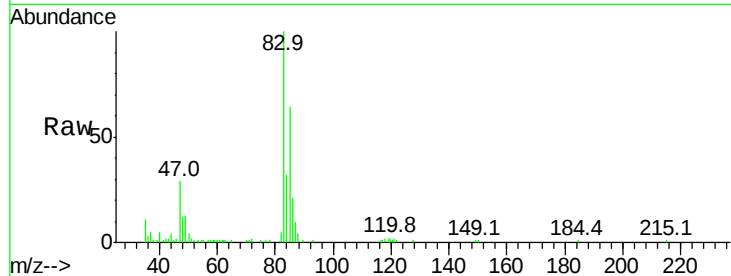




#25
Chloroform
Concen: 1.038 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV014155.D
Acq: 23 Dec 2019 11:30

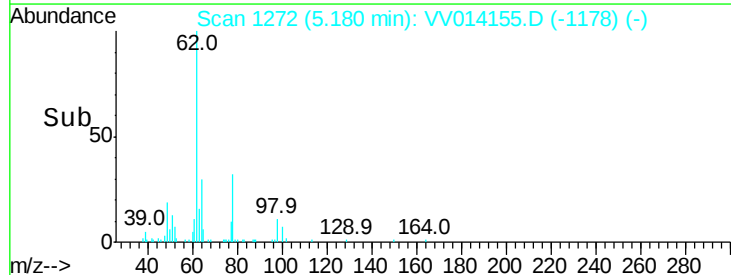
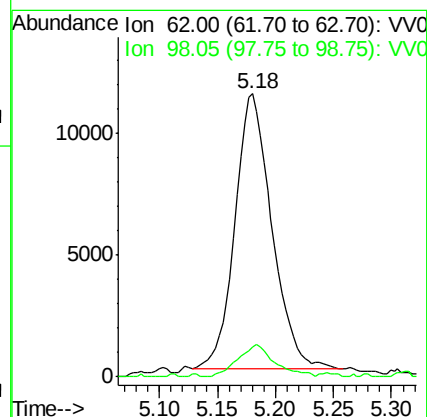
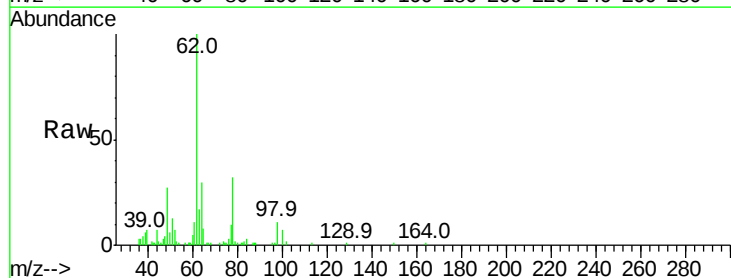
Instrument :
MSVOA_V
ClientSampleId :
VSTD00134

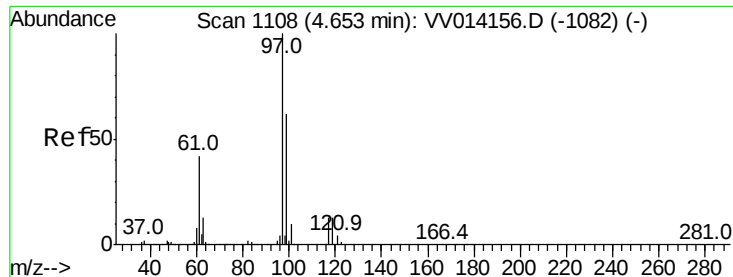
Tgt Ion: 83 Resp: 47476
Ion Ratio Lower Upper
83 100
85 64.1 44.6 82.8



#27
1,2-Dichloroethane
Concen: 0.949 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV014155.D
Acq: 23 Dec 2019 11:30

Tgt Ion: 62 Resp: 24842
Ion Ratio Lower Upper
62 100
98 10.5 7.0 10.6





#29

1,1,1-Trichloroethane

Concen: 1.067 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VV014155.D

Acq: 23 Dec 2019 11:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD00134

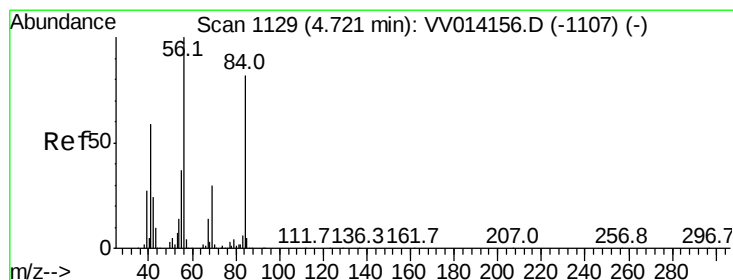
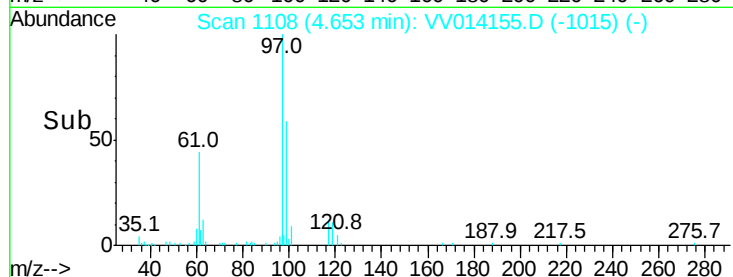
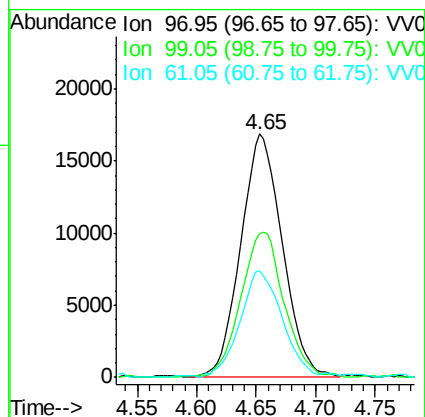
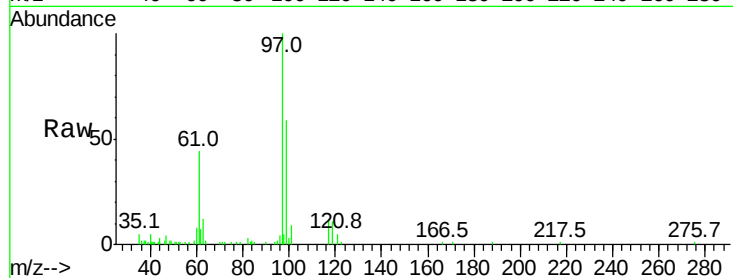
Tgt Ion: 97 Resp: 40931

Ion Ratio Lower Upper

97 100

99 60.0 51.6 77.4

61 44.1 34.5 51.7



#30

Cyclohexane

Concen: 1.106 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VV014155.D

Acq: 23 Dec 2019 11:30

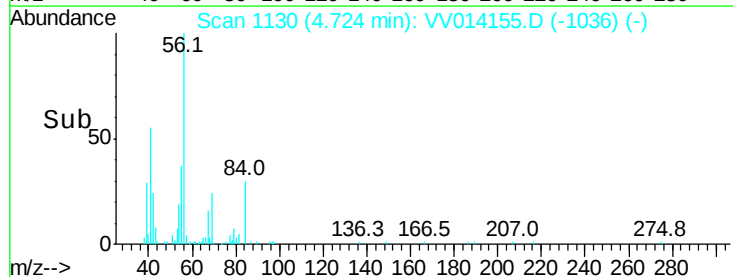
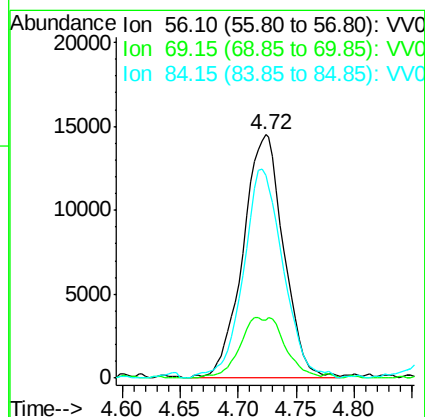
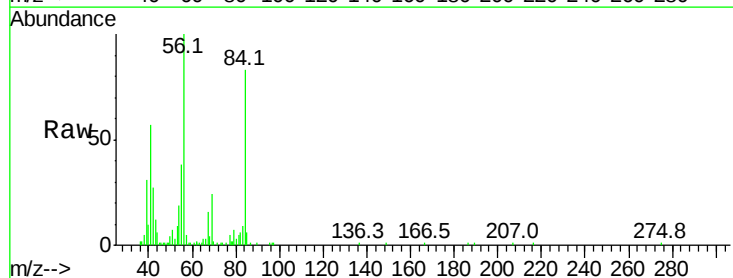
Tgt Ion: 56 Resp: 35457

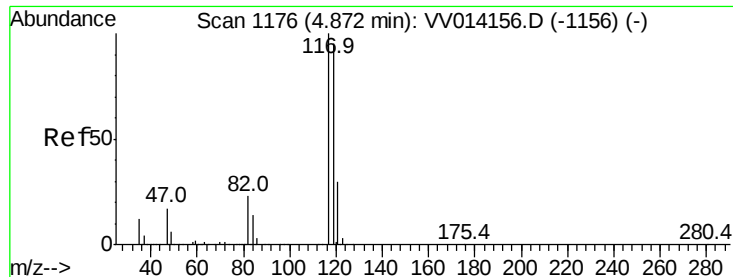
Ion Ratio Lower Upper

56 100

69 14.0 24.4 36.6#

84 83.8 68.3 102.5





#31

Carbon tetrachloride

Concen: 1.039 ug/L

RT: 4.87 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VV014155.D

Acq: 23 Dec 2019 11:30

Instrument :

MSVOA_V

ClientSampleId :

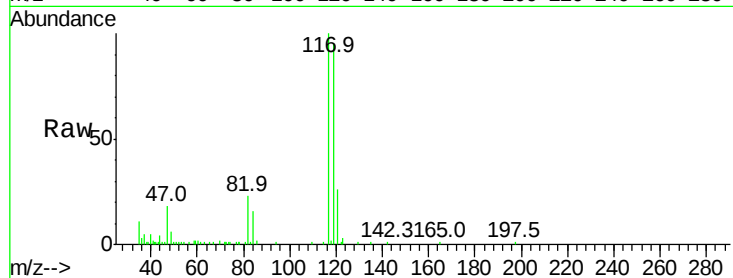
VSTD00134

Tgt Ion:117 Resp: 35063

Ion Ratio Lower Upper

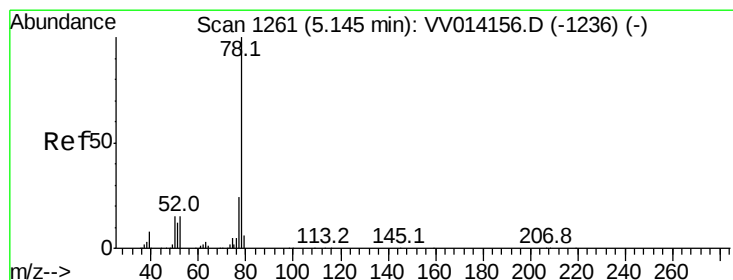
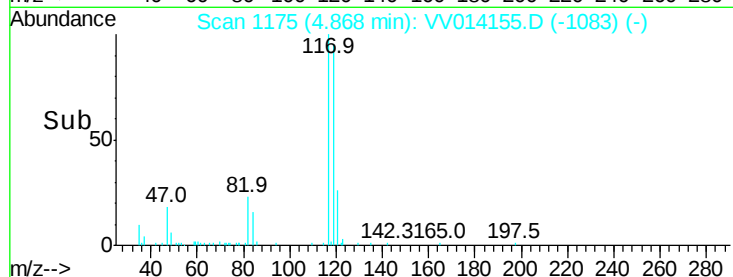
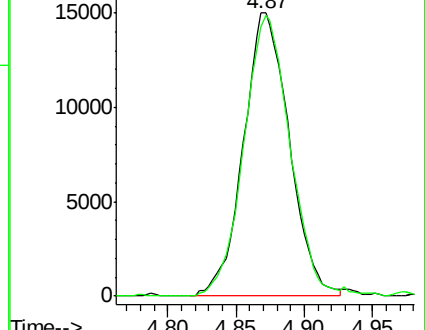
117 100

119 99.2 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: 1.024 ug/L

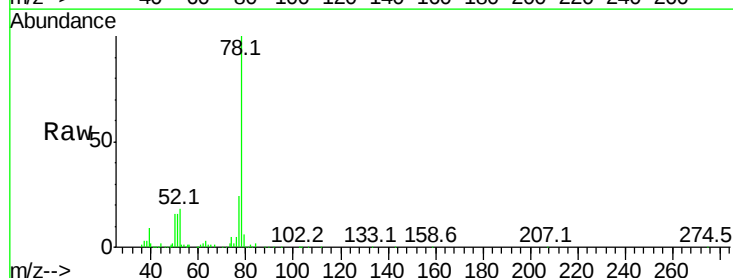
RT: 5.14 min Scan# 1261

Delta R.T. -0.00 min

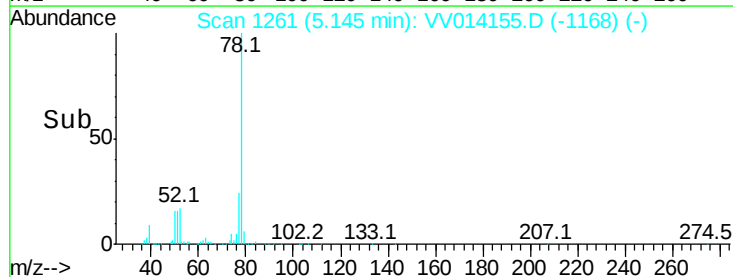
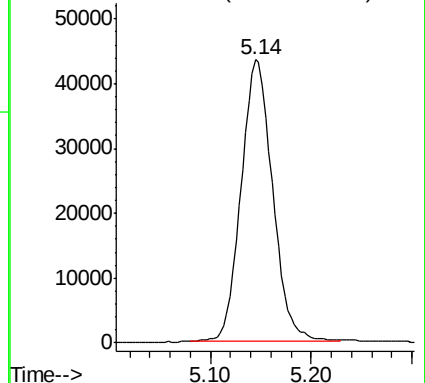
Lab File: VV014155.D

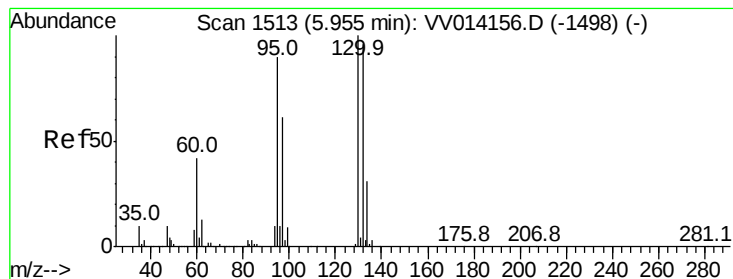
Acq: 23 Dec 2019 11:30

Tgt Ion: 78 Resp: 94159



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 1.037 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV014155.D

Acq: 23 Dec 2019 11:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD00134

Tgt Ion: 95 Resp: 26321

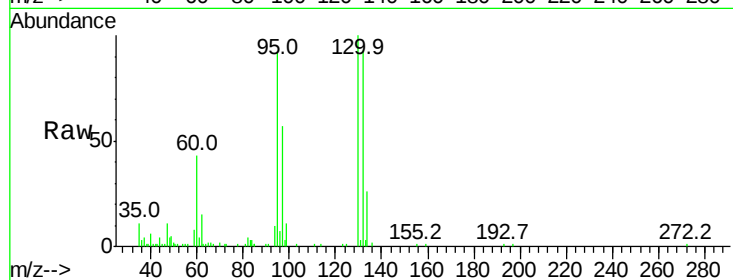
Ion Ratio Lower Upper

95 100

97 61.4 47.2 87.6

132 100.6 74.1 137.7

130 108.2 77.5 143.9

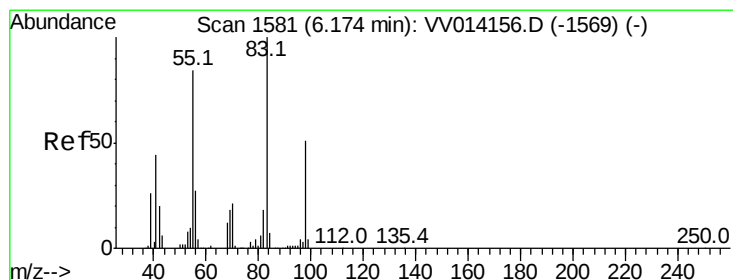
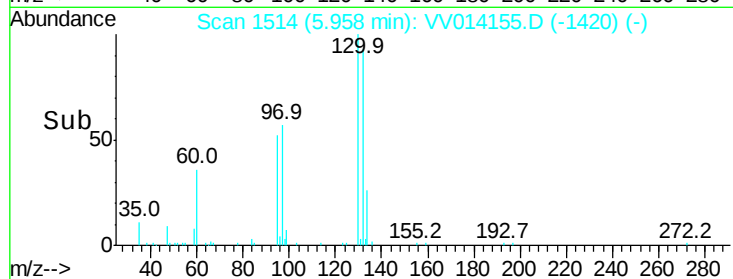
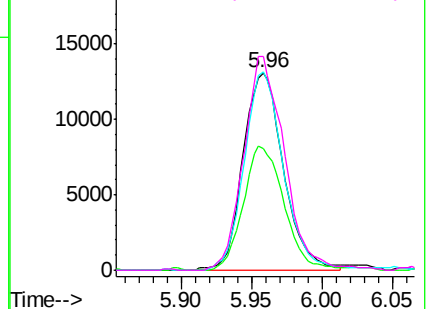


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 1.002 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV014155.D

Acq: 23 Dec 2019 11:30

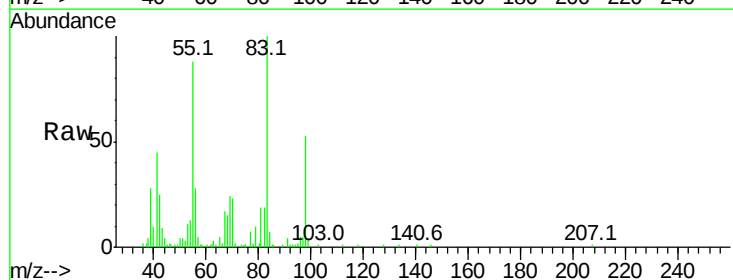
Tgt Ion: 83 Resp: 33924

Ion Ratio Lower Upper

83 100

55 83.3 65.3 97.9

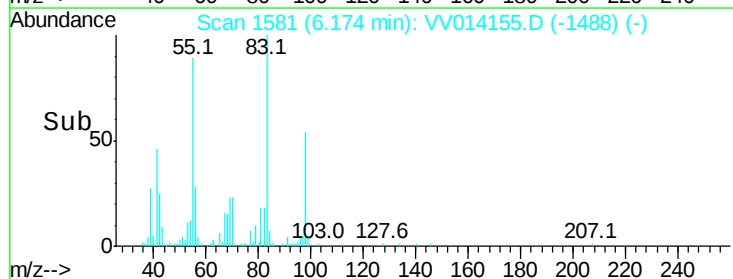
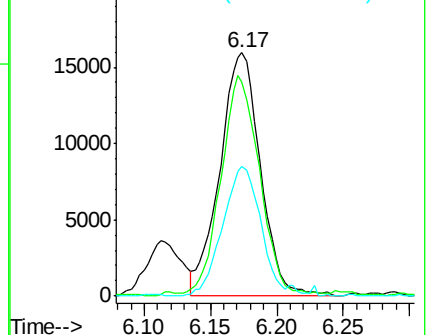
98 49.6 39.2 58.8

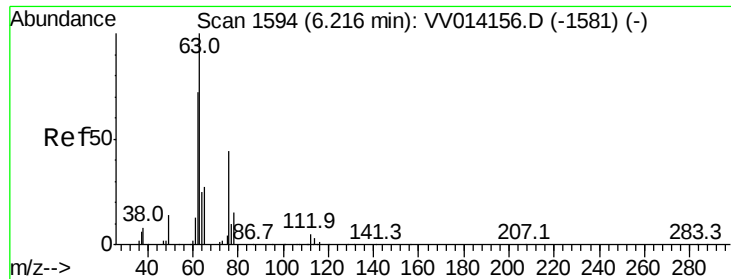


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 1.014 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. 0.00 min

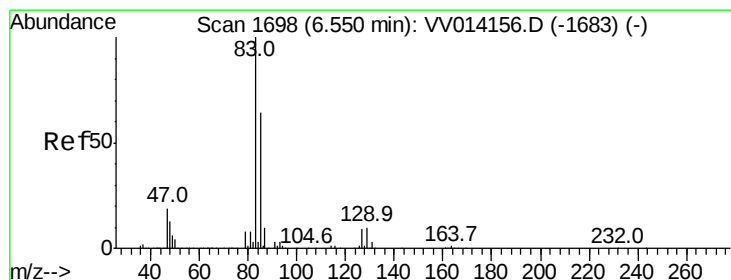
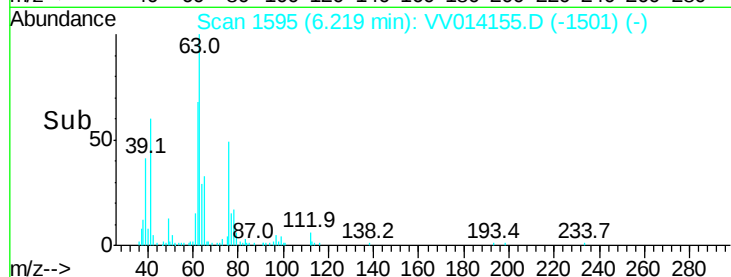
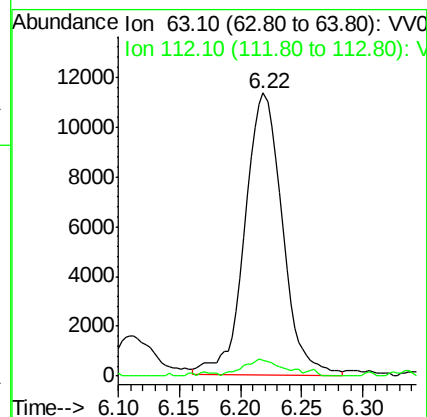
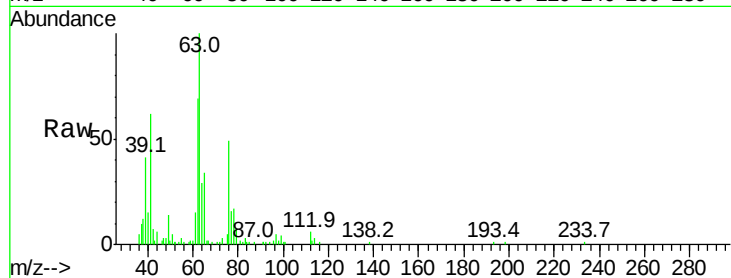
Lab File: VV014155.D

Acq: 23 Dec 2019 11:30

Instrument :
MSVOA_V
ClientSampleId :
VSTD00134

Tgt Ion: 63 Resp: 23972

Ion	Ratio	Lower	Upper
63	100		
112	5.7	4.0	6.0



#38

Bromodichloromethane

Concen: 1.014 ug/L

RT: 6.55 min Scan# 1699

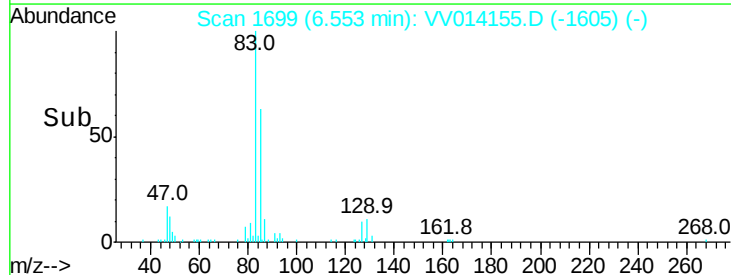
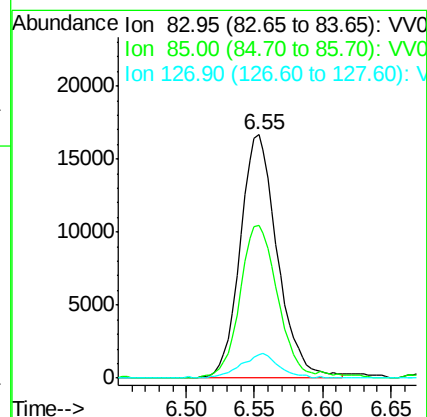
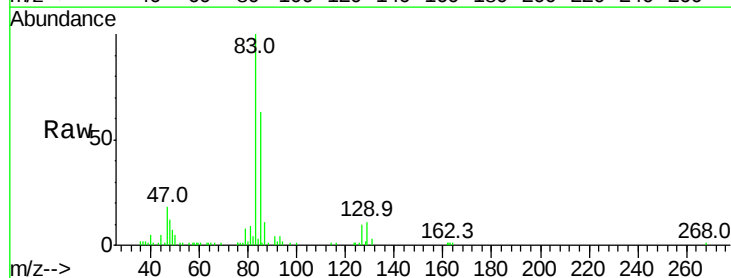
Delta R.T. 0.00 min

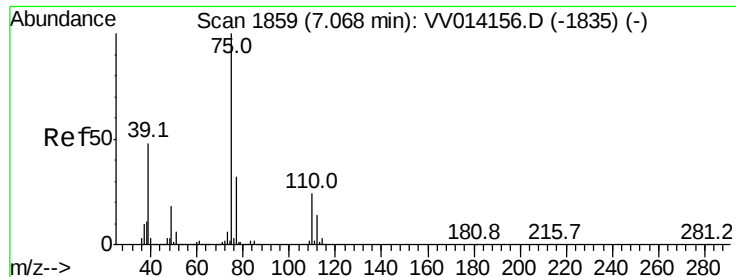
Lab File: VV014155.D

Acq: 23 Dec 2019 11:30

Tgt Ion: 83 Resp: 31635

Ion	Ratio	Lower	Upper
83	100		
85	62.7	44.5	82.7
127	9.7	7.2	10.8





#39

cis-1,3-Dichloropropene

Concen: 0.872 ug/L

RT: 7.07 min Scan# 1859

Delta R.T. -0.00 min

Lab File: VV014155.D

Acq: 23 Dec 2019 11:30

Instrument :

MSVOA_V

ClientSampleId :

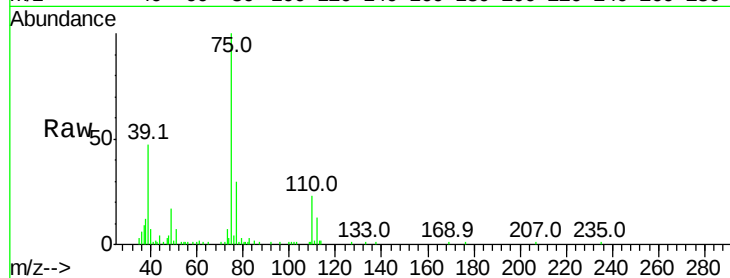
VSTD00134

Tgt Ion: 75 Resp: 29257

Ion Ratio Lower Upper

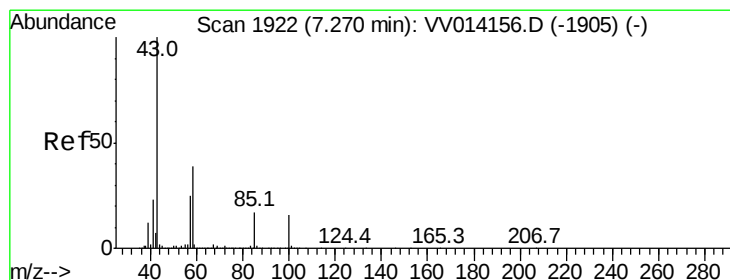
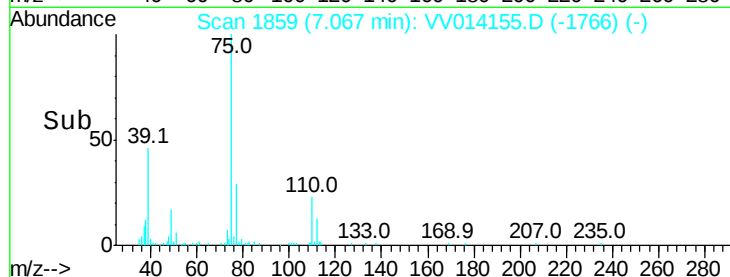
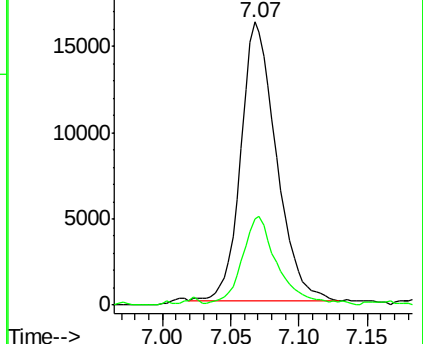
75 100

77 30.3 22.6 42.0



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#40

4-Methyl-2-pentanone

Concen: 8.128 ug/L

RT: 7.27 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VV014155.D

Acq: 23 Dec 2019 11:30

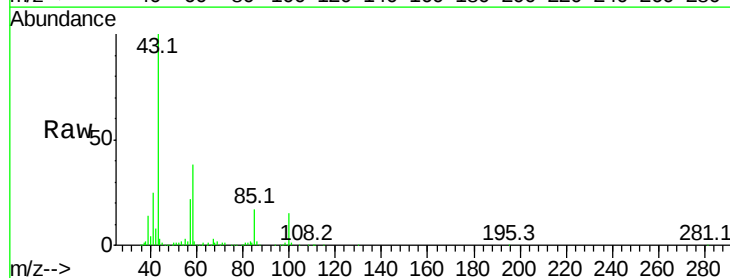
Tgt Ion: 43 Resp: 112119

Ion Ratio Lower Upper

43 100

58 37.8 30.8 46.2

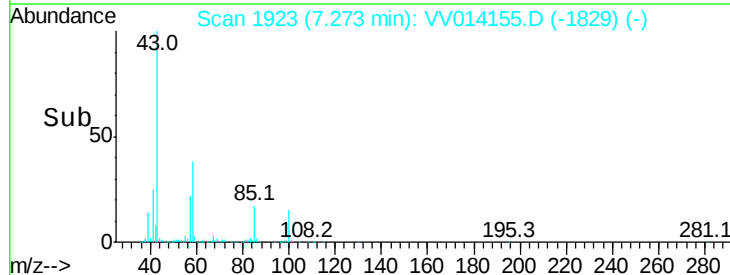
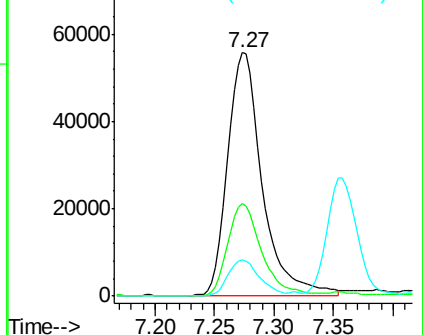
100 13.6 12.3 18.5

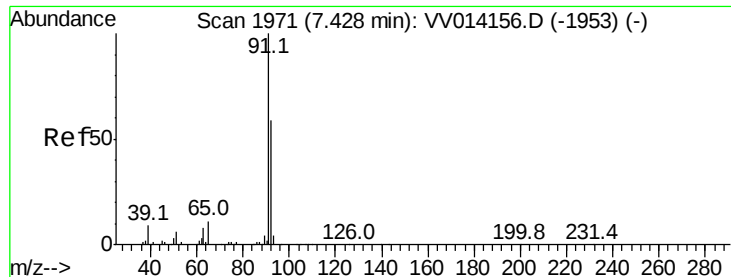


Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 100.15 (99.85 to 100.85): VV0





#42

Toluene

Concen: 0.941 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV014155.D

Acq: 23 Dec 2019 11:30

Instrument :

MSVOA_V

ClientSampleId :

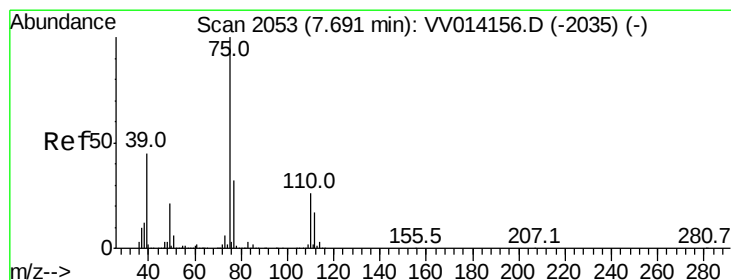
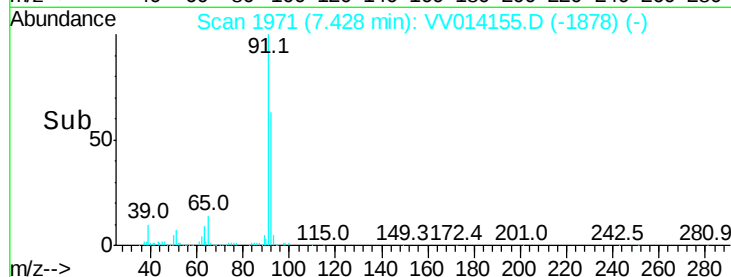
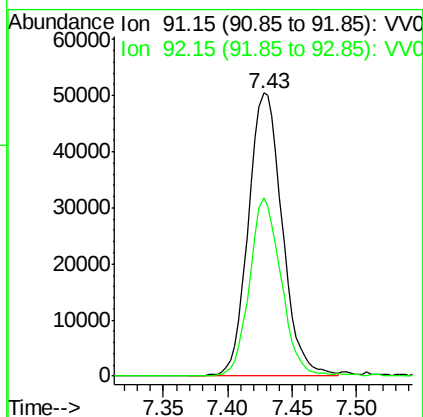
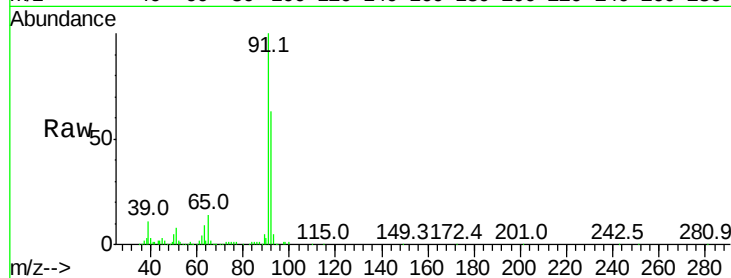
VSTD00134

Tgt Ion: 91 Resp: 92805

Ion Ratio Lower Upper

91 100

92 63.0 41.2 76.6



#44

trans-1,3-Dichloropropene

Concen: 0.936 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV014155.D

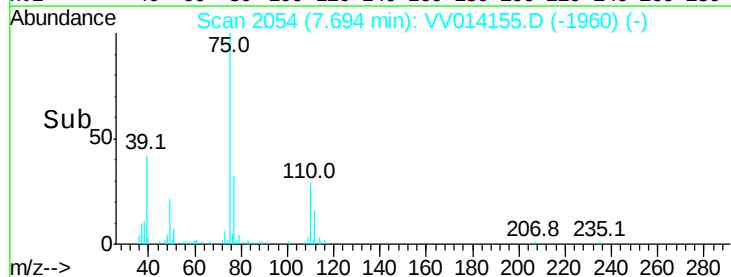
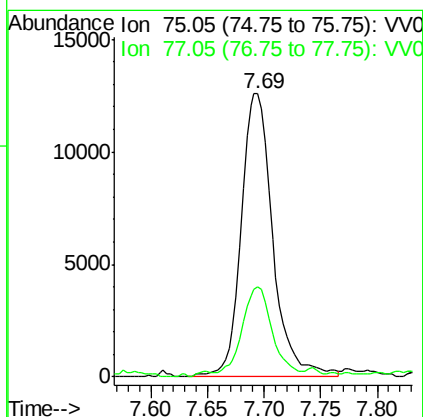
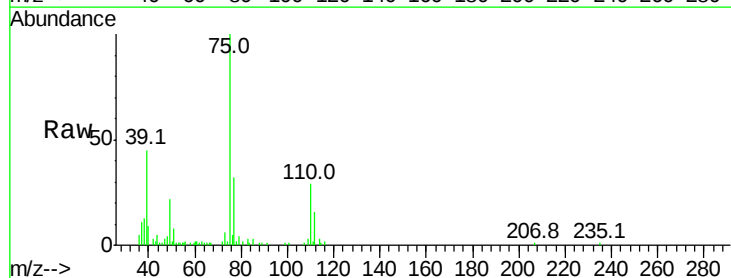
Acq: 23 Dec 2019 11:30

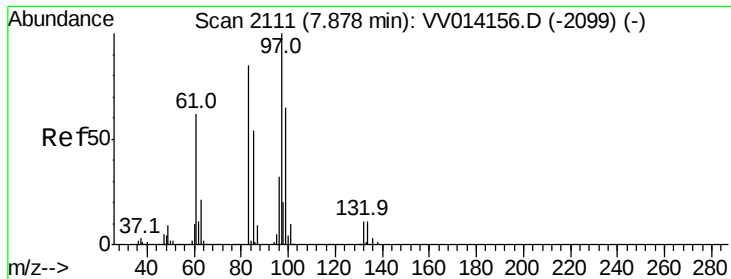
Tgt Ion: 75 Resp: 24570

Ion Ratio Lower Upper

75 100

77 31.8 22.8 42.4





#45

1,1,2-Trichloroethane

Concen: 0.974 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VV014155.D

Acq: 23 Dec 2019 11:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD00134

Tgt Ion: 97 Resp: 16408

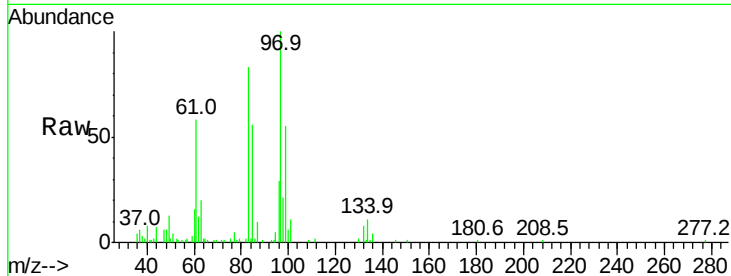
Ion Ratio Lower Upper

97 100

99 55.2 45.8 85.2

83 83.2 59.5 110.5

85 55.8 38.1 70.9

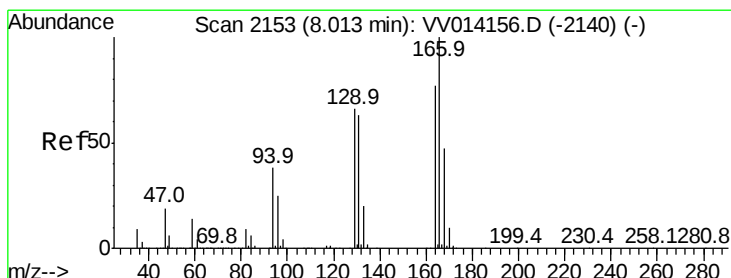
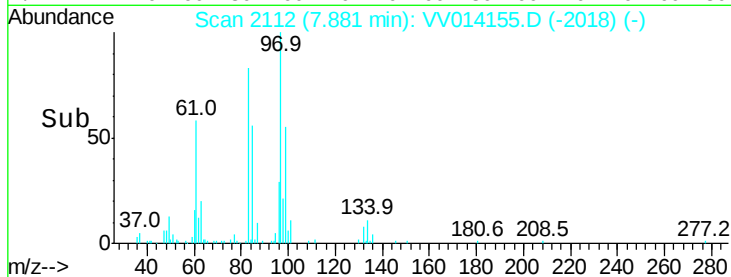
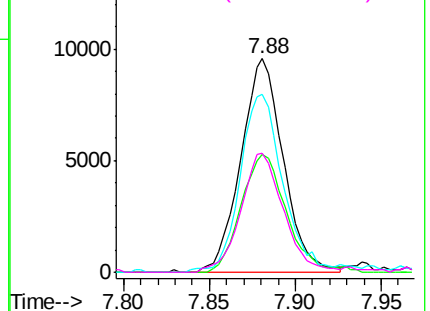


Abundance Ion 96.95 (96.65 to 97.65): VV014155.D (-2099) (-)

Ion 99.05 (98.75 to 99.75): VV014155.D (-2099) (-)

Ion 82.95 (82.65 to 83.65): VV014155.D (-2099) (-)

Ion 85.00 (84.70 to 85.70): VV014155.D (-2099) (-)



#47

Tetrachloroethene

Concen: 1.002 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV014155.D

Acq: 23 Dec 2019 11:30

Tgt Ion: 164 Resp: 22074

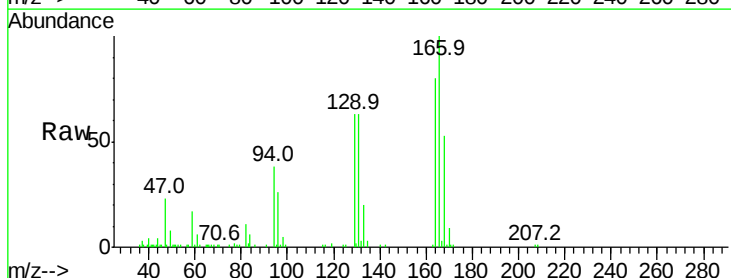
Ion Ratio Lower Upper

164 100

129 78.3 60.1 111.5

131 78.6 57.3 106.5

166 124.2 90.7 168.5

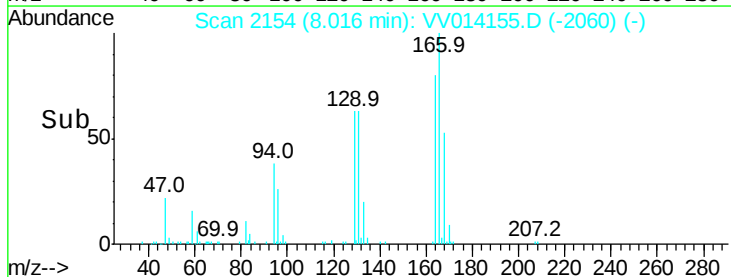
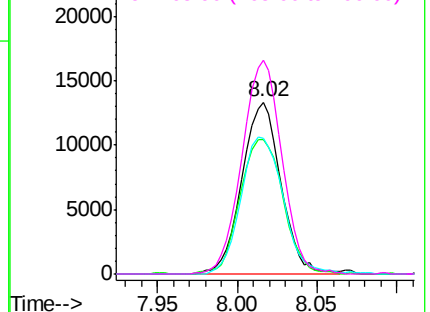


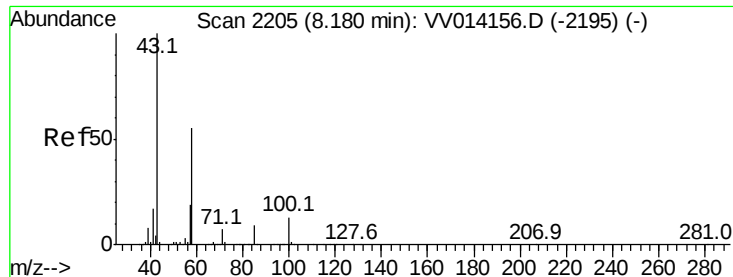
Abundance Ion 163.90 (163.60 to 164.60): VV014155.D (-2060) (-)

Ion 128.95 (128.65 to 129.65): VV014155.D (-2060) (-)

Ion 130.95 (130.65 to 131.65): VV014155.D (-2060) (-)

Ion 165.90 (165.60 to 166.60): VV014155.D (-2060) (-)

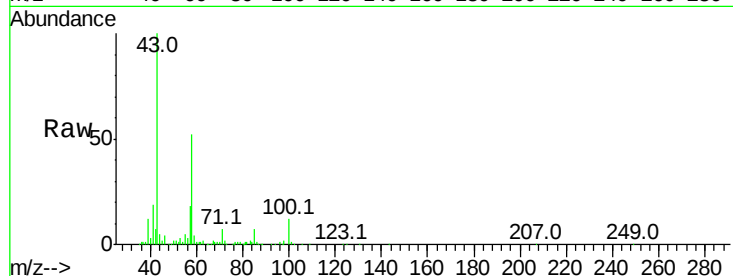




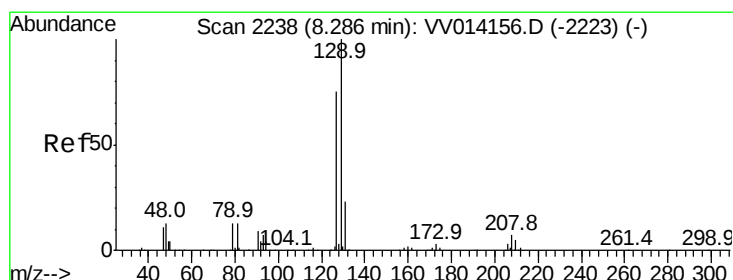
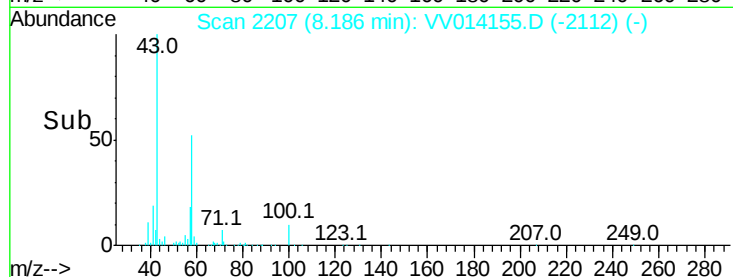
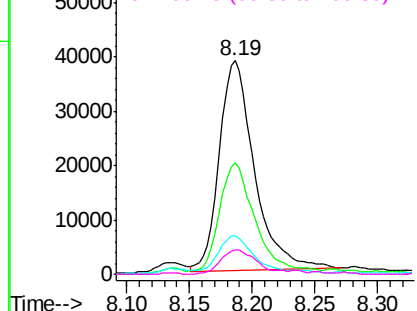
#48
2-Hexanone
Concen: 7.671 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.01 min
Lab File: VV014155.D
Acq: 23 Dec 2019 11:30

Instrument :
MSVOA_V
ClientSampleId :
VSTD00134

Tgt Ion:	43	Resp:	75526
Ion	Ratio	Lower	Upper
43	100		
58	51.5	43.2	64.8
57	16.2	14.8	22.2
100	12.2	9.7	14.5

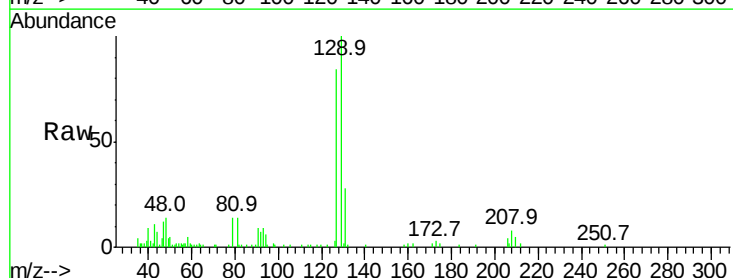


Abundance Ion 43.05 (42.75 to 43.75): VV014155.D (-2112) (-)
Ion 58.05 (57.75 to 58.75): VV014155.D (-2112) (-)
Ion 57.20 (56.90 to 57.90): VV014155.D (-2112) (-)
Ion 100.15 (99.85 to 100.85): VV014155.D (-2112) (-)

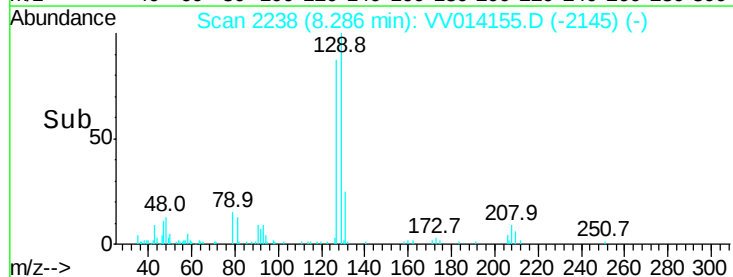
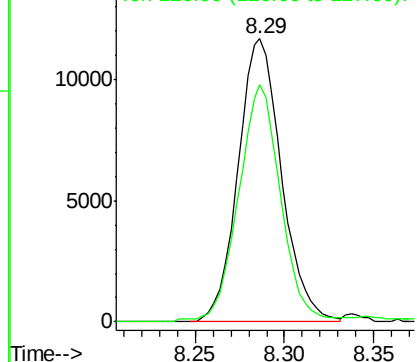


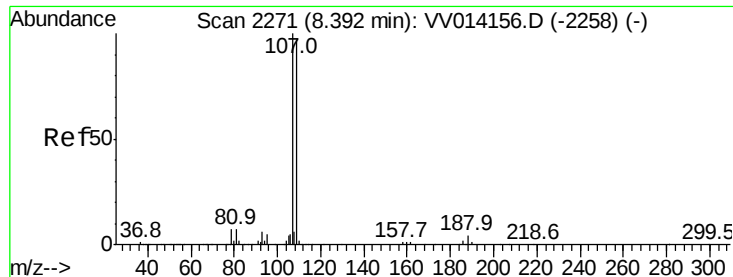
#49
Dibromochloromethane
Concen: 0.915 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. -0.00 min
Lab File: VV014155.D
Acq: 23 Dec 2019 11:30

Tgt Ion:	129	Resp:	19761
Ion	Ratio	Lower	Upper
129	100		
127	83.7	52.6	97.6



Abundance Ion 128.95 (128.65 to 129.65): VV014155.D (-2145) (-)
Ion 126.90 (126.60 to 127.60): VV014155.D (-2145) (-)

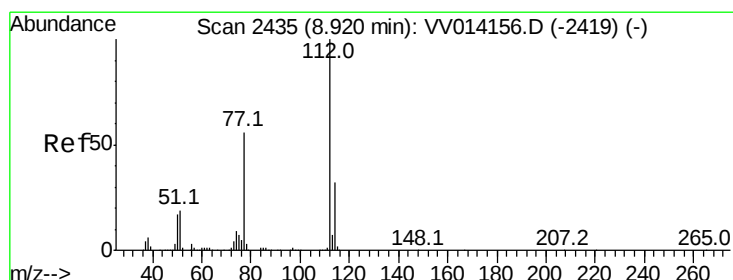
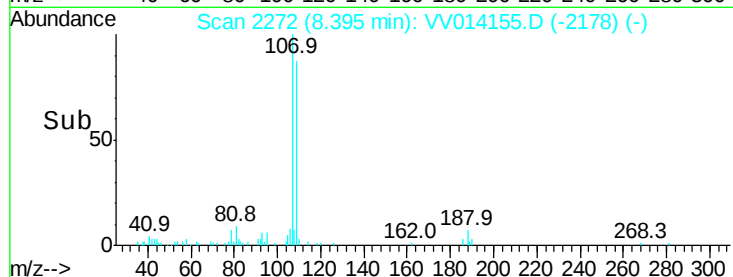
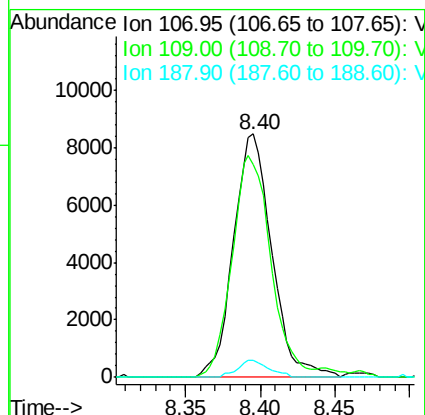
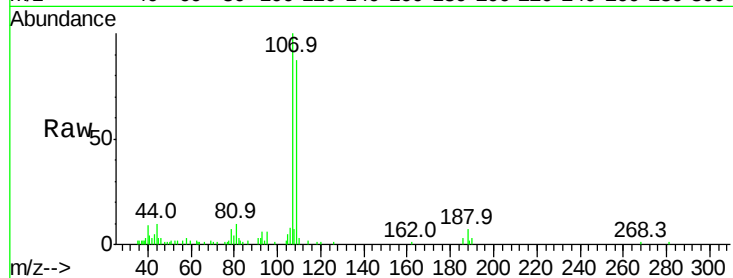




#50
1,2-Dibromoethane
Concen: 0.991 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV014155.D
Acq: 23 Dec 2019 11:30

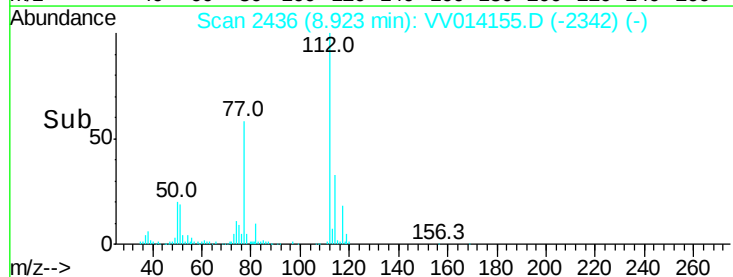
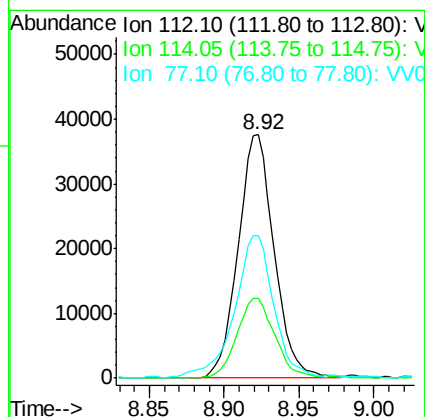
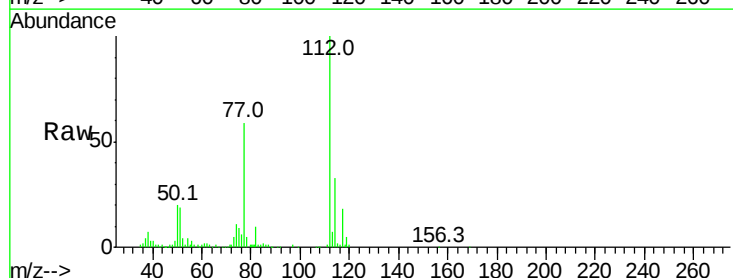
Instrument :
MSVOA_V
ClientSampleId :
VSTD00134

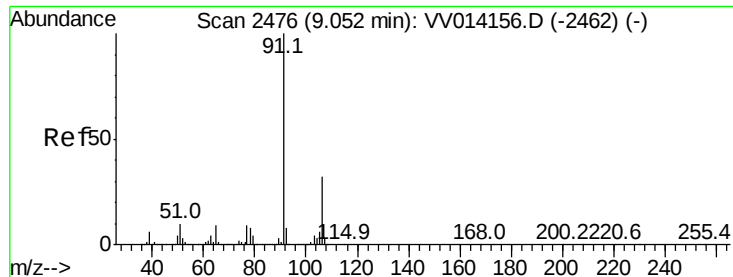
Tgt Ion:107 Resp: 15124
Ion Ratio Lower Upper
107 100
109 87.2 68.1 126.5
188 6.8 3.2 4.8#



#51
Chlorobenzene
Concen: 0.920 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV014155.D
Acq: 23 Dec 2019 11:30

Tgt Ion:112 Resp: 63127
Ion Ratio Lower Upper
112 100
114 32.6 22.3 41.5
77 58.5 45.1 67.7





#52

Ethylbenzene

Concen: 0.842 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. -0.00 min

Lab File: VV014155.D

Acq: 23 Dec 2019 11:30

Instrument :

MSVOA_V

ClientSampleId :

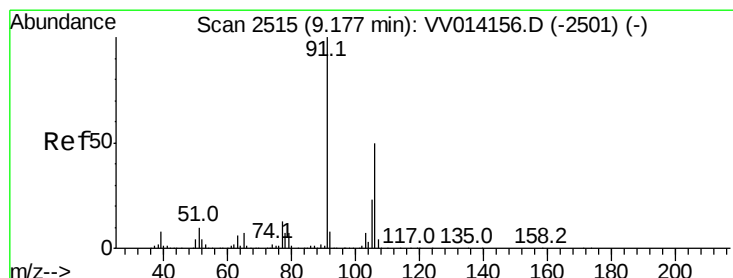
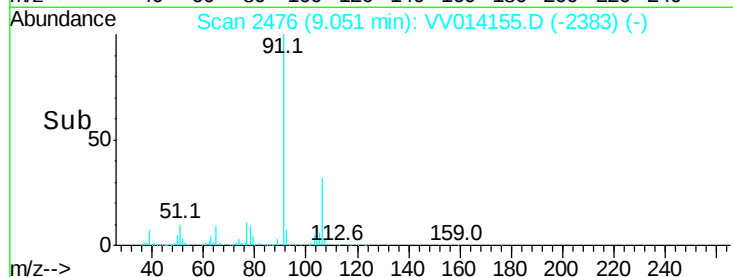
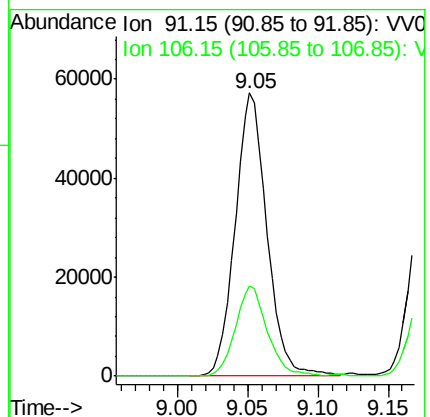
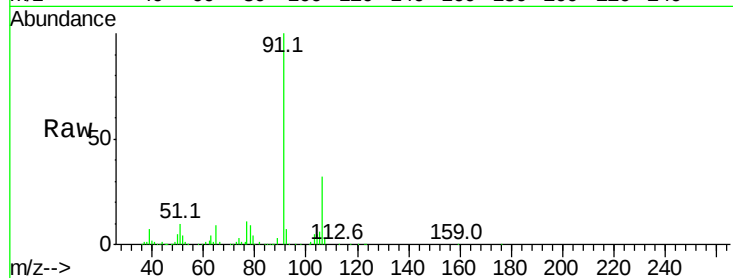
VSTD00134

Tgt Ion: 91 Resp: 90268

Ion Ratio Lower Upper

91 100

106 31.7 22.0 41.0



#53

m,p-xylene

Concen: 0.812 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV014155.D

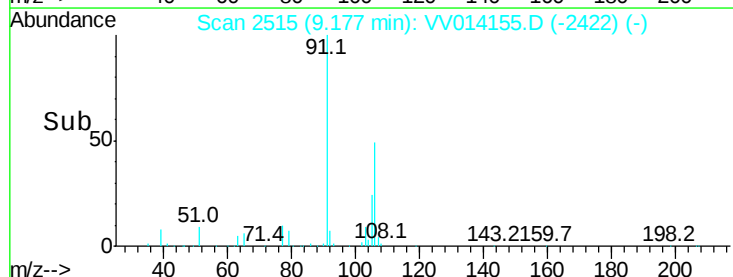
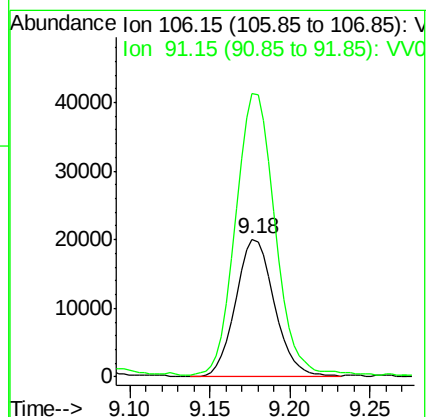
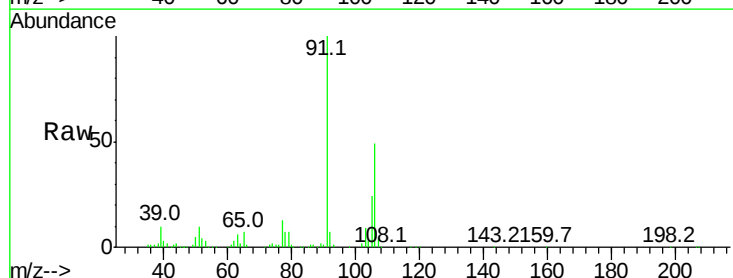
Acq: 23 Dec 2019 11:30

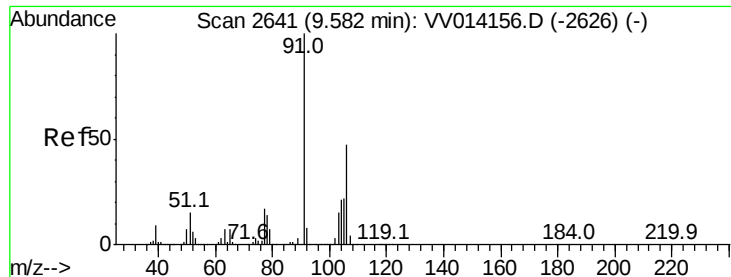
Tgt Ion: 106 Resp: 33163

Ion Ratio Lower Upper

106 100

91 205.7 141.1 262.1





#54

o-xylene

Concen: 0.792 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV014155.D

Acq: 23 Dec 2019 11:30

Instrument :

MSVOA_V

ClientSampleId :

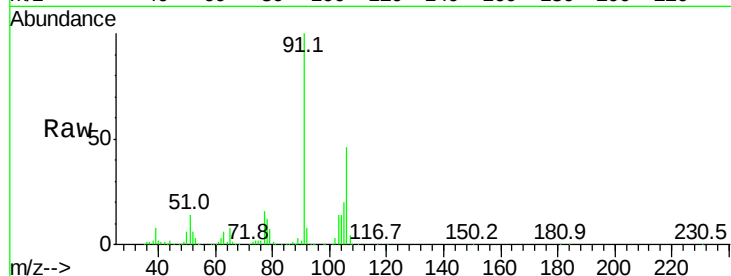
VSTD00134

Tgt Ion:106 Resp: 31606

Ion Ratio Lower Upper

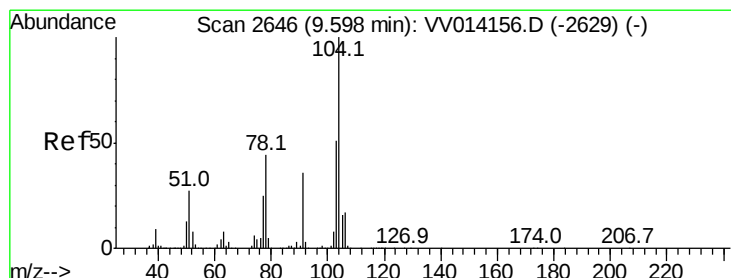
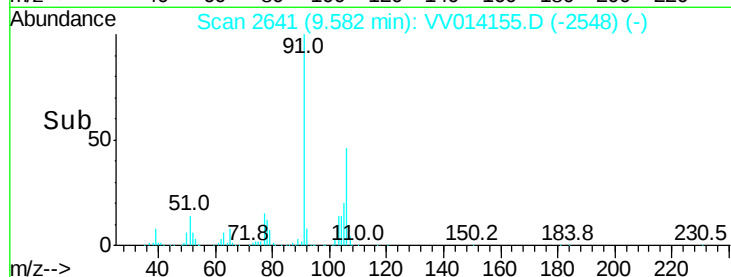
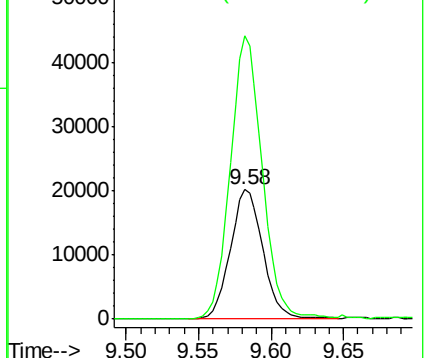
106 100

91 218.2 149.0 276.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 0.763 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV014155.D

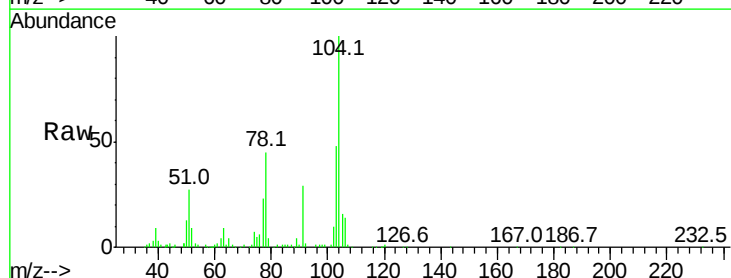
Acq: 23 Dec 2019 11:30

Tgt Ion:104 Resp: 52565

Ion Ratio Lower Upper

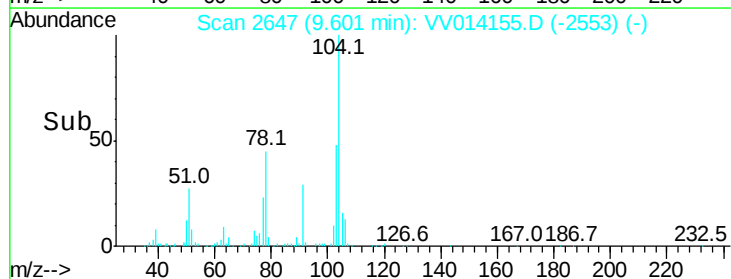
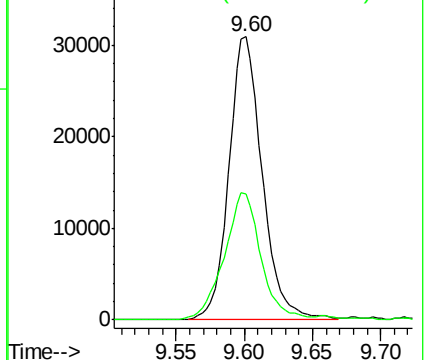
104 100

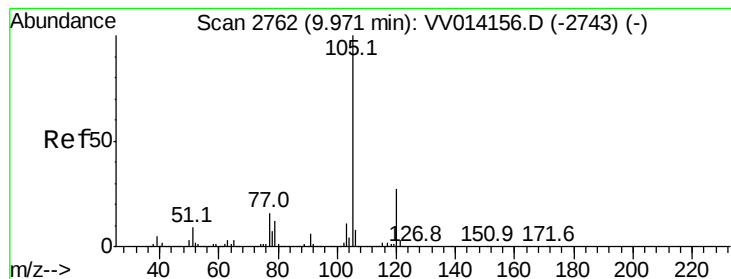
78 44.7 30.5 56.7



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 0.749 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. -0.00 min

Lab File: VV014155.D

Acq: 23 Dec 2019 11:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD00134

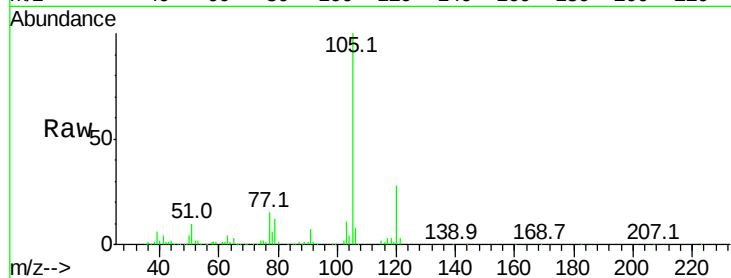
Tgt Ion:105 Resp: 81419

Ion Ratio Lower Upper

105 100

120 27.6 21.1 31.7

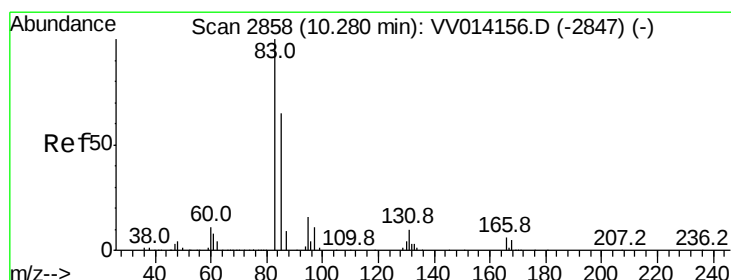
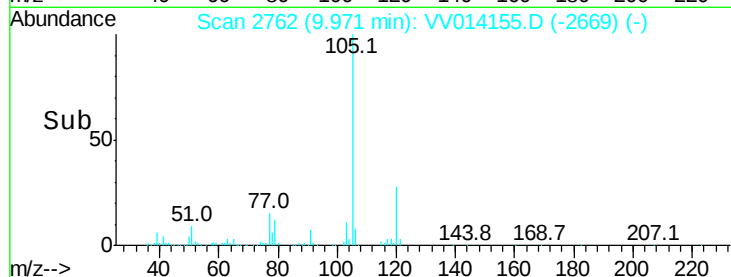
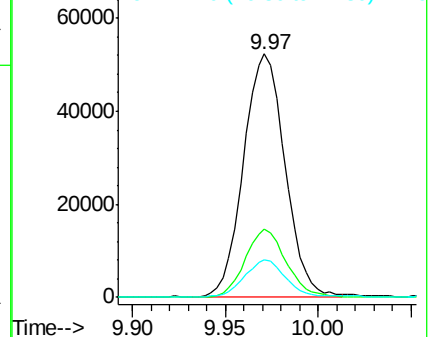
77 15.9 12.4 18.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 0.998 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. -0.00 min

Lab File: VV014155.D

Acq: 23 Dec 2019 11:30

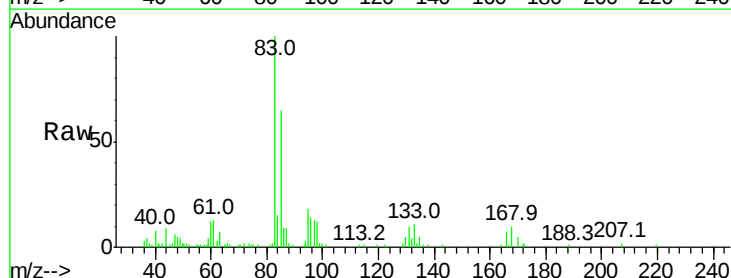
Tgt Ion: 83 Resp: 18467

Ion Ratio Lower Upper

83 100

85 65.1 46.3 86.1

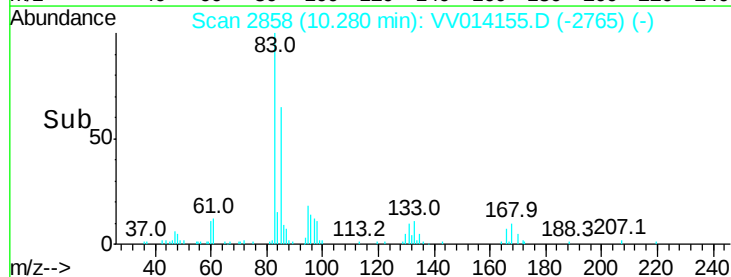
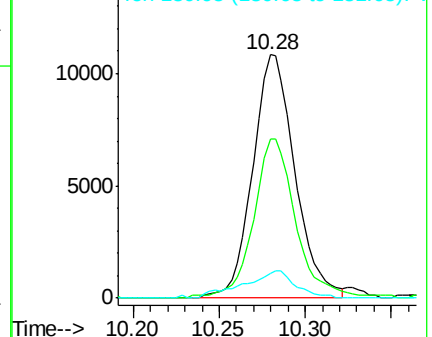
131 10.1 8.9 13.3

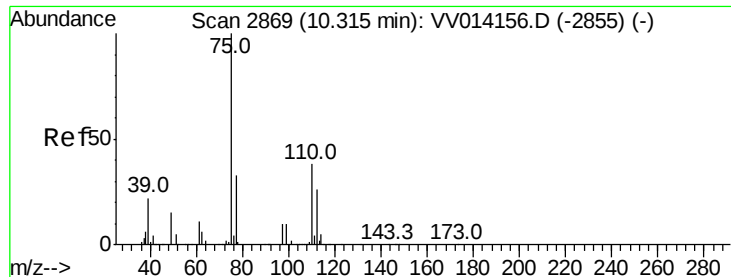


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 0.956 ug/L

RT: 10.31 min Scan# 2869

Delta R.T. -0.00 min

Lab File: VV014155.D

Acq: 23 Dec 2019 11:30

Instrument :

MSVOA_V

ClientSampleId :

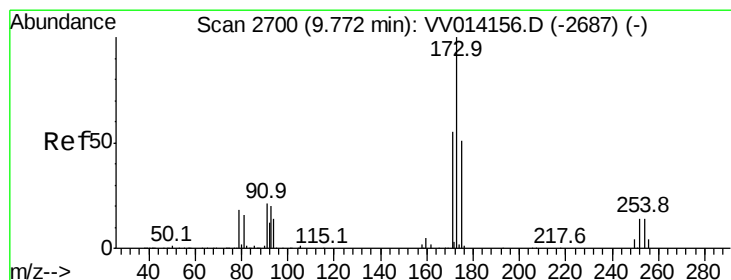
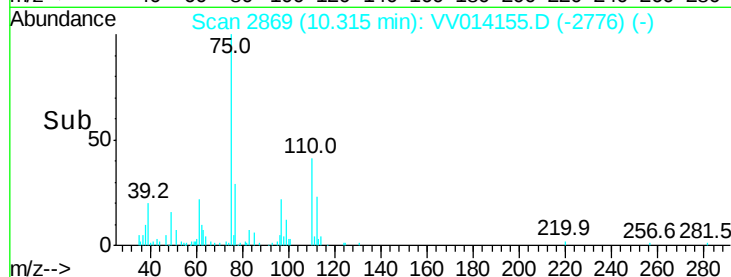
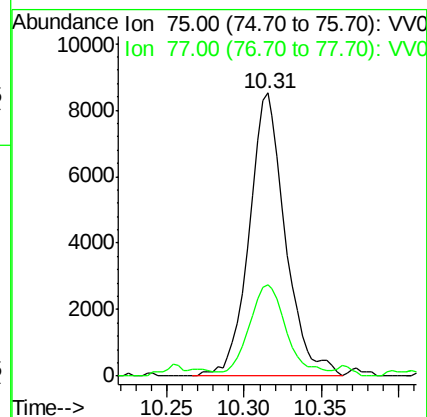
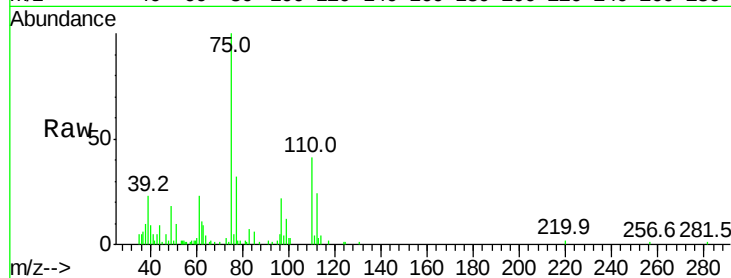
VSTD00134

Tgt Ion: 75 Resp: 13869

Ion Ratio Lower Upper

75 100

77 30.7 25.9 38.9



#61

Bromoform

Concen: 0.985 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. -0.00 min

Lab File: VV014155.D

Acq: 23 Dec 2019 11:30

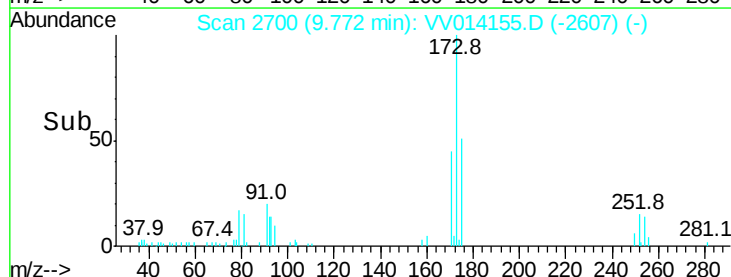
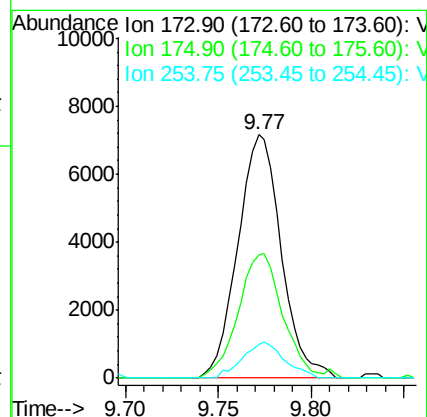
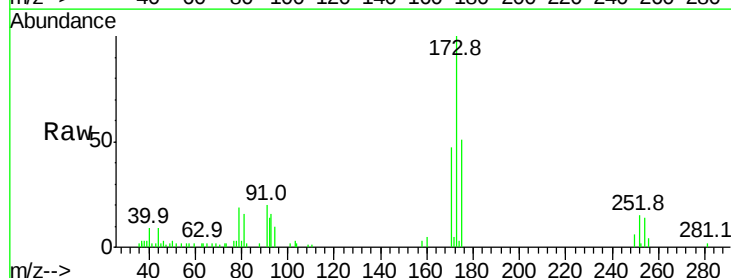
Tgt Ion: 173 Resp: 11637

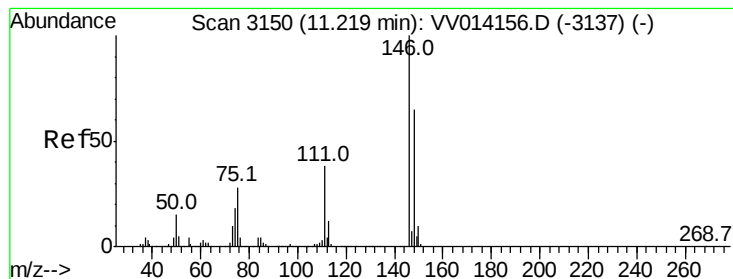
Ion Ratio Lower Upper

173 100

175 52.2 39.3 58.9

254 14.4 10.3 15.5





#62

1,3-Dichlorobenzene

Concen: 0.874 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. 0.00 min

Lab File: VV014155.D

Acq: 23 Dec 2019 11:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD00134

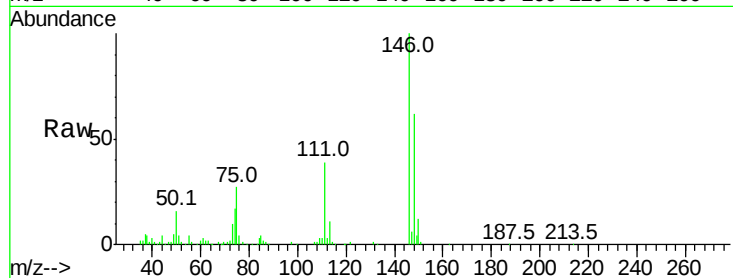
Tgt Ion:146 Resp: 47665

Ion Ratio Lower Upper

146 100

111 38.6 26.5 49.1

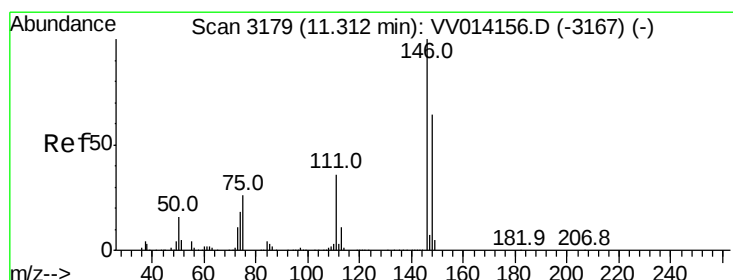
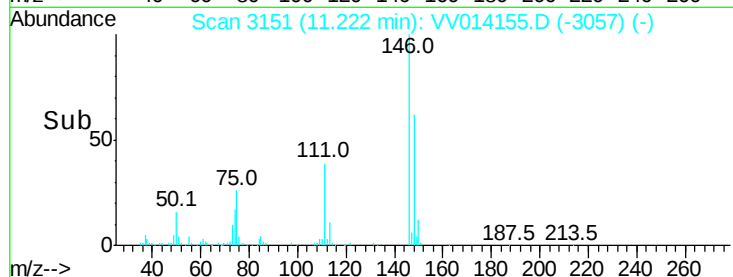
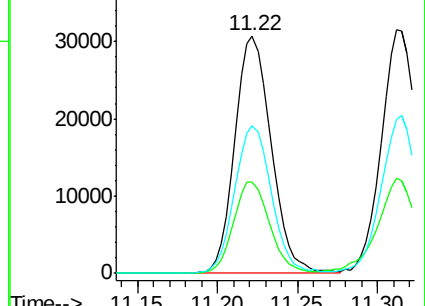
148 62.2 45.7 84.9



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: 0.885 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. -0.00 min

Lab File: VV014155.D

Acq: 23 Dec 2019 11:30

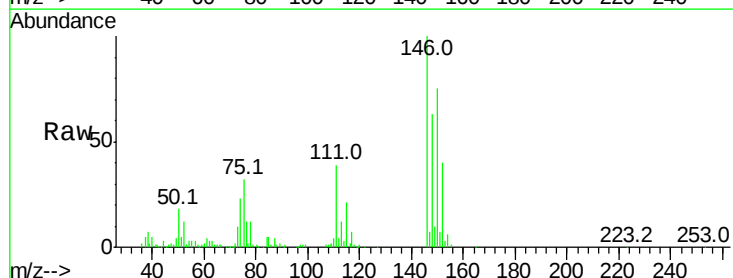
Tgt Ion:146 Resp: 49128

Ion Ratio Lower Upper

146 100

111 38.8 25.7 47.7

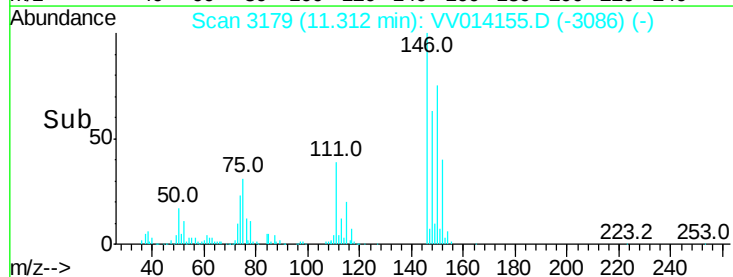
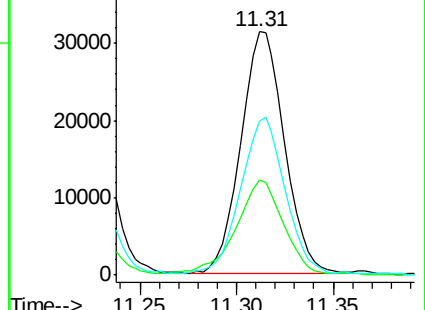
148 63.4 45.1 83.7

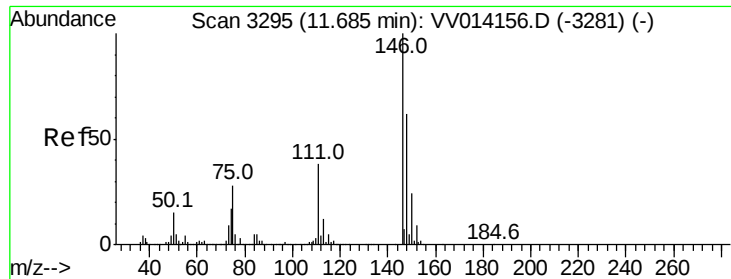


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

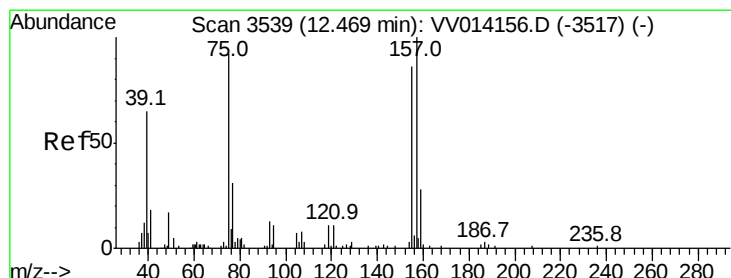
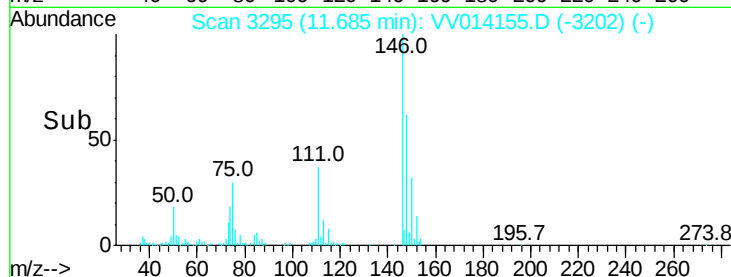
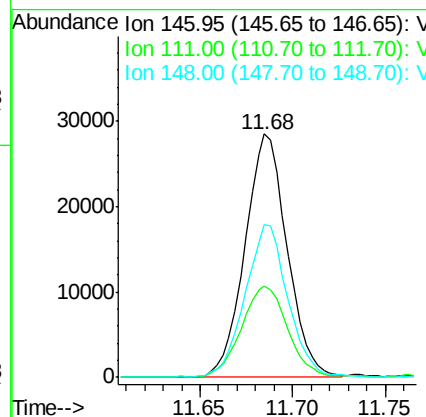
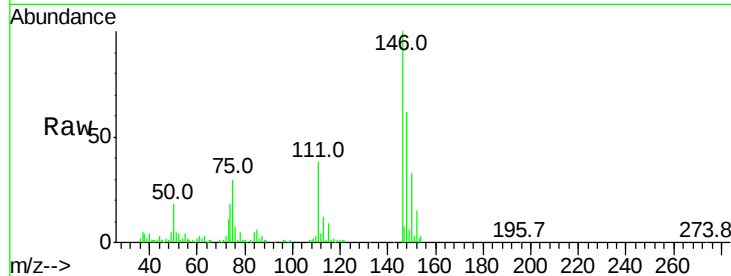




#65
 1,2-Dichlorobenzene
 Concen: 0.887 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. -0.00 min
 Lab File: VV014155.D
 Acq: 23 Dec 2019 11:30

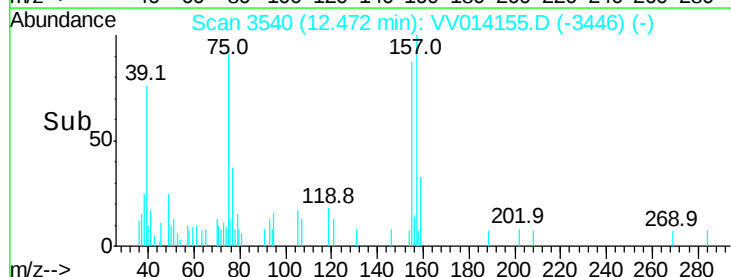
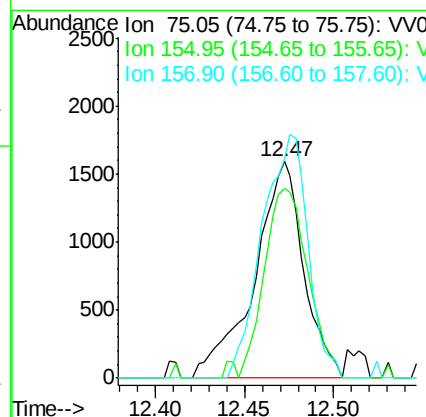
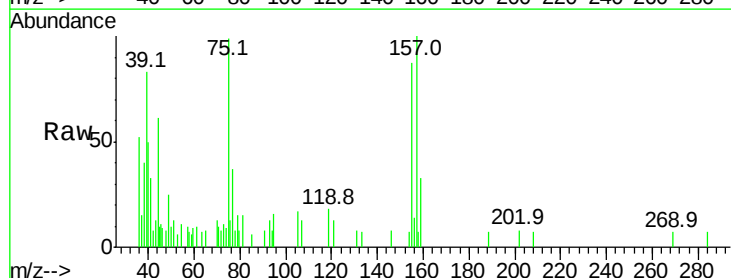
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00134

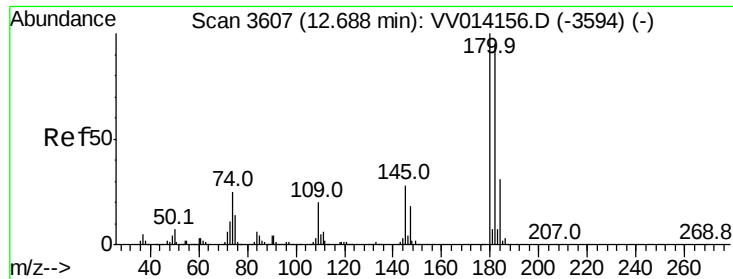
Tgt Ion:146 Resp: 44903
 Ion Ratio Lower Upper
 146 100
 111 37.5 30.7 46.1
 148 62.5 49.4 74.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.043 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. 0.00 min
 Lab File: VV014155.D
 Acq: 23 Dec 2019 11:30

Tgt Ion: 75 Resp: 3068
 Ion Ratio Lower Upper
 75 100
 155 87.9 75.0 112.6
 157 101.1 87.4 131.0

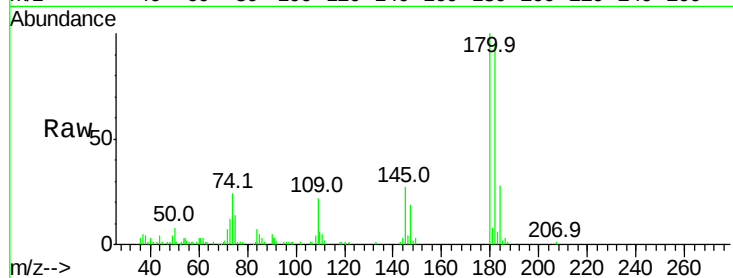




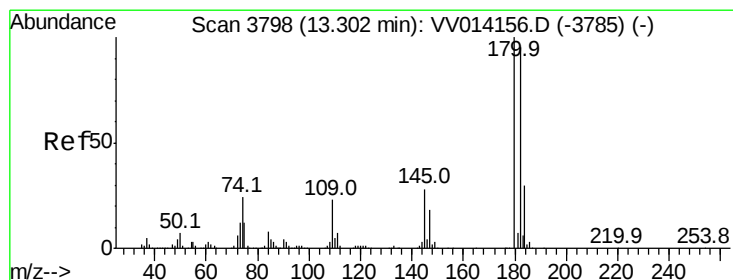
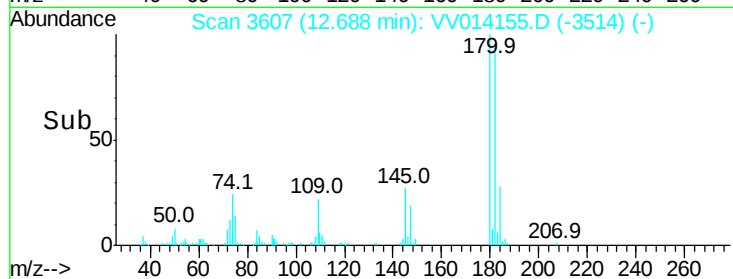
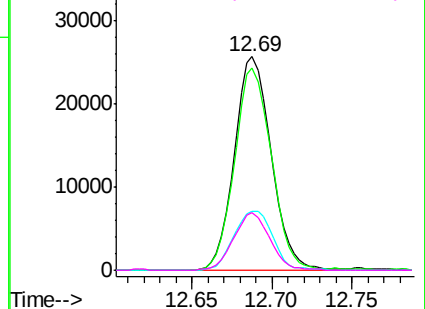
#67
 1,3,5-Trichlorobenzene
 Concen: 0.871 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VV014155.D
 Acq: 23 Dec 2019 11:30

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00134

Tgt Ion:	180	Resp:	40128
Ion	Ratio	Lower	Upper
180	100		
182	94.6	75.9	113.9
184	29.2	24.4	36.6
145	26.4	21.8	32.6

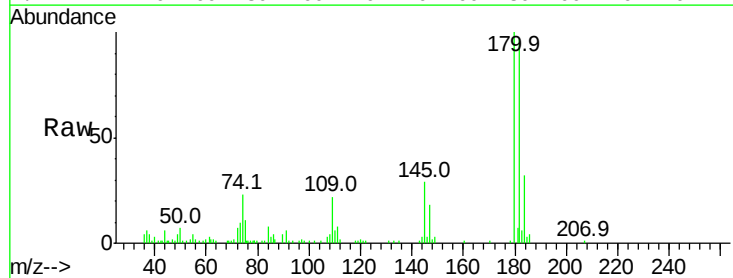


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

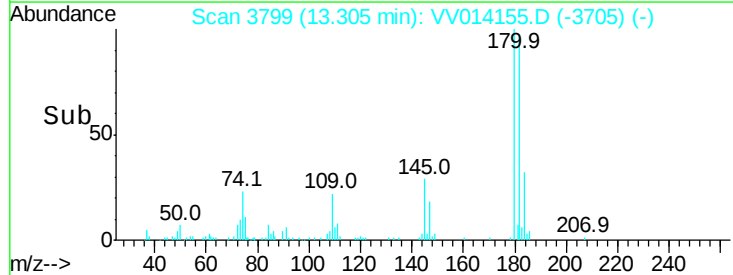
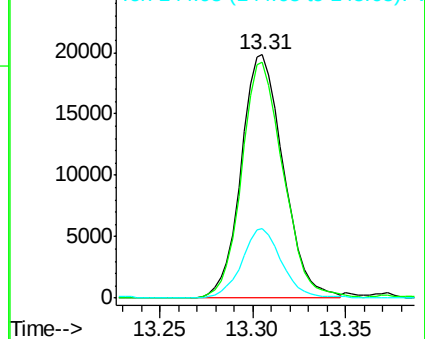


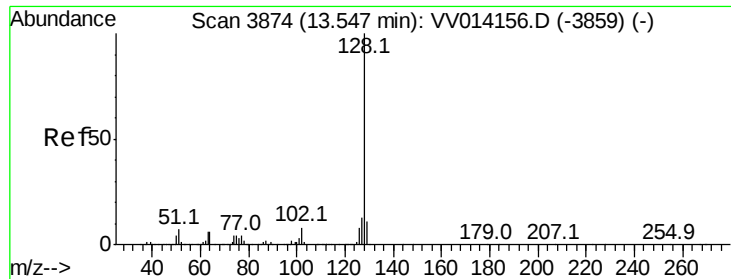
#68
 1,2,4-trichlorobenzene
 Concen: 0.832 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV014155.D
 Acq: 23 Dec 2019 11:30

Tgt Ion:	180	Resp:	31422
Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.9	115.3
145	27.0	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: 0.653 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. -0.00 min

Lab File: VV014155.D

Acq: 23 Dec 2019 11:30

Instrument :

MSVOA_V

ClientSampled :

VSTD00134

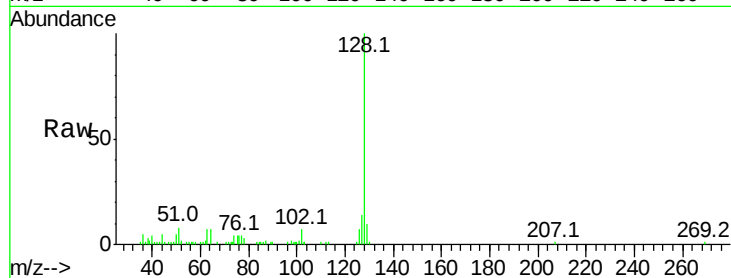
Tgt Ion:128 Resp: 33599

Ion Ratio Lower Upper

128 100

129 10.8 8.6 12.8

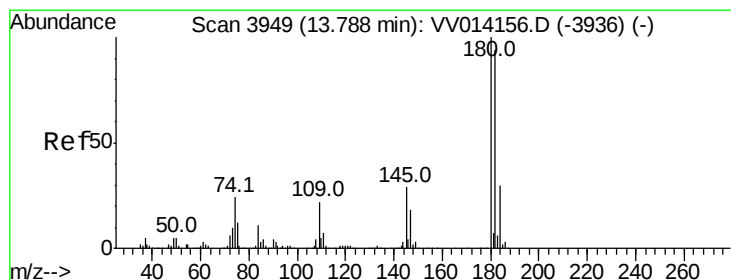
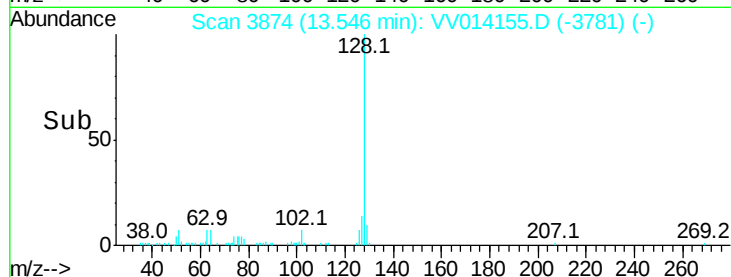
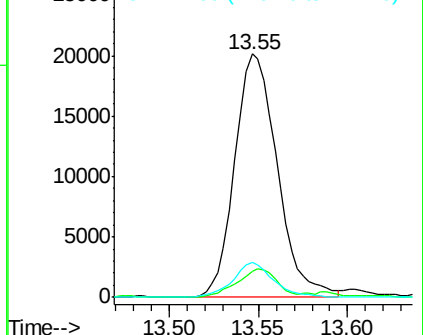
127 13.6 10.8 16.2



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: 0.816 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VV014155.D

Acq: 23 Dec 2019 11:30

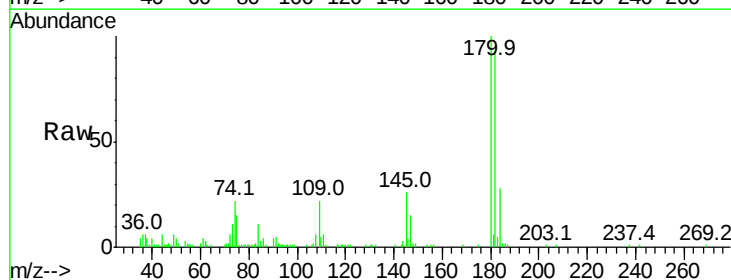
Tgt Ion:180 Resp: 28092

Ion Ratio Lower Upper

180 100

182 95.9 75.4 113.0

145 28.4 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

