

Data File : VV010053.D
Acq On : 01 Apr 2019 17:45
Operator : SY/MD
Sample : VSTD2.581
Misc : 5.00G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.566

Quant Time: Apr 01 20:55:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040119S.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 01 19:08:16 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	230953	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	228900	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	105883	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	8592	2.71	ug/L	0.00
7) Chloroethane-d5	1.57	69	7643	2.74	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	21211	2.67	ug/L	0.00
20) 2-Butanone-d5	3.95	46	4218	4.90	ug/L	0.01
24) Chloroform-d	4.40	84	15516	2.79	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	9054	2.66	ug/L	0.00
29) Benzene-d6	5.10	84	30511	2.59	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	8188	2.43	ug/L	0.00
37) Toluene-d8	7.36	98	29179	2.53	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.67	79	3329	2.30	ug/L	0.00
39) 2-Hexanone-d5	8.14	63	2989	4.48	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	9091	2.62	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.68	152	12072	2.86	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	9878	2.777	ug/L	100
3) Chloromethane	1.25	50	8661	2.787	ug/L	92
5) Vinyl chloride	1.32	62	8968	2.638	ug/L	98
6) Bromomethane	1.51	94	8586	2.834	ug/L	97
8) Chloroethane	1.59	64	5498	2.443	ug/L	89
9) Trichlorofluoromethane	1.77	101	17221	2.461	ug/L	95
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	10107	2.552	ug/L	99
12) 1,1-Dichloroethene	2.14	96	8914	2.611	ug/L	95
13) Acetone	2.19	43	6868	6.744	ug/L	96
14) Carbon disulfide	2.32	76	16461	2.401	ug/L	97
15) Methyl Acetate	2.46	43	4167	2.819	ug/L	100
16) Methylene chloride	2.54	84	14720	3.648	ug/L	91
17) Methyl tert-butyl Ether	2.81	73	17040	2.420	ug/L	97
18) trans-1,2-Dichloroethene	2.79	96	6819	2.400	ug/L	89
19) 1,1-Dichloroethane	3.23	63	12634	2.528	ug/L	96
22) cis-1,2-Dichloroethene	3.96	96	7893	2.479	ug/L	93
23) Bromochloromethane	4.31	128	3961	2.518	ug/L	87
25) Chloroform	4.43	83	13043	2.228	ug/L	99
27) 1,2-Dichloroethane	5.18	62	9177	2.468	ug/L	94
30) Cyclohexane	4.72	56	10304	2.464	ug/L	97
31) 1,1,1-Trichloroethane	4.66	97	11081	2.369	ug/L	99
32) Carbon tetrachloride	4.87	117	9207	2.162	ug/L	91
34) Benzene	5.14	78	28523	2.488	ug/L	100
35) Trichloroethene	5.96	95	8654	2.639	ug/L	91
36) Methylcyclohexane	6.17	83	10651	2.137	ug/L	95
40) 1,2-Dichloropropane	6.12	63	1067	0.380	ug/L	98
41) Bromodichloromethane	6.55	83	8442	2.258	ug/L	97
42) cis-1,3-Dichloropropene	7.07	75	8936	2.082	ug/L	96
43) 4-Methyl-2-pentanone	7.28	43	11278	5.261	ug/L	95
44) Toluene	7.43	91	30023	2.311	ug/L	98

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Quant Title : VOC Analysis
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) trans-1,3-Dichloropropene	7.69	75	7516	2.106	ug/L	97
46) 1,1,2-Trichloroethane	7.88	97	6169	2.428	ug/L	87
47) Tetrachloroethene	8.02	164	6823	2.452	ug/L	95
49) 2-Hexanone	8.19	43	6116	4.302	ug/L	96
50) Dibromochloromethane	8.29	129	6012	2.046	ug/L	96
51) 1,2-Dibromoethane	8.40	107	5946	2.334	ug/L #	93
52) Chlorobenzene	8.92	112	21975	2.457	ug/L	96
53) Ethylbenzene	9.06	91	31780	2.214	ug/L	95
54) m,p-Xylene	9.18	106	12973	2.254	ug/L	98
55) o-xylene	9.59	106	11319	2.079	ug/L	98
56) Styrene	9.60	104	18234	2.001	ug/L	97
57) Isopropylbenzene	9.98	105	30455	2.100	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.29	83	7638	2.324	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	5719	2.371	ug/L	93
62) Bromoform	9.78	173	3355	2.268	ug/L #	98
63) 1,3-Dichlorobenzene	11.23	146	15200	2.380	ug/L	93
64) 1,4-Dichlorobenzene	11.32	146	17220	2.564	ug/L	96
65) 1,2-Dichlorobenzene	11.69	146	15803	2.507	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.48	75	1040	2.559	ug/L #	71
67) 1,3,5-Trichlorobenzene	12.69	180	9428	2.002	ug/L	87
68) 1,2,4-trichlorobenzene	13.31	180	6668	1.941	ug/L	99
69) Naphthalene	13.55	128	8616	1.596	ug/L #	95
70) 1,2,3-Trichlorobenzene	13.80	180	5807	1.804	ug/L #	83

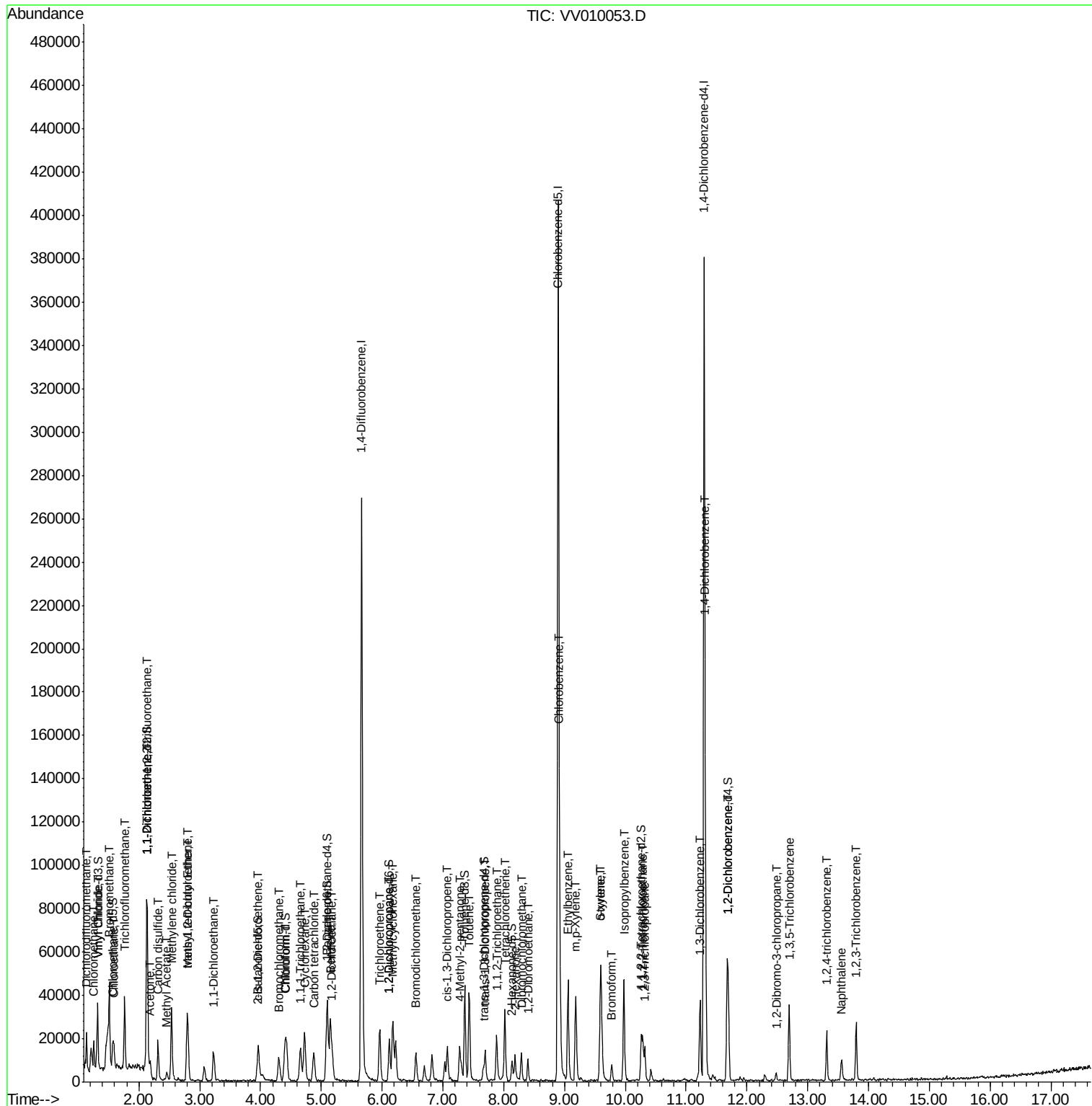
(#) = qualifier out of range (m) = manual integration (+) = signals summed

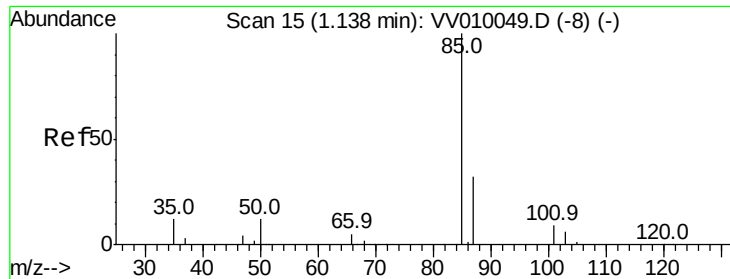
Data File : VV010053.D

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Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOM2VLM040119S.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 01 19:08:16 2019
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#2

Dichlorodifluoromethane

Concen: 2.777 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV010053.D

Acq: 01 Apr 2019 17:45

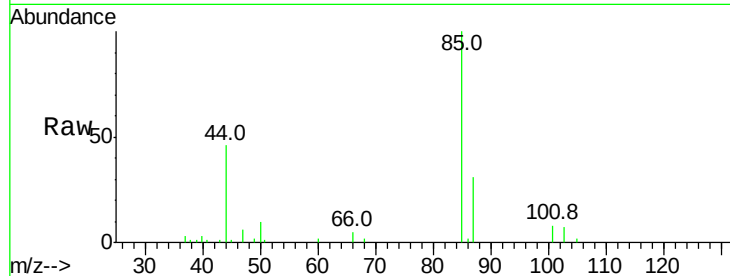
Instrument :
MSVOA_V
ClientSampleId :
VSTD2.566

Tgt Ion: 85 Resp: 9878

Ion Ratio Lower Upper

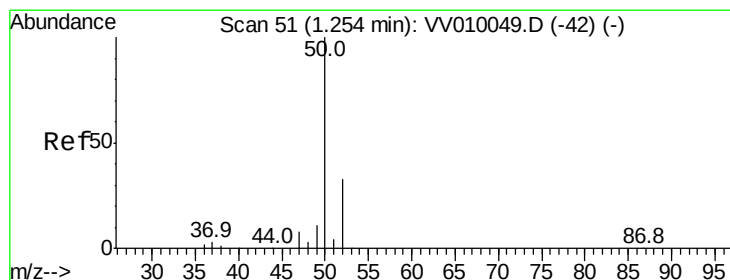
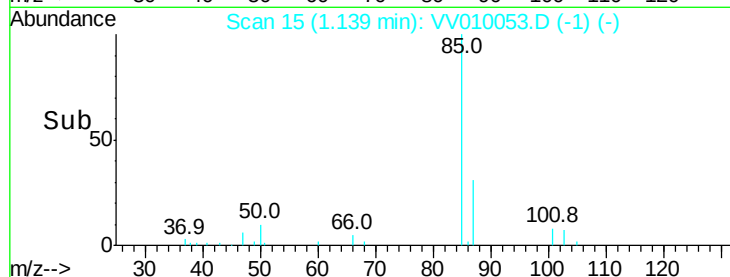
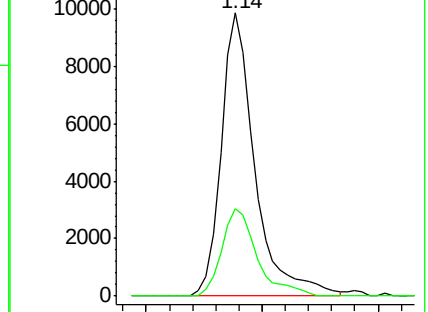
85 100

87 32.5 22.6 42.0



Abundance Ion 85.00 (84.70 to 85.70): VV010049.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV010049.D (-8) (-)



#3

Chloromethane

Concen: 2.787 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV010053.D

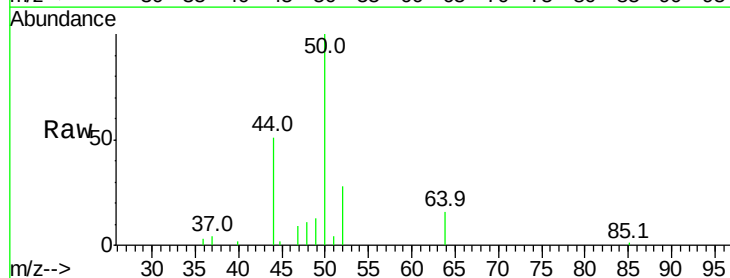
Acq: 01 Apr 2019 17:45

Tgt Ion: 50 Resp: 8661

Ion Ratio Lower Upper

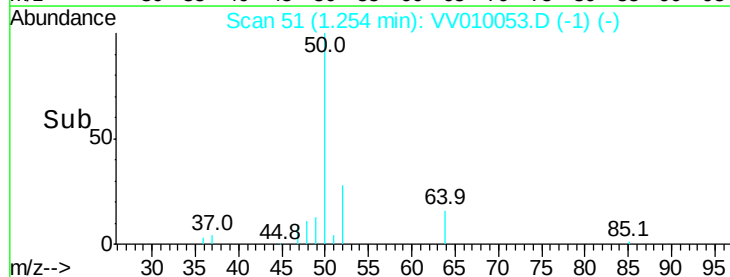
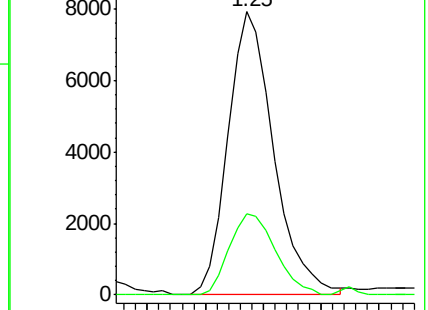
50 100

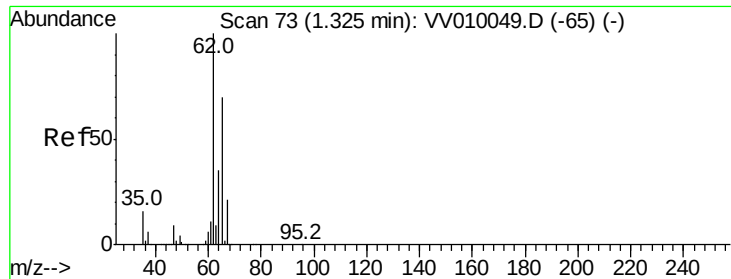
52 28.5 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VV010049.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV010049.D (-42) (-)





#5

Vinyl chloride

Concen: 2.638 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV010053.D

Acq: 01 Apr 2019 17:45

Instrument :

MSVOA_V

ClientSampleId :

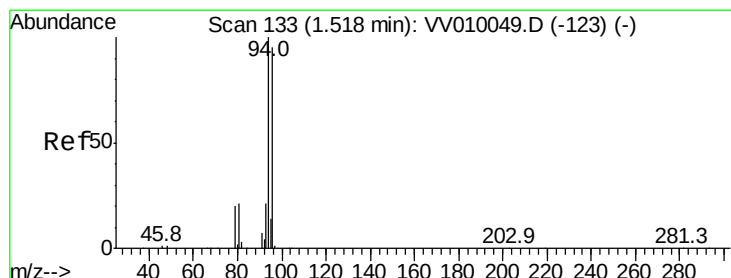
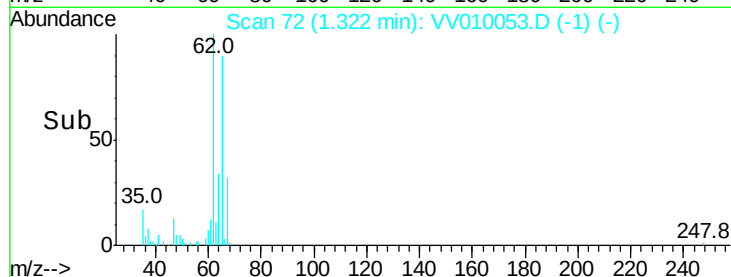
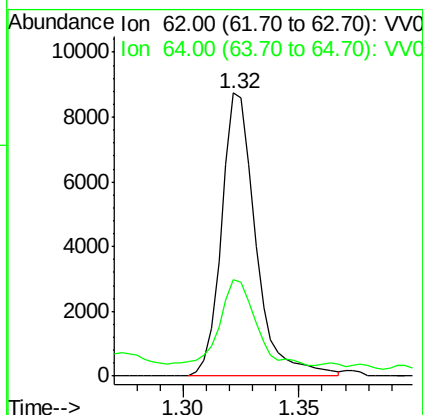
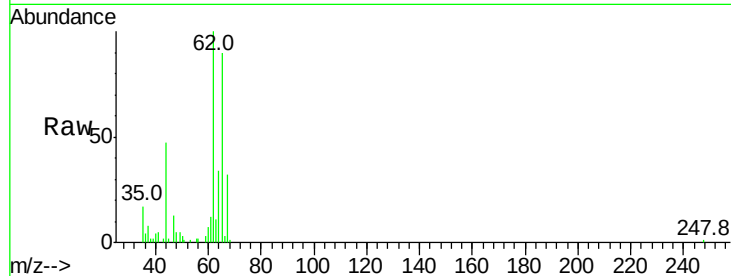
VSTD2.566

Tgt Ion: 62 Resp: 8968

Ion Ratio Lower Upper

62 100

64 34.0 24.8 46.0



#6

Bromomethane

Concen: 2.834 ug/L

RT: 1.51 min Scan# 132

Delta R.T. -0.00 min

Lab File: VV010053.D

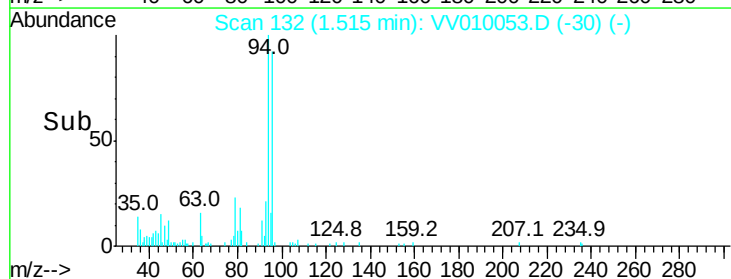
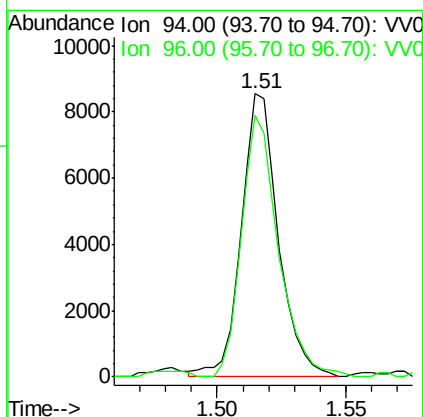
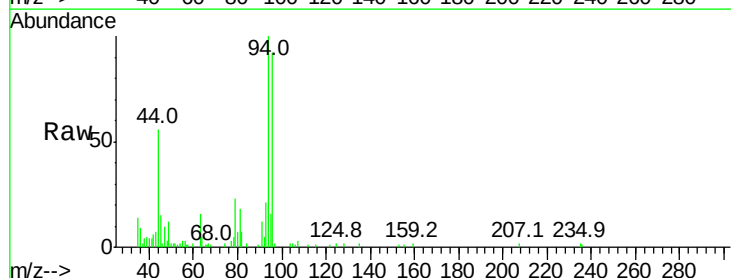
Acq: 01 Apr 2019 17:45

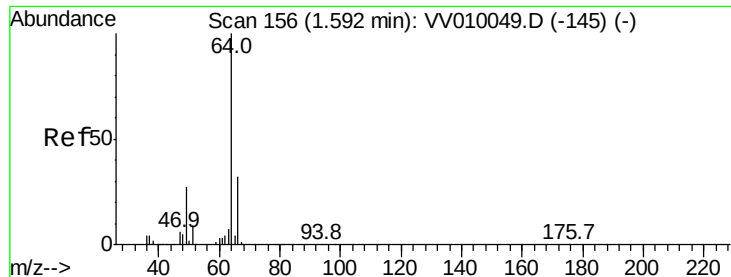
Tgt Ion: 94 Resp: 8586

Ion Ratio Lower Upper

94 100

96 92.0 9.4 179.5





#8

Chloroethane

Concen: 2.443 ug/L

RT: 1.59 min Scan# 155

Delta R.T. -0.00 min

Lab File: VV010053.D

Acq: 01 Apr 2019 17:45

Instrument :

MSVOA_V

ClientSampleId :

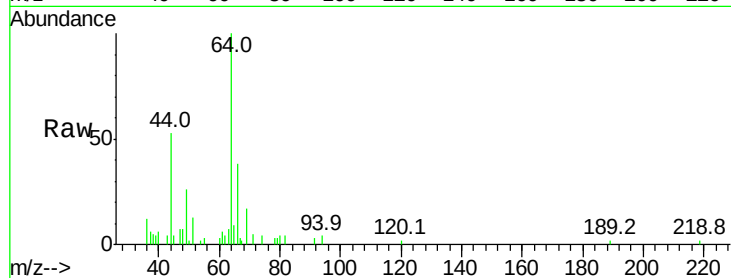
VSTD2.566

Tgt Ion: 64 Resp: 5498

Ion Ratio Lower Upper

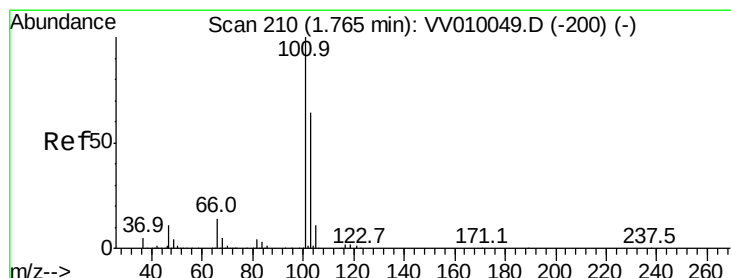
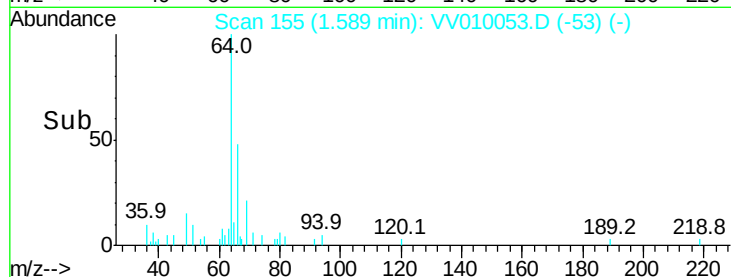
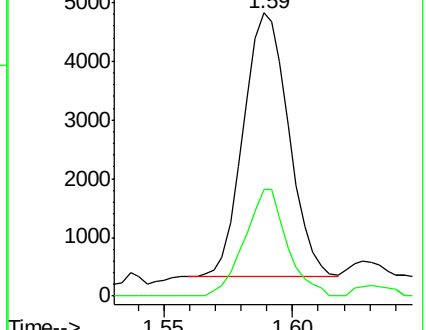
64 100

66 37.6 22.1 41.1



Abundance Ion 64.00 (63.70 to 64.70): VV010049.D (-145) (-)

Ion 66.00 (65.70 to 66.70): VV010049.D (-145) (-)



#9

Trichlorofluoromethane

Concen: 2.461 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV010053.D

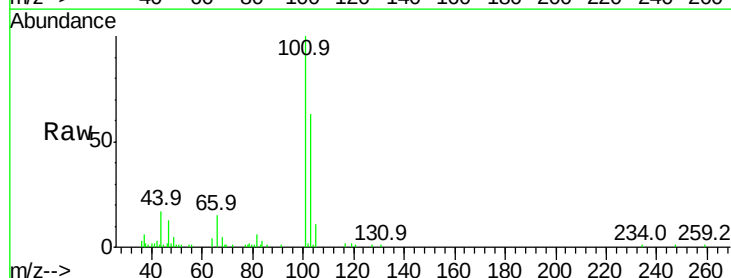
Acq: 01 Apr 2019 17:45

Tgt Ion: 101 Resp: 17221

Ion Ratio Lower Upper

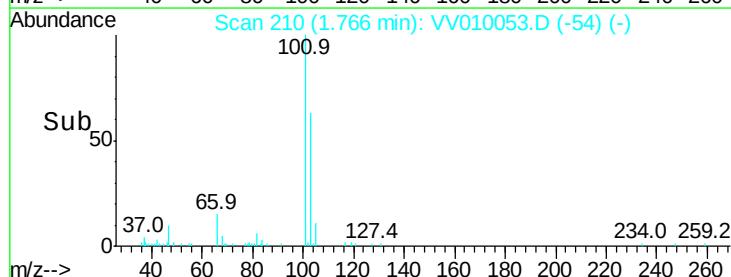
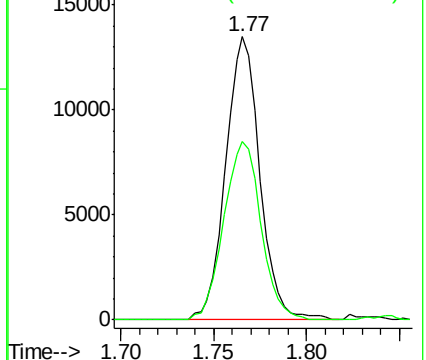
101 100

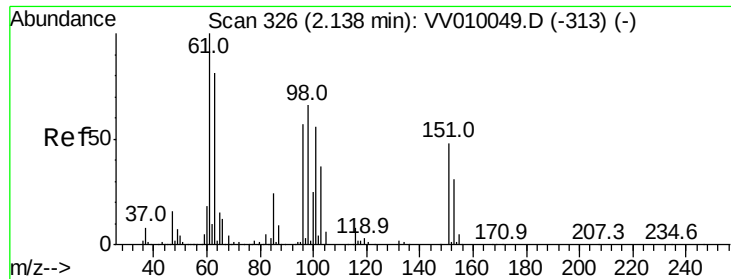
103 68.7 45.1 83.9



Abundance Ion 101.00 (100.70 to 101.70): VV010049.D (-200) (-)

Ion 103.00 (102.70 to 103.70): VV010049.D (-200) (-)





#11

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

Concen: 2.552 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV010053.D

Acq: 01 Apr 2019 17:45

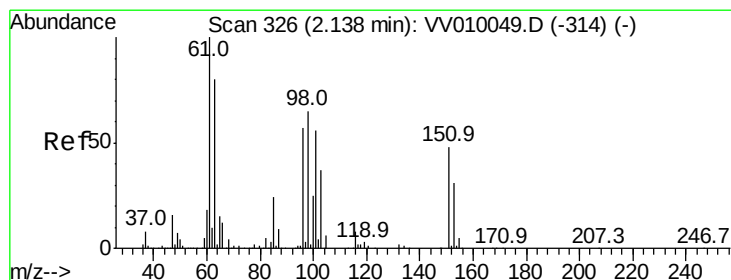
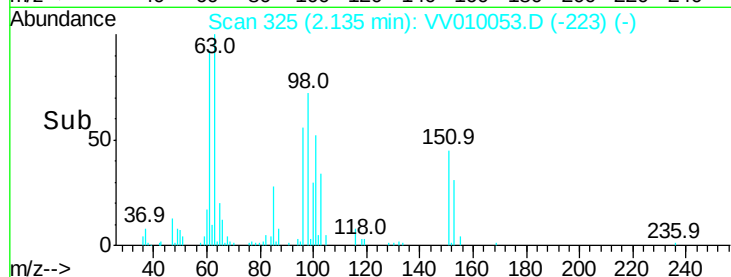
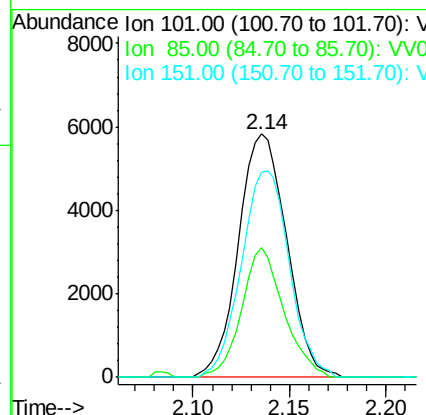
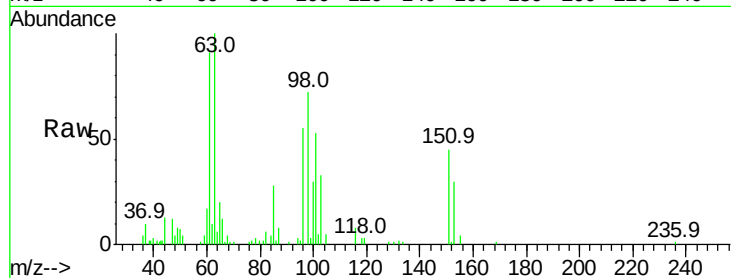
Instrument :

MSVOA_V

ClientSampled :

VSTD2.566

Tgt Ion:	101	Resp:	10107
Ion	Ratio	Lower	Upper
101	100		
85	46.6	37.0	55.4
151	84.5	66.4	99.6



#12

1,1-Dichloroethene

Concen: 2.611 ug/L

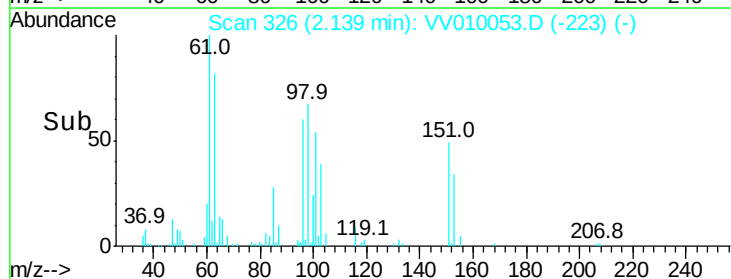
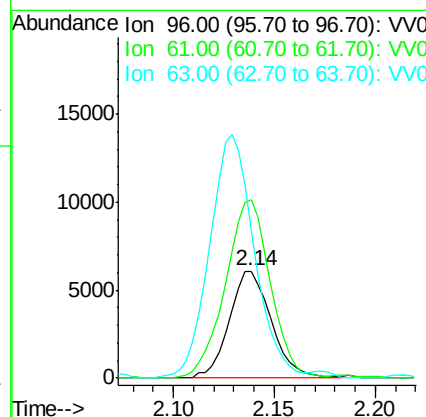
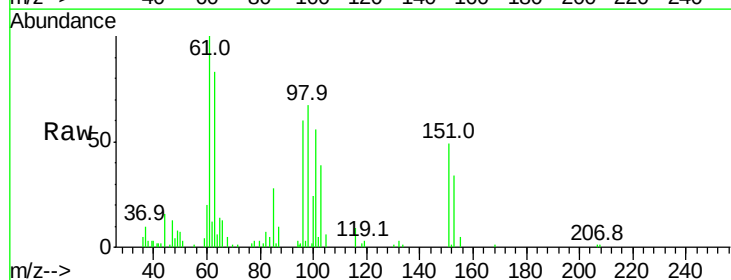
RT: 2.14 min Scan# 326

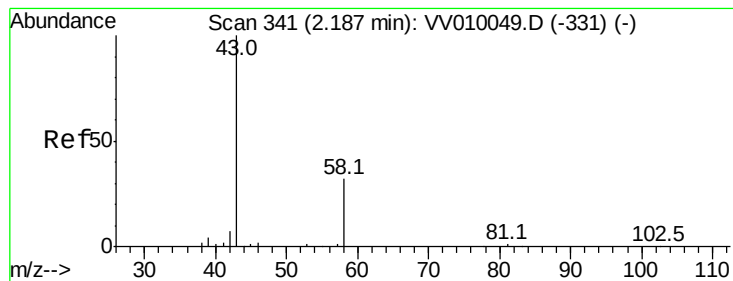
Delta R.T. 0.00 min

Lab File: VV010053.D

Acq: 01 Apr 2019 17:45

Tgt Ion:	96	Resp:	8914
Ion	Ratio	Lower	Upper
96	100		
61	167.2	123.5	229.3
63	138.7	100.1	185.9





#13

Acetone

Concen: 6.744 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

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Acq: 01 Apr 2019 17:45

Instrument :

MSVOA_V

ClientSampleId :

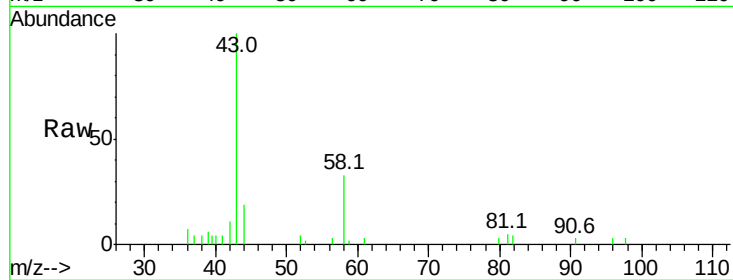
VSTD2.566

Tgt Ion: 43 Resp: 6868

Ion Ratio Lower Upper

43 100

58 29.2 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) (-)

2.19

4000

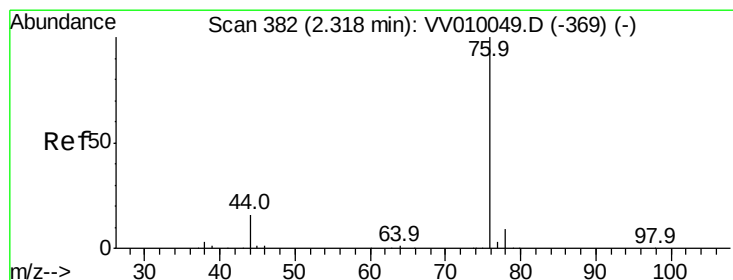
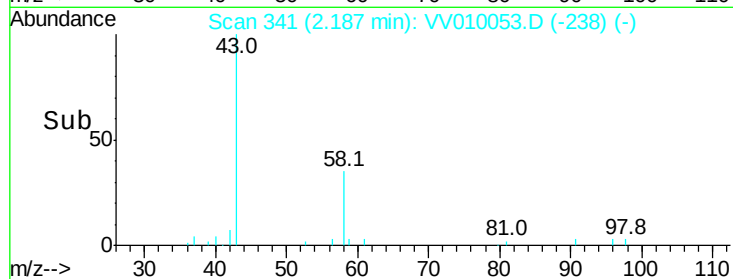
3000

2000

1000

0

Time-->



#14

Carbon disulfide

Concen: 2.401 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV010053.D

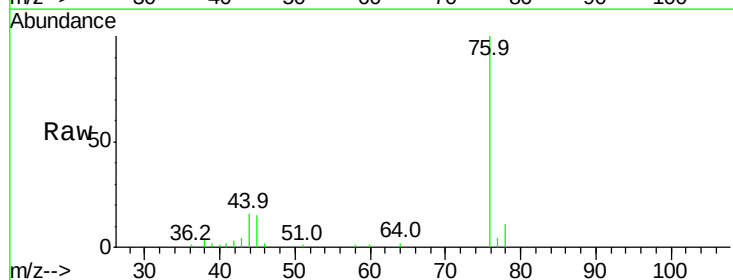
Acq: 01 Apr 2019 17:45

Tgt Ion: 76 Resp: 16461

Ion Ratio Lower Upper

76 100

78 10.6 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) (-)

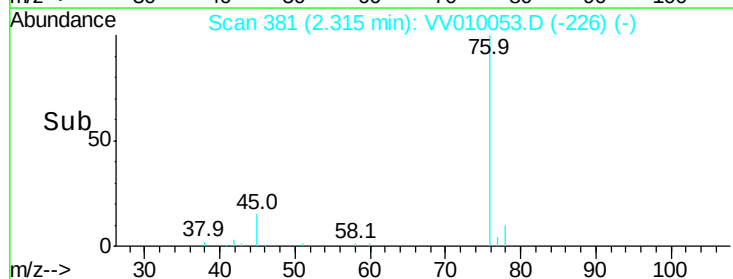
2.32

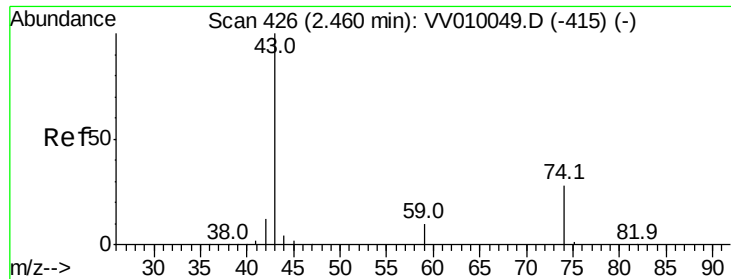
10000

5000

0

Time-->

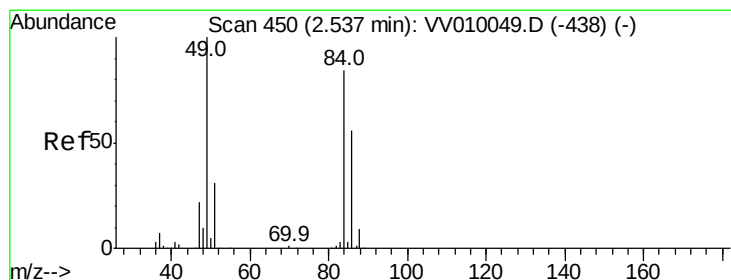
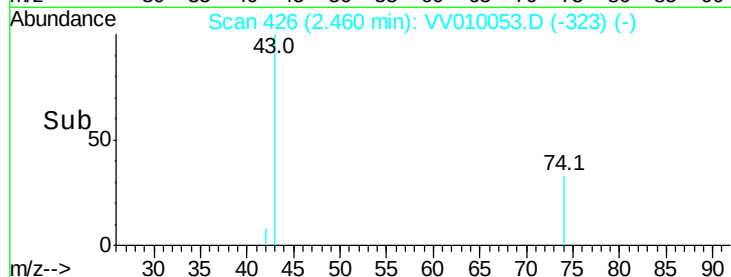
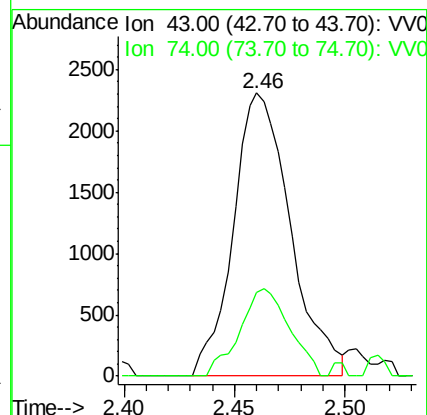
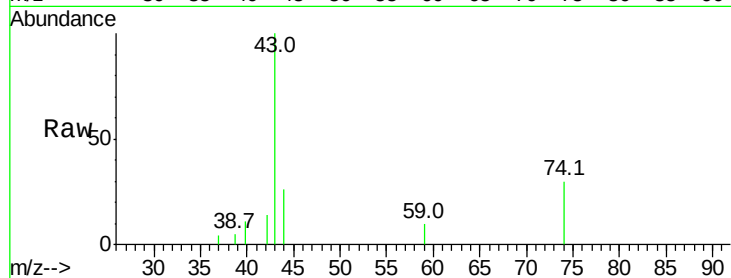




#15
Methyl Acetate
Concen: 2.819 ug/L
RT: 2.46 min Scan# 426
Delta R.T. 0.00 min
Lab File: VV010053.D
Acq: 01 Apr 2019 17:45

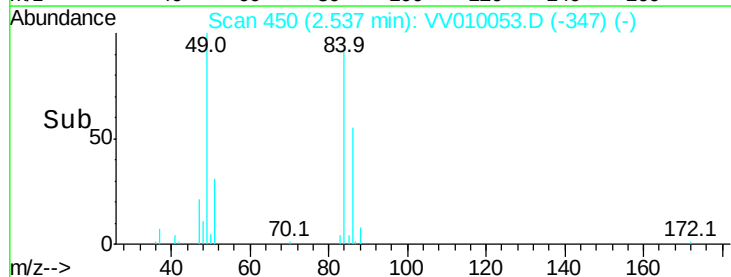
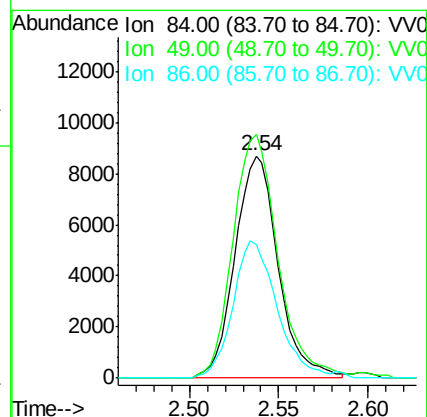
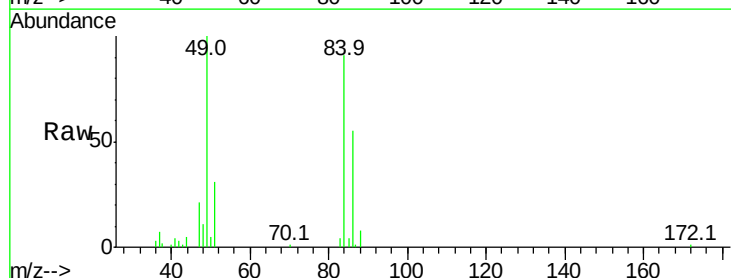
Instrument :
MSVOA_V
ClientSampleId :
VSTD2.566

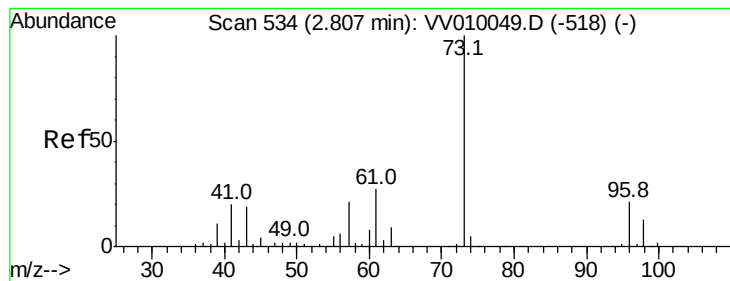
Tgt Ion: 43 Resp: 4167
Ion Ratio Lower Upper
43 100
74 26.8 21.5 32.3



#16
Methylene chloride
Concen: 3.648 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV010053.D
Acq: 01 Apr 2019 17:45

Tgt Ion: 84 Resp: 14720
Ion Ratio Lower Upper
84 100
49 109.5 83.7 155.5
86 60.2 47.1 87.5





#17

Methyl tert-butyl Ether

Concen: 2.420 ug/L

RT: 2.81 min Scan# 534

Delta R.T. 0.00 min

Lab File: VV010053.D

Acq: 01 Apr 2019 17:45

Instrument :

MSVOA_V

ClientSampled :

VSTD2.566

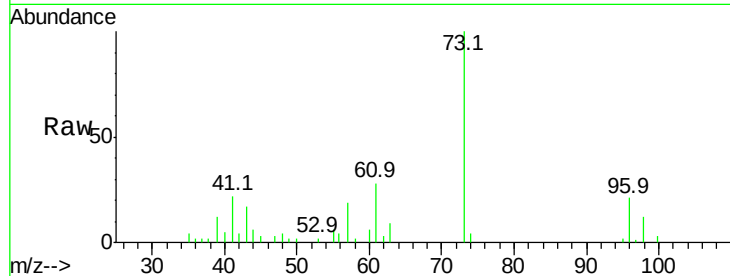
Tgt Ion: 73 Resp: 17040

Ion Ratio Lower Upper

73 100

43 21.4 15.8 23.6

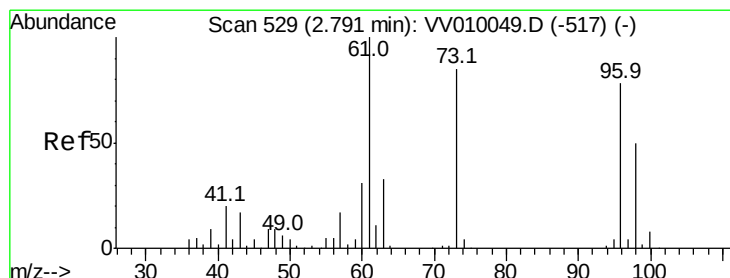
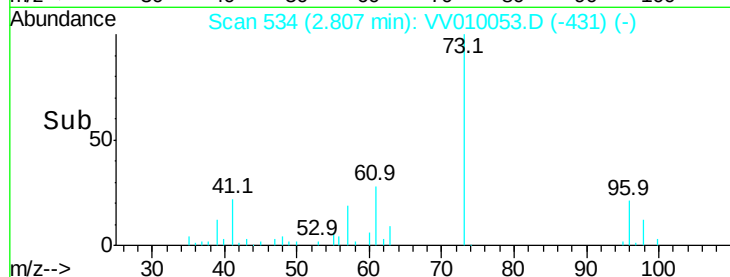
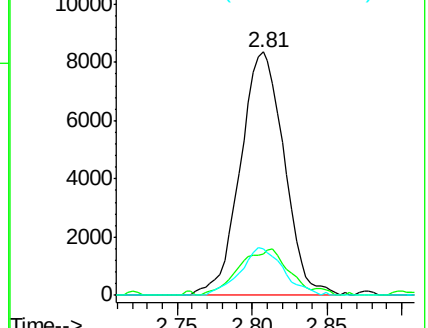
57 19.1 16.2 24.4



Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0



#18

trans-1,2-Dichloroethene

Concen: 2.400 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

Lab File: VV010053.D

Acq: 01 Apr 2019 17:45

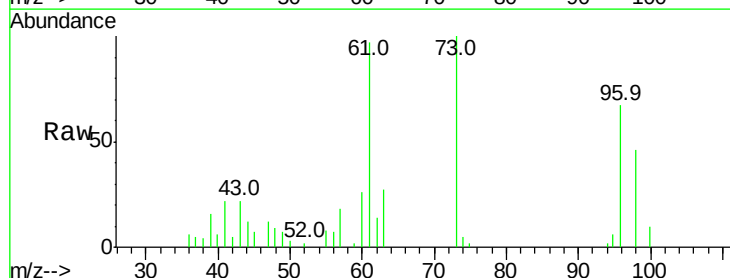
Tgt Ion: 96 Resp: 6819

Ion Ratio Lower Upper

96 100

61 144.1 90.4 168.0

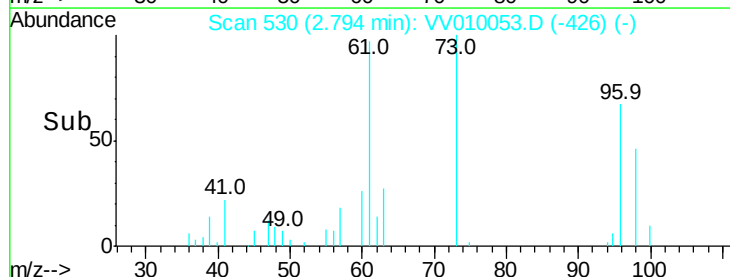
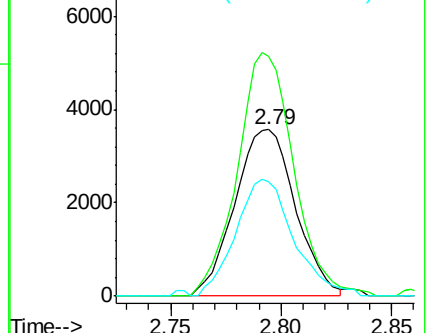
98 69.0 44.9 83.3

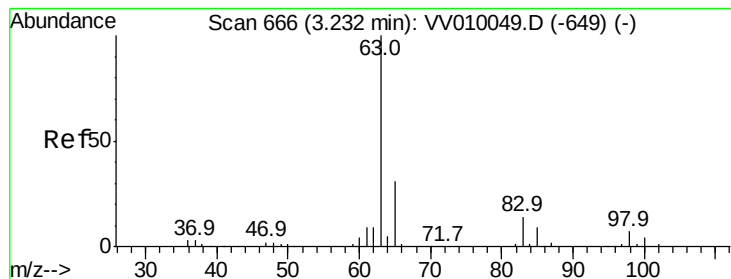


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#19

1,1-Dichloroethane

Concen: 2.528 ug/L

RT: 3.23 min Scan# 665

Delta R.T. -0.00 min

Lab File: VV010053.D

Acq: 01 Apr 2019 17:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.566

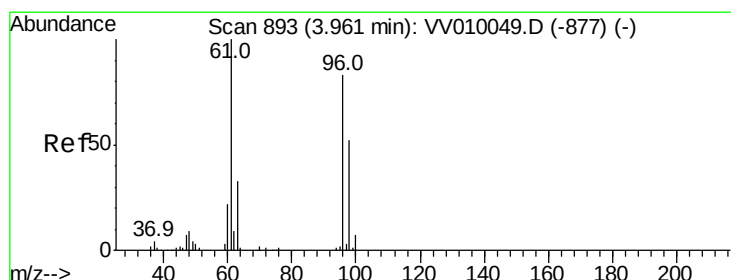
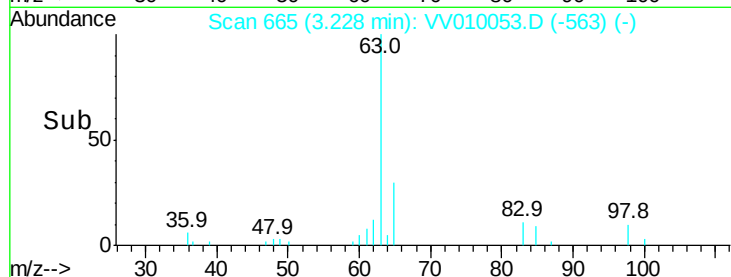
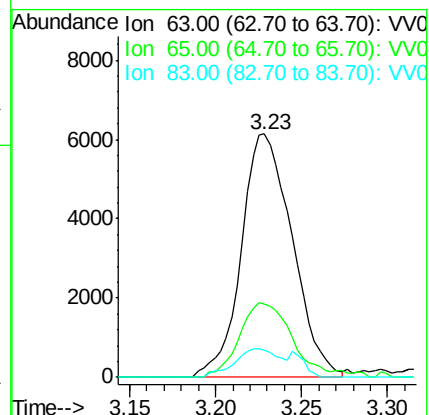
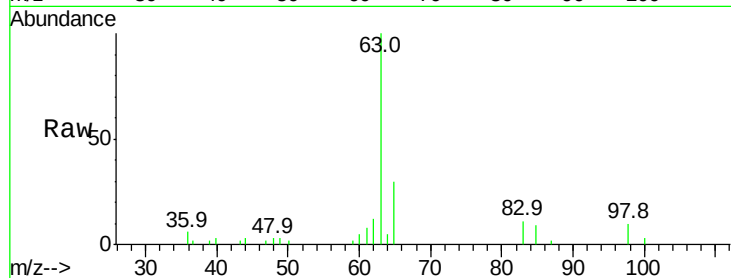
Tgt Ion: 63 Resp: 12634

Ion Ratio Lower Upper

63 100

65 30.2 21.9 40.7

83 11.1 9.9 18.3



#22

cis-1,2-Dichloroethene

Concen: 2.479 ug/L

RT: 3.96 min Scan# 893

Delta R.T. 0.00 min

Lab File: VV010053.D

Acq: 01 Apr 2019 17:45

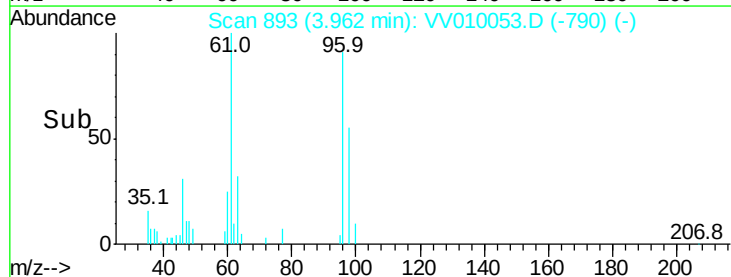
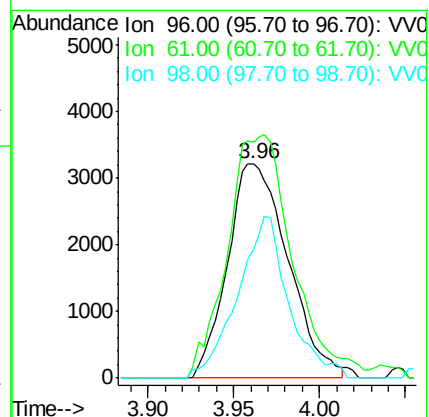
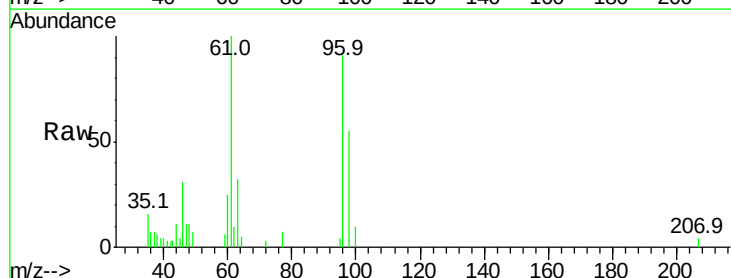
Tgt Ion: 96 Resp: 7893

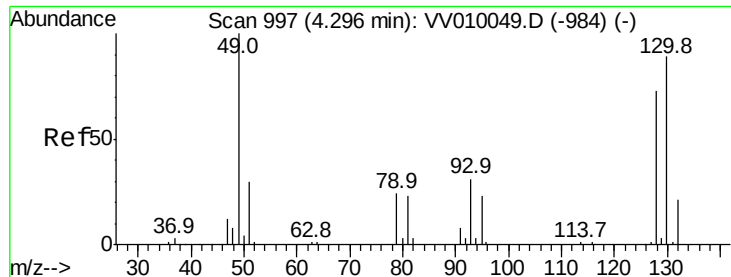
Ion Ratio Lower Upper

96 100

61 110.0 84.3 156.5

98 60.3 44.0 81.8



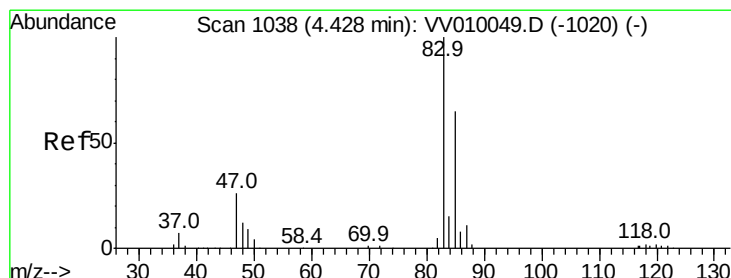
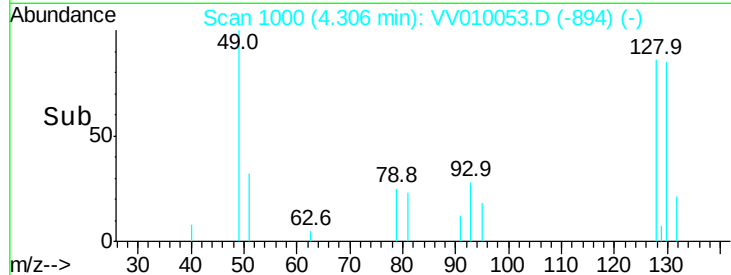
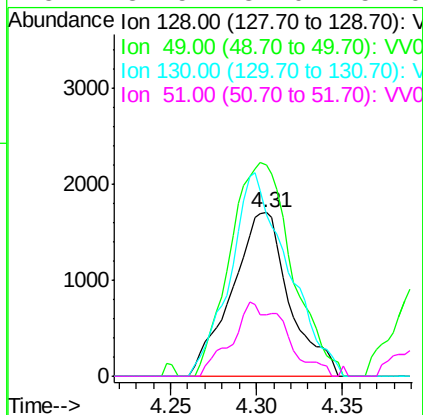
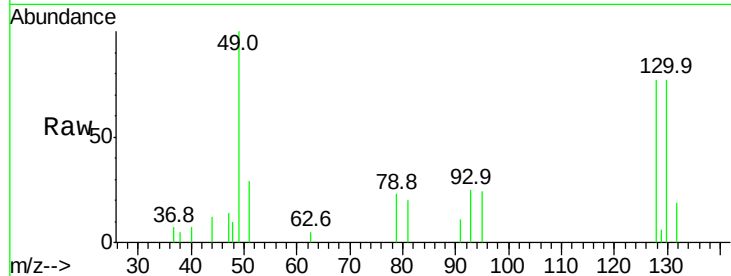


#23
 Bromochloromethane
 Concen: 2.518 ug/L
 RT: 4.31 min Scan# 1000
 Delta R.T. 0.01 min
 Lab File: VV010053.D
 Acq: 01 Apr 2019 17:45

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.566

Tgt Ion: 128 Resp: 3961

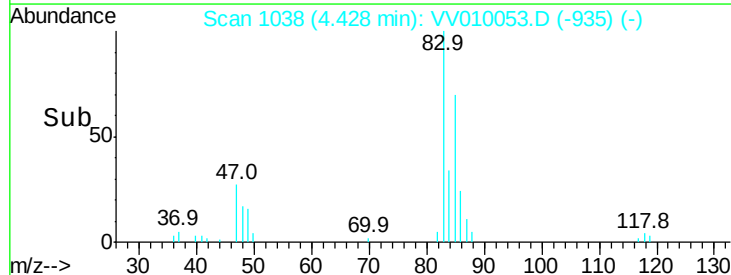
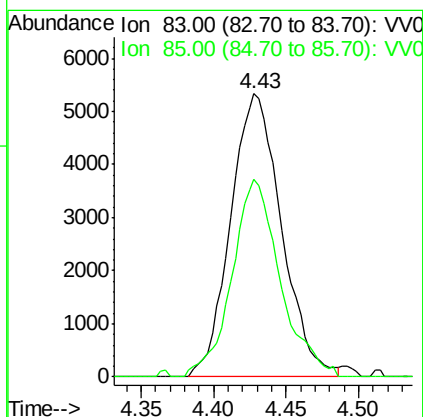
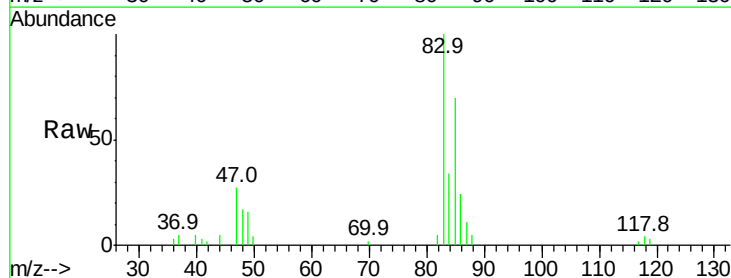
Ion	Ratio	Lower	Upper
128	100		
49	129.1	97.2	180.4
130	98.9	86.2	160.0
51	37.5	34.0	51.0

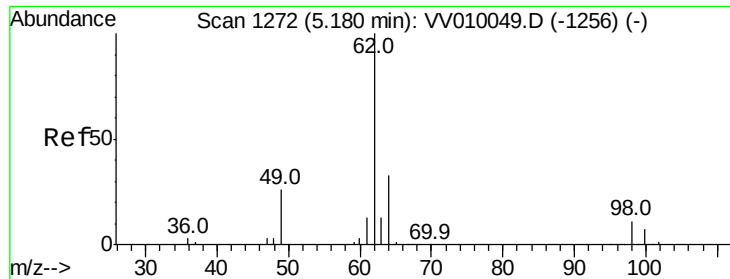


#25
 Chloroform
 Concen: 2.228 ug/L
 RT: 4.43 min Scan# 1038
 Delta R.T. 0.00 min
 Lab File: VV010053.D
 Acq: 01 Apr 2019 17:45

Tgt Ion: 83 Resp: 13043

Ion	Ratio	Lower	Upper
83	100		
85	65.6	46.6	86.6

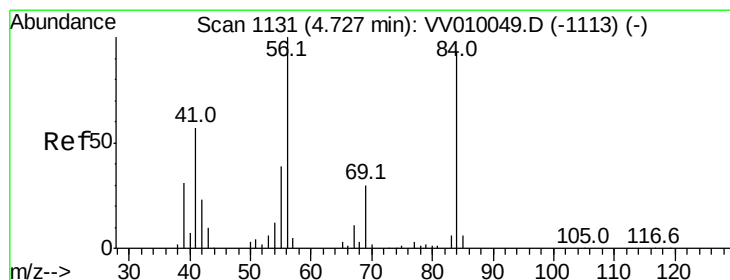
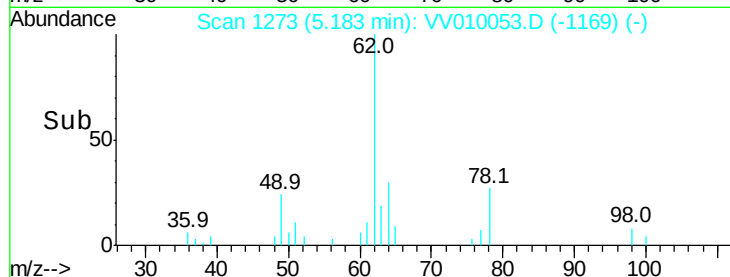
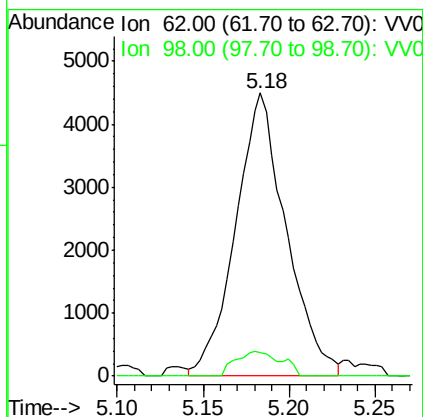
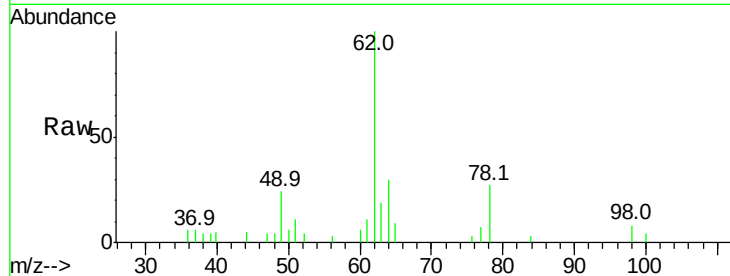




#27
 1,2-Dichloroethane
 Concen: 2.468 ug/L
 RT: 5.18 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VV010053.D
 Acq: 01 Apr 2019 17:45

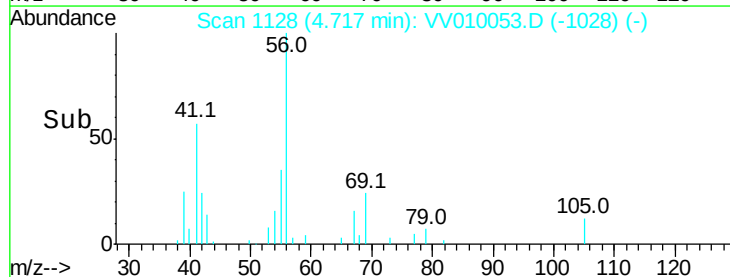
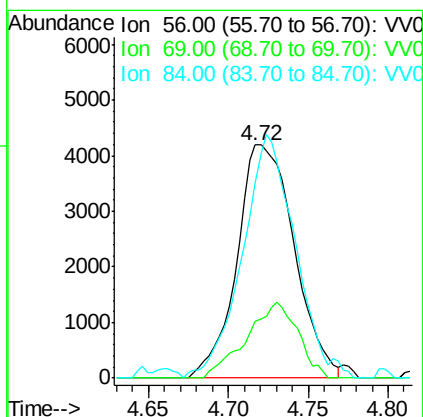
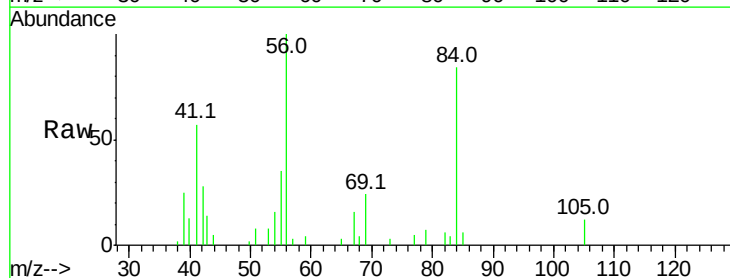
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.566

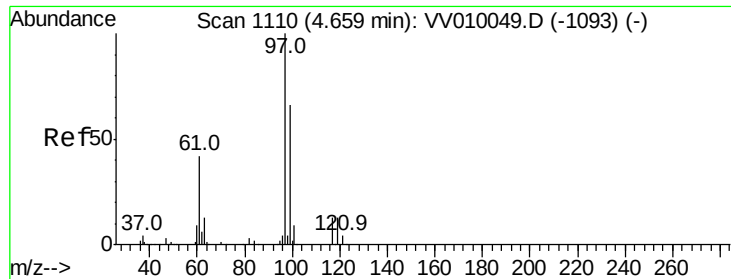
Tgt Ion: 62 Resp: 9177
 Ion Ratio Lower Upper
 62 100
 98 8.3 8.4 12.6#



#30
 Cyclohexane
 Concen: 2.464 ug/L
 RT: 4.72 min Scan# 1128
 Delta R.T. -0.01 min
 Lab File: VV010053.D
 Acq: 01 Apr 2019 17:45

Tgt Ion: 56 Resp: 10304
 Ion Ratio Lower Upper
 56 100
 69 29.2 25.1 37.7
 84 94.3 73.4 110.0





#31

1,1,1-Trichloroethane

Concen: 2.369 ug/L

RT: 4.66 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VV010053.D

Acq: 01 Apr 2019 17:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.566

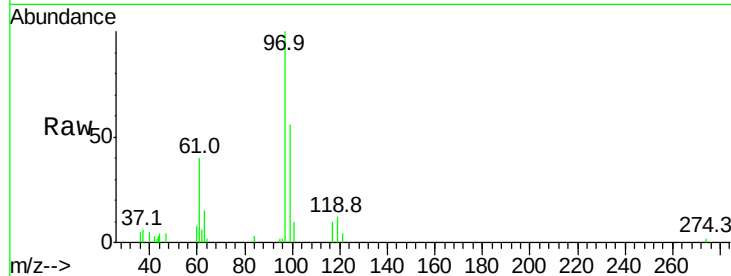
Tgt Ion: 97 Resp: 11081

Ion Ratio Lower Upper

97 100

99 64.1 51.4 77.0

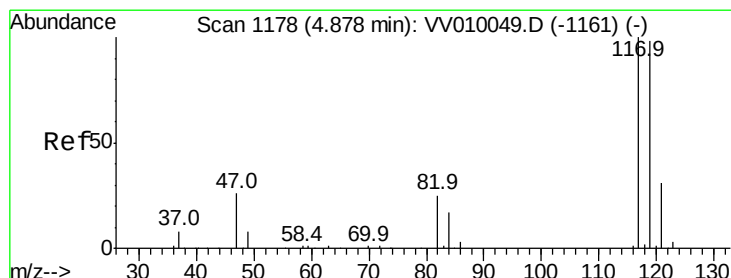
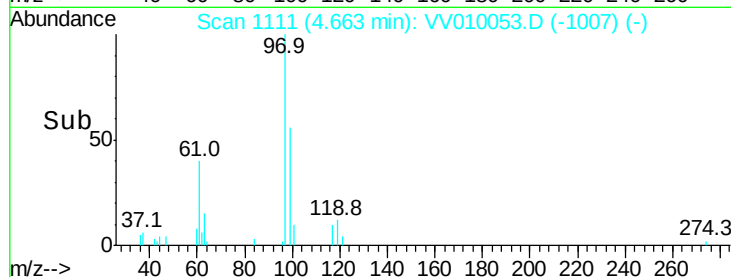
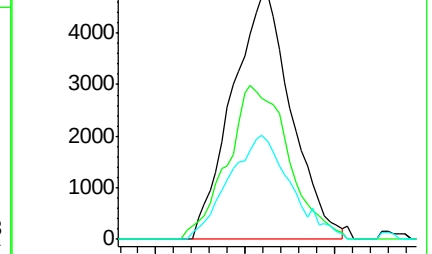
61 40.8 34.2 51.2



Abundance Ion 97.00 (96.70 to 97.70): VV010049.D (-1093) (-)

Ion 99.00 (98.70 to 99.70): VV010049.D (-1093) (-)

Ion 61.00 (60.70 to 61.70): VV010049.D (-1093) (-)



#32

Carbon tetrachloride

Concen: 2.162 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV010053.D

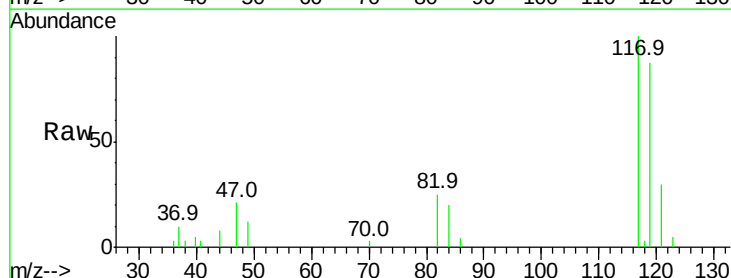
Acq: 01 Apr 2019 17:45

Tgt Ion: 117 Resp: 9207

Ion Ratio Lower Upper

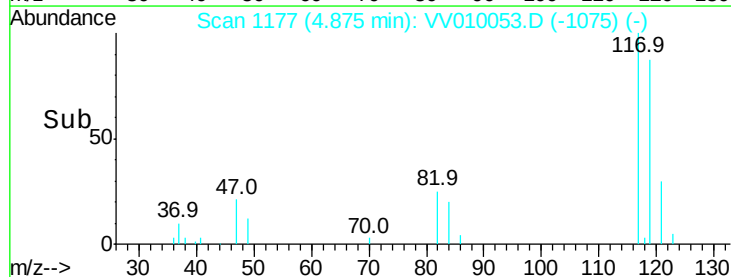
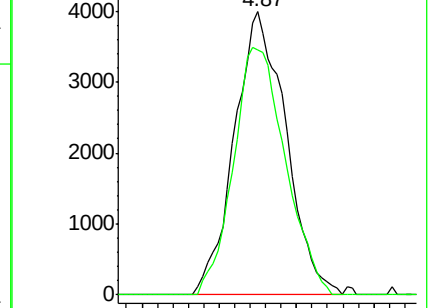
117 100

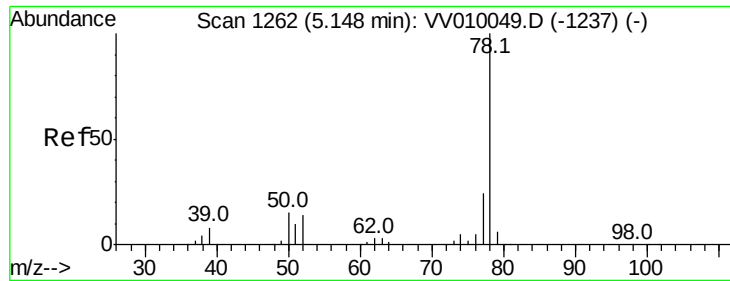
119 88.5 78.1 117.1



Abundance Ion 117.00 (116.70 to 117.70): VV010049.D (-1161) (-)

Ion 119.00 (118.70 to 119.70): VV010049.D (-1161) (-)





#34

Benzene

Concen: 2.488 ug/L

RT: 5.14 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VV010053.D

Acq: 01 Apr 2019 17:45

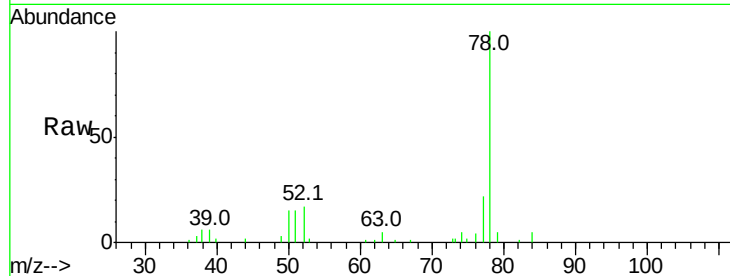
Instrument :

MSVOA_V

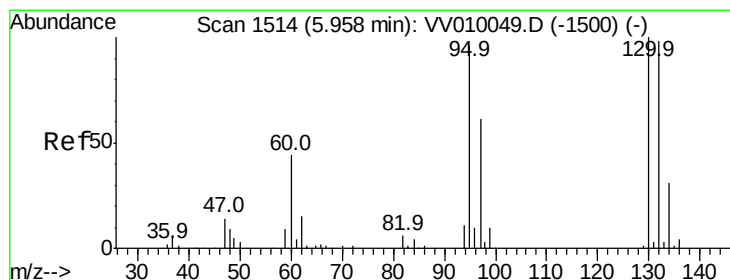
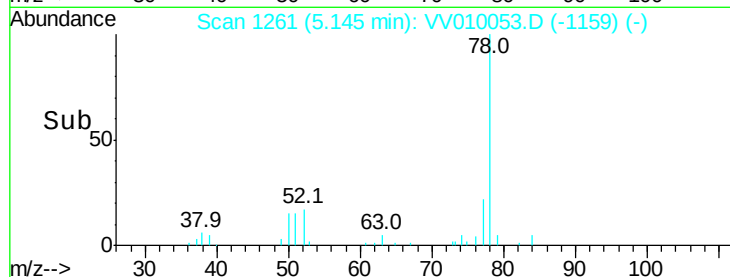
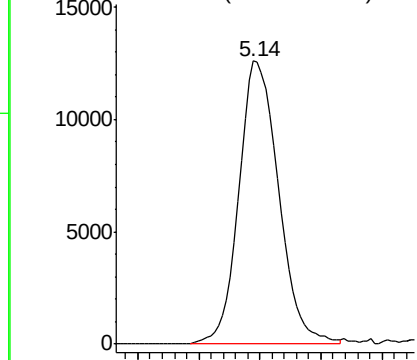
ClientSampleId :

VSTD2.566

Tgt Ion: 78 Resp: 28523



Abundance Ion 78.00 (77.70 to 78.70): VV0



#35

Trichloroethene

Concen: 2.639 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV010053.D

Acq: 01 Apr 2019 17:45

Tgt Ion: 95 Resp: 8654

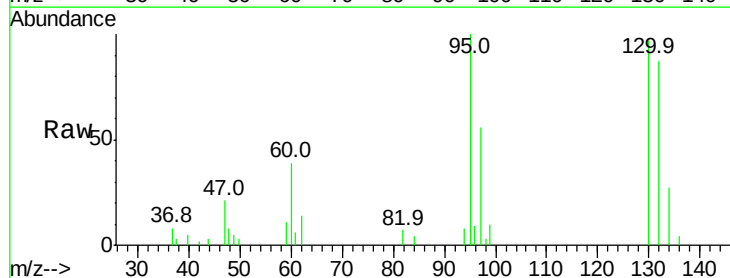
Ion	Ratio	Lower	Upper
95	100		
97	56.2	45.1	83.9
132	93.9	71.7	133.3
130	97.7	74.0	137.4

95 100

97 56.2 45.1 83.9

132 93.9 71.7 133.3

130 97.7 74.0 137.4

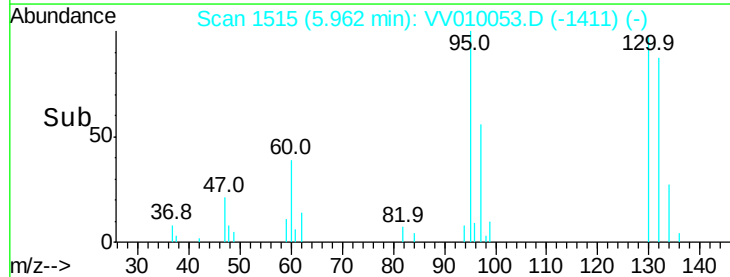
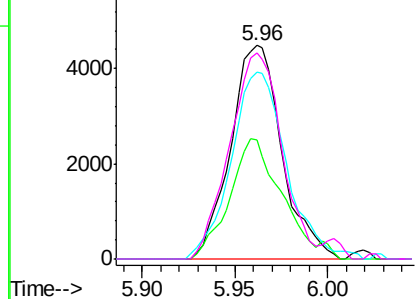


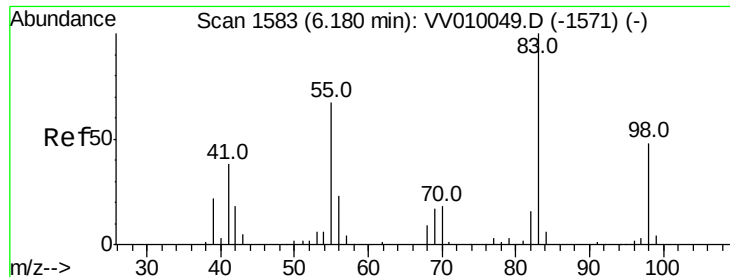
Abundance Ion 95.00 (94.70 to 95.70): VV0

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

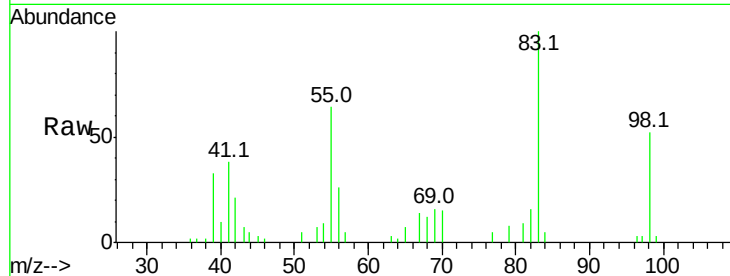




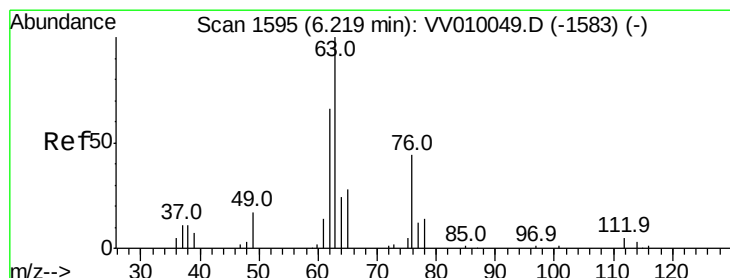
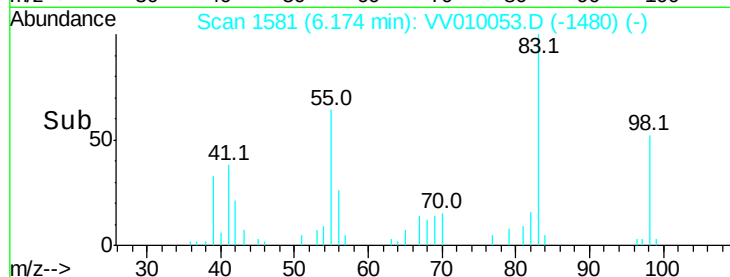
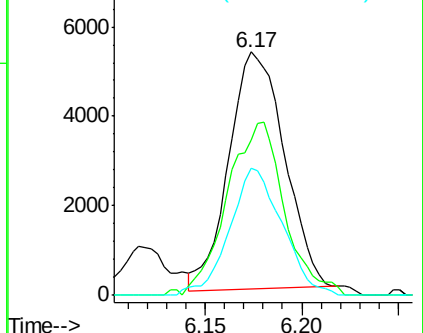
#36
Methylcyclohexane
Concen: 2.137 ug/L
RT: 6.17 min Scan# 1581
Delta R.T. -0.01 min
Lab File: VV010053.D
Acq: 01 Apr 2019 17:45

Instrument :
MSVOA_V
ClientSampled :
VSTD2.566

Tgt Ion: 83 Resp: 10651
Ion Ratio Lower Upper
83 100
55 73.7 54.4 81.6
98 49.1 38.5 57.7

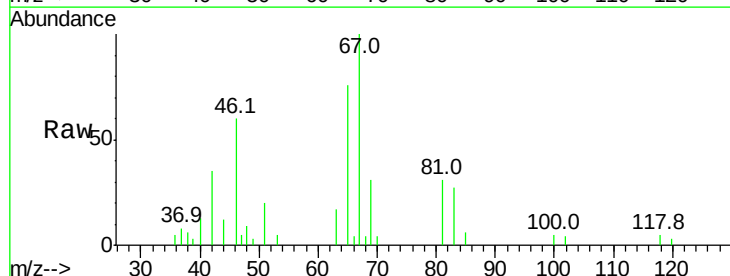


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

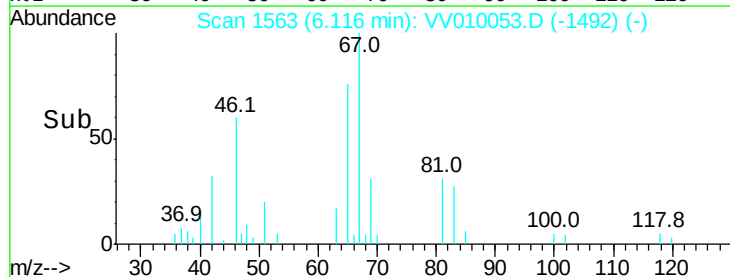
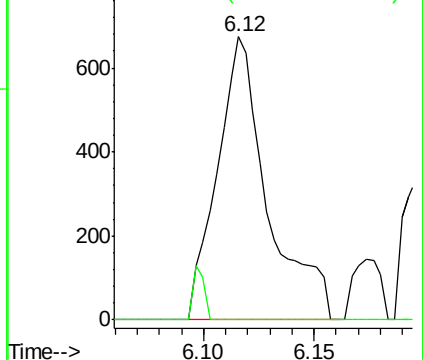


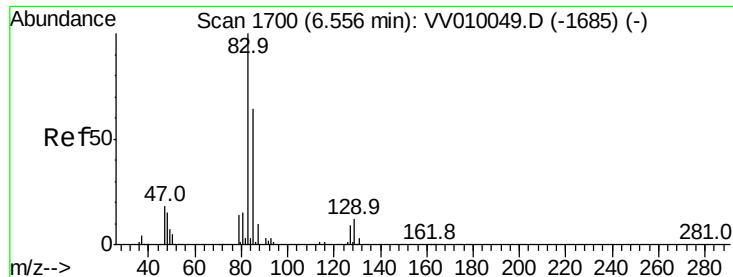
#40
1,2-Dichloropropane
Concen: 0.380 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.10 min
Lab File: VV010053.D
Acq: 01 Apr 2019 17:45

Tgt Ion: 63 Resp: 1067
Ion Ratio Lower Upper
63 100
112 4.2 3.8 5.8



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 112.00 (111.70 to 112.70): V





#41

Bromodichloromethane

Concen: 2.258 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VV010053.D

Acq: 01 Apr 2019 17:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.566

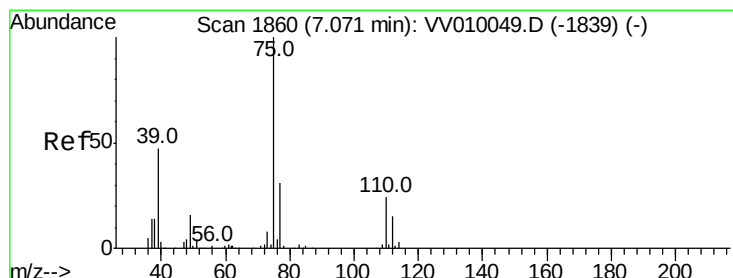
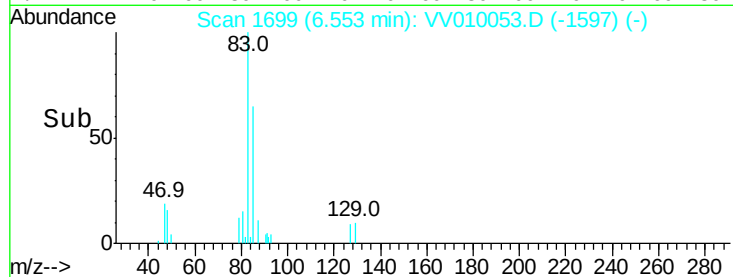
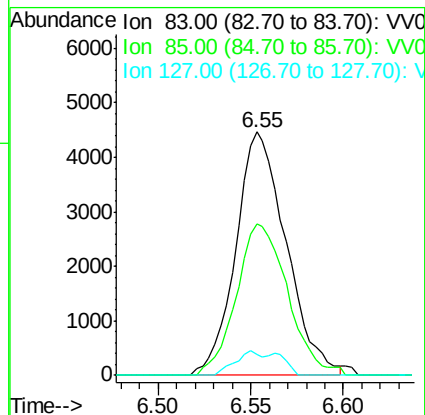
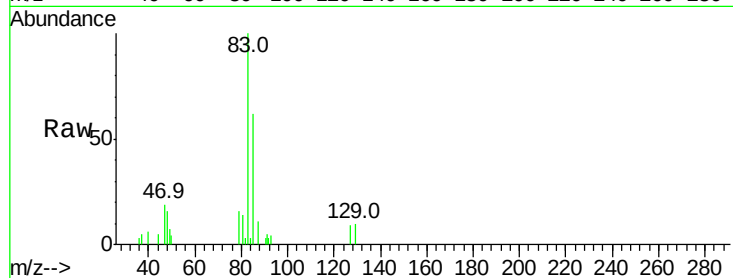
Tgt Ion: 83 Resp: 8442

Ion Ratio Lower Upper

83 100

85 62.0 44.9 83.5

127 8.8 7.0 10.4



#42

cis-1,3-Dichloropropene

Concen: 2.082 ug/L

RT: 7.07 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VV010053.D

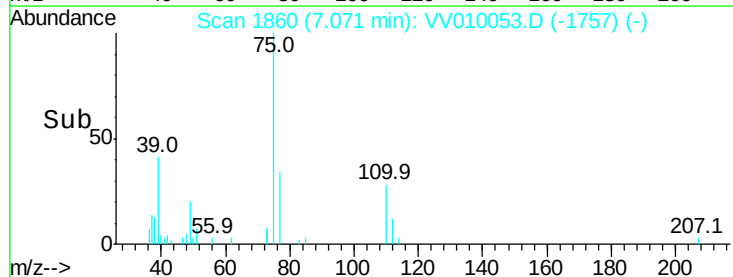
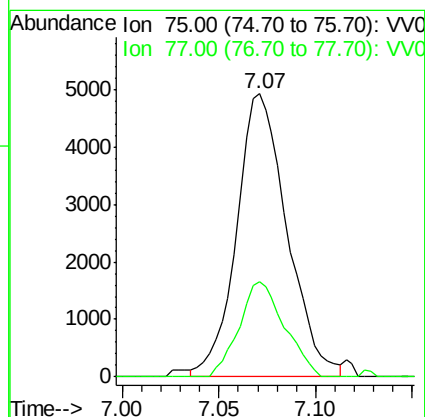
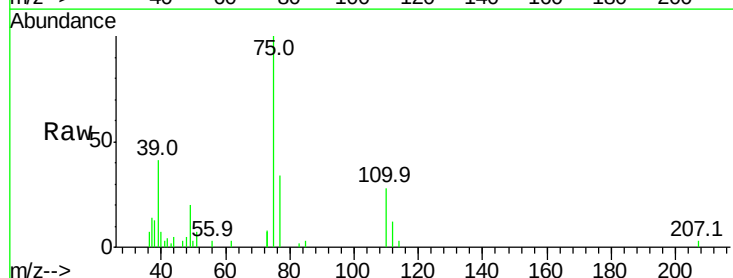
Acq: 01 Apr 2019 17:45

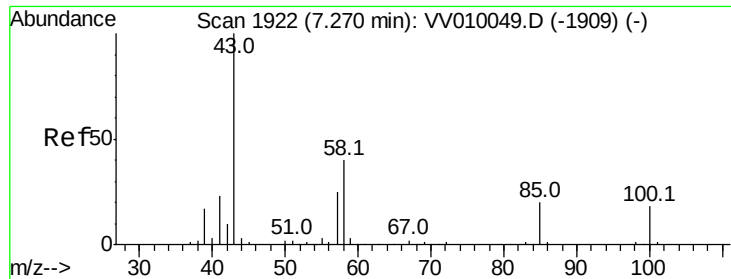
Tgt Ion: 75 Resp: 8936

Ion Ratio Lower Upper

75 100

77 33.7 22.0 40.8

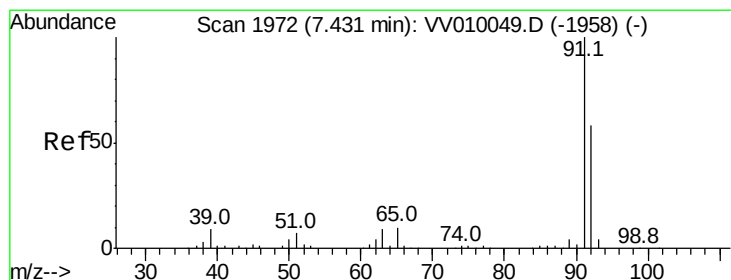
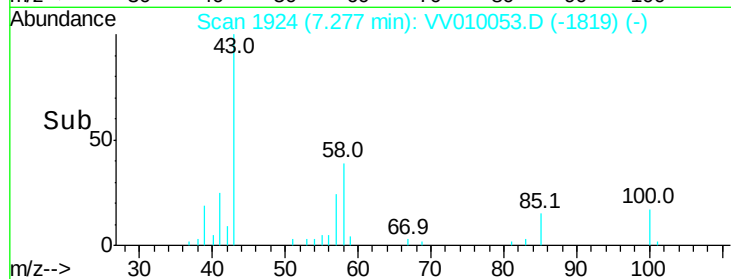
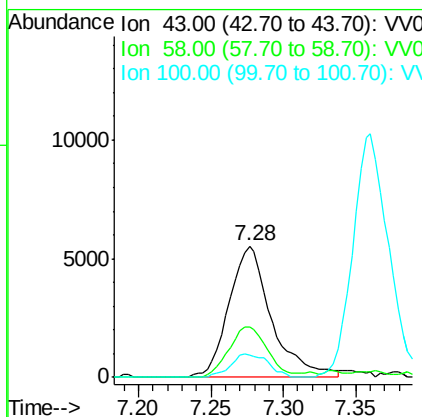
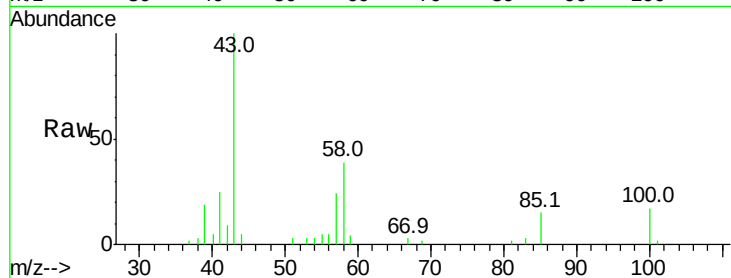




#43
 4-Methyl-2-pentanone
 Concen: 5.261 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.01 min
 Lab File: VV010053.D
 Acq: 01 Apr 2019 17:45

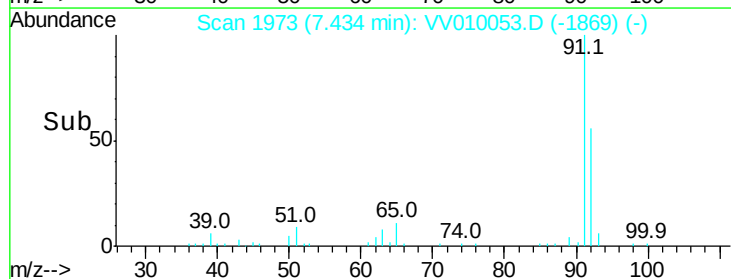
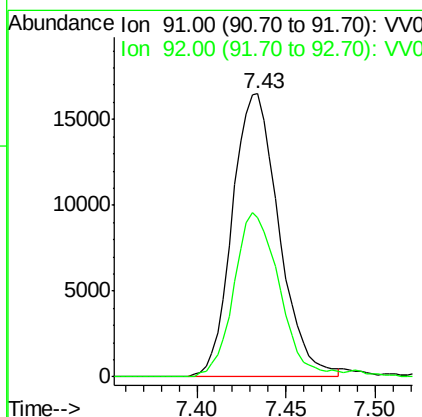
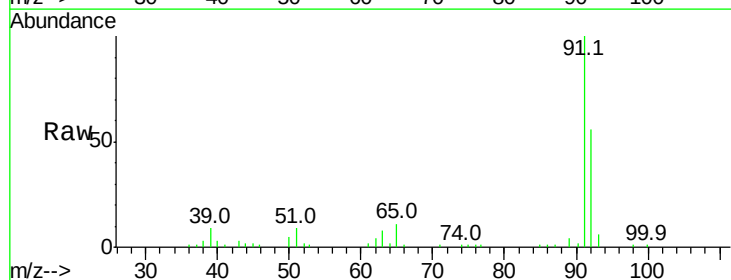
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.566

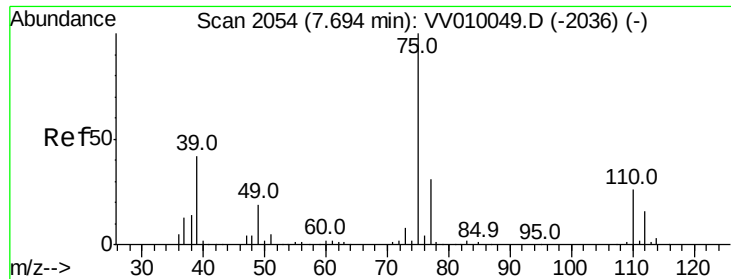
Tgt Ion: 43 Resp: 11278
 Ion Ratio Lower Upper
 43 100
 58 35.1 31.0 46.6
 100 15.3 13.3 19.9



#44
 Toluene
 Concen: 2.311 ug/L
 RT: 7.43 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VV010053.D
 Acq: 01 Apr 2019 17:45

Tgt Ion: 91 Resp: 30023
 Ion Ratio Lower Upper
 91 100
 92 56.2 40.3 74.9





#45

trans-1,3-Dichloropropene

Concen: 2.106 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV010053.D

Acq: 01 Apr 2019 17:45

Instrument :

MSVOA_V

ClientSampleId :

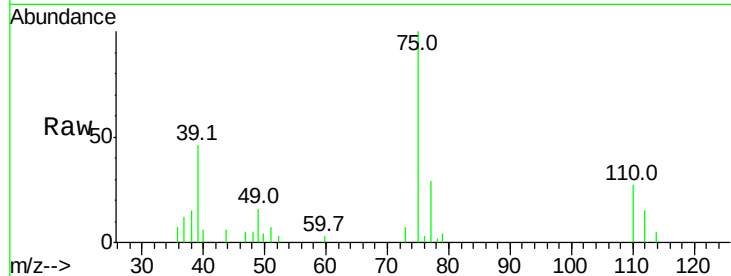
VSTD2.566

Tgt Ion: 75 Resp: 7516

Ion Ratio Lower Upper

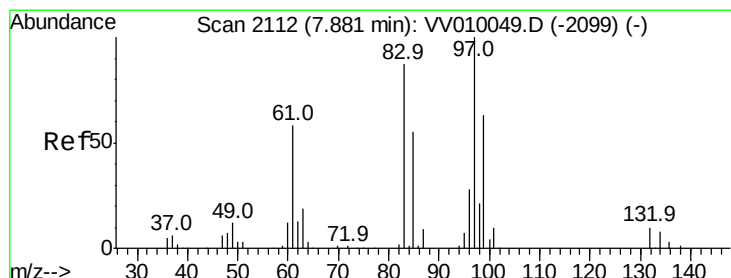
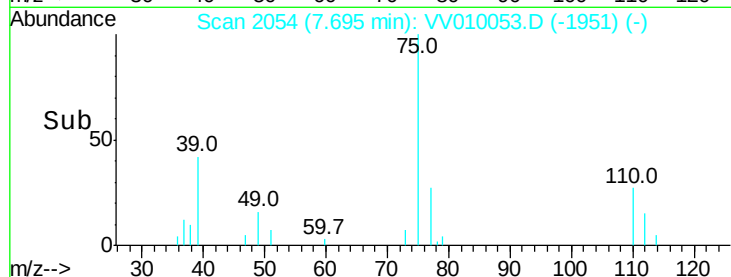
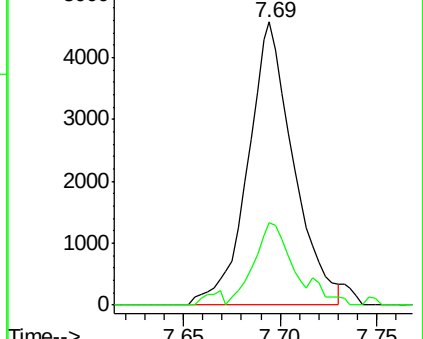
75 100

77 29.1 21.5 39.9



Abundance Ion 75.00 (74.70 to 75.70): VV010049.D (-2036) (-)

Ion 77.00 (76.70 to 77.70): VV010049.D (-2036) (-)



#46

1,1,2-Trichloroethane

Concen: 2.428 ug/L

RT: 7.88 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VV010053.D

Acq: 01 Apr 2019 17:45

Tgt Ion: 97 Resp: 6169

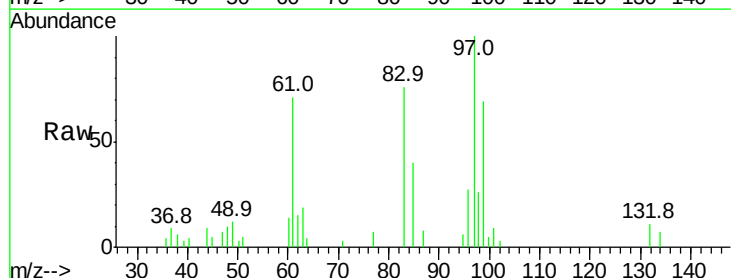
Ion Ratio Lower Upper

97 100

83 75.9 61.1 113.5

85 39.8 38.6 71.8

99 68.6 44.0 81.8

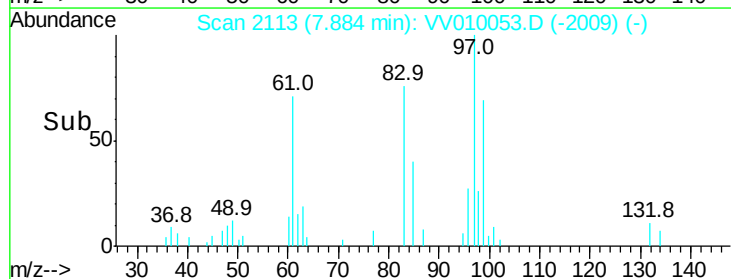
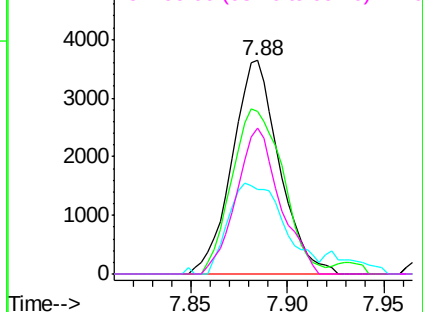


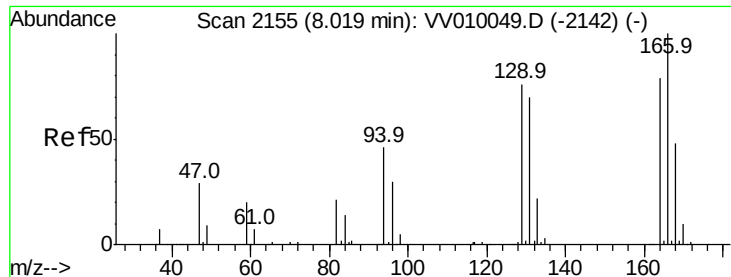
Abundance Ion 97.00 (96.70 to 97.70): VV010049.D (-2099) (-)

Ion 83.00 (82.70 to 83.70): VV010049.D (-2099) (-)

Ion 85.00 (84.70 to 85.70): VV010049.D (-2099) (-)

Ion 99.00 (98.70 to 99.70): VV010049.D (-2099) (-)





#47

Tetrachloroethene

Concen: 2.452 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. 0.00 min

Lab File: VV010053.D

Acq: 01 Apr 2019 17:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.566

Tgt Ion:164 Resp: 6823

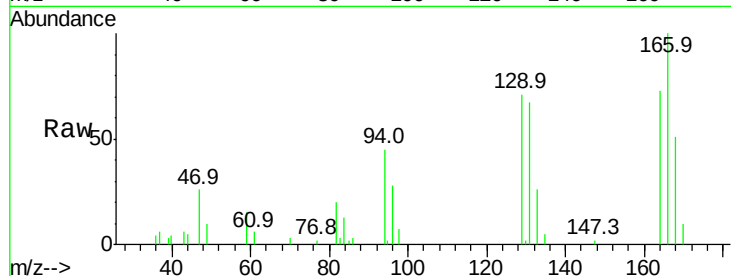
Ion Ratio Lower Upper

164 100

129 97.7 67.1 124.5

131 92.0 62.0 115.2

166 137.1 88.5 164.4



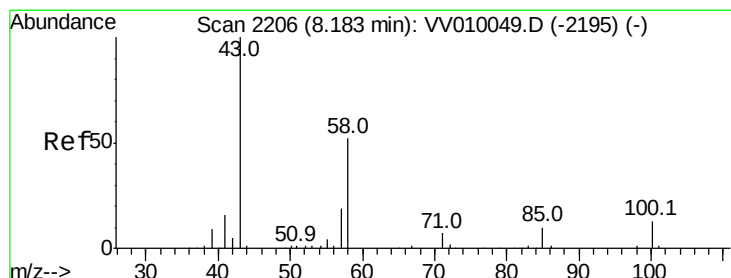
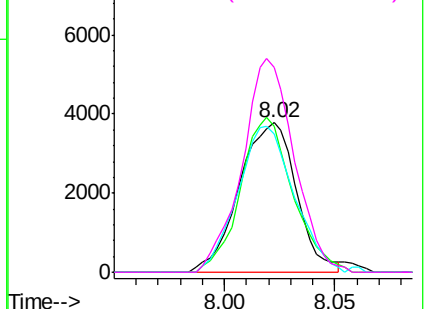
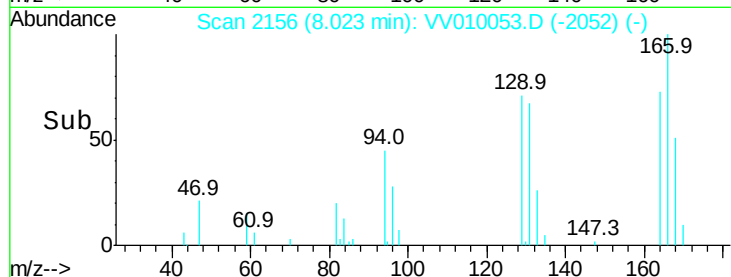
Abundance

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: 4.302 ug/L

RT: 8.19 min Scan# 2207

Delta R.T. 0.00 min

Lab File: VV010053.D

Acq: 01 Apr 2019 17:45

Tgt Ion: 43 Resp: 6116

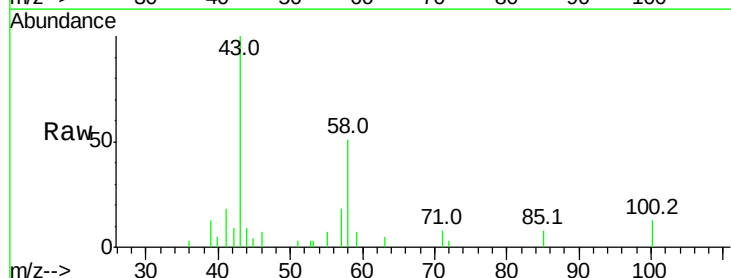
Ion Ratio Lower Upper

43 100

58 55.6 41.9 62.9

57 19.2 15.2 22.8

100 11.6 10.6 16.0



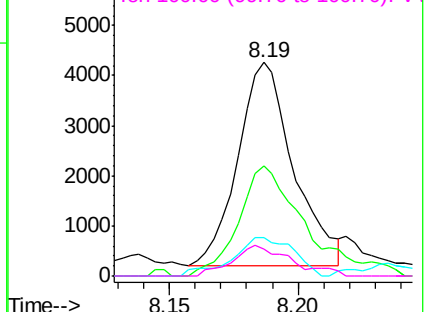
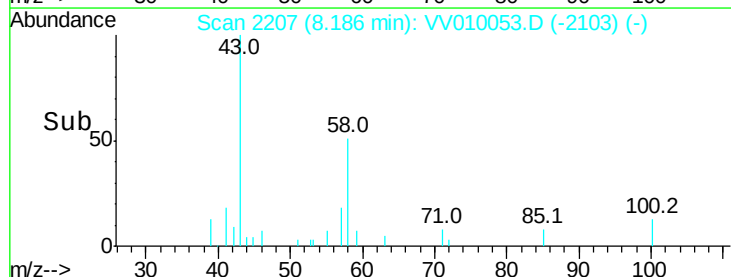
Abundance

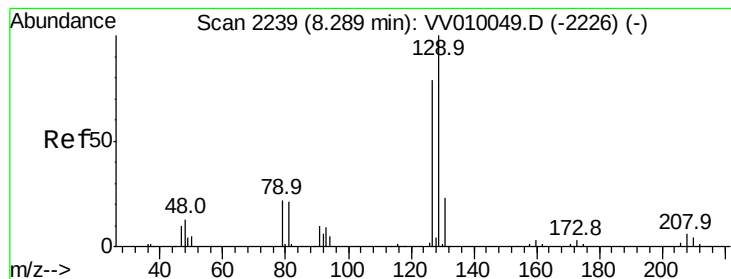
Ion 43.00 (42.70 to 43.70): VV0

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: 2.046 ug/L

RT: 8.29 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VV010053.D

Acq: 01 Apr 2019 17:45

Instrument :

MSVOA_V

ClientSampleId :

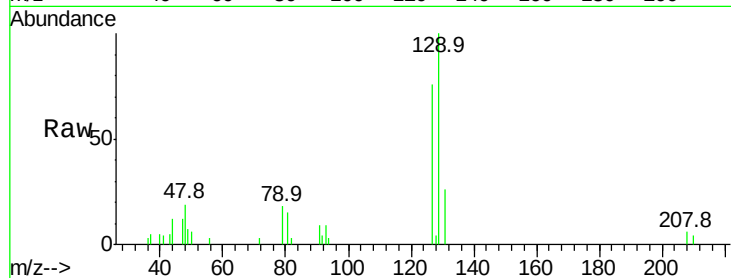
VSTD2.566

Tgt Ion:129 Resp: 6012

Ion Ratio Lower Upper

129 100

127 75.9 55.4 103.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

8.29

4000

3000

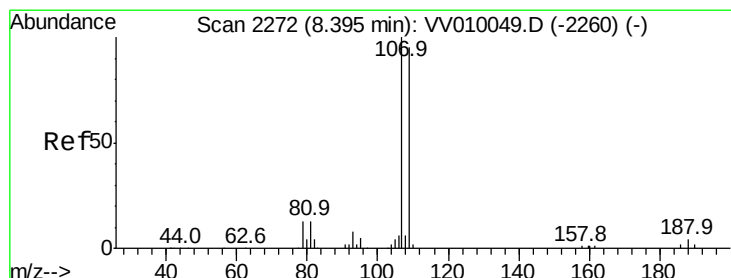
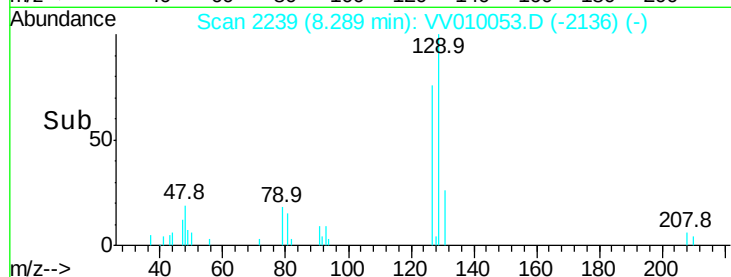
2000

1000

0

Time-->

8.25 8.30



#51

1,2-Dibromoethane

Concen: 2.334 ug/L

RT: 8.40 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VV010053.D

Acq: 01 Apr 2019 17:45

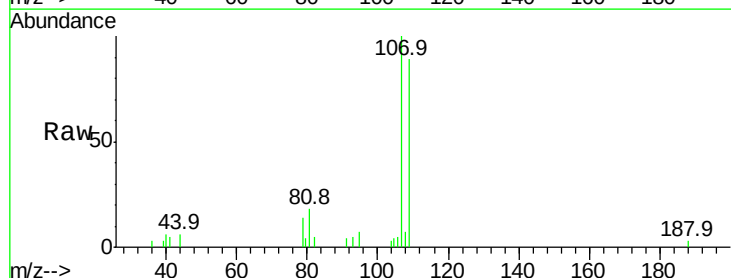
Tgt Ion:107 Resp: 5946

Ion Ratio Lower Upper

107 100

109 88.8 66.8 124.0

188 2.8 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

8.40

5000

4000

3000

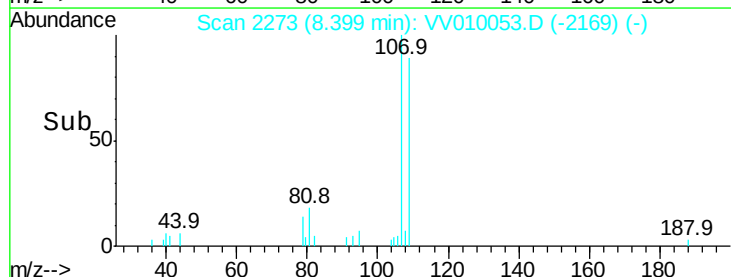
2000

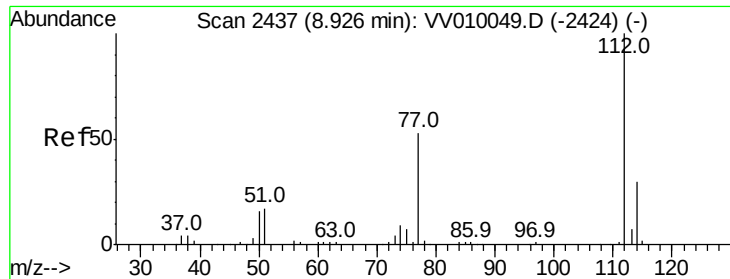
1000

0

Time-->

8.35 8.40 8.45

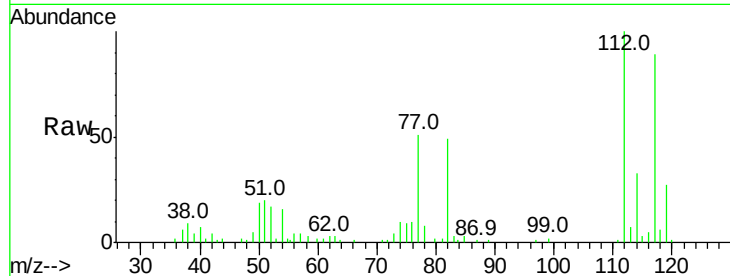




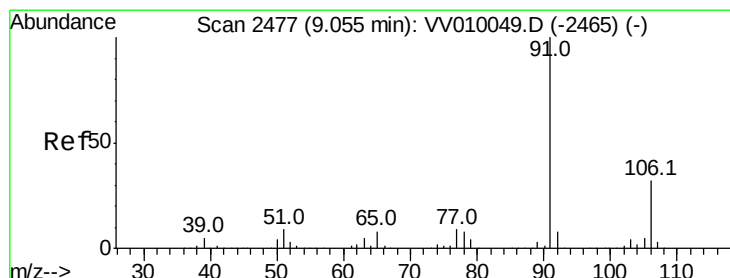
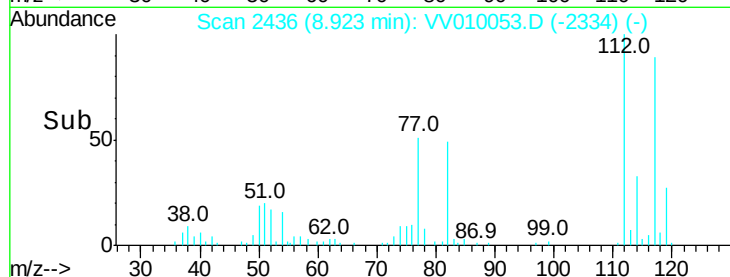
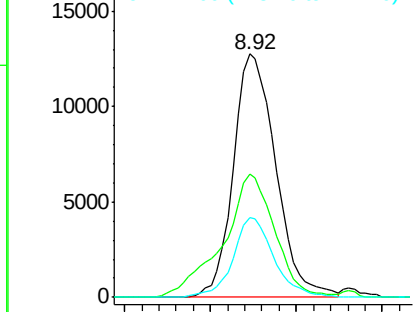
#52
Chlorobenzene
Concen: 2.457 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VV010053.D
Acq: 01 Apr 2019 17:45

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.566

Tgt Ion: 112 Resp: 21975
Ion Ratio Lower Upper
112 100
77 50.8 42.6 63.8
114 32.7 20.9 38.9

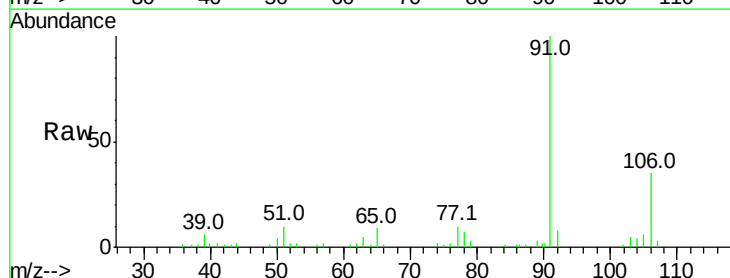


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 77.00 (76.70 to 77.70): VV0
Ion 114.00 (113.70 to 114.70): V

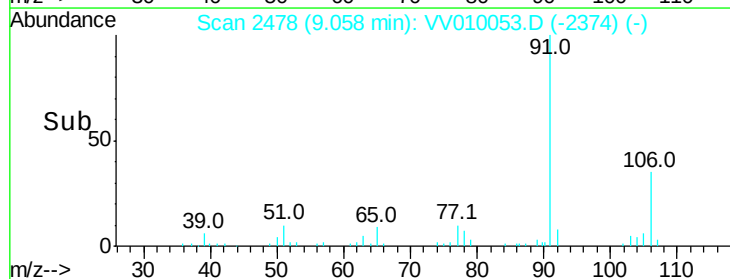
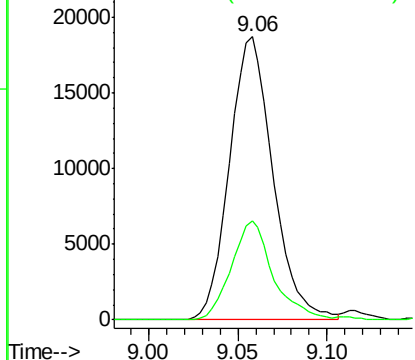


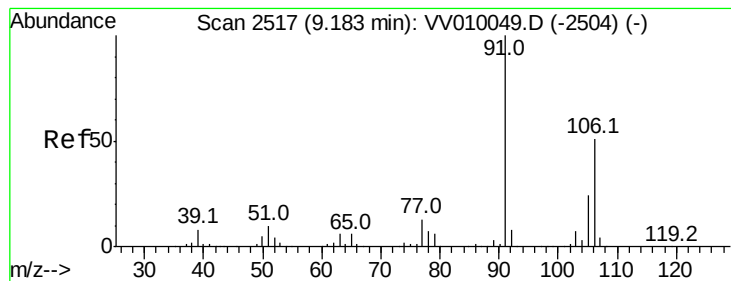
#53
Ethylbenzene
Concen: 2.214 ug/L
RT: 9.06 min Scan# 2478
Delta R.T. 0.00 min
Lab File: VV010053.D
Acq: 01 Apr 2019 17:45

Tgt Ion: 91 Resp: 31780
Ion Ratio Lower Upper
91 100
106 35.0 22.6 42.0



Abundance Ion 91.00 (90.70 to 91.70): VV0
Ion 106.00 (105.70 to 106.70): V





#54

m,p-Xylene

Concen: 2.254 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV010053.D

Acq: 01 Apr 2019 17:45

Instrument :

MSVOA_V

ClientSampleId :

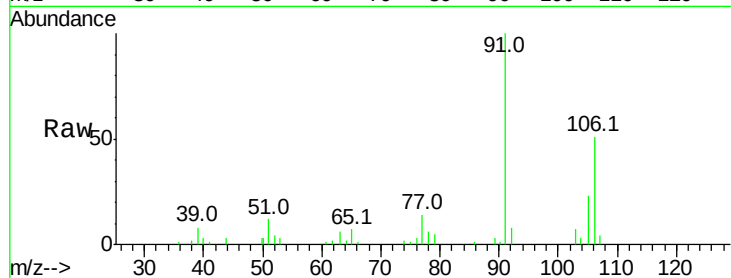
VSTD2.566

Tgt Ion:106 Resp: 12973

Ion Ratio Lower Upper

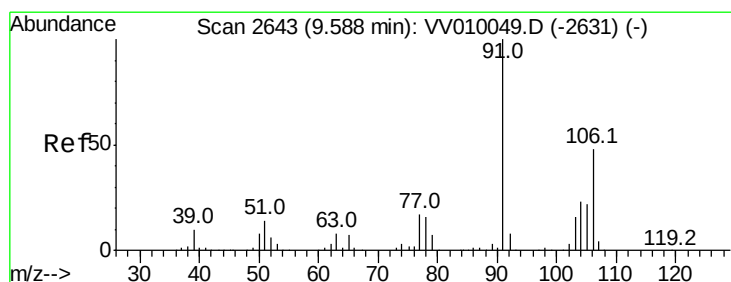
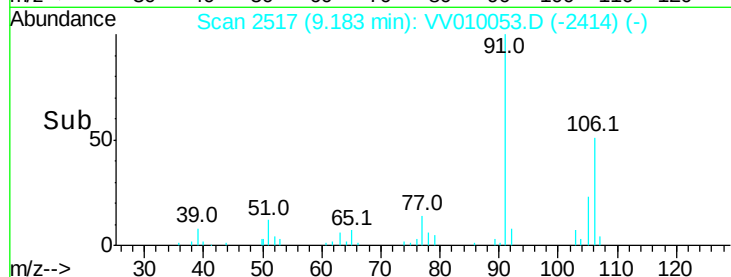
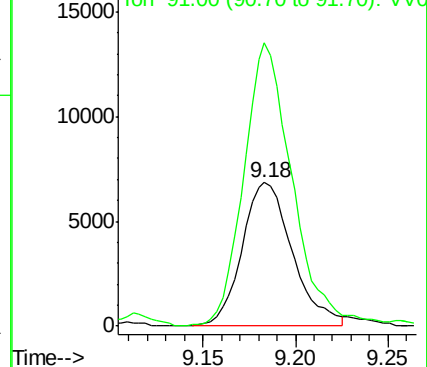
106 100

91 197.1 136.4 253.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

o-xylene

Concen: 2.079 ug/L

RT: 9.59 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VV010053.D

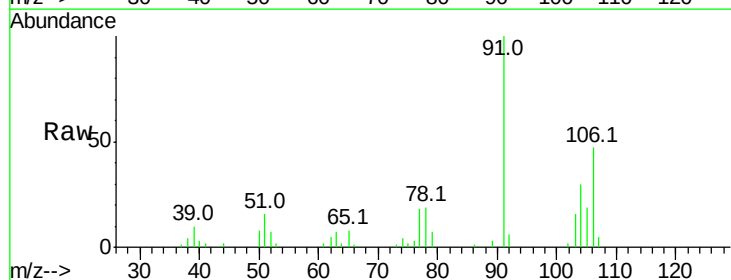
Acq: 01 Apr 2019 17:45

Tgt Ion:106 Resp: 11319

Ion Ratio Lower Upper

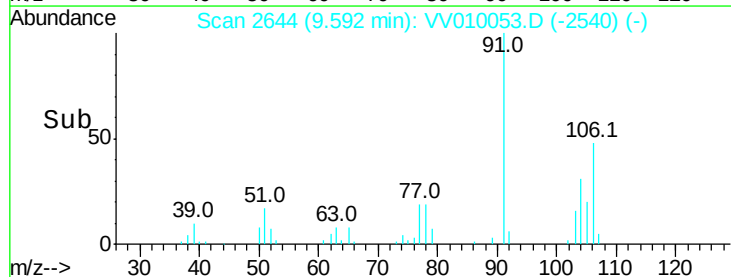
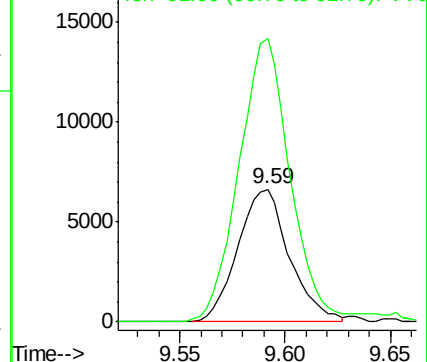
106 100

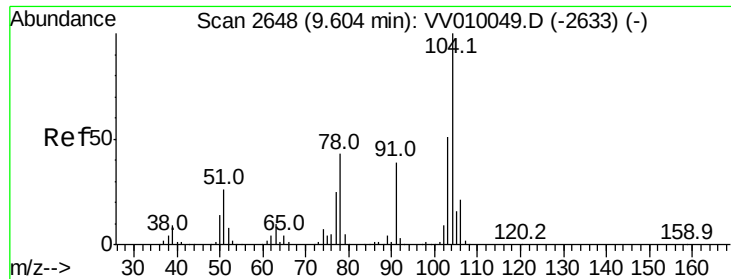
91 213.0 147.0 273.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0

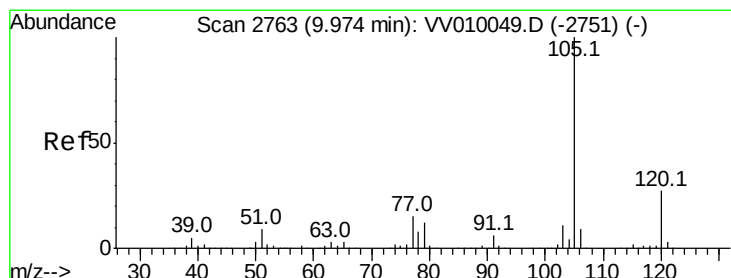
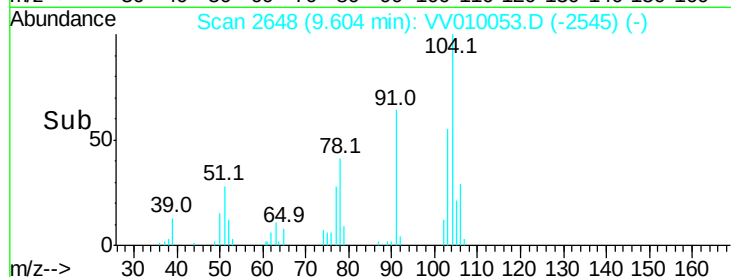
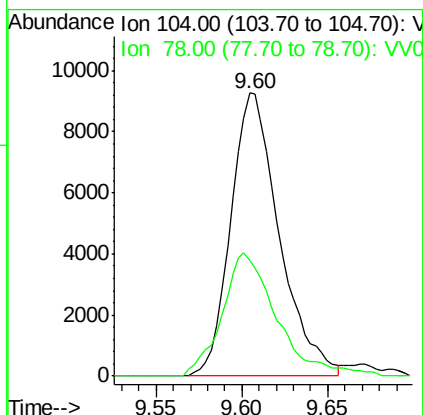
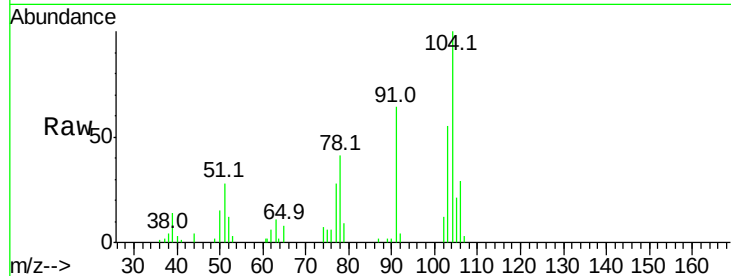




#56
Styrene
Concen: 2.001 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV010053.D
Acq: 01 Apr 2019 17:45

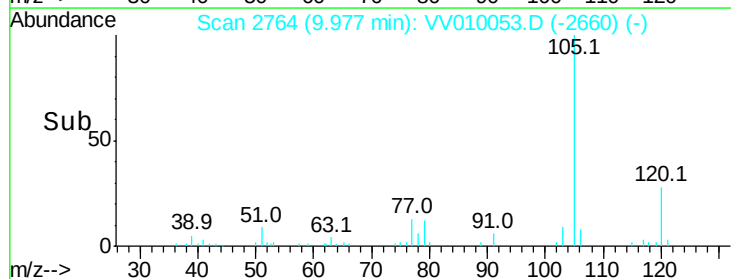
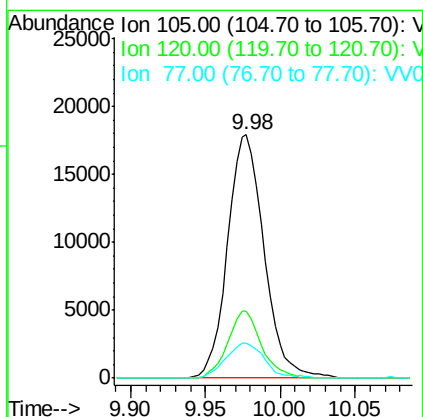
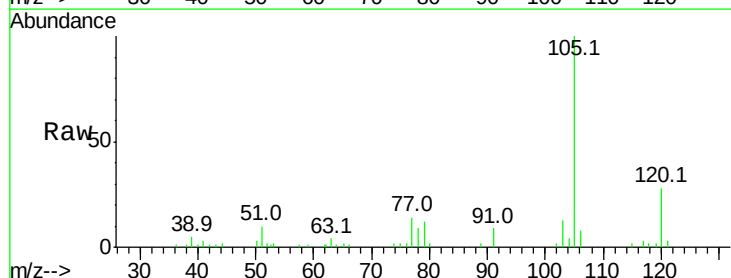
Instrument :
MSVOA_V
ClientSampleId :
VSTD2.566

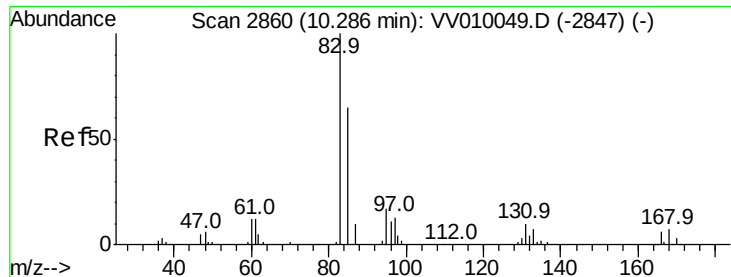
Tgt Ion:104 Resp: 18234
Ion Ratio Lower Upper
104 100
78 40.8 30.0 55.6



#57
Isopropylbenzene
Concen: 2.100 ug/L
RT: 9.98 min Scan# 2764
Delta R.T. 0.00 min
Lab File: VV010053.D
Acq: 01 Apr 2019 17:45

Tgt Ion:105 Resp: 30455
Ion Ratio Lower Upper
105 100
120 25.3 21.9 32.9
77 15.0 12.4 18.6

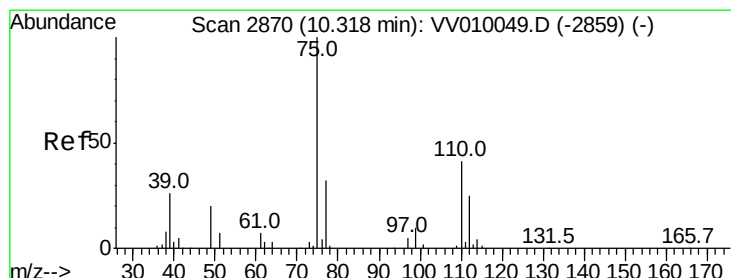
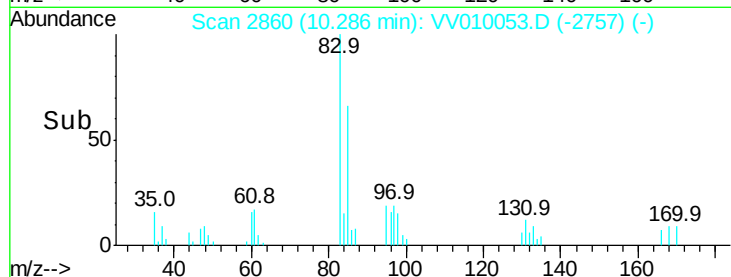
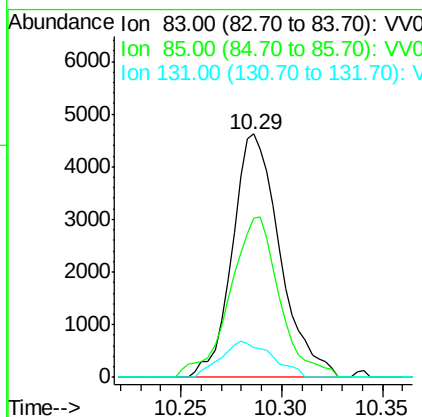
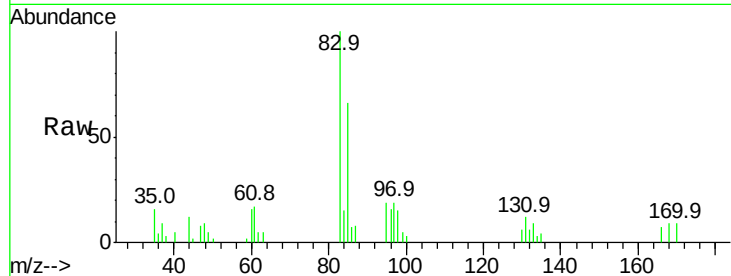




#58
 1,1,2,2-Tetrachloroethane
 Concen: 2.324 ug/L
 RT: 10.29 min Scan# 2860
 Delta R.T. 0.00 min
 Lab File: VV010053.D
 Acq: 01 Apr 2019 17:45

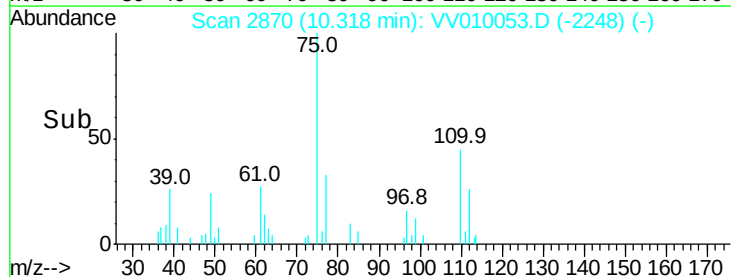
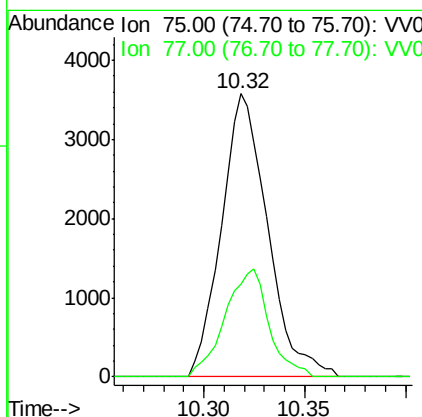
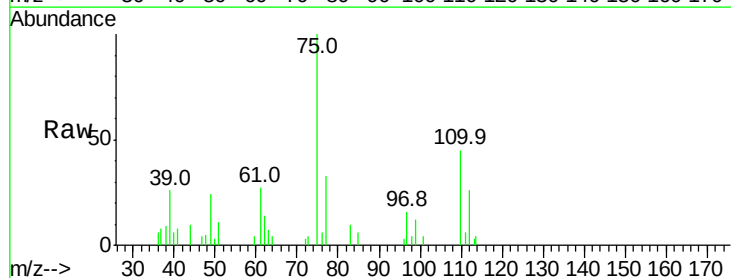
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.566

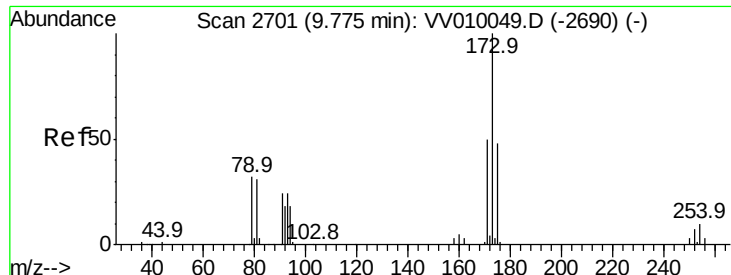
Tgt Ion: 83 Resp: 7638
 Ion Ratio Lower Upper
 83 100
 85 65.5 45.7 84.9
 131 12.4 8.8 13.2



#59
 1,2,3-Trichloropropane
 Concen: 2.371 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VV010053.D
 Acq: 01 Apr 2019 17:45

Tgt Ion: 75 Resp: 5719
 Ion Ratio Lower Upper
 75 100
 77 36.2 25.8 38.6





#62

Bromoform

Concen: 2.268 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VV010053.D

Acq: 01 Apr 2019 17:45

Instrument :

MSVOA_V

ClientSampled :

VSTD2.566

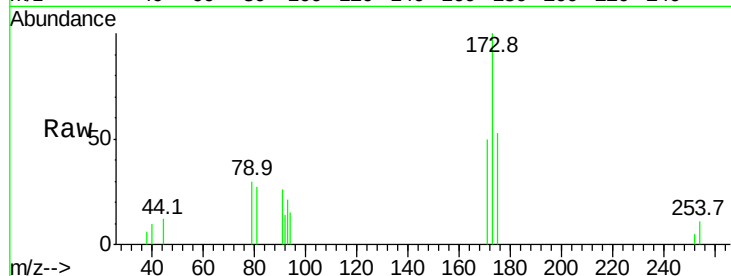
Tgt Ion:173 Resp: 3355

Ion Ratio Lower Upper

173 100

175 47.7 38.6 58.0

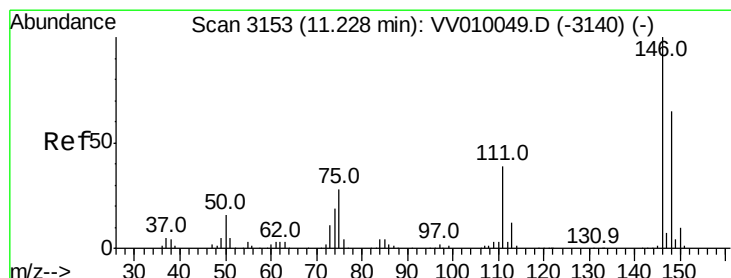
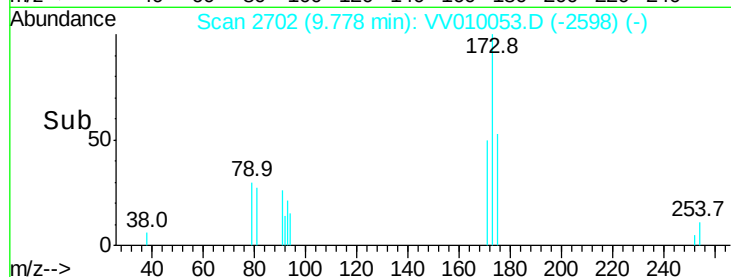
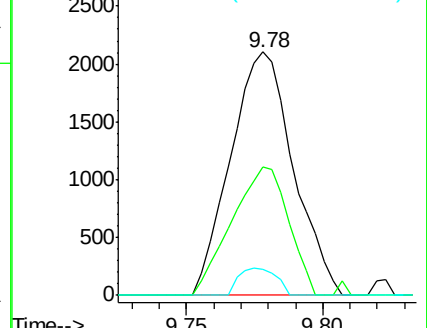
254 6.7 7.6 11.4#



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: 2.380 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. 0.00 min

Lab File: VV010053.D

Acq: 01 Apr 2019 17:45

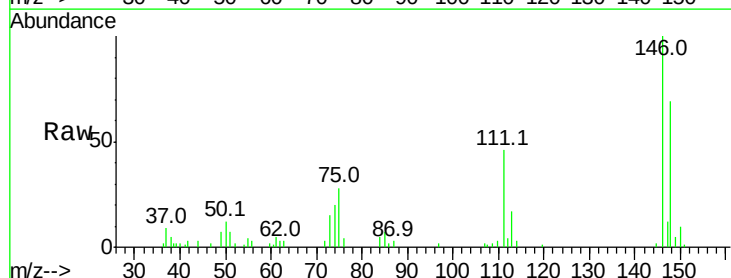
Tgt Ion:146 Resp: 15200

Ion Ratio Lower Upper

146 100

111 46.1 27.4 51.0

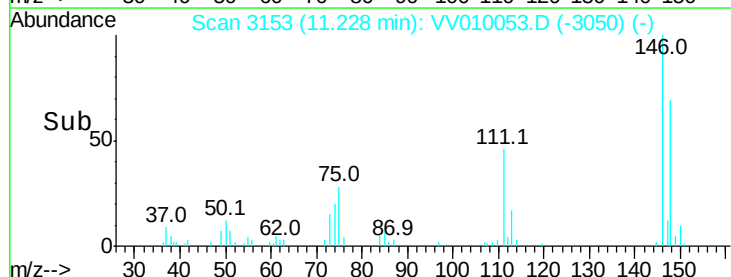
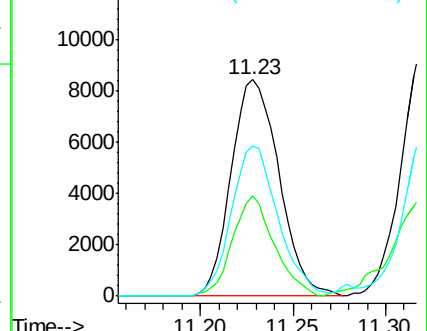
148 69.5 45.8 85.2

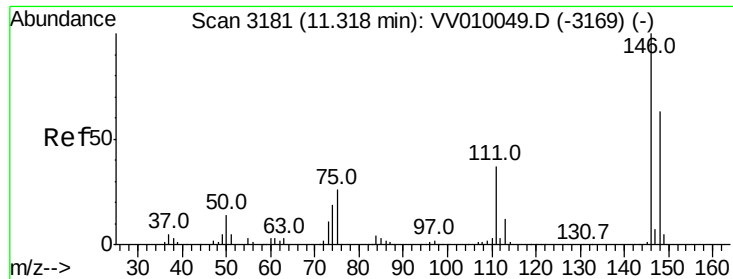


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#64

1,4-Dichlorobenzene

Concen: 2.564 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VV010053.D

Acq: 01 Apr 2019 17:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.566

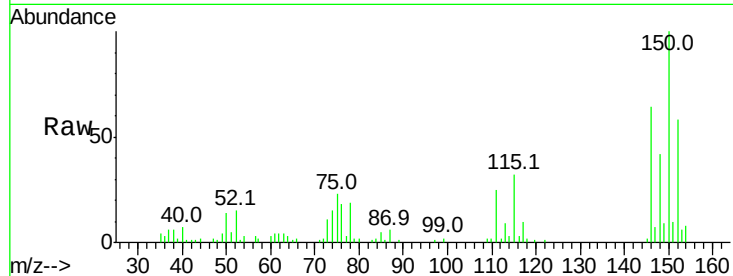
Tgt Ion:146 Resp: 17220

Ion Ratio Lower Upper

146 100

111 39.9 26.2 48.8

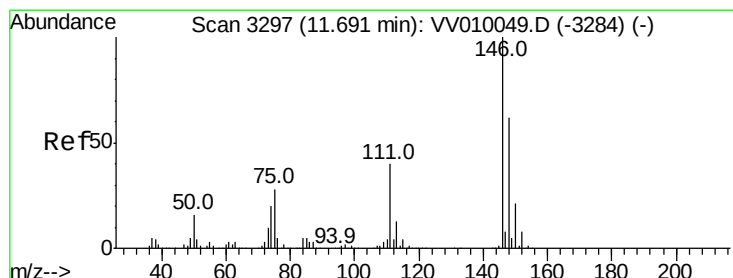
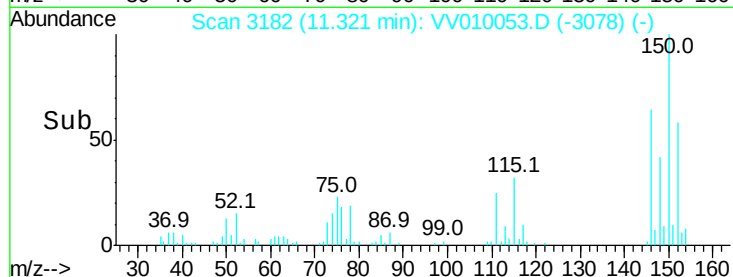
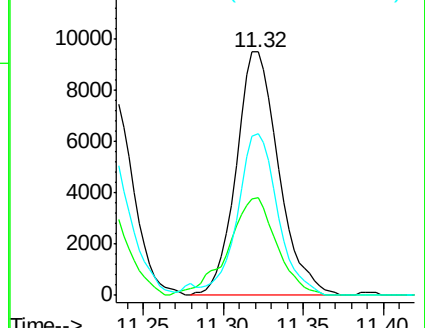
148 66.3 44.1 81.9



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



#65

1,2-Dichlorobenzene

Concen: 2.507 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV010053.D

Acq: 01 Apr 2019 17:45

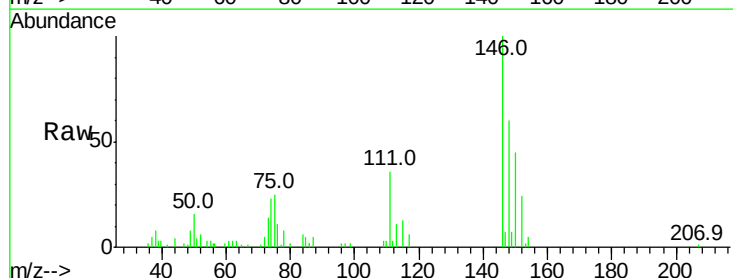
Tgt Ion:146 Resp: 15803

Ion Ratio Lower Upper

146 100

111 36.3 32.2 48.4

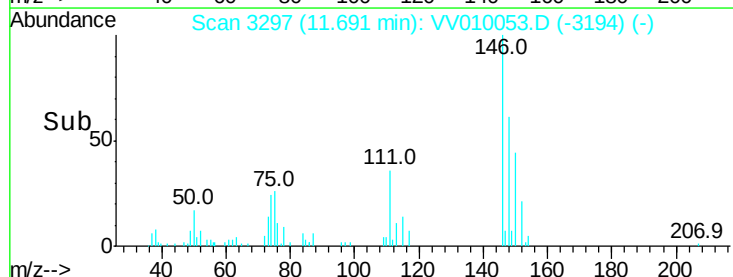
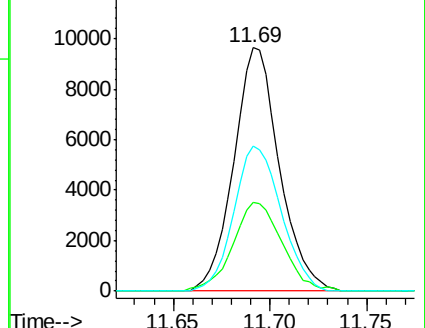
148 59.7 49.9 74.9

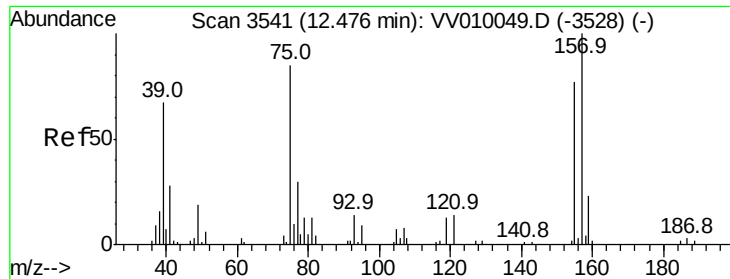


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

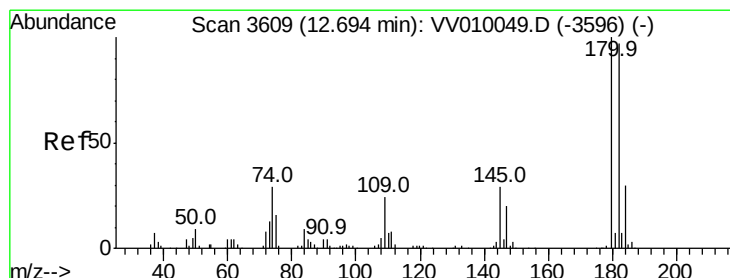
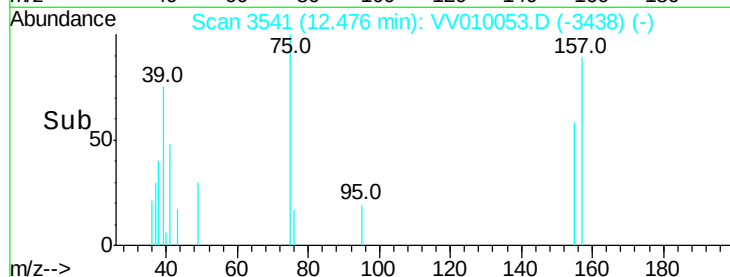
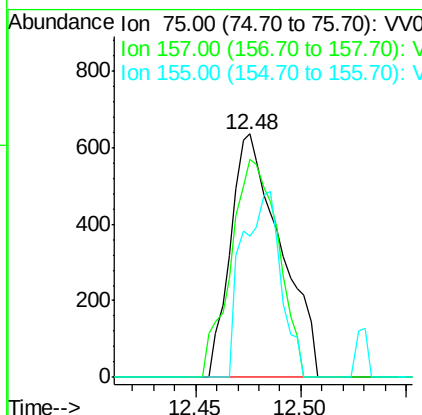
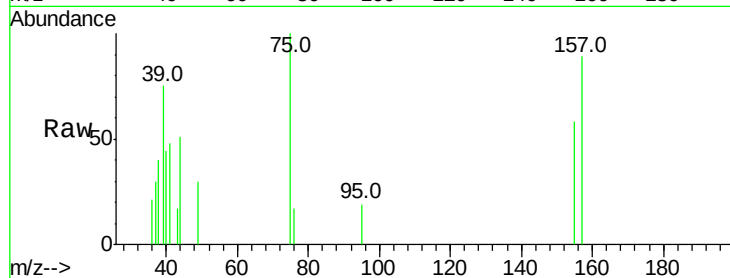




#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.559 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. 0.00 min
 Lab File: VV010053.D
 Acq: 01 Apr 2019 17:45

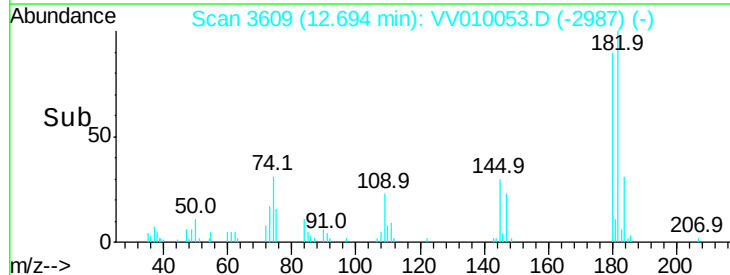
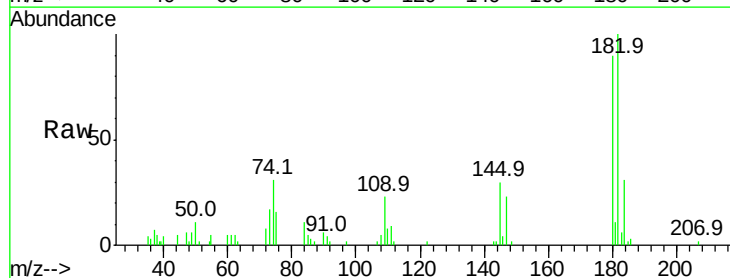
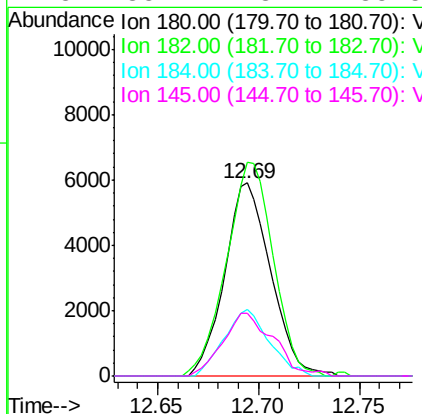
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.566

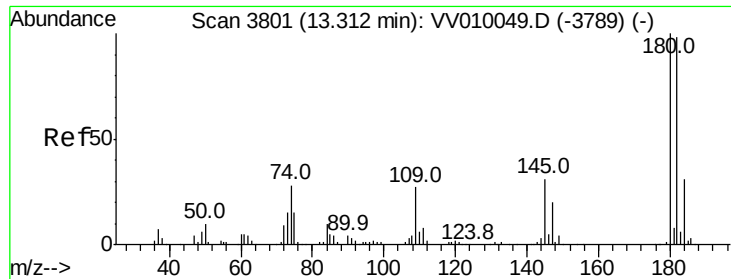
Tgt Ion: 75 Resp: 1040
 Ion Ratio Lower Upper
 75 100
 157 89.5 94.2 141.4#
 155 58.0 72.2 108.4#



#67
 1,3,5-Trichlorobenzene
 Concen: 2.002 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV010053.D
 Acq: 01 Apr 2019 17:45

Tgt Ion: 180 Resp: 9428
 Ion Ratio Lower Upper
 180 100
 182 112.7 77.3 115.9
 184 33.9 24.3 36.5
 145 35.4 23.7 35.5

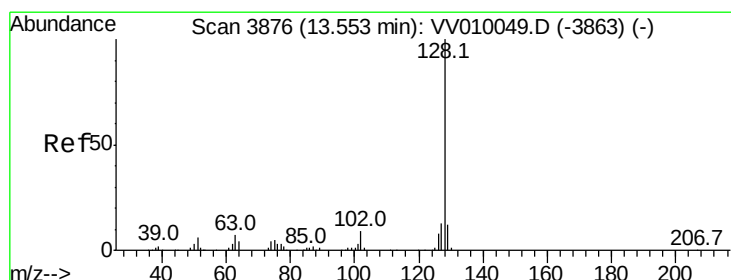
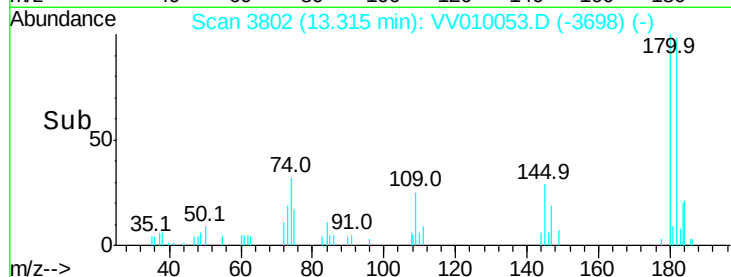
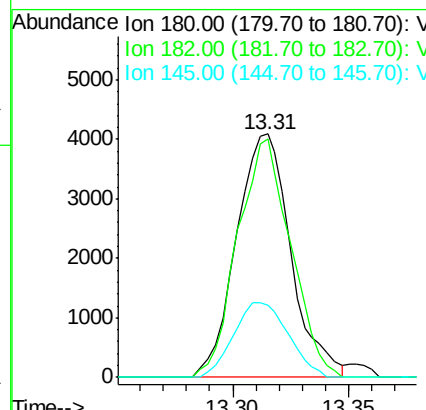
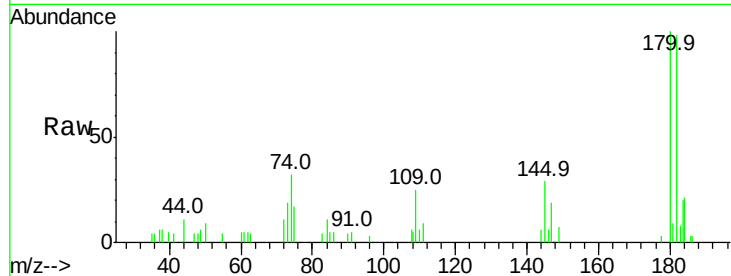




#68
 1,2,4-trichlorobenzene
 Concen: 1.941 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV010053.D
 Acq: 01 Apr 2019 17:45

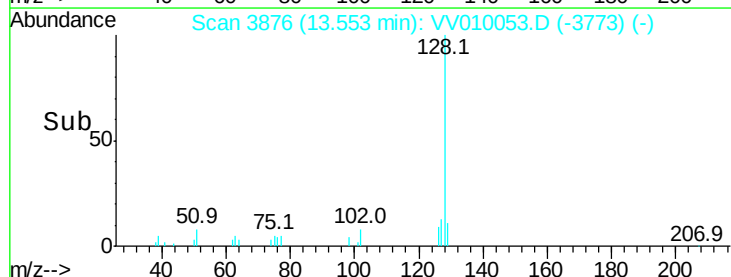
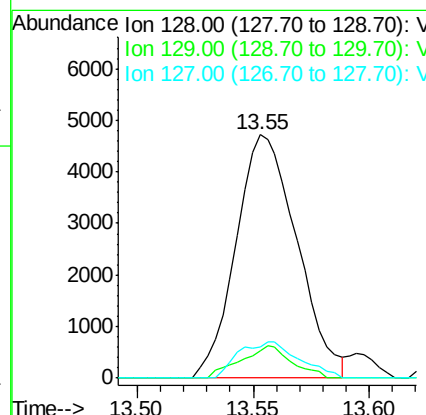
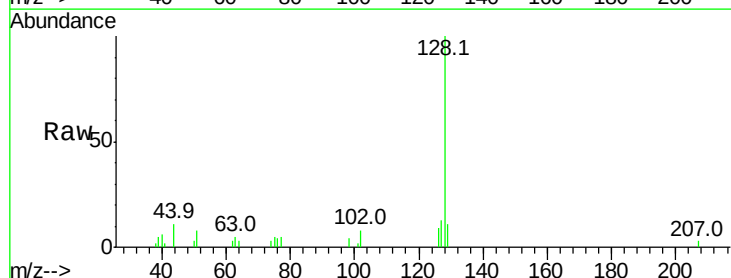
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.566

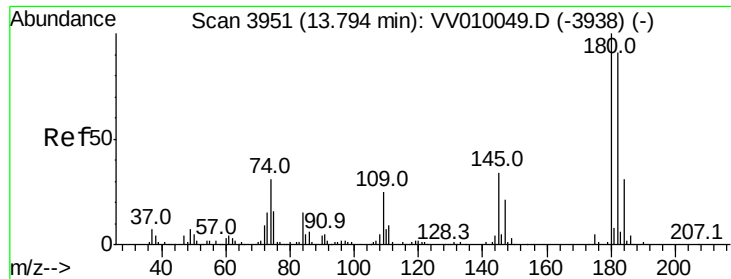
Tgt Ion:180 Resp: 6668
 Ion Ratio Lower Upper
 180 100
 182 95.4 76.8 115.2
 145 30.8 25.1 37.7



#69
 Naphthalene
 Concen: 1.596 ug/L
 RT: 13.55 min Scan# 3876
 Delta R.T. 0.00 min
 Lab File: VV010053.D
 Acq: 01 Apr 2019 17:45

Tgt Ion:128 Resp: 8616
 Ion Ratio Lower Upper
 128 100
 129 11.2 8.8 13.2
 127 10.0 10.6 15.8#

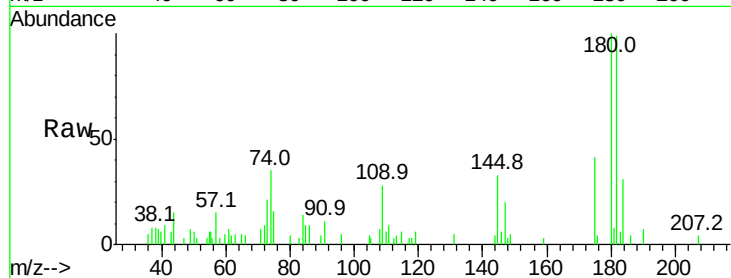




#70
 1,2,3-Trichlorobenzene
 Concen: 1.804 ug/L
 RT: 13.80 min Scan# 3952
 Delta R.T. 0.00 min
 Lab File: VV010053.D
 Acq: 01 Apr 2019 17:45

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.566

Tgt Ion:180 Resp: 5807
 Ion Ratio Lower Upper
 180 100
 182 104.5 74.2 111.2
 145 16.5 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

