

Data File : VV010047.D
Acq On : 01 Apr 2019 14:36
Operator : SY/MD
Sample : VSTD2.576
Misc : 5.00G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.561

Quant Time: Apr 01 16:33:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040119S.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 01 16:30:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	291209	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	266681	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	126516	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	10111	1.71	ug/L	0.00
7) Chloroethane-d5	1.58	69	15987	2.50	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	27199	1.68	ug/L	0.00
20) 2-Butanone-d5	3.95	46	858	0.78	ug/L	0.02
24) Chloroform-d	4.40	84	18844	2.54	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	9647	2.16	ug/L	0.00
29) Benzene-d6	5.10	84	36624	2.62	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	9310	2.27	ug/L	0.00
37) Toluene-d8	7.36	98	31788	2.40	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.66	79	3388	2.02	ug/L	0.00
39) 2-Hexanone-d5	8.14	63	2824	3.69	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	8587	2.12	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	12699	2.64	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	13131	2.913 ug/L	97
3) Chloromethane	1.25	50	12425	2.385 ug/L	93
5) Vinyl chloride	1.33	62	12904	1.905 ug/L	85
6) Bromomethane	1.54	94	15795	2.338 ug/L	99
8) Chloroethane	1.60	64	14224	2.437 ug/L	100
9) Trichlorofluoromethane	1.77	101	26305	1.821 ug/L	95
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	14624	1.741 ug/L	98
12) 1,1-Dichloroethene	2.14	96	11760	1.651 ug/L	97
13) Acetone	2.21	43	5539	3.322 ug/L	94
14) Carbon disulfide	2.32	76	25099	2.604 ug/L	98
15) Methyl Acetate	2.47	43	3927	2.011 ug/L #	74
16) Methylene chloride	2.54	84	21646	4.514 ug/L	98
17) Methyl tert-butyl Ether	2.81	73	20108	2.163 ug/L	96
18) trans-1,2-Dichloroethene	2.79	96	9865	2.585 ug/L	93
19) 1,1-Dichloroethane	3.23	63	16727	2.397 ug/L #	97
21) 2-Butanone	4.05	43	2648	1.783 ug/L	87
22) cis-1,2-Dichloroethene	3.96	96	10452	2.481 ug/L	87
23) Bromochloromethane	4.30	128	2958	1.521 ug/L #	85
25) Chloroform	4.43	83	18027	2.337 ug/L	96
27) 1,2-Dichloroethane	5.18	62	12005	2.196 ug/L	98
30) Cyclohexane	4.73	56	13571	2.524 ug/L	91
31) 1,1,1-Trichloroethane	4.66	97	15924	2.984 ug/L	99
32) Carbon tetrachloride	4.87	117	14176	3.056 ug/L	100
34) Benzene	5.15	78	38591	2.635 ug/L	100
35) Trichloroethene	5.96	95	11309	2.928 ug/L	96
36) Methylcyclohexane	6.17	83	16323	2.693 ug/L	96
40) 1,2-Dichloropropane	6.22	63	9199	2.514 ug/L #	94
41) Bromodichloromethane	6.56	83	10390	2.283 ug/L #	92
42) cis-1,3-Dichloropropene	7.07	75	10537	1.975 ug/L	100
43) 4-Methyl-2-pentanone	7.28	43	11819	4.526 ug/L #	94

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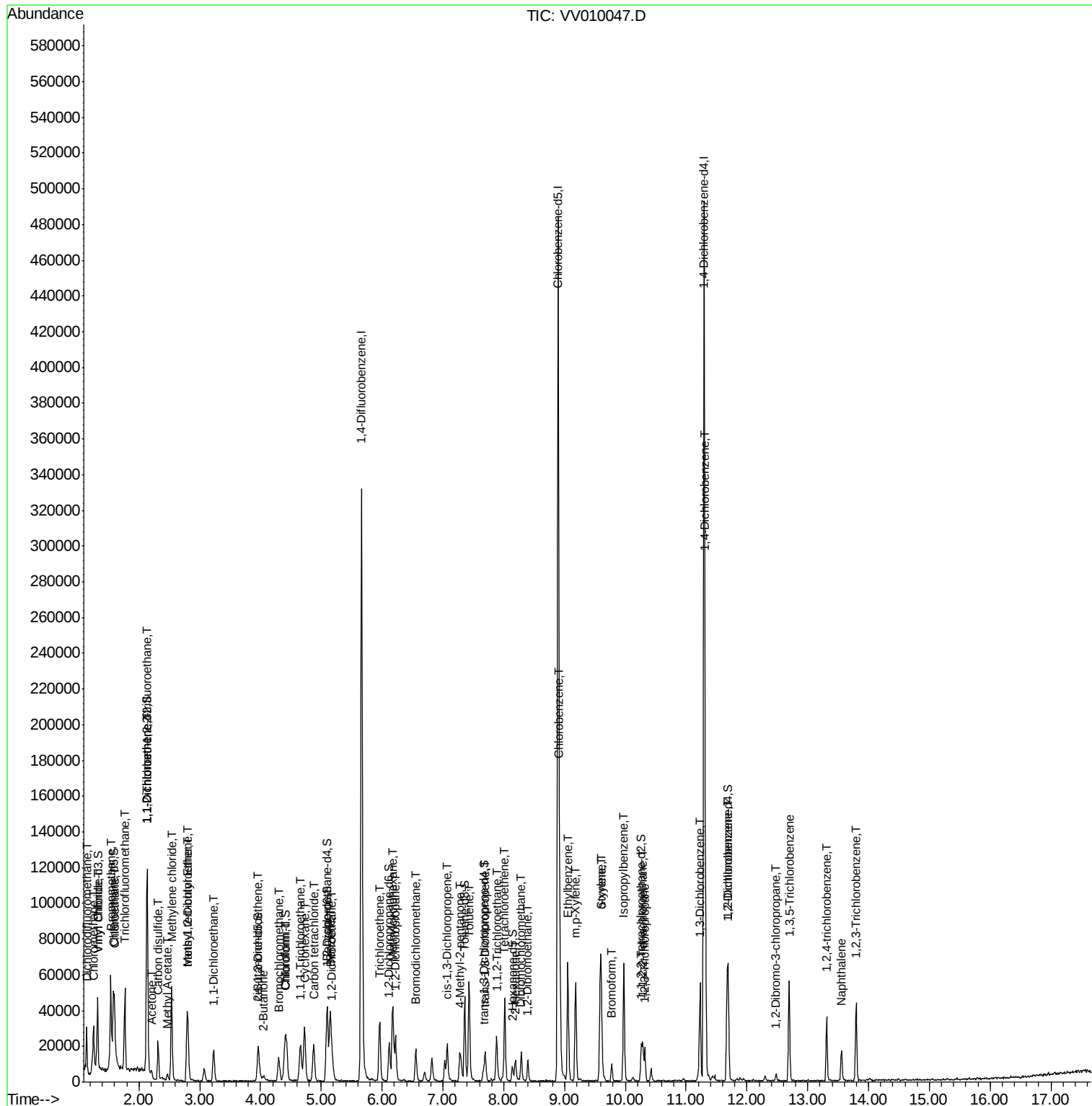
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	7.43	91	40658	2.518	ug/L	93
45) trans-1,3-Dichloropropene	7.69	75	9662	2.212	ug/L	94
46) 1,1,2-Trichloroethane	7.88	97	6747	2.229	ug/L	87
47) Tetrachloroethene	8.02	164	9648	3.165	ug/L	96
49) 2-Hexanone	8.19	43	8153	4.620	ug/L #	91
50) Dibromochloromethane	8.29	129	7589	2.418	ug/L	92
51) 1,2-Dibromoethane	8.40	107	7069	2.406	ug/L #	88
52) Chlorobenzene	8.92	112	29037	2.702	ug/L	97
53) Ethylbenzene	9.05	91	46128	2.590	ug/L	100
54) m,p-Xylene	9.18	106	17030	2.435	ug/L	95
55) o-xylene	9.59	106	14488	2.134	ug/L	91
56) Styrene	9.60	104	25379	2.176	ug/L	92
57) Isopropylbenzene	9.97	105	42596	2.418	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	8550	2.096	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	7107	2.414	ug/L	93
62) Bromoform	9.77	173	3673	2.257	ug/L #	93
63) 1,3-Dichlorobenzene	11.23	146	21481	2.745	ug/L	97
64) 1,4-Dichlorobenzene	11.32	146	23307	2.741	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	20401	2.642	ug/L	94
66) 1,2-Dibromo-3-chloropropan	12.48	75	1002	2.076	ug/L	90
67) 1,3,5-Trichlorobenzene	12.69	180	15660	2.818	ug/L	95
68) 1,2,4-trichlorobenzene	13.31	180	10150	2.476	ug/L #	83
69) Naphthalene	13.55	128	13552	1.989	ug/L	98
70) 1,2,3-Trichlorobenzene	13.79	180	9422	2.417	ug/L	94

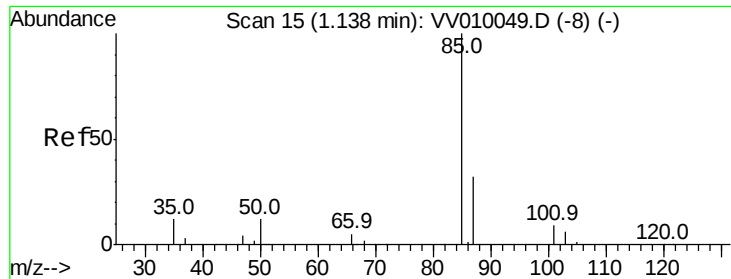
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 2.913 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV010047.D

Acq: 01 Apr 2019 14:36

Instrument :

MSVOA_V

ClientSampleId :

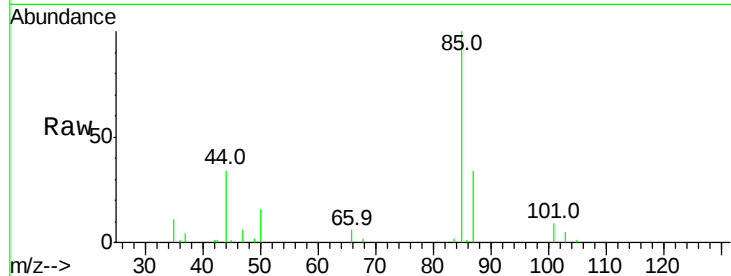
VSTD2.561

Tgt Ion: 85 Resp: 13131

Ion Ratio Lower Upper

85 100

87 34.0 22.6 42.0



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

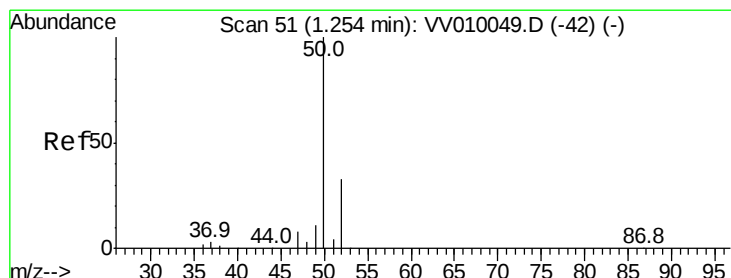
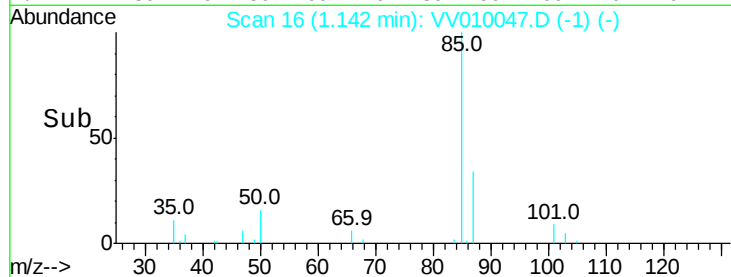
15000

10000

5000

0

Time--> 1.10 1.15 1.20



#3

Chloromethane

Concen: 2.385 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV010047.D

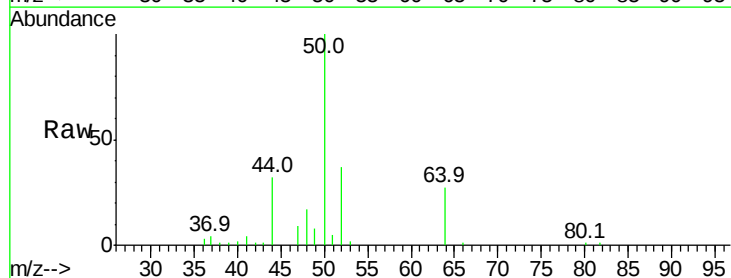
Acq: 01 Apr 2019 14:36

Tgt Ion: 50 Resp: 12425

Ion Ratio Lower Upper

50 100

52 36.8 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

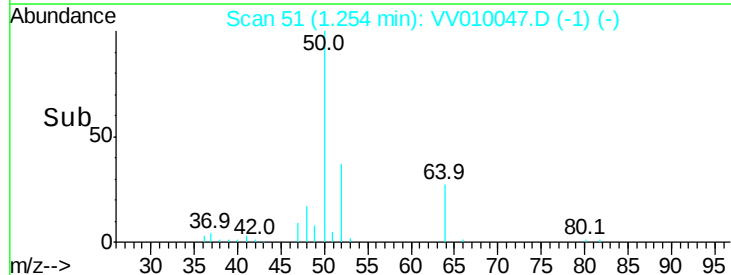
1.25

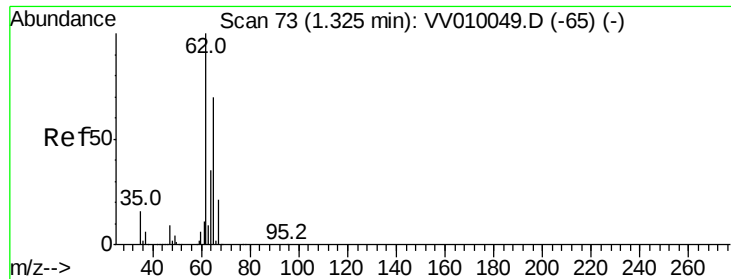
10000

5000

0

Time--> 1.20 1.25 1.30





#5

Vinyl chloride

Concen: 1.905 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV010047.D

Acq: 01 Apr 2019 14:36

Instrument :

MSVOA_V

ClientSampleId :

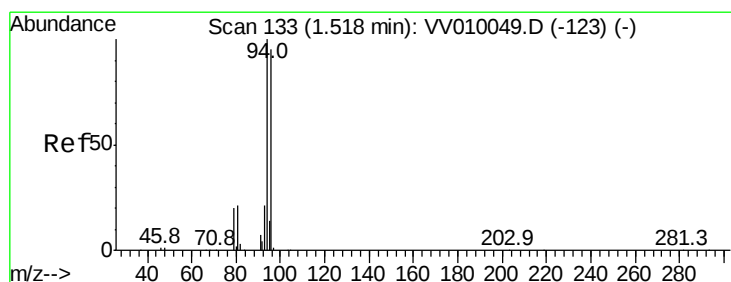
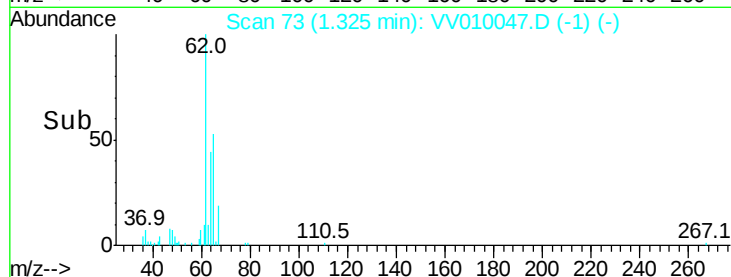
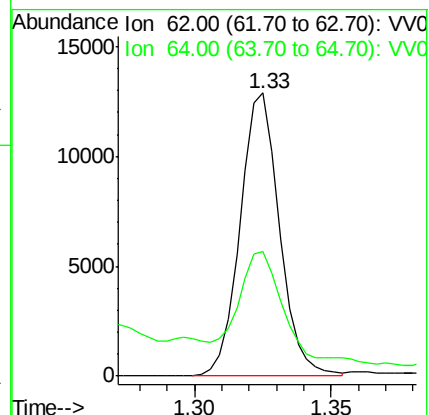
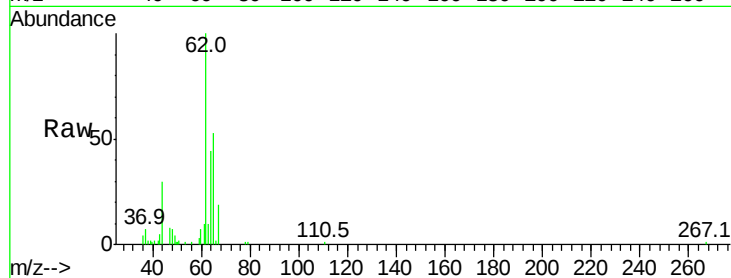
VSTD2.561

Tgt Ion: 62 Resp: 12904

Ion Ratio Lower Upper

62 100

64 44.2 24.8 46.0



#6

Bromomethane

Concen: 2.338 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.02 min

Lab File: VV010047.D

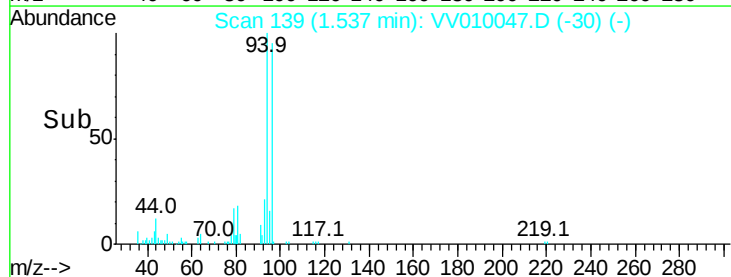
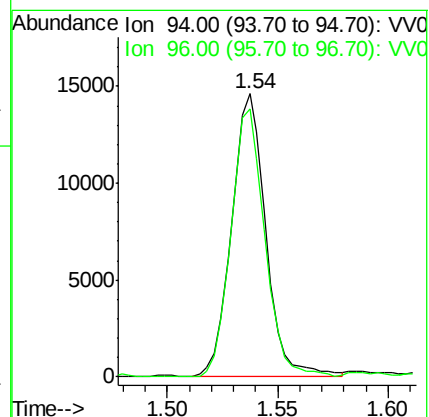
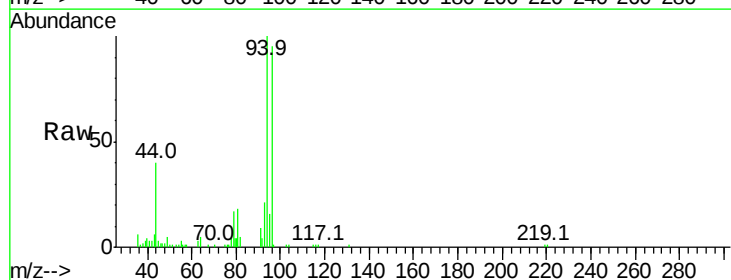
Acq: 01 Apr 2019 14:36

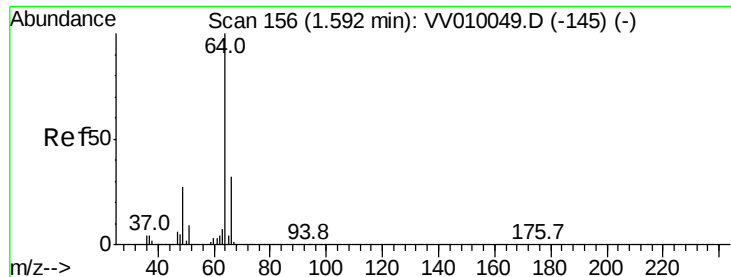
Tgt Ion: 94 Resp: 15795

Ion Ratio Lower Upper

94 100

96 93.3 9.4 179.5





#8

Chloroethane

Concen: 2.437 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.01 min

Lab File: VV010047.D

Acq: 01 Apr 2019 14:36

Instrument :

MSVOA_V

ClientSampleId :

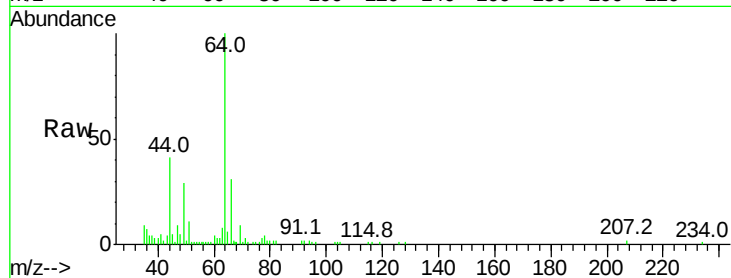
VSTD2.561

Tgt Ion: 64 Resp: 14224

Ion Ratio Lower Upper

64 100

66 31.4 22.1 41.1



Abundance Ion 64.00 (63.70 to 64.70): VV010047.D (-158) (-)

Ion 66.00 (65.70 to 66.70): VV010047.D (-158) (-)

1.60

15000

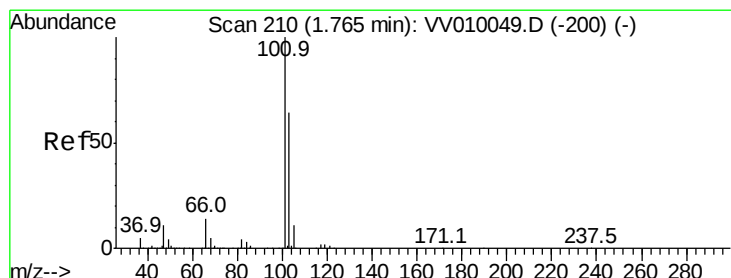
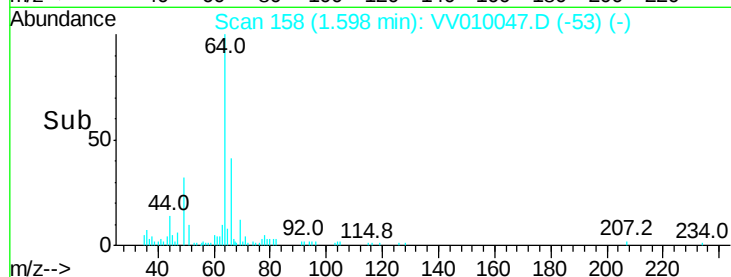
10000

5000

0

Time-->

1.56 1.58 1.60 1.62 1.64



#9

Trichlorofluoromethane

Concen: 1.821 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV010047.D

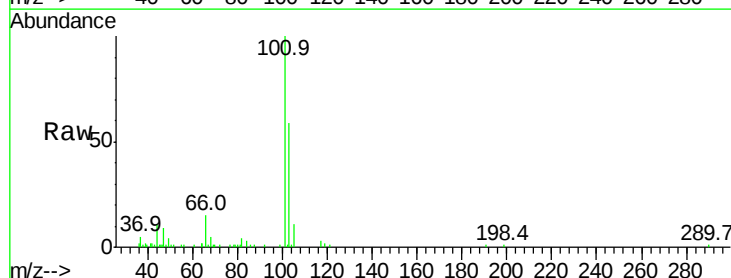
Acq: 01 Apr 2019 14:36

Tgt Ion: 101 Resp: 26305

Ion Ratio Lower Upper

101 100

103 60.8 45.1 83.9



Abundance Ion 101.00 (100.70 to 101.70): VV010047.D (-210) (-)

Ion 103.00 (102.70 to 103.70): VV010047.D (-210) (-)

1.77

20000

15000

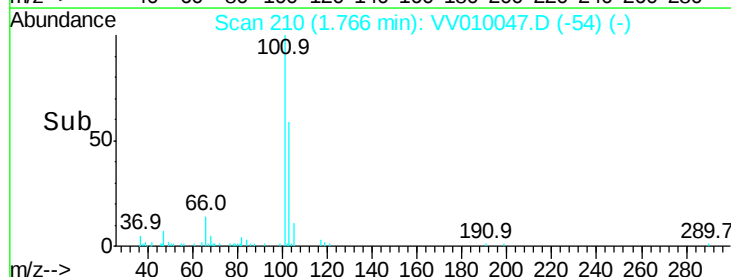
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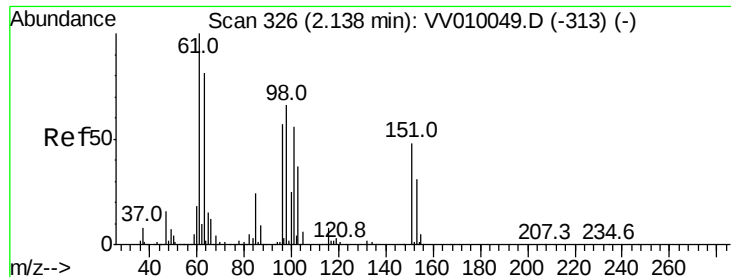
5000

0

Time-->

1.75 1.77 1.79 1.81





#11

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

Concen: 1.741 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV010047.D

Acq: 01 Apr 2019 14:36

Instrument :

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ClientSampleId :

VSTD2.561

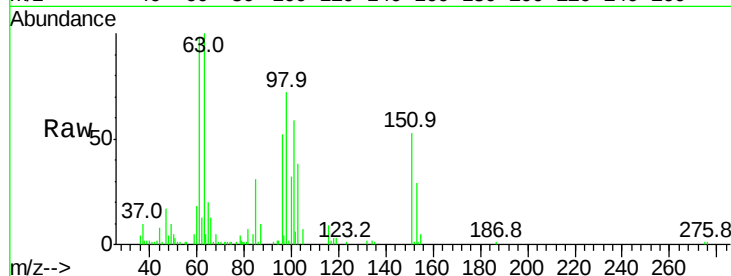
Tgt Ion: 101 Resp: 14624

Ion Ratio Lower Upper

101 100

85 48.0 37.0 55.4

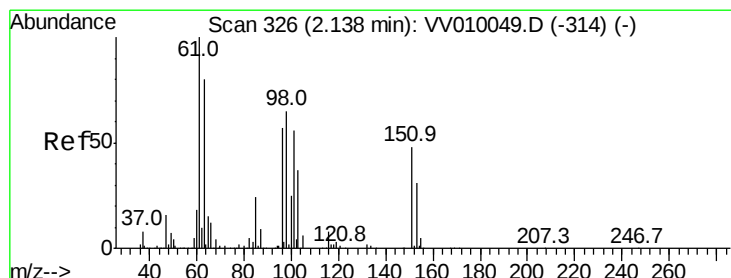
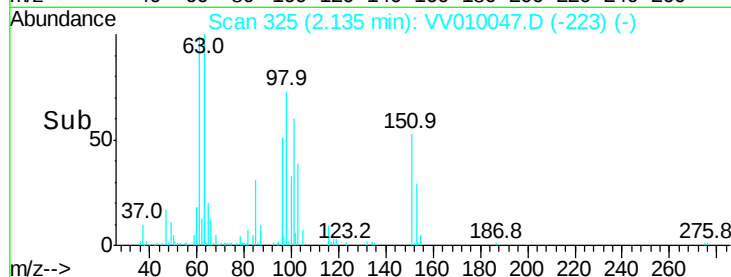
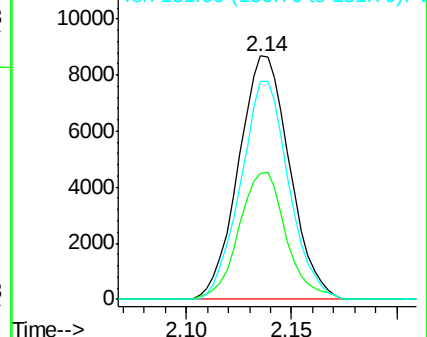
151 84.1 66.4 99.6



Abundance Ion 101.00 (100.70 to 101.70): VV010049.D (-313) (-)

Ion 85.00 (84.70 to 85.70): VV010049.D (-313) (-)

Ion 151.00 (150.70 to 151.70): VV010049.D (-313) (-)



#12

1,1-Dichloroethene

Concen: 1.651 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV010047.D

Acq: 01 Apr 2019 14:36

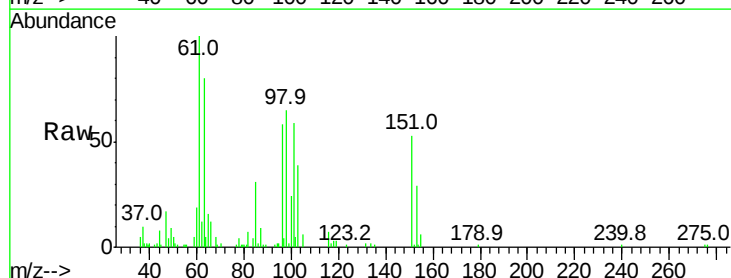
Tgt Ion: 96 Resp: 11760

Ion Ratio Lower Upper

96 100

61 173.0 123.5 229.3

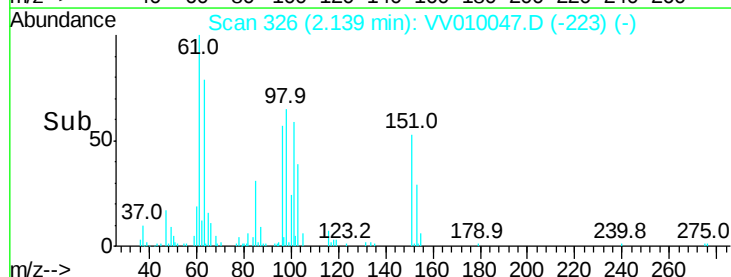
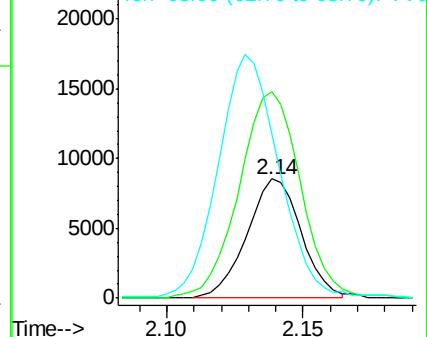
63 137.6 100.1 185.9

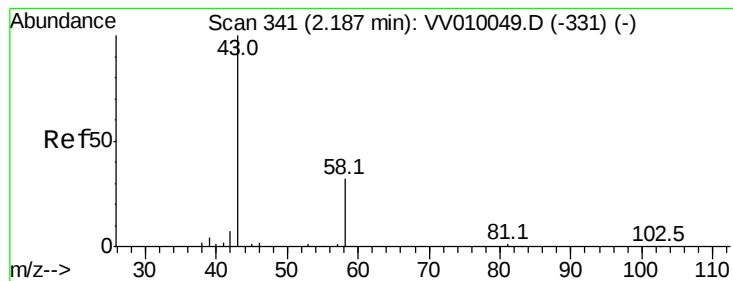


Abundance Ion 96.00 (95.70 to 96.70): VV010049.D (-314) (-)

Ion 61.00 (60.70 to 61.70): VV010049.D (-314) (-)

Ion 63.00 (62.70 to 63.70): VV010049.D (-314) (-)





#13

Acetone

Concen: 3.322 ug/L

RT: 2.21 min Scan# 347

Delta R.T. 0.02 min

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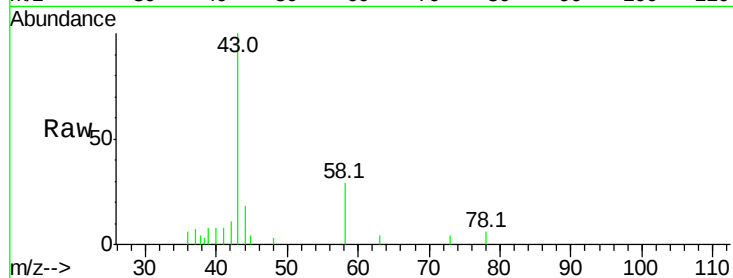
VSTD2.561

Tgt Ion: 43 Resp: 5539

Ion Ratio Lower Upper

43 100

58 35.0 0.0 63.2



Abundance Ion 43.00 (42.70 to 43.70): VV010049.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV010049.D (-331) (-)

2.21

3000

2000

1000

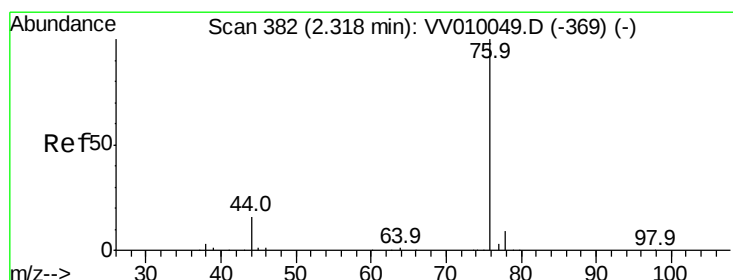
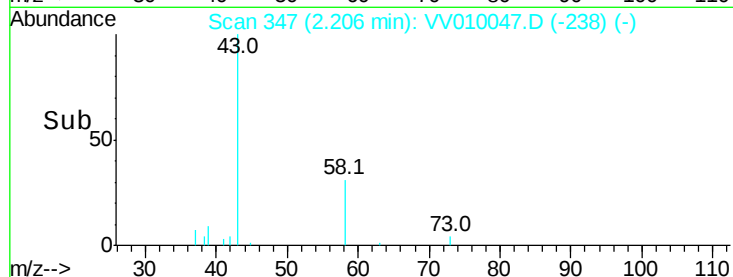
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Time-->

2.15

2.20

2.25



#14

Carbon disulfide

Concen: 2.604 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV010047.D

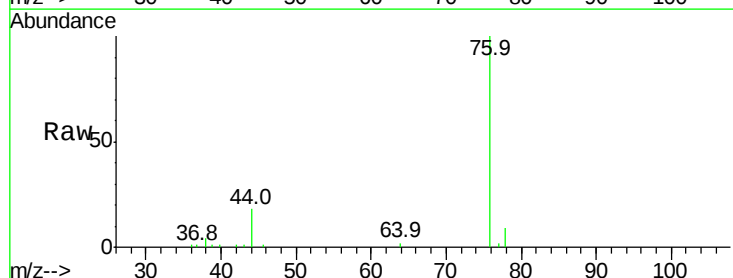
Acq: 01 Apr 2019 14:36

Tgt Ion: 76 Resp: 25099

Ion Ratio Lower Upper

76 100

78 8.7 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VV010049.D (-369) (-)

Ion 78.00 (77.70 to 78.70): VV010049.D (-369) (-)

2.32

20000

15000

10000

5000

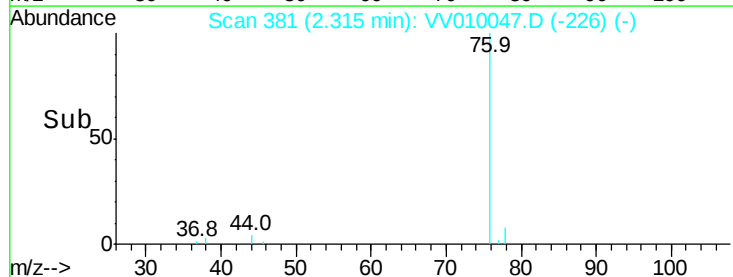
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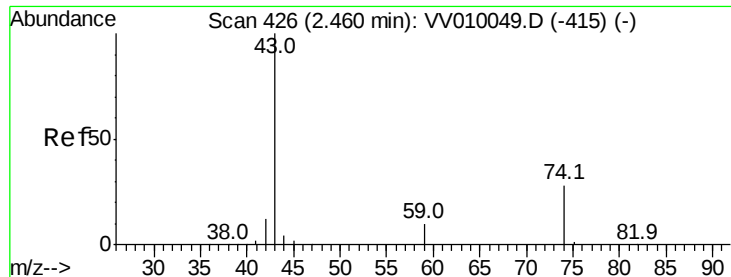
Time-->

2.25

2.30

2.35

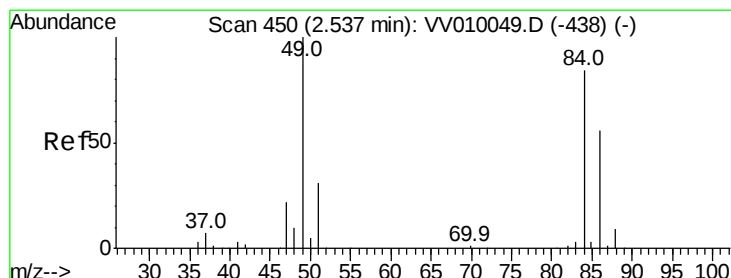
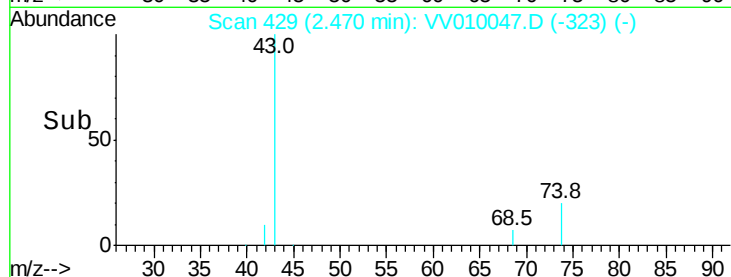
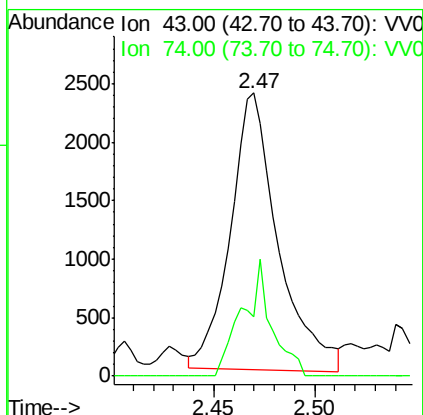
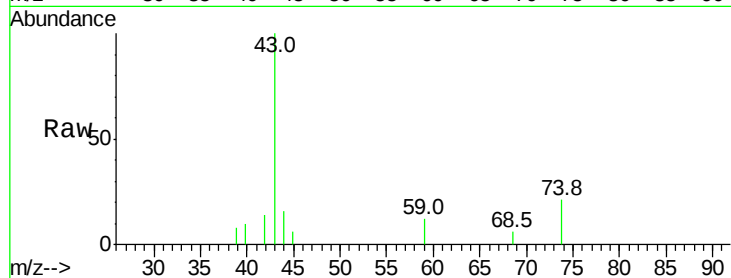




#15
Methyl Acetate
Concen: 2.011 ug/L
RT: 2.47 min Scan# 429
Delta R.T. 0.01 min
Lab File: VV010047.D
Acq: 01 Apr 2019 14:36

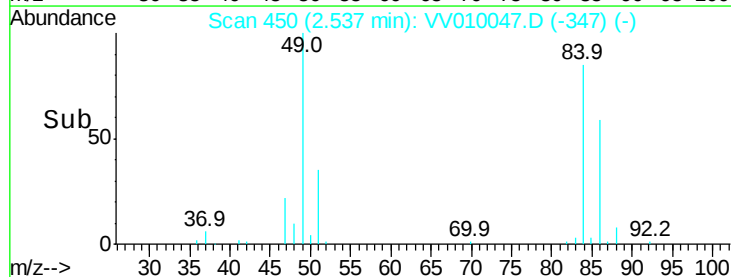
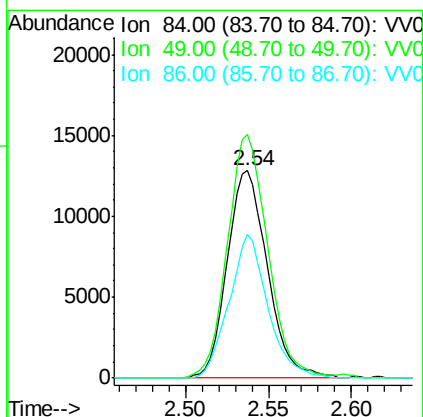
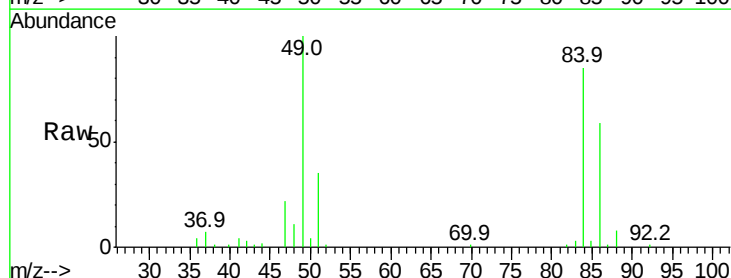
Instrument :
MSVOA_V
ClientSampled :
VSTD2.561

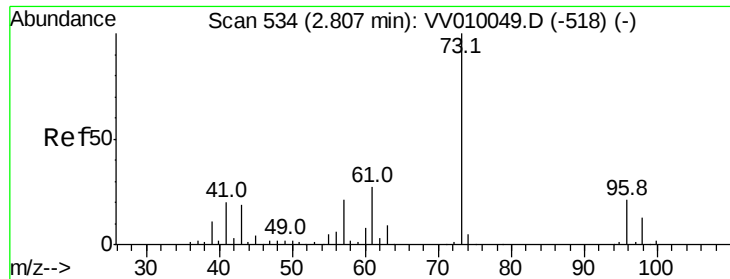
Tgt Ion: 43 Resp: 3927
Ion Ratio Lower Upper
43 100
74 13.2 21.5 32.3#



#16
Methylene chloride
Concen: 4.514 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV010047.D
Acq: 01 Apr 2019 14:36

Tgt Ion: 84 Resp: 21646
Ion Ratio Lower Upper
84 100
49 117.4 83.7 155.5
86 69.1 47.1 87.5

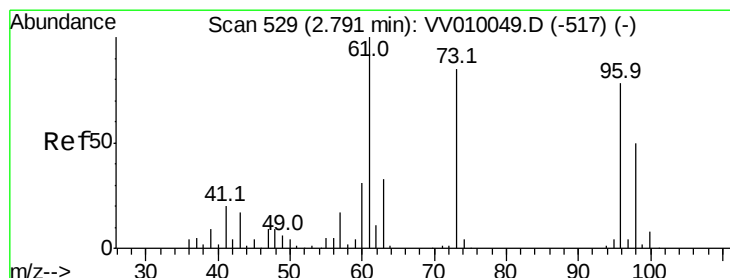
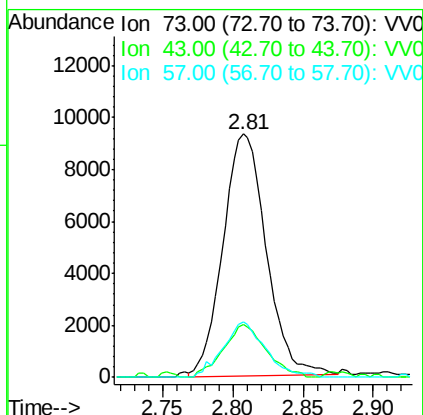
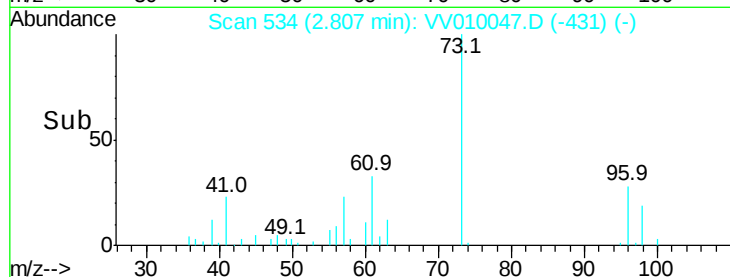
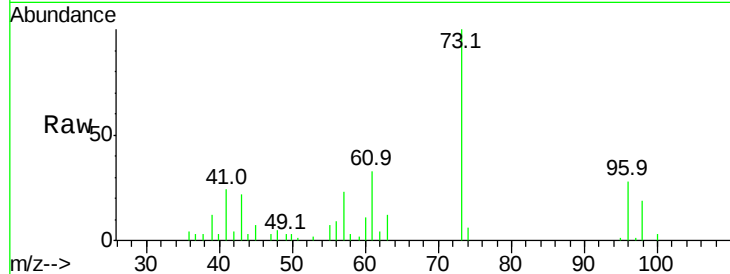




#17
Methyl tert-butyl Ether
Concen: 2.163 ug/L
RT: 2.81 min Scan# 534
Delta R.T. 0.00 min
Lab File: VV010047.D
Acq: 01 Apr 2019 14:36

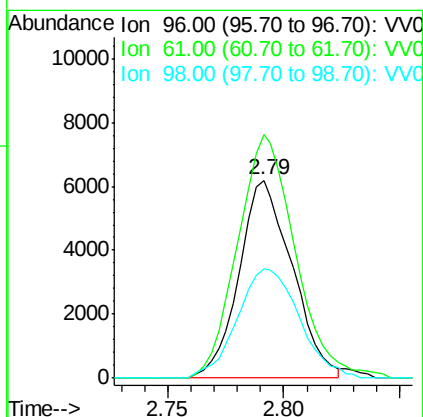
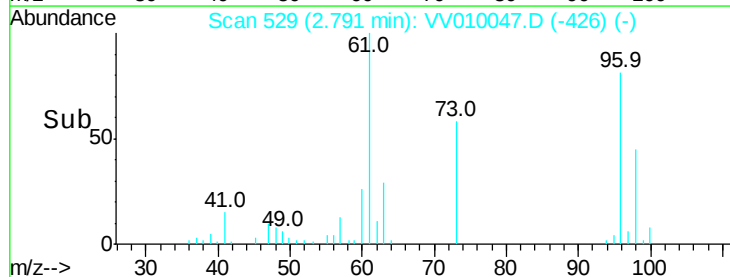
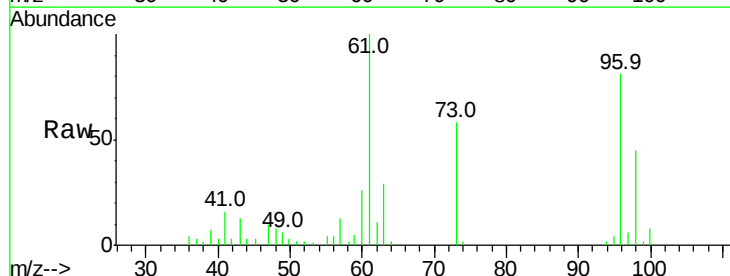
Instrument :
MSVOA_V
ClientSampleId :
VSTD2.561

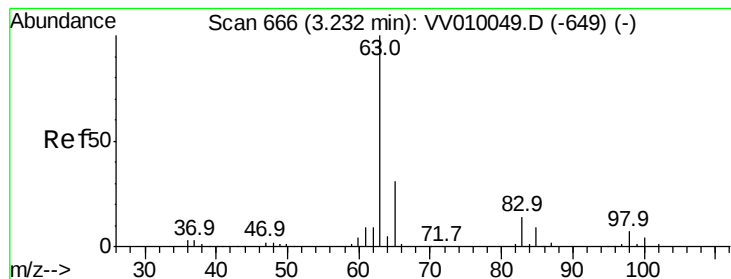
Tgt Ion: 73 Resp: 20108
Ion Ratio Lower Upper
73 100
43 21.4 15.8 23.6
57 21.8 16.2 24.4



#18
trans-1,2-Dichloroethene
Concen: 2.585 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV010047.D
Acq: 01 Apr 2019 14:36

Tgt Ion: 96 Resp: 9865
Ion Ratio Lower Upper
96 100
61 123.1 90.4 168.0
98 55.3 44.9 83.3





#19

1,1-Dichloroethane

Concen: 2.397 ug/L

RT: 3.23 min Scan# 665

Delta R.T. -0.00 min

Lab File: VV010047.D

Acq: 01 Apr 2019 14:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.561

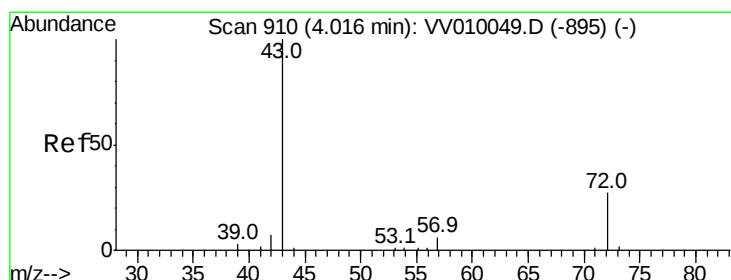
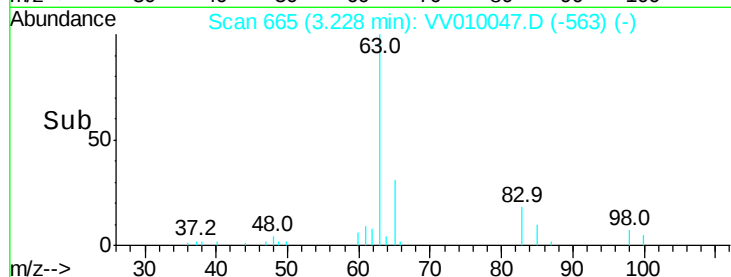
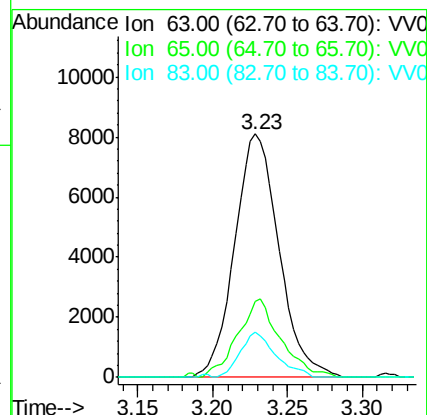
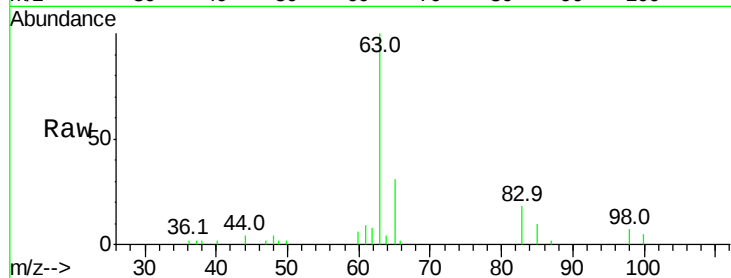
Tgt Ion: 63 Resp: 16727

Ion Ratio Lower Upper

63 100

65 31.2 21.9 40.7

83 18.4 9.9 18.3#



#21

2-Butanone

Concen: 1.783 ug/L

RT: 4.05 min Scan# 920

Delta R.T. 0.03 min

Lab File: VV010047.D

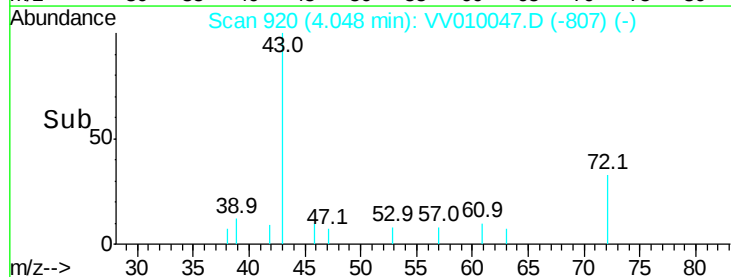
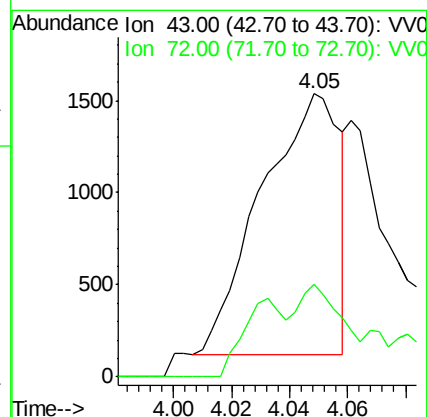
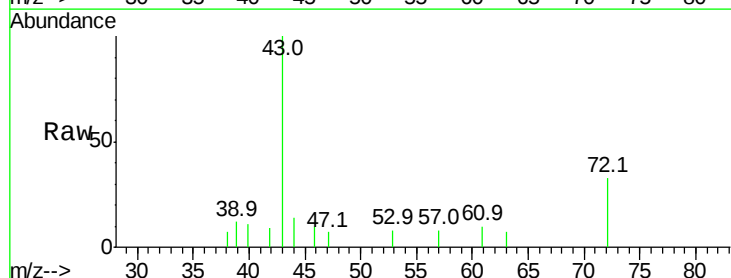
Acq: 01 Apr 2019 14:36

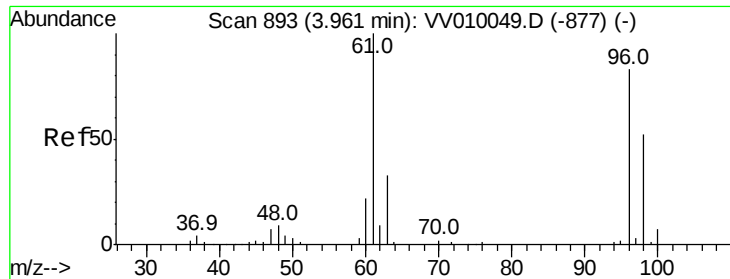
Tgt Ion: 43 Resp: 2648

Ion Ratio Lower Upper

43 100

72 17.9 12.3 36.9



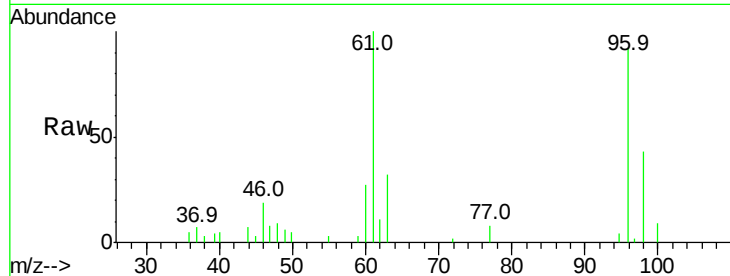


#22

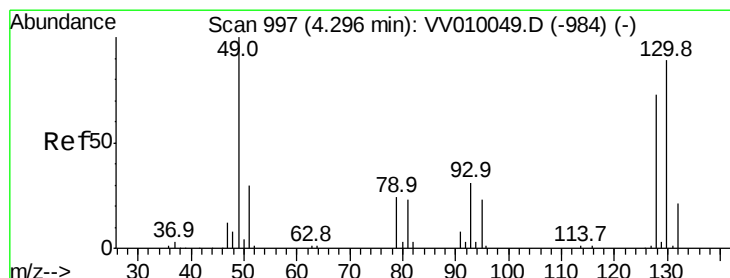
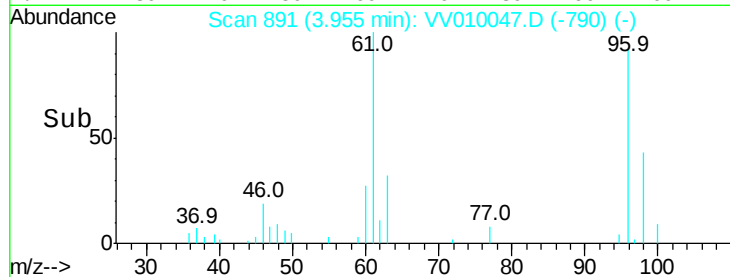
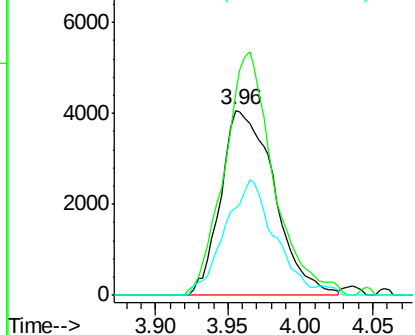
cis-1,2-Dichloroethene
 Concen: 2.481 ug/L
 RT: 3.96 min Scan# 891
 Delta R.T. -0.01 min
 Lab File: VV010047.D
 Acq: 01 Apr 2019 14:36

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.561

Tgt Ion: 96 Resp: 10452
 Ion Ratio Lower Upper
 96 100
 61 109.2 84.3 156.5
 98 47.4 44.0 81.8



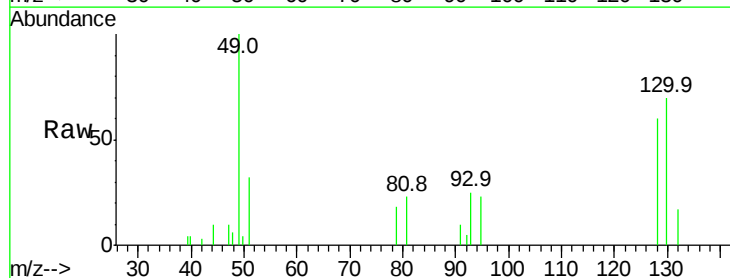
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0



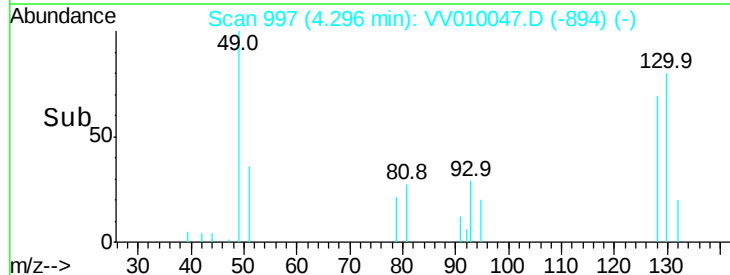
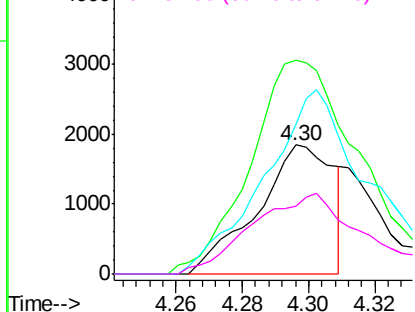
#23

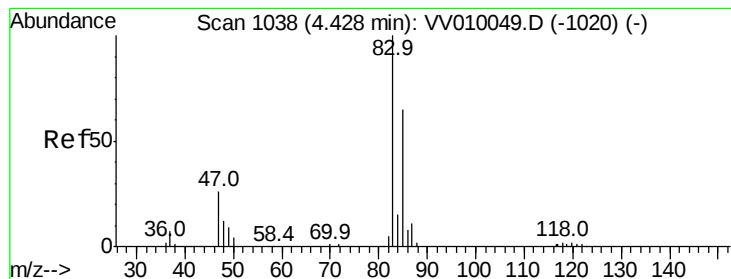
Bromochloromethane
 Concen: 1.521 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. 0.00 min
 Lab File: VV010047.D
 Acq: 01 Apr 2019 14:36

Tgt Ion: 128 Resp: 2958
 Ion Ratio Lower Upper
 128 100
 49 165.6 97.2 180.4
 130 116.6 86.2 160.0
 51 52.2 34.0 51.0#



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VV0
 Ion 130.00 (129.70 to 130.70): V
 Ion 51.00 (50.70 to 51.70): VV0





#25

Chloroform

Concen: 2.337 ug/L

RT: 4.43 min Scan# 1038

Delta R.T. 0.00 min

Lab File: VV010047.D

Acq: 01 Apr 2019 14:36

Instrument :

MSVOA_V

ClientSampleId :

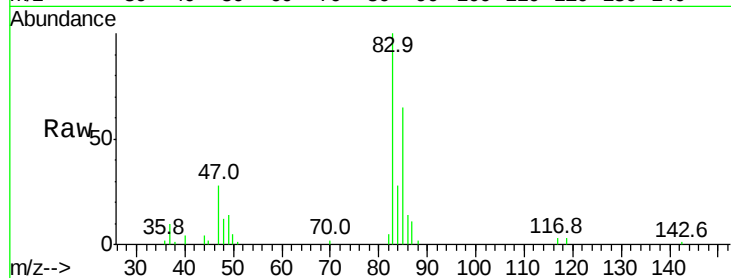
VSTD2.561

Tgt Ion: 83 Resp: 18027

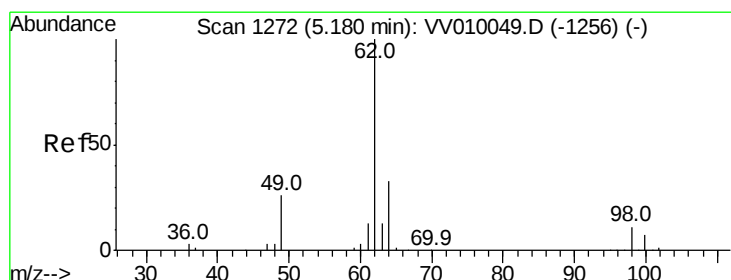
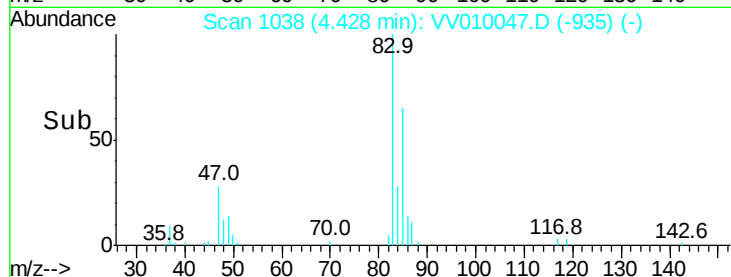
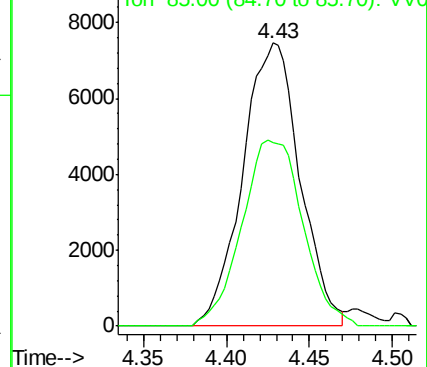
Ion Ratio Lower Upper

83 100

85 69.9 46.6 86.6



Abundance Ion 83.00 (82.70 to 83.70): VV010047.D (-935) (-)



#27

1,2-Dichloroethane

Concen: 2.196 ug/L

RT: 5.18 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VV010047.D

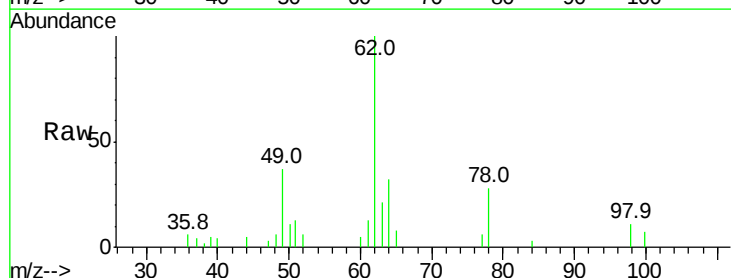
Acq: 01 Apr 2019 14:36

Tgt Ion: 62 Resp: 12005

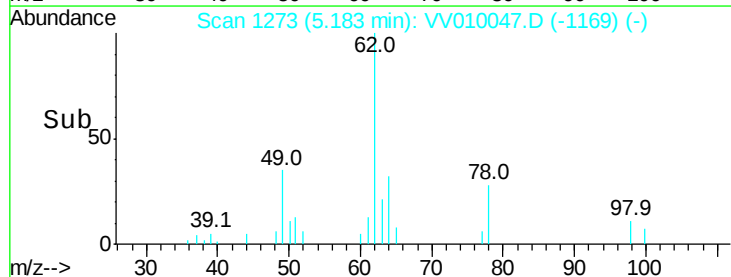
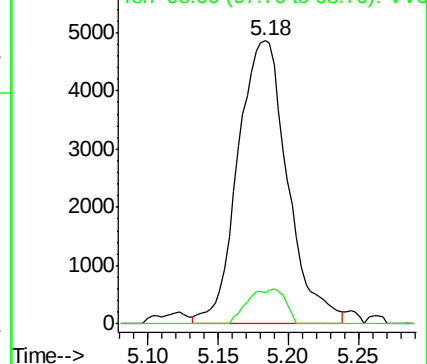
Ion Ratio Lower Upper

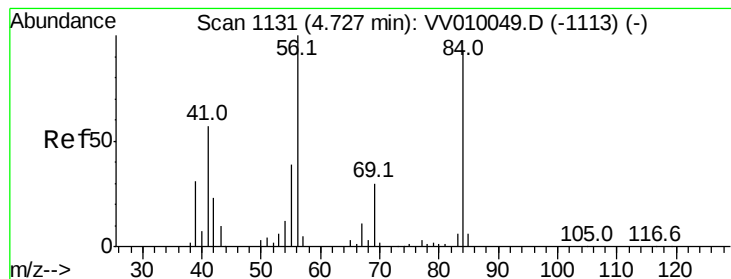
62 100

98 11.1 8.4 12.6



Abundance Ion 62.00 (61.70 to 62.70): VV010047.D (-1169) (-)





#30

Cyclohexane

Concen: 2.524 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VV010047.D

Acq: 01 Apr 2019 14:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.561

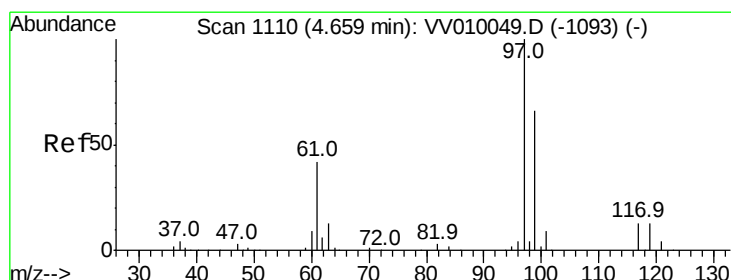
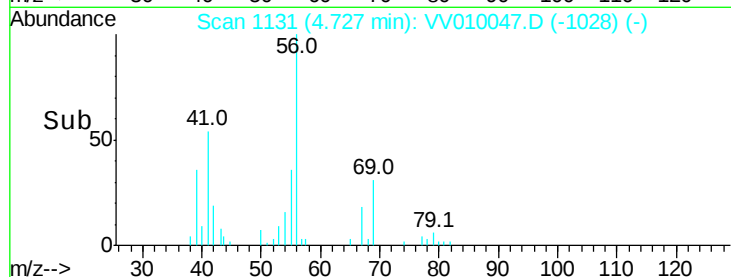
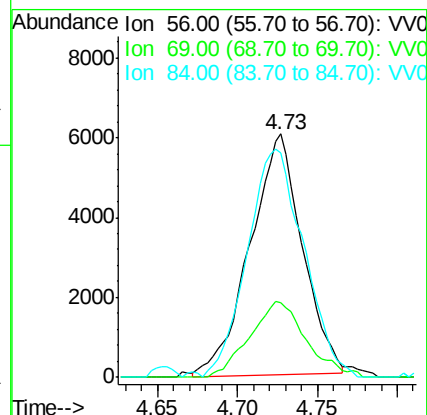
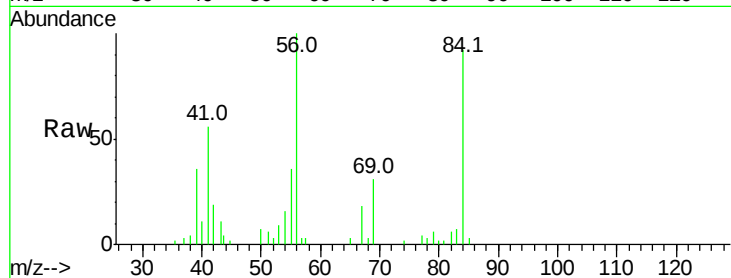
Tgt Ion: 56 Resp: 13571

Ion Ratio Lower Upper

56 100

69 32.1 25.1 37.7

84 102.6 73.4 110.0



#31

1,1,1-Trichloroethane

Concen: 2.984 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VV010047.D

Acq: 01 Apr 2019 14:36

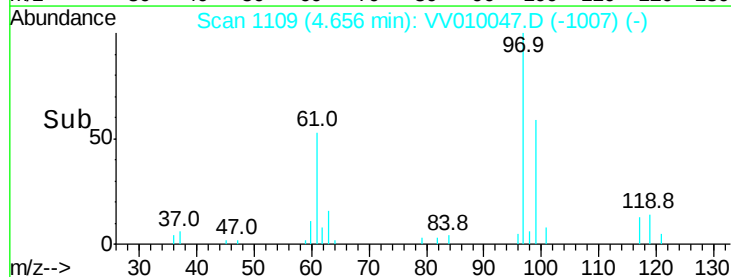
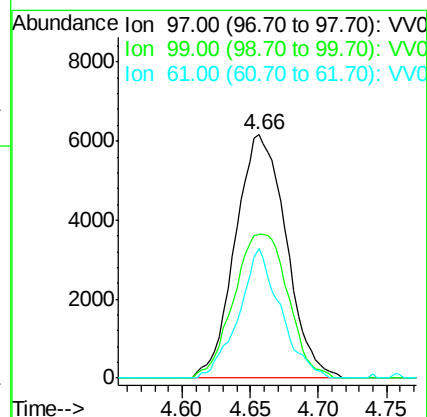
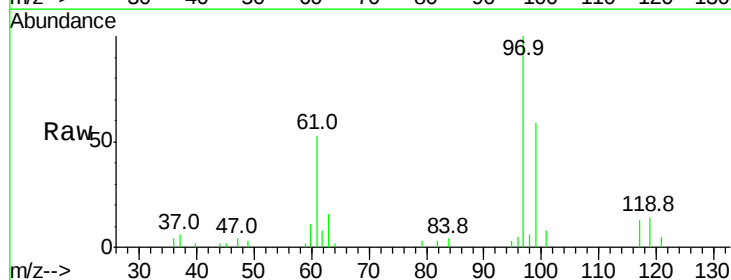
Tgt Ion: 97 Resp: 15924

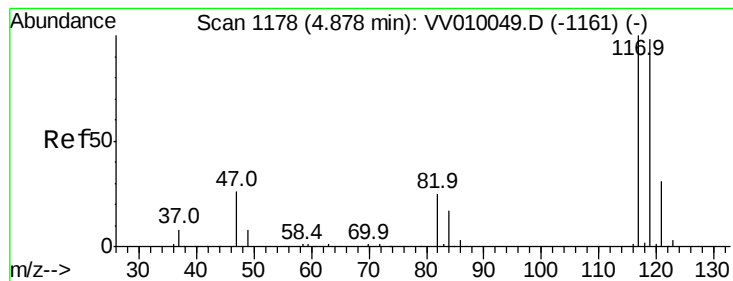
Ion Ratio Lower Upper

97 100

99 63.2 51.4 77.0

61 43.8 34.2 51.2





#32

Carbon tetrachloride

Concen: 3.056 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV010047.D

Acq: 01 Apr 2019 14:36

Instrument :

MSVOA_V

ClientSampleId :

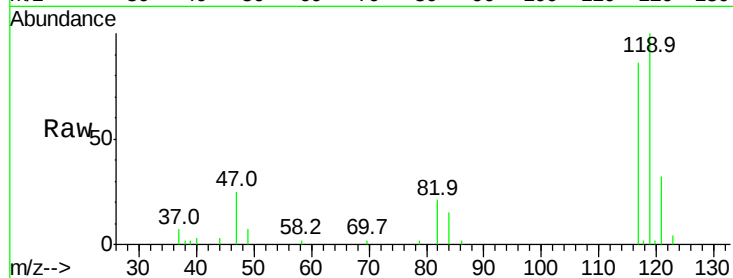
VSTD2.561

Tgt Ion:117 Resp: 14176

Ion Ratio Lower Upper

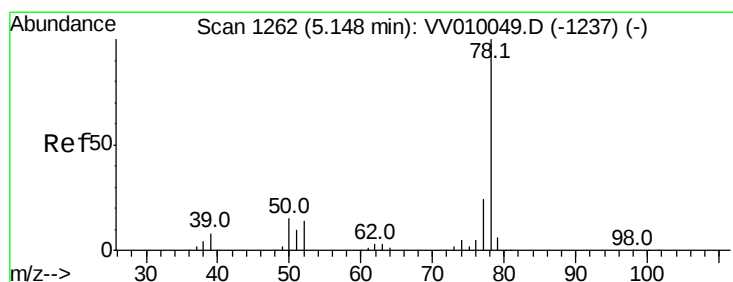
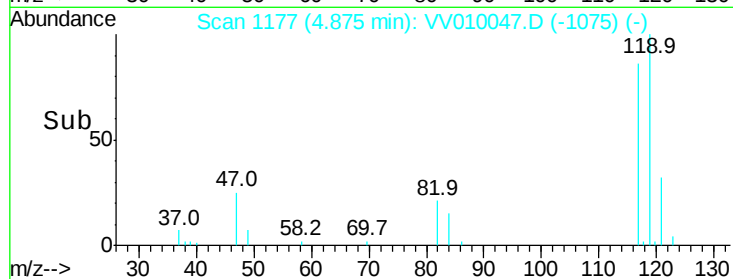
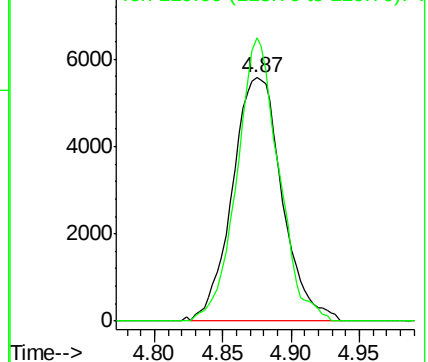
117 100

119 97.2 78.1 117.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 2.635 ug/L

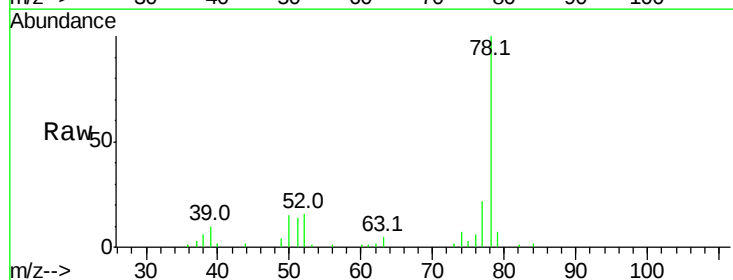
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

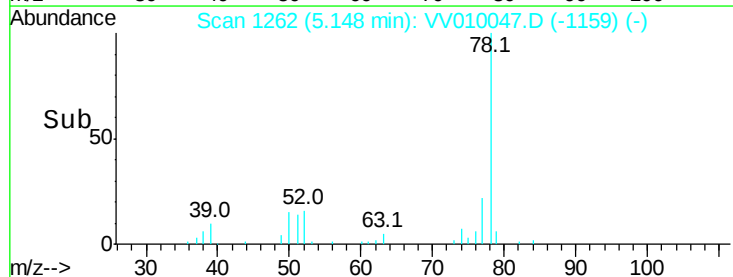
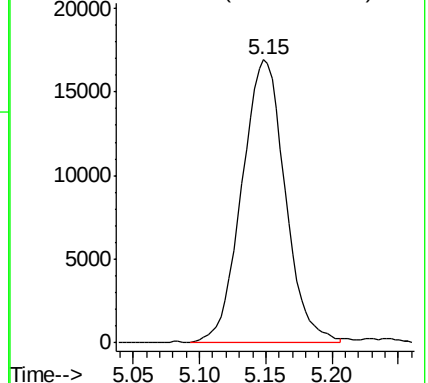
Lab File: VV010047.D

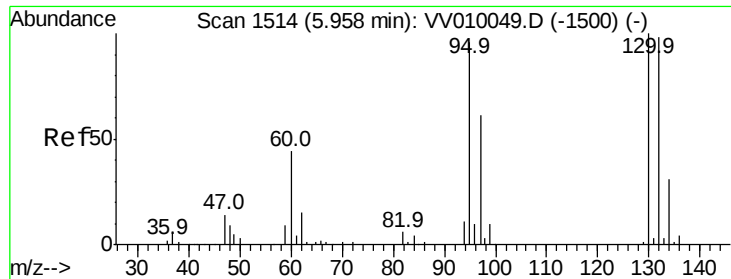
Acq: 01 Apr 2019 14:36

Tgt Ion: 78 Resp: 38591



Abundance Ion 78.00 (77.70 to 78.70): VV0





#35

Trichloroethene

Concen: 2.928 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV010047.D

Acq: 01 Apr 2019 14:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.561

Tgt Ion: 95 Resp: 11309

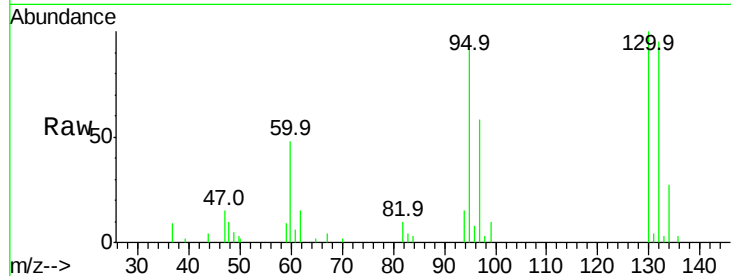
Ion Ratio Lower Upper

95 100

97 60.6 45.1 83.9

132 97.6 71.7 133.3

130 107.6 74.0 137.4

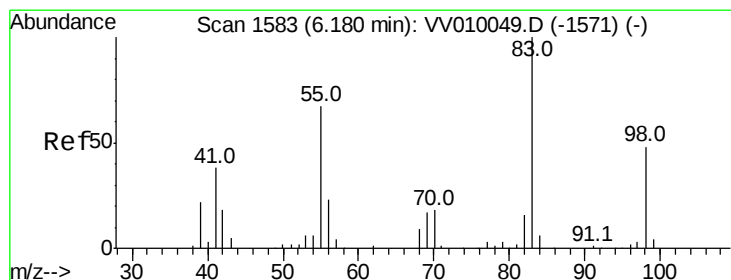
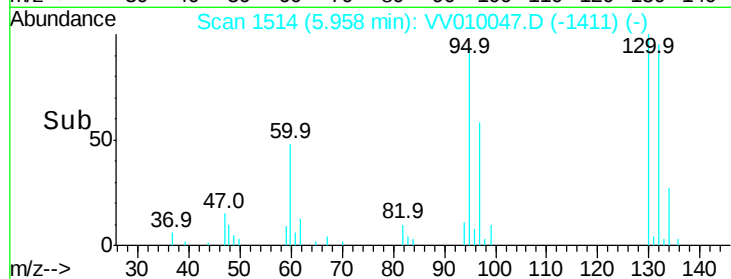
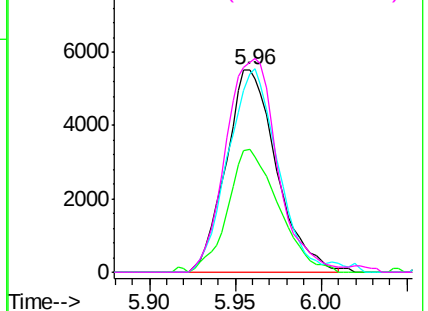


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#36

Methylcyclohexane

Concen: 2.693 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.01 min

Lab File: VV010047.D

Acq: 01 Apr 2019 14:36

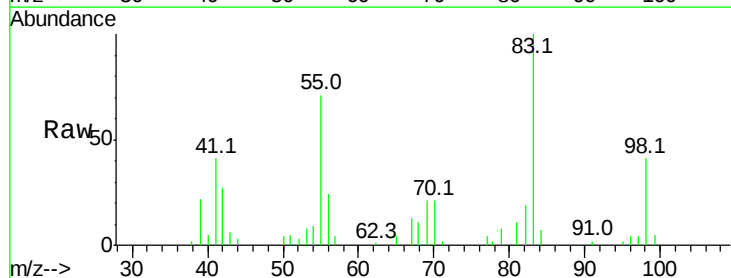
Tgt Ion: 83 Resp: 16323

Ion Ratio Lower Upper

83 100

55 72.1 54.4 81.6

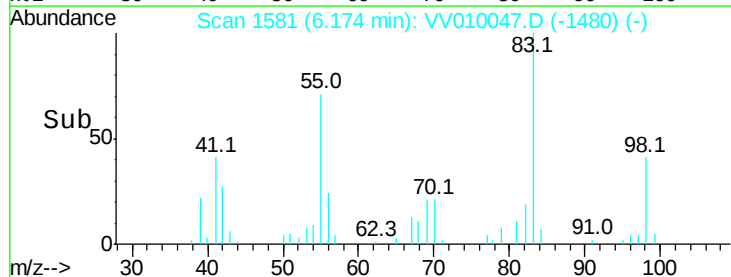
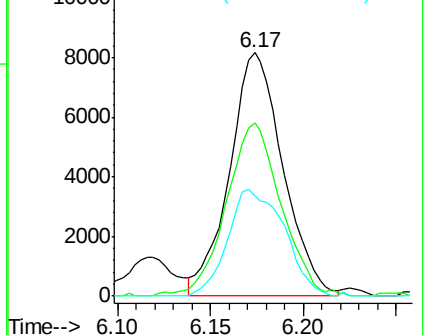
98 46.1 38.5 57.7

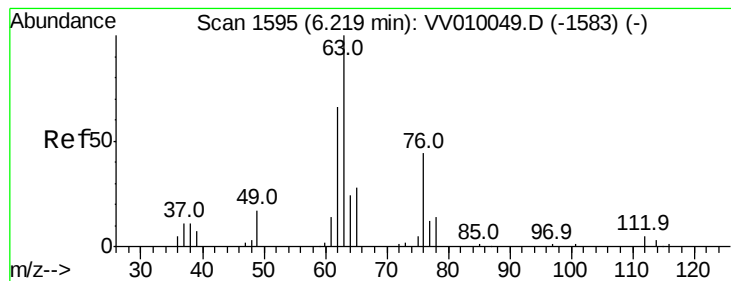


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#40

1,2-Dichloropropane

Concen: 2.514 ug/L

RT: 6.22 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VV010047.D

Acq: 01 Apr 2019 14:36

Instrument :

MSVOA_V

ClientSampleId :

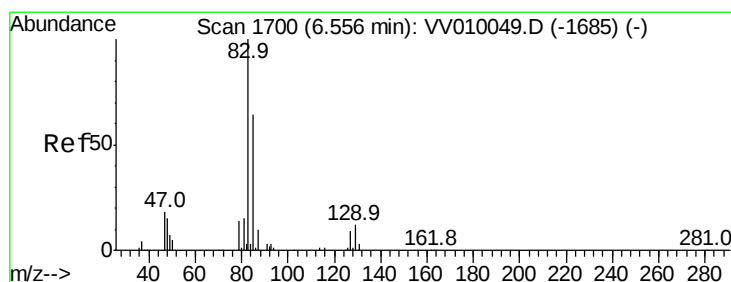
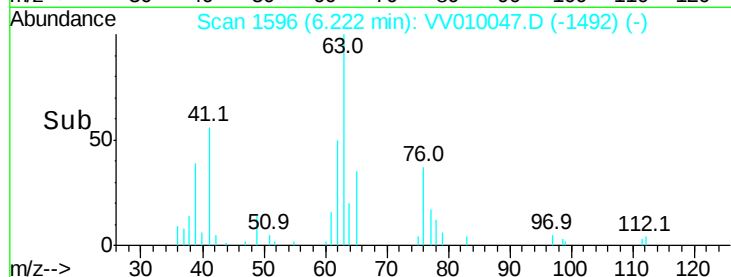
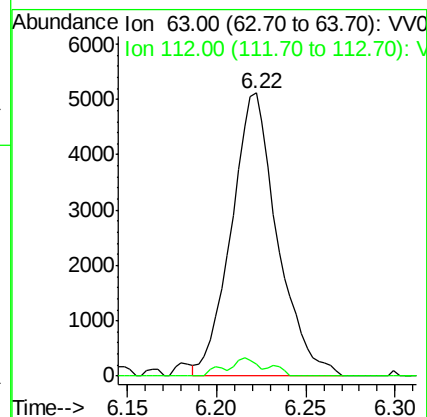
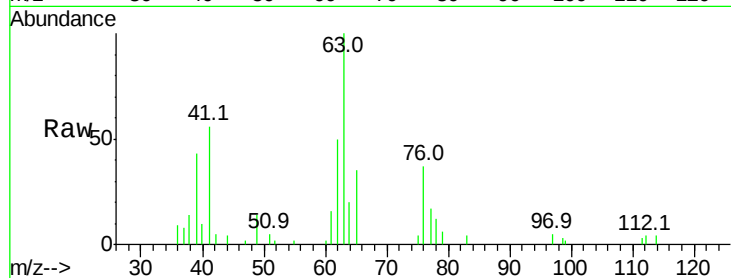
VSTD2.561

Tgt Ion: 63 Resp: 9199

Ion Ratio Lower Upper

63 100

112 3.0 3.8 5.8#



#41

Bromodichloromethane

Concen: 2.283 ug/L

RT: 6.56 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VV010047.D

Acq: 01 Apr 2019 14:36

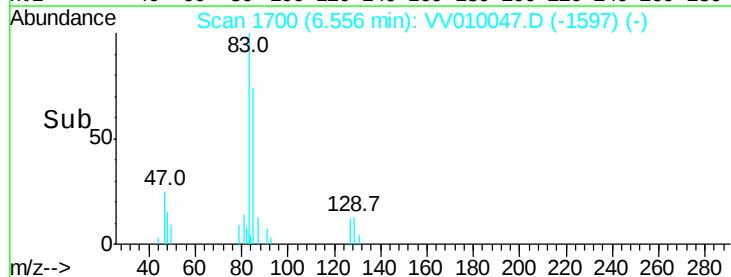
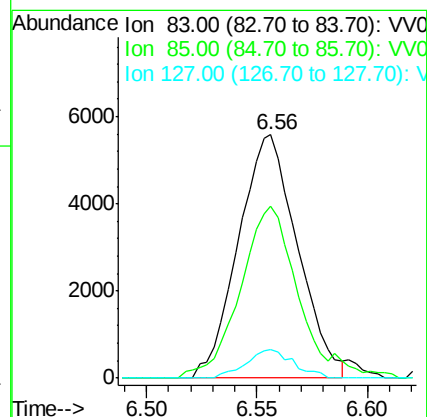
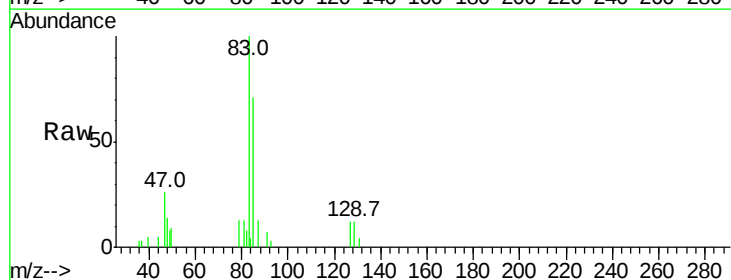
Tgt Ion: 83 Resp: 10390

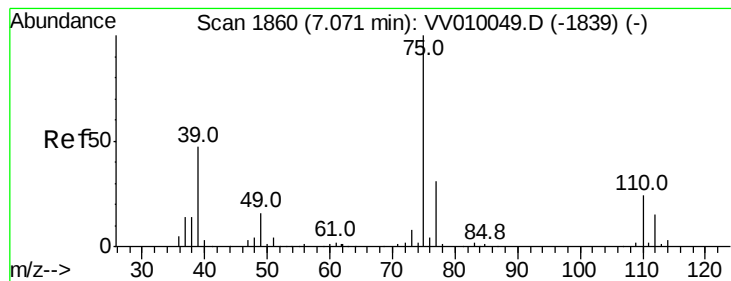
Ion Ratio Lower Upper

83 100

85 70.7 44.9 83.5

127 11.9 7.0 10.4#



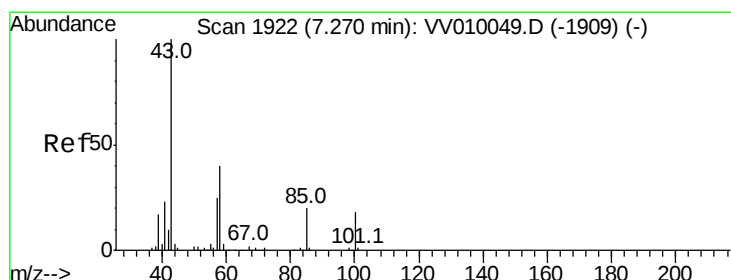
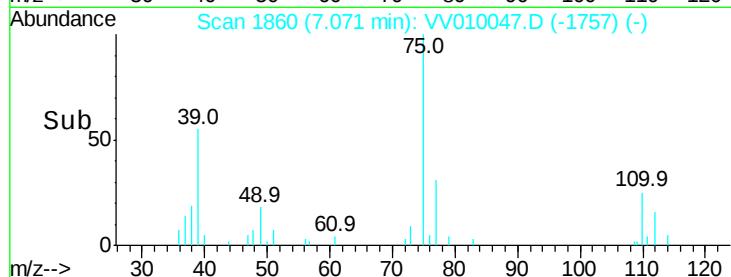
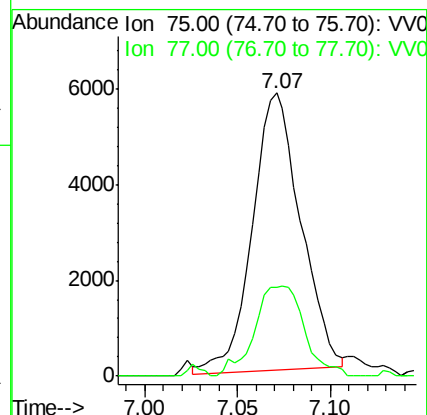
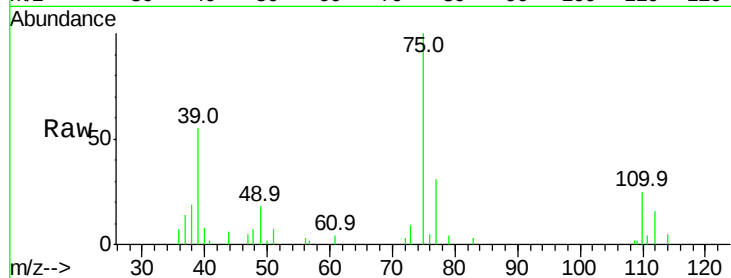


#42

cis-1,3-Dichloropropene
Concen: 1.975 ug/L
RT: 7.07 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VV010047.D
Acq: 01 Apr 2019 14:36

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.561

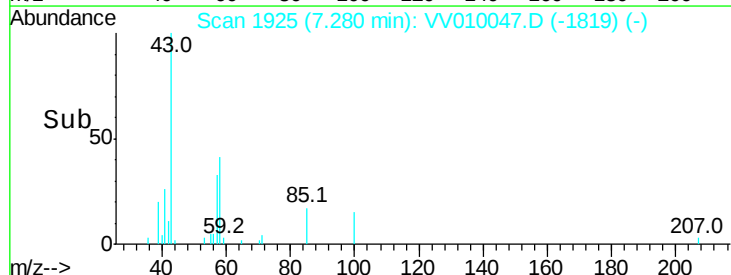
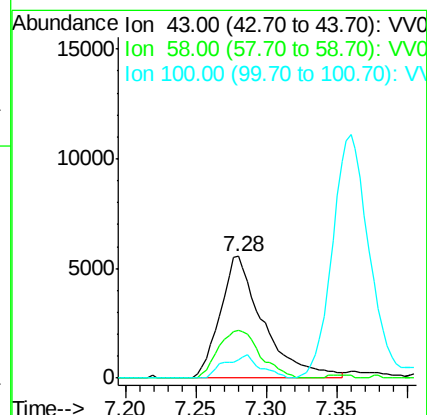
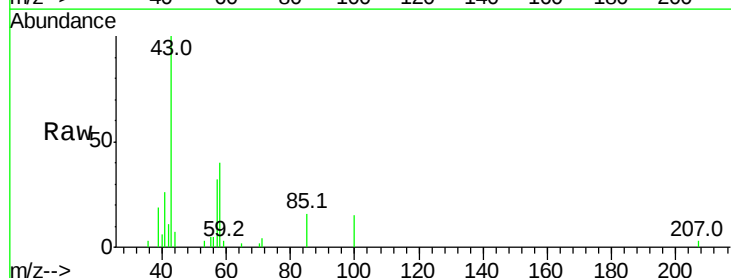
Tgt Ion: 75 Resp: 10537
Ion Ratio Lower Upper
75 100
77 31.2 22.0 40.8

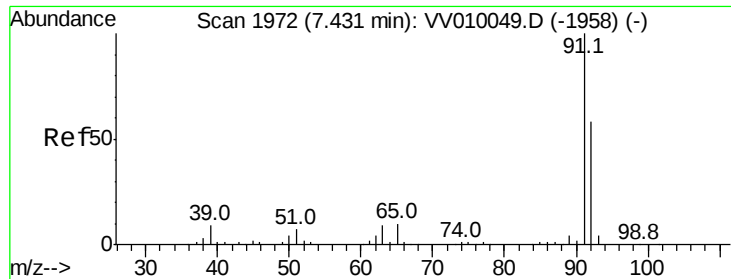


#43

4-Methyl-2-pentanone
Concen: 4.526 ug/L
RT: 7.28 min Scan# 1925
Delta R.T. 0.01 min
Lab File: VV010047.D
Acq: 01 Apr 2019 14:36

Tgt Ion: 43 Resp: 11819
Ion Ratio Lower Upper
43 100
58 37.8 31.0 46.6
100 10.0 13.3 19.9#





#44

Toluene

Concen: 2.518 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV010047.D

Acq: 01 Apr 2019 14:36

Instrument :

MSVOA_V

ClientSampleId :

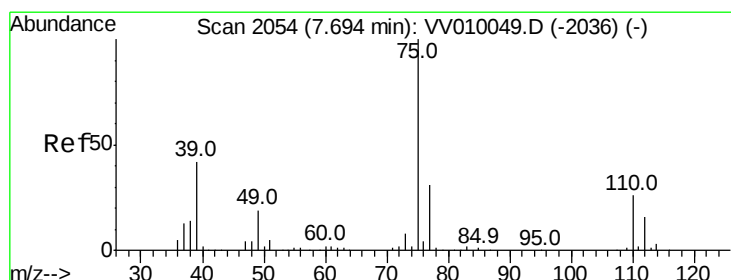
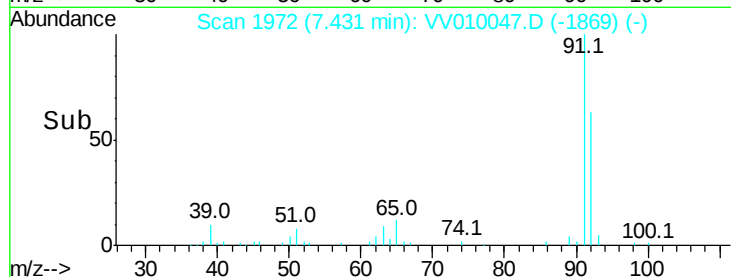
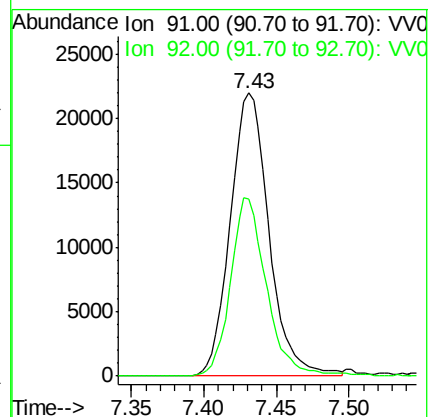
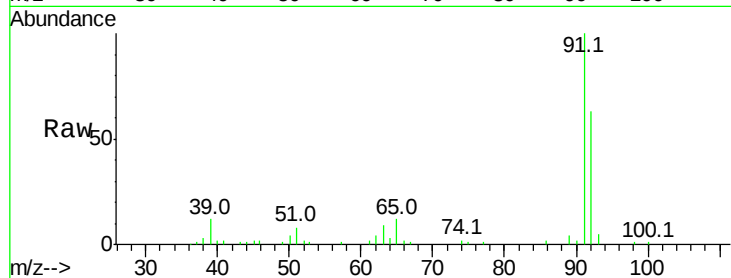
VSTD2.561

Tgt Ion: 91 Resp: 40658

Ion Ratio Lower Upper

91 100

92 62.6 40.3 74.9



#45

trans-1,3-Dichloropropene

Concen: 2.212 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV010047.D

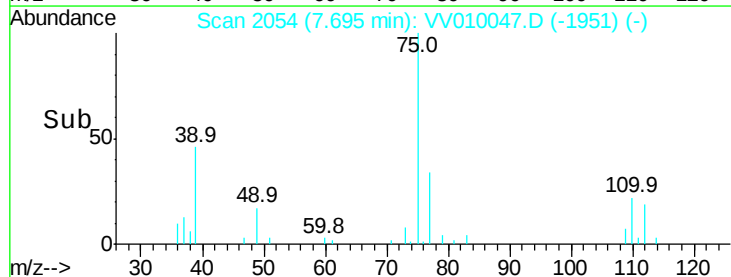
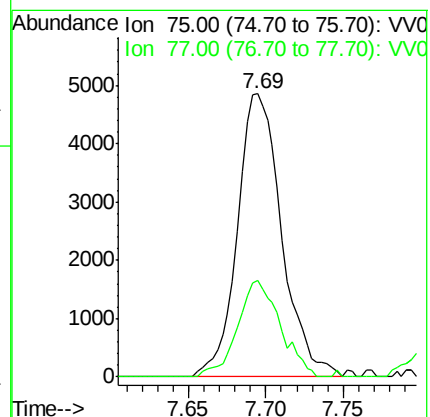
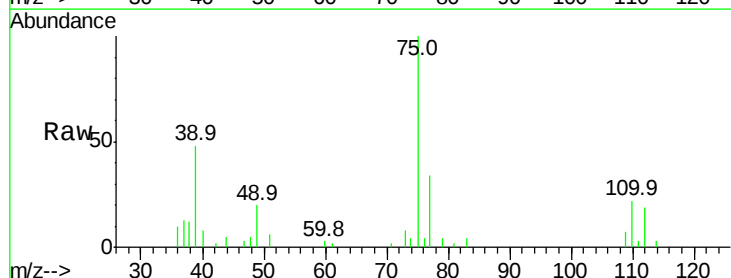
Acq: 01 Apr 2019 14:36

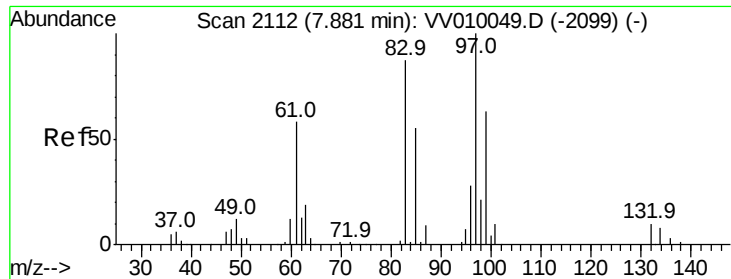
Tgt Ion: 75 Resp: 9662

Ion Ratio Lower Upper

75 100

77 34.0 21.5 39.9

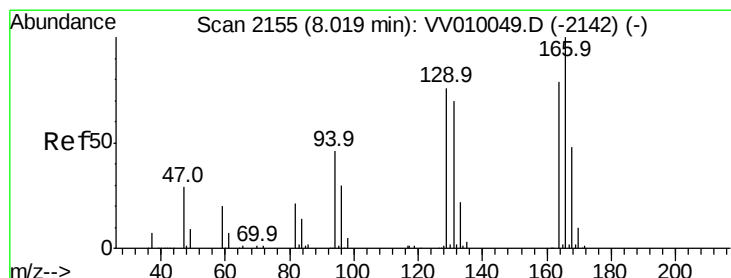
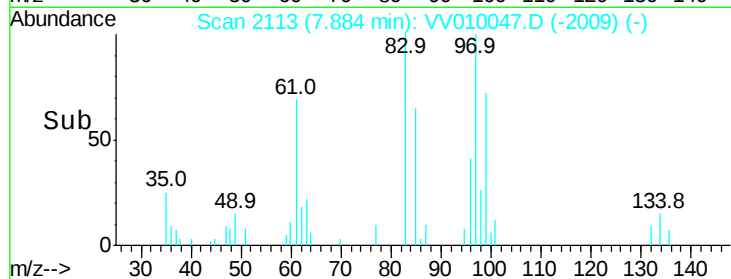
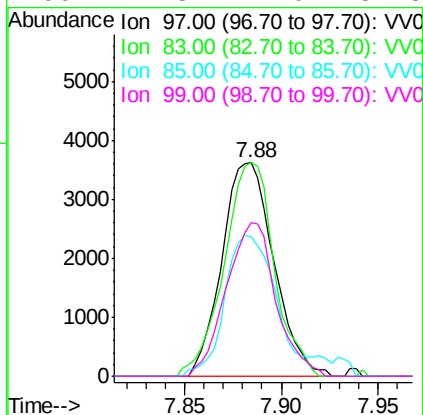
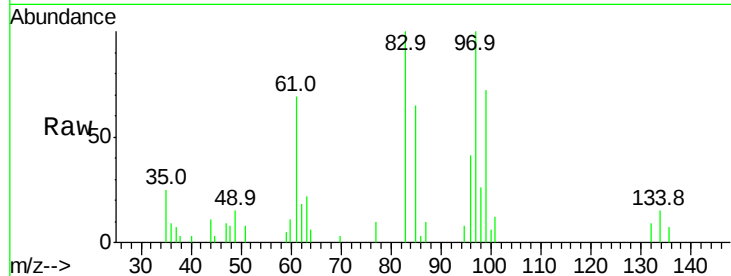




#46
 1,1,2-Trichloroethane
 Concen: 2.229 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VV010047.D
 Acq: 01 Apr 2019 14:36

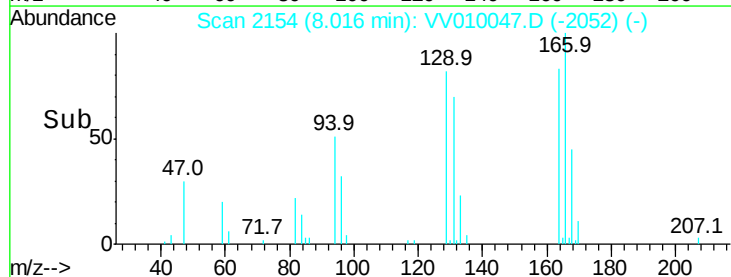
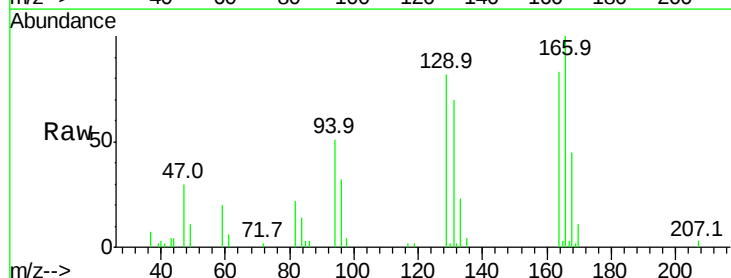
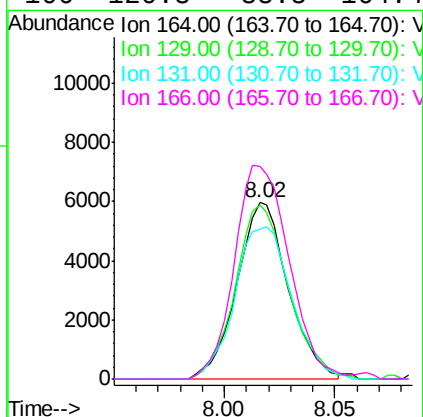
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.561

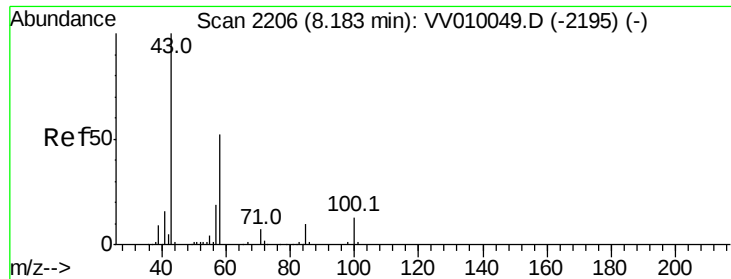
Tgt Ion: 97 Resp: 6747
 Ion Ratio Lower Upper
 97 100
 83 100.2 61.1 113.5
 85 65.6 38.6 71.8
 99 71.8 44.0 81.8



#47
 Tetrachloroethene
 Concen: 3.165 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV010047.D
 Acq: 01 Apr 2019 14:36

Tgt Ion: 164 Resp: 9648
 Ion Ratio Lower Upper
 164 100
 129 98.9 67.1 124.5
 131 85.2 62.0 115.2
 166 120.8 88.5 164.4

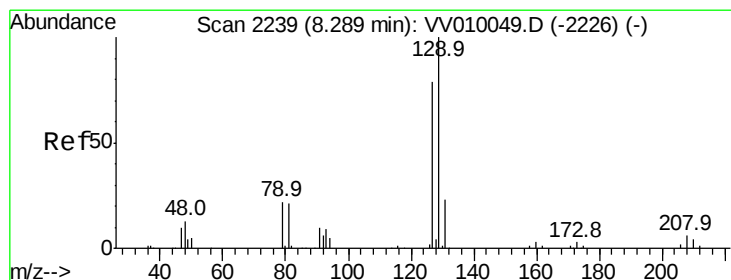
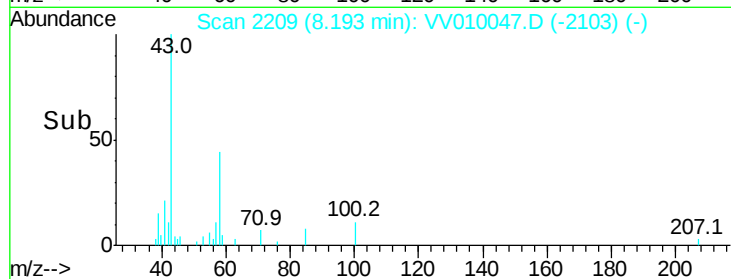
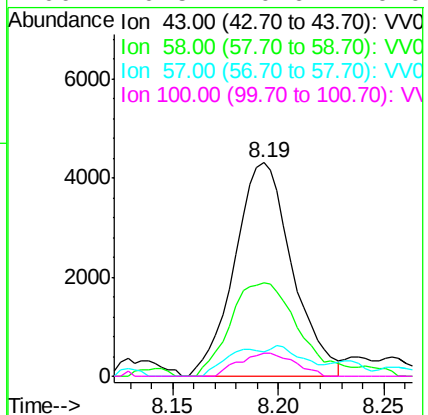
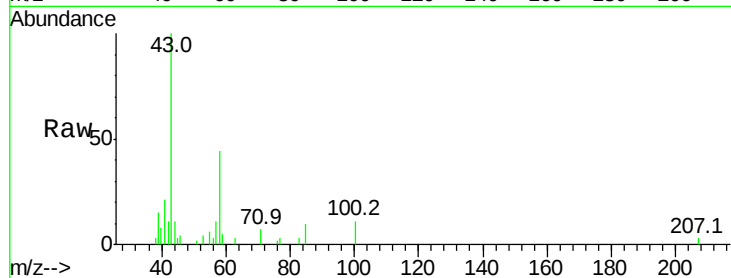




#49
2-Hexanone
Concen: 4.620 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VV010047.D
Acq: 01 Apr 2019 14:36

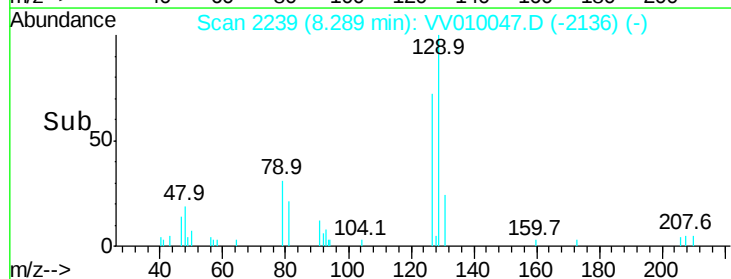
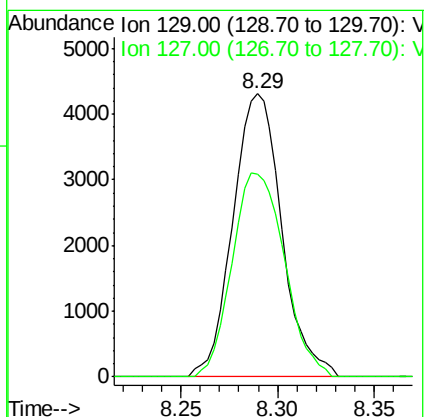
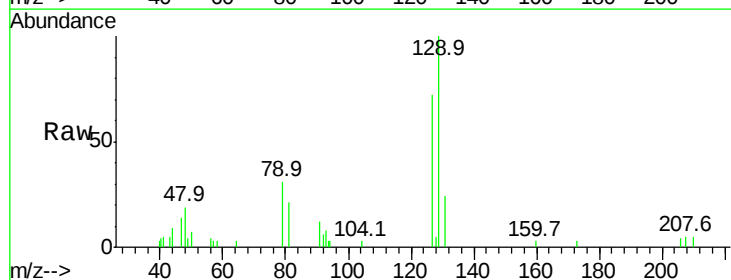
Instrument :
MSVOA_V
ClientSampleId :
VSTD2.561

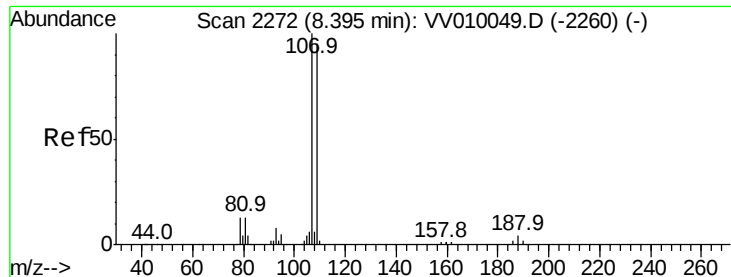
Tgt Ion: 43 Resp: 8153
Ion Ratio Lower Upper
43 100
58 49.3 41.9 62.9
57 8.8 15.2 22.8#
100 10.5 10.6 16.0#



#50
Dibromochloromethane
Concen: 2.418 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV010047.D
Acq: 01 Apr 2019 14:36

Tgt Ion: 129 Resp: 7589
Ion Ratio Lower Upper
129 100
127 71.8 55.4 103.0





#51

1,2-Dibromoethane

Concen: 2.406 ug/L

RT: 8.40 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VV010047.D

Acq: 01 Apr 2019 14:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.561

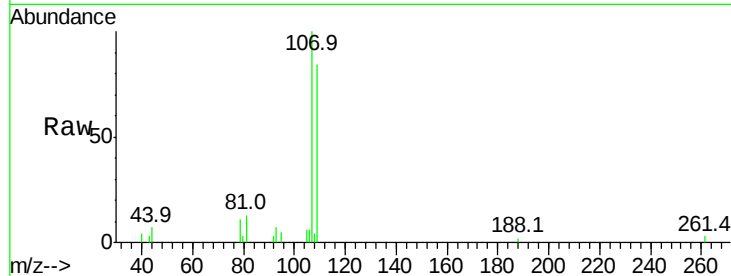
Tgt Ion:107 Resp: 7069

Ion Ratio Lower Upper

107 100

109 83.6 66.8 124.0

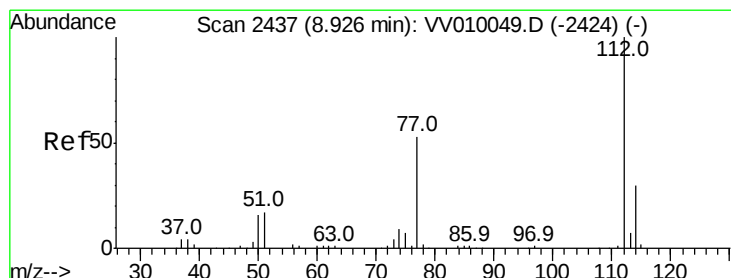
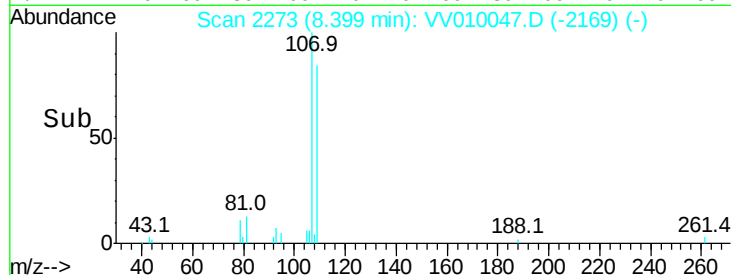
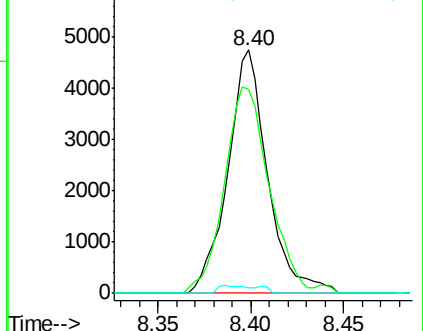
188 2.5 3.5 5.3#



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 2.702 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. -0.00 min

Lab File: VV010047.D

Acq: 01 Apr 2019 14:36

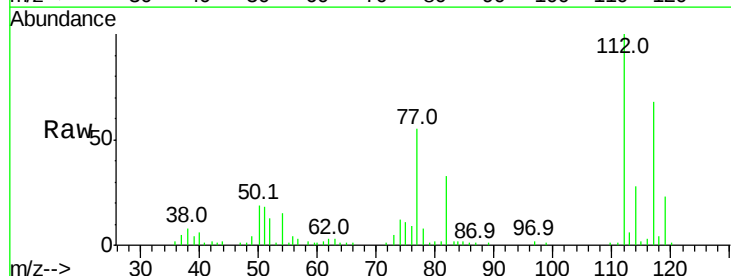
Tgt Ion:112 Resp: 29037

Ion Ratio Lower Upper

112 100

77 54.7 42.6 63.8

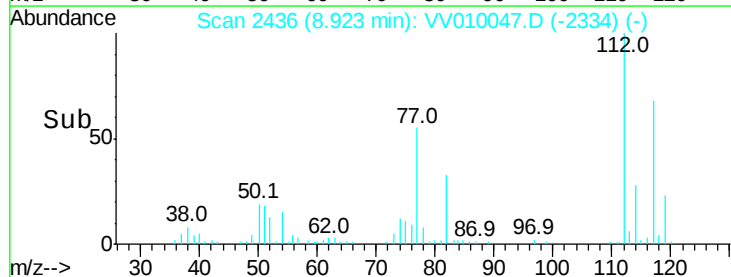
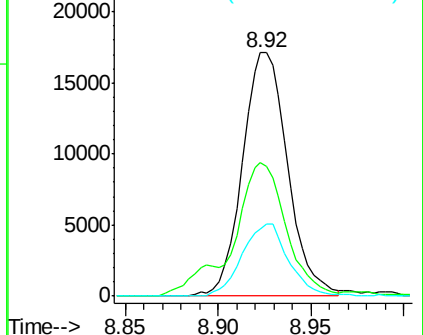
114 27.7 20.9 38.9

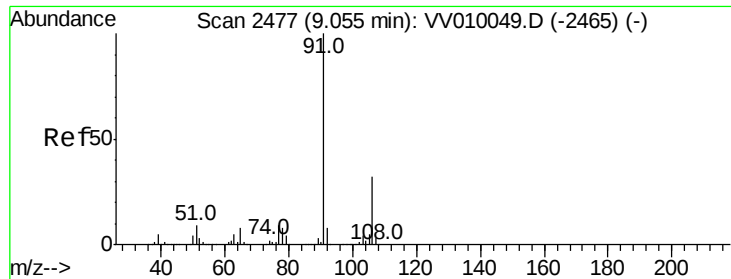


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VV0

Ion 114.00 (113.70 to 114.70): V

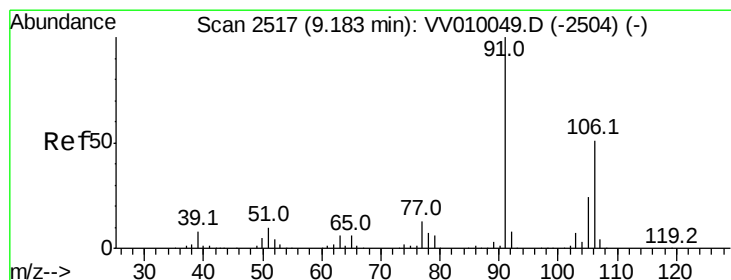
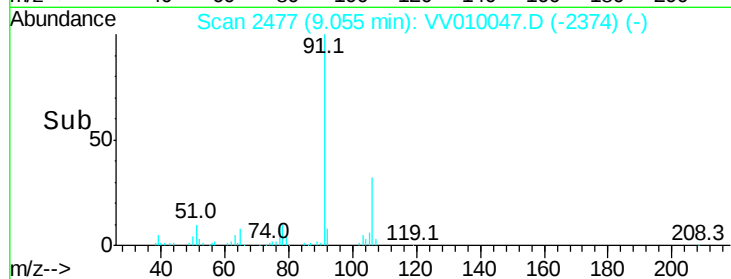
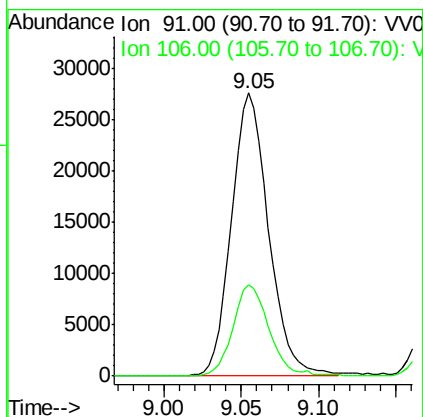
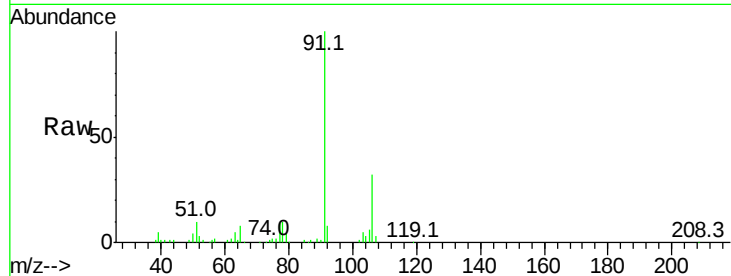




#53
Ethylbenzene
Concen: 2.590 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. 0.00 min
Lab File: VV010047.D
Acq: 01 Apr 2019 14:36

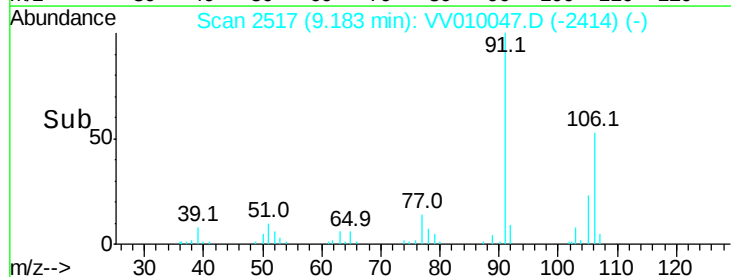
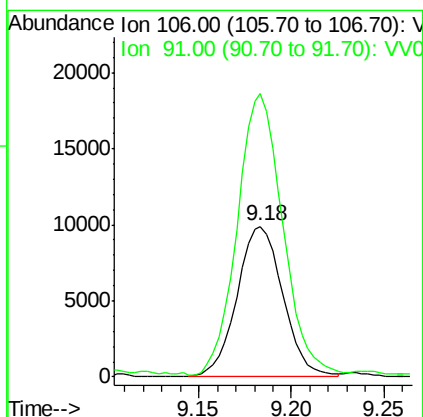
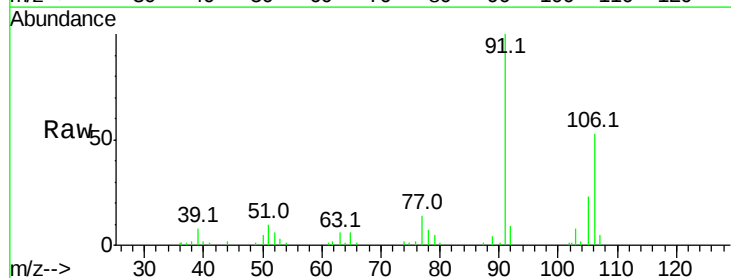
Instrument :
MSVOA_V
ClientSampleId :
VSTD2.561

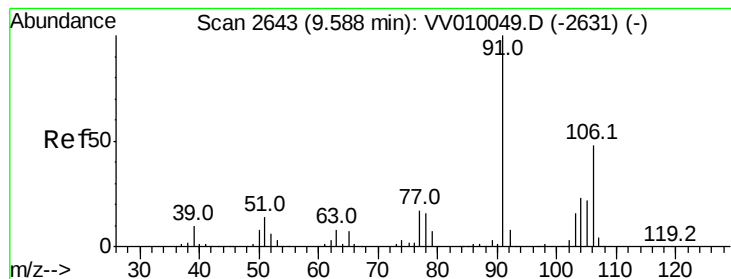
Tgt Ion: 91 Resp: 46128
Ion Ratio Lower Upper
91 100
106 32.4 22.6 42.0



#54
m,p-Xylene
Concen: 2.435 ug/L
RT: 9.18 min Scan# 2517
Delta R.T. 0.00 min
Lab File: VV010047.D
Acq: 01 Apr 2019 14:36

Tgt Ion: 106 Resp: 17030
Ion Ratio Lower Upper
106 100
91 188.1 136.4 253.4





#55

o-xylene

Concen: 2.134 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV010047.D

Acq: 01 Apr 2019 14:36

Instrument :

MSVOA_V

ClientSampleId :

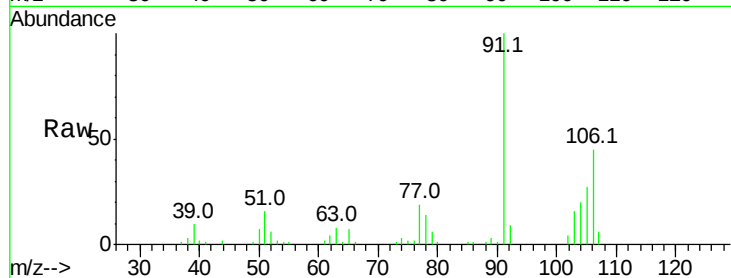
VSTD2.561

Tgt Ion:106 Resp: 14488

Ion Ratio Lower Upper

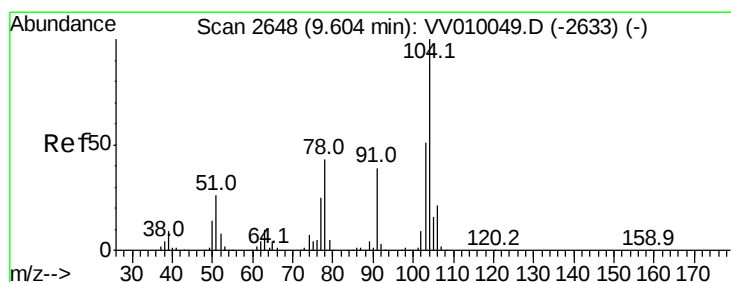
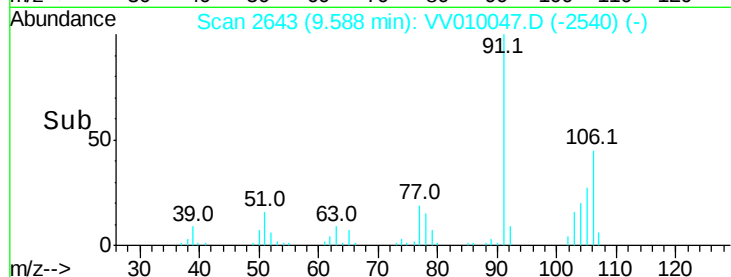
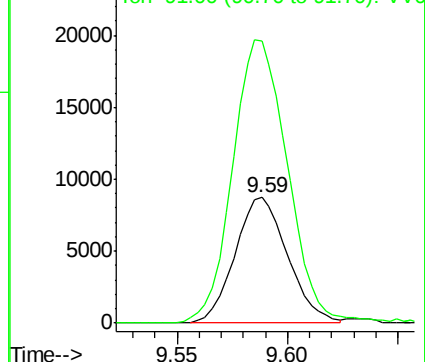
106 100

91 224.6 147.0 273.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Styrene

Concen: 2.176 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV010047.D

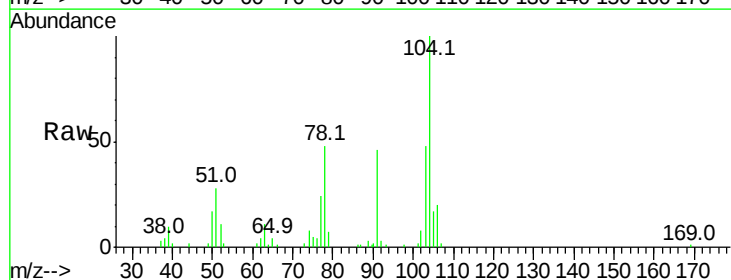
Acq: 01 Apr 2019 14:36

Tgt Ion:104 Resp: 25379

Ion Ratio Lower Upper

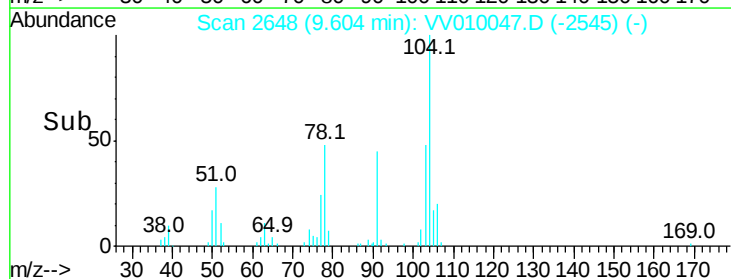
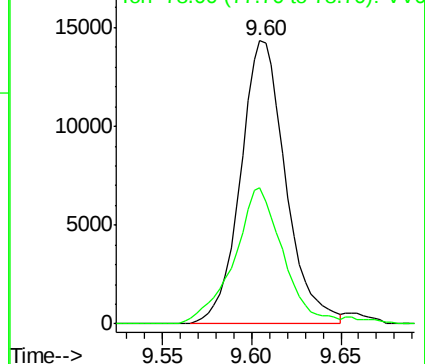
104 100

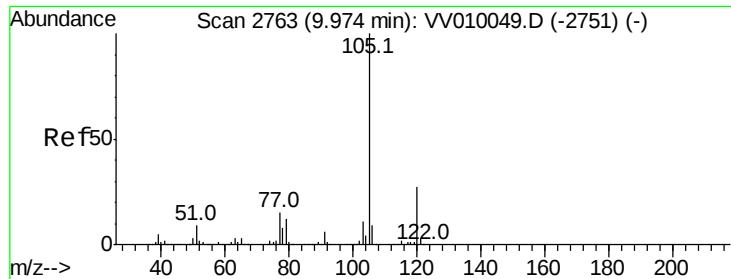
78 48.0 30.0 55.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 2.418 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV010047.D

Acq: 01 Apr 2019 14:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.561

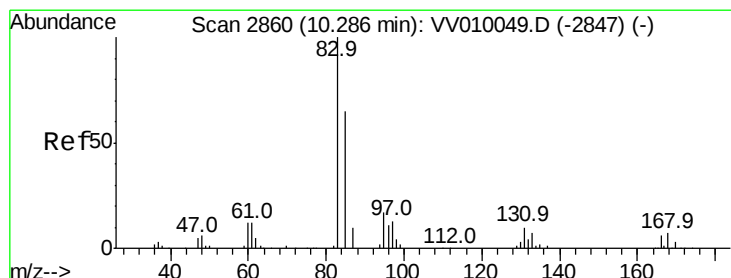
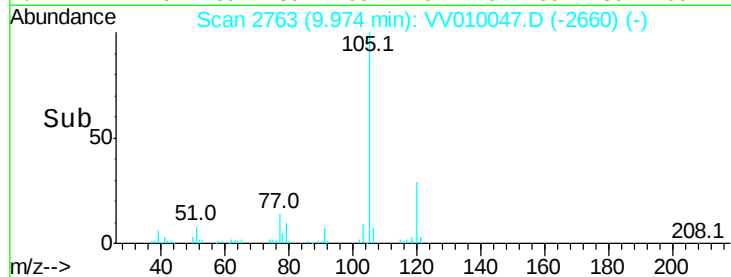
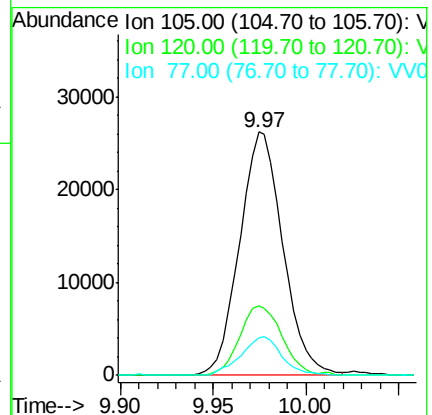
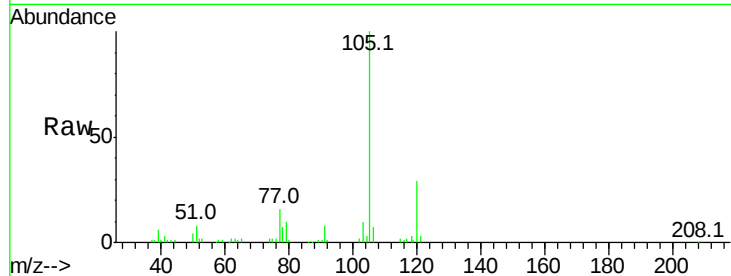
Tgt Ion:105 Resp: 42596

Ion Ratio Lower Upper

105 100

120 27.8 21.9 32.9

77 14.8 12.4 18.6



#58

1,1,2,2-Tetrachloroethane

Concen: 2.096 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV010047.D

Acq: 01 Apr 2019 14:36

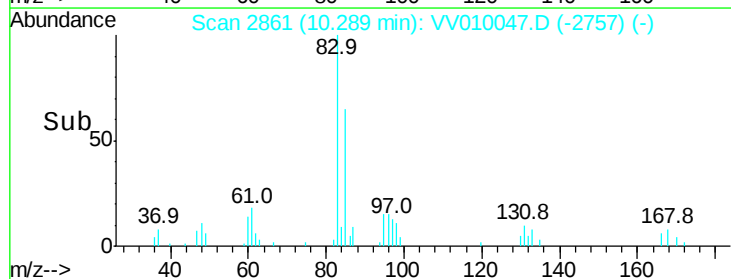
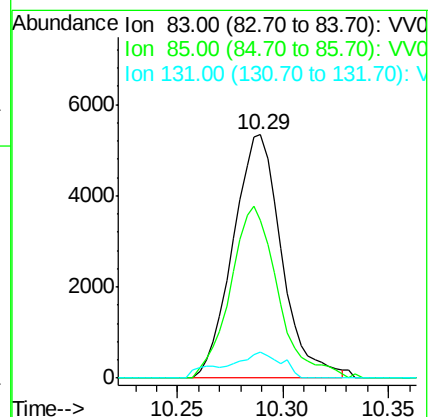
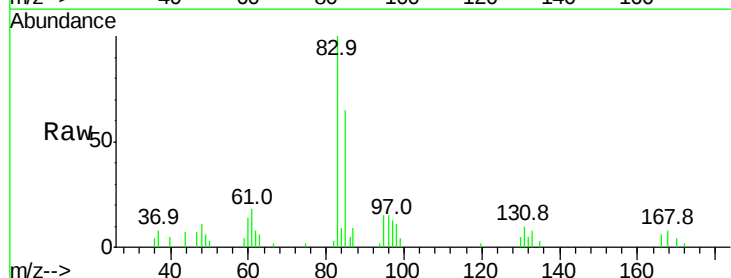
Tgt Ion: 83 Resp: 8550

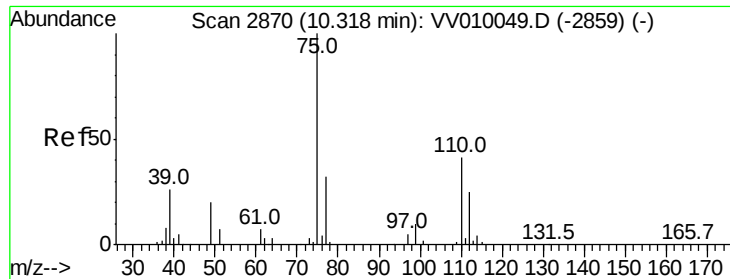
Ion Ratio Lower Upper

83 100

85 64.9 45.7 84.9

131 10.5 8.8 13.2

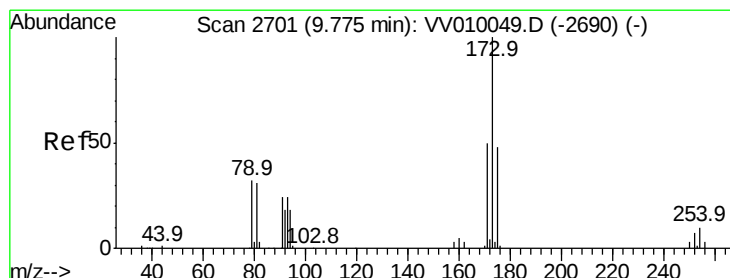
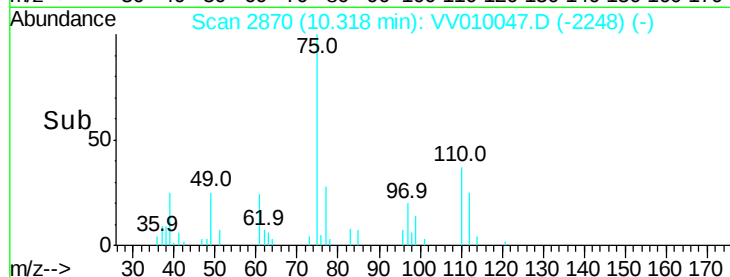
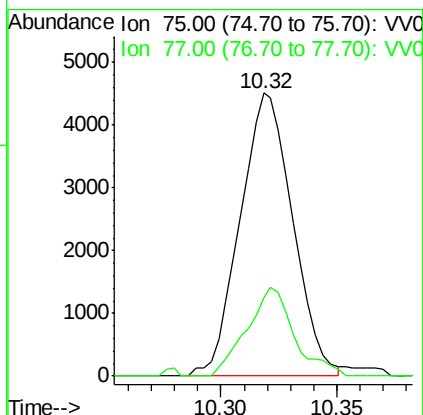
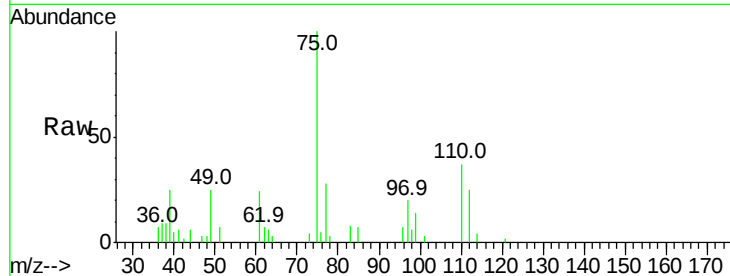




#59
1,2,3-Trichloropropane
Concen: 2.414 ug/L
RT: 10.32 min Scan# 2870
Delta R.T. 0.00 min
Lab File: VV010047.D
Acq: 01 Apr 2019 14:36

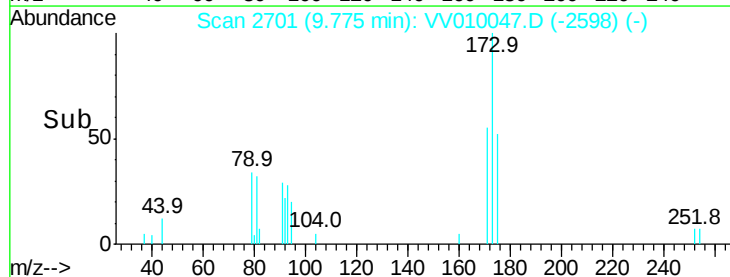
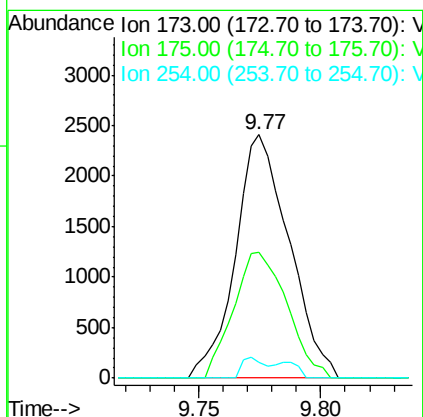
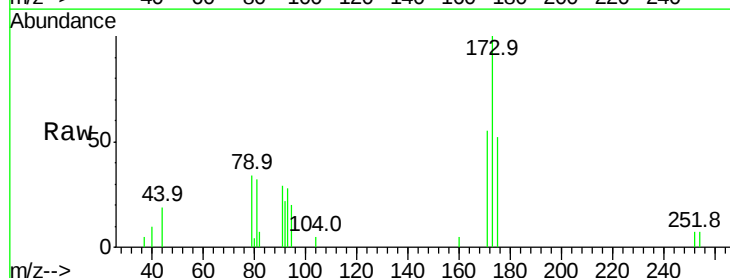
Instrument :
MSVOA_V
ClientSampleId :
VSTD2.561

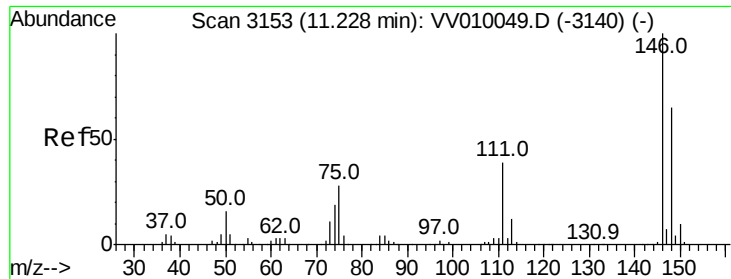
Tgt Ion: 75 Resp: 7107
Ion Ratio Lower Upper
75 100
77 28.2 25.8 38.6



#62
Bromoform
Concen: 2.257 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VV010047.D
Acq: 01 Apr 2019 14:36

Tgt Ion: 173 Resp: 3673
Ion Ratio Lower Upper
173 100
175 51.7 38.6 58.0
254 3.5 7.6 11.4#

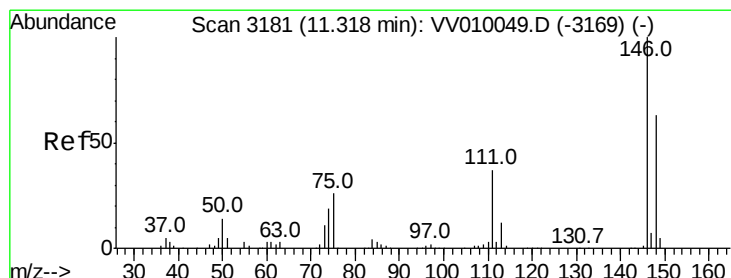
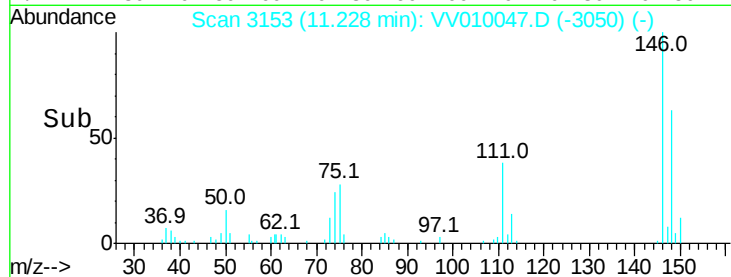
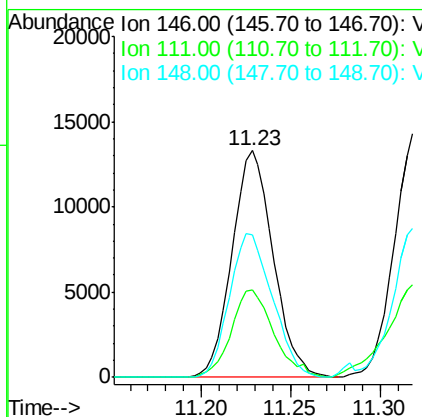
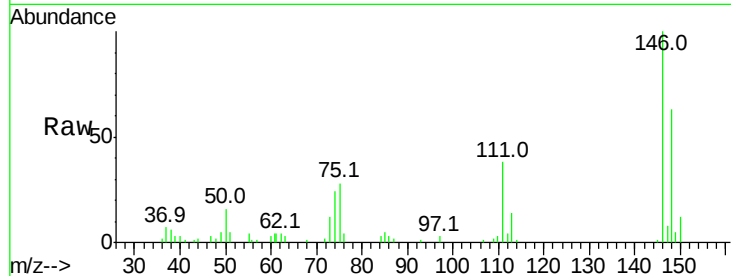




#63
 1,3-Dichlorobenzene
 Concen: 2.745 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV010047.D
 Acq: 01 Apr 2019 14:36

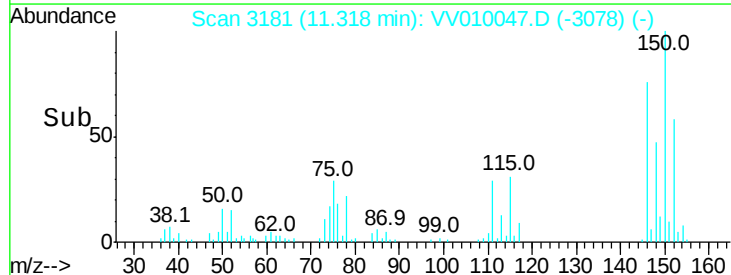
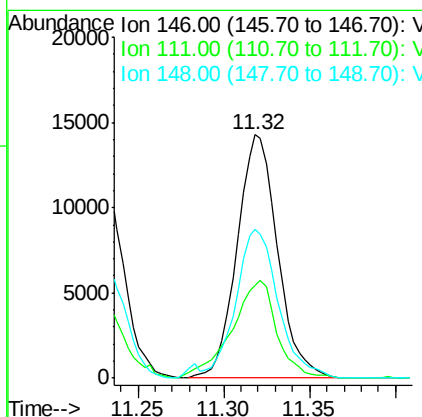
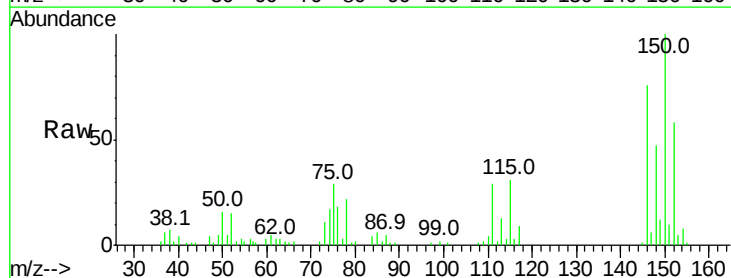
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.561

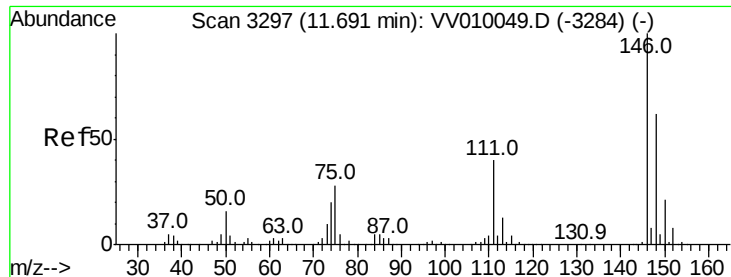
Tgt Ion:146 Resp: 21481
 Ion Ratio Lower Upper
 146 100
 111 38.4 27.4 51.0
 148 62.7 45.8 85.2



#64
 1,4-Dichlorobenzene
 Concen: 2.741 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV010047.D
 Acq: 01 Apr 2019 14:36

Tgt Ion:146 Resp: 23307
 Ion Ratio Lower Upper
 146 100
 111 38.3 26.2 48.8
 148 61.3 44.1 81.9





#65

1,2-Dichlorobenzene

Concen: 2.642 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV010047.D

Acq: 01 Apr 2019 14:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.561

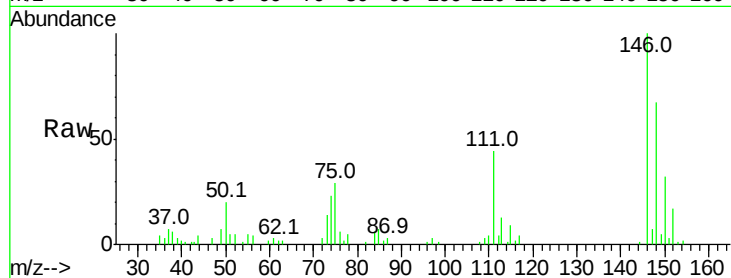
Tgt Ion:146 Resp: 20401

Ion Ratio Lower Upper

146 100

111 44.0 32.2 48.4

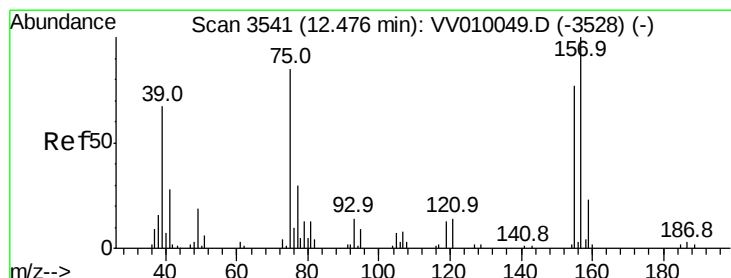
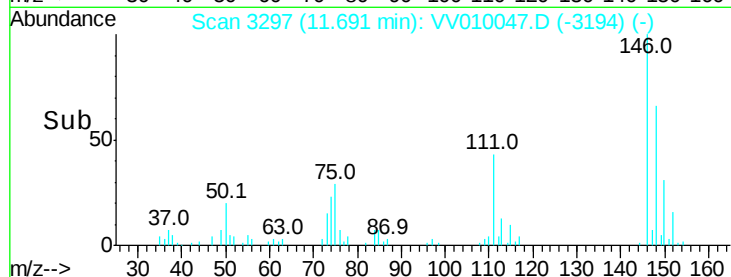
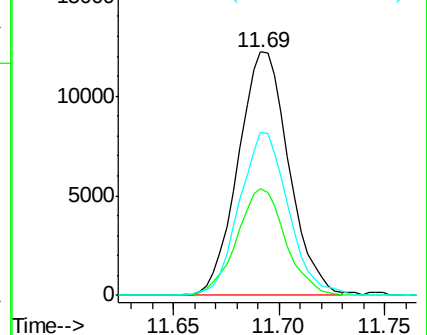
148 66.7 49.9 74.9



Abundance Ion 146.00 (145.70 to 146.70): 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: 2.076 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. 0.00 min

Lab File: VV010047.D

Acq: 01 Apr 2019 14:36

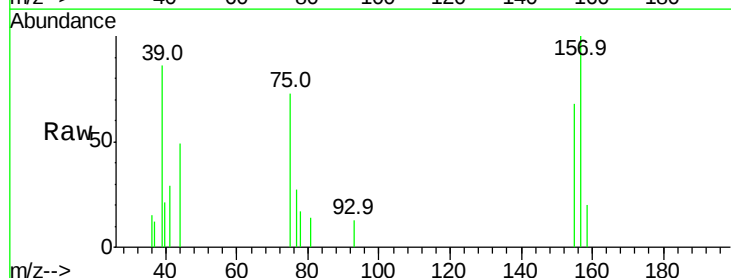
Tgt Ion: 75 Resp: 1002

Ion Ratio Lower Upper

75 100

157 136.4 94.2 141.4

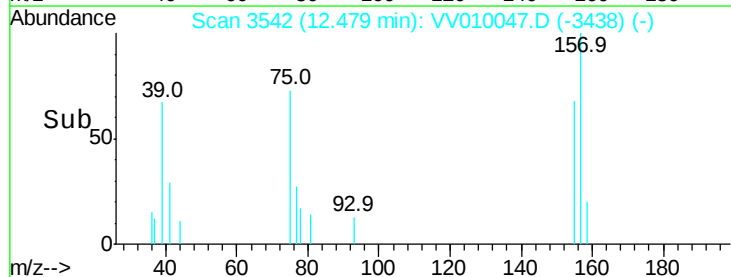
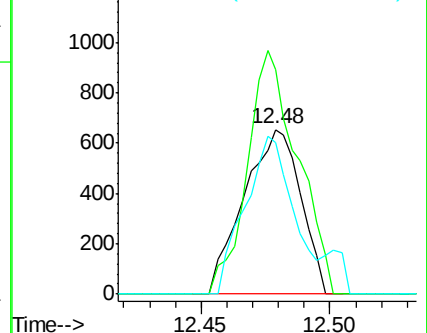
155 92.2 72.2 108.4

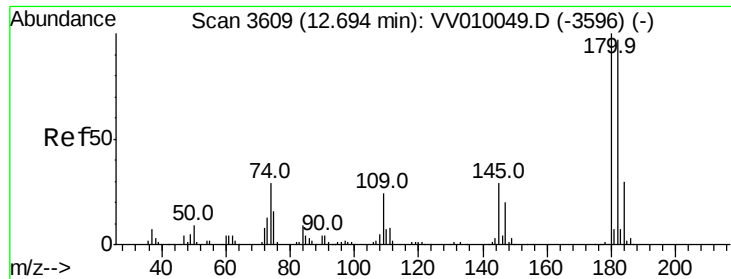


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

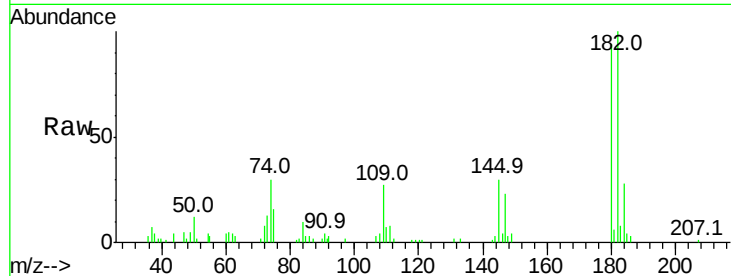




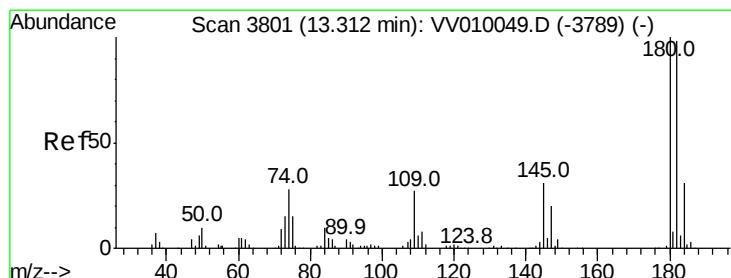
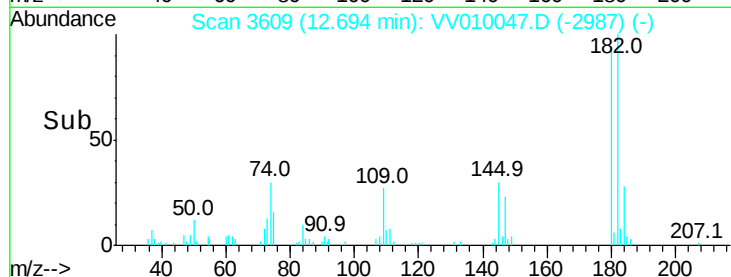
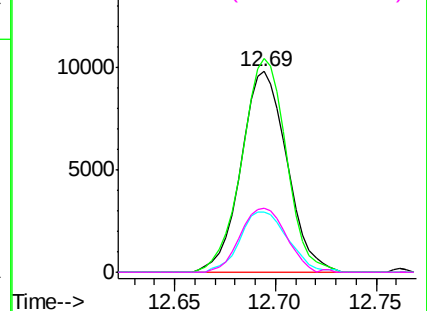
#67
 1,3,5-Trichlorobenzene
 Concen: 2.818 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV010047.D
 Acq: 01 Apr 2019 14:36

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.561

Tgt Ion:180 Resp: 15660
 Ion Ratio Lower Upper
 180 100
 182 103.1 77.3 115.9
 184 31.3 24.3 36.5
 145 31.8 23.7 35.5

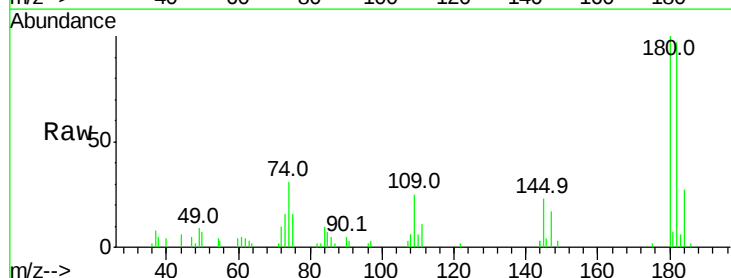


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

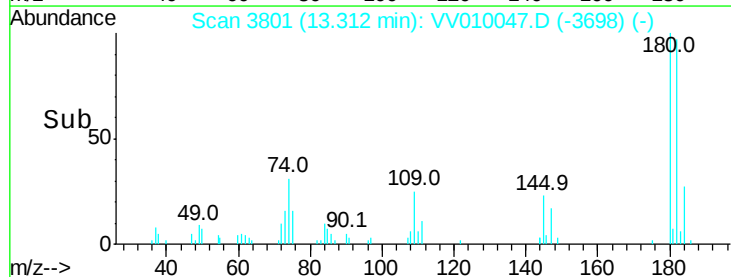
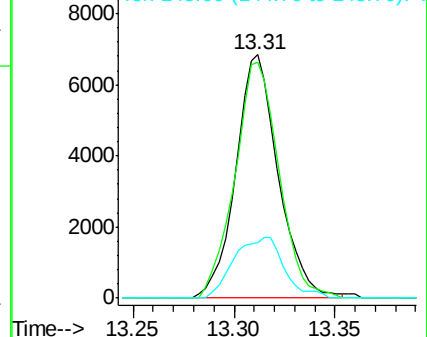


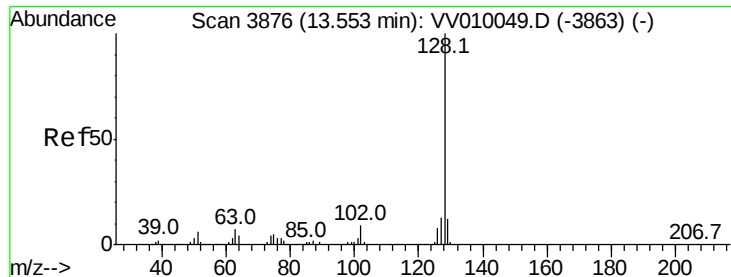
#68
 1,2,4-trichlorobenzene
 Concen: 2.476 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV010047.D
 Acq: 01 Apr 2019 14:36

Tgt Ion:180 Resp: 10150
 Ion Ratio Lower Upper
 180 100
 182 100.1 76.8 115.2
 145 0.0 25.1 37.7#



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





#69

Naphthalene

Concen: 1.989 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV010047.D

Acq: 01 Apr 2019 14:36

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.561

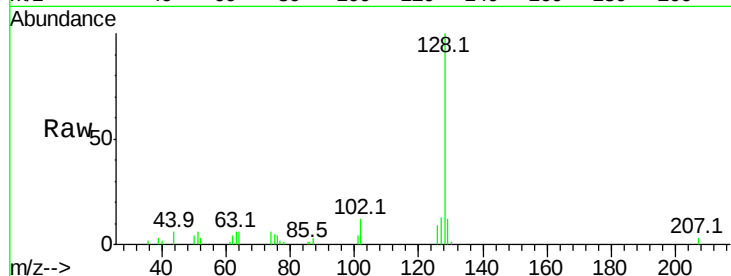
Tgt Ion:128 Resp: 13552

Ion Ratio Lower Upper

128 100

129 12.0 8.8 13.2

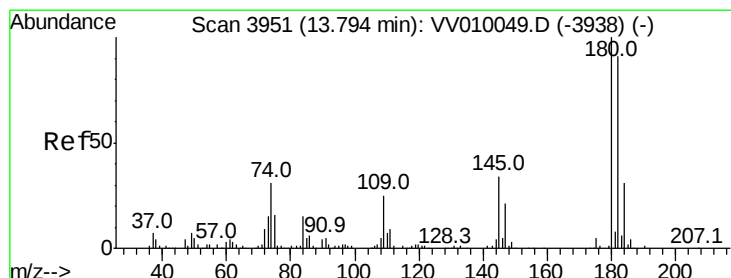
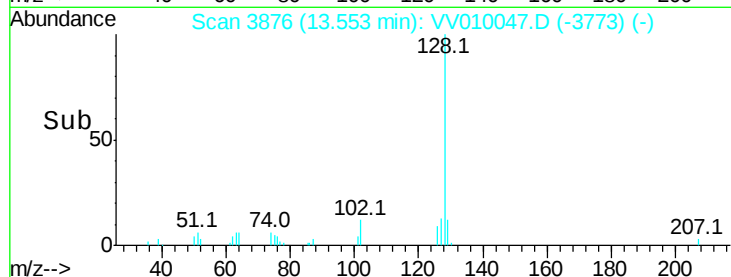
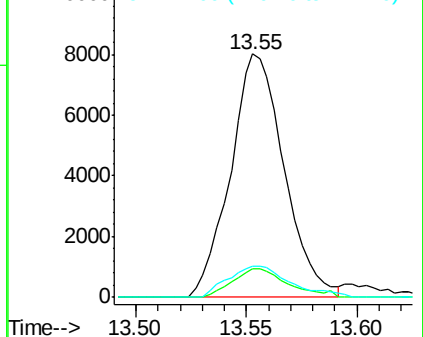
127 13.9 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 2.417 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV010047.D

Acq: 01 Apr 2019 14:36

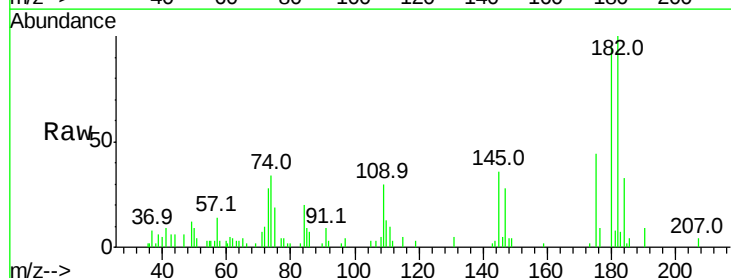
Tgt Ion:180 Resp: 9422

Ion Ratio Lower Upper

180 100

182 98.9 74.2 111.2

145 36.2 26.7 40.1



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

