

Data File : VV014156.D
Acq On : 23 Dec 2019 11:54
Operator : SY/MD
Sample : VSTD005
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00535

Quant Time: Dec 23 12:14:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR122319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Dec 23 10:55:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	373576	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	363203	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	193295	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	140256	6.07	ug/L	0.00
7) Chloroethane-d5	1.58	69	116002	5.91	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	239189	6.14	ug/L	0.00
20) 2-Butanone-d5	3.95	46	267838	55.72	ug/L	0.00
24) Chloroform-d	4.40	84	265688	5.70	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	127585	5.75	ug/L	0.00
32) Benzene-d6	5.09	84	528735	5.64	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.11	67	154372	5.53	ug/L	0.00
41) Toluene-d8	7.35	98	498011	5.66	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	59989	5.52	ug/L	0.00
46) 2-Hexanone-d5	8.13	63	224967	56.11	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.25	84	111235	5.74	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	173940	5.10	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	169842	6.826 ug/L	97
3) Chloromethane	1.25	50	171121	7.832 ug/L	99
5) Vinyl chloride	1.32	62	160538	7.193 ug/L	97
6) Bromomethane	1.53	94	87993	7.488 ug/L	98
8) Chloroethane	1.60	64	94504	7.027 ug/L	99
9) Trichlorofluoromethane	1.77	101	219196	6.325 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	120780	5.865 ug/L	99
12) 1,1-Dichloroethene	2.14	96	118222	6.582 ug/L	91
13) Acetone	2.21	43	184013	54.745 ug/L #	61
14) Carbon disulfide	2.32	76	402812	9.714 ug/L	98
15) Methyl Acetate	2.47	43	51677	6.867 ug/L	92
16) Methylene chloride	2.53	84	140387	5.706 ug/L	91
17) Methyl tert-butyl Ether	2.80	73	284080	5.779 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	141395	6.971 ug/L	95
19) 1,1-Dichloroethane	3.23	63	259614	6.412 ug/L	99
21) 2-Butanone	4.03	43	278939	54.901 ug/L	100
22) cis-1,2-Dichloroethene	3.96	96	144639	6.081 ug/L #	93
23) Bromochloromethane	4.29	128	66328	6.346 ug/L	93
25) Chloroform	4.42	83	264805	6.169 ug/L	99
27) 1,2-Dichloroethane	5.18	62	153337	6.242 ug/L	96
29) 1,1,1-Trichloroethane	4.65	97	231440	6.229 ug/L	99
30) Cyclohexane	4.72	56	225014	7.249 ug/L	98
31) Carbon tetrachloride	4.87	117	209307	6.403 ug/L	99
33) Benzene	5.14	78	574871	6.453 ug/L	100
34) Trichloroethene	5.96	95	146039	5.942 ug/L	97
35) Methylcyclohexane	6.17	83	227544	6.939 ug/L	95
37) 1,2-Dichloropropane	6.22	63	135998	5.939 ug/L	98
38) Bromodichloromethane	6.55	83	178880	5.921 ug/L	97
39) cis-1,3-Dichloropropene	7.07	75	193414	5.953 ug/L	100
40) 4-Methyl-2-pentanone	7.27	43	776531	58.121 ug/L	98

Data File : VV014156.D
Acq On : 23 Dec 2019 11:54
Operator : SY/MD
Sample : VSTD005
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00535

Quant Time: Dec 23 12:14:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR122319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Dec 23 10:55:37 2019
Response via : Initial Calibration

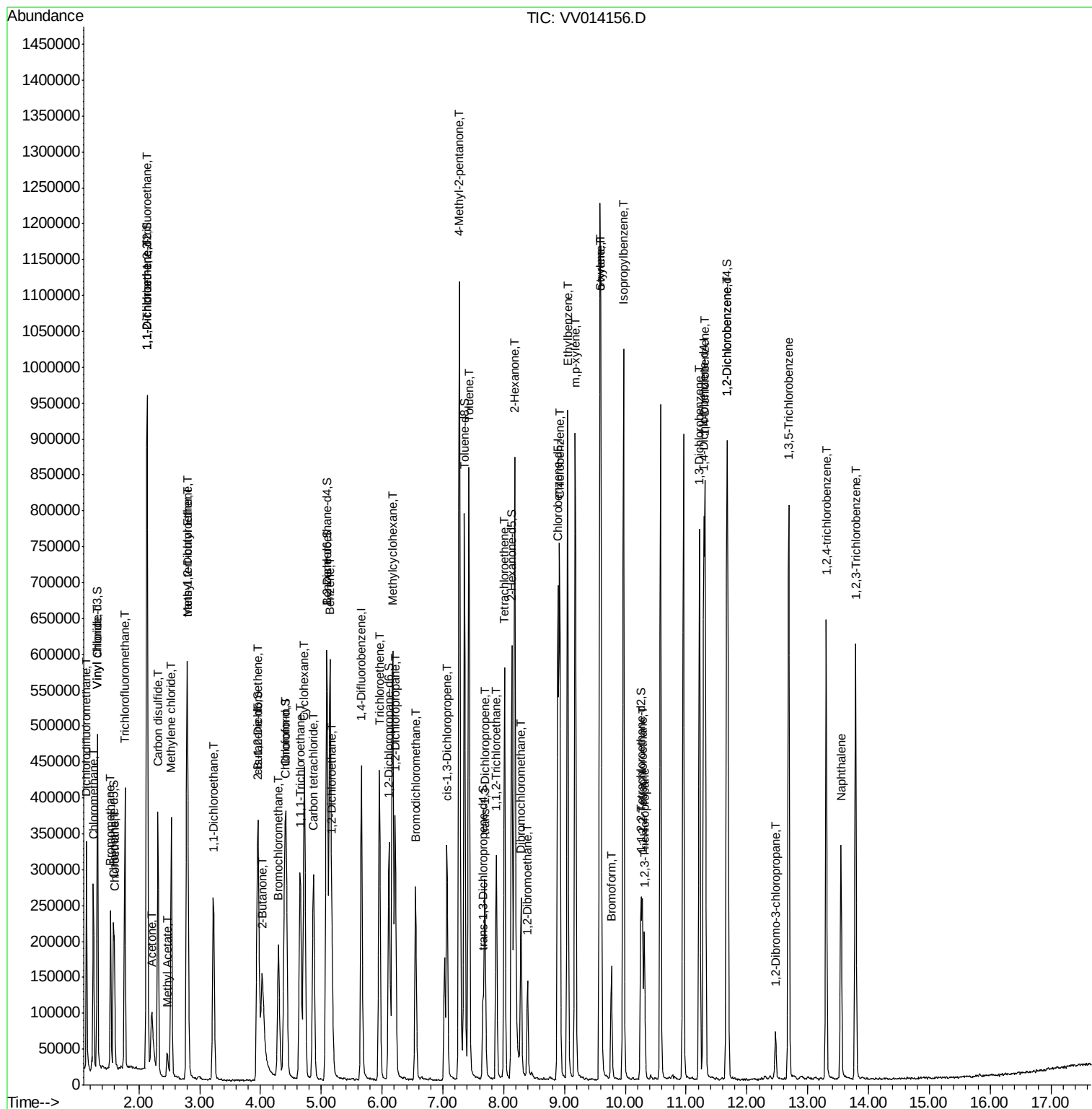
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	618501	6.472	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	153719	6.044	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	95637	5.861	ug/L	99
47) Tetrachloroethene	8.01	164	133753	6.267	ug/L	98
48) 2-Hexanone	8.18	43	596771	62.578	ug/L	99
49) Dibromochloromethane	8.29	129	124676	5.957	ug/L	95
50) 1,2-Dibromoethane	8.39	107	87185	5.900	ug/L #	96
51) Chlorobenzene	8.92	112	389818	5.863	ug/L	99
52) Ethylbenzene	9.05	91	640656	6.171	ug/L	100
53) m,p-xylene	9.18	106	249856	6.313	ug/L	99
54) o-xylene	9.58	106	235332	6.091	ug/L	97
55) Styrene	9.60	104	416088	6.237	ug/L	99
56) Isopropylbenzene	9.97	105	634343	6.025	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	111365	6.211	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	84105	5.984	ug/L	100
61) Bromoform	9.77	173	71575	5.884	ug/L	100
62) 1,3-Dichlorobenzene	11.22	146	315565	5.620	ug/L	98
63) 1,4-Dichlorobenzene	11.31	146	311625	5.452	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	290059	5.566	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.47	75	16823	5.555	ug/L	92
67) 1,3,5-Trichlorobenzene	12.69	180	260693	5.496	ug/L	98
68) 1,2,4-trichlorobenzene	13.30	180	201987	5.193	ug/L	99
69) Naphthalene	13.55	128	259231	4.894	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	197399	5.570	ug/L	97

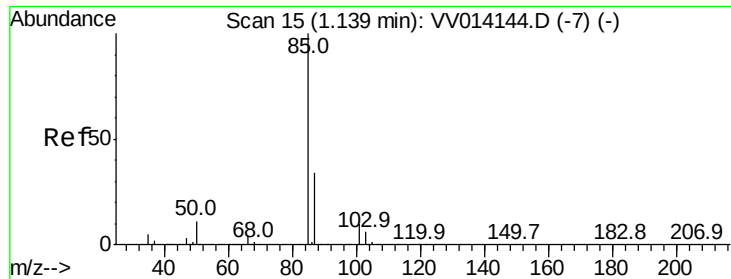
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VV014156.D
Acq On : 23 Dec 2019 11:54
Operator : SY/MD
Sample : VSTD005
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00535

Quant Time: Dec 23 12:14:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR122319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Dec 23 10:55:37 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 6.826 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV014156.D

Acq: 23 Dec 2019 11:54

Instrument :

MSVOA_V

ClientSampleId :

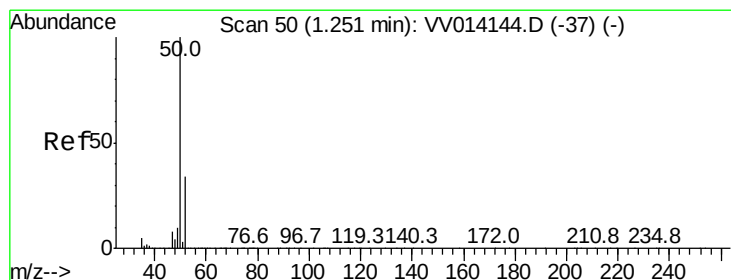
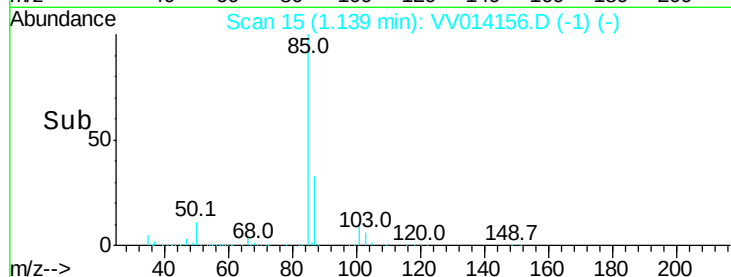
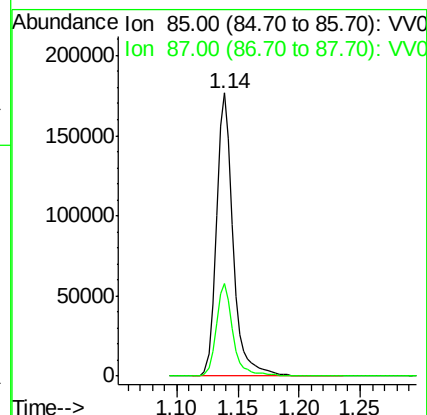
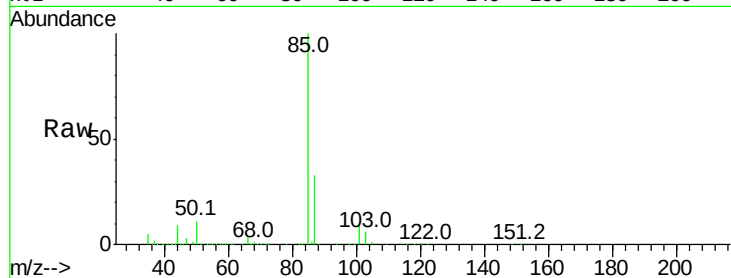
VSTD00535

Tgt Ion: 85 Resp: 169842

Ion Ratio Lower Upper

85 100

87 32.7 27.4 41.2



#3

Chloromethane

Concen: 7.832 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV014156.D

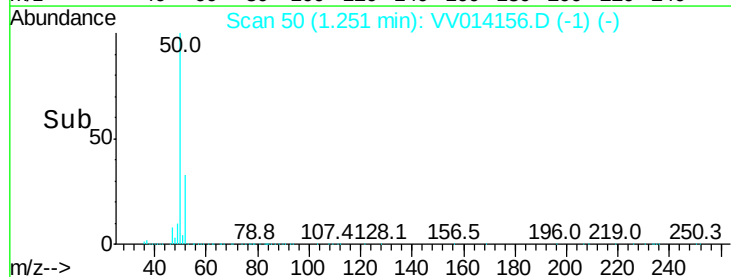
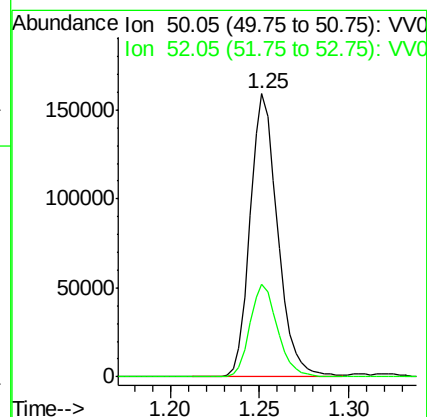
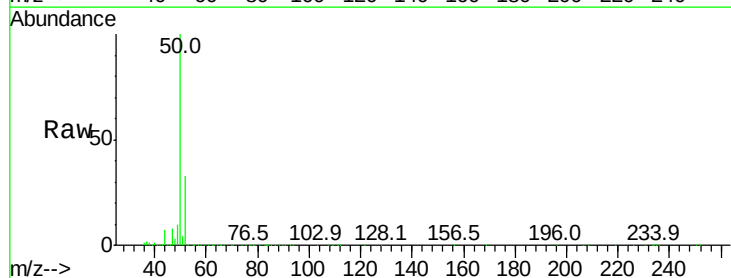
Acq: 23 Dec 2019 11:54

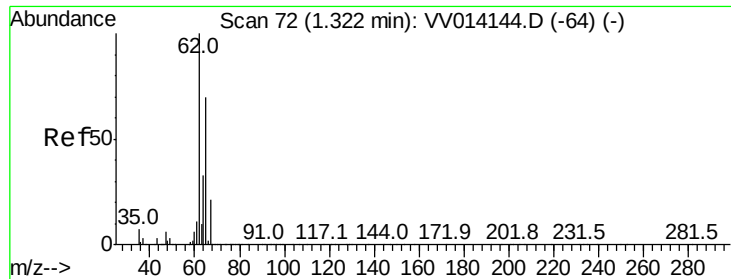
Tgt Ion: 50 Resp: 171121

Ion Ratio Lower Upper

50 100

52 32.7 22.5 41.7





#5

Vinyl chloride

Concen: 7.193 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV014156.D

Acq: 23 Dec 2019 11:54

Instrument :

MSVOA_V

ClientSampleId :

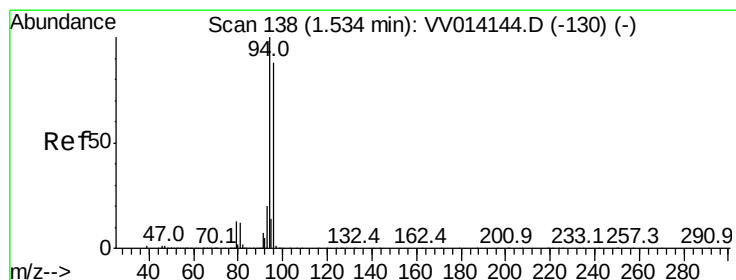
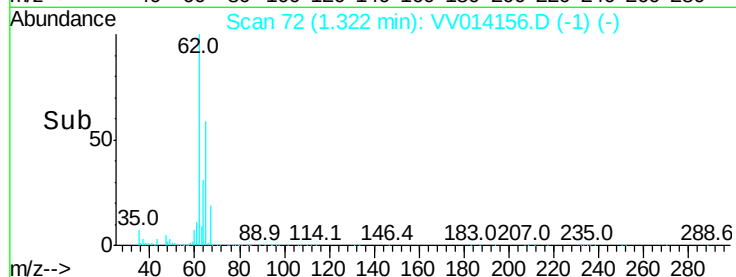
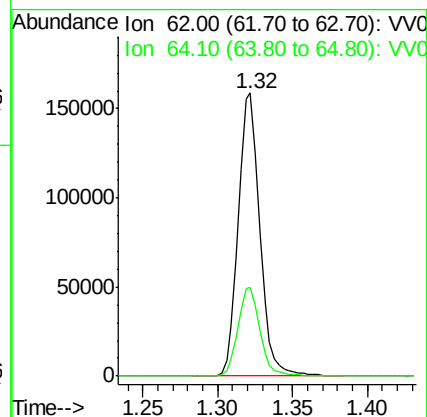
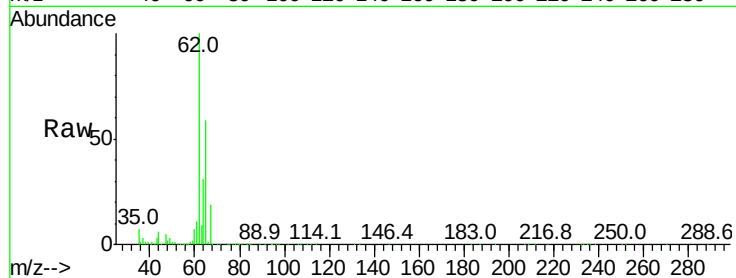
VSTD00535

Tgt Ion: 62 Resp: 160538

Ion Ratio Lower Upper

62 100

64 31.4 23.3 43.3



#6

Bromomethane

Concen: 7.488 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV014156.D

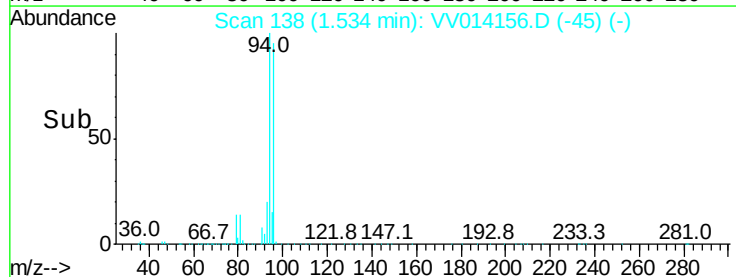
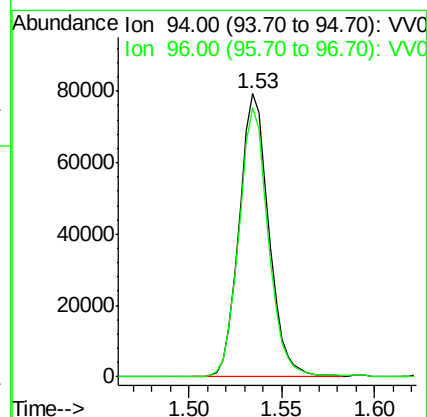
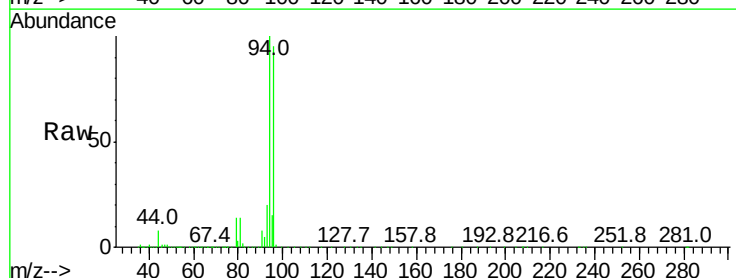
Acq: 23 Dec 2019 11:54

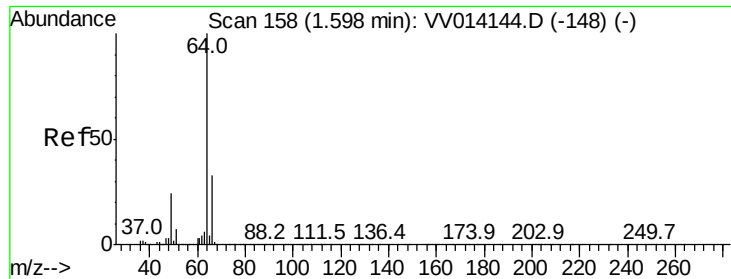
Tgt Ion: 94 Resp: 87993

Ion Ratio Lower Upper

94 100

96 94.9 65.2 121.0





#8

Chloroethane

Concen: 7.027 ug/L

RT: 1.60 min Scan# 158

Delta R.T. -0.00 min

Lab File: VV014156.D

Acq: 23 Dec 2019 11:54

Instrument :

MSVOA_V

ClientSampleId :

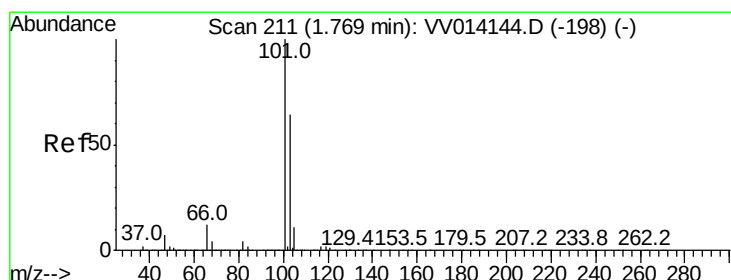
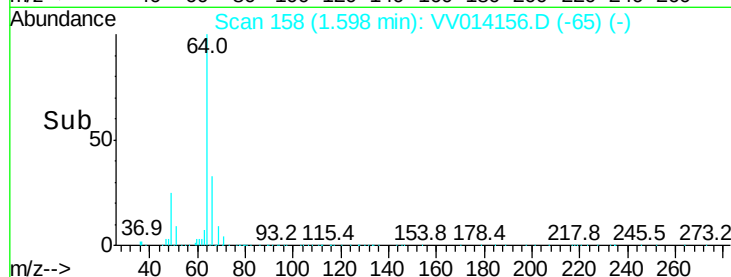
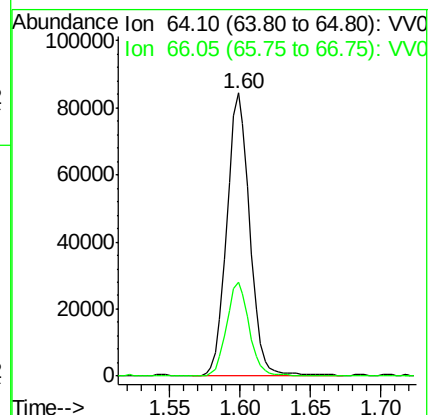
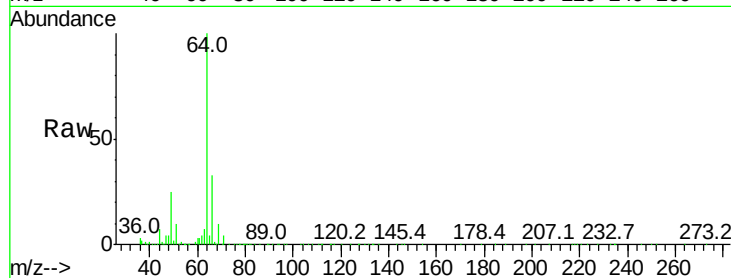
VSTD00535

Tgt Ion: 64 Resp: 94504

Ion Ratio Lower Upper

64 100

66 33.0 22.6 42.0



#9

Trichlorofluoromethane

Concen: 6.325 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.00 min

Lab File: VV014156.D

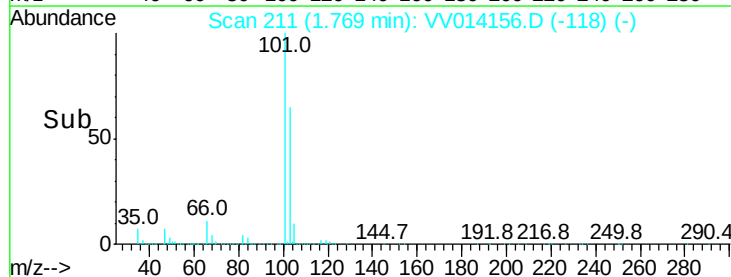
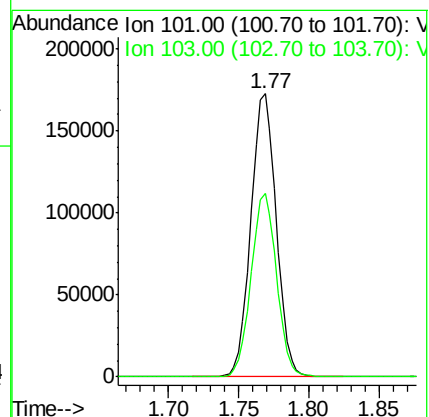
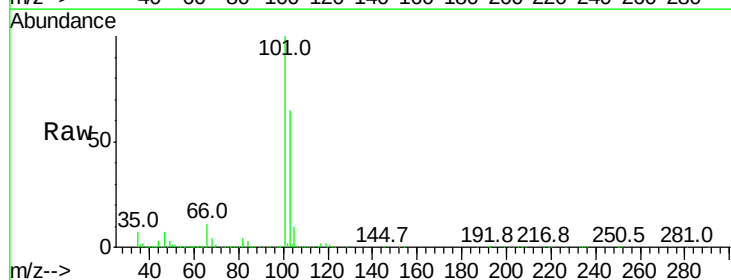
Acq: 23 Dec 2019 11:54

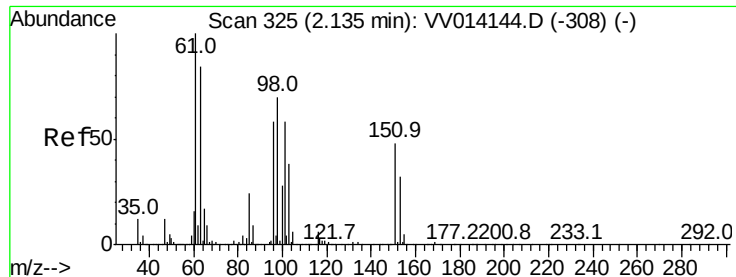
Tgt Ion: 101 Resp: 219196

Ion Ratio Lower Upper

101 100

103 64.8 52.9 79.3





#10

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

Concen: 5.865 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV014156.D

Acq: 23 Dec 2019 11:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD00535

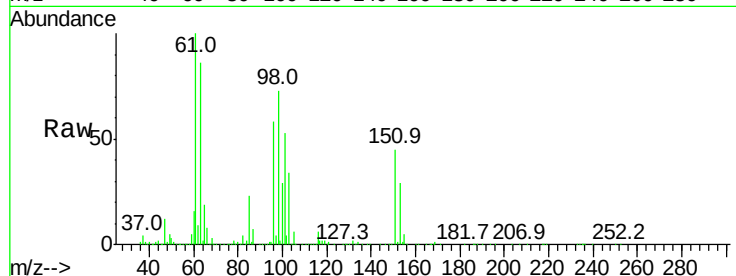
Tgt Ion: 101 Resp: 120780

Ion Ratio Lower Upper

101 100

85 43.4 33.4 50.0

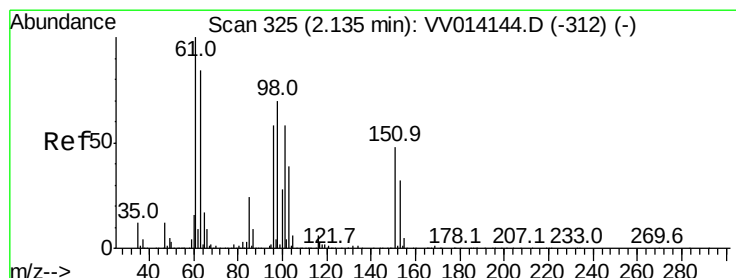
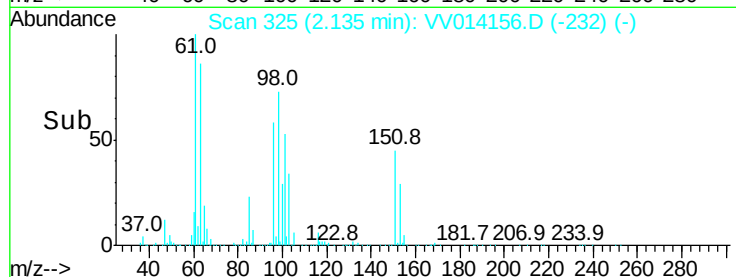
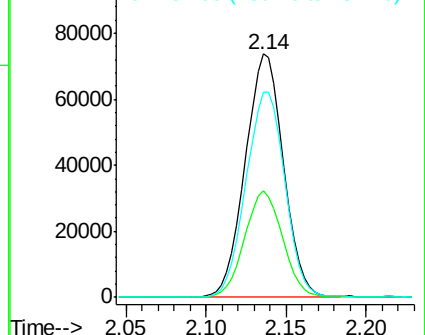
151 86.4 69.4 104.0



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: 6.582 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV014156.D

Acq: 23 Dec 2019 11:54

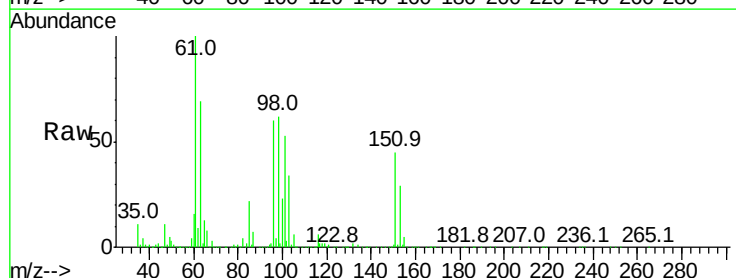
Tgt Ion: 96 Resp: 118222

Ion Ratio Lower Upper

96 100

61 165.5 116.3 215.9

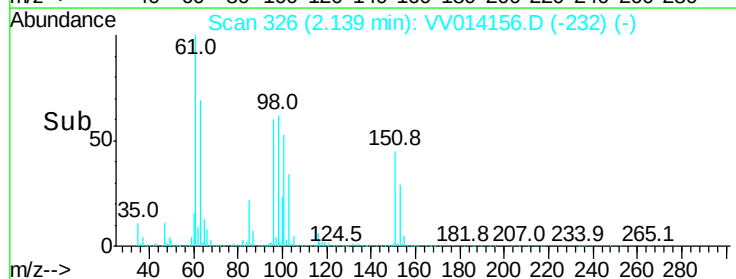
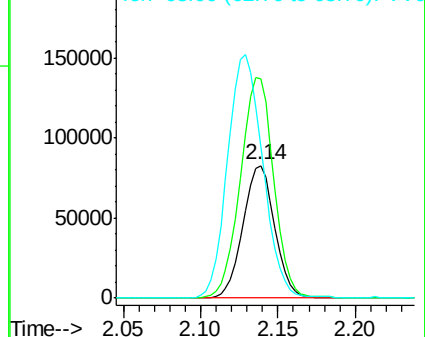
63 114.1 96.7 179.7

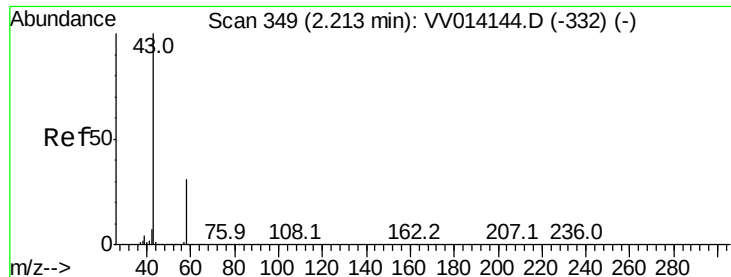


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 54.745 ug/L

RT: 2.21 min Scan# 349

Delta R.T. 0.00 min

Lab File: VV014156.D

Acq: 23 Dec 2019 11:54

Instrument :

MSVOA_V

ClientSampleId :

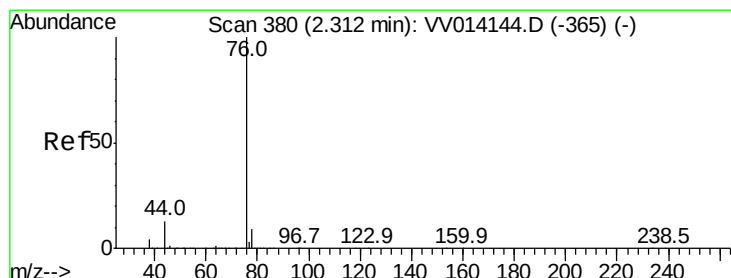
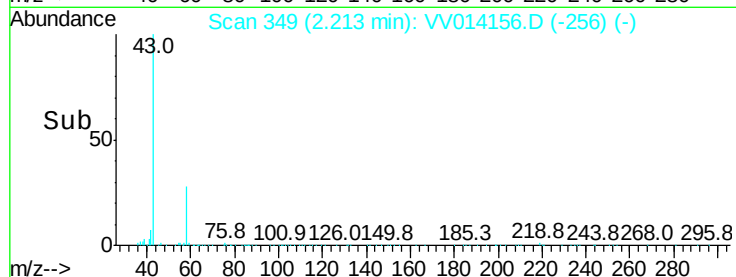
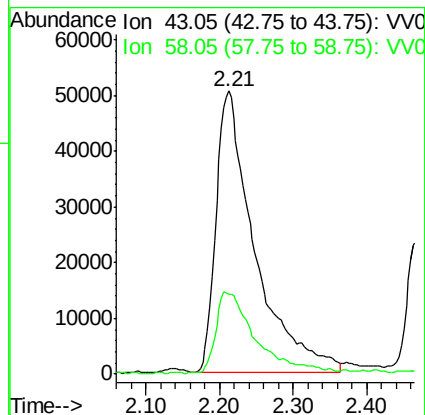
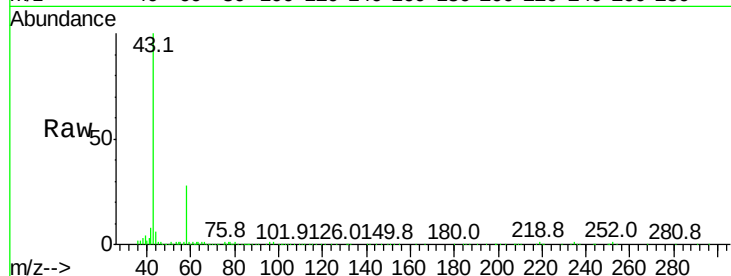
VSTD00535

Tgt Ion: 43 Resp: 184013

Ion Ratio Lower Upper

43 100

58 29.4 0.0 27.2#



#14

Carbon disulfide

Concen: 9.714 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV014156.D

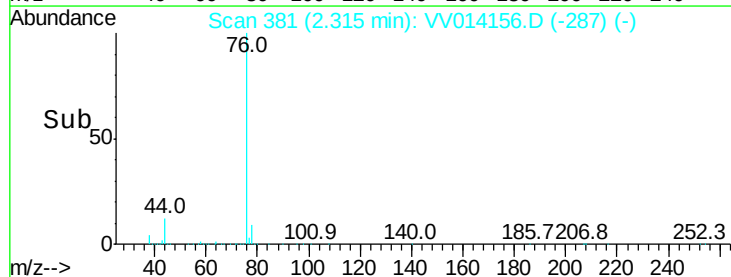
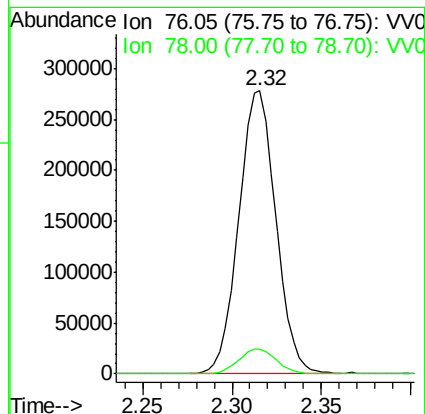
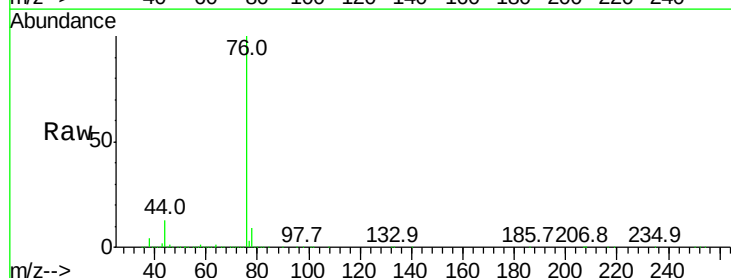
Acq: 23 Dec 2019 11:54

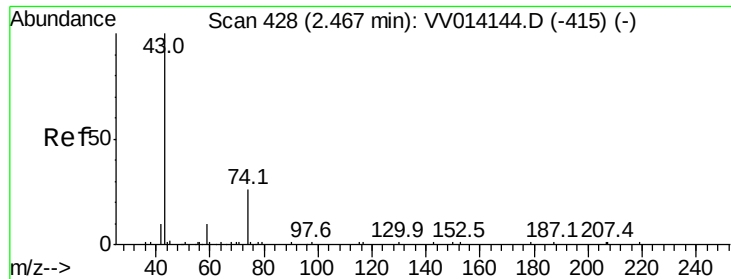
Tgt Ion: 76 Resp: 402812

Ion Ratio Lower Upper

76 100

78 8.8 7.5 11.3

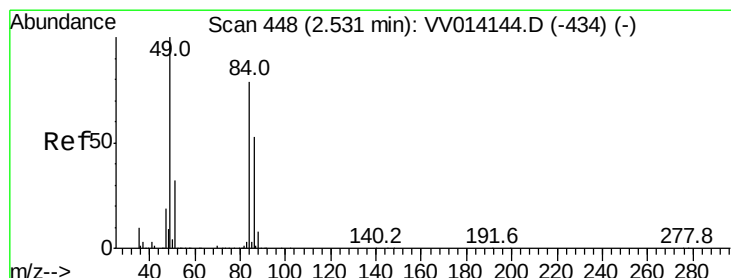
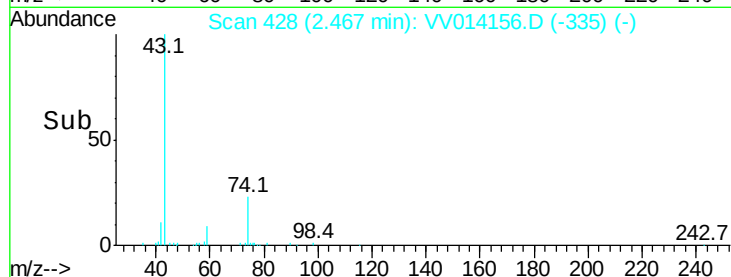
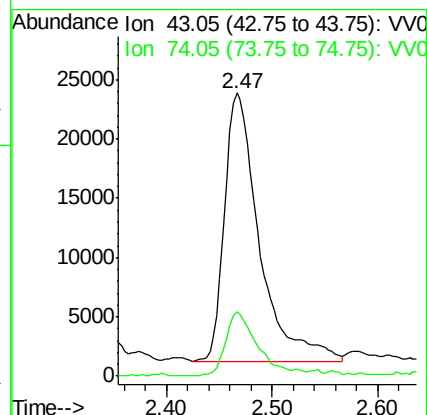
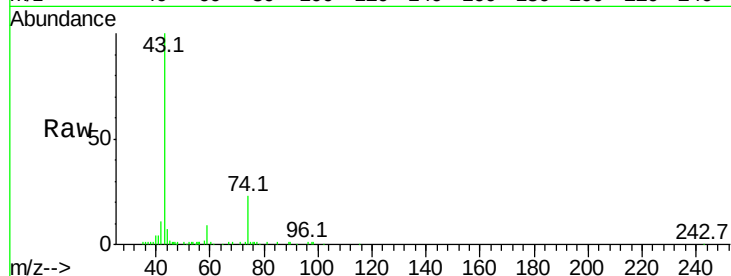




#15
Methyl Acetate
Concen: 6.867 ug/L
RT: 2.47 min Scan# 428
Delta R.T. -0.00 min
Lab File: VV014156.D
Acq: 23 Dec 2019 11:54

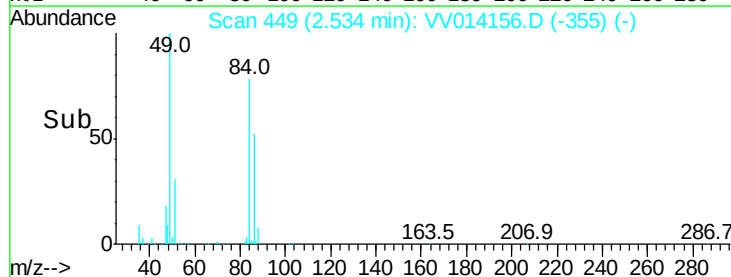
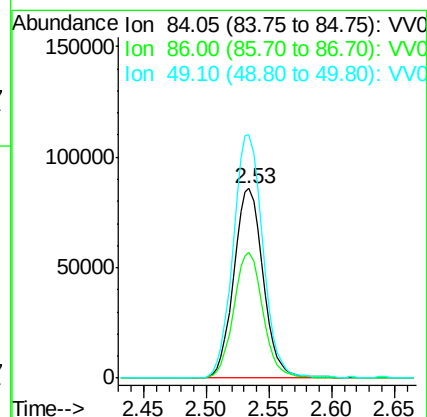
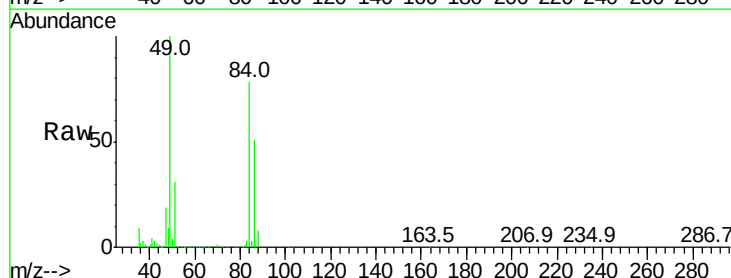
Instrument :
MSVOA_V
ClientSampled :
VSTD00535

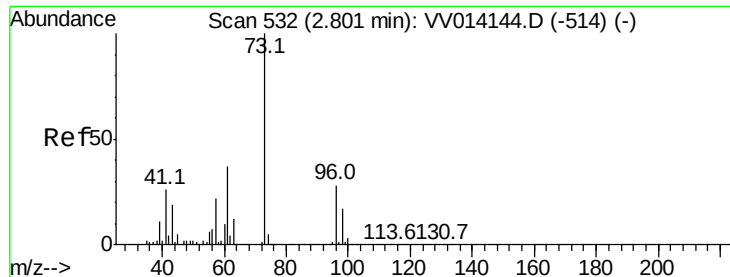
Tgt Ion: 43 Resp: 51677
Ion Ratio Lower Upper
43 100
74 21.6 20.5 30.7



#16
Methylene chloride
Concen: 5.706 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV014156.D
Acq: 23 Dec 2019 11:54

Tgt Ion: 84 Resp: 140387
Ion Ratio Lower Upper
84 100
86 66.1 44.0 81.6
49 128.3 81.5 151.5

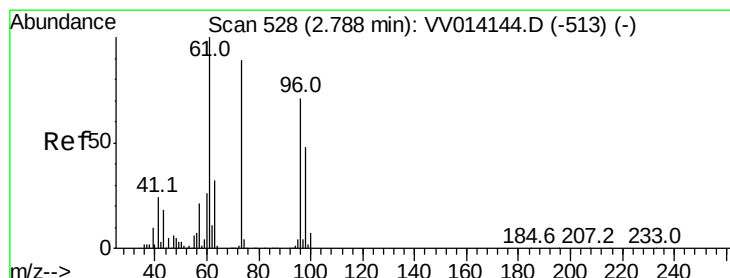
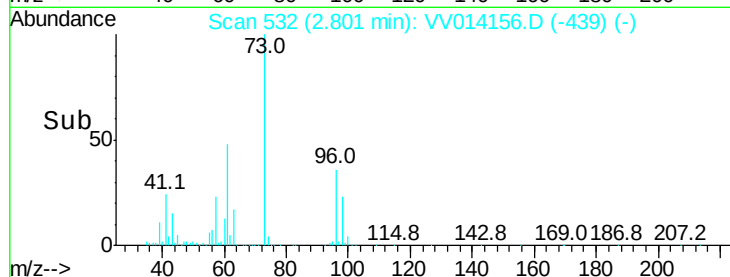
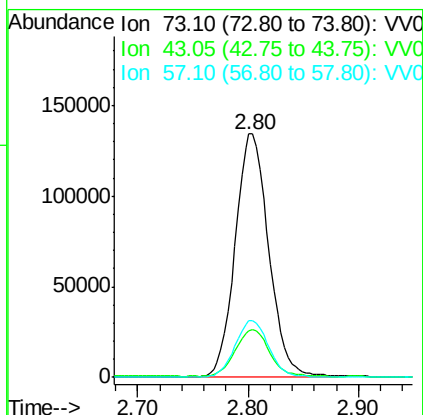
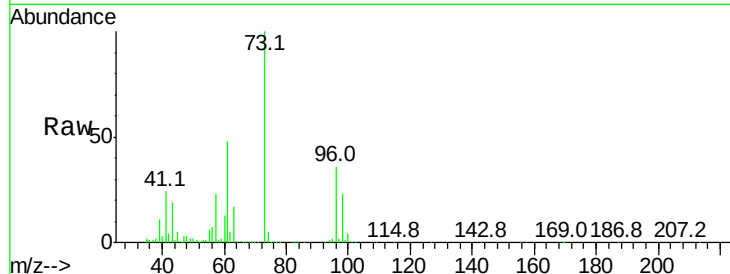




#17
Methyl tert-butyl Ether
Concen: 5.779 ug/L
RT: 2.80 min Scan# 532
Delta R.T. 0.00 min
Lab File: VV014156.D
Acq: 23 Dec 2019 11:54

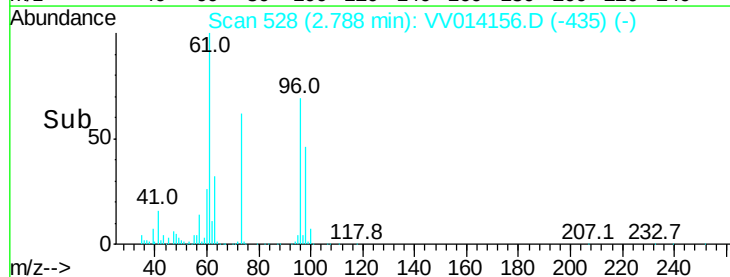
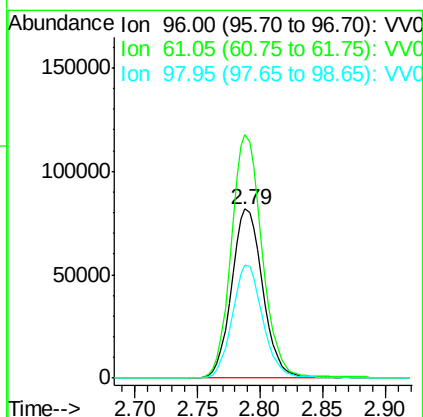
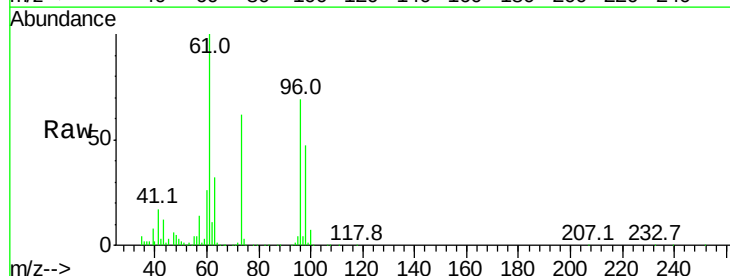
Instrument :
MSVOA_V
ClientSampleId :
VSTD00535

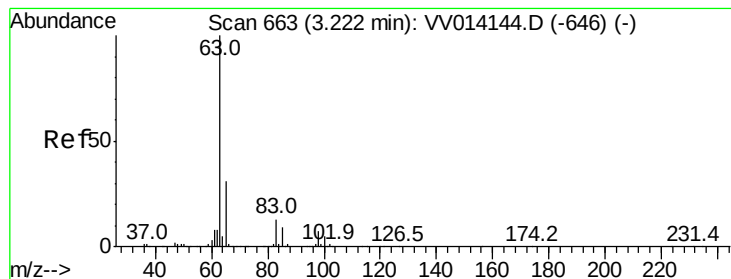
Tgt Ion: 73 Resp: 284080
Ion Ratio Lower Upper
73 100
43 19.8 15.5 23.3
57 23.3 17.5 26.3



#18
trans-1,2-Dichloroethene
Concen: 6.971 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV014156.D
Acq: 23 Dec 2019 11:54

Tgt Ion: 96 Resp: 141395
Ion Ratio Lower Upper
96 100
61 143.9 95.1 176.7
98 67.0 46.5 86.3





#19

1,1-Dichloroethane

Concen: 6.412 ug/L

RT: 3.23 min Scan# 664

Delta R.T. 0.00 min

Lab File: VV014156.D

Acq: 23 Dec 2019 11:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD00535

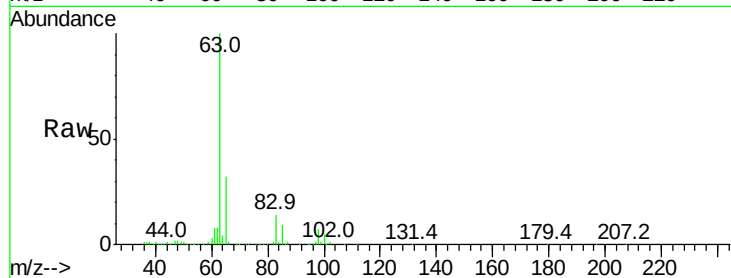
Tgt Ion: 63 Resp: 259614

Ion Ratio Lower Upper

63 100

65 31.9 22.7 42.1

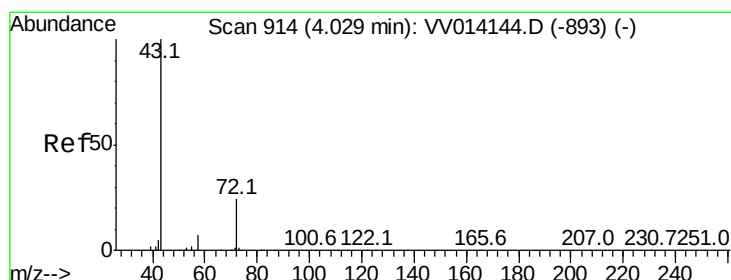
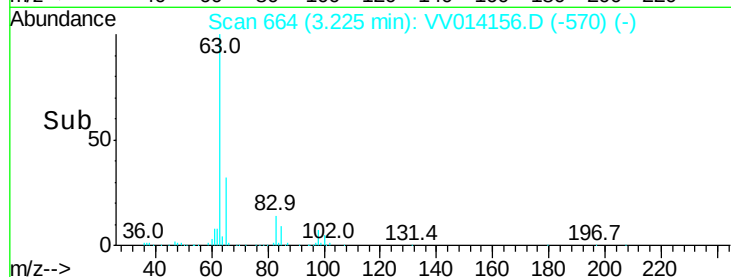
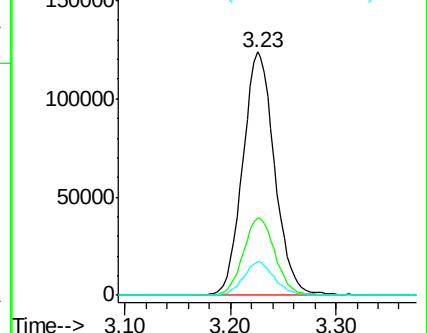
83 13.8 9.2 17.2



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0



#21

2-Butanone

Concen: 54.901 ug/L

RT: 4.03 min Scan# 914

Delta R.T. 0.00 min

Lab File: VV014156.D

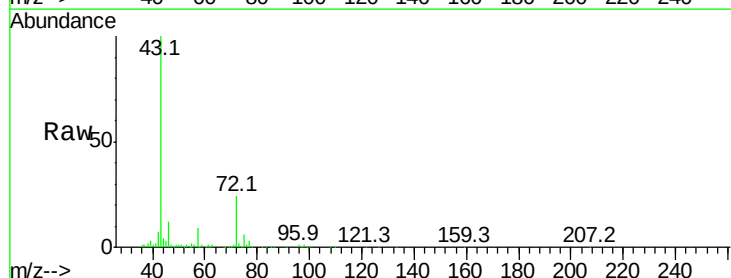
Acq: 23 Dec 2019 11:54

Tgt Ion: 43 Resp: 278939

Ion Ratio Lower Upper

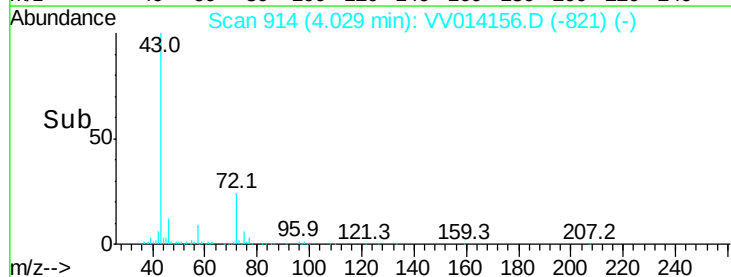
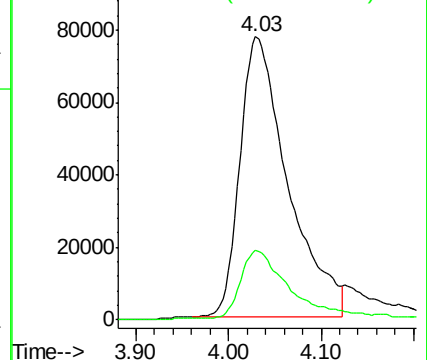
43 100

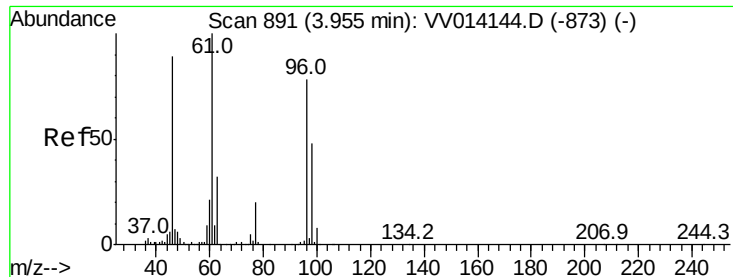
72 24.7 12.3 36.9



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 72.10 (71.80 to 72.80): VV0



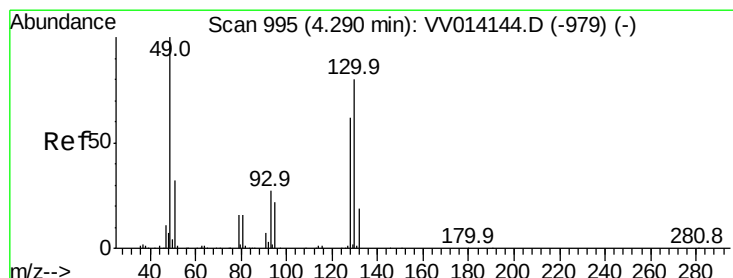
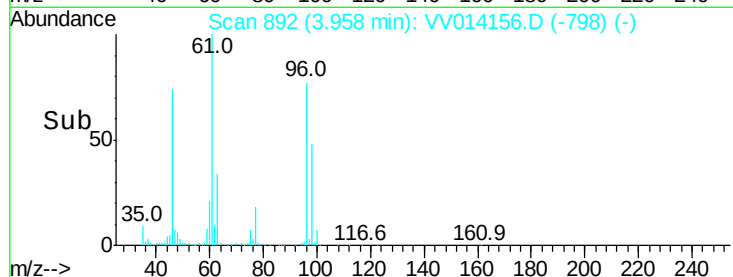
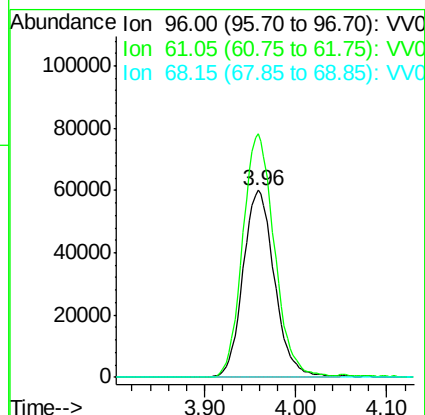
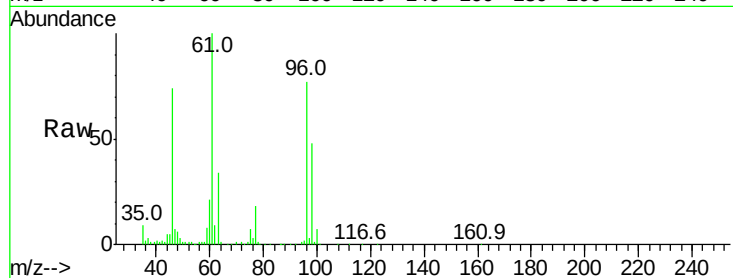


#22

cis-1,2-Dichloroethene
Concen: 6.081 ug/L
RT: 3.96 min Scan# 892
Delta R.T. 0.00 min
Lab File: VV014156.D
Acq: 23 Dec 2019 11:54

Instrument :
MSVOA_V
ClientSampleId :
VSTD00535

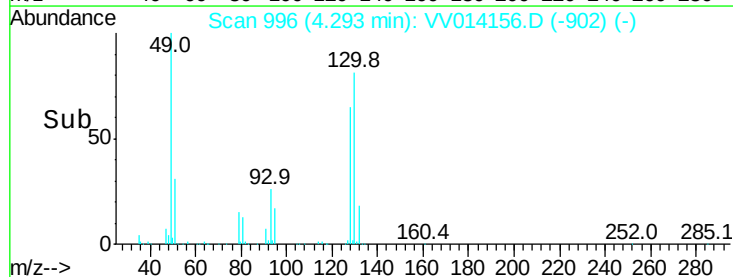
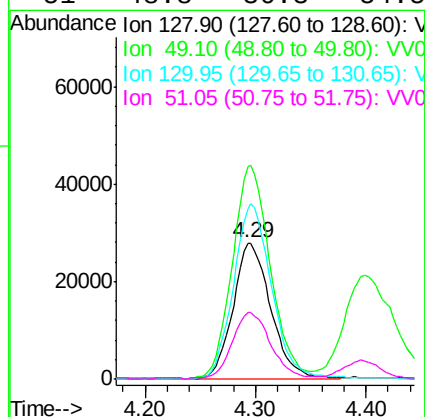
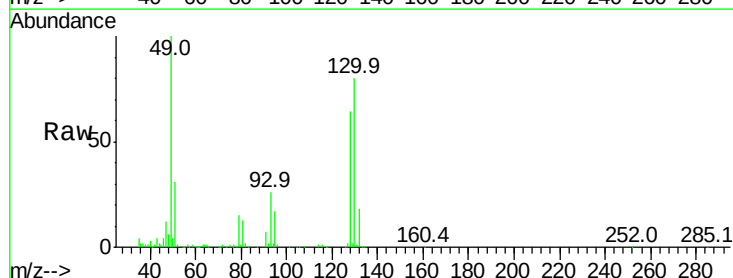
Tgt Ion: 96 Resp: 144639
Ion Ratio Lower Upper
96 100
61 130.3 86.1 159.9
68 0.2 0.0 0.0#

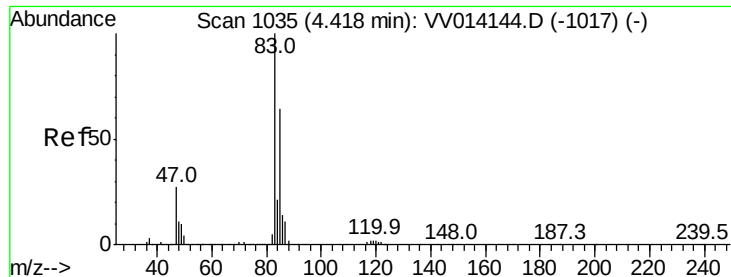


#23

Bromochloromethane
Concen: 6.346 ug/L
RT: 4.29 min Scan# 996
Delta R.T. 0.00 min
Lab File: VV014156.D
Acq: 23 Dec 2019 11:54

Tgt Ion: 128 Resp: 66328
Ion Ratio Lower Upper
128 100
49 156.1 100.1 185.9
130 124.5 89.0 165.4
51 48.8 36.3 54.5





#25

Chloroform

Concen: 6.169 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VV014156.D

Acq: 23 Dec 2019 11:54

Instrument :

MSVOA_V

ClientSampleId :

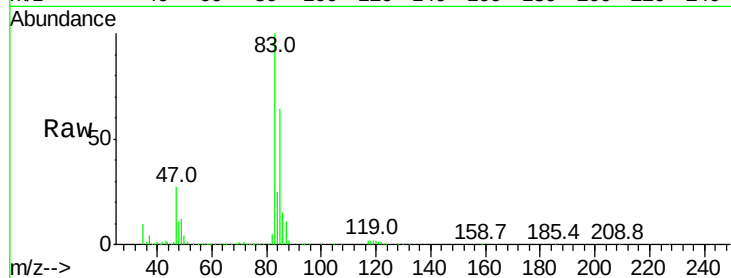
VSTD00535

Tgt Ion: 83 Resp: 264805

Ion Ratio Lower Upper

83 100

85 63.7 45.1 83.7



Abundance Ion 83.05 (82.75 to 83.75): VV014144.D (-1017) (-)

Ion 85.00 (84.70 to 85.70): VV014144.D (-1017) (-)

4.42

120000

100000

80000

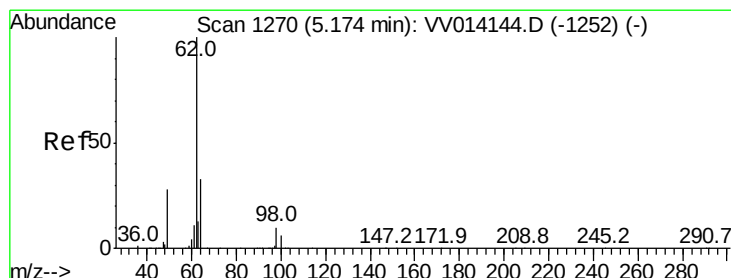
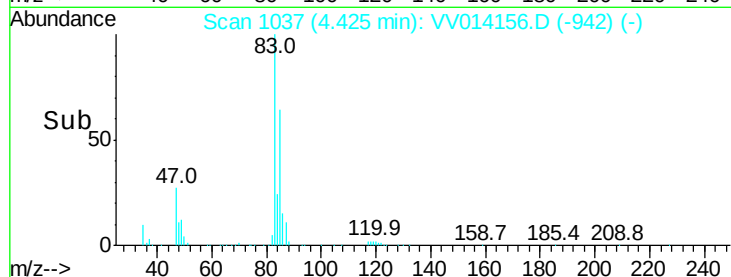
60000

40000

20000

0

Time--> 4.35 4.40 4.45 4.50



#27

1,2-Dichloroethane

Concen: 6.242 ug/L

RT: 5.18 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VV014156.D

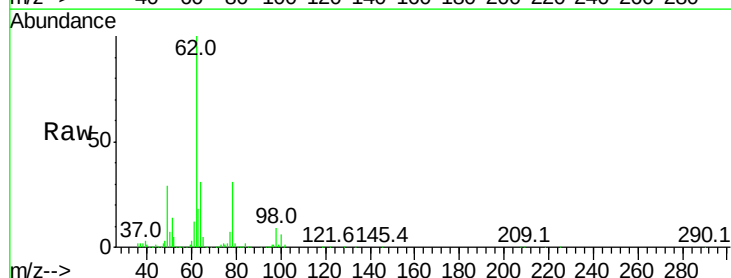
Acq: 23 Dec 2019 11:54

Tgt Ion: 62 Resp: 153337

Ion Ratio Lower Upper

62 100

98 8.8 8.2 12.2



Abundance Ion 62.00 (61.70 to 62.70): VV014144.D (-1252) (-)

Ion 98.05 (97.75 to 98.75): VV014144.D (-1252) (-)

5.18

80000

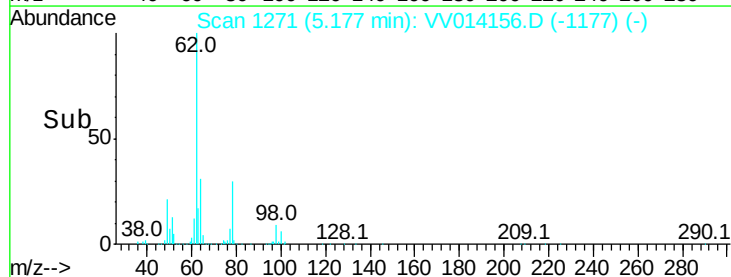
60000

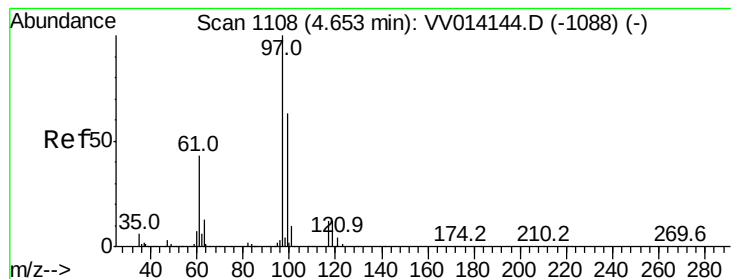
40000

20000

0

Time--> 5.05 5.10 5.15 5.20 5.25





#29

1,1,1-Trichloroethane

Concen: 6.229 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VV014156.D

Acq: 23 Dec 2019 11:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD00535

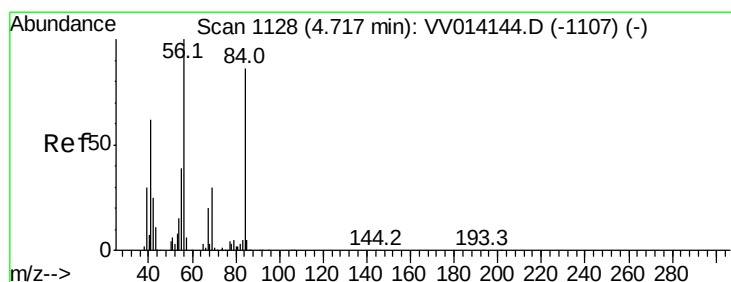
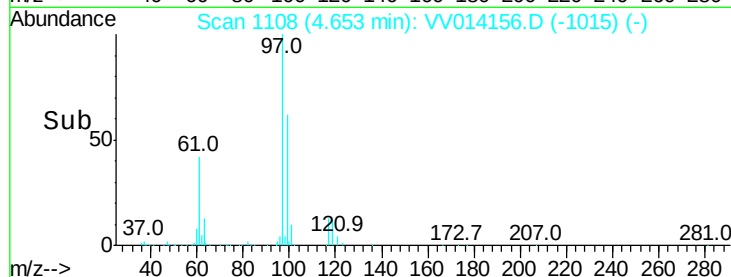
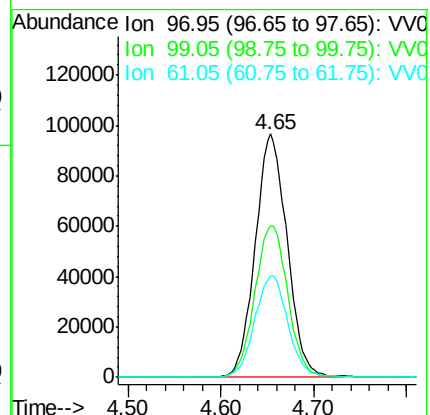
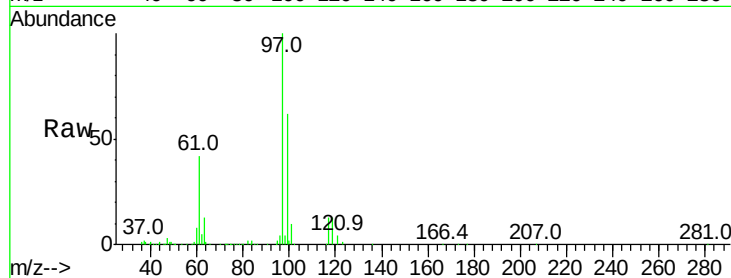
Tgt Ion: 97 Resp: 231440

Ion Ratio Lower Upper

97 100

99 64.5 51.7 77.5

61 43.1 35.0 52.6



#30

Cyclohexane

Concen: 7.249 ug/L

RT: 4.72 min Scan# 1129

Delta R.T. 0.00 min

Lab File: VV014156.D

Acq: 23 Dec 2019 11:54

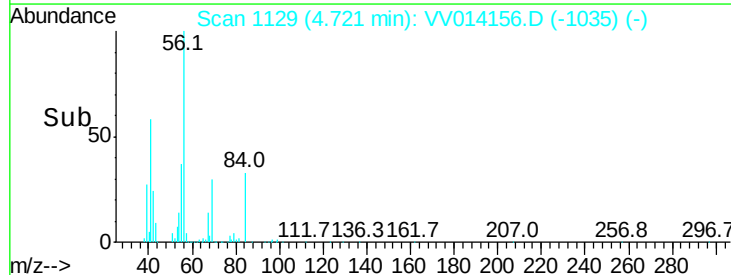
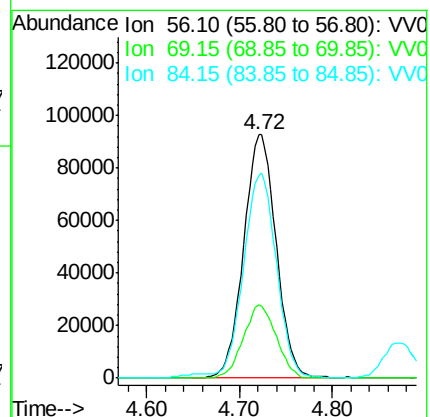
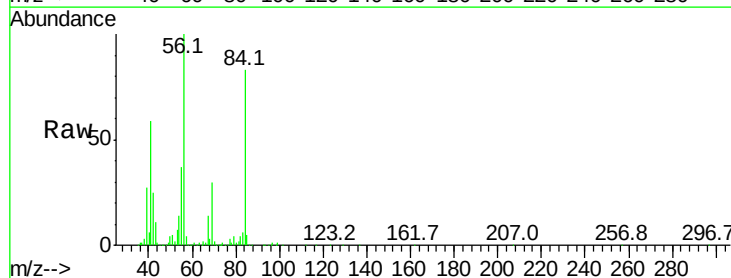
Tgt Ion: 56 Resp: 225014

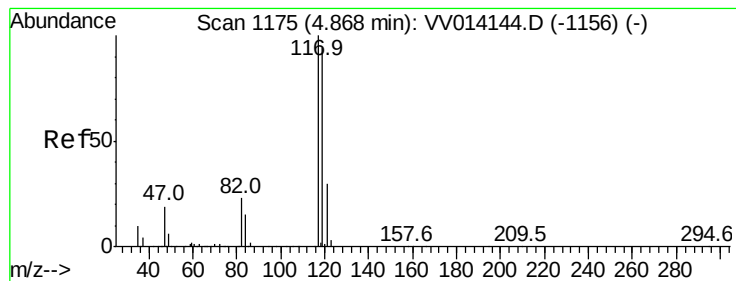
Ion Ratio Lower Upper

56 100

69 30.5 24.1 36.1

84 85.4 69.9 104.9





#31

Carbon tetrachloride

Concen: 6.403 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VV014156.D

Acq: 23 Dec 2019 11:54

Instrument :

MSVOA_V

ClientSampleId :

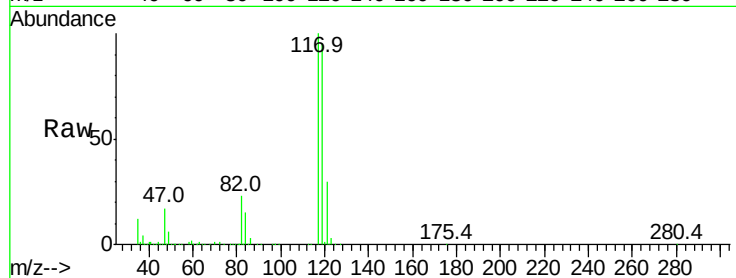
VSTD00535

Tgt Ion:117 Resp: 209307

Ion Ratio Lower Upper

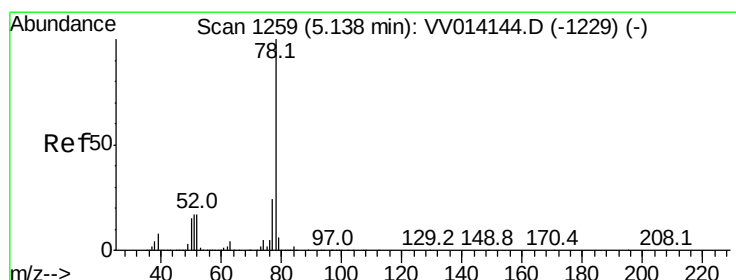
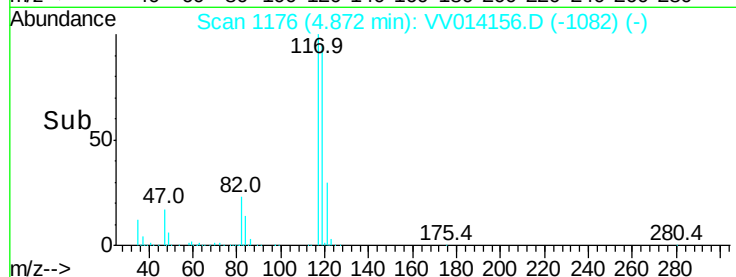
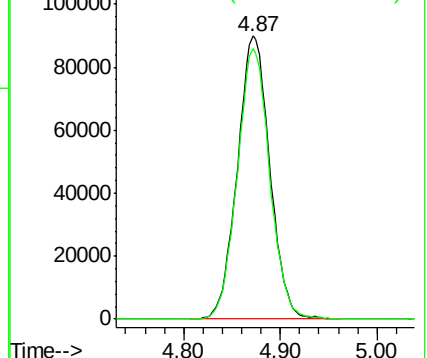
117 100

119 95.3 76.8 115.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 6.453 ug/L

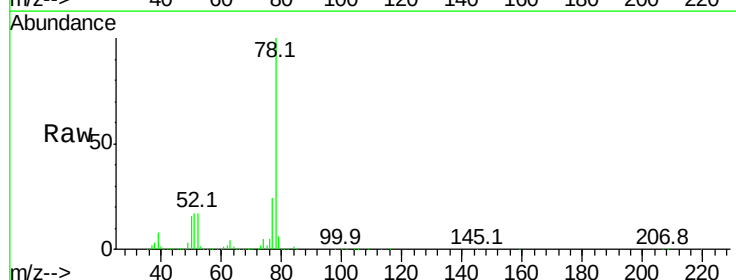
RT: 5.14 min Scan# 1261

Delta R.T. 0.01 min

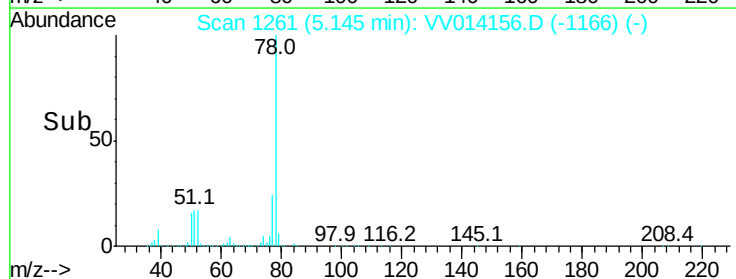
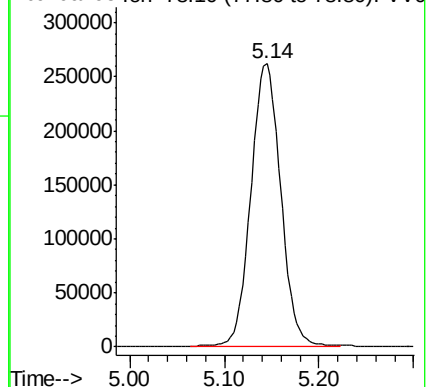
Lab File: VV014156.D

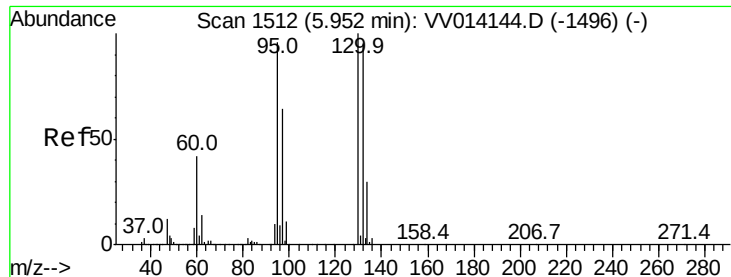
Acq: 23 Dec 2019 11:54

Tgt Ion: 78 Resp: 574871



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 5.942 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV014156.D

Acq: 23 Dec 2019 11:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD00535

Tgt Ion: 95 Resp: 146039

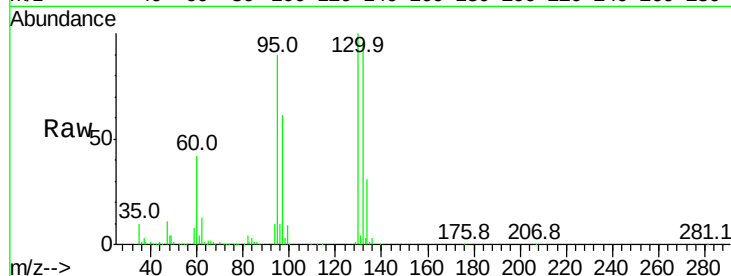
Ion Ratio Lower Upper

95 100

97 67.4 45.6 84.8

132 105.9 70.5 130.9

130 110.7 75.9 140.9

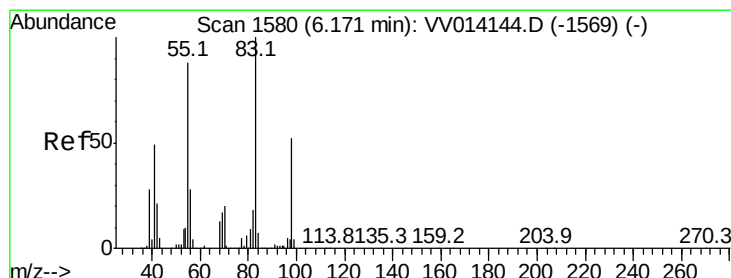
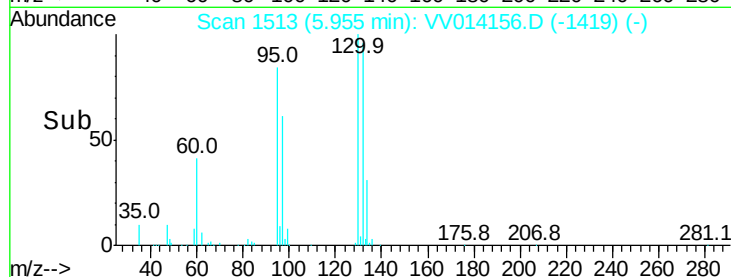
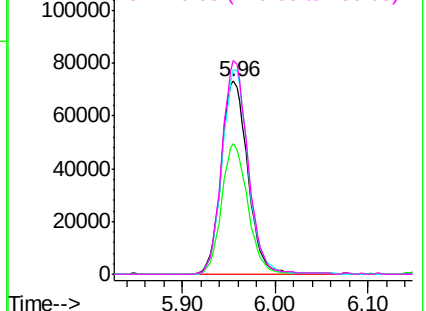


Abundance Ion 95.00 (94.70 to 95.70): VV014156.D (-1419) (-)

Ion 96.95 (96.65 to 97.65): VV014156.D (-1419) (-)

Ion 131.95 (131.65 to 132.65): VV014156.D (-1419) (-)

Ion 129.95 (129.65 to 130.65): VV014156.D (-1419) (-)



#35

Methylcyclohexane

Concen: 6.939 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV014156.D

Acq: 23 Dec 2019 11:54

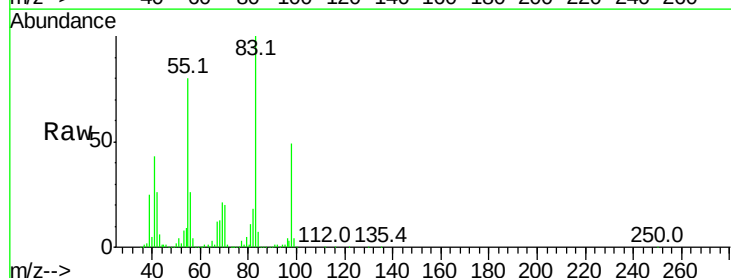
Tgt Ion: 83 Resp: 227544

Ion Ratio Lower Upper

83 100

55 81.6 60.3 90.5

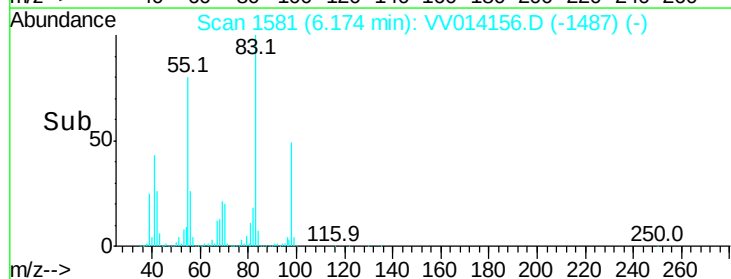
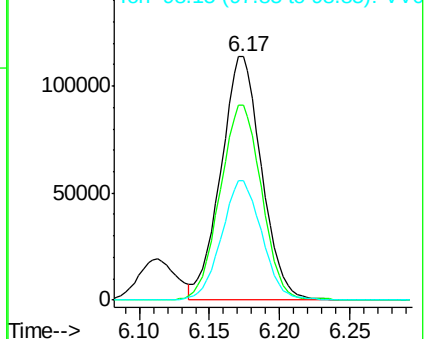
98 49.0 38.1 57.1

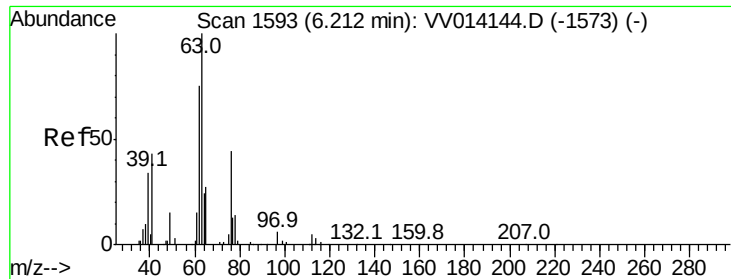


Abundance Ion 83.15 (82.85 to 83.85): VV014156.D (-1487) (-)

Ion 55.10 (54.80 to 55.80): VV014156.D (-1487) (-)

Ion 98.15 (97.85 to 98.85): VV014156.D (-1487) (-)

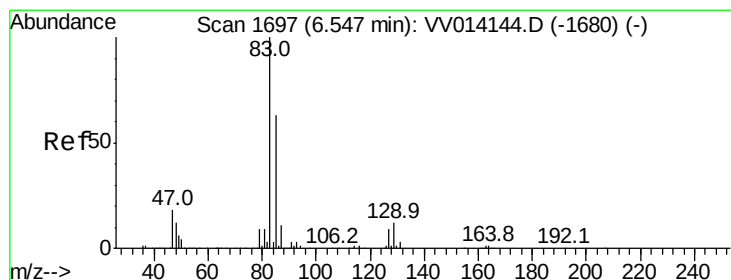
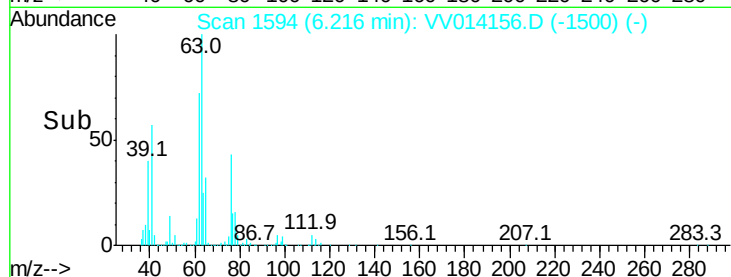
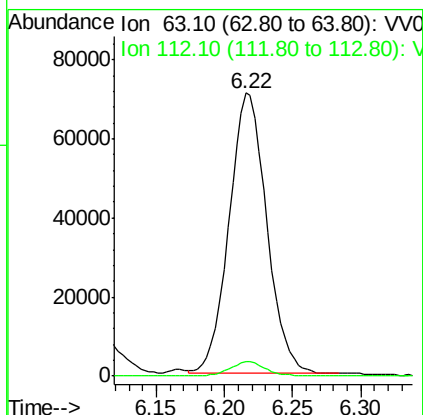
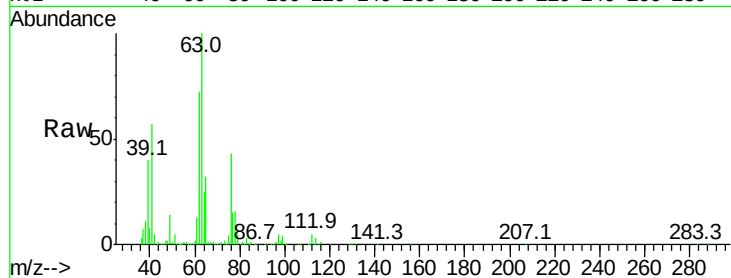




#37
 1,2-Dichloropropane
 Concen: 5.939 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. 0.00 min
 Lab File: VV014156.D
 Acq: 23 Dec 2019 11:54

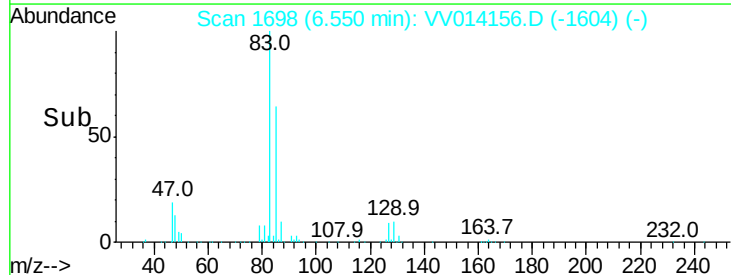
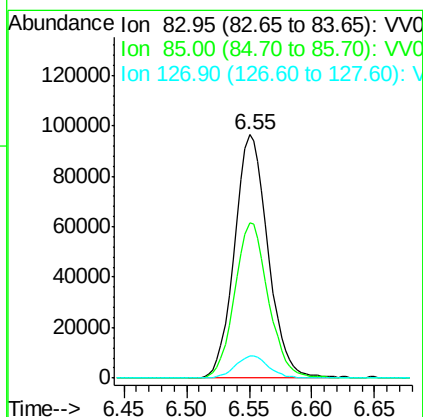
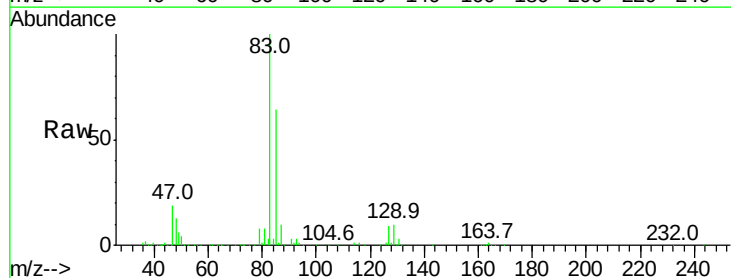
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00535

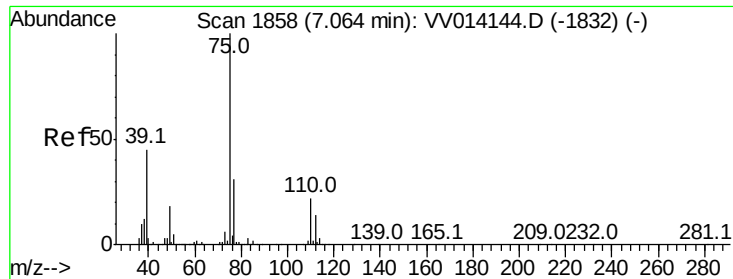
Tgt Ion: 63 Resp: 135998
 Ion Ratio Lower Upper
 63 100
 112 5.0 4.4 6.6



#38
 Bromodichloromethane
 Concen: 5.921 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VV014156.D
 Acq: 23 Dec 2019 11:54

Tgt Ion: 83 Resp: 178880
 Ion Ratio Lower Upper
 83 100
 85 63.6 46.1 85.5
 127 9.0 7.5 11.3

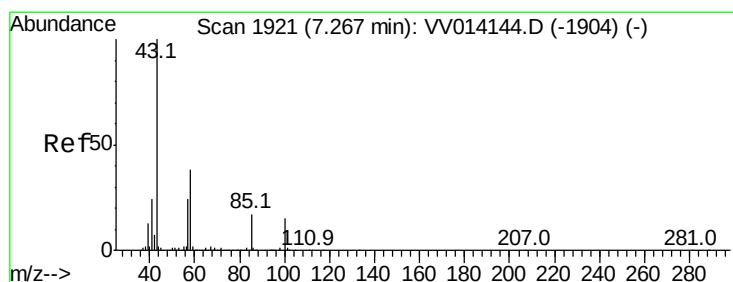
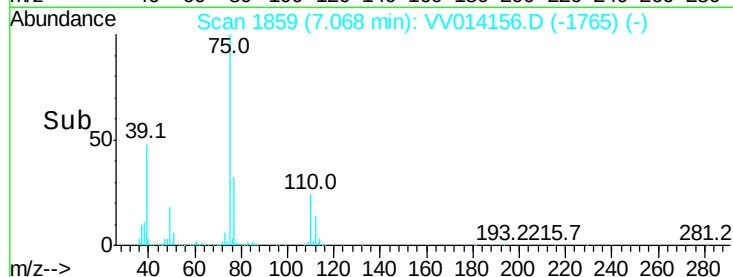
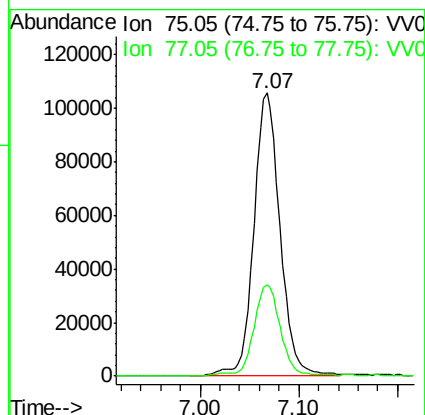
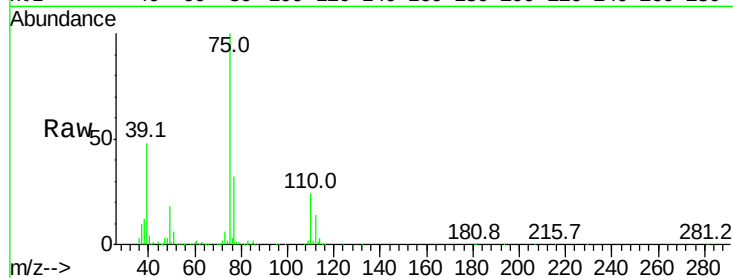




#39
 cis-1,3-Dichloropropene
 Concen: 5.953 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VV014156.D
 Acq: 23 Dec 2019 11:54

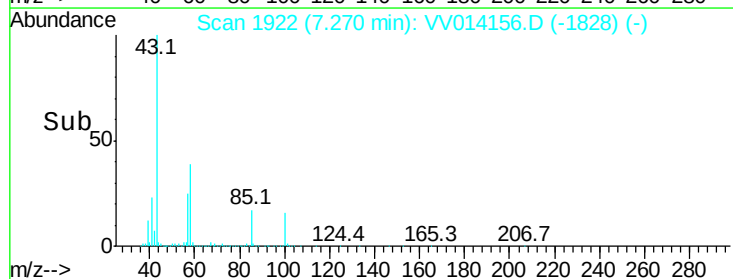
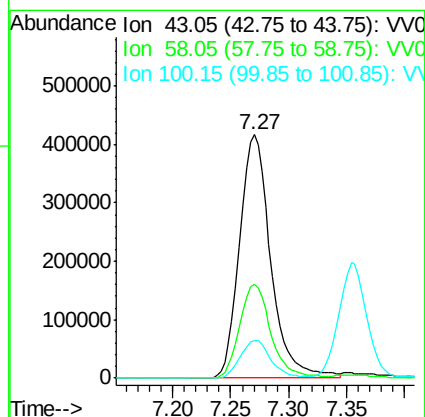
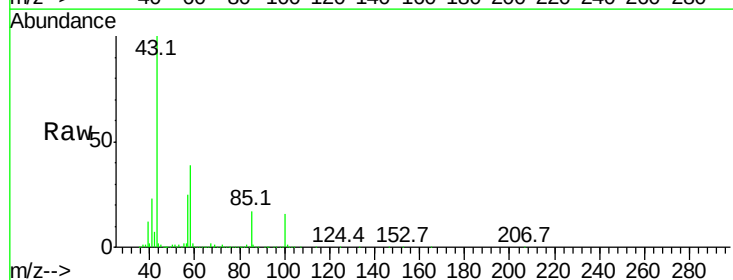
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00535

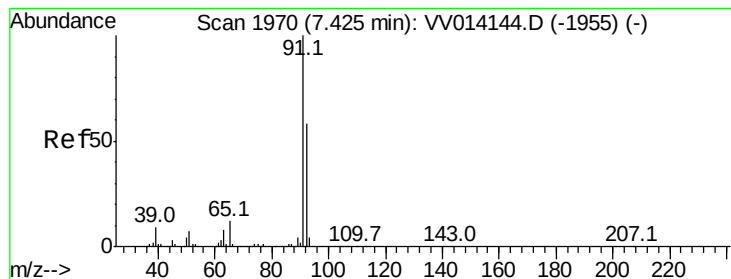
Tgt Ion: 75 Resp: 193414
 Ion Ratio Lower Upper
 75 100
 77 32.3 22.5 41.9



#40
 4-Methyl-2-pentanone
 Concen: 58.121 ug/L
 RT: 7.27 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VV014156.D
 Acq: 23 Dec 2019 11:54

Tgt Ion: 43 Resp: 776531
 Ion Ratio Lower Upper
 43 100
 58 38.5 32.3 48.5
 100 15.4 12.7 19.1





#42

Toluene

Concen: 6.472 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV014156.D

Acq: 23 Dec 2019 11:54

Instrument :

MSVOA_V

ClientSampleId :

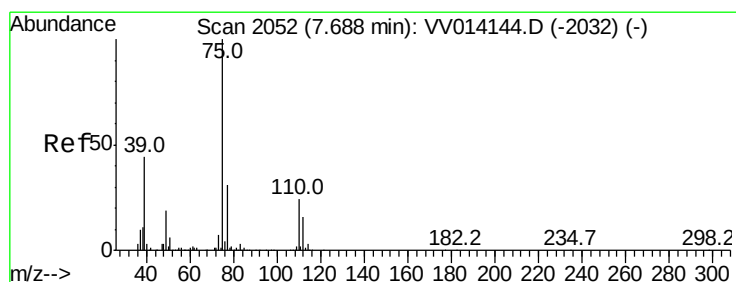
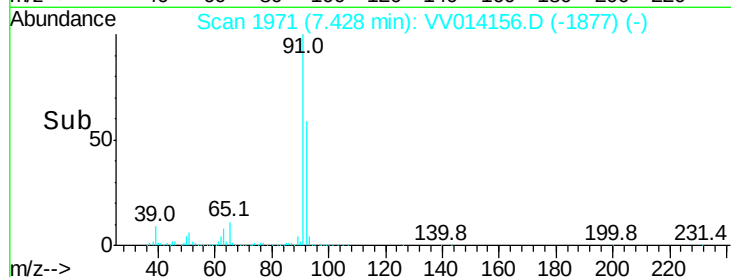
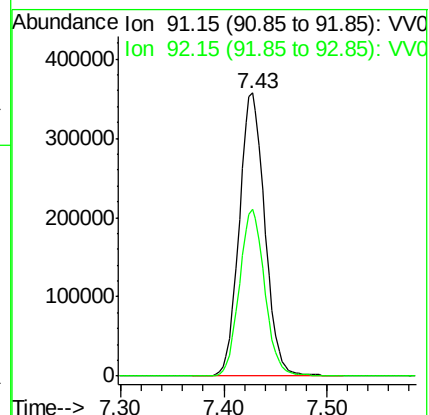
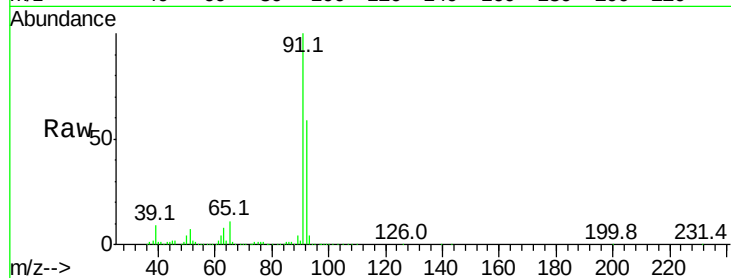
VSTD00535

Tgt Ion: 91 Resp: 618501

Ion Ratio Lower Upper

91 100

92 58.9 41.1 76.3



#44

trans-1,3-Dichloropropene

Concen: 6.044 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV014156.D

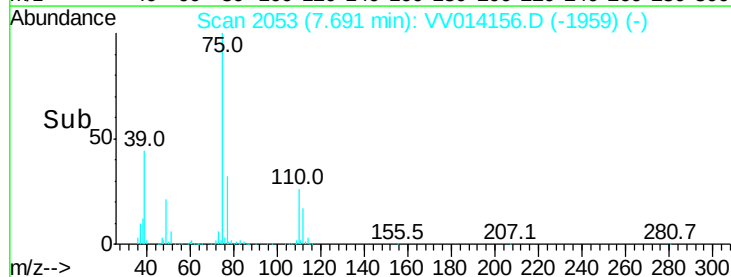
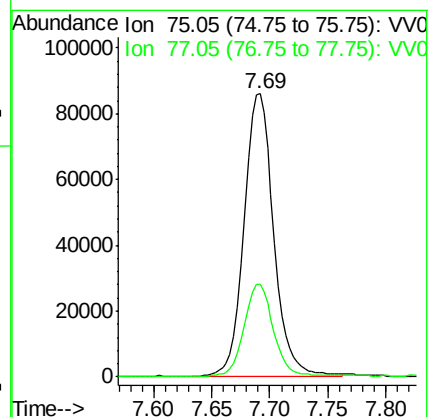
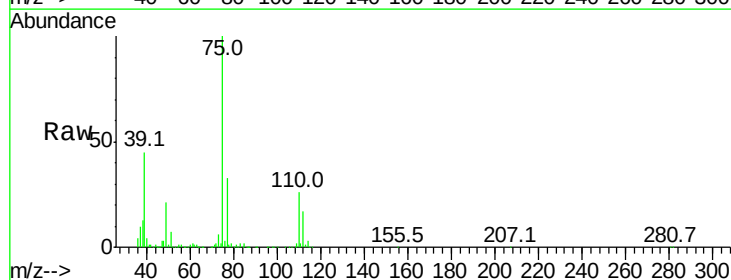
Acq: 23 Dec 2019 11:54

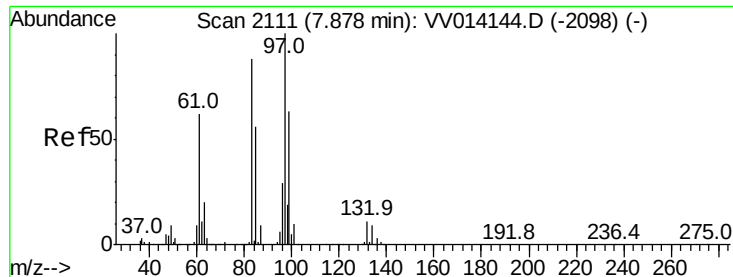
Tgt Ion: 75 Resp: 153719

Ion Ratio Lower Upper

75 100

77 32.6 23.0 42.8





#45

1,1,2-Trichloroethane

Concen: 5.861 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VV014156.D

Acq: 23 Dec 2019 11:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD00535

Tgt Ion: 97 Resp: 95637

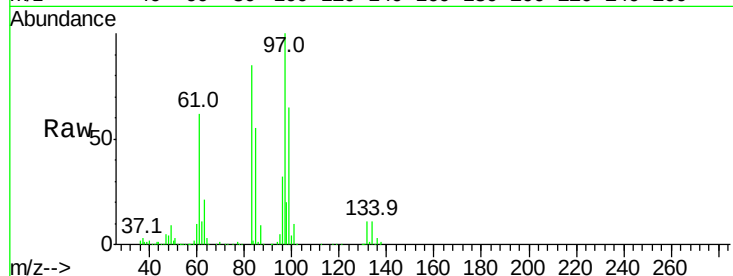
Ion Ratio Lower Upper

97 100

99 65.5 44.2 82.0

83 85.0 59.7 110.9

85 54.5 38.3 71.1

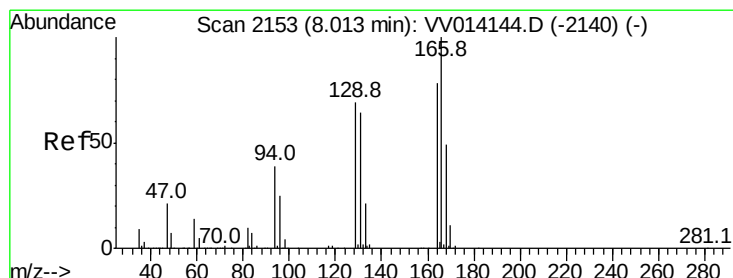
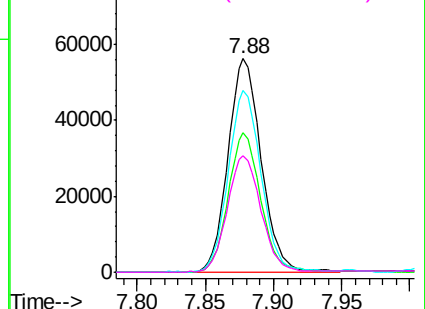
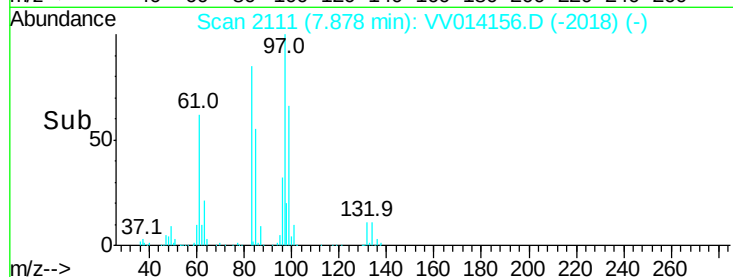


Abundance Ion 96.95 (96.65 to 97.65): VV0

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: 6.267 ug/L

RT: 8.01 min Scan# 2153

Delta R.T. -0.00 min

Lab File: VV014156.D

Acq: 23 Dec 2019 11:54

Tgt Ion: 164 Resp: 133753

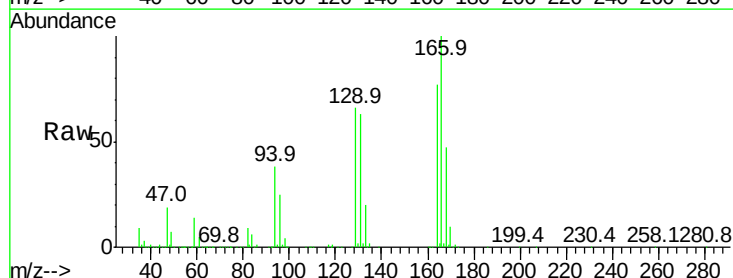
Ion Ratio Lower Upper

164 100

129 85.8 60.3 112.1

131 81.9 59.9 111.3

166 129.6 89.1 165.5

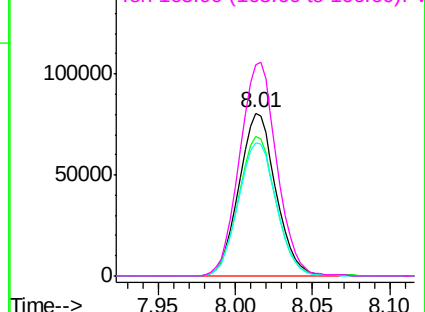
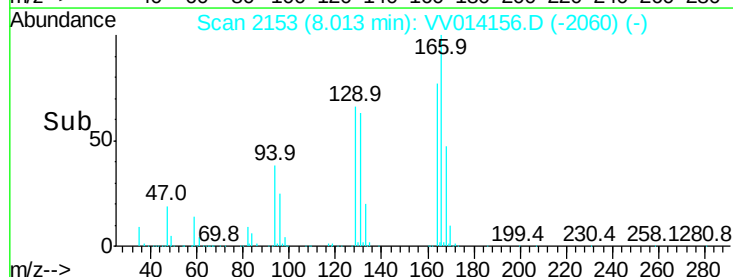


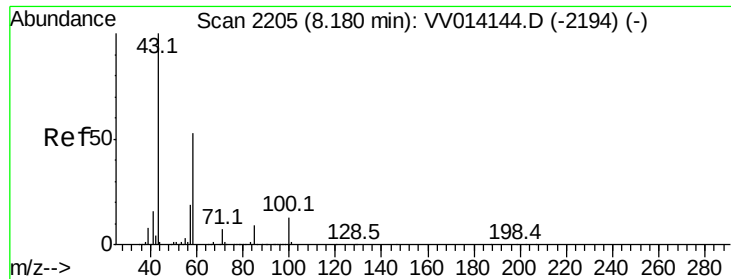
Abundance Ion 163.90 (163.60 to 164.60): V

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

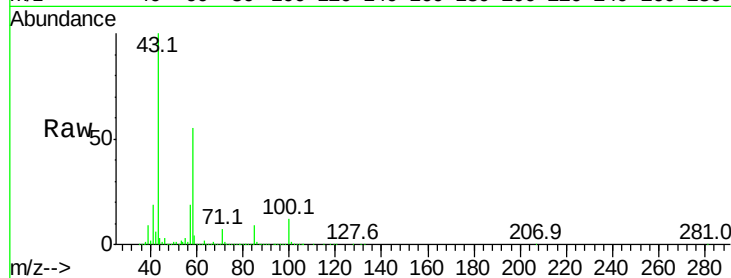




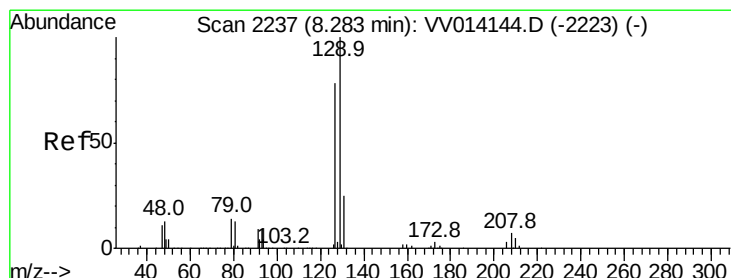
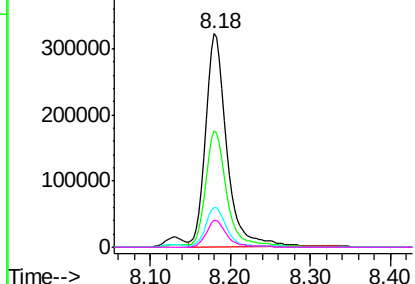
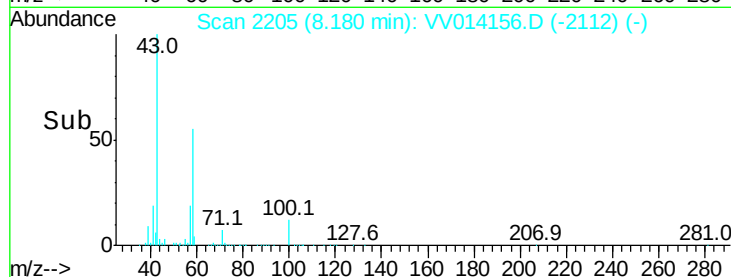
#48
2-Hexanone
Concen: 62.578 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. 0.00 min
Lab File: VV014156.D
Acq: 23 Dec 2019 11:54

Instrument :
MSVOA_V
ClientSampleId :
VSTD00535

Tgt Ion:	43	Resp:	596771
Ion	Ratio	Lower	Upper
43	100		
58	54.0	43.2	64.8
57	18.5	15.4	23.2
100	12.1	10.4	15.6

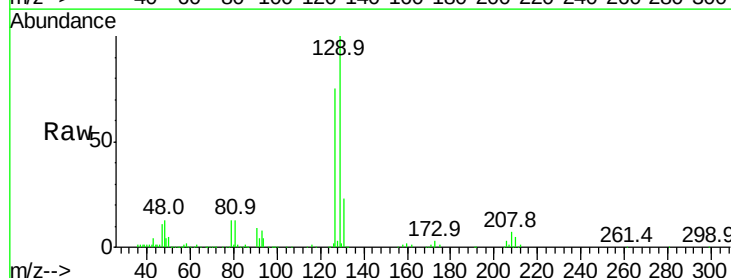


Abundance Ion 43.05 (42.75 to 43.75): VV014156.D (-2112) (-)
Ion 58.05 (57.75 to 58.75): VV014156.D (-2112) (-)
Ion 57.20 (56.90 to 57.90): VV014156.D (-2112) (-)
Ion 100.15 (99.85 to 100.85): VV014156.D (-2112) (-)

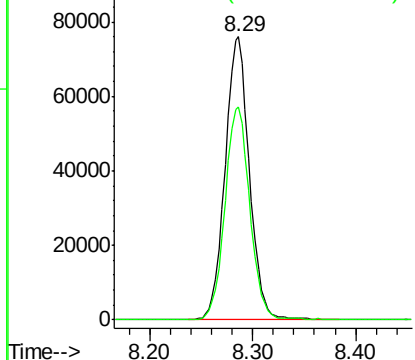
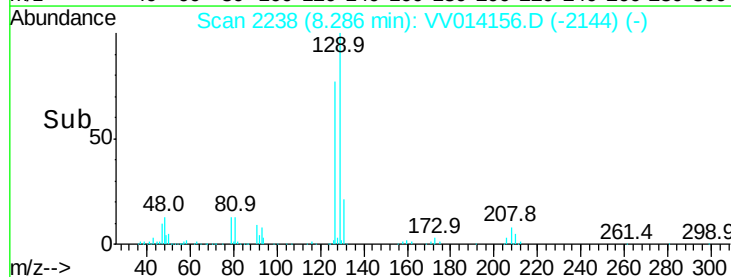


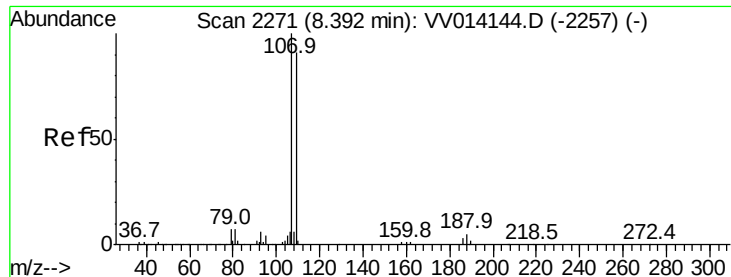
#49
Dibromochloromethane
Concen: 5.957 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV014156.D
Acq: 23 Dec 2019 11:54

Tgt Ion:	129	Resp:	124676
Ion	Ratio	Lower	Upper
129	100		
127	75.1	55.7	103.5



Abundance Ion 128.95 (128.65 to 129.65): VV014156.D (-2144) (-)
Ion 126.90 (126.60 to 127.60): VV014156.D (-2144) (-)





#50

1,2-Dibromoethane

Concen: 5.900 ug/L

RT: 8.39 min Scan# 2271

Delta R.T. 0.00 min

Lab File: VV014156.D

Acq: 23 Dec 2019 11:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD00535

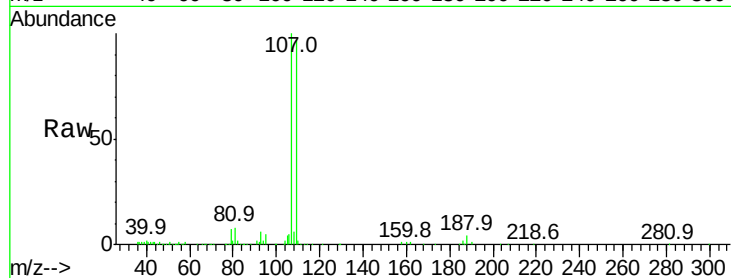
Tgt Ion:107 Resp: 87185

Ion Ratio Lower Upper

107 100

109 97.3 65.2 121.0

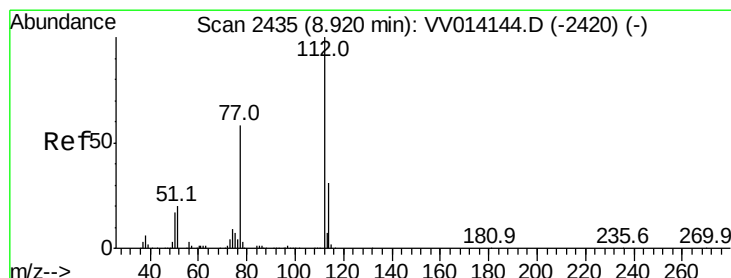
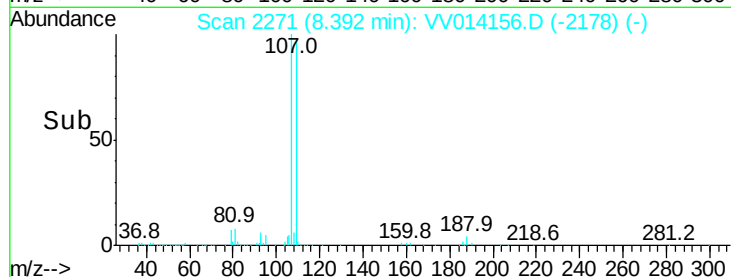
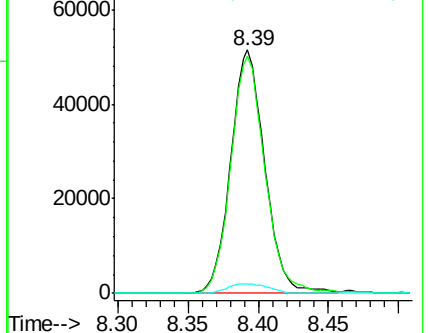
188 4.0 4.2 6.2#



Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51

Chlorobenzene

Concen: 5.863 ug/L

RT: 8.92 min Scan# 2435

Delta R.T. -0.00 min

Lab File: VV014156.D

Acq: 23 Dec 2019 11:54

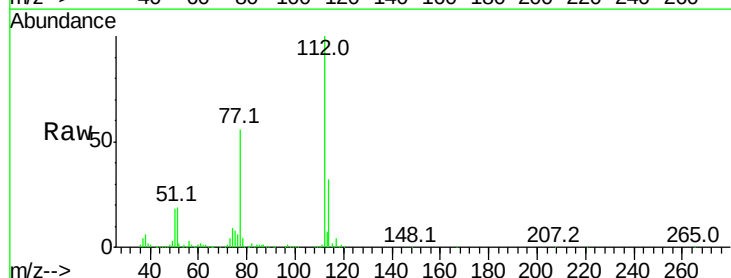
Tgt Ion:112 Resp: 389818

Ion Ratio Lower Upper

112 100

114 31.9 21.8 40.6

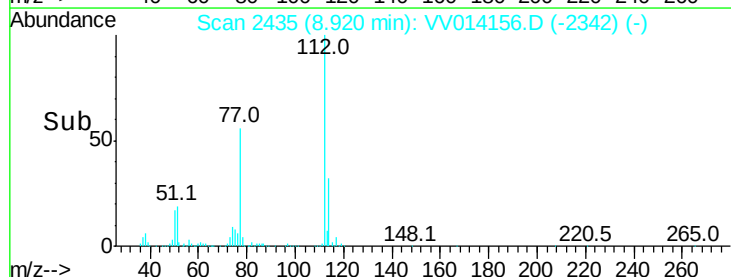
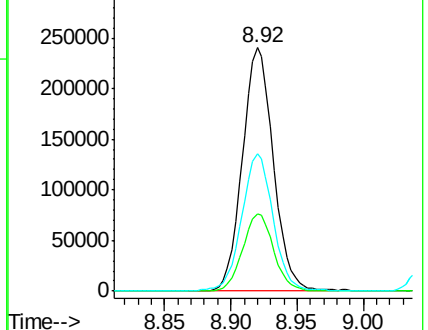
77 56.4 44.2 66.4

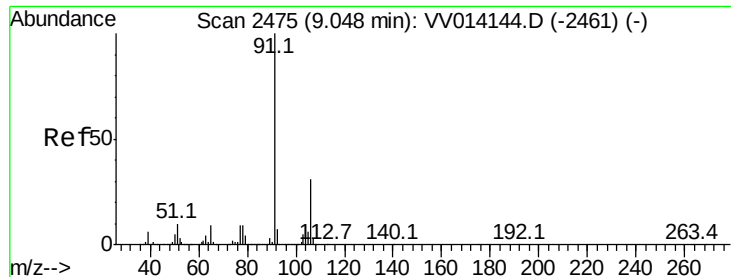


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 6.171 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV014156.D

Acq: 23 Dec 2019 11:54

Instrument :

MSVOA_V

ClientSampleId :

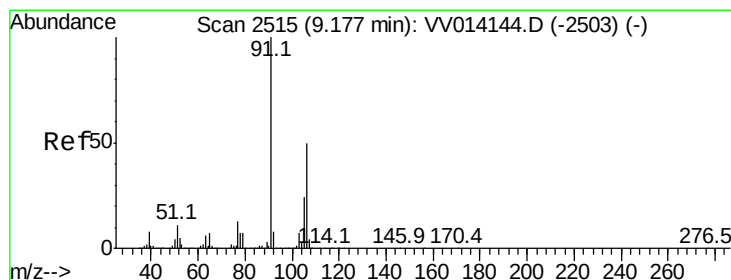
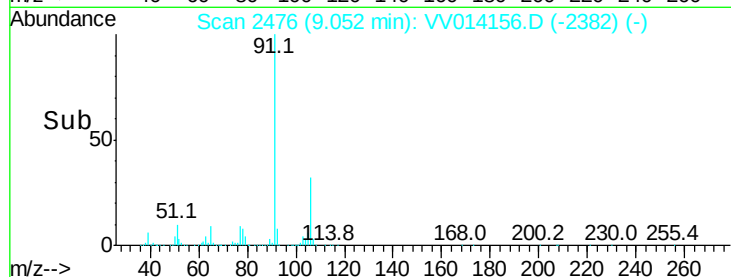
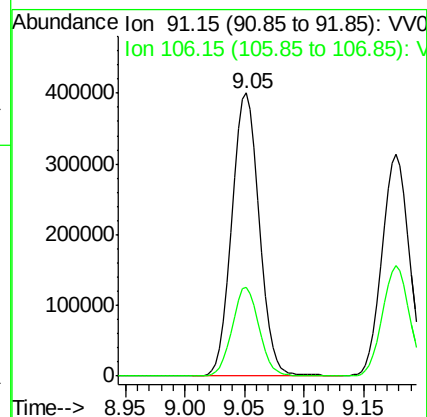
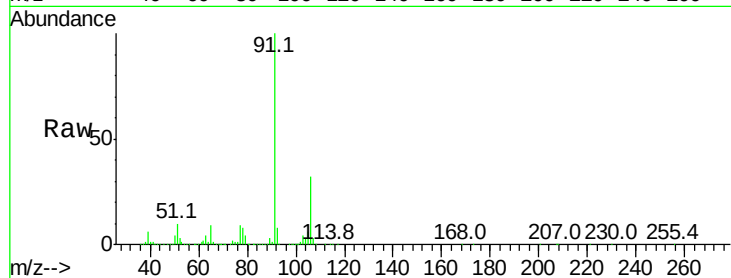
VSTD00535

Tgt Ion: 91 Resp: 640656

Ion Ratio Lower Upper

91 100

106 31.5 22.1 41.1



#53

m,p-xylene

Concen: 6.313 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV014156.D

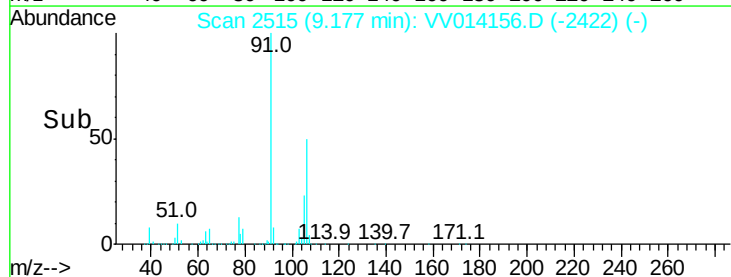
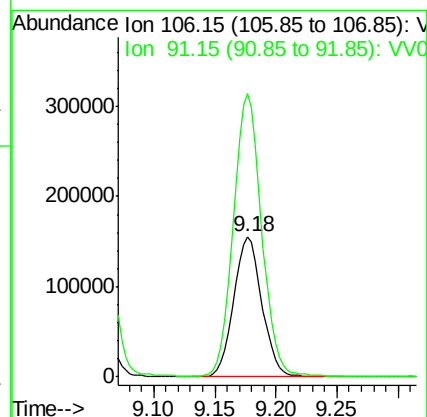
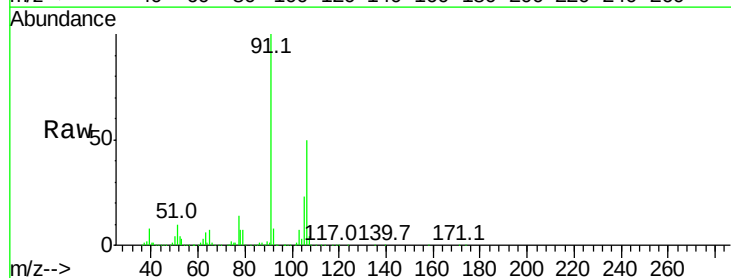
Acq: 23 Dec 2019 11:54

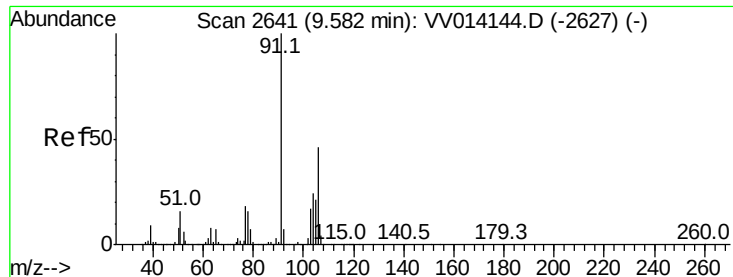
Tgt Ion: 106 Resp: 249856

Ion Ratio Lower Upper

106 100

91 201.6 139.9 259.9





#54

o-xylene

Concen: 6.091 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV014156.D

Acq: 23 Dec 2019 11:54

Instrument :

MSVOA_V

ClientSampleId :

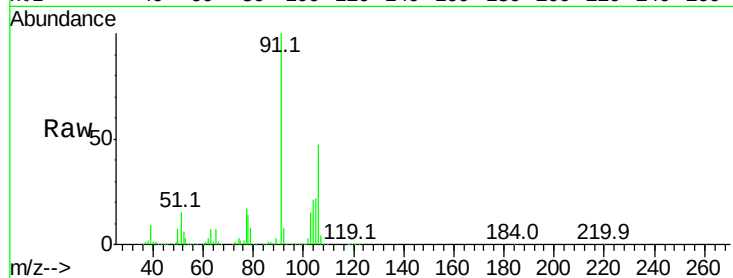
VSTD00535

Tgt Ion:106 Resp: 235332

Ion Ratio Lower Upper

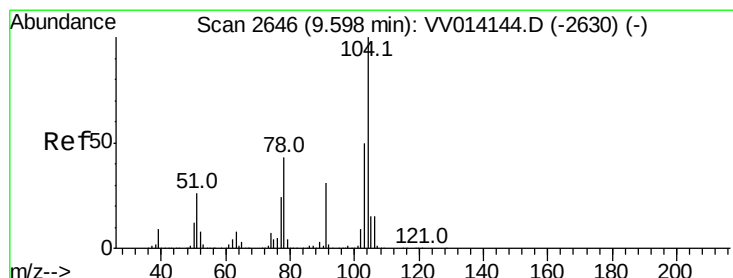
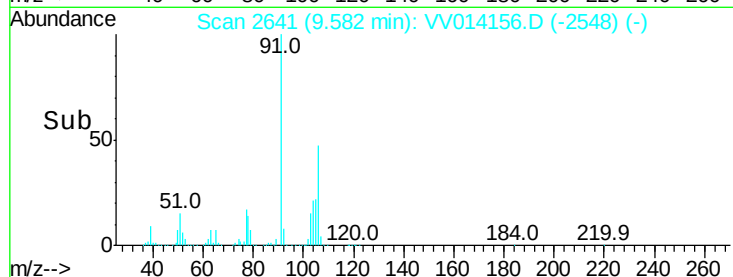
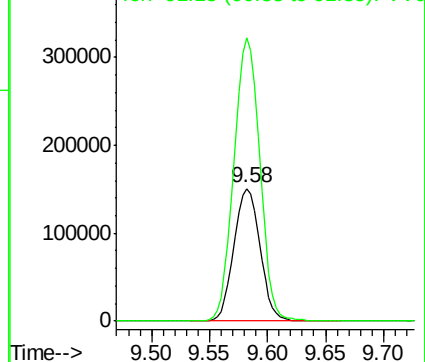
106 100

91 212.9 145.5 270.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 6.237 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. 0.00 min

Lab File: VV014156.D

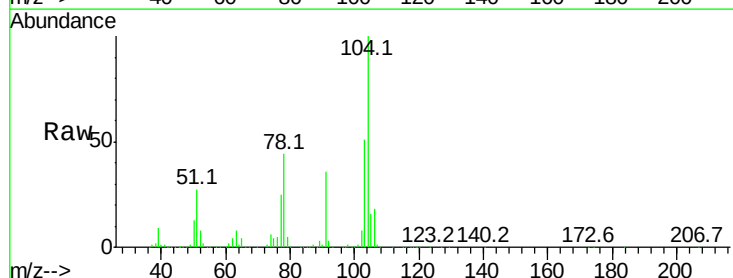
Acq: 23 Dec 2019 11:54

Tgt Ion:104 Resp: 416088

Ion Ratio Lower Upper

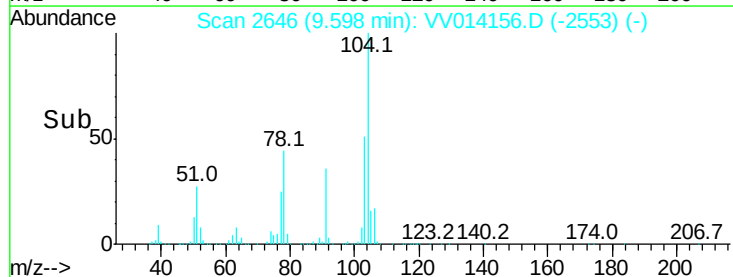
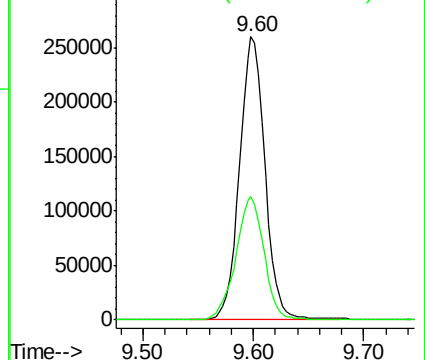
104 100

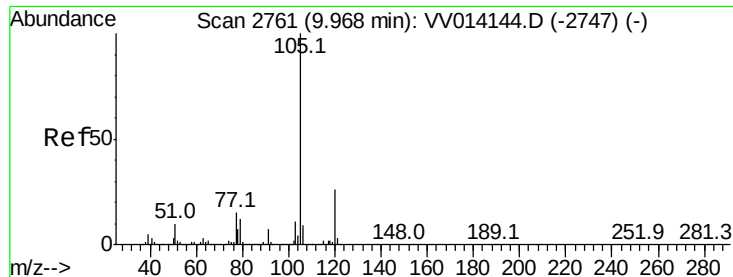
78 43.6 31.0 57.6



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 6.025 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV014156.D

Acq: 23 Dec 2019 11:54

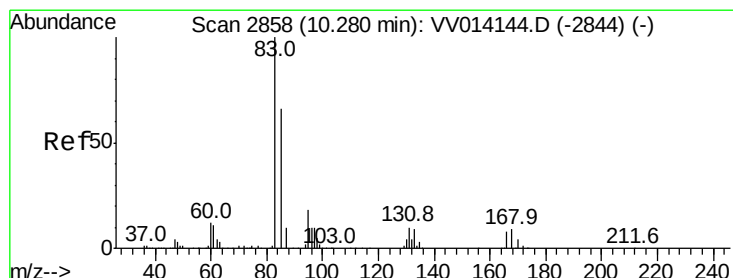
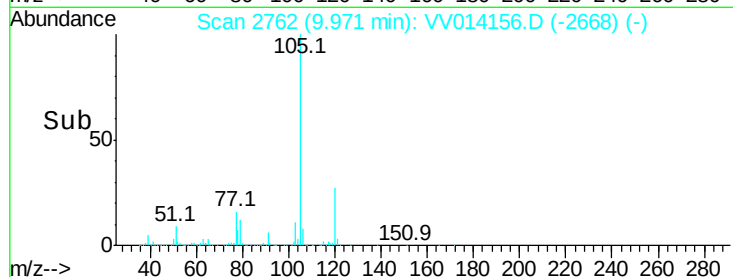
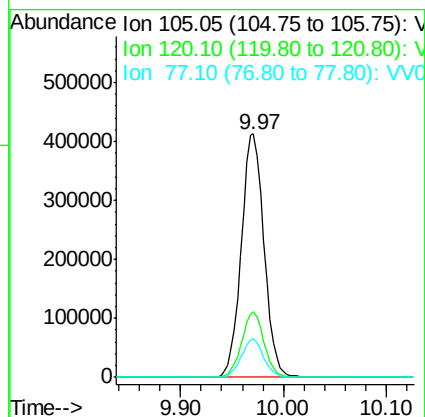
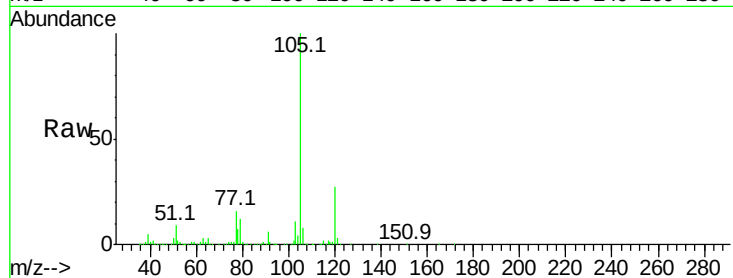
Instrument :

MSVOA_V

ClientSampled :

VSTD00535

Tgt Ion:	105	Resp:	634343
Ion Ratio	Lower	Upper	
105	100		
120	26.4	21.3	31.9
77	15.5	12.1	18.1



#58

1,1,2,2-Tetrachloroethane

Concen: 6.211 ug/L

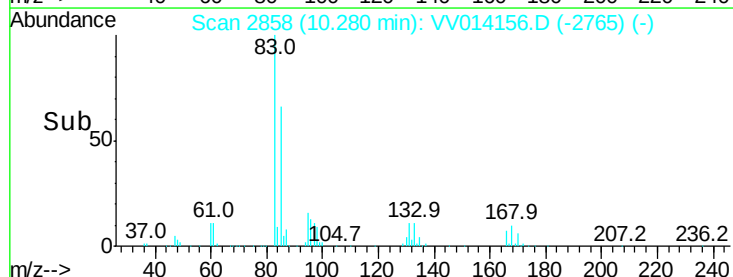
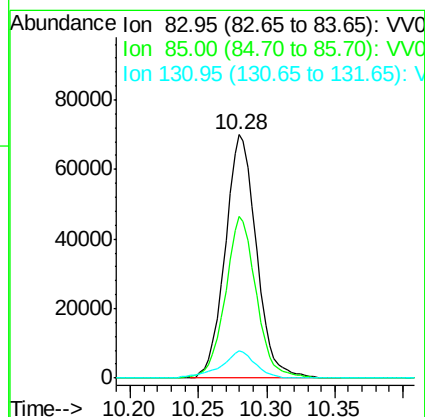
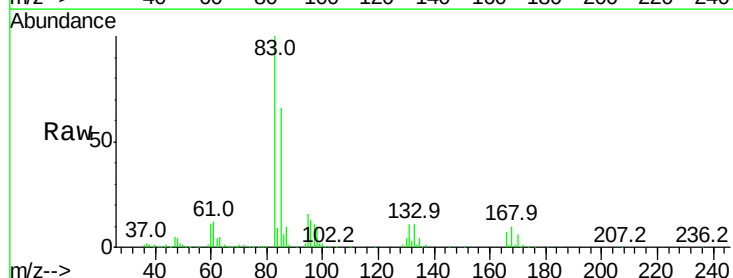
RT: 10.28 min Scan# 2858

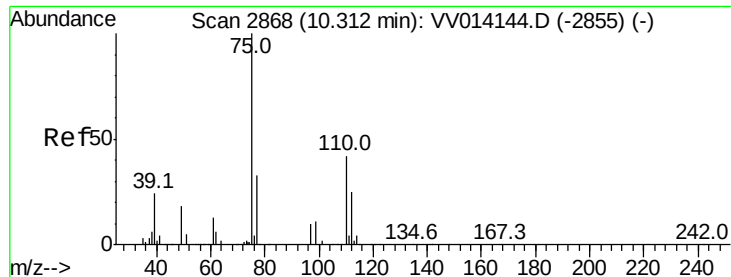
Delta R.T. 0.00 min

Lab File: VV014156.D

Acq: 23 Dec 2019 11:54

Tgt Ion:	83	Resp:	111365
Ion Ratio	Lower	Upper	
83	100		
85	66.2	45.1	83.7
131	11.1	9.3	13.9

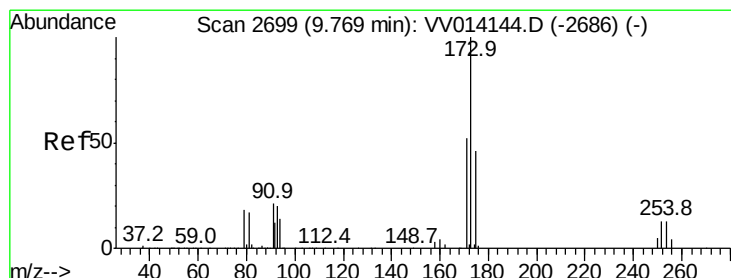
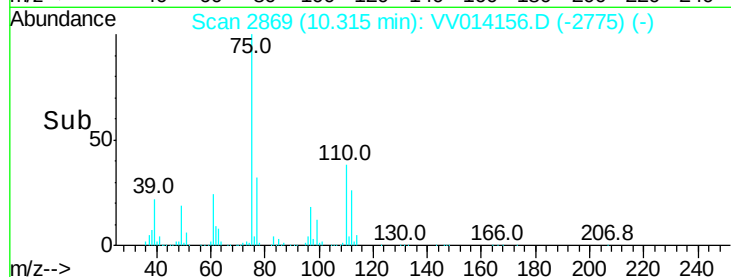
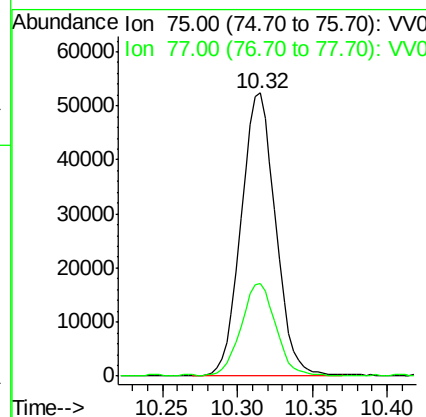
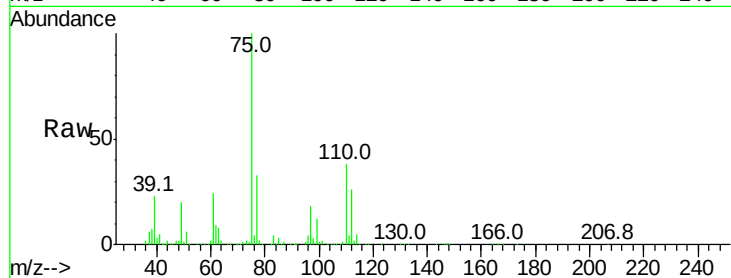




#59
 1,2,3-Trichloropropane
 Concen: 5.984 ug/L
 RT: 10.32 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VV014156.D
 Acq: 23 Dec 2019 11:54

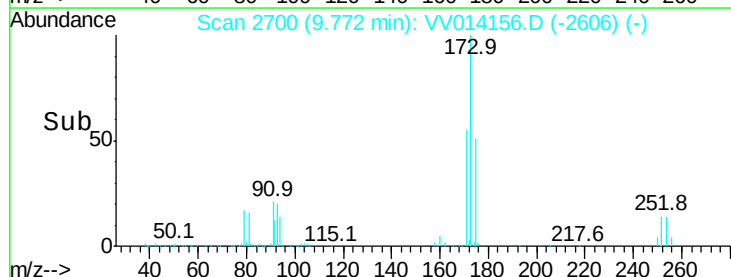
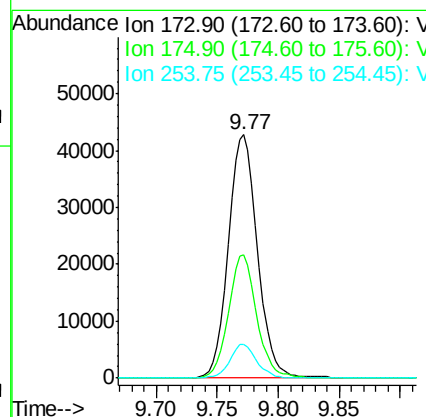
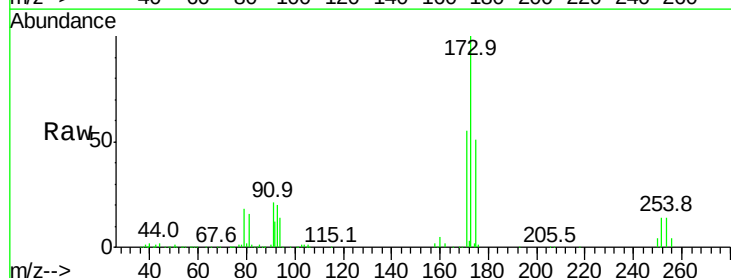
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00535

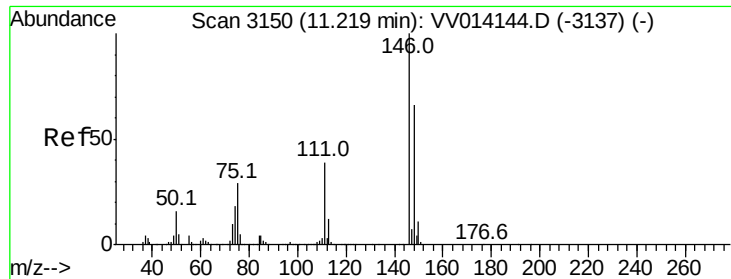
Tgt Ion: 75 Resp: 84105
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.7 38.5



#61
 Bromoform
 Concen: 5.884 ug/L
 RT: 9.77 min Scan# 2700
 Delta R.T. 0.00 min
 Lab File: VV014156.D
 Acq: 23 Dec 2019 11:54

Tgt Ion: 173 Resp: 71575
 Ion Ratio Lower Upper
 173 100
 175 49.1 39.1 58.7
 254 12.9 10.4 15.6

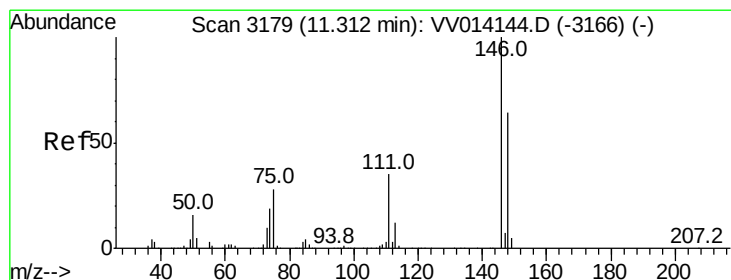
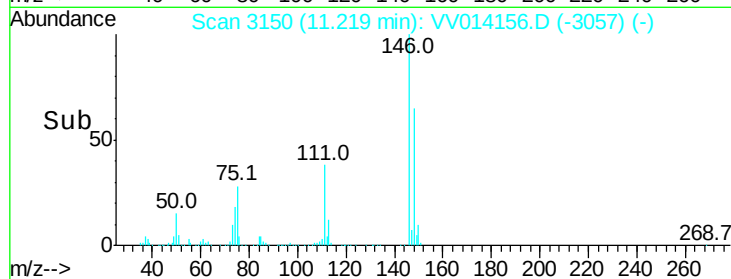
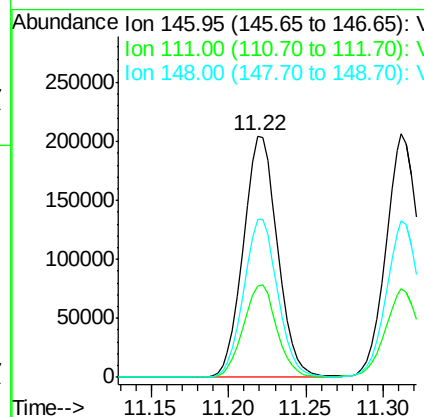
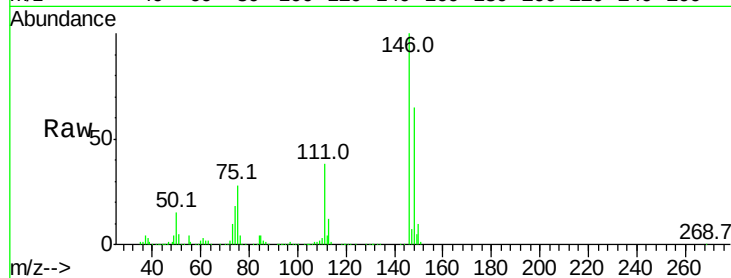




#62
 1,3-Dichlorobenzene
 Concen: 5.620 ug/L
 RT: 11.22 min Scan# 3150
 Delta R.T. 0.00 min
 Lab File: VV014156.D
 Acq: 23 Dec 2019 11:54

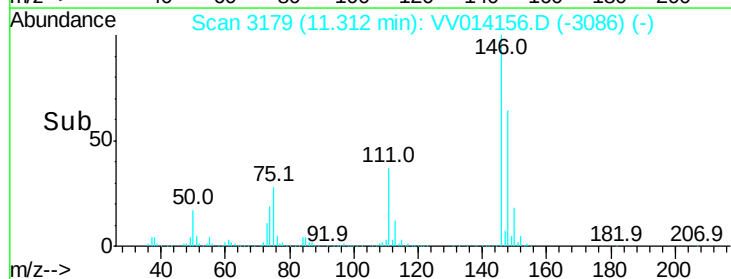
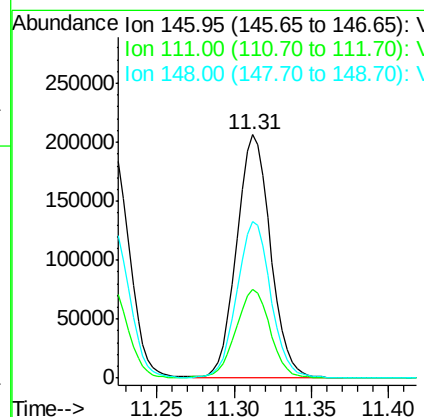
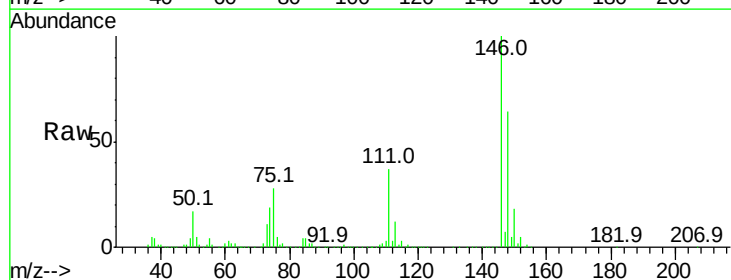
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00535

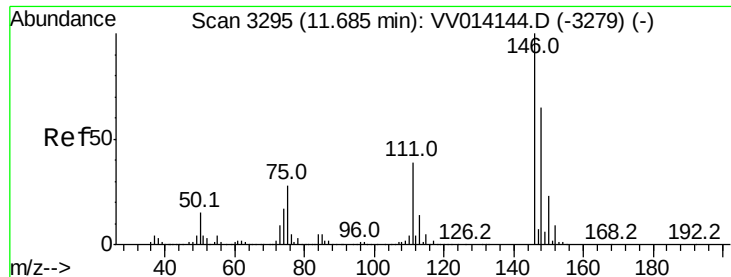
Tgt Ion:146 Resp: 315565
 Ion Ratio Lower Upper
 146 100
 111 37.8 25.6 47.6
 148 65.3 44.7 82.9



#63
 1,4-Dichlorobenzene
 Concen: 5.452 ug/L
 RT: 11.31 min Scan# 3179
 Delta R.T. 0.00 min
 Lab File: VV014156.D
 Acq: 23 Dec 2019 11:54

Tgt Ion:146 Resp: 311625
 Ion Ratio Lower Upper
 146 100
 111 36.7 25.0 46.4
 148 64.4 45.4 84.2





#65

1,2-Dichlorobenzene

Concen: 5.566 ug/L

RT: 11.68 min Scan# 3295

Delta R.T. 0.00 min

Lab File: VV014156.D

Acq: 23 Dec 2019 11:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD00535

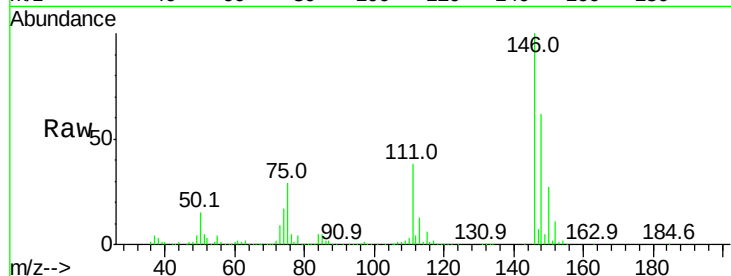
Tgt Ion:146 Resp: 290059

Ion Ratio Lower Upper

146 100

111 38.4 31.3 46.9

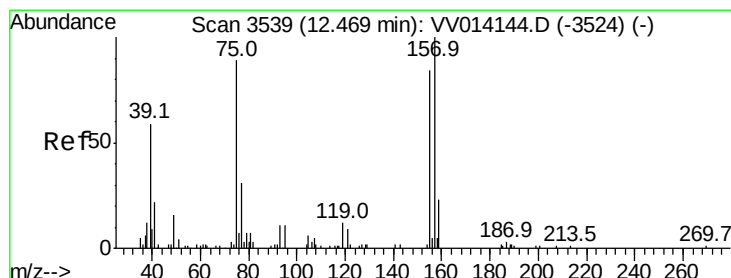
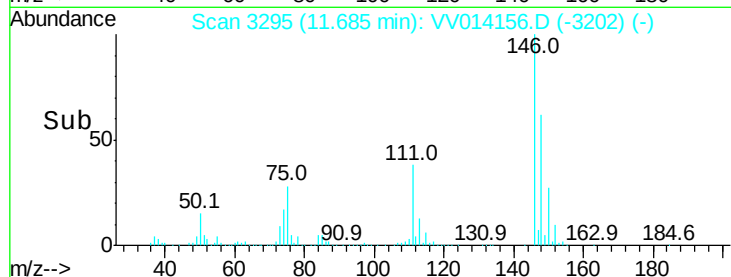
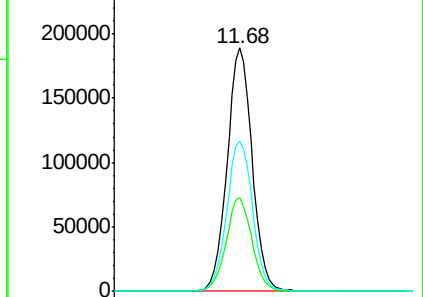
148 61.8 52.2 78.2



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: 5.555 ug/L

RT: 12.47 min Scan# 3539

Delta R.T. 0.00 min

Lab File: VV014156.D

Acq: 23 Dec 2019 11:54

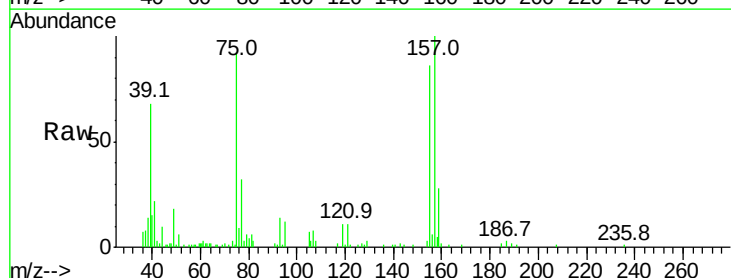
Tgt Ion: 75 Resp: 16823

Ion Ratio Lower Upper

75 100

155 93.8 73.4 110.0

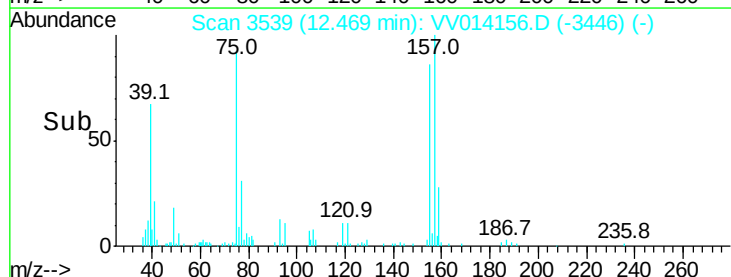
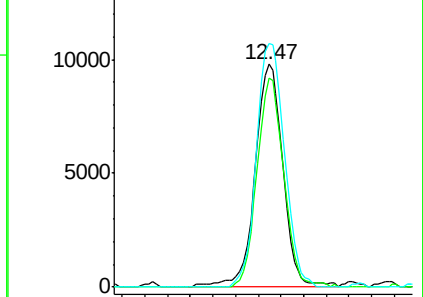
157 109.2 98.7 148.1

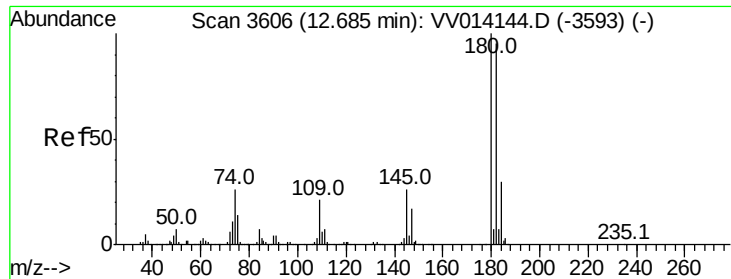


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

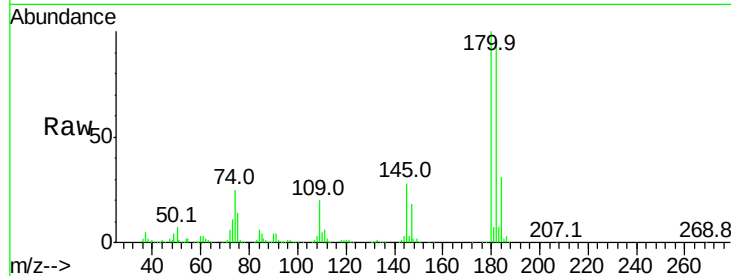




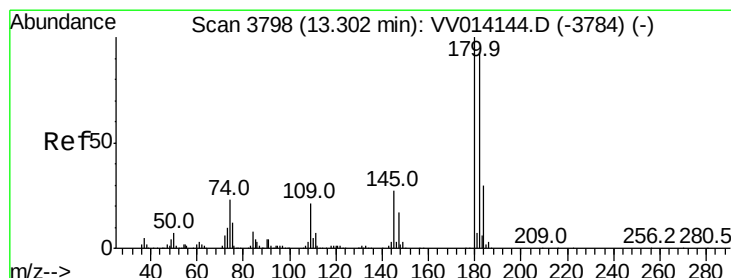
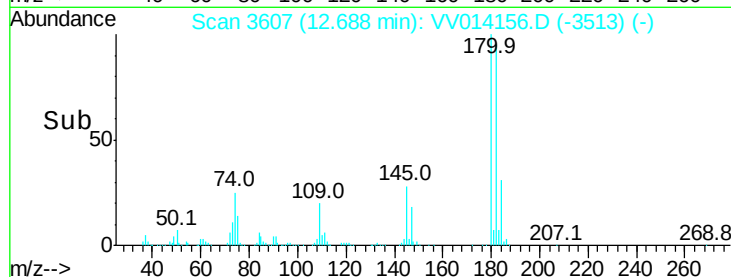
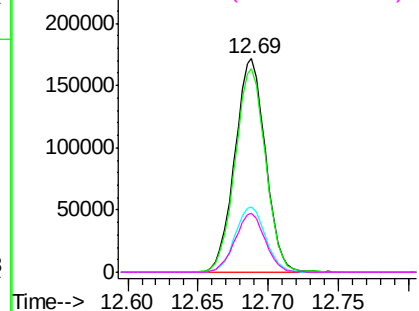
#67
 1,3,5-Trichlorobenzene
 Concen: 5.496 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV014156.D
 Acq: 23 Dec 2019 11:54

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00535

Tgt Ion:	180	Resp:	260693
Ion	Ratio	Lower	Upper
180	100		
182	94.9	74.8	112.2
184	30.5	23.2	34.8
145	27.2	21.3	31.9

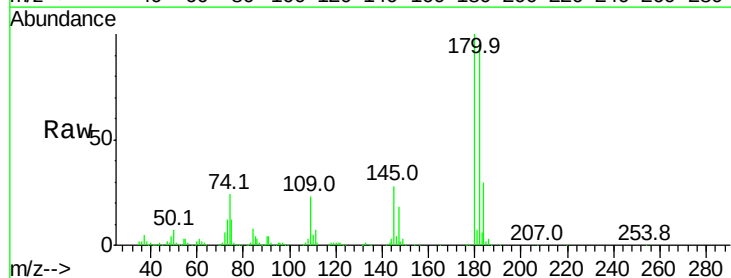


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

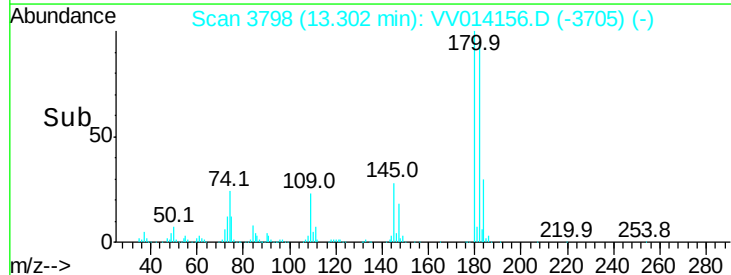
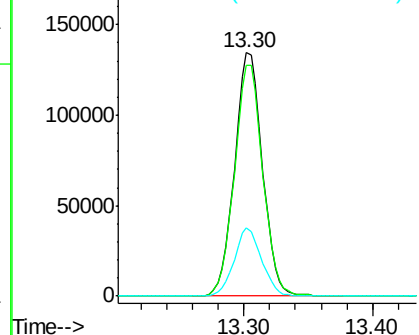


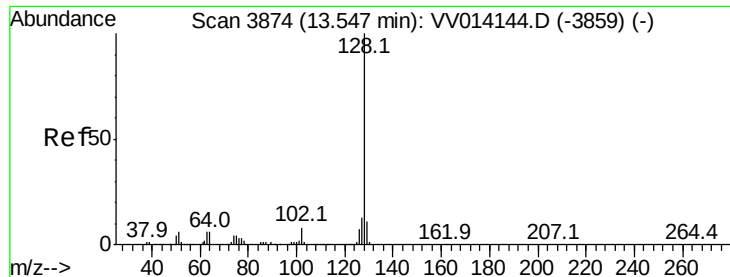
#68
 1,2,4-trichlorobenzene
 Concen: 5.193 ug/L
 RT: 13.30 min Scan# 3798
 Delta R.T. 0.00 min
 Lab File: VV014156.D
 Acq: 23 Dec 2019 11:54

Tgt Ion:	180	Resp:	201987
Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.2	114.4
145	27.5	21.0	31.6



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





#69

Naphthalene

Concen: 4.894 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV014156.D

Acq: 23 Dec 2019 11:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD00535

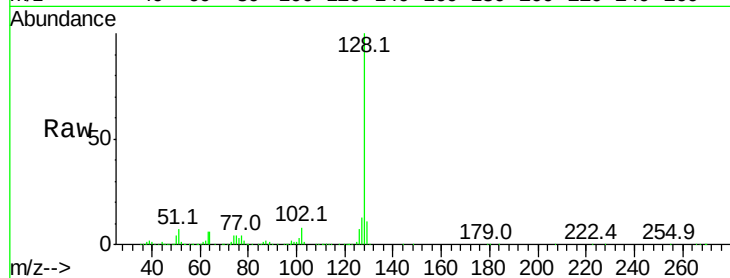
Tgt Ion:128 Resp: 259231

Ion Ratio Lower Upper

128 100

129 10.7 8.6 12.8

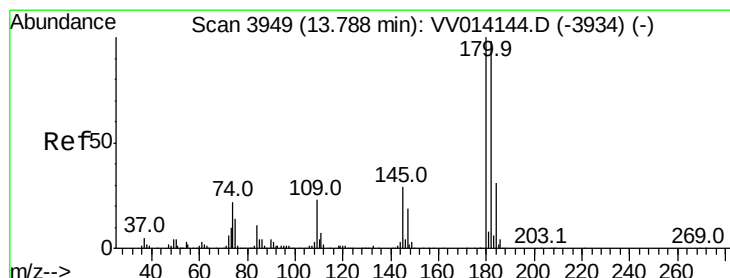
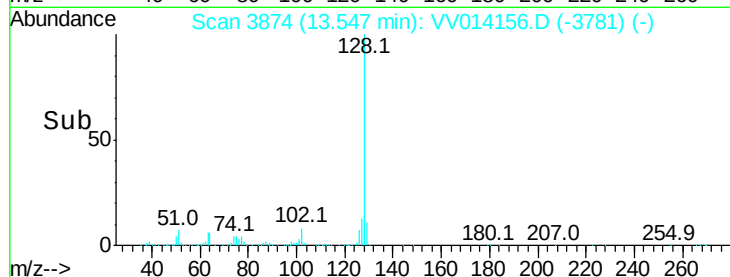
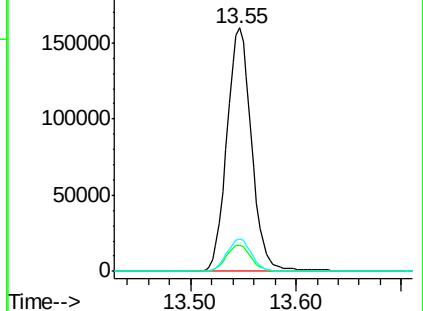
127 13.5 10.6 16.0



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: 5.570 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV014156.D

Acq: 23 Dec 2019 11:54

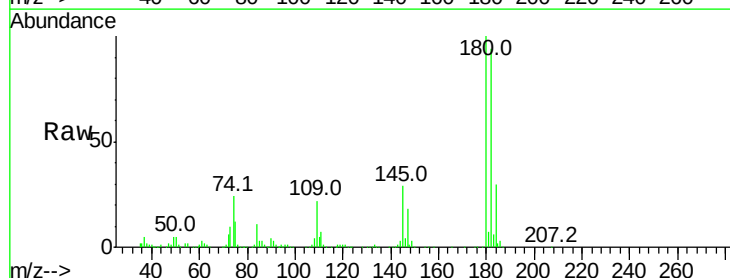
Tgt Ion:180 Resp: 197399

Ion Ratio Lower Upper

180 100

182 94.2 78.5 117.7

145 29.3 23.8 35.8



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

