

Data File : VV010057.D
Acq On : 02 Apr 2019 12:46
Operator : SY/MD
Sample : VSTD2.561
Misc : 5.00G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.561

Quant Time: Apr 02 14:37:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 02 14:35:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	277834	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	253333	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	118487	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	10110	2.65	ug/L	0.00
7) Chloroethane-d5	1.57	69	12087	3.60	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	24839	2.59	ug/L	0.00
20) 2-Butanone-d5	3.96	46	2235	2.16	ug/L	0.02
24) Chloroform-d	4.40	84	16232	2.43	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	8944	2.19	ug/L	0.00
29) Benzene-d6	5.10	84	33954	2.60	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	9833	2.64	ug/L	0.00
37) Toluene-d8	7.36	98	29396	2.30	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.67	79	3071	1.91	ug/L	0.00
39) 2-Hexanone-d5	8.14	63	2877	3.90	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	8829	2.30	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	11276	2.39	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	12378	2.893	ug/L	98
3) Chloromethane	1.25	50	10586	2.831	ug/L	95
5) Vinyl chloride	1.32	62	11281	2.758	ug/L	89
6) Bromomethane	1.53	94	12581	3.452	ug/L	97
8) Chloroethane	1.59	64	9629	3.557	ug/L	90
9) Trichlorofluoromethane	1.76	101	22456	2.668	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	12812	2.689	ug/L	98
12) 1,1-Dichloroethene	2.14	96	10701	2.606	ug/L	85
13) Acetone	2.20	43	6580	5.371	ug/L	89
14) Carbon disulfide	2.32	76	21726	2.634	ug/L	99
15) Methyl Acetate	2.46	43	4263	2.398	ug/L #	89
16) Methylene chloride	2.54	84	25364	5.225	ug/L	96
17) Methyl tert-butyl Ether	2.81	73	19253	2.273	ug/L	94
18) trans-1,2-Dichloroethene	2.79	96	9733	2.848	ug/L	94
19) 1,1-Dichloroethane	3.23	63	14697	2.445	ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	9516	2.485	ug/L	96
23) Bromochloromethane	4.29	128	1844	0.974	ug/L	90
25) Chloroform	4.43	83	16666	2.367	ug/L	94
27) 1,2-Dichloroethane	5.18	62	11160	2.495	ug/L #	91
30) Cyclohexane	4.72	56	12534	2.708	ug/L	100
31) 1,1,1-Trichloroethane	4.66	97	14172	2.738	ug/L	93
32) Carbon tetrachloride	4.87	117	11355	2.409	ug/L	86
34) Benzene	5.14	78	34501	2.719	ug/L	100
35) Trichloroethene	5.96	95	10330	2.847	ug/L	93
36) Methylcyclohexane	6.17	83	15362	2.752	ug/L	98
40) 1,2-Dichloropropane	6.22	63	8570	2.761	ug/L #	94
41) Bromodichloromethane	6.56	83	10129	2.448	ug/L	92
42) cis-1,3-Dichloropropene	7.07	75	9675	2.037	ug/L	92
43) 4-Methyl-2-pentanone	7.28	43	11870	5.003	ug/L	92
44) Toluene	7.43	91	37375	2.599	ug/L	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) trans-1,3-Dichloropropene	7.70	75	8533	2.161	ug/L	99
46) 1,1,2-Trichloroethane	7.89	97	6943	2.469	ug/L	97
47) Tetrachloroethene	8.02	164	8643	2.806	ug/L	92
49) 2-Hexanone	8.19	43	7166	4.555	ug/L #	89
50) Dibromochloromethane	8.29	129	6272	1.929	ug/L	94
51) 1,2-Dibromoethane	8.40	107	6668	2.365	ug/L #	96
52) Chlorobenzene	8.93	112	25398	2.565	ug/L	96
53) Ethylbenzene	9.06	91	38985	2.454	ug/L	91
54) m,p-Xylene	9.18	106	14455	2.269	ug/L	92
55) o-xylene	9.59	106	13816	2.293	ug/L	98
56) Styrene	9.61	104	20710	2.054	ug/L	97
57) Isopropylbenzene	9.98	105	36189	2.254	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.29	83	7837	2.154	ug/L	93
59) 1,2,3-Trichloropropane	10.32	75	6619	2.480	ug/L	89
62) Bromoform	9.78	173	3870	2.338	ug/L #	96
63) 1,3-Dichlorobenzene	11.23	146	18790	2.629	ug/L	93
64) 1,4-Dichlorobenzene	11.32	146	18756	2.496	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	17041	2.416	ug/L	94
66) 1,2-Dibromo-3-chloropropan	12.48	75	1150	2.529	ug/L	94
67) 1,3,5-Trichlorobenzene	12.69	180	13907	2.639	ug/L	95
68) 1,2,4-trichlorobenzene	13.31	180	8810	2.292	ug/L	97
69) Naphthalene	13.56	128	11510	1.905	ug/L #	90
70) 1,2,3-Trichlorobenzene	13.79	180	7898	2.193	ug/L	97

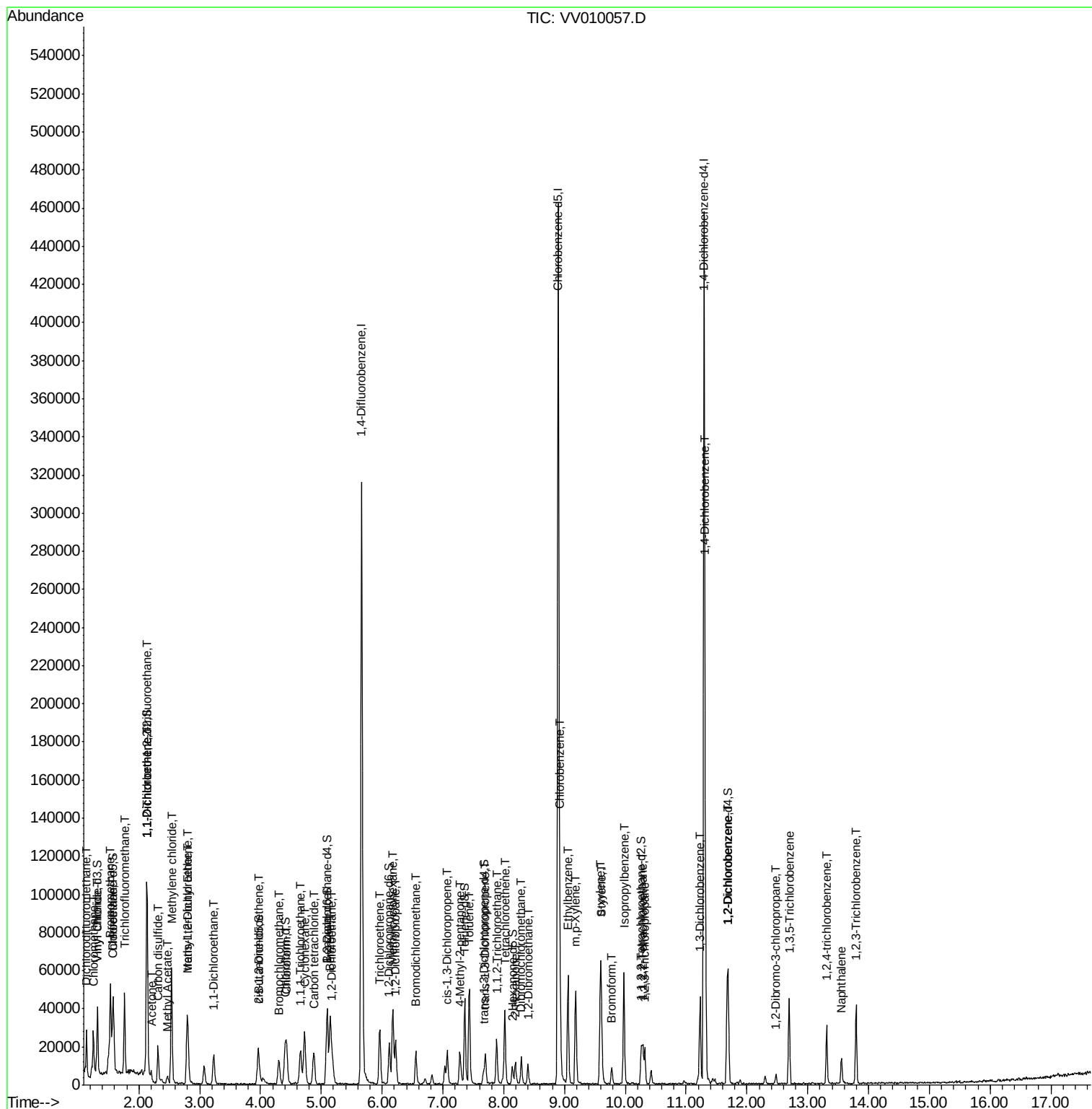
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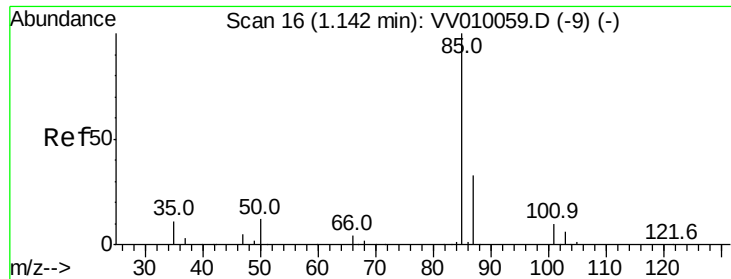
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#2

Dichlorodifluoromethane

Concen: 2.893 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

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Acq: 02 Apr 2019 12:46

Instrument :

MSVOA_V

ClientSampleId :

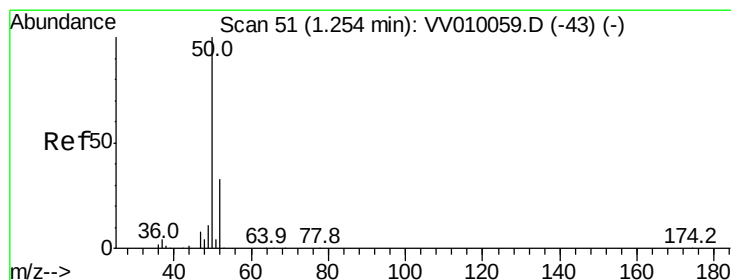
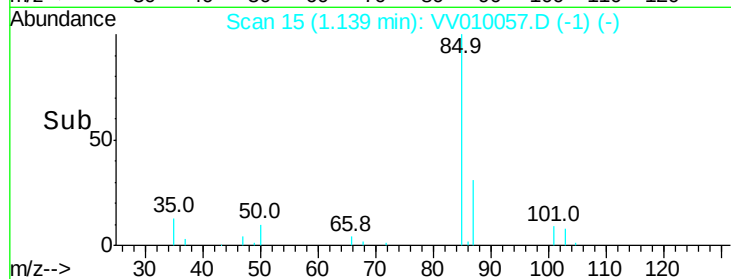
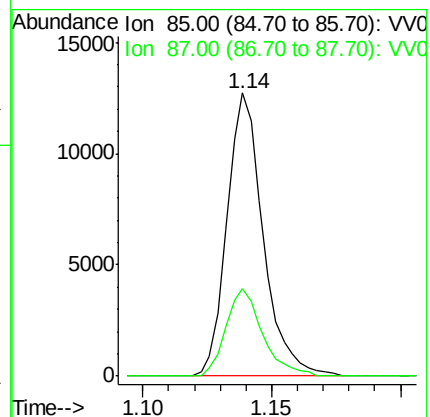
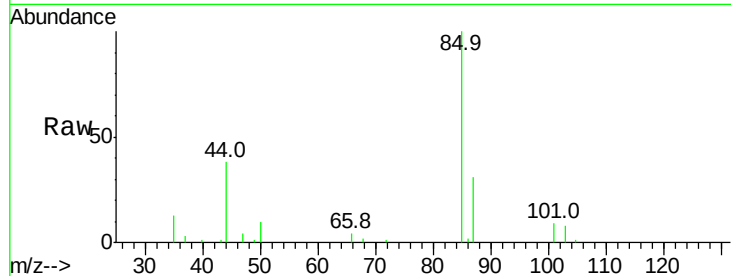
VSTD2.561

Tgt Ion: 85 Resp: 12378

Ion Ratio Lower Upper

85 100

87 31.2 22.5 41.9



#3

Chloromethane

Concen: 2.831 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV010057.D

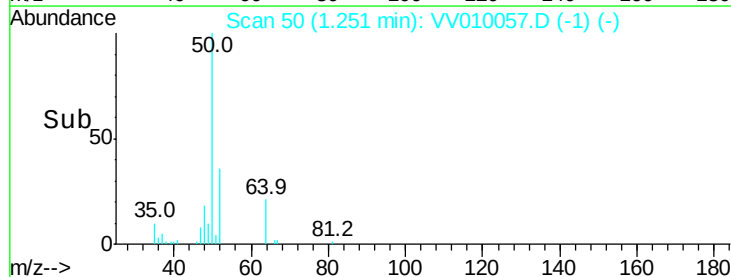
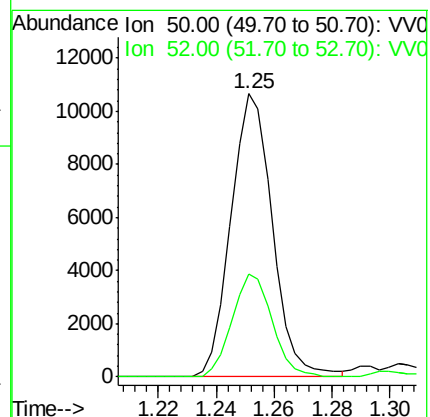
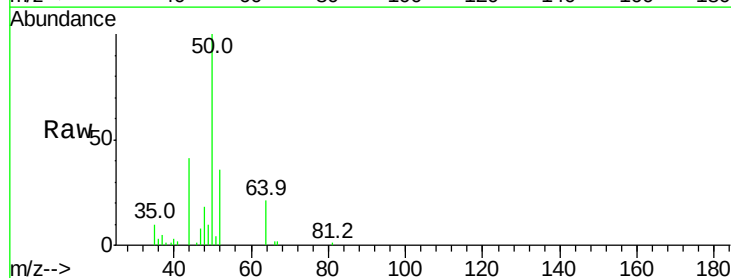
Acq: 02 Apr 2019 12:46

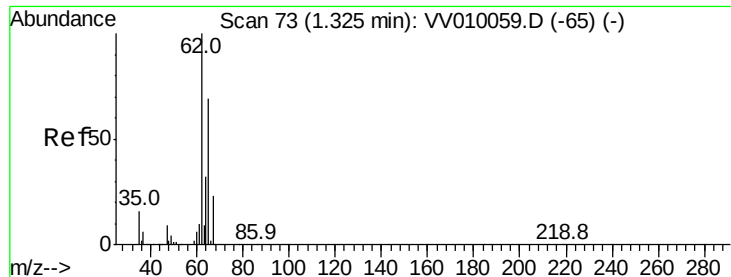
Tgt Ion: 50 Resp: 10586

Ion Ratio Lower Upper

50 100

52 36.3 23.4 43.4





#5

Vinyl chloride

Concen: 2.758 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV010057.D

Acq: 02 Apr 2019 12:46

Instrument :

MSVOA_V

ClientSampleId :

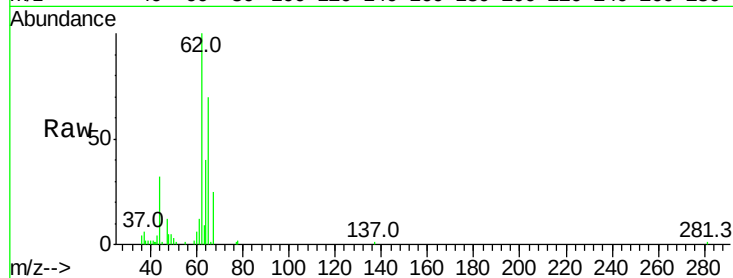
VSTD2.561

Tgt Ion: 62 Resp: 11281

Ion Ratio Lower Upper

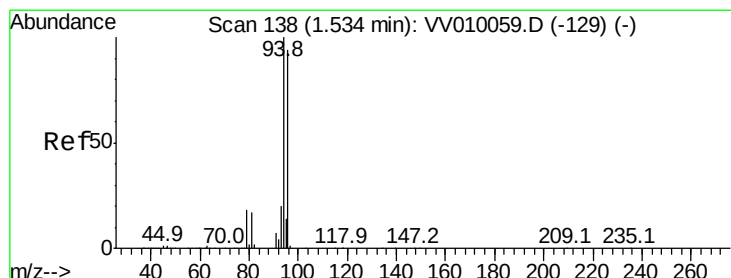
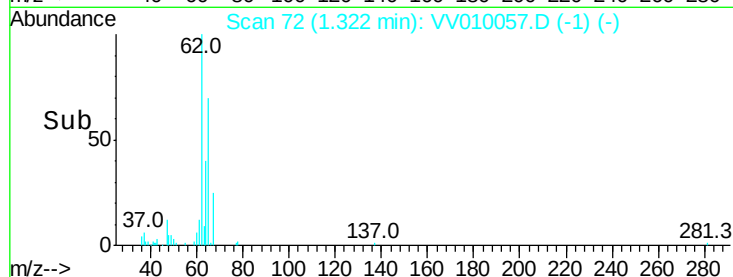
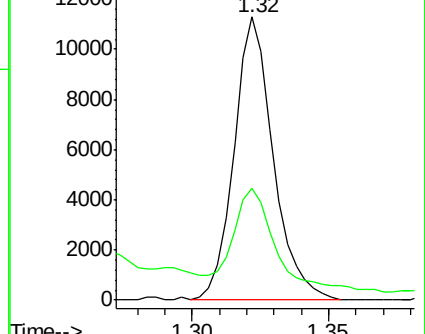
62 100

64 39.7 23.4 43.4



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 3.452 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV010057.D

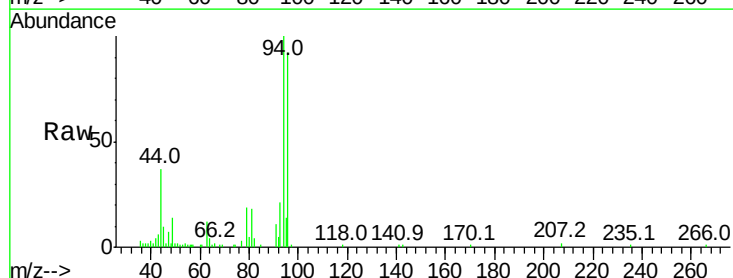
Acq: 02 Apr 2019 12:46

Tgt Ion: 94 Resp: 12581

Ion Ratio Lower Upper

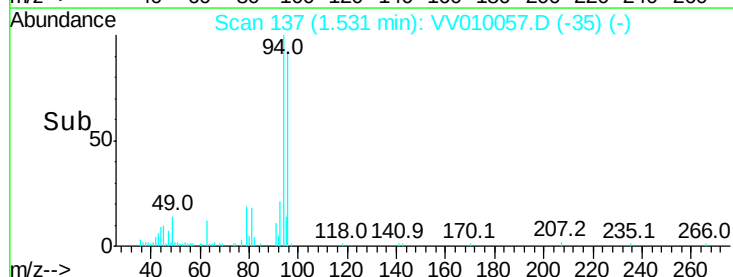
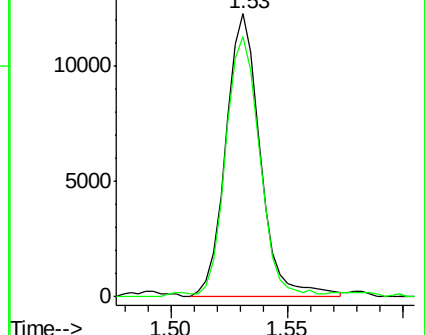
94 100

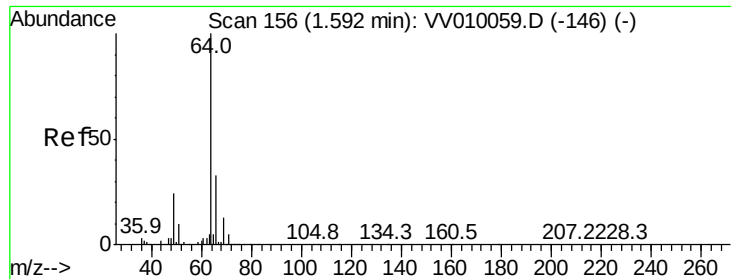
96 90.9 9.4 177.8



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 3.557 ug/L

RT: 1.59 min Scan# 155

Delta R.T. -0.00 min

Lab File: VV010057.D

Acq: 02 Apr 2019 12:46

Instrument :

MSVOA_V

ClientSampleId :

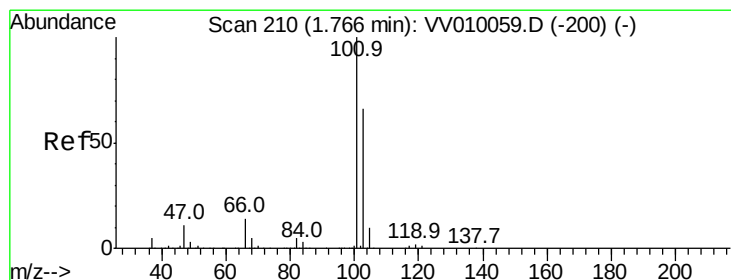
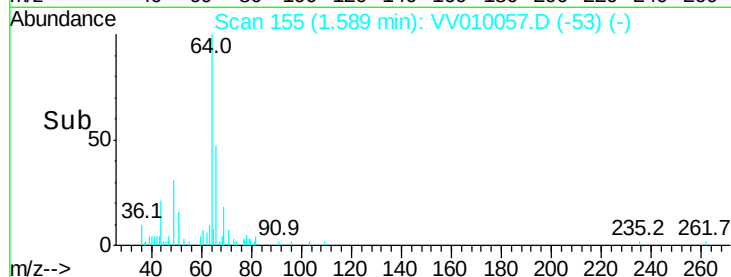
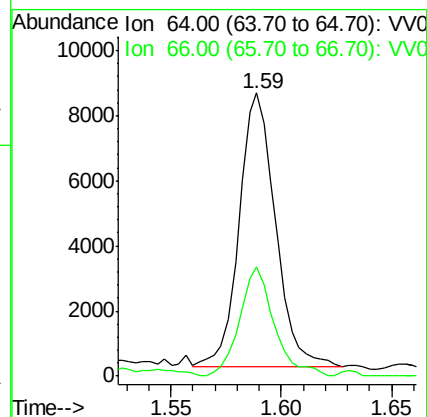
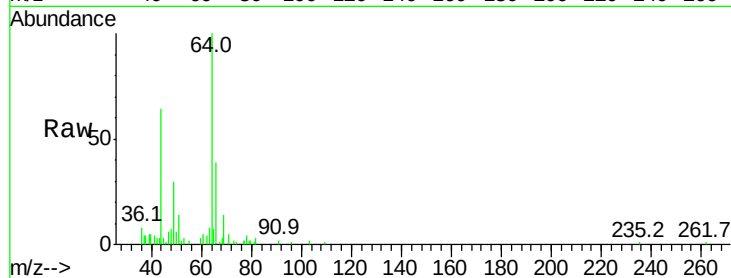
VSTD2.561

Tgt Ion: 64 Resp: 9629

Ion Ratio Lower Upper

64 100

66 38.6 22.9 42.5



#9

Trichlorofluoromethane

Concen: 2.668 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV010057.D

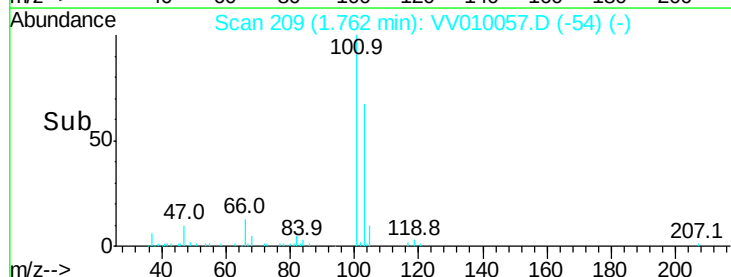
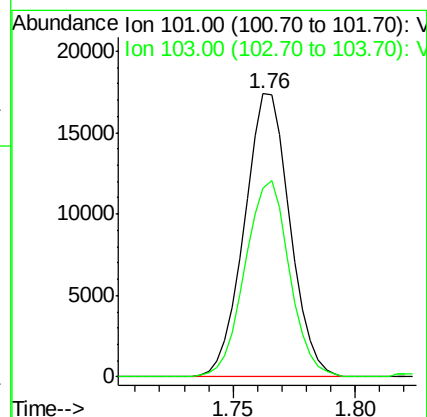
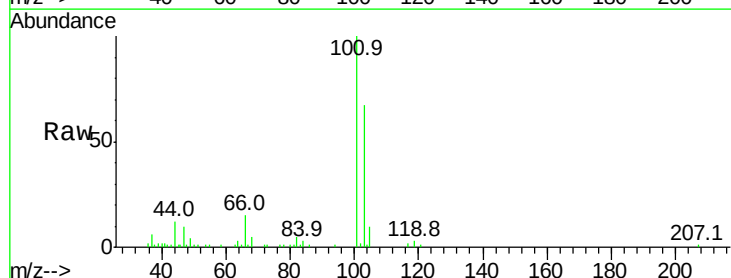
Acq: 02 Apr 2019 12:46

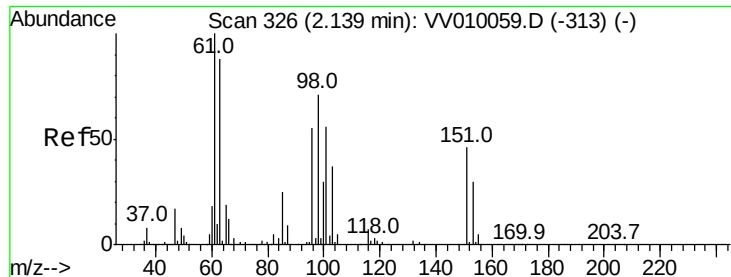
Tgt Ion: 101 Resp: 22456

Ion Ratio Lower Upper

101 100

103 67.7 46.1 85.5





#11

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

Concen: 2.689 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV010057.D

Acq: 02 Apr 2019 12:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.561

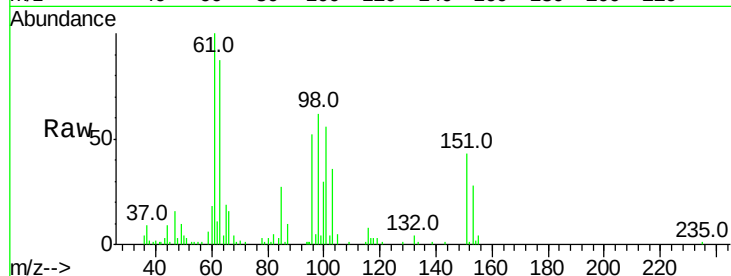
Tgt Ion: 101 Resp: 12812

Ion Ratio Lower Upper

101 100

85 49.7 37.3 55.9

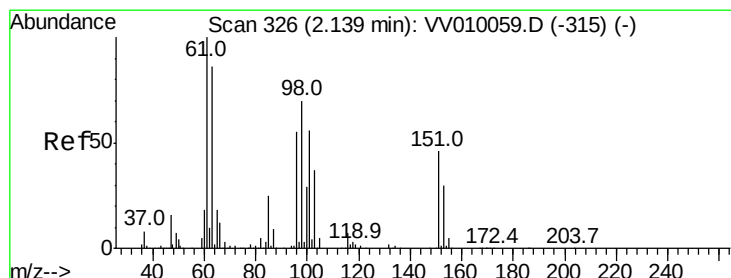
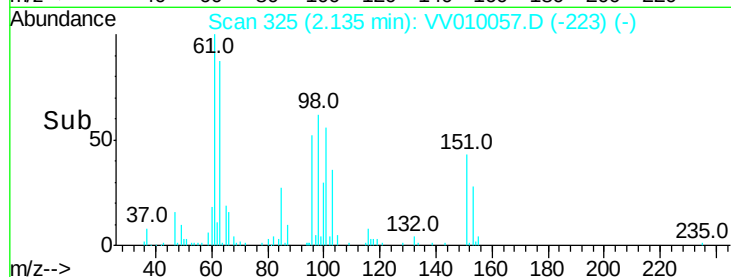
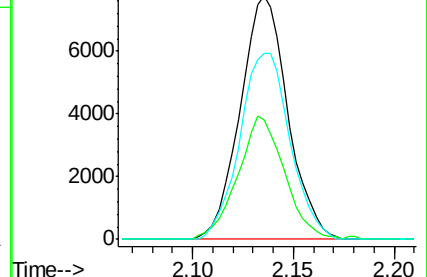
151 80.8 65.4 98.2



Abundance Ion 101.00 (100.70 to 101.70): VV010059.D (-313) (-)

Ion 85.00 (84.70 to 85.70): VV010059.D (-313) (-)

Ion 151.00 (150.70 to 151.70): VV010059.D (-313) (-)



#12

1,1-Dichloroethene

Concen: 2.606 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV010057.D

Acq: 02 Apr 2019 12:46

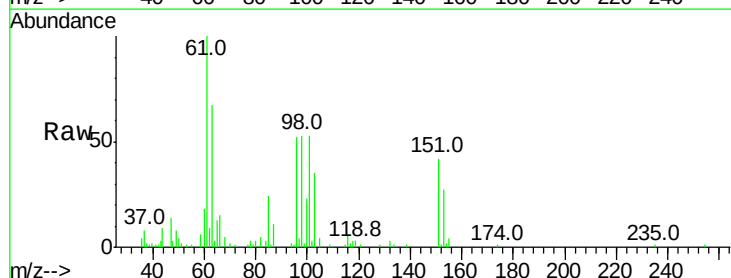
Tgt Ion: 96 Resp: 10701

Ion Ratio Lower Upper

96 100

61 190.5 127.8 237.4

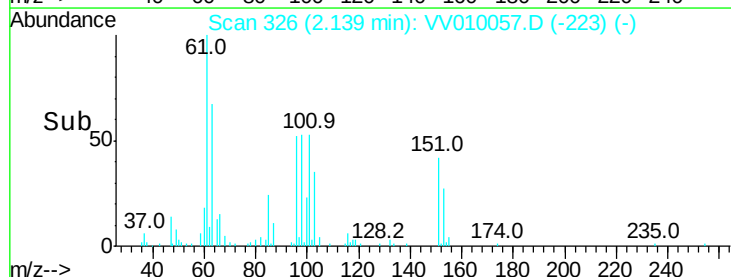
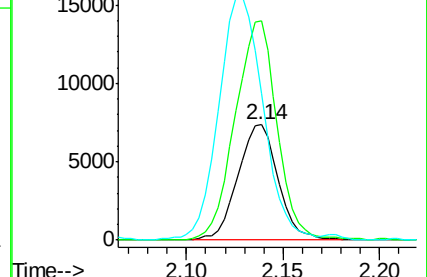
63 126.7 112.6 209.2

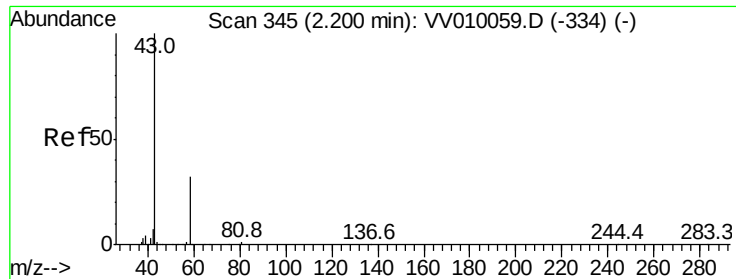


Abundance Ion 96.00 (95.70 to 96.70): VV010059.D (-315) (-)

Ion 61.00 (60.70 to 61.70): VV010059.D (-315) (-)

Ion 63.00 (62.70 to 63.70): VV010059.D (-315) (-)





#13

Acetone

Concen: 5.371 ug/L

RT: 2.20 min Scan# 345

Delta R.T. 0.00 min

Lab File: VV010057.D

Acq: 02 Apr 2019 12:46

Instrument :

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ClientSampleId :

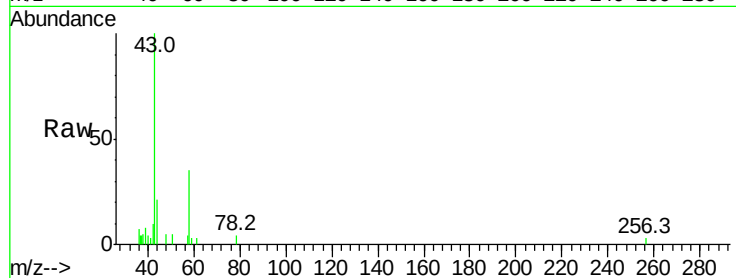
VSTD2.561

Tgt Ion: 43 Resp: 6580

Ion Ratio Lower Upper

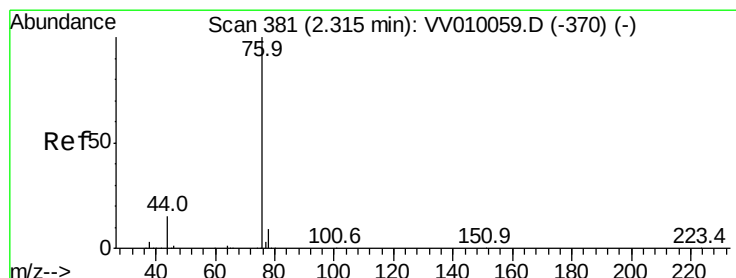
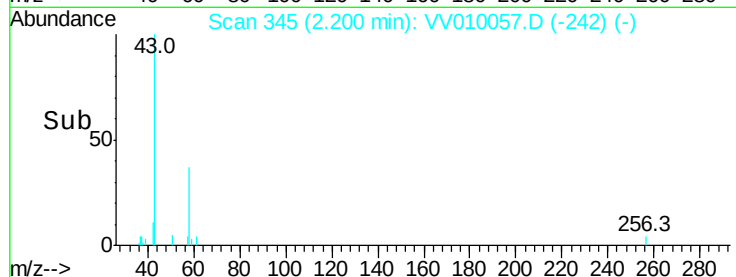
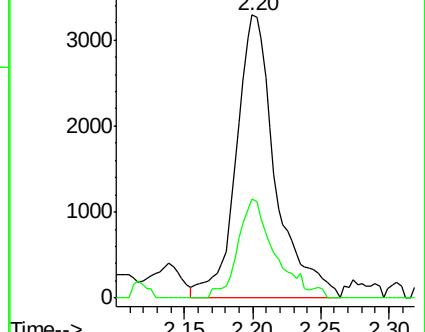
43 100

58 26.1 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VV010059.D (-334) (-)

Ion 58.00 (57.70 to 58.70): VV010059.D (-334) (-)



#14

Carbon disulfide

Concen: 2.634 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV010057.D

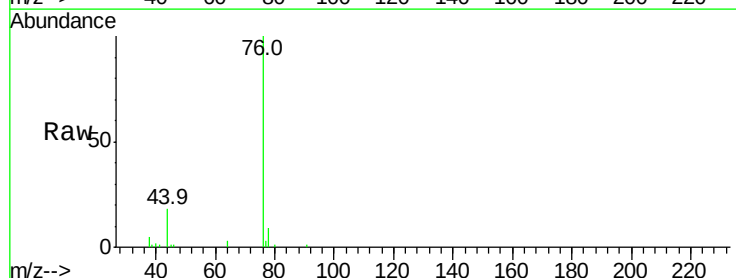
Acq: 02 Apr 2019 12:46

Tgt Ion: 76 Resp: 21726

Ion Ratio Lower Upper

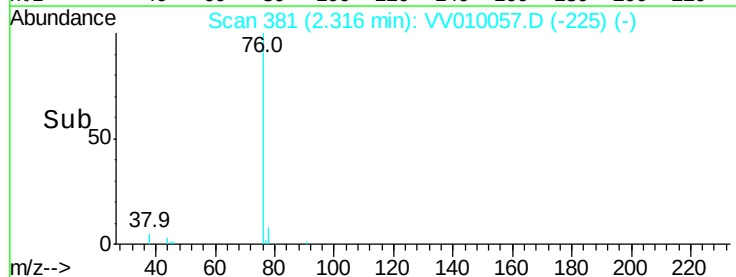
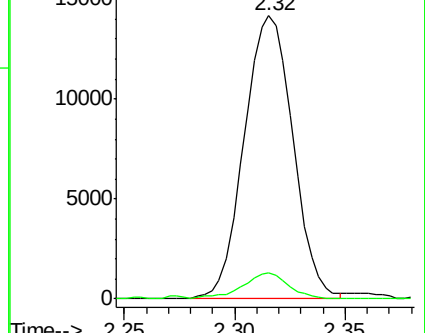
76 100

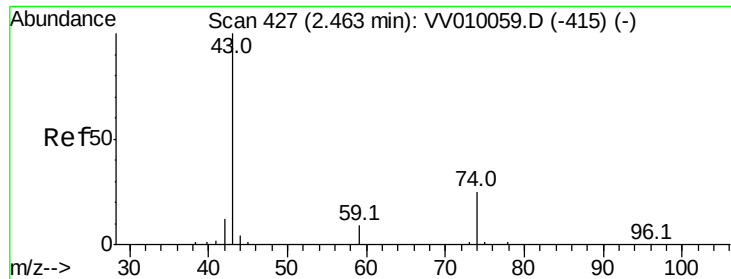
78 9.4 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VV010059.D (-370) (-)

Ion 78.00 (77.70 to 78.70): VV010059.D (-370) (-)

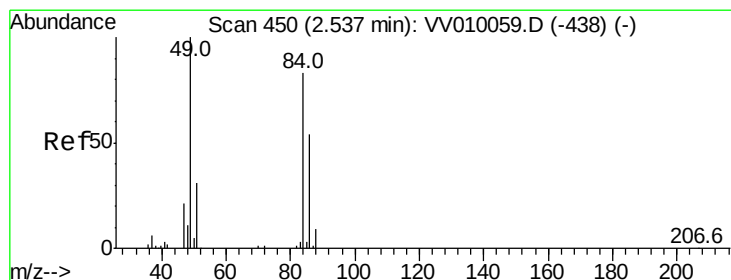
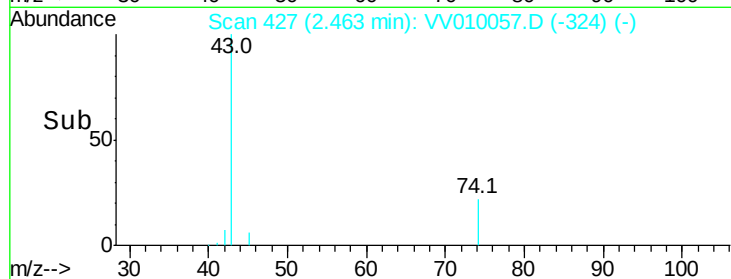
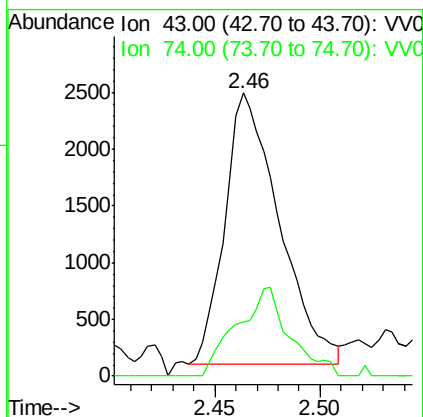
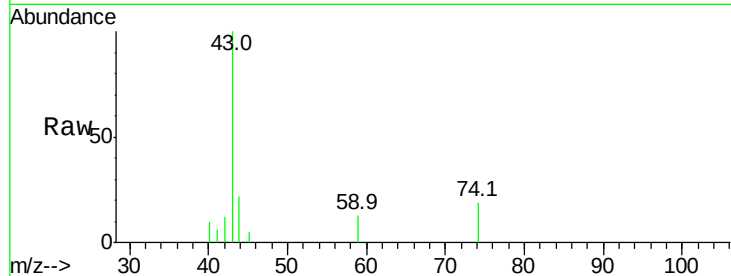




#15
Methyl Acetate
Concen: 2.398 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VV010057.D
Acq: 02 Apr 2019 12:46

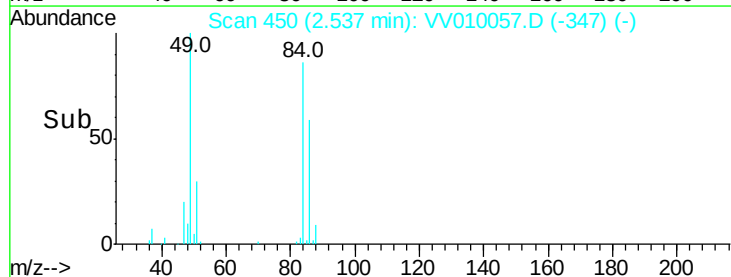
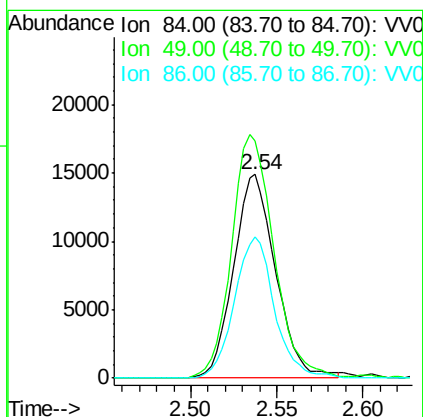
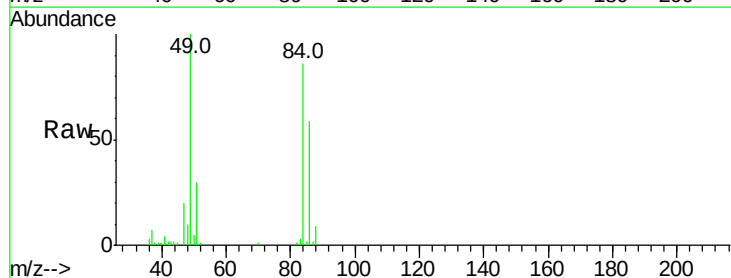
Instrument :
MSVOA_V
ClientSampled :
VSTD2.561

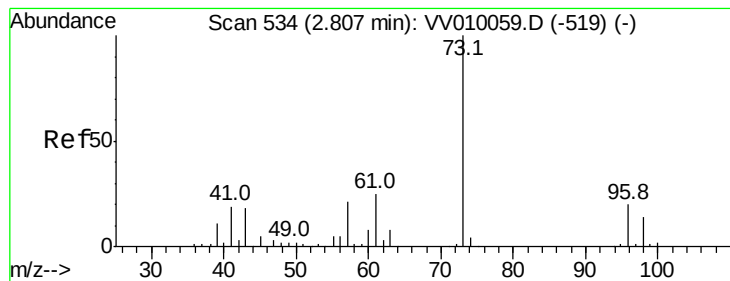
Tgt Ion: 43 Resp: 4263
Ion Ratio Lower Upper
43 100
74 30.5 20.0 30.0#



#16
Methylene chloride
Concen: 5.225 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV010057.D
Acq: 02 Apr 2019 12:46

Tgt Ion: 84 Resp: 25364
Ion Ratio Lower Upper
84 100
49 116.7 84.3 156.5
86 69.1 45.4 84.2





#17

Methyl tert-butyl Ether

Concen: 2.273 ug/L

RT: 2.81 min Scan# 535

Delta R.T. 0.00 min

Lab File: VV010057.D

Acq: 02 Apr 2019 12:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.561

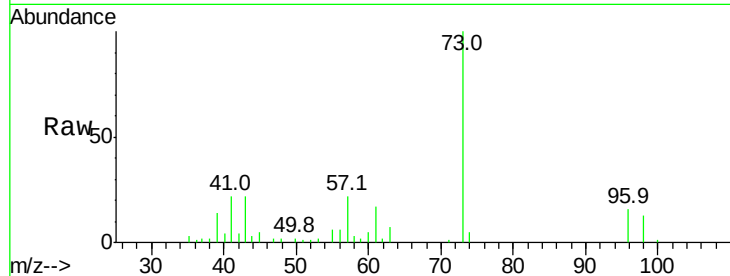
Tgt Ion: 73 Resp: 19253

Ion Ratio Lower Upper

73 100

43 22.1 15.5 23.3

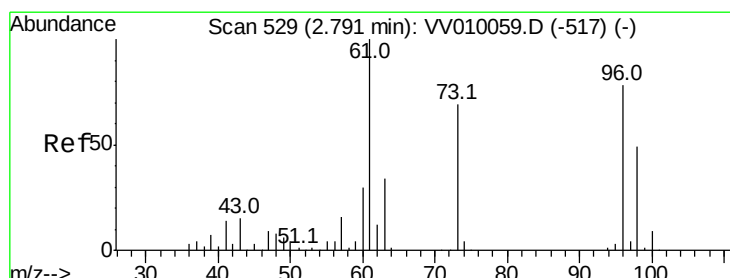
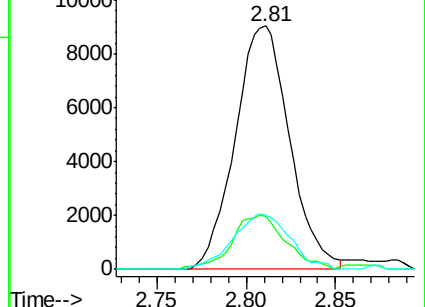
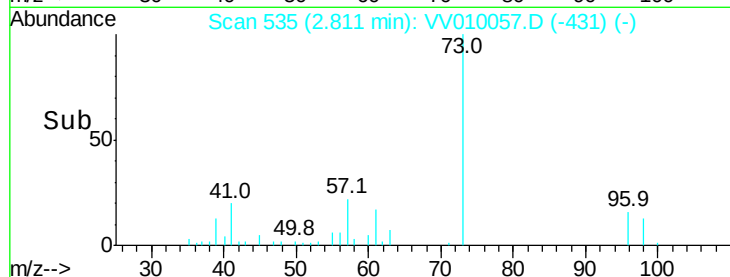
57 23.9 16.8 25.2



Abundance Ion 73.00 (72.70 to 73.70): VV010059.D (-519) (-)

Ion 43.00 (42.70 to 43.70): VV010059.D (-519) (-)

Ion 57.00 (56.70 to 57.70): VV010059.D (-519) (-)



#18

trans-1,2-Dichloroethene

Concen: 2.848 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV010057.D

Acq: 02 Apr 2019 12:46

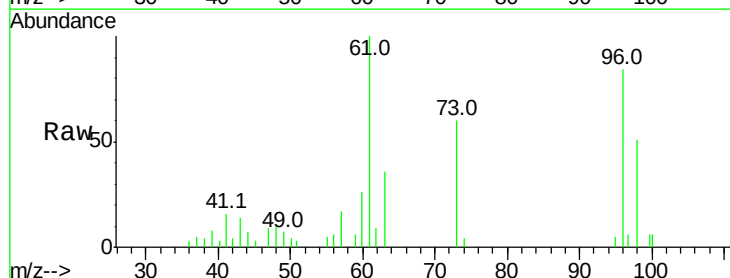
Tgt Ion: 96 Resp: 9733

Ion Ratio Lower Upper

96 100

61 119.5 90.0 167.2

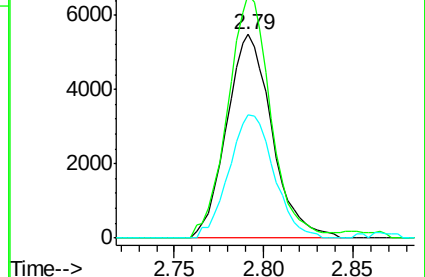
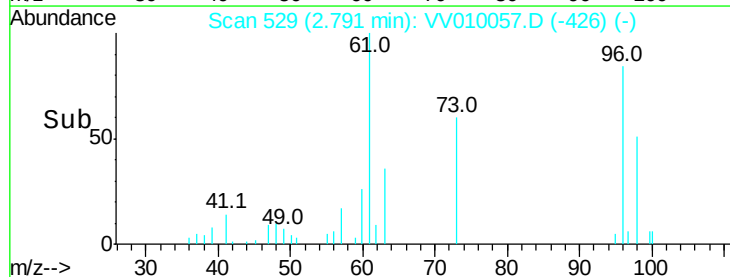
98 60.5 44.2 82.2

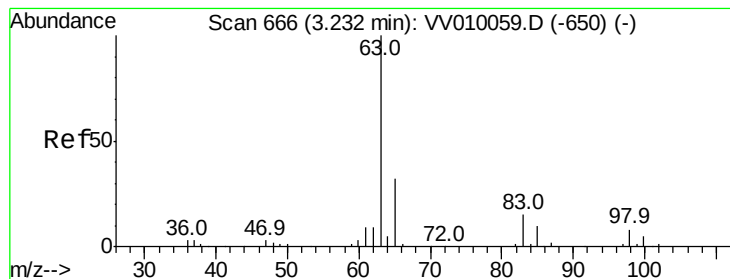


Abundance Ion 96.00 (95.70 to 96.70): VV010059.D (-517) (-)

Ion 61.00 (60.70 to 61.70): VV010059.D (-517) (-)

Ion 98.00 (97.70 to 98.70): VV010059.D (-517) (-)





#19

1,1-Dichloroethane

Concen: 2.445 ug/L

RT: 3.23 min Scan# 666

Delta R.T. 0.00 min

Lab File: VV010057.D

Acq: 02 Apr 2019 12:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.561

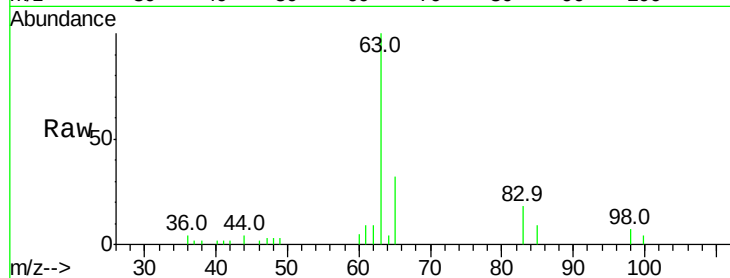
Tgt Ion: 63 Resp: 14697

Ion Ratio Lower Upper

63 100

65 32.3 22.3 41.3

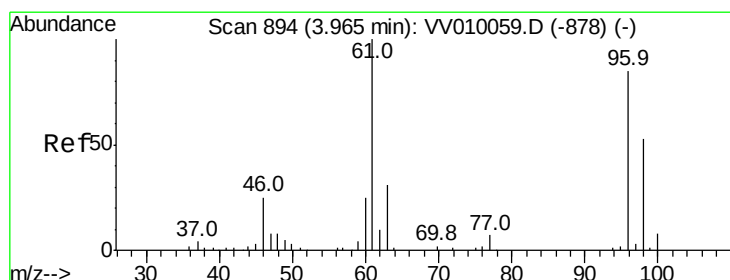
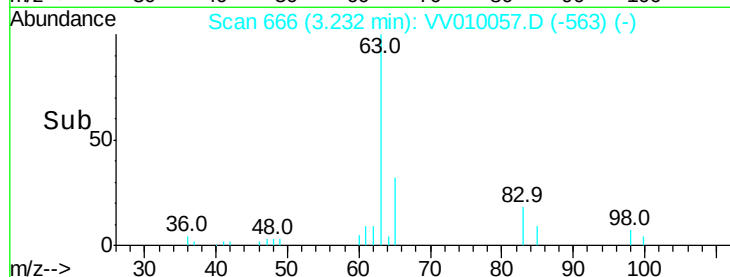
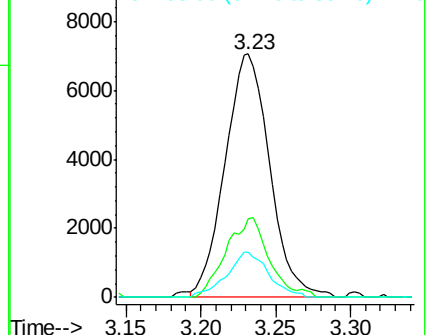
83 18.3 10.4 19.4



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 65.00 (64.70 to 65.70): VV0

Ion 83.00 (82.70 to 83.70): VV0



#22

cis-1,2-Dichloroethene

Concen: 2.485 ug/L

RT: 3.96 min Scan# 893

Delta R.T. -0.00 min

Lab File: VV010057.D

Acq: 02 Apr 2019 12:46

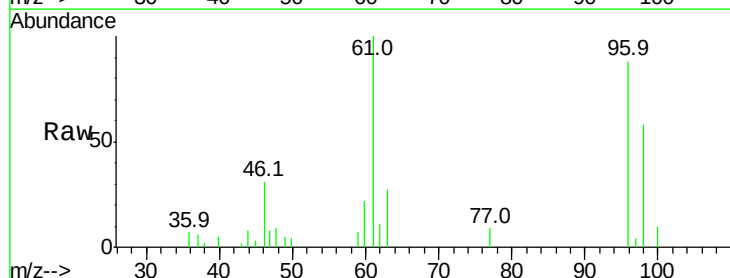
Tgt Ion: 96 Resp: 9516

Ion Ratio Lower Upper

96 100

61 113.2 82.7 153.5

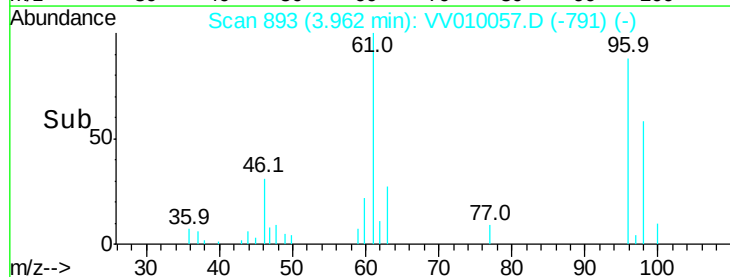
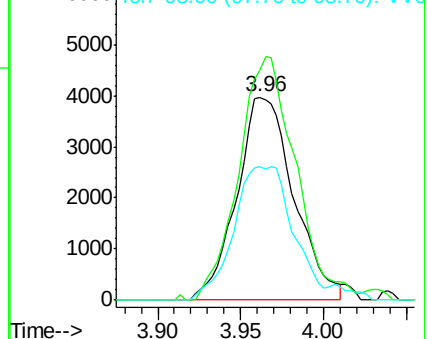
98 65.6 43.9 81.5

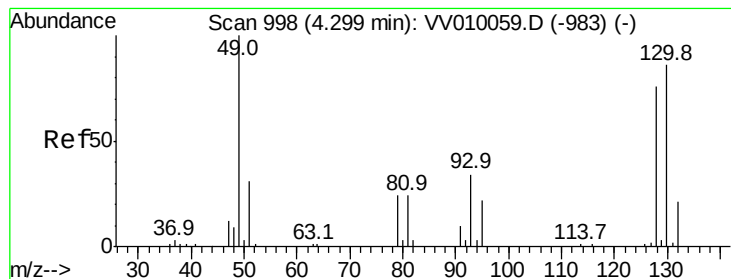


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#23

Bromochloromethane

Concen: 0.974 ug/L

RT: 4.29 min Scan# 995

Delta R.T. -0.01 min

Lab File: VV010057.D

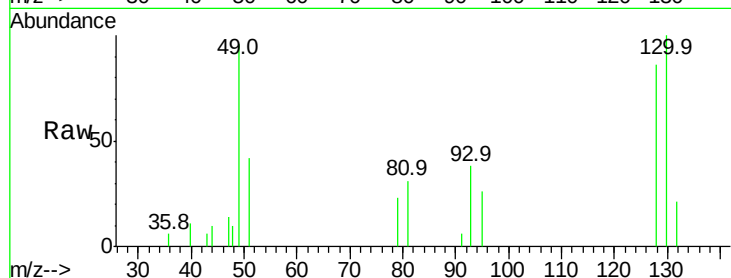
Acq: 02 Apr 2019 12:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.561



Tgt Ion:128 Resp: 1844

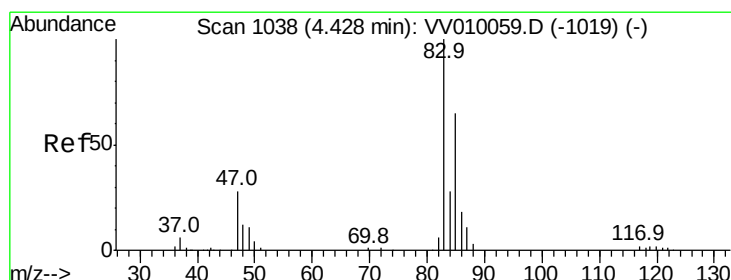
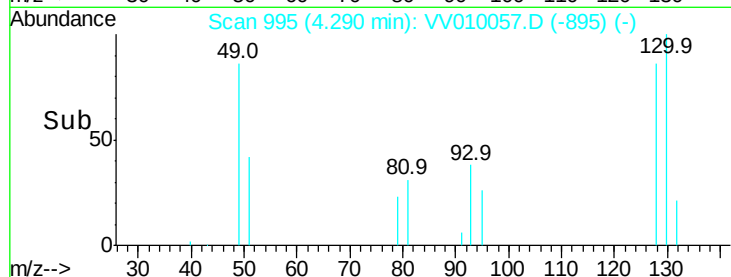
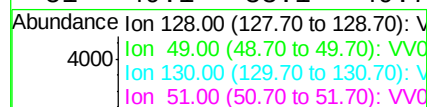
Ion Ratio Lower Upper

128 100

49 111.3 92.8 172.4

130 116.1 80.6 149.6

51 49.1 33.1 49.7



#25

Chloroform

Concen: 2.367 ug/L

RT: 4.43 min Scan# 1038

Delta R.T. 0.00 min

Lab File: VV010057.D

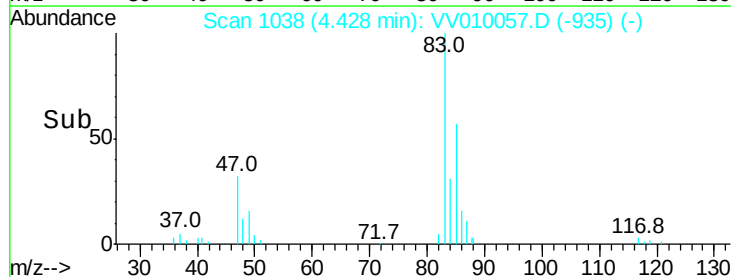
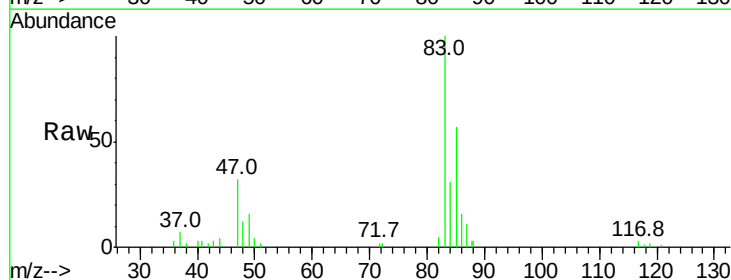
Acq: 02 Apr 2019 12:46

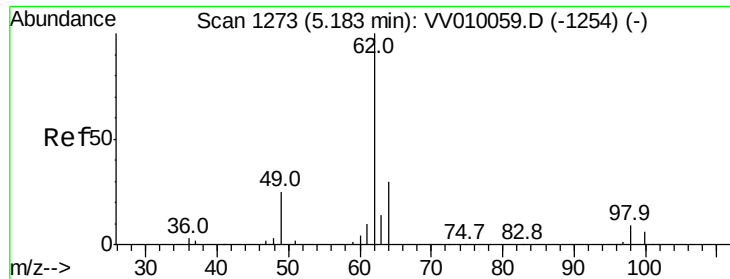
Tgt Ion: 83 Resp: 16666

Ion Ratio Lower Upper

83 100

85 61.3 46.4 86.2

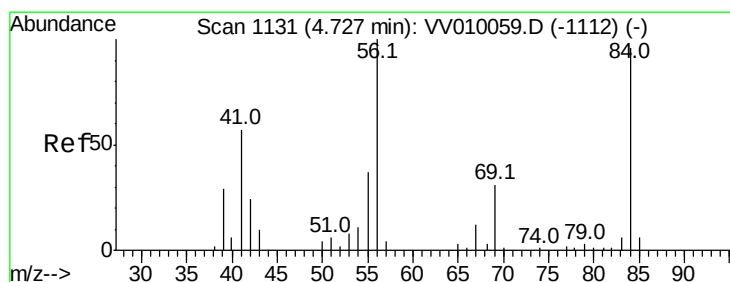
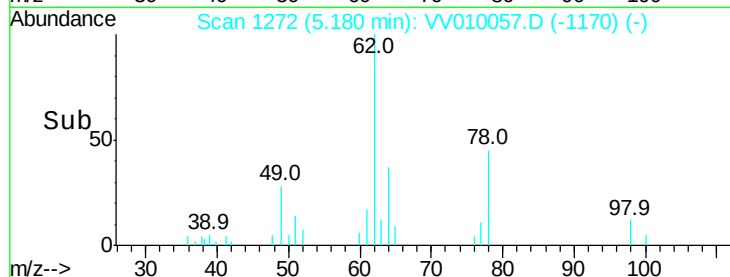
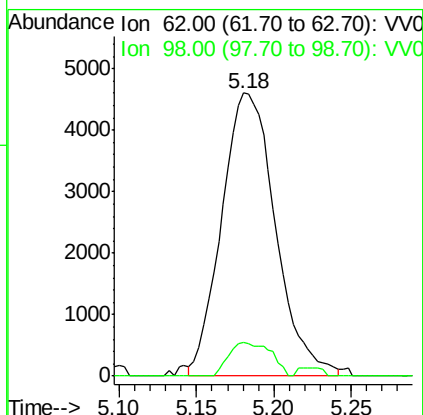
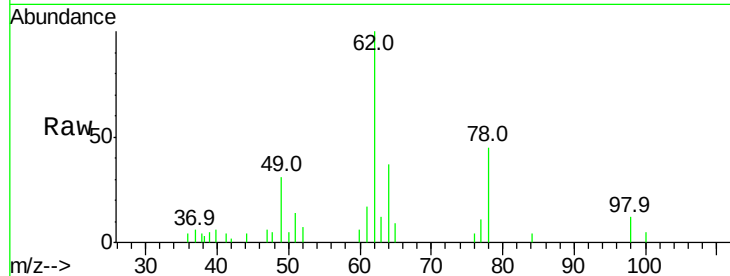




#27
 1,2-Dichloroethane
 Concen: 2.495 ug/L
 RT: 5.18 min Scan# 1272
 Delta R.T. -0.00 min
 Lab File: VV010057.D
 Acq: 02 Apr 2019 12:46

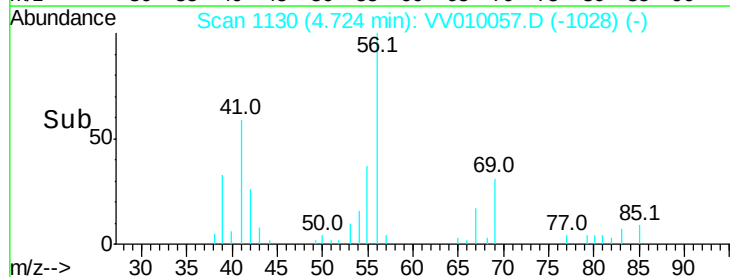
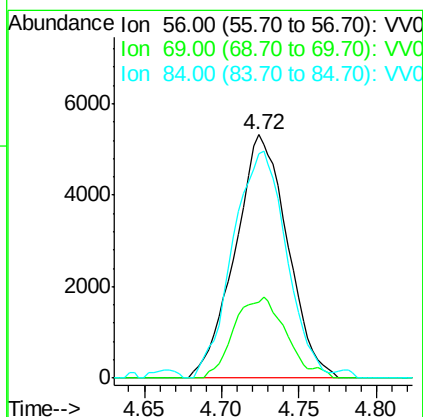
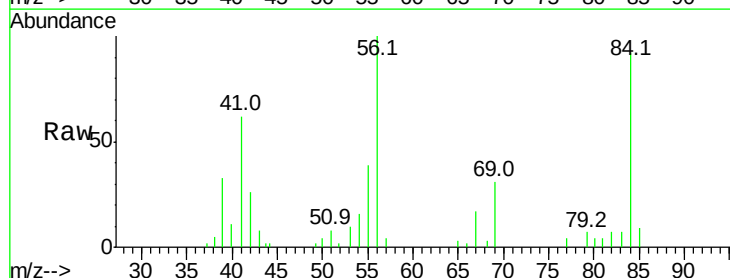
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.561

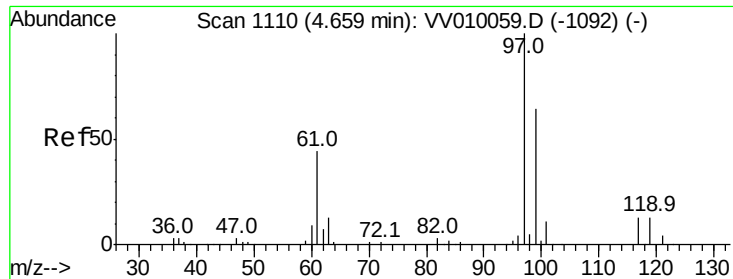
Tgt Ion: 62 Resp: 11160
 Ion Ratio Lower Upper
 62 100
 98 12.1 7.2 10.8#



#30
 Cyclohexane
 Concen: 2.708 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. -0.00 min
 Lab File: VV010057.D
 Acq: 02 Apr 2019 12:46

Tgt Ion: 56 Resp: 12534
 Ion Ratio Lower Upper
 56 100
 69 31.9 25.1 37.7
 84 95.3 76.0 114.0





#31

1,1,1-Trichloroethane

Concen: 2.738 ug/L

RT: 4.66 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VV010057.D

Acq: 02 Apr 2019 12:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.561

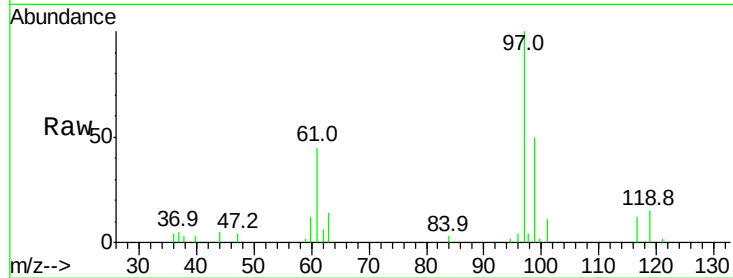
Tgt Ion: 97 Resp: 14172

Ion Ratio Lower Upper

97 100

99 57.6 52.4 78.6

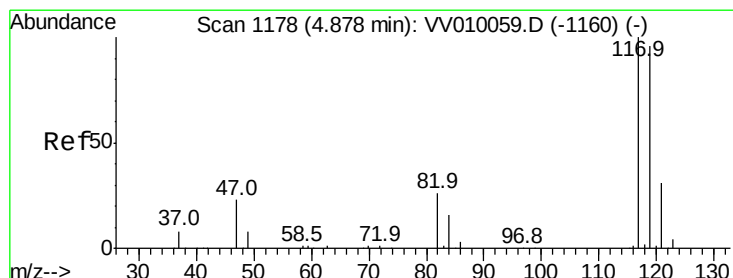
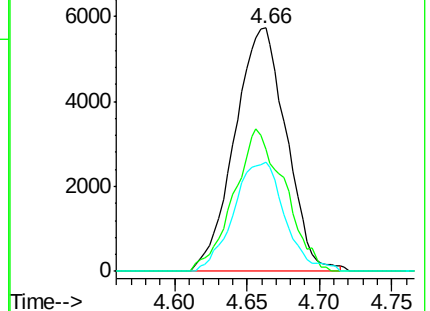
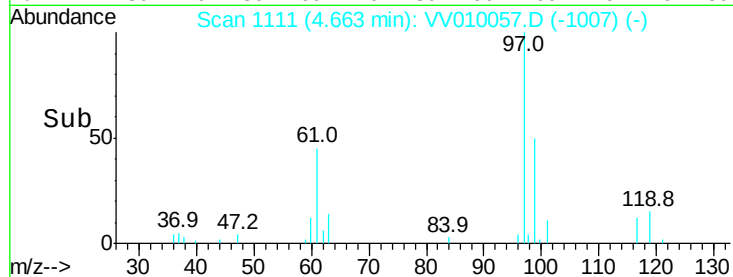
61 43.5 34.1 51.1



Abundance Ion 97.00 (96.70 to 97.70): VV010057.D (-1092) (-)

Ion 99.00 (98.70 to 99.70): VV010057.D (-1092) (-)

Ion 61.00 (60.70 to 61.70): VV010057.D (-1092) (-)



#32

Carbon tetrachloride

Concen: 2.409 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV010057.D

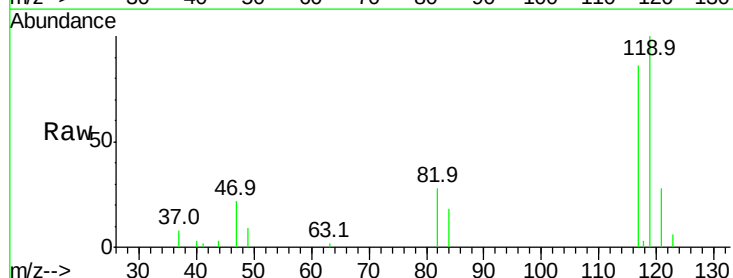
Acq: 02 Apr 2019 12:46

Tgt Ion: 117 Resp: 11355

Ion Ratio Lower Upper

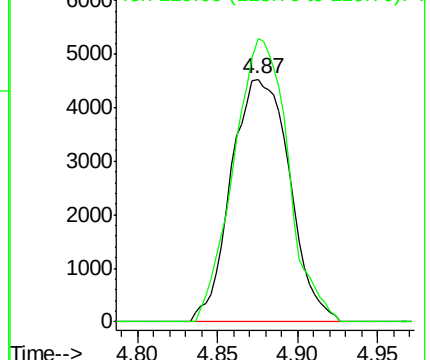
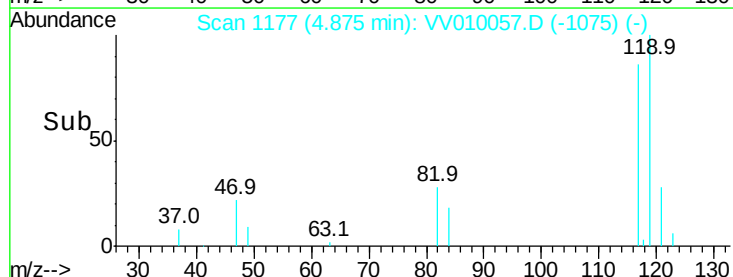
117 100

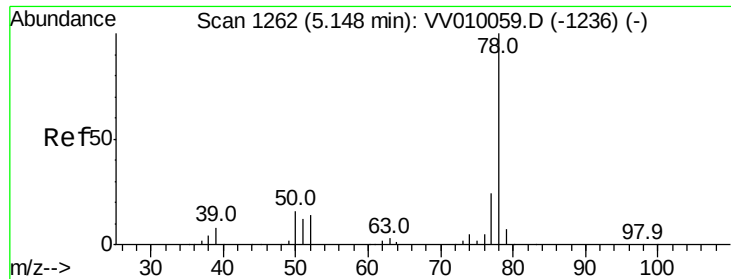
119 108.4 76.1 114.1



Abundance Ion 117.00 (116.70 to 117.70): VV010057.D (-1075) (-)

Ion 119.00 (118.70 to 119.70): VV010057.D (-1075) (-)





#34

Benzene

Concen: 2.719 ug/L

RT: 5.14 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VV010057.D

Acq: 02 Apr 2019 12:46

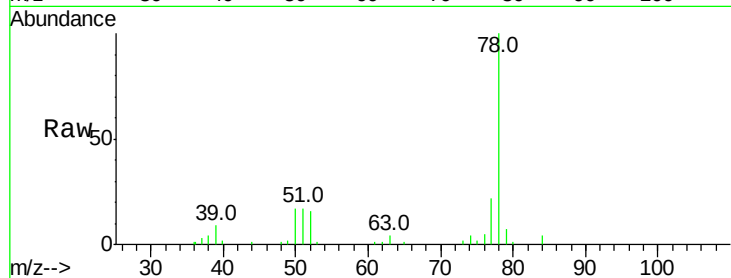
Instrument :

MSVOA_V

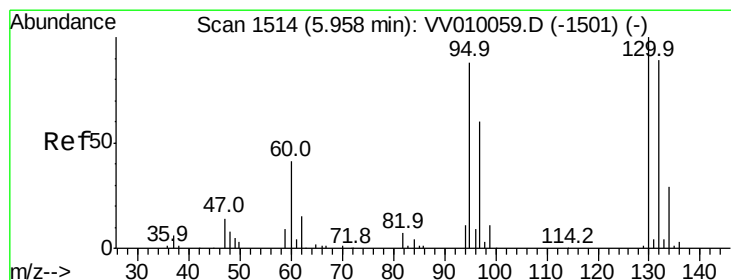
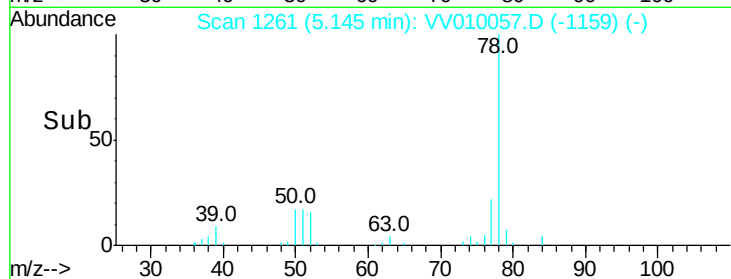
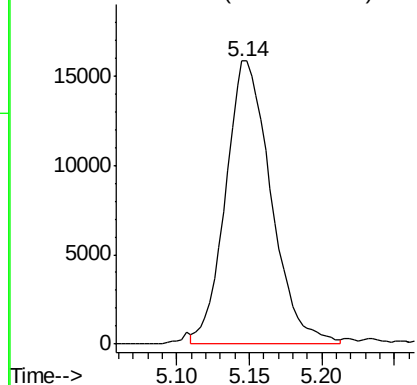
ClientSampleId :

VSTD2.561

Tgt Ion: 78 Resp: 34501



Abundance Ion 78.00 (77.70 to 78.70): VV0



#35

Trichloroethene

Concen: 2.847 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV010057.D

Acq: 02 Apr 2019 12:46

Tgt Ion: 95 Resp: 10330

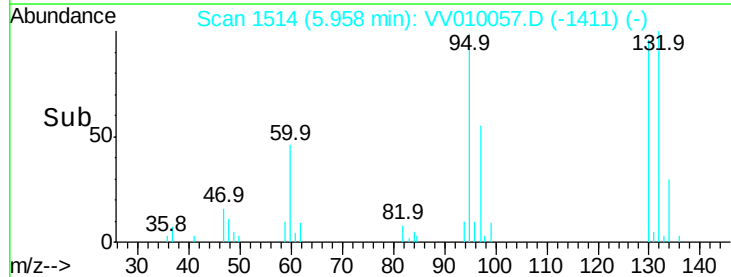
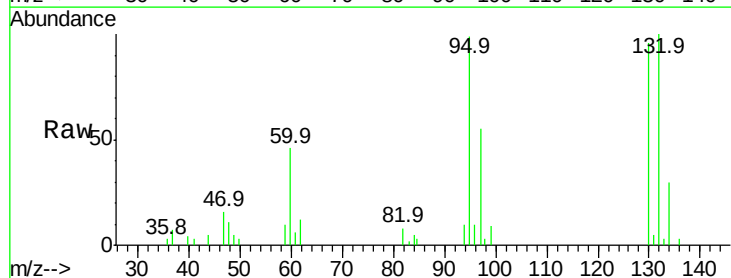
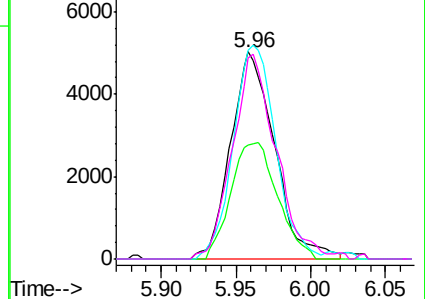
Ion	Ratio	Lower	Upper
95	100		
97	59.2	45.8	85.2
132	99.2	70.6	131.0
130	97.3	76.1	141.3

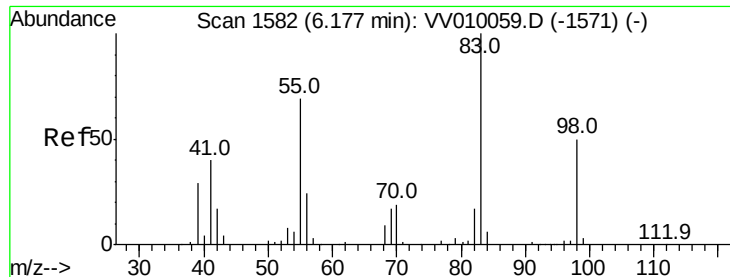
Abundance Ion 95.00 (94.70 to 95.70): VV0

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

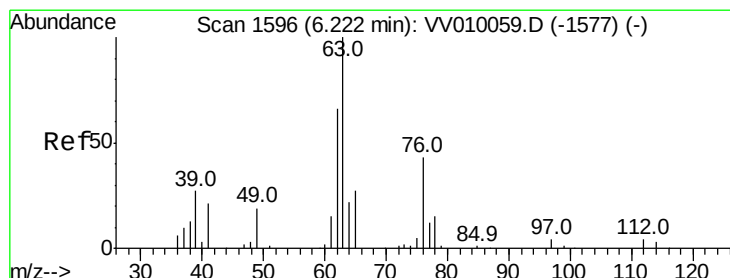
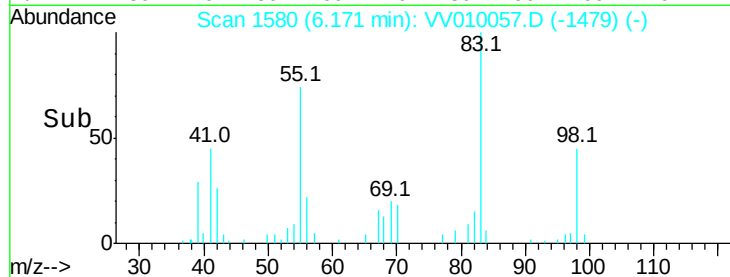
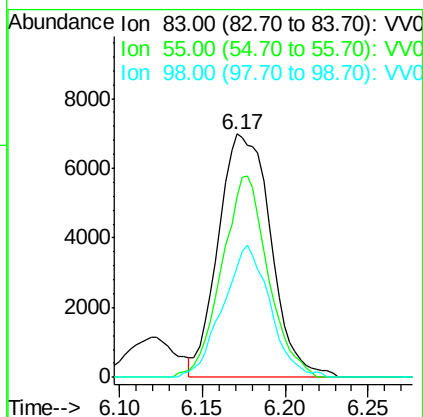
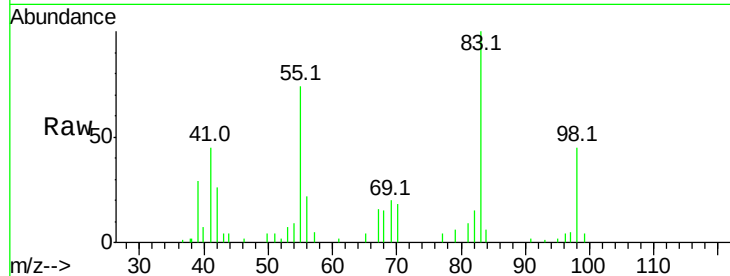




#36
Methylcyclohexane
Concen: 2.752 ug/L
RT: 6.17 min Scan# 1580
Delta R.T. -0.01 min
Lab File: VV010057.D
Acq: 02 Apr 2019 12:46

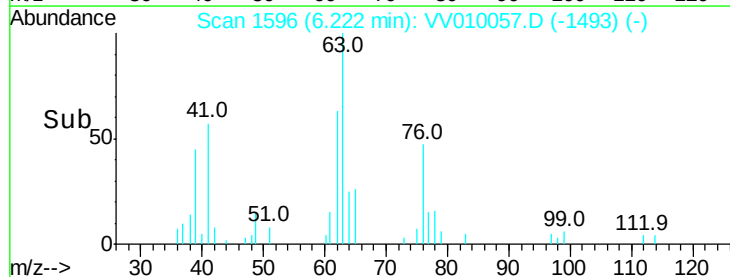
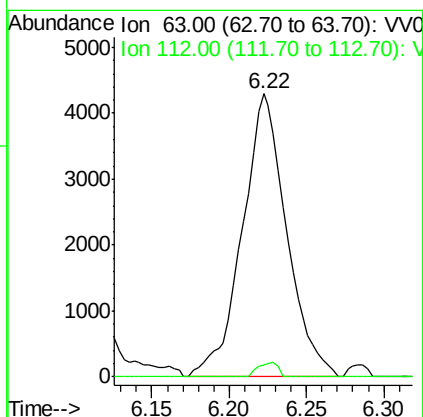
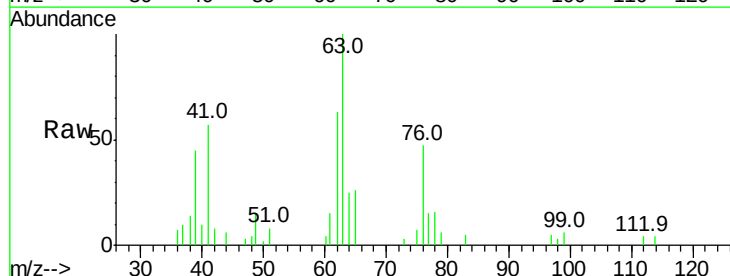
Instrument :
MSVOA_V
ClientSampleId :
VSTD2.561

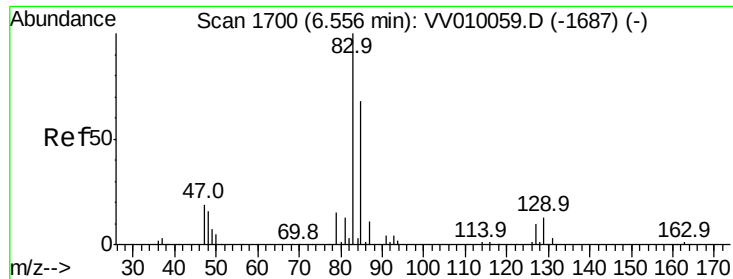
Tgt Ion: 83 Resp: 15362
Ion Ratio Lower Upper
83 100
55 72.8 56.3 84.5
98 48.4 39.0 58.6



#40
1,2-Dichloropropane
Concen: 2.761 ug/L
RT: 6.22 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VV010057.D
Acq: 02 Apr 2019 12:46

Tgt Ion: 63 Resp: 8570
Ion Ratio Lower Upper
63 100
112 2.4 3.6 5.4#





#41

Bromodichloromethane

Concen: 2.448 ug/L

RT: 6.56 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VV010057.D

Acq: 02 Apr 2019 12:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.561

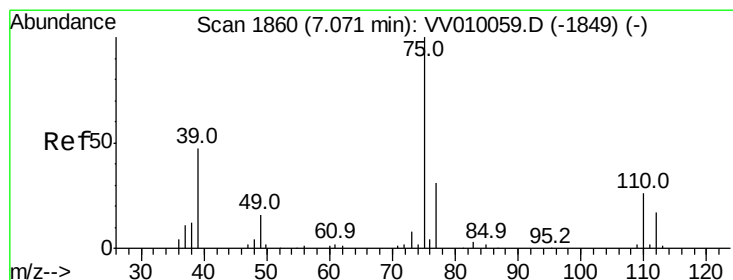
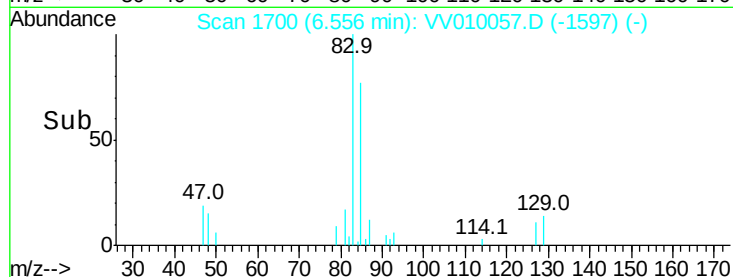
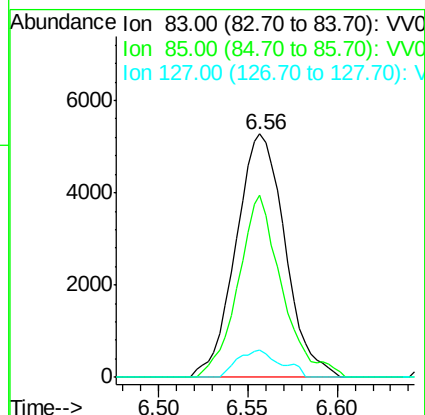
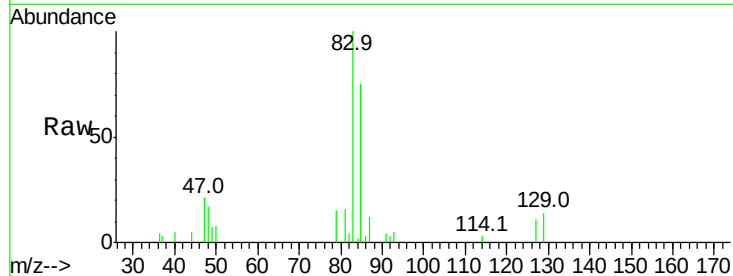
Tgt Ion: 83 Resp: 10129

Ion Ratio Lower Upper

83 100

85 74.7 47.5 88.3

127 11.1 7.7 11.5



#42

cis-1,3-Dichloropropene

Concen: 2.037 ug/L

RT: 7.07 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VV010057.D

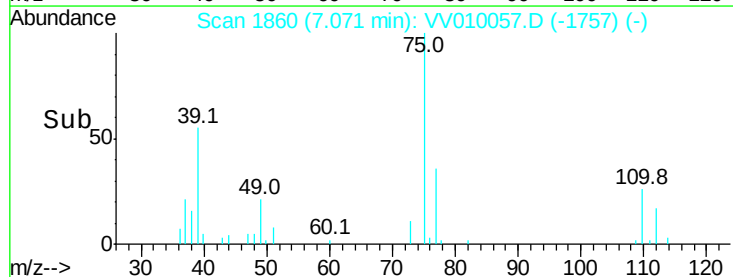
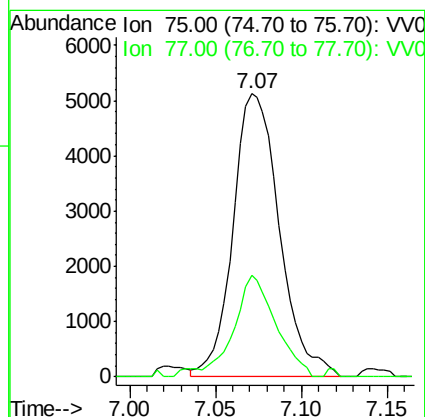
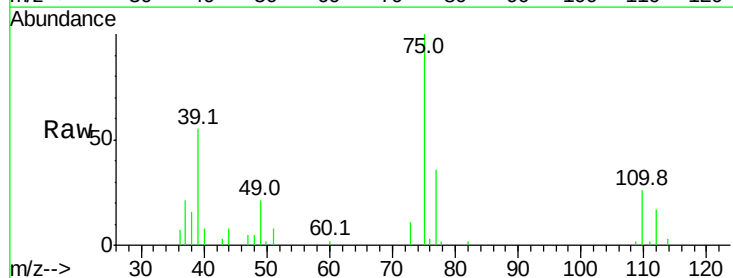
Acq: 02 Apr 2019 12:46

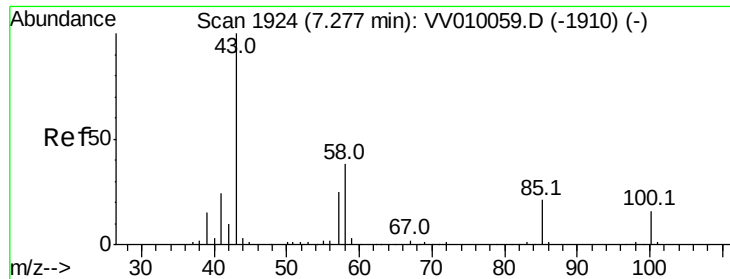
Tgt Ion: 75 Resp: 9675

Ion Ratio Lower Upper

75 100

77 36.1 22.1 41.1

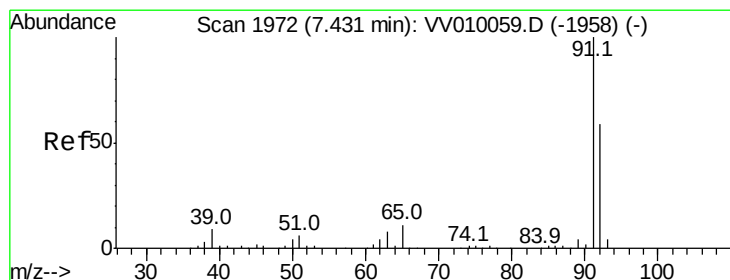
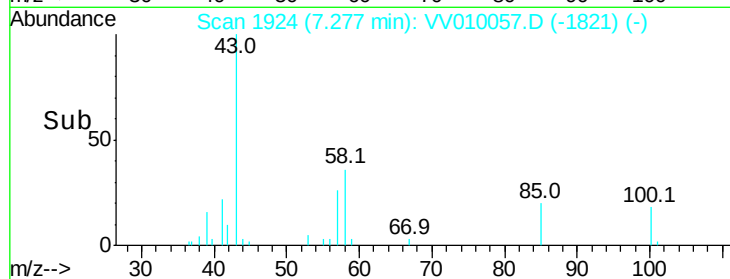
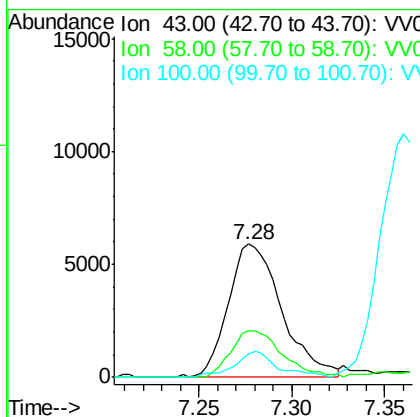
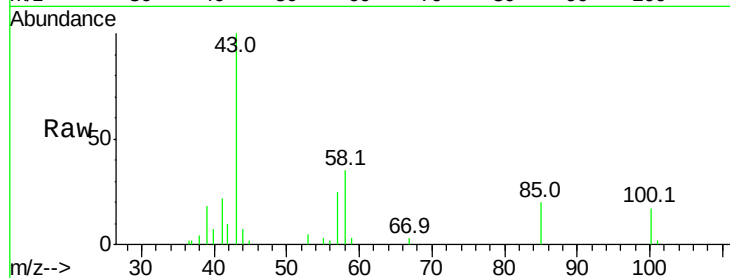




#43
4-Methyl-2-pentanone
Concen: 5.003 ug/L
RT: 7.28 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VV010057.D
Acq: 02 Apr 2019 12:46

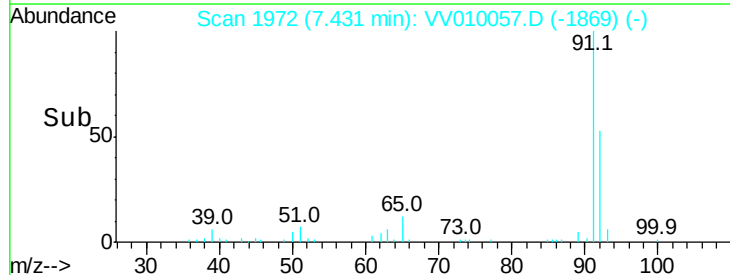
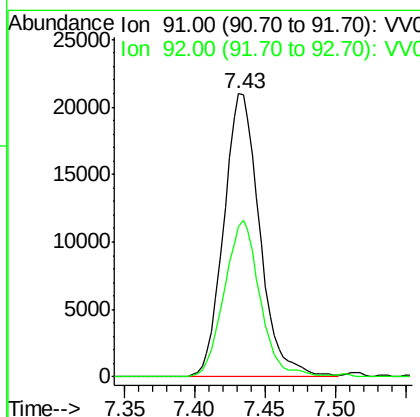
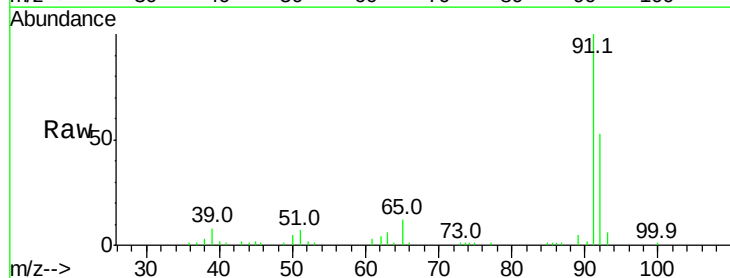
Instrument :
MSVOA_V
ClientSampleId :
VSTD2.561

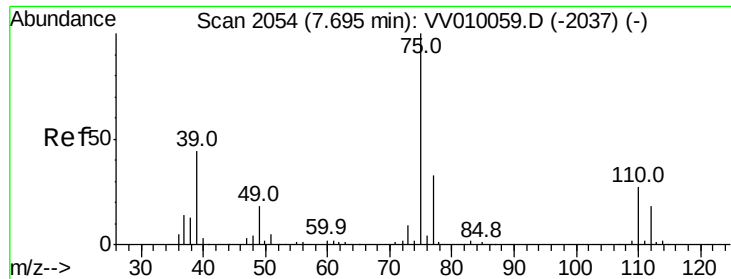
Tgt Ion: 43 Resp: 11870
Ion Ratio Lower Upper
43 100
58 33.6 31.5 47.3
100 14.8 13.4 20.0



#44
Toluene
Concen: 2.599 ug/L
RT: 7.43 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VV010057.D
Acq: 02 Apr 2019 12:46

Tgt Ion: 91 Resp: 37375
Ion Ratio Lower Upper
91 100
92 53.1 41.0 76.2





#45

trans-1,3-Dichloropropene

Concen: 2.161 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV010057.D

Acq: 02 Apr 2019 12:46

Instrument :

MSVOA_V

ClientSampleId :

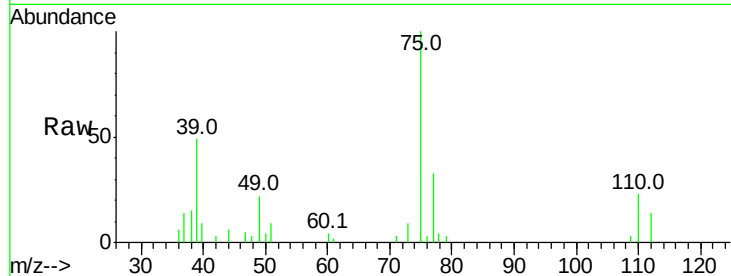
VSTD2.561

Tgt Ion: 75 Resp: 8533

Ion Ratio Lower Upper

75 100

77 32.9 23.5 43.7



Abundance Ion 75.00 (74.70 to 75.70): VV010059.D (-2037) (-)

Ion 77.00 (76.70 to 77.70): VV010059.D (-2037) (-)

7.70

5000

4000

3000

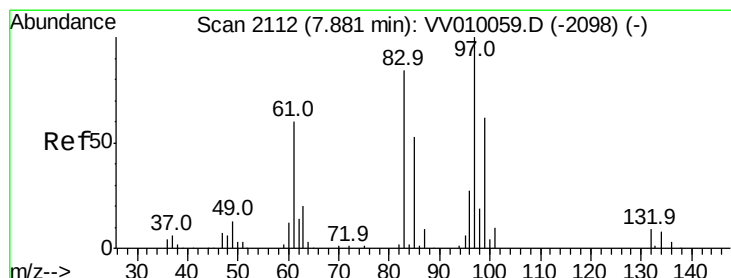
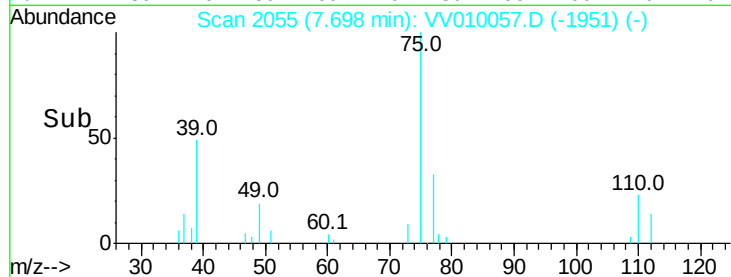
2000

1000

0

7.65 7.70 7.75

Time-->



#46

1,1,2-Trichloroethane

Concen: 2.469 ug/L

RT: 7.89 min Scan# 2114

Delta R.T. 0.01 min

Lab File: VV010057.D

Acq: 02 Apr 2019 12:46

Tgt Ion: 97 Resp: 6943

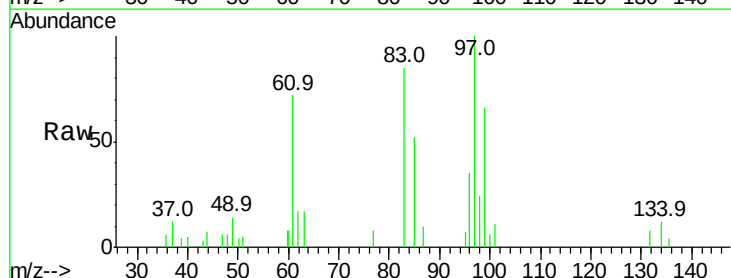
Ion Ratio Lower Upper

97 100

83 85.5 58.5 108.7

85 52.4 37.2 69.2

99 66.0 43.3 80.3



Abundance Ion 97.00 (96.70 to 97.70): VV010059.D (-2098) (-)

Ion 83.00 (82.70 to 83.70): VV010059.D (-2098) (-)

Ion 85.00 (84.70 to 85.70): VV010059.D (-2098) (-)

Ion 99.00 (98.70 to 99.70): VV010059.D (-2098) (-)

7.89

5000

4000

3000

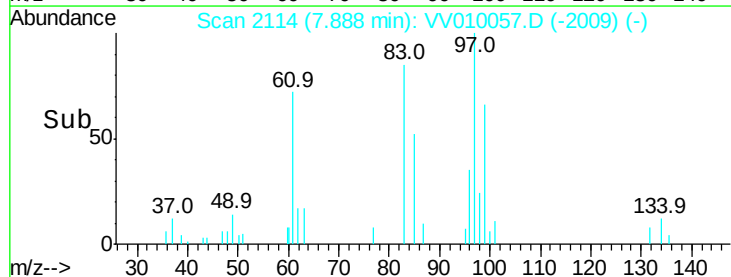
2000

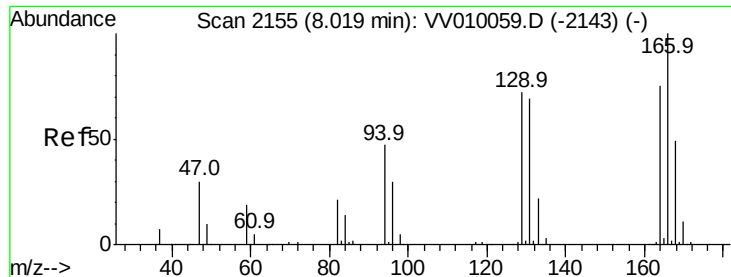
1000

0

7.85 7.90

Time-->





#47

Tetrachloroethene

Concen: 2.806 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV010057.D

Acq: 02 Apr 2019 12:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.561

Tgt Ion:164 Resp: 8643

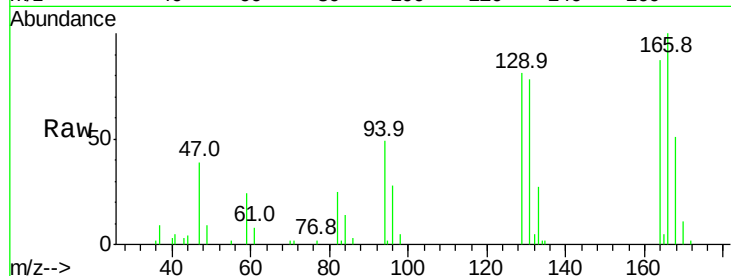
Ion Ratio Lower Upper

164 100

129 93.5 67.8 125.8

131 90.2 65.2 121.0

166 115.6 93.8 174.2

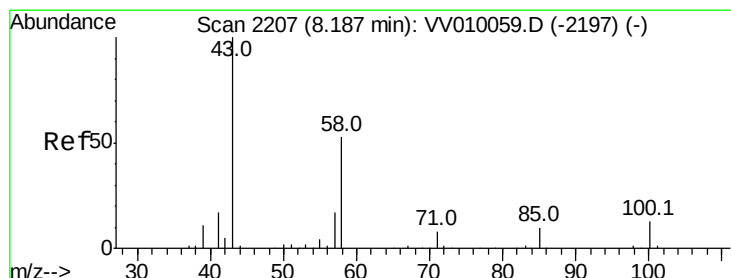
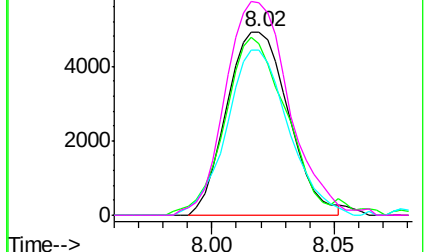
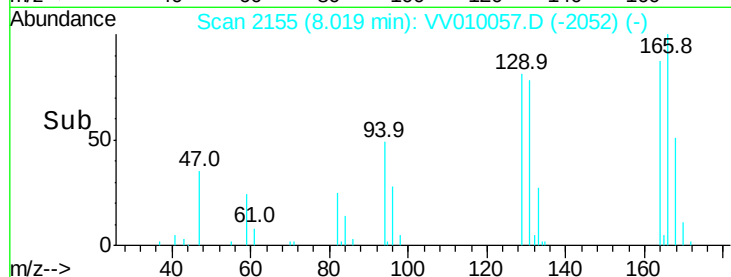


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#49

2-Hexanone

Concen: 4.555 ug/L

RT: 8.19 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VV010057.D

Acq: 02 Apr 2019 12:46

Tgt Ion: 43 Resp: 7166

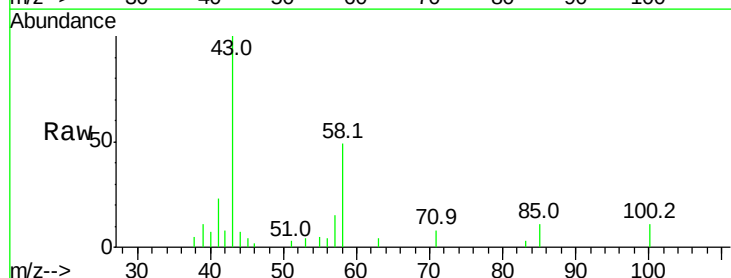
Ion Ratio Lower Upper

43 100

58 51.9 44.3 66.5

57 4.1 13.8 20.8#

100 8.1 10.6 15.8#

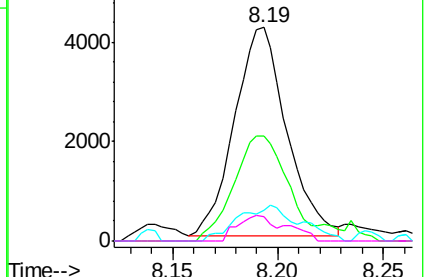
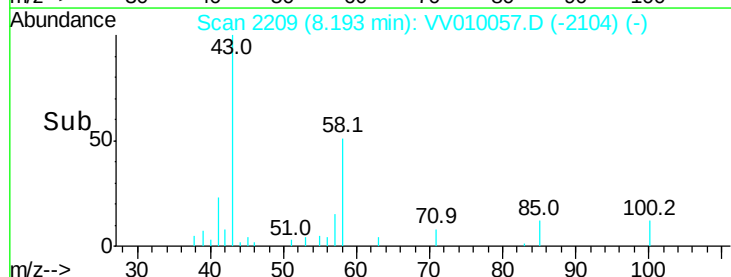


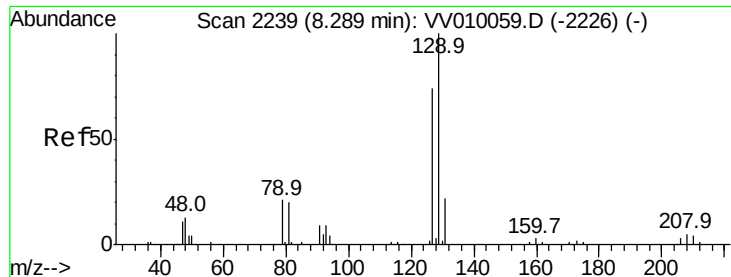
Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0

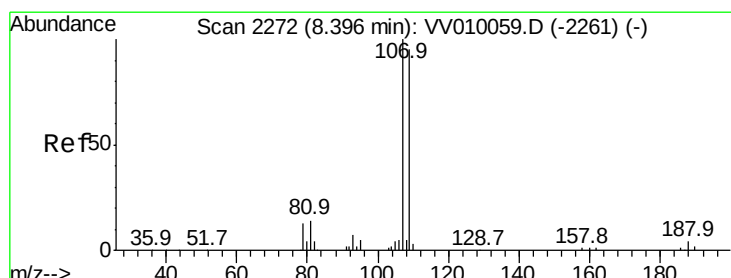
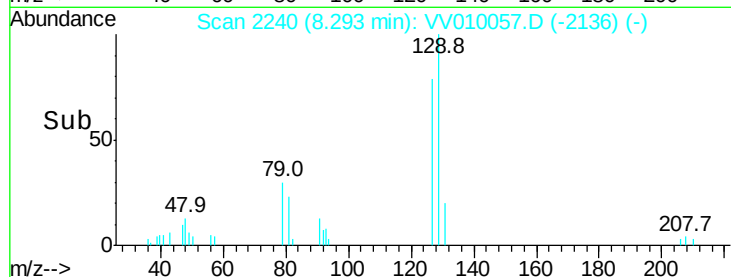
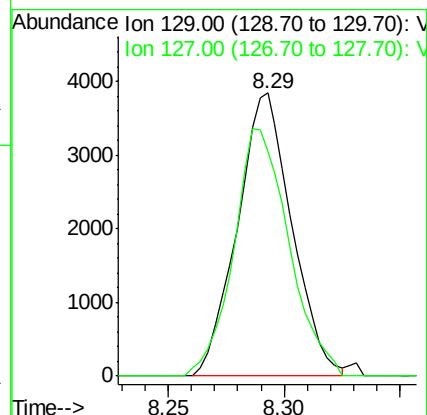
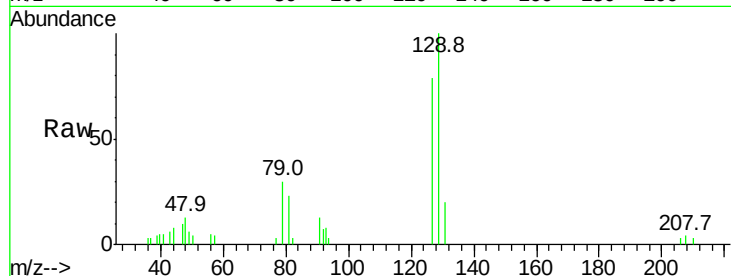




#50
 Dibromochloromethane
 Concen: 1.929 ug/L
 RT: 8.29 min Scan# 2240
 Delta R.T. 0.00 min
 Lab File: VV010057.D
 Acq: 02 Apr 2019 12:46

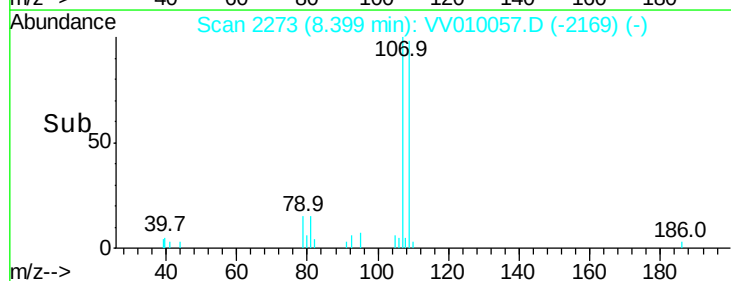
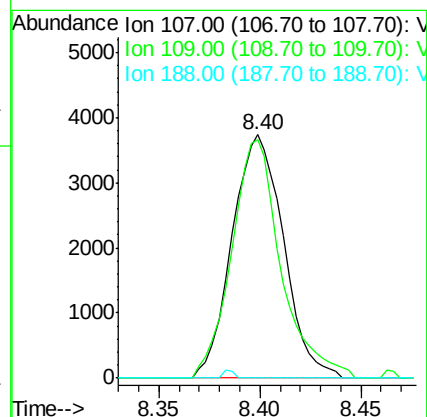
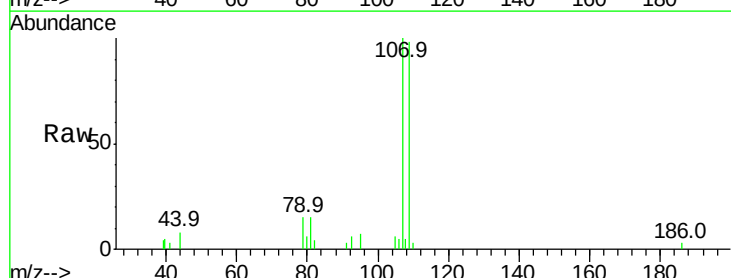
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.561

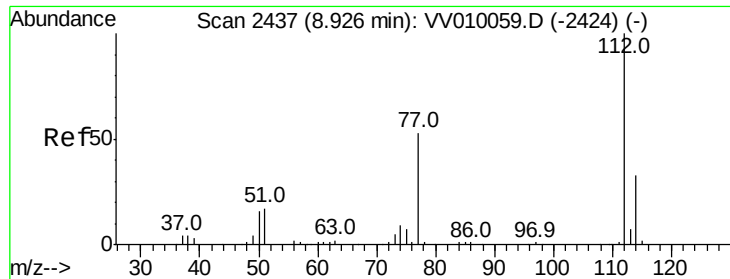
Tgt Ion:129 Resp: 6272
 Ion Ratio Lower Upper
 129 100
 127 79.3 52.1 96.7



#51
 1,2-Dibromoethane
 Concen: 2.365 ug/L
 RT: 8.40 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VV010057.D
 Acq: 02 Apr 2019 12:46

Tgt Ion:107 Resp: 6668
 Ion Ratio Lower Upper
 107 100
 109 98.1 66.5 123.5
 188 0.0 3.3 4.9#





#52

Chlorobenzene

Concen: 2.565 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VV010057.D

Acq: 02 Apr 2019 12:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.561

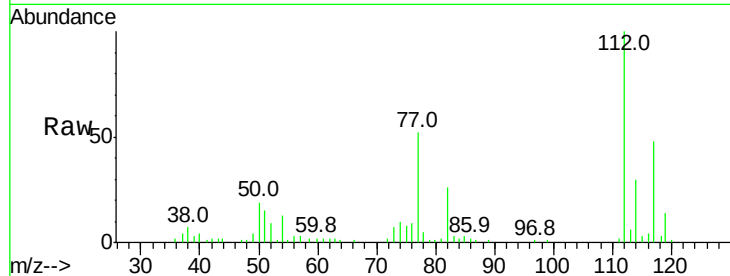
Tgt Ion: 112 Resp: 25398

Ion Ratio Lower Upper

112 100

77 52.1 42.9 64.3

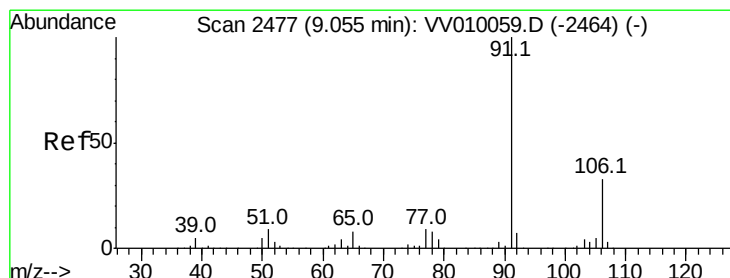
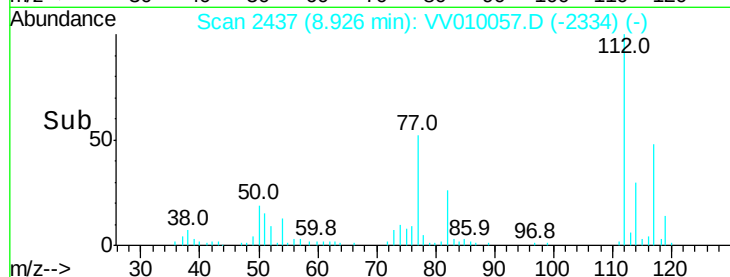
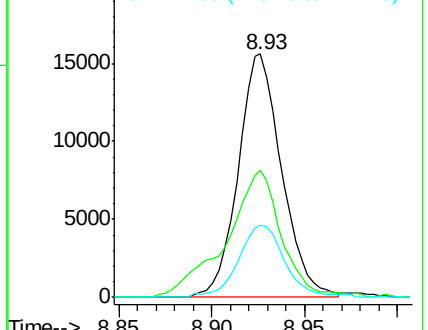
114 29.9 23.4 43.4



Abundance Ion 112.00 (111.70 to 112.70): VV010059.D (-2424) (-)

Ion 77.00 (76.70 to 77.70): VV010059.D (-2424) (-)

Ion 114.00 (113.70 to 114.70): VV010059.D (-2424) (-)



#53

Ethylbenzene

Concen: 2.454 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV010057.D

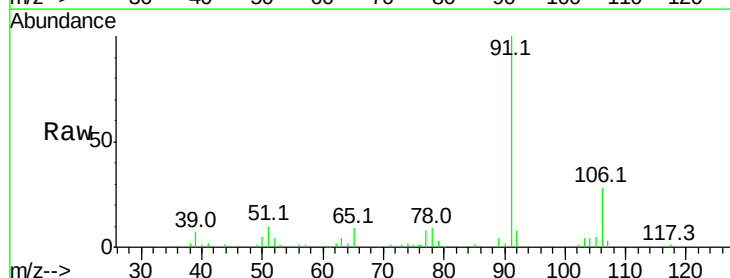
Acq: 02 Apr 2019 12:46

Tgt Ion: 91 Resp: 38985

Ion Ratio Lower Upper

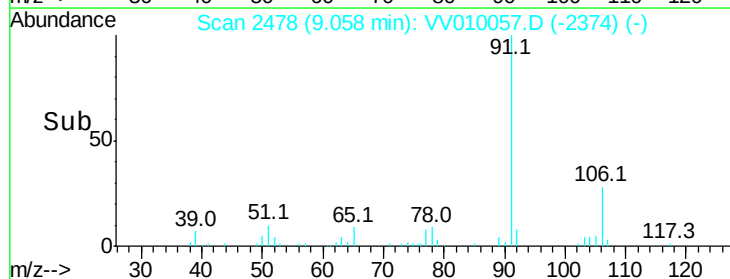
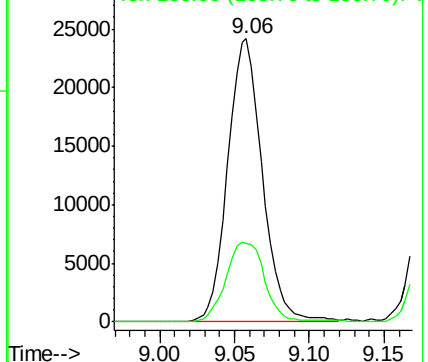
91 100

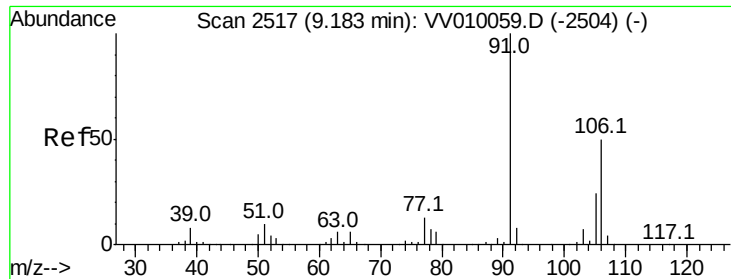
106 27.9 23.1 42.9



Abundance Ion 91.00 (90.70 to 91.70): VV010059.D (-2464) (-)

Ion 106.00 (105.70 to 106.70): VV010059.D (-2464) (-)





#54

m,p-Xylene

Concen: 2.269 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV010057.D

Acq: 02 Apr 2019 12:46

Instrument :

MSVOA_V

ClientSampleId :

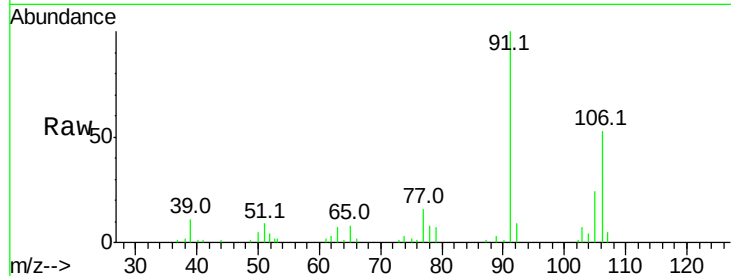
VSTD2.561

Tgt Ion:106 Resp: 14455

Ion Ratio Lower Upper

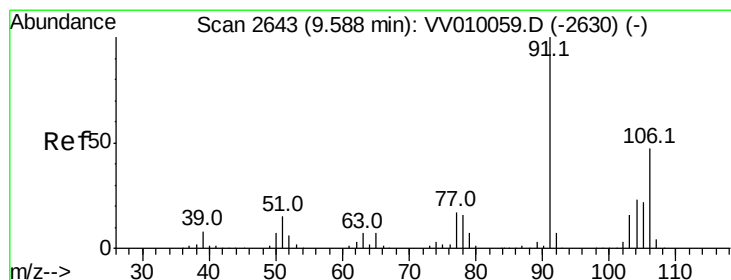
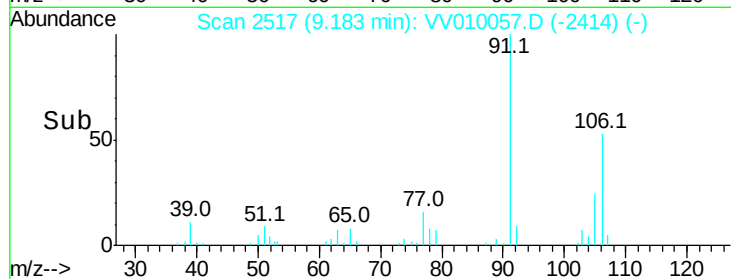
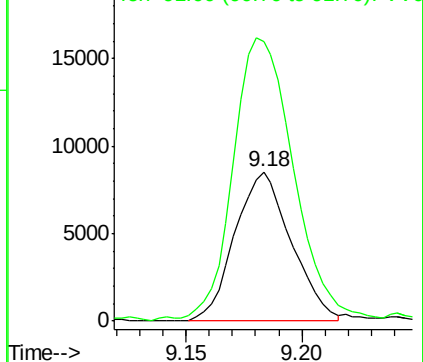
106 100

91 187.1 139.3 258.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

o-xylene

Concen: 2.293 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV010057.D

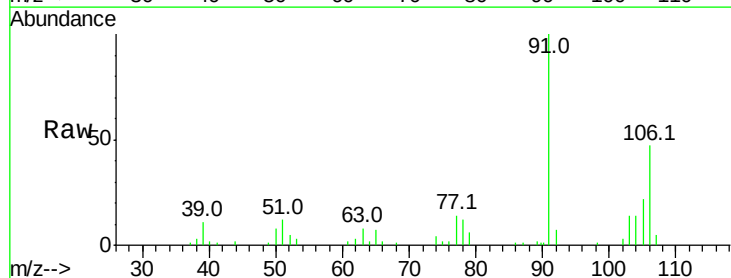
Acq: 02 Apr 2019 12:46

Tgt Ion:106 Resp: 13816

Ion Ratio Lower Upper

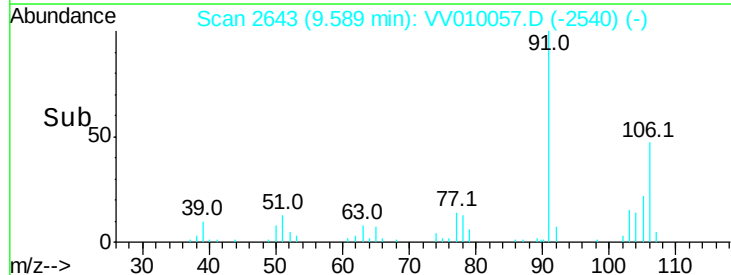
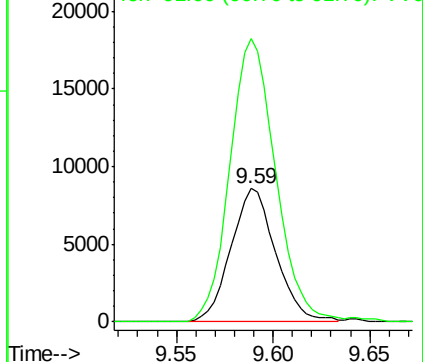
106 100

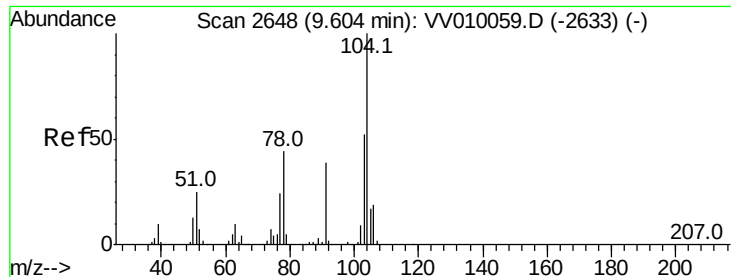
91 212.1 150.4 279.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#56

Styrene

Concen: 2.054 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. 0.00 min

Lab File: VV010057.D

Acq: 02 Apr 2019 12:46

Instrument :

MSVOA_V

ClientSampleId :

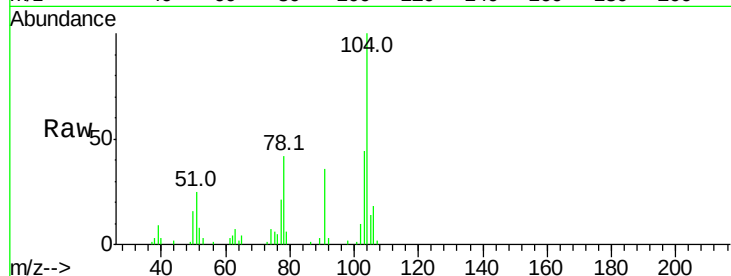
VSTD2.561

Tgt Ion:104 Resp: 20710

Ion Ratio Lower Upper

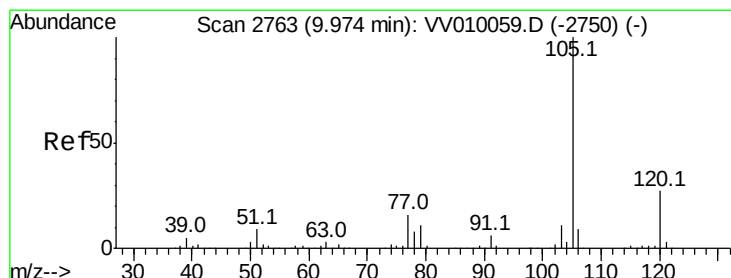
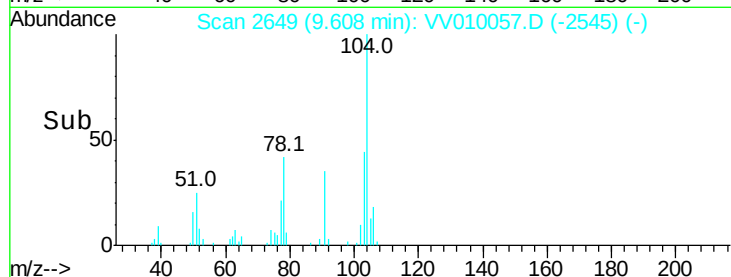
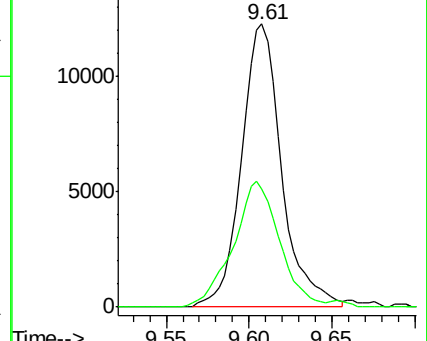
104 100

78 41.8 30.5 56.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0



#57

Isopropylbenzene

Concen: 2.254 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV010057.D

Acq: 02 Apr 2019 12:46

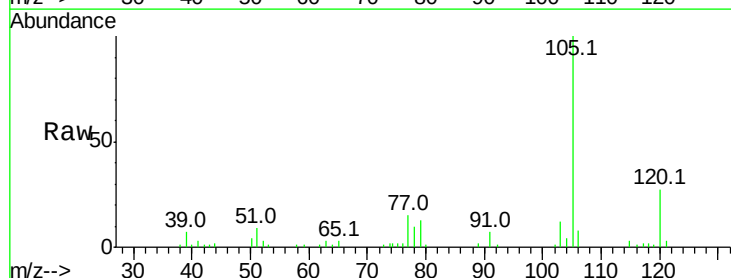
Tgt Ion:105 Resp: 36189

Ion Ratio Lower Upper

105 100

120 27.6 21.5 32.3

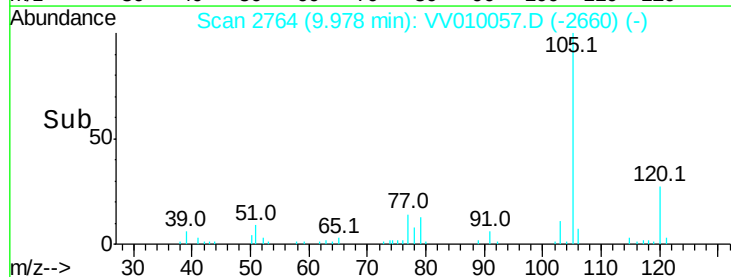
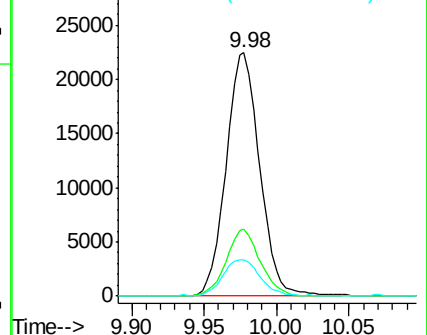
77 16.7 12.4 18.6

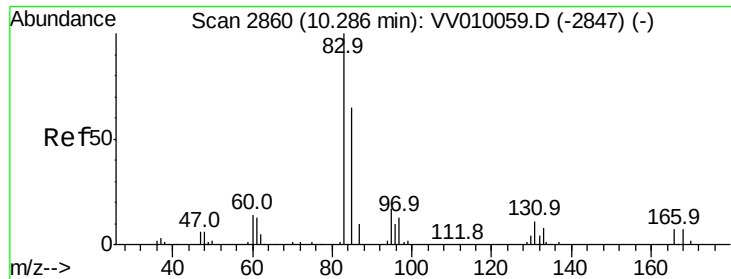


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VV0

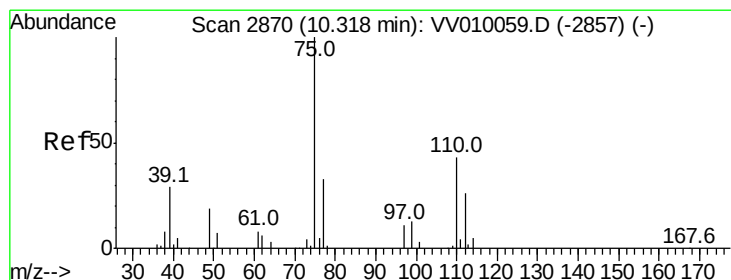
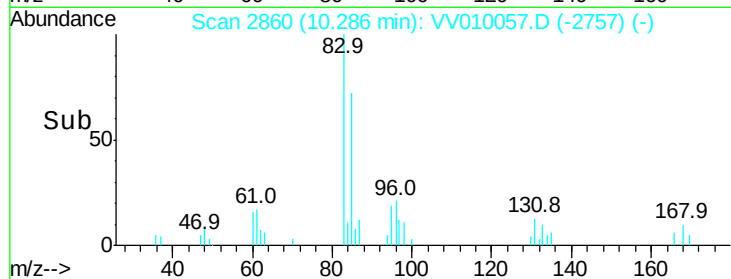
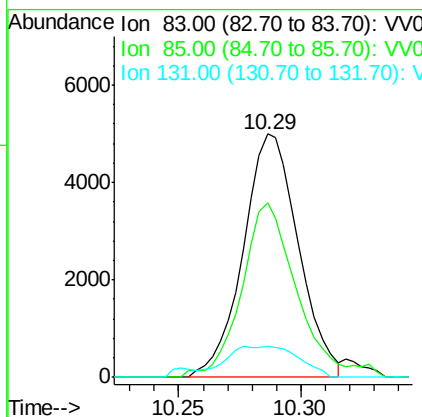
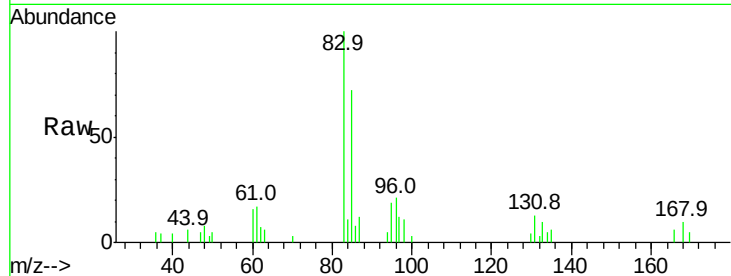




#58
 1,1,2,2-Tetrachloroethane
 Concen: 2.154 ug/L
 RT: 10.29 min Scan# 2860
 Delta R.T. 0.00 min
 Lab File: VV010057.D
 Acq: 02 Apr 2019 12:46

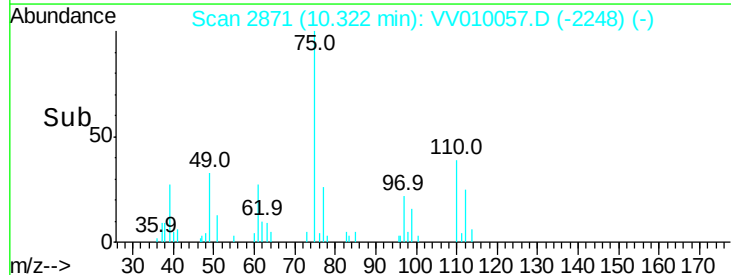
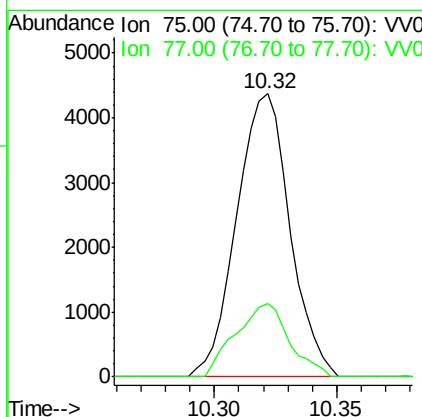
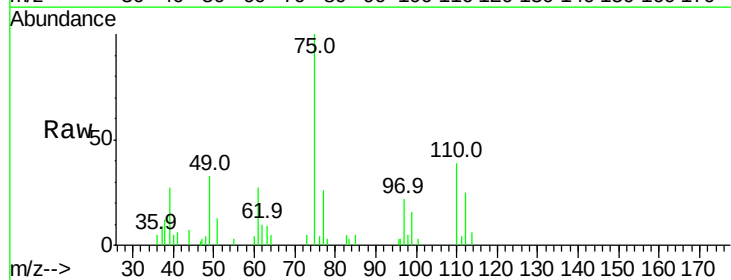
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.561

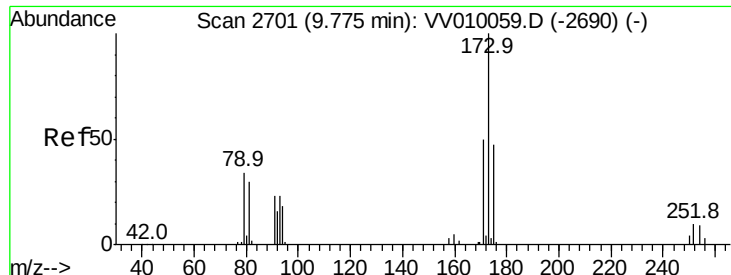
Tgt Ion: 83 Resp: 7837
 Ion Ratio Lower Upper
 83 100
 85 71.8 46.1 85.7
 131 12.6 9.0 13.4



#59
 1,2,3-Trichloropropane
 Concen: 2.480 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VV010057.D
 Acq: 02 Apr 2019 12:46

Tgt Ion: 75 Resp: 6619
 Ion Ratio Lower Upper
 75 100
 77 26.2 25.8 38.8





#62

Bromoform

Concen: 2.338 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VV010057.D

Acq: 02 Apr 2019 12:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.561

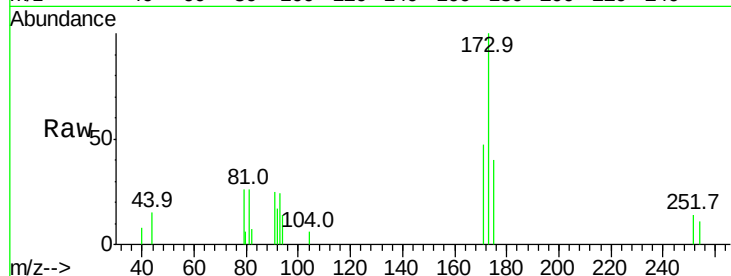
Tgt Ion:173 Resp: 3870

Ion Ratio Lower Upper

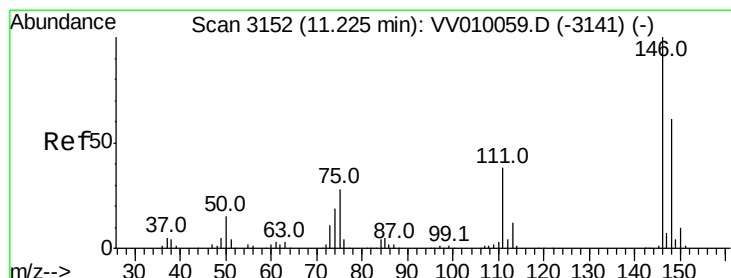
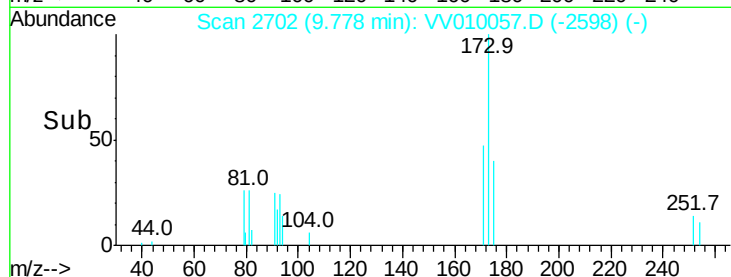
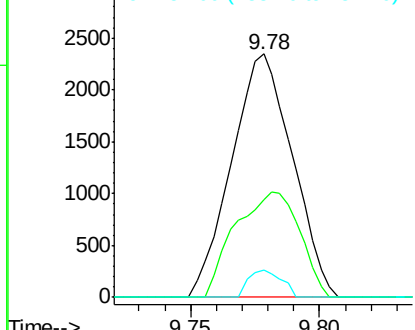
173 100

175 45.8 38.7 58.1

254 6.1 6.7 10.1#



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#63

1,3-Dichlorobenzene

Concen: 2.629 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. 0.00 min

Lab File: VV010057.D

Acq: 02 Apr 2019 12:46

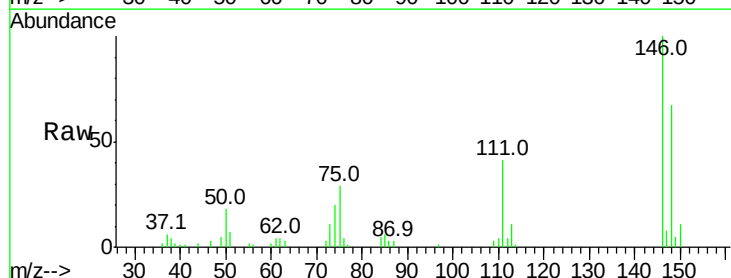
Tgt Ion:146 Resp: 18790

Ion Ratio Lower Upper

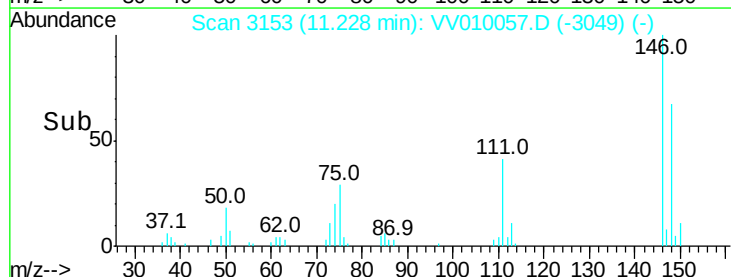
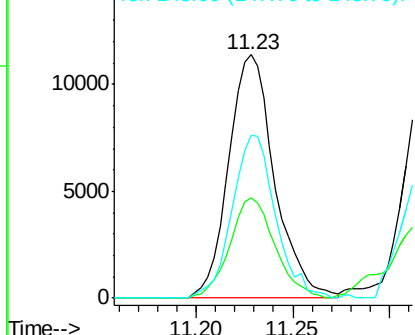
146 100

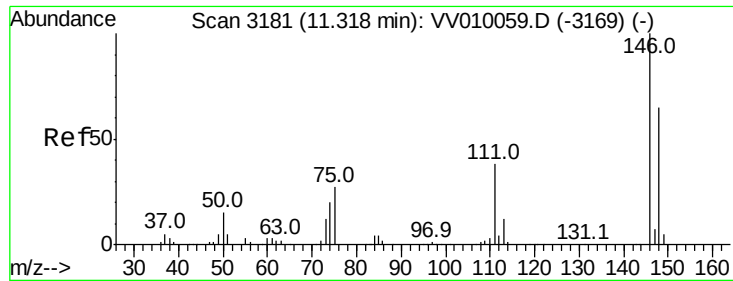
111 41.3 26.8 49.8

148 67.2 42.7 79.3



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





#64

1,4-Dichlorobenzene

Concen: 2.496 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. 0.00 min

Lab File: VV010057.D

Acq: 02 Apr 2019 12:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.561

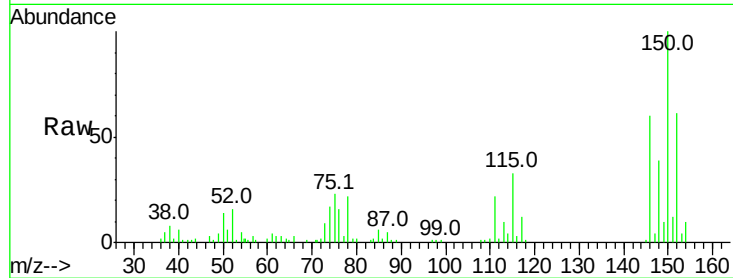
Tgt Ion:146 Resp: 18756

Ion Ratio Lower Upper

146 100

111 37.4 26.9 50.1

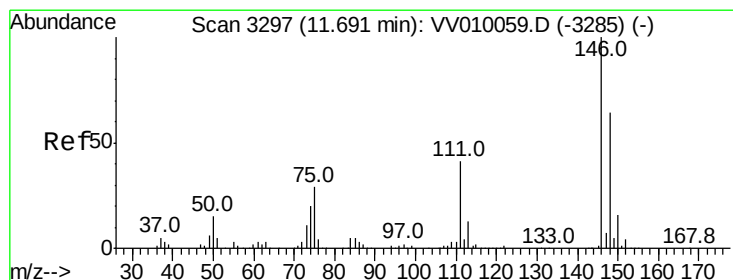
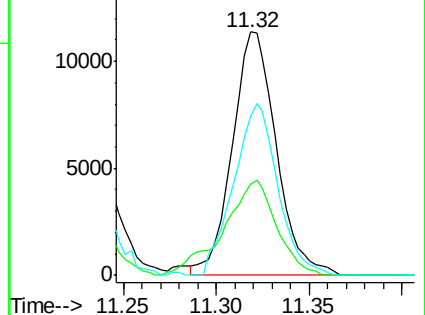
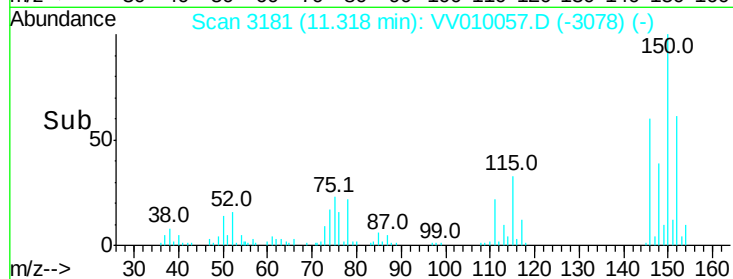
148 65.4 45.6 84.6



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



#65

1,2-Dichlorobenzene

Concen: 2.416 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV010057.D

Acq: 02 Apr 2019 12:46

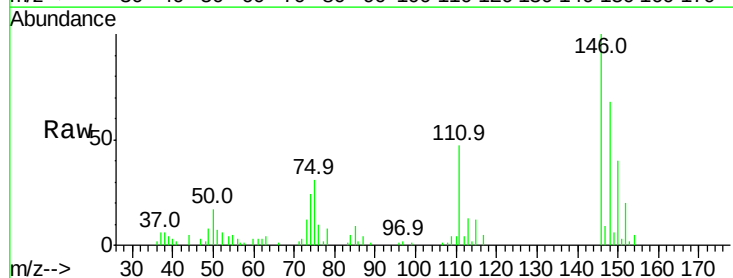
Tgt Ion:146 Resp: 17041

Ion Ratio Lower Upper

146 100

111 47.3 33.2 49.8

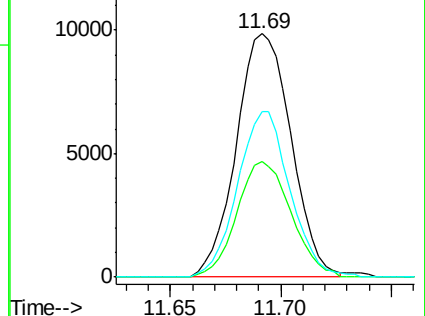
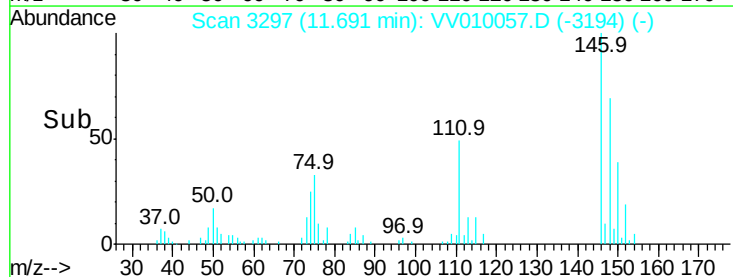
148 67.8 51.4 77.0

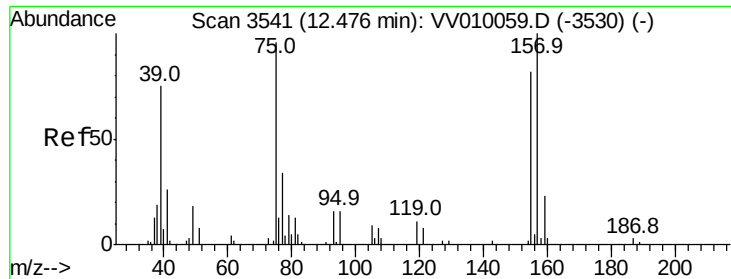


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

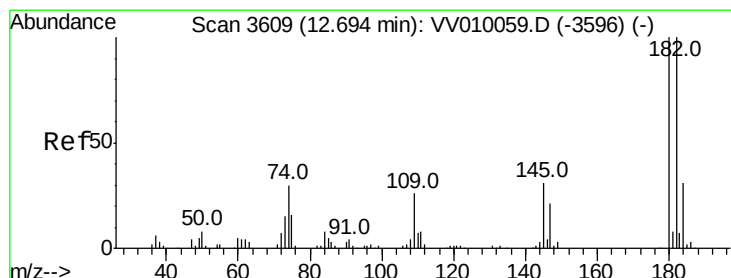
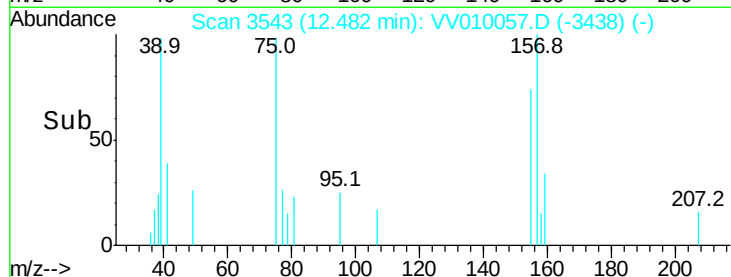
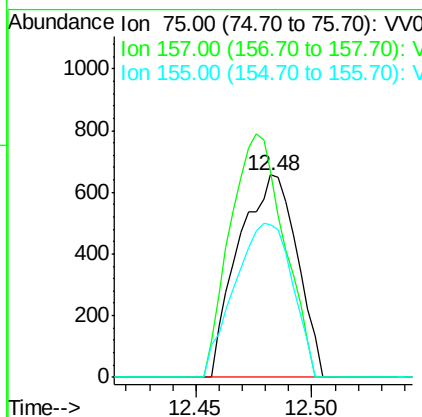
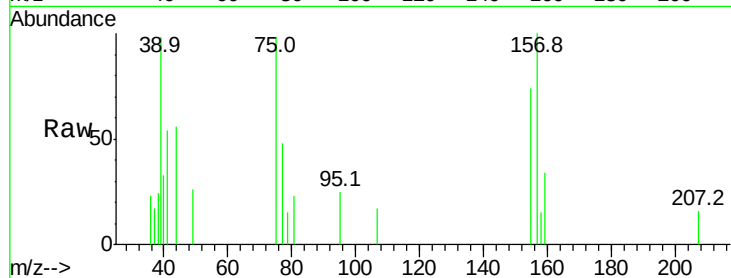




#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.529 ug/L
 RT: 12.48 min Scan# 3543
 Delta R.T. 0.01 min
 Lab File: VV010057.D
 Acq: 02 Apr 2019 12:46

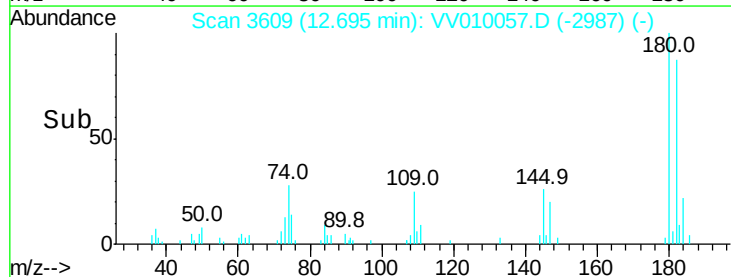
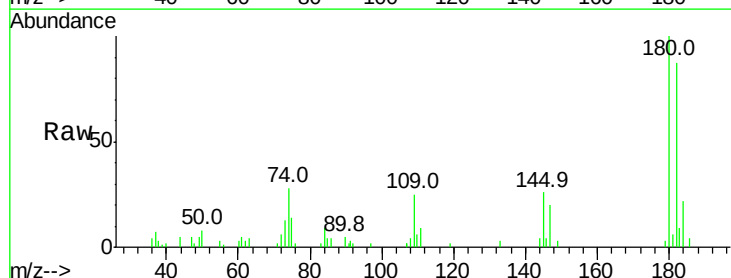
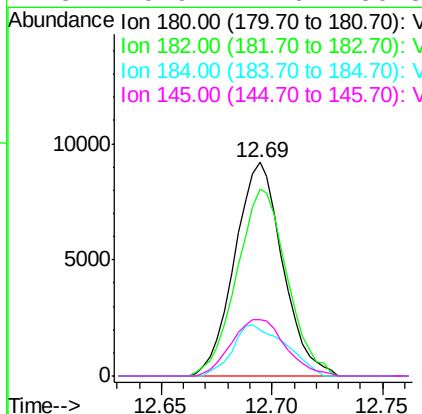
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.561

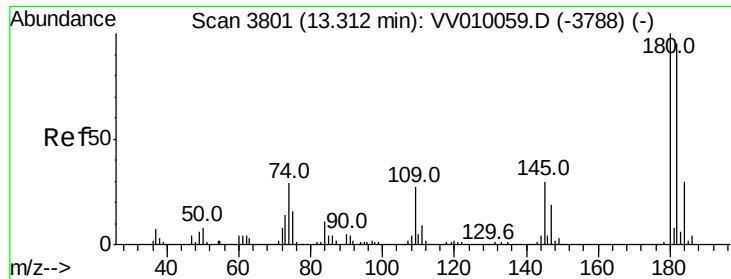
Tgt Ion: 75 Resp: 1150
 Ion Ratio Lower Upper
 75 100
 157 102.1 83.0 124.6
 155 75.6 68.1 102.1



#67
 1,3,5-Trichlorobenzene
 Concen: 2.639 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV010057.D
 Acq: 02 Apr 2019 12:46

Tgt Ion: 180 Resp: 13907
 Ion Ratio Lower Upper
 180 100
 182 91.1 77.2 115.8
 184 26.4 23.8 35.6
 145 29.9 24.6 36.8

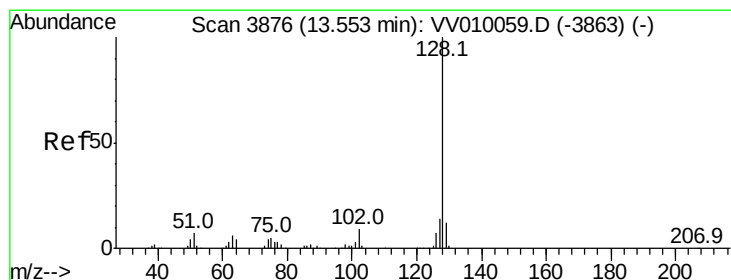
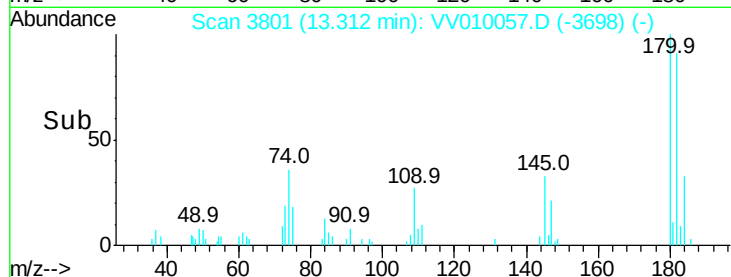
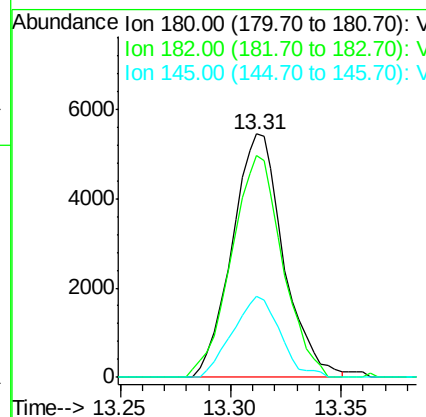
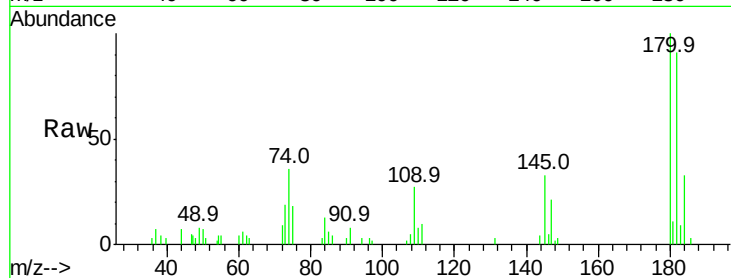




#68
 1,2,4-trichlorobenzene
 Concen: 2.292 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV010057.D
 Acq: 02 Apr 2019 12:46

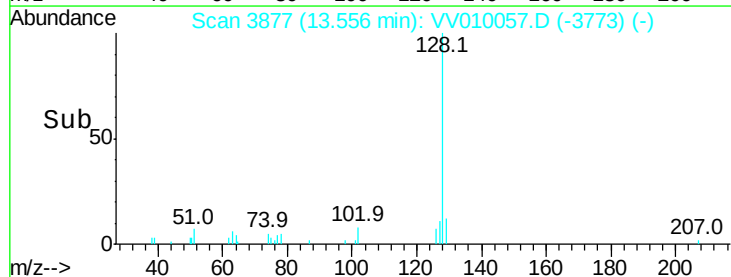
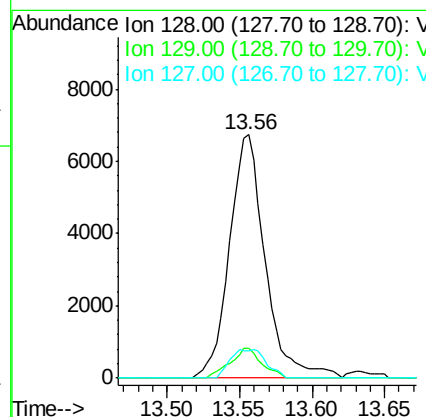
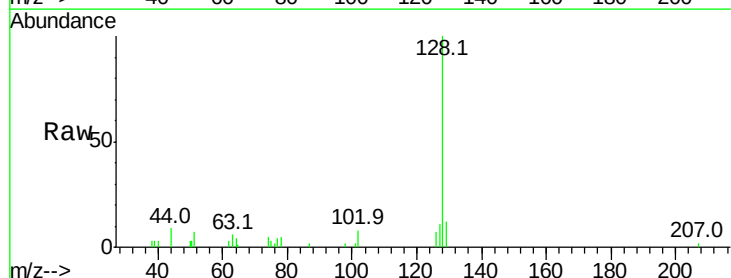
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.561

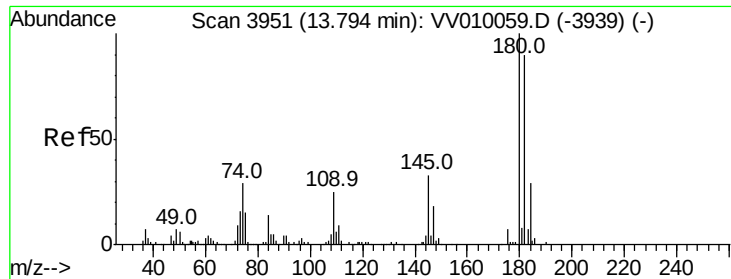
Tgt Ion:180 Resp: 8810
 Ion Ratio Lower Upper
 180 100
 182 90.5 75.7 113.5
 145 30.3 24.6 37.0



#69
 Naphthalene
 Concen: 1.905 ug/L
 RT: 13.56 min Scan# 3877
 Delta R.T. 0.00 min
 Lab File: VV010057.D
 Acq: 02 Apr 2019 12:46

Tgt Ion:128 Resp: 11510
 Ion Ratio Lower Upper
 128 100
 129 10.9 9.0 13.4
 127 6.5 11.0 16.4#

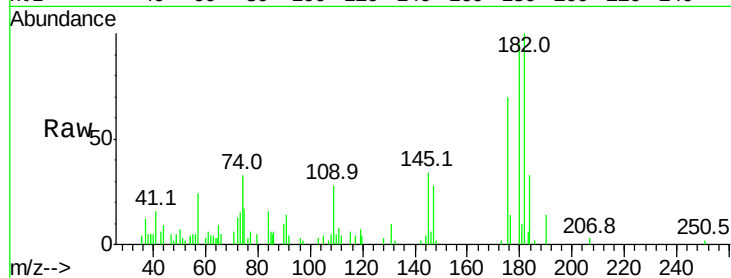




#70
 1,2,3-Trichlorobenzene
 Concen: 2.193 ug/L
 RT: 13.79 min Scan# 3951
 Delta R.T. 0.00 min
 Lab File: VV010057.D
 Acq: 02 Apr 2019 12:46

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.561

Tgt Ion:180 Resp: 7898
 Ion Ratio Lower Upper
 180 100
 182 95.4 74.1 111.1
 145 33.7 25.8 38.8



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

