

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092718\
 Data File : VV007893.D
 Acq On : 26 Sep 2018 19:56
 Operator : SY/MD
 Sample : VSTD010
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 27 06:43:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR092718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Sep 27 06:42:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	95088	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	93208	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	52300	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	51423	12.42	ug/L	0.00
7) Chloroethane-d5	1.59	69	43944	11.63	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.14	63	115788	11.05	ug/L	0.00
20) 2-Butanone-d5	3.96	46	172409	160.06	ug/L	-0.02
24) Chloroform-d	4.41	84	118896	12.28	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	65479	13.38	ug/L	0.00
32) Benzene-d6	5.10	84	230721	12.14	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.13	67	72072	12.65	ug/L	0.00
41) Toluene-d8	7.36	98	236014	11.99	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	28871	12.84	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	142731	158.13	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	59354	12.78	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	98088	11.20	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	77358	10.071	ug/L 98
3) Chloromethane	1.25	50	68447	11.035	ug/L 97
5) Vinyl chloride	1.32	62	74229	10.533	ug/L 98
6) Bromomethane	1.54	94	45938	9.926	ug/L 99
8) Chloroethane	1.60	64	43769	9.614	ug/L 99
9) Trichlorofluoromethane	1.77	101	123327	8.787	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	69519	9.056	ug/L 99
12) 1,1-Dichloroethene	2.14	96	61016	8.987	ug/L 98
13) Acetone	2.22	43	107753	108.902	ug/L 99
14) Carbon disulfide	2.32	76	164608	9.154	ug/L 100
15) Methyl Acetate	2.47	43	27753	11.619	ug/L 99
16) Methylene chloride	2.54	84	65167	9.328	ug/L 94
17) Methyl tert-butyl Ether	2.82	73	157274	9.839	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	65138	8.762	ug/L 98
19) 1,1-Dichloroethane	3.23	63	111401	10.543	ug/L 98
21) 2-Butanone	4.05	43	183460	139.836	ug/L 99
22) cis-1,2-Dichloroethene	3.97	96	70754	10.399	ug/L 97
23) Bromochloromethane	4.31	128	31266	10.209	ug/L 98
25) Chloroform	4.43	83	128463	11.314	ug/L 98
27) 1,2-Dichloroethane	5.19	62	82967	11.911	ug/L 100
29) 1,1,1-Trichloroethane	4.66	97	112133	10.147	ug/L 100
30) Cyclohexane	4.73	56	104870	10.890	ug/L 99
31) Carbon tetrachloride	4.88	117	100903	10.064	ug/L 99
33) Benzene	5.15	78	266488	10.592	ug/L 100
34) Trichloroethene	5.96	95	72801	9.940	ug/L 97
35) Methylcyclohexane	6.18	83	115685	10.282	ug/L 99
37) 1,2-Dichloropropane	6.23	63	67062	10.950	ug/L 100
38) Bromodichloromethane	6.56	83	84412	10.651	ug/L 99
39) cis-1,3-Dichloropropene	7.08	75	96422	11.117	ug/L 99
40) 4-Methyl-2-pentanone	7.28	43	466562	136.859	ug/L 99

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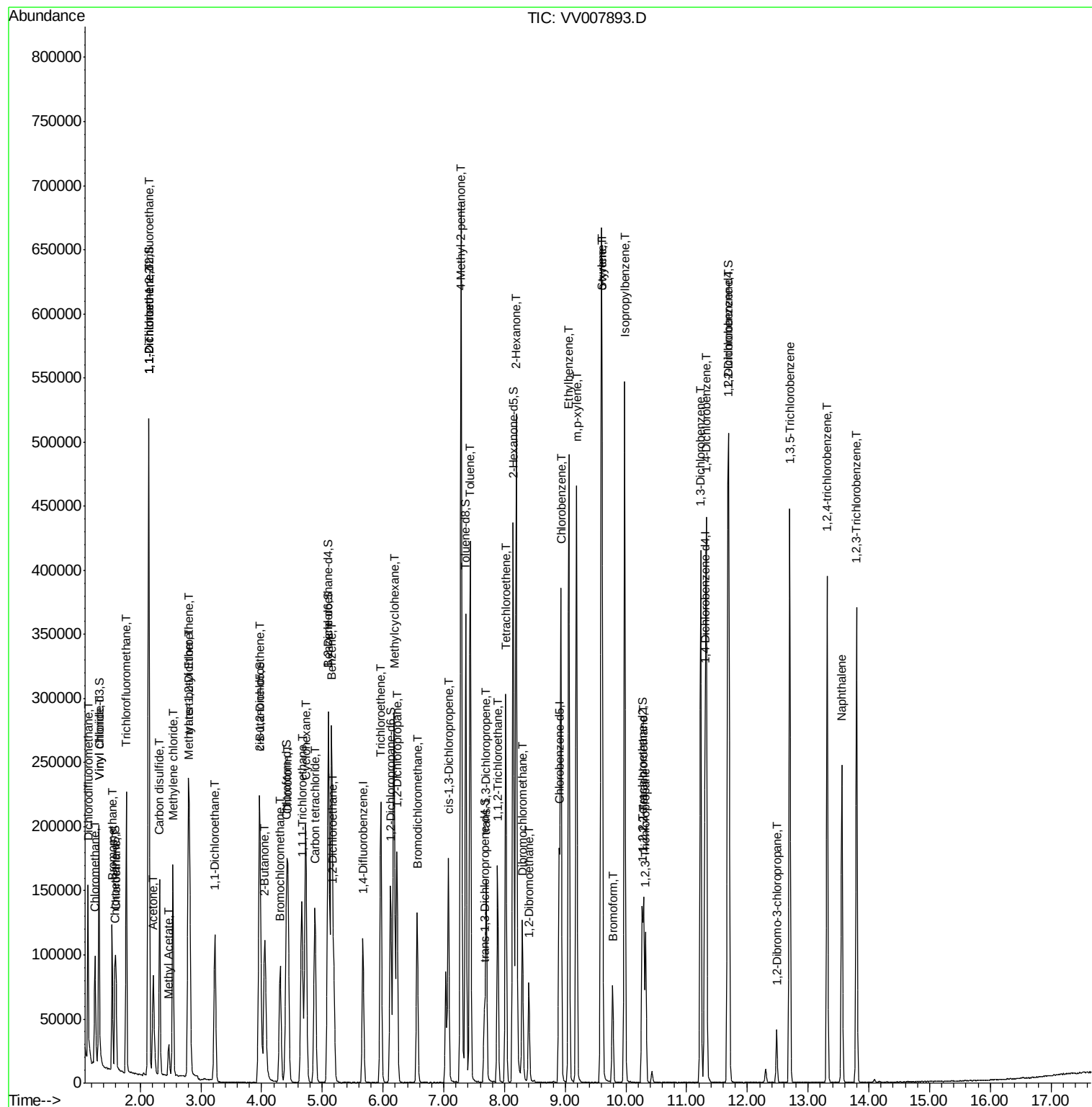
42) Toluene	7.44	91	295797	10.455	ug/L	98
44) trans-1,3-Dichloropropene	7.70	75	82336	11.610	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	50543	10.912	ug/L	98
47) Tetrachloroethene	8.02	164	68217	9.577	ug/L	96
48) 2-Hexanone	8.19	43	337055	139.274	ug/L	99
49) Dibromochloromethane	8.30	129	61592	10.859	ug/L	98
50) 1,2-Dibromoethane	8.40	107	48481	11.084	ug/L	100
51) Chlorobenzene	8.93	112	198664	10.157	ug/L	98
52) Ethylbenzene	9.06	91	332324	10.387	ug/L	100
53) m,p-xylene	9.18	106	128762	10.332	ug/L	97
54) o-xylene	9.59	106	123814	10.119	ug/L	98
55) Styrene	9.61	104	217004	10.744	ug/L	99
56) Isopropylbenzene	9.98	105	339210	10.144	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	61549	11.545	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	44821	11.931	ug/L	98
61) Bromoform	9.78	173	33816	10.295	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	168273	9.716	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	172417	9.859	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	161207	9.897	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	9005	11.964	ug/L	89
67) 1,3,5-Trichlorobenzene	12.70	180	144608	9.678	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	123409	10.112	ug/L	99
69) Naphthalene	13.56	128	188825	10.450	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	114553	10.129	ug/L	98

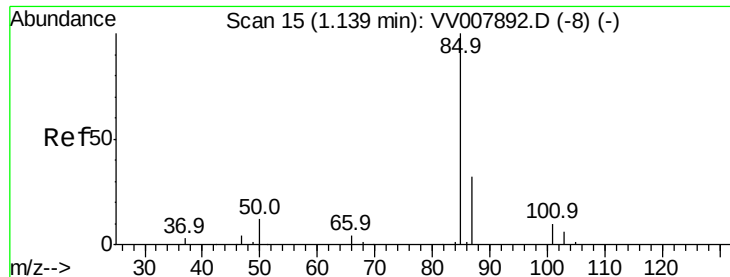
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 10.071 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV007893.D

Acq: 26 Sep 2018 19:56

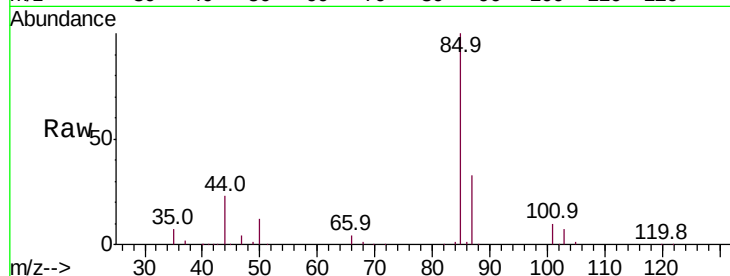
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 77358

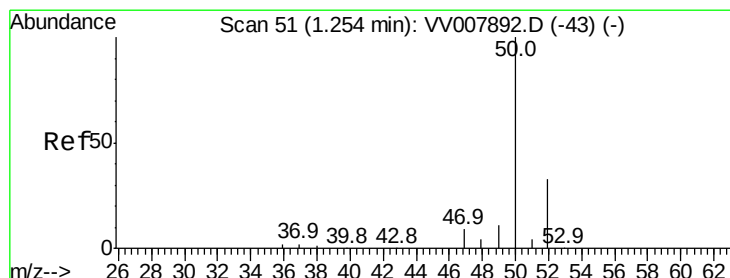
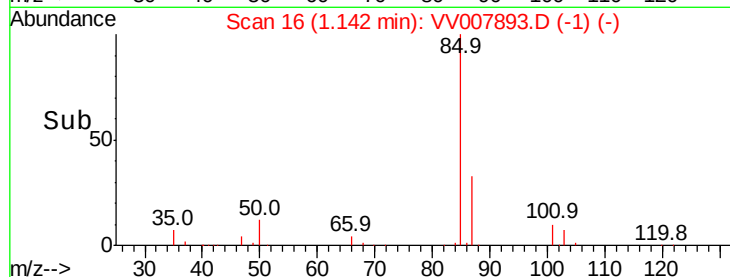
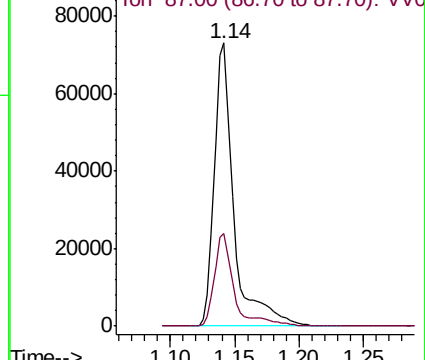
Ion Ratio Lower Upper

85 100

87 32.6 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VV007893.D (-1) (-)
Ion 87.00 (86.70 to 87.70): VV007893.D (-1) (-)



#3

Chloromethane

Concen: 11.035 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV007893.D

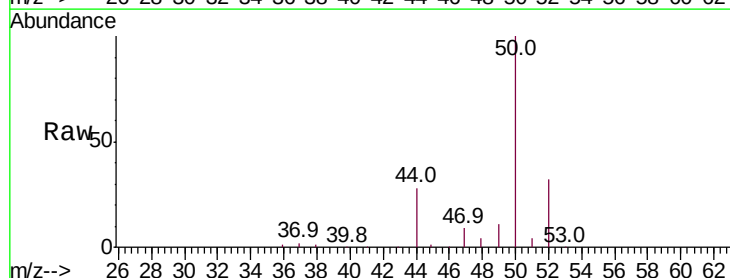
Acq: 26 Sep 2018 19:56

Tgt Ion: 50 Resp: 68447

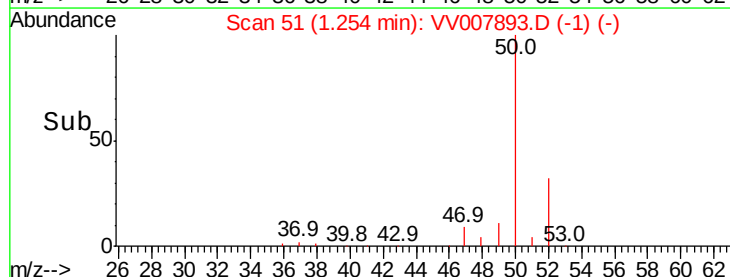
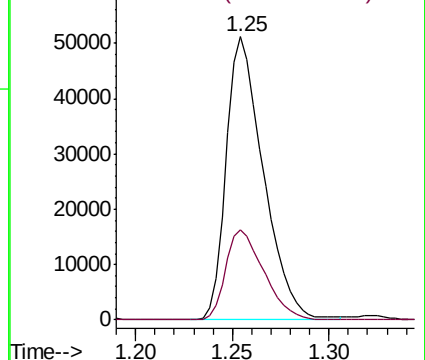
Ion Ratio Lower Upper

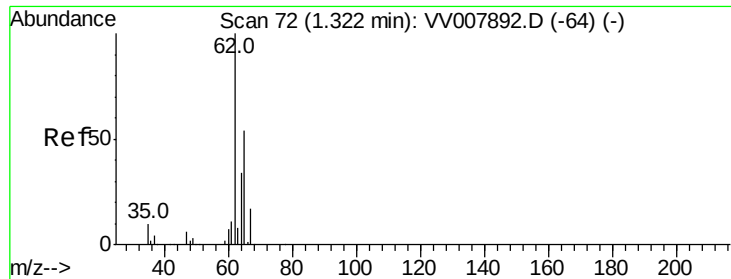
50 100

52 31.9 23.4 43.4



Abundance Ion 50.05 (49.75 to 50.75): VV007893.D (-1) (-)
Ion 52.05 (51.75 to 52.75): VV007893.D (-1) (-)





#5

Vinyl chloride

Concen: 10.533 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV007893.D

Acq: 26 Sep 2018 19:56

Instrument :

MSVOA_V

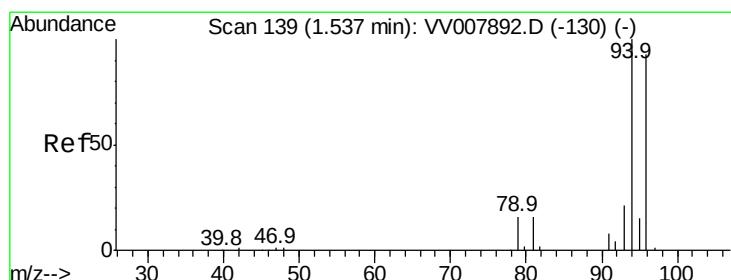
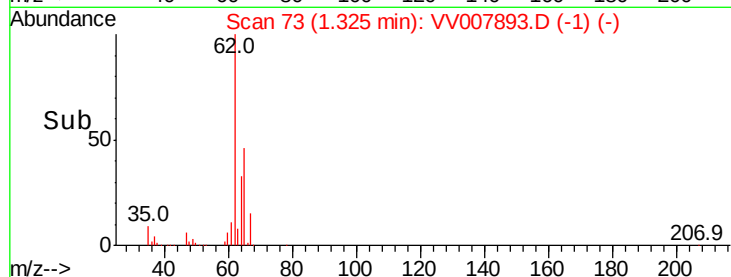
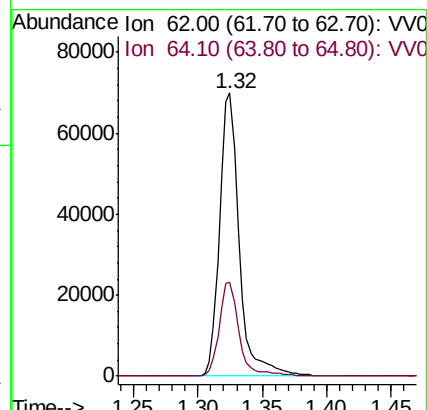
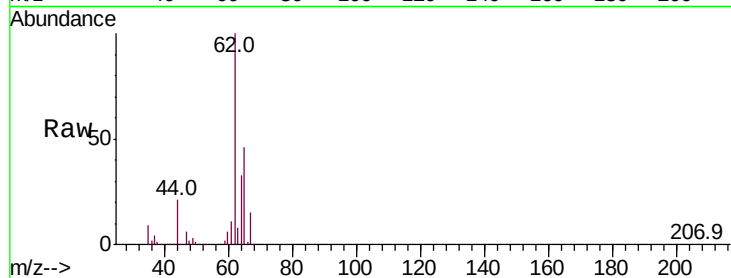
ClientSampleId :

Tot Ion: 62 Resp: 74229

Ion Ratio Lower Upper

62 100

64 33.1 24.0 44.6



#6

Bromomethane

Concen: 9.926 ug/L

RT: 1.54 min Scan# 140

Delta R.T. 0.00 min

Lab File: VV007893.D

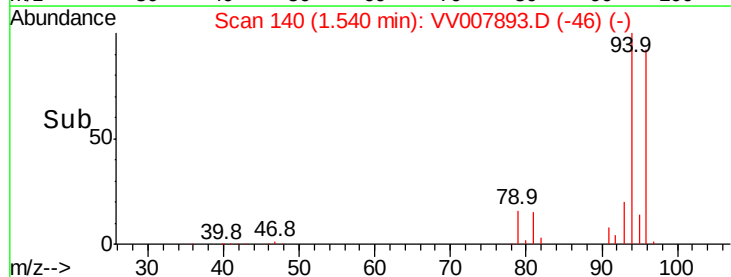
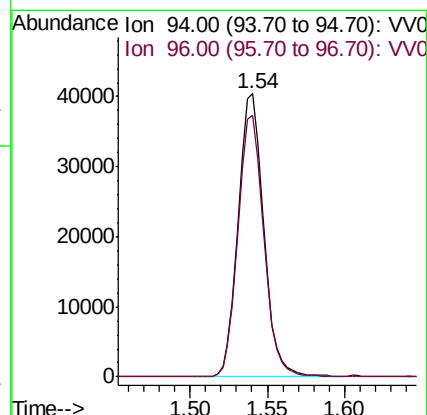
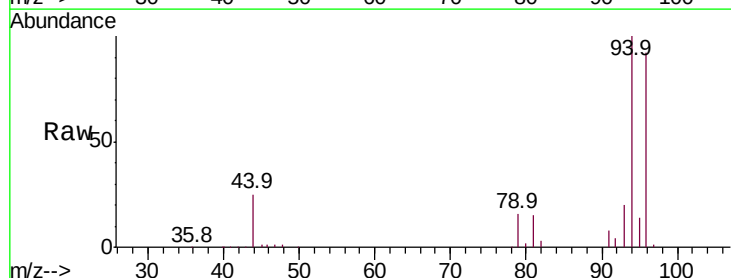
Acq: 26 Sep 2018 19:56

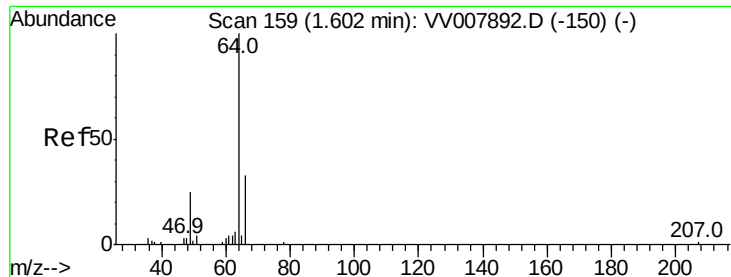
Tgt Ion: 94 Resp: 45938

Ion Ratio Lower Upper

94 100

96 92.3 65.2 121.2





#8

Chloroethane

Concen: 9.614 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.00 min

Lab File: VV007893.D

Acq: 26 Sep 2018 19:56

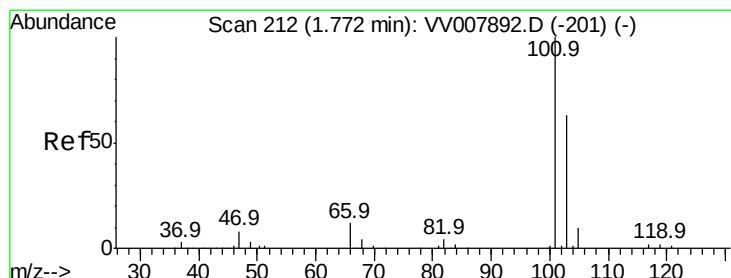
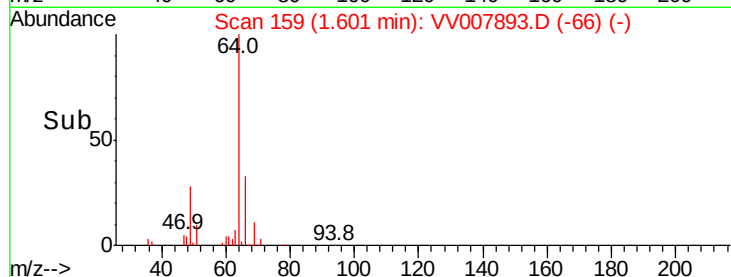
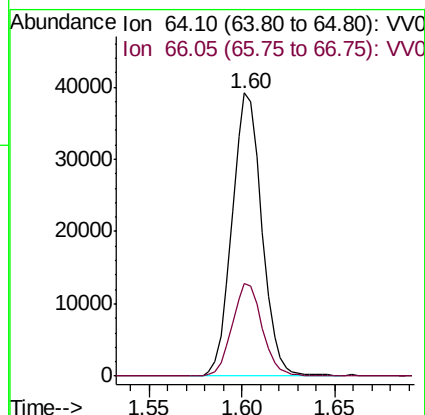
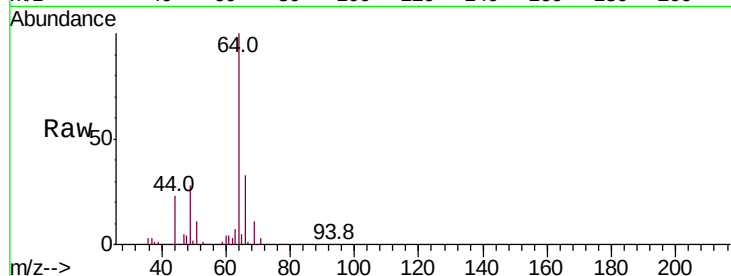
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 43769

Ion Ratio Lower Upper

64 100

66 32.7 23.1 42.9



#9

Trichlorofluoromethane

Concen: 8.787 ug/L

RT: 1.77 min Scan# 212

Delta R.T. -0.00 min

Lab File: VV007893.D

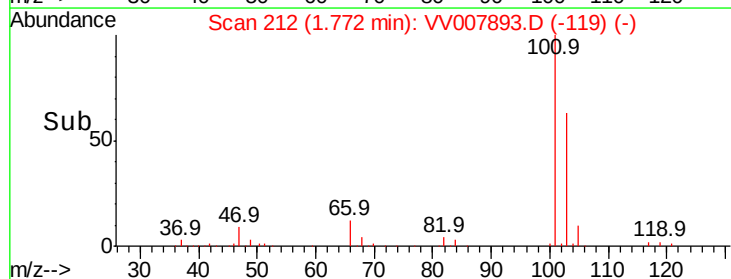
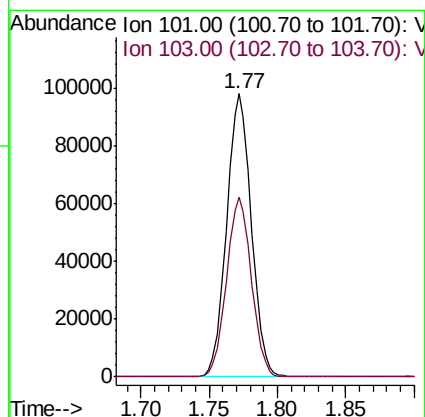
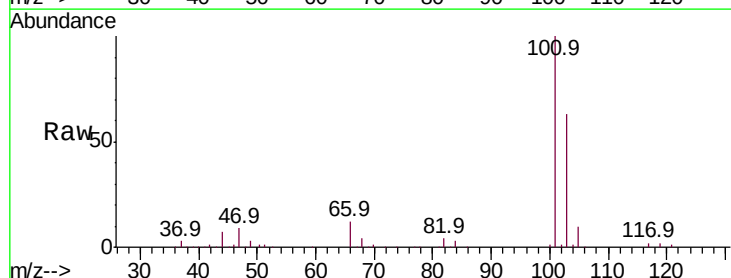
Acq: 26 Sep 2018 19:56

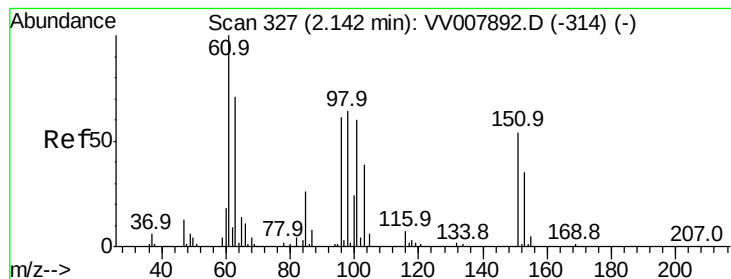
Tgt Ion: 101 Resp: 123327

Ion Ratio Lower Upper

101 100

103 64.0 51.5 77.3





#10

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

Concen: 9.056 ug/L

RT: 2.14 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV007893.D

Acq: 26 Sep 2018 19:56

Instrument :

MSVOA_V

ClientSampleId :

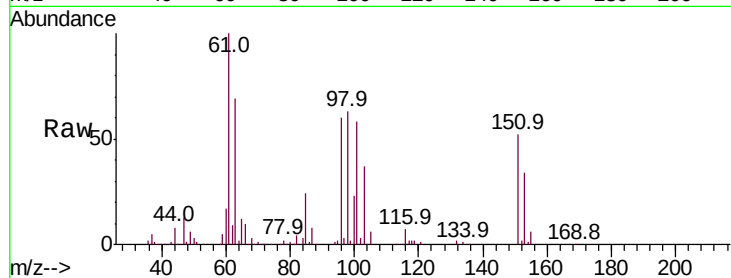
Tot Ion:101 Resp: 69519

Ion Ratio Lower Upper

101 100

85 42.9 34.7 52.1

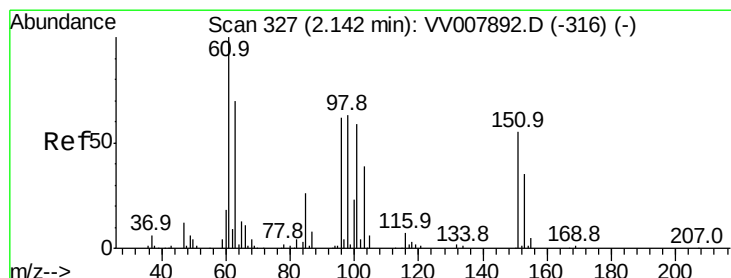
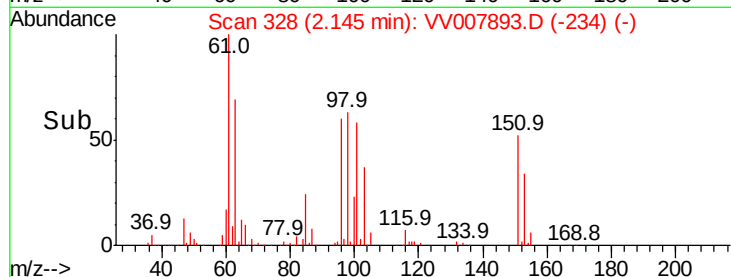
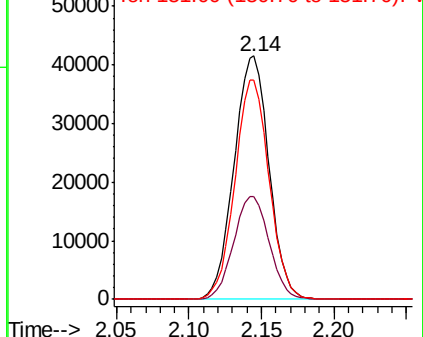
151 88.5 72.2 108.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 8.987 ug/L

RT: 2.14 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV007893.D

Acq: 26 Sep 2018 19:56

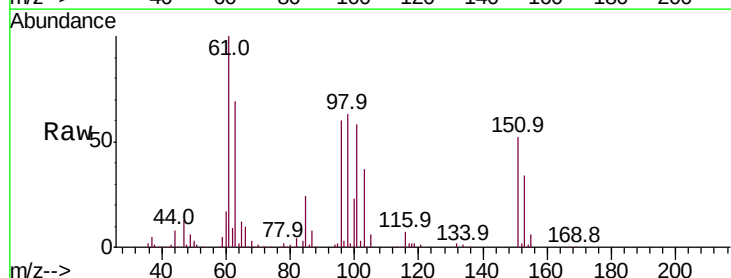
Tgt Ion: 96 Resp: 61016

Ion Ratio Lower Upper

96 100

61 165.3 114.1 211.9

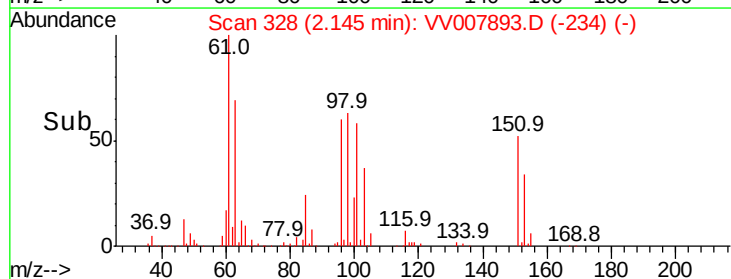
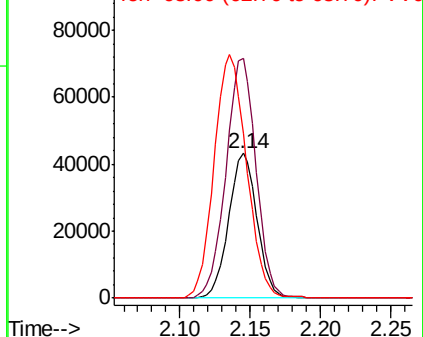
63 113.3 81.5 151.3

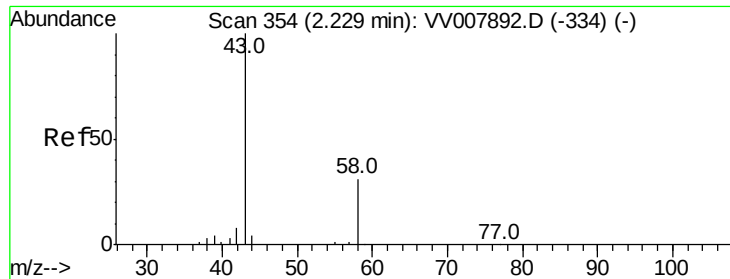


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 108.902 ug/L

RT: 2.22 min Scan# 350

Delta R.T. -0.01 min

Lab File: VV007893.D

Acq: 26 Sep 2018 19:56

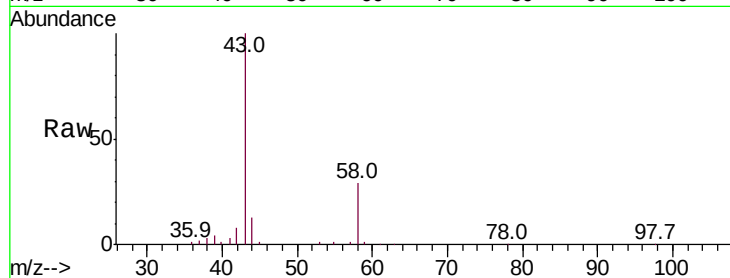
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 107753

Ion Ratio Lower Upper

43 100

58 30.7 0.0 62.0



Abundance Ion 43.05 (42.75 to 43.75): VV007892.D (-334) (-)

Ion 58.05 (57.75 to 58.75): VV007892.D (-334) (-)

2.22

50000

40000

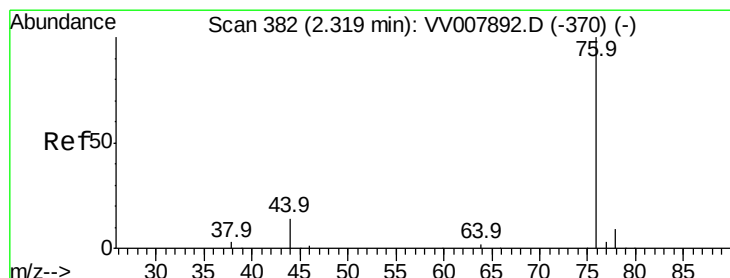
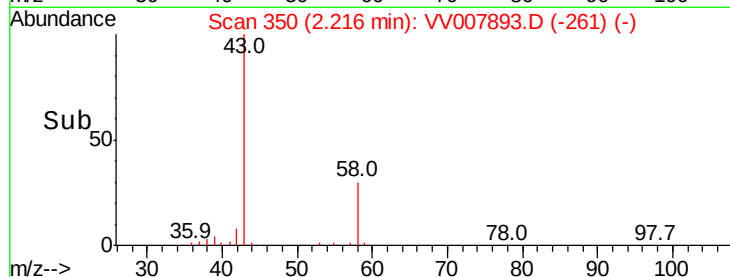
30000

20000

10000

0

Time-->



#14

Carbon disulfide

Concen: 9.154 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VV007893.D

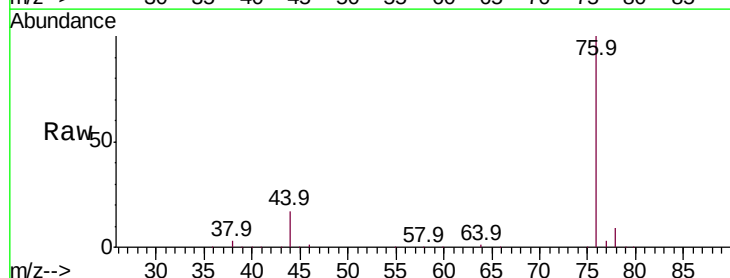
Acq: 26 Sep 2018 19:56

Tgt Ion: 76 Resp: 164608

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VV007892.D (-370) (-)

Ion 78.00 (77.70 to 78.70): VV007892.D (-370) (-)

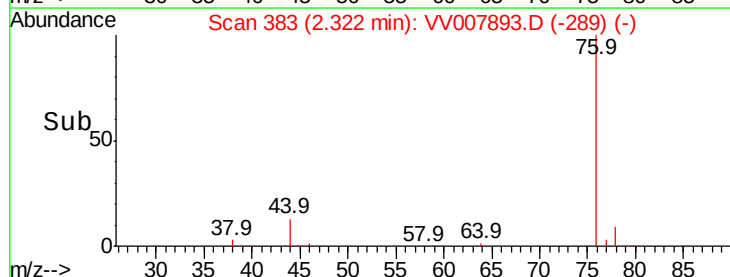
2.32

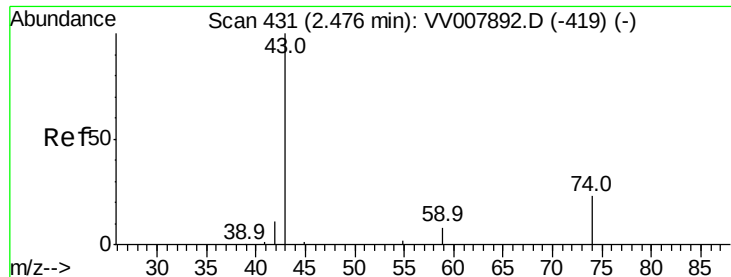
100000

50000

0

Time-->

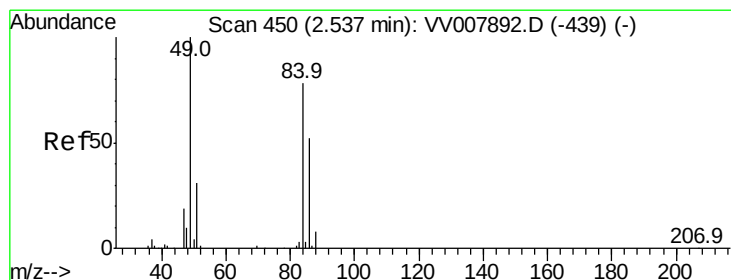
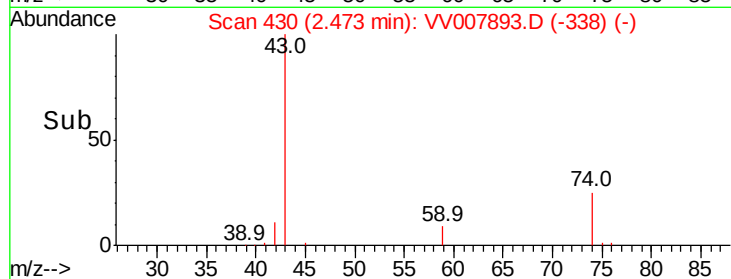
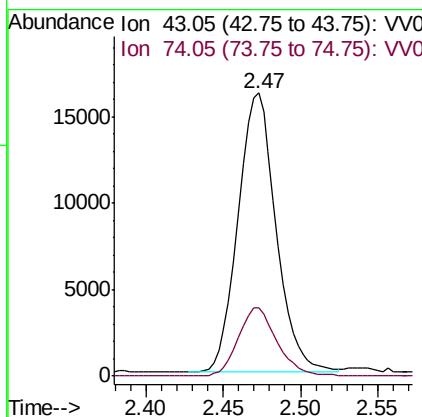
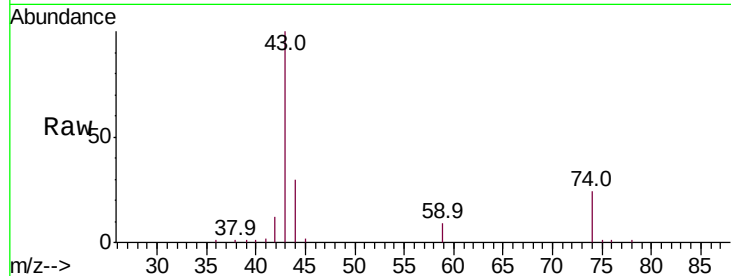




#15
Methvl Acetate
Concen: 11.619 ug/L
RT: 2.47 min Scan# 430
Delta R.T. -0.00 min
Lab File: VV007893.D
Acq: 26 Sep 2018 19:56

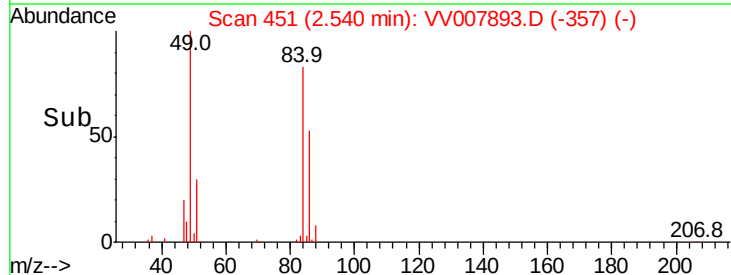
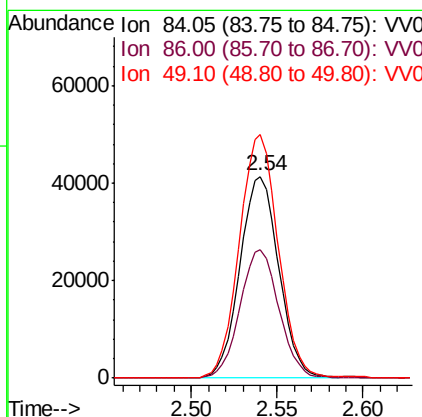
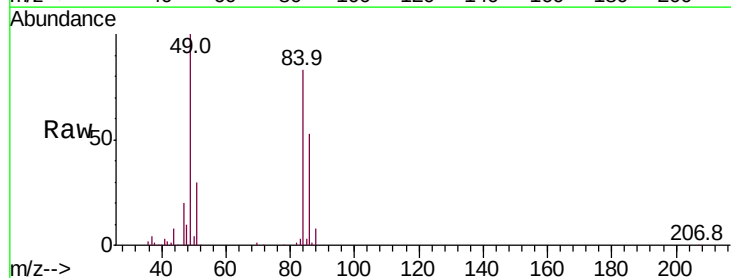
Instrument :
MSVOA_V
ClientSampleId :

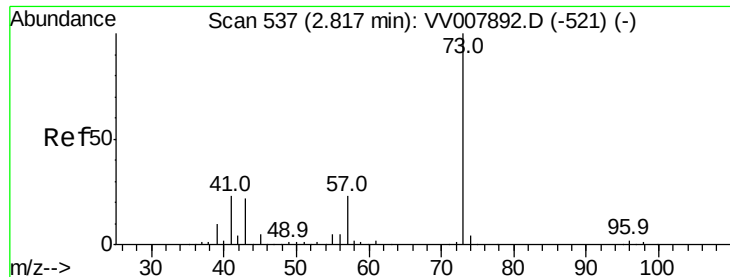
Tot Ion: 43 Resp: 27753
Ion Ratio Lower Upper
43 100
74 24.7 19.5 29.3



#16
Methylene chloride
Concen: 9.328 ug/L
RT: 2.54 min Scan# 451
Delta R.T. 0.00 min
Lab File: VV007893.D
Acq: 26 Sep 2018 19:56

Tgt Ion: 84 Resp: 65167
Ion Ratio Lower Upper
84 100
86 63.8 47.3 87.8
49 120.7 90.0 167.2

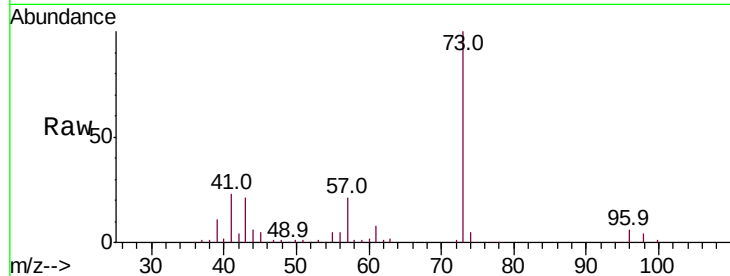




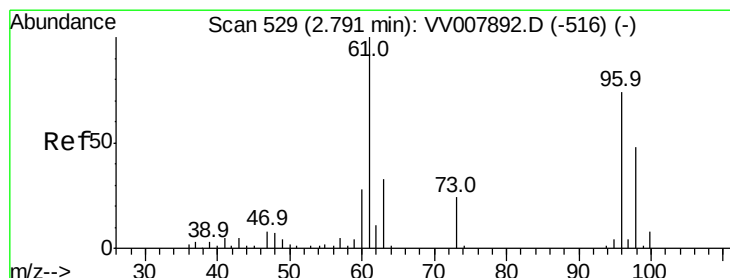
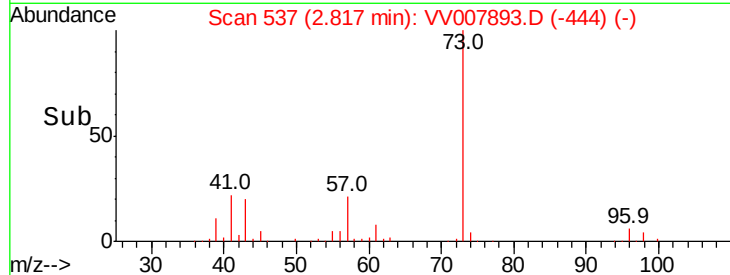
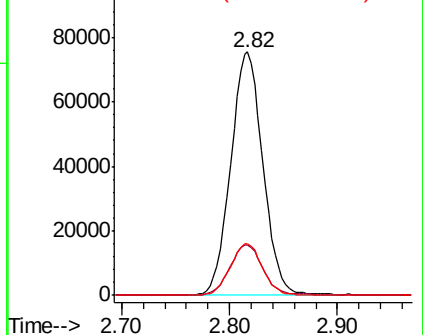
#17
Methyl tert-butyl Ether
Concen: 9.839 ug/L
RT: 2.82 min Scan# 537
Delta R.T. -0.00 min
Lab File: VV007893.D
Acq: 26 Sep 2018 19:56

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 73 Resp: 157274
Ion Ratio Lower Upper
73 100
43 20.8 16.8 25.2
57 21.2 17.6 26.4

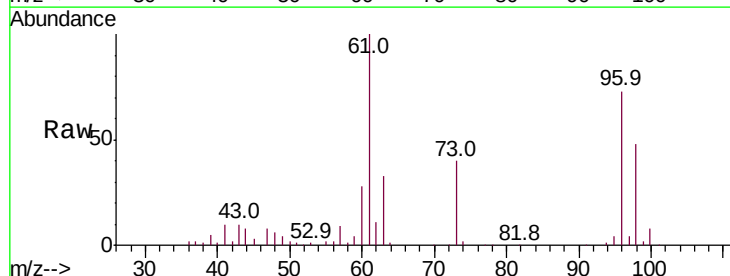


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

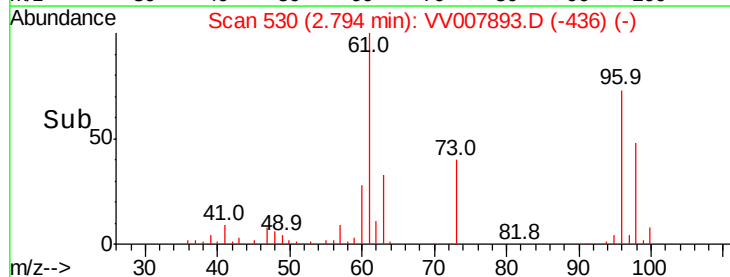
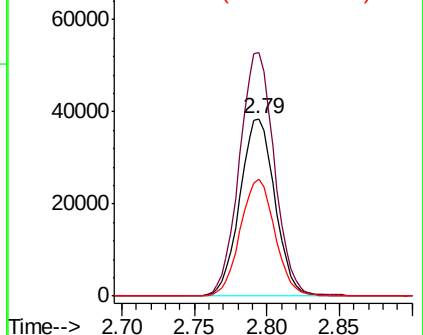


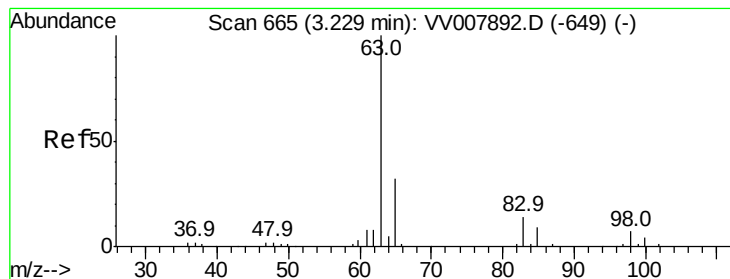
#18
trans-1,2-Dichloroethene
Concen: 8.762 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.00 min
Lab File: VV007893.D
Acq: 26 Sep 2018 19:56

Tgt Ion: 96 Resp: 65138
Ion Ratio Lower Upper
96 100
61 137.1 94.2 175.0
98 65.5 44.9 83.5



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0





#19

1,1-Dichloroethane

Concen: 10.543 ug/L

RT: 3.23 min Scan# 666

Delta R.T. 0.00 min

Lab File: VV007893.D

Acq: 26 Sep 2018 19:56

Instrument :
MSVOA_V
ClientSampled :

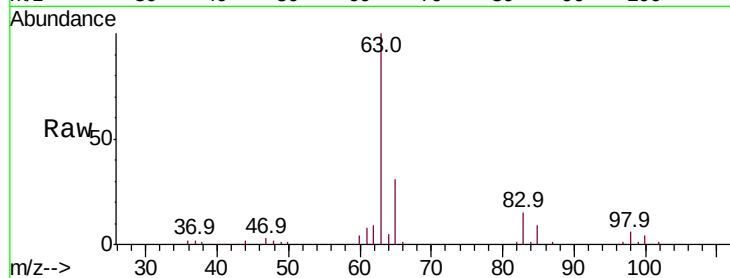
Tot Ion: 63 Resp: 111401

Ion Ratio Lower Upper

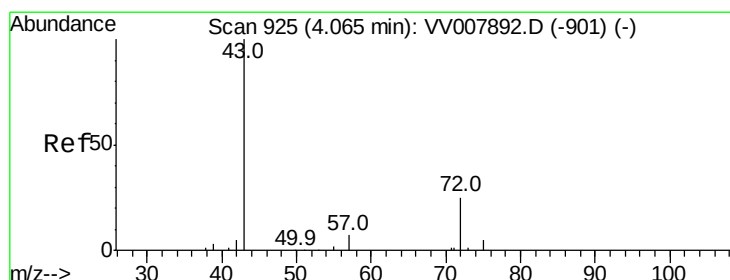
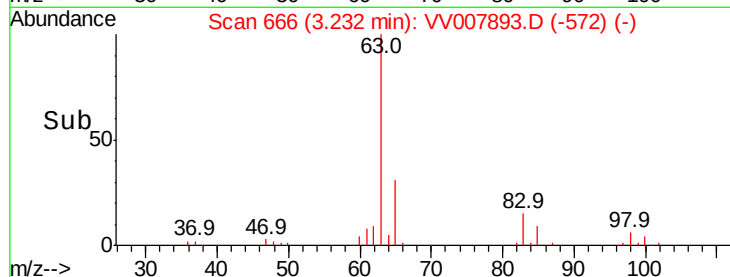
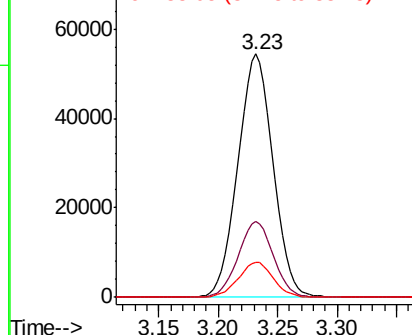
63 100

65 30.9 22.3 41.5

83 14.6 9.8 18.2



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 65.10 (64.80 to 65.80): VV0
Ion 83.05 (82.75 to 83.75): VV0



#21

2-Butanone

Concen: 139.836 ug/L

RT: 4.05 min Scan# 922

Delta R.T. -0.01 min

Lab File: VV007893.D

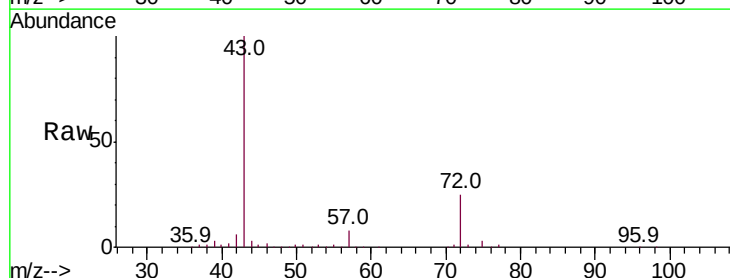
Acq: 26 Sep 2018 19:56

Tgt Ion: 43 Resp: 183460

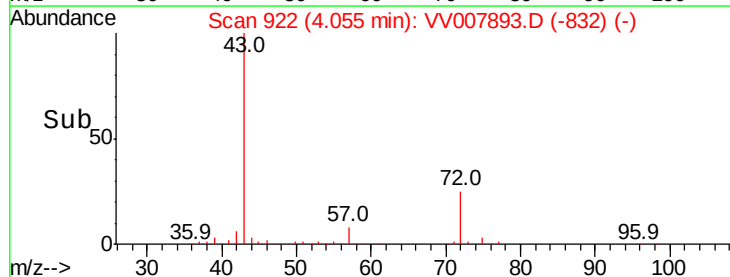
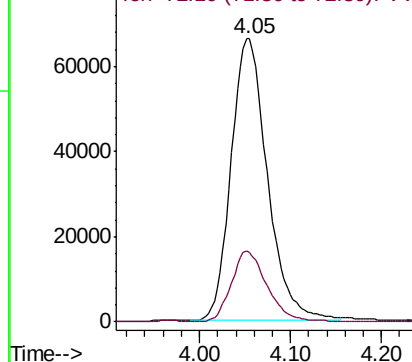
Ion Ratio Lower Upper

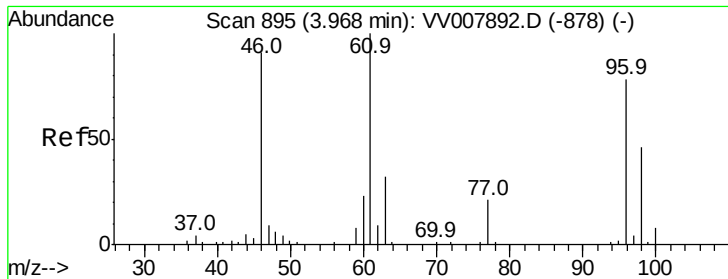
43 100

72 24.5 12.5 37.5



Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 72.10 (71.80 to 72.80): VV0



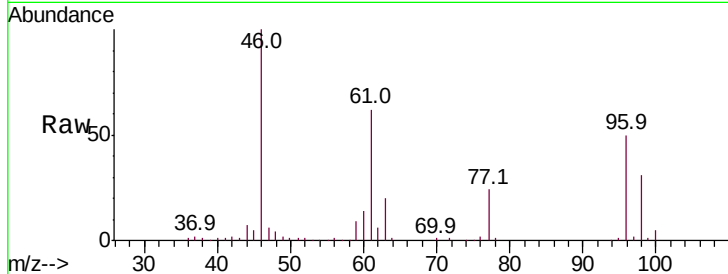


#22

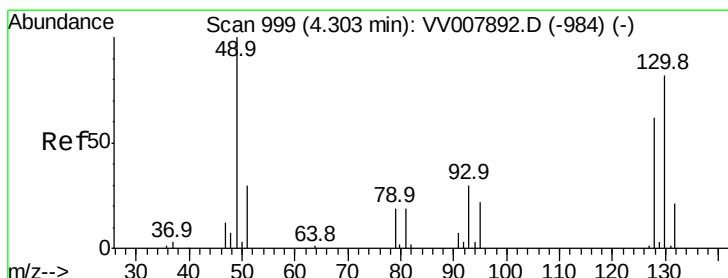
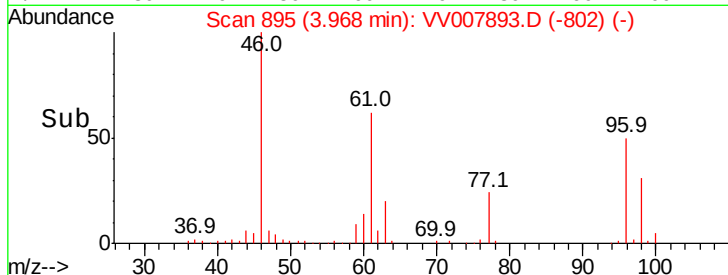
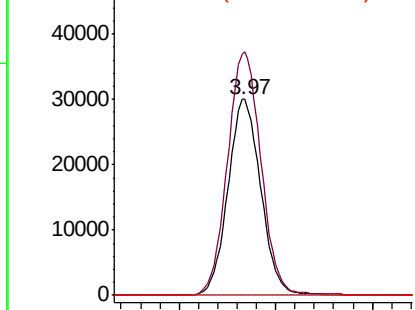
cis-1,2-Dichloroethene
Concen: 10.399 ug/L
RT: 3.97 min Scan# 895
Delta R.T. -0.00 min
Lab File: VV007893.D
Acq: 26 Sep 2018 19:56

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 96 Resp: 70754
Ion Ratio Lower Upper
96 100
61 124.3 89.5 166.1
68 0.0 0.0 0.0



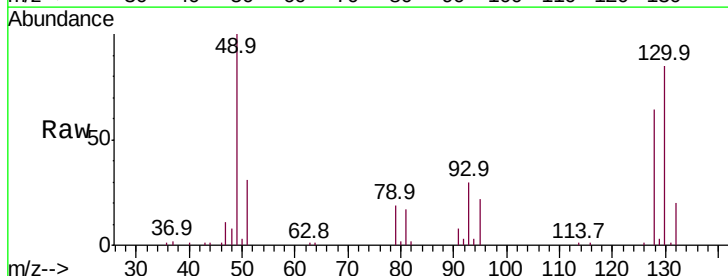
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



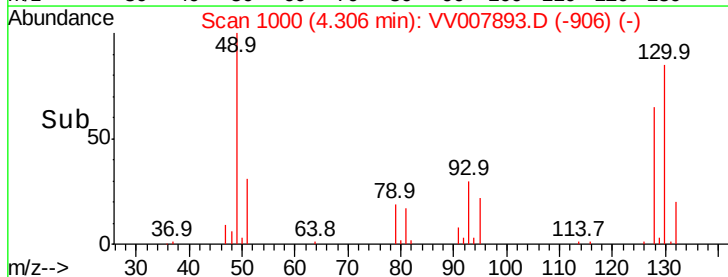
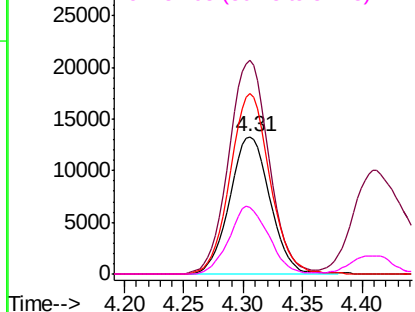
#23

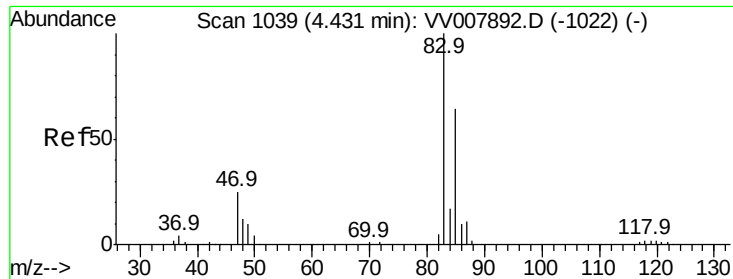
Bromochloromethane
Concen: 10.209 ug/L
RT: 4.31 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VV007893.D
Acq: 26 Sep 2018 19:56

Tgt Ion: 128 Resp: 31266
Ion Ratio Lower Upper
128 100
49 155.3 112.8 209.4
130 131.4 92.3 171.5
51 48.8 38.4 57.6



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VV0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VV0

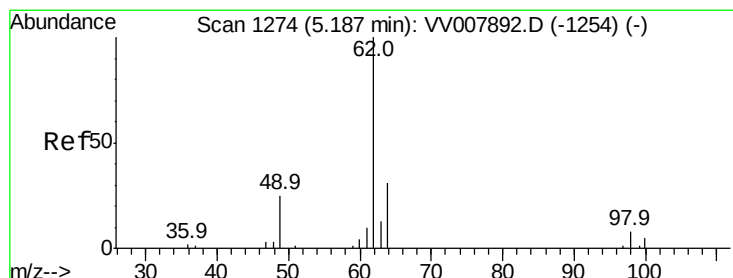
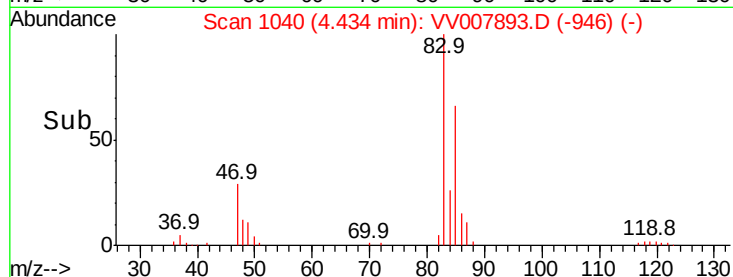
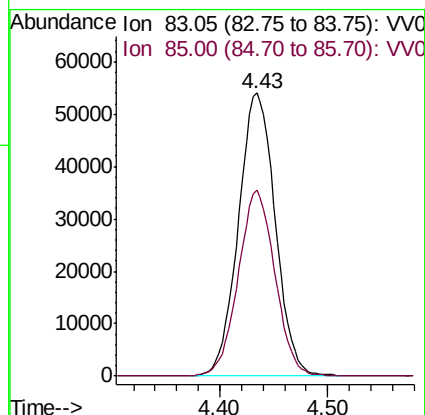
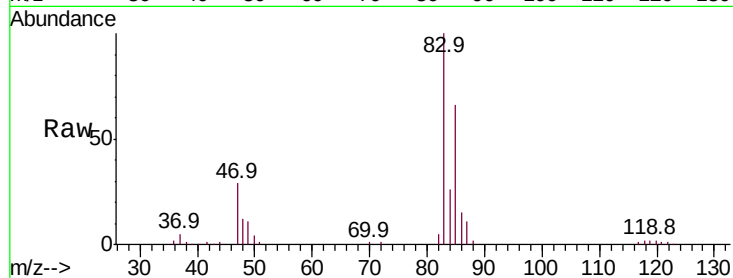




#25
Chloroform
Concen: 11.314 ug/L
RT: 4.43 min Scan# 1040
Delta R.T. 0.00 min
Lab File: VV007893.D
Acq: 26 Sep 2018 19:56

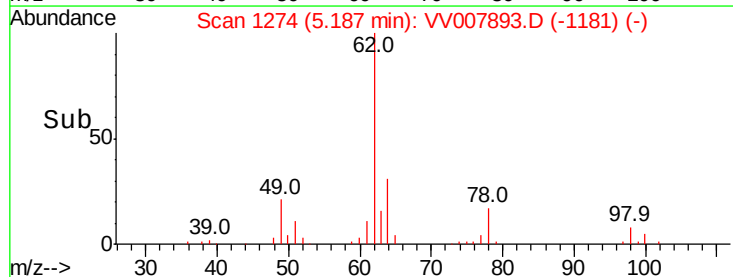
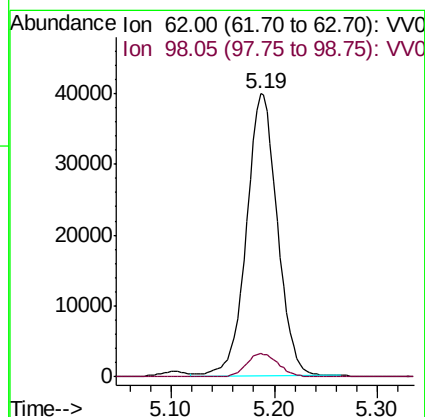
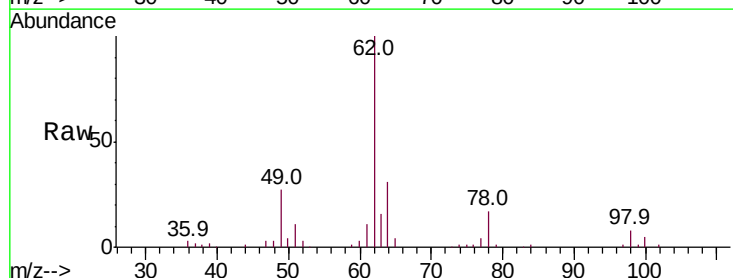
Instrument :
MSVOA_V
ClientSampled :

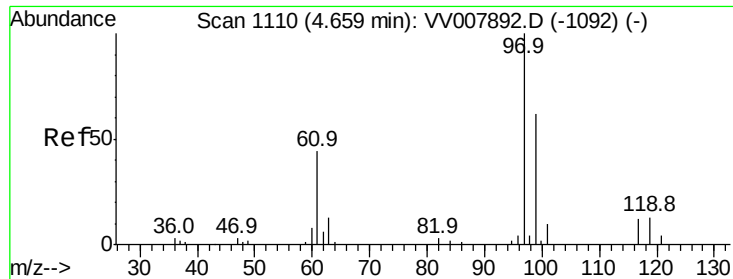
Tot Ion: 83 Resp: 128463
Ion Ratio Lower Upper
83 100
85 65.8 44.8 83.2



#27
1,2-Dichloroethane
Concen: 11.911 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. -0.00 min
Lab File: VV007893.D
Acq: 26 Sep 2018 19:56

Tgt Ion: 62 Resp: 82967
Ion Ratio Lower Upper
62 100
98 8.2 6.6 10.0

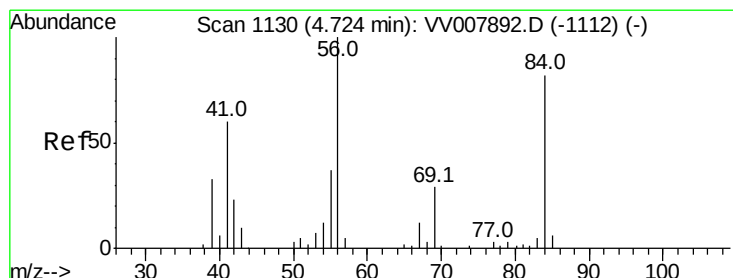
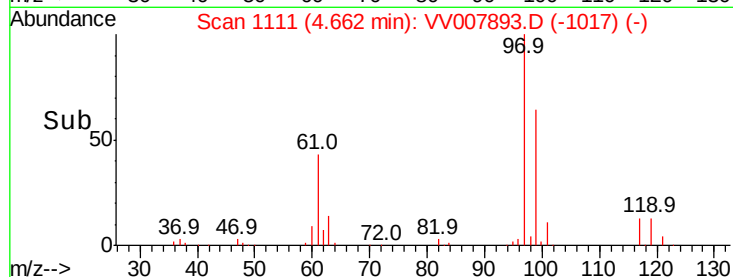
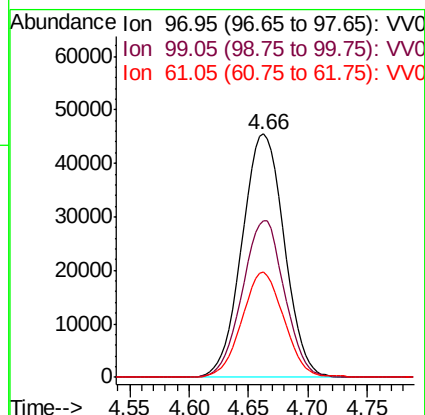
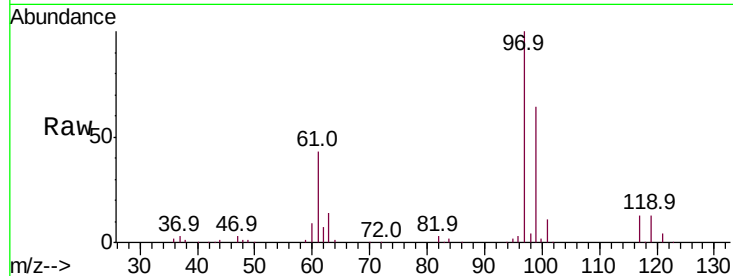




#29
1,1,1-Trichloroethane
Concen: 10.147 ug/L
RT: 4.66 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VV007893.D
Acq: 26 Sep 2018 19:56

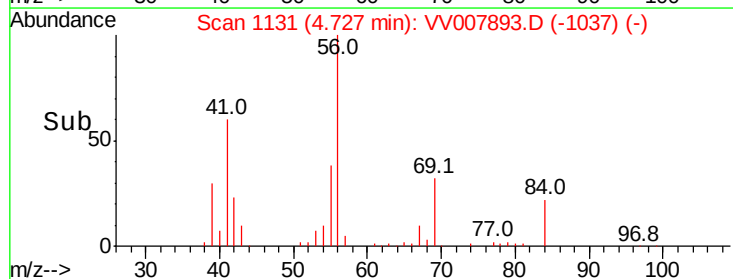
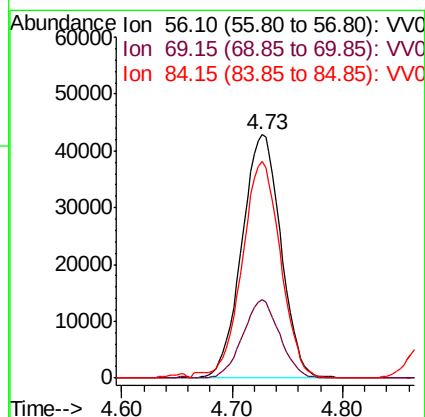
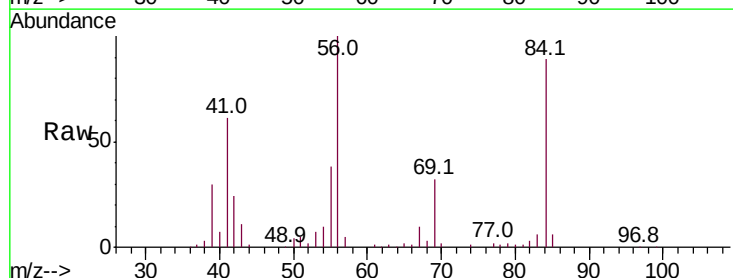
Instrument :
MSVOA_V
ClientSampled :

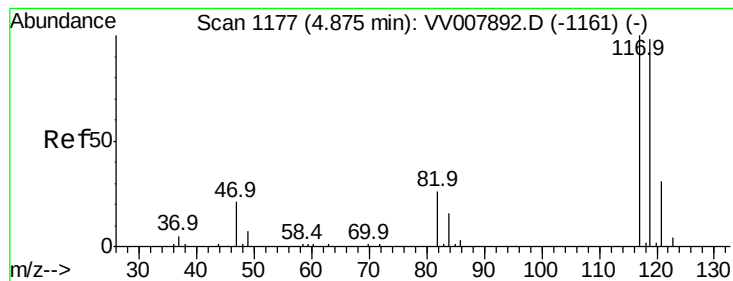
Tot Ion: 97 Resp: 112133
Ion Ratio Lower Upper
97 100
99 64.1 51.2 76.8
61 42.9 34.6 52.0



#30
Cyclohexane
Concen: 10.890 ug/L
RT: 4.73 min Scan# 1131
Delta R.T. 0.00 min
Lab File: VV007893.D
Acq: 26 Sep 2018 19:56

Tgt Ion: 56 Resp: 104870
Ion Ratio Lower Upper
56 100
69 30.5 24.2 36.4
84 88.4 69.8 104.8





#31

Carbon tetrachloride

Concen: 10.064 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VV007893.D

Acq: 26 Sep 2018 19:56

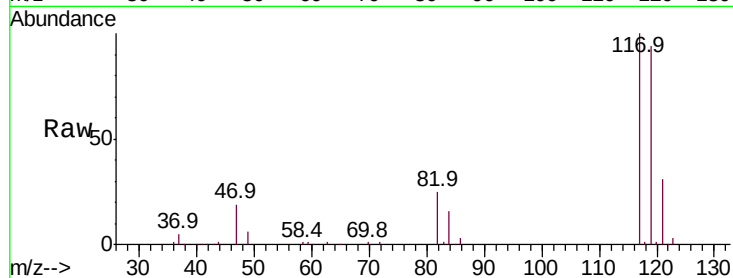
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 100903

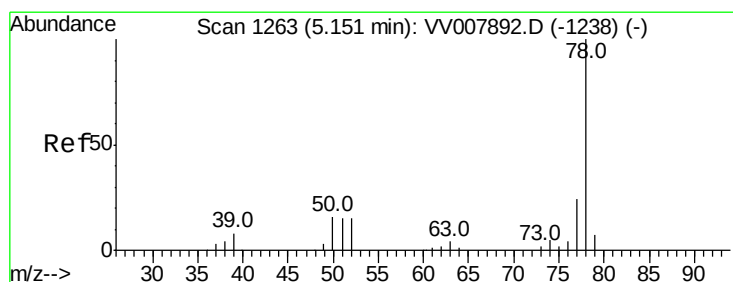
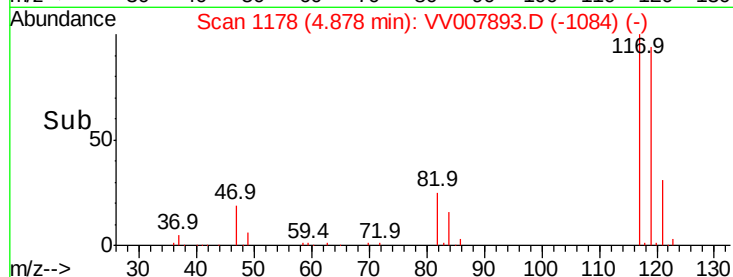
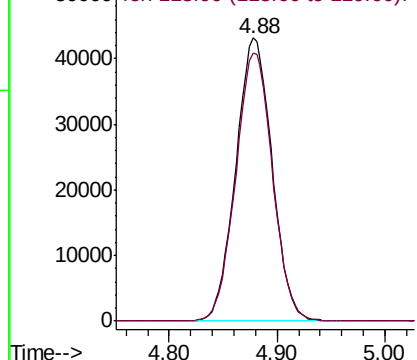
Ion Ratio Lower Upper

117 100

119 96.0 77.8 116.8



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 10.592 ug/L

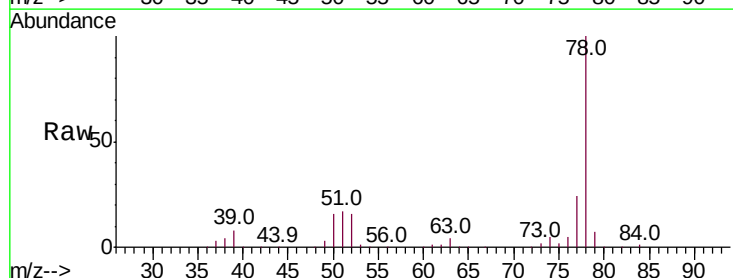
RT: 5.15 min Scan# 1263

Delta R.T. -0.00 min

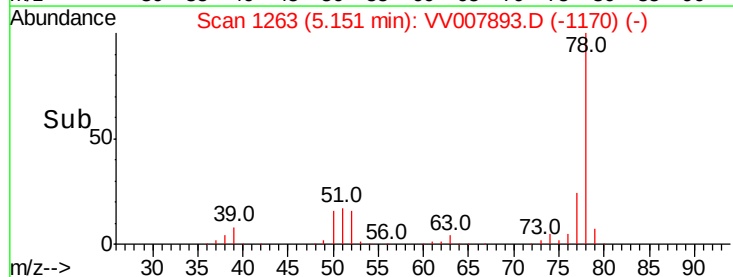
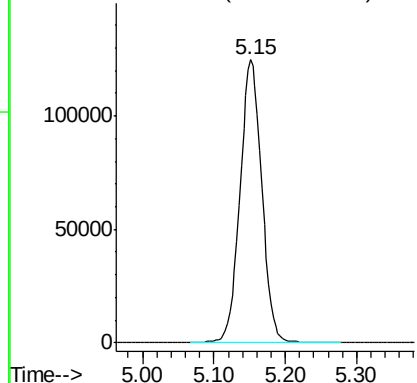
Lab File: VV007893.D

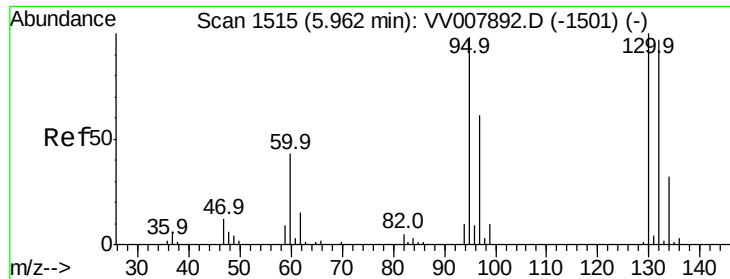
Acq: 26 Sep 2018 19:56

Tgt Ion: 78 Resp: 266488



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 9.940 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.00 min

Lab File: VV007893.D

Acq: 26 Sep 2018 19:56

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 95 Resp: 72801

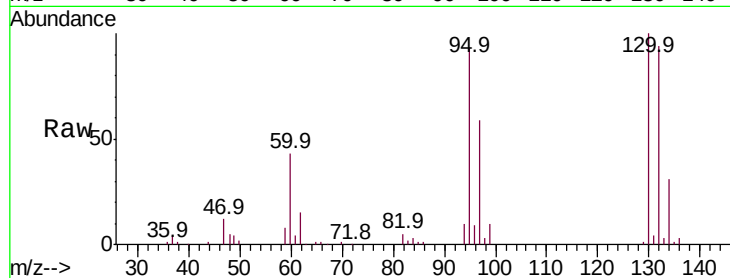
Ion Ratio Lower Upper

95 100

97 63.5 43.6 81.0

132 101.0 69.9 129.9

130 107.1 71.7 133.3

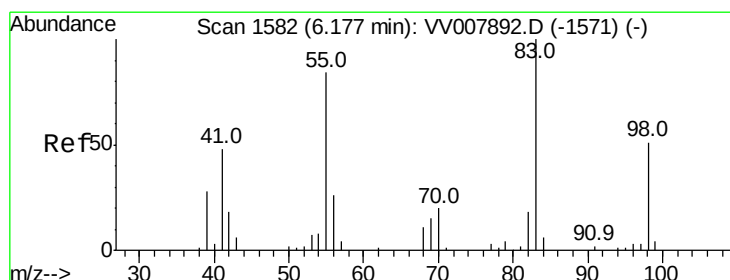
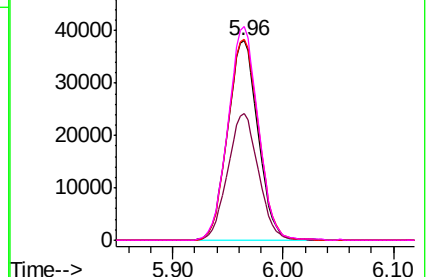
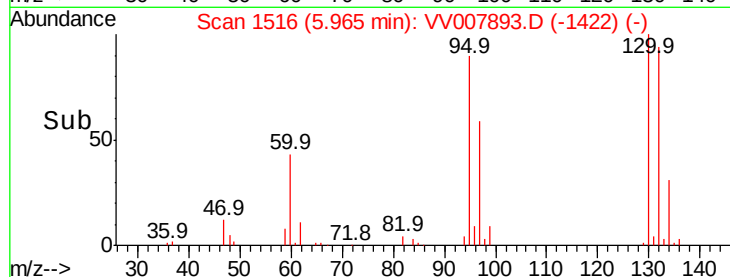


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 10.282 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VV007893.D

Acq: 26 Sep 2018 19:56

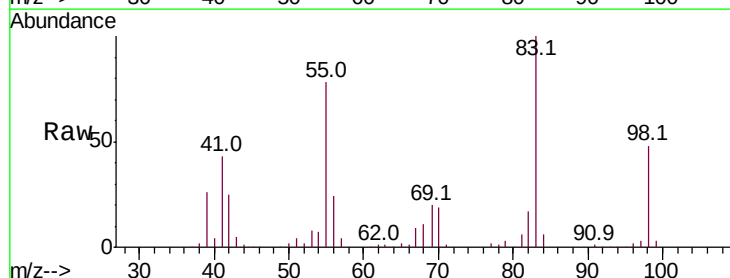
Tgt Ion: 83 Resp: 115685

Ion Ratio Lower Upper

83 100

55 78.3 62.2 93.2

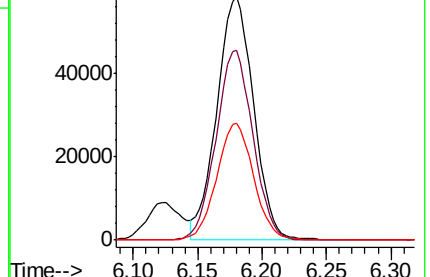
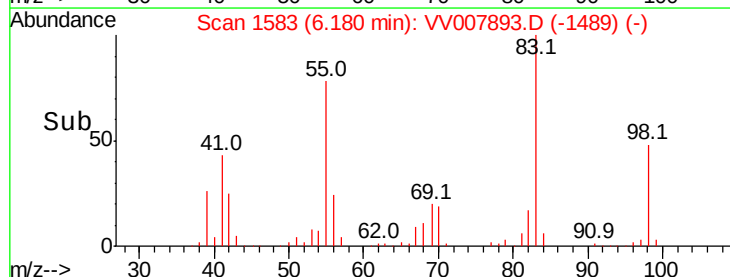
98 48.2 38.0 57.0

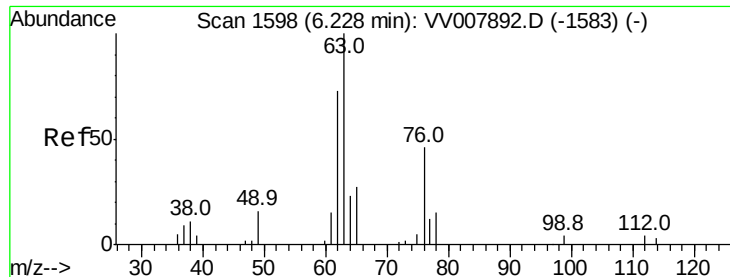


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

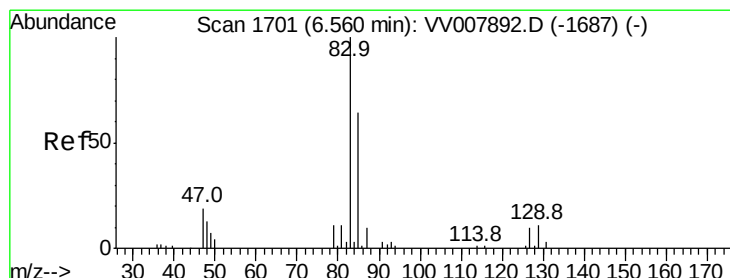
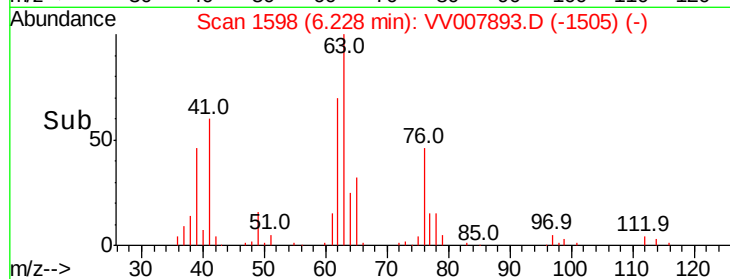
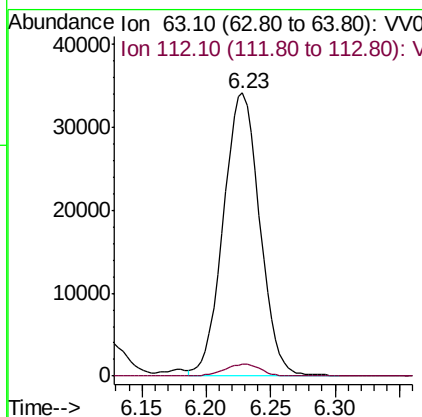
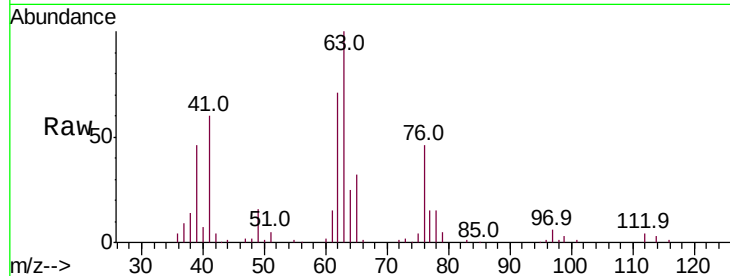




#37
 1,2-Dichloropropane
 Concen: 10.950 ug/L
 RT: 6.23 min Scan# 1598
 Delta R.T. -0.00 min
 Lab File: VV007893.D
 Acq: 26 Sep 2018 19:56

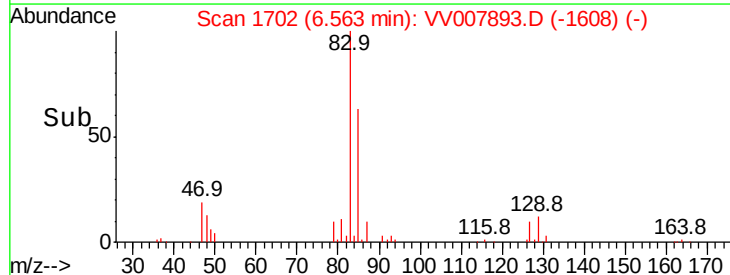
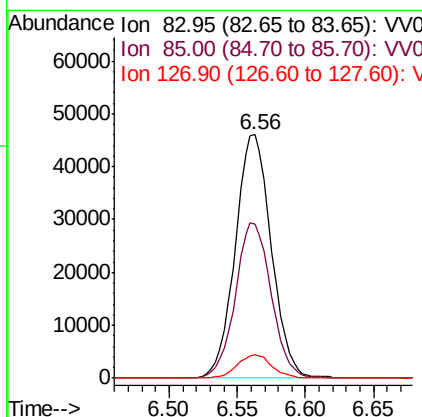
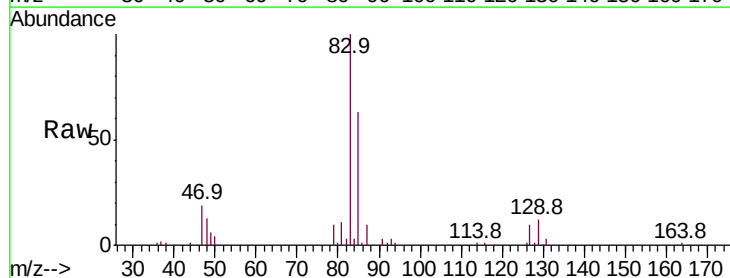
Instrument :
 MSVOA_V
 ClientSampleId :

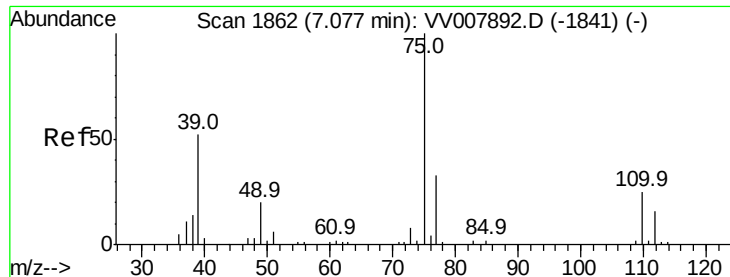
Tot Ion: 63 Resp: 67062
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.4 5.0



#38
 Bromodichloromethane
 Concen: 10.651 ug/L
 RT: 6.56 min Scan# 1702
 Delta R.T. 0.00 min
 Lab File: VV007893.D
 Acq: 26 Sep 2018 19:56

Tgt Ion: 83 Resp: 84412
 Ion Ratio Lower Upper
 83 100
 85 63.3 44.7 82.9
 127 9.5 7.8 11.6

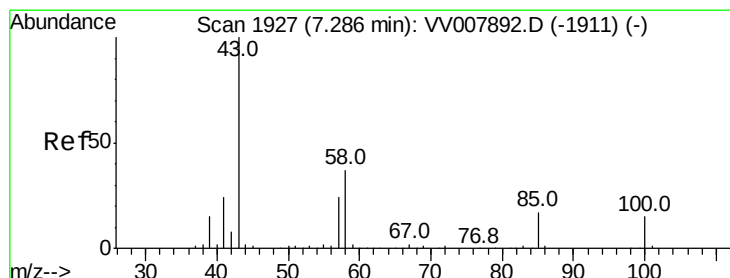
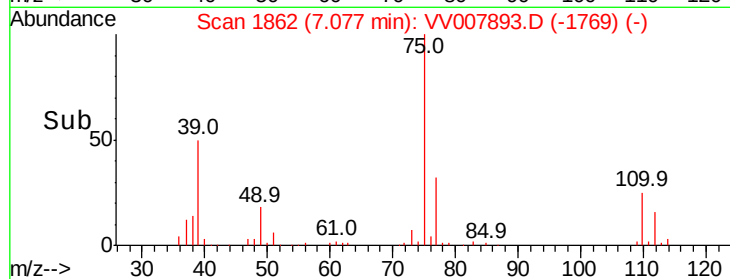
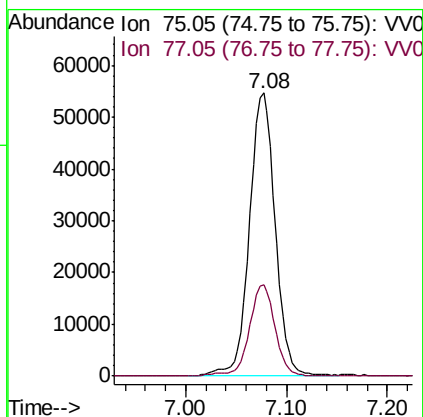
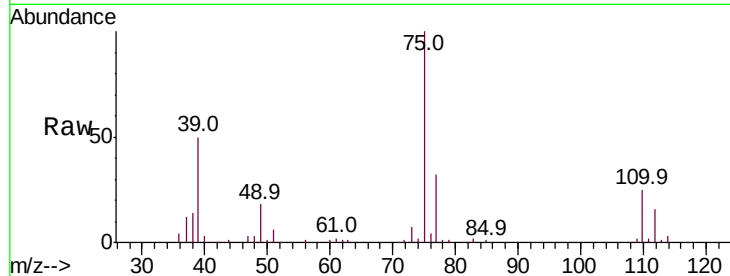




#39
 cis-1,3-Dichloropropene
 Concen: 11.117 ug/L
 RT: 7.08 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VV007893.D
 Acq: 26 Sep 2018 19:56

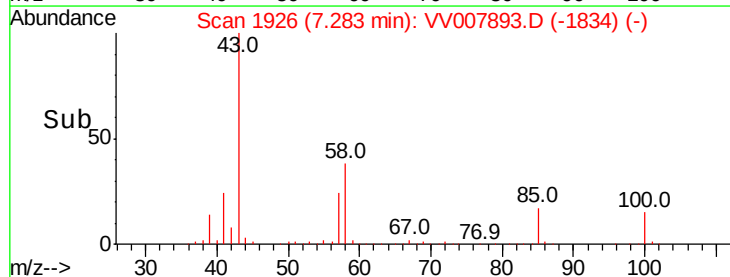
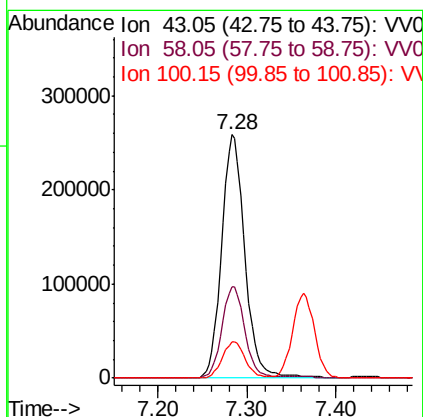
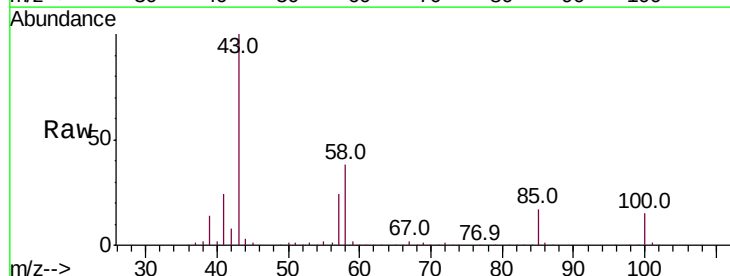
Instrument :
 MSVOA_V
 ClientSampled :

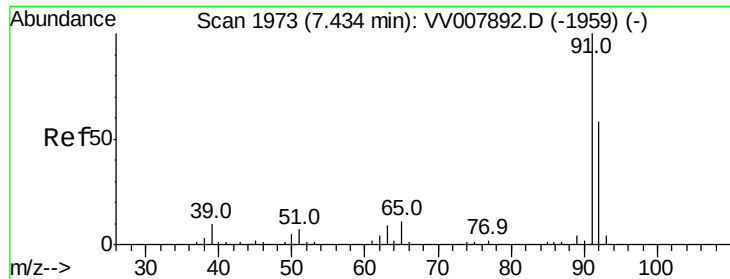
Tot Ion: 75 Resp: 96422
 Ion Ratio Lower Upper
 75 100
 77 32.1 22.9 42.5



#40
 4-Methyl-2-pentanone
 Concen: 136.859 ug/L
 RT: 7.28 min Scan# 1926
 Delta R.T. -0.00 min
 Lab File: VV007893.D
 Acq: 26 Sep 2018 19:56

Tgt Ion: 43 Resp: 466562
 Ion Ratio Lower Upper
 43 100
 58 37.3 29.4 44.0
 100 14.7 11.5 17.3





#42

Toluene

Concen: 10.455 ug/L

RT: 7.44 min Scan# 1974

Delta R.T. 0.00 min

Lab File: VV007893.D

Acq: 26 Sep 2018 19:56

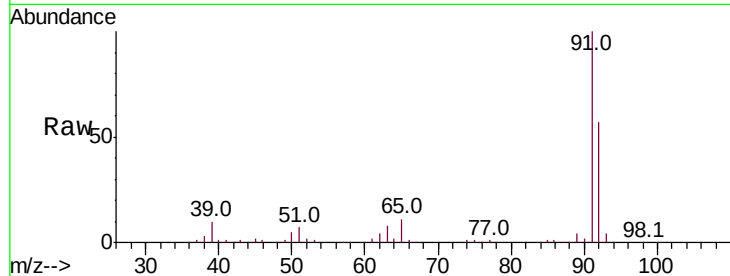
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 295797

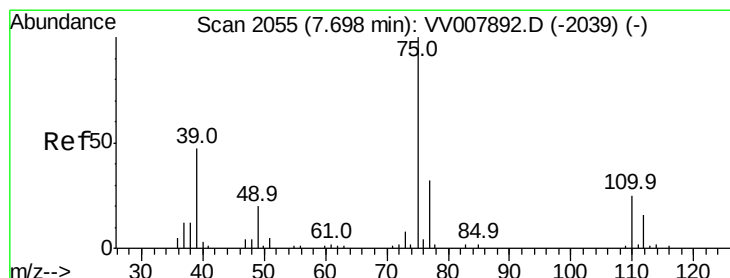
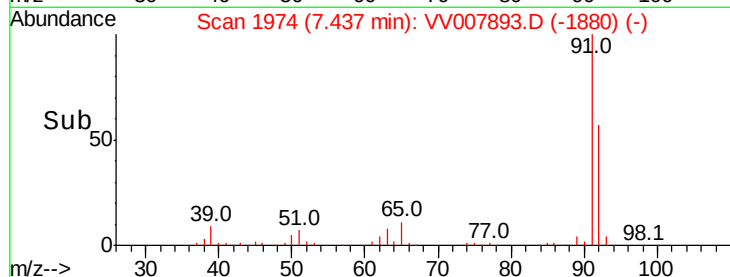
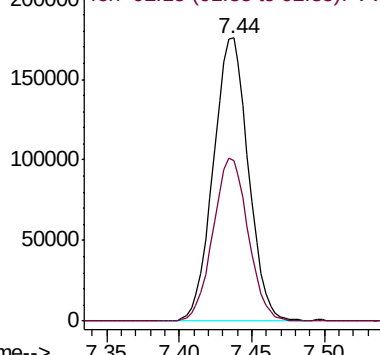
Ion Ratio Lower Upper

91 100

92 56.6 40.8 75.8



Abundance Ion 91.15 (90.85 to 91.85): VV0
Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 11.610 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. -0.00 min

Lab File: VV007893.D

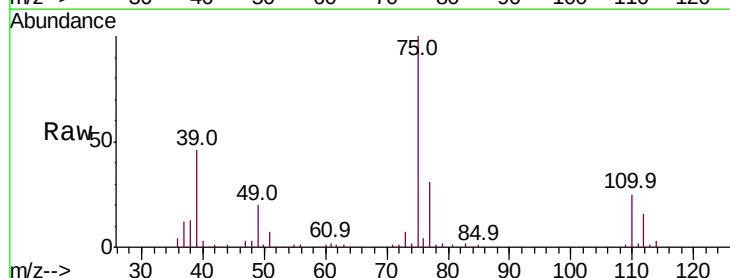
Acq: 26 Sep 2018 19:56

Tgt Ion: 75 Resp: 82336

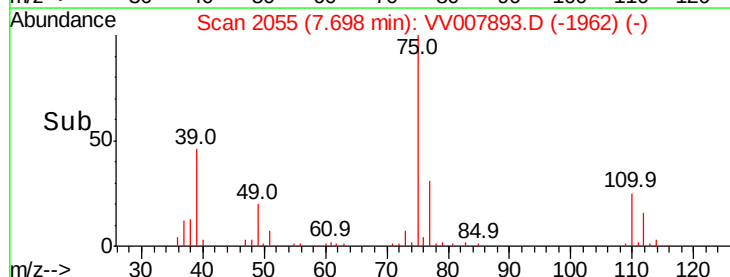
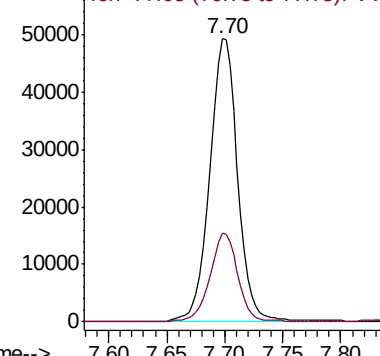
Ion Ratio Lower Upper

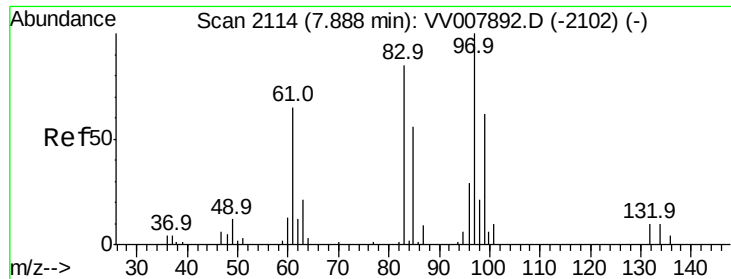
75 100

77 31.2 22.3 41.5



Abundance Ion 75.05 (74.75 to 75.75): VV0
Ion 77.05 (76.75 to 77.75): VV0





#45

1,1,2-Trichloroethane

Concen: 10.912 ug/L

RT: 7.89 min Scan# 2114

Delta R.T. -0.00 min

Lab File: VV007893.D

Acq: 26 Sep 2018 19:56

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 97 Resp: 50543

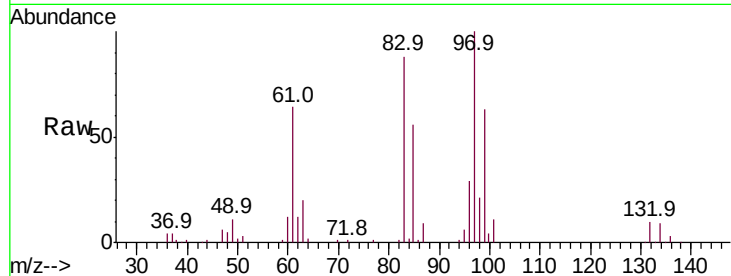
Ion Ratio Lower Upper

97 100

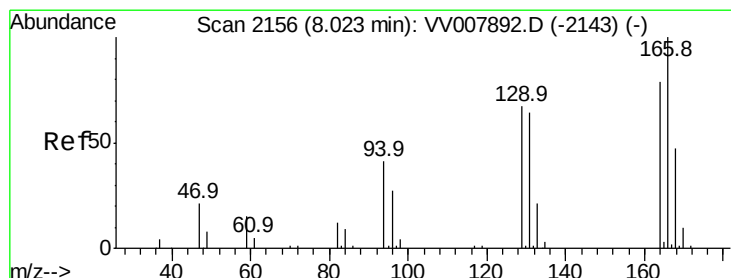
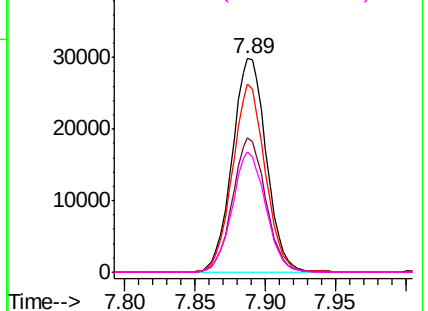
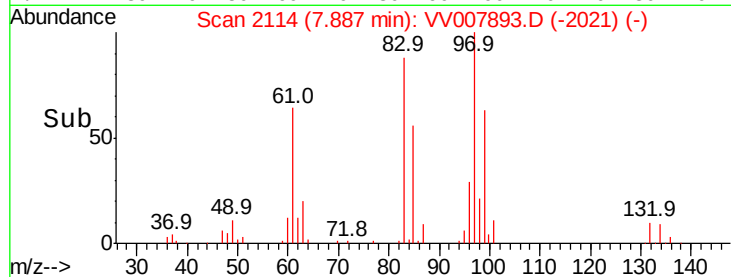
99 62.8 43.5 80.9

83 88.0 59.7 110.9

85 56.2 39.5 73.3



Abundance Ion 96.95 (96.65 to 97.65): VV0
Ion 99.05 (98.75 to 99.75): VV0
Ion 82.95 (82.65 to 83.65): VV0
Ion 85.00 (84.70 to 85.70): VV0



#47

Tetrachloroethene

Concen: 9.577 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. -0.00 min

Lab File: VV007893.D

Acq: 26 Sep 2018 19:56

Tgt Ion:164 Resp: 68217

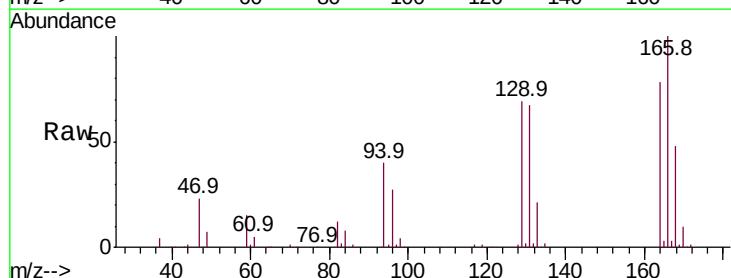
Ion Ratio Lower Upper

164 100

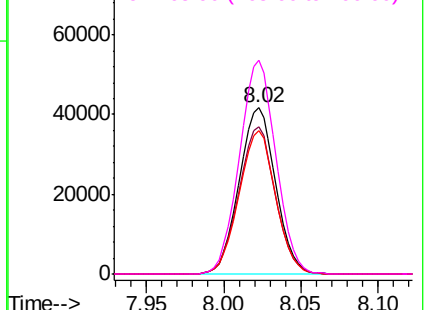
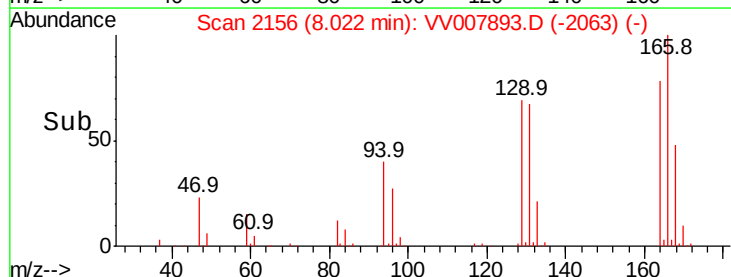
129 89.2 59.2 110.0

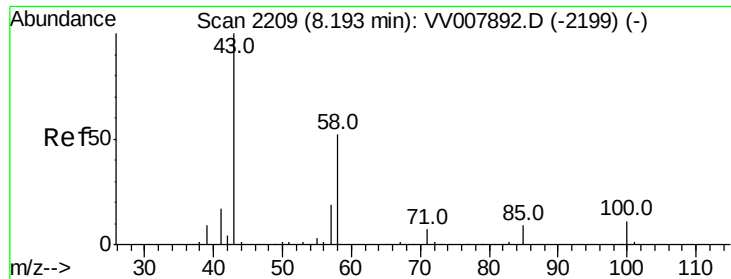
131 86.5 57.1 106.1

166 128.8 88.6 164.6



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

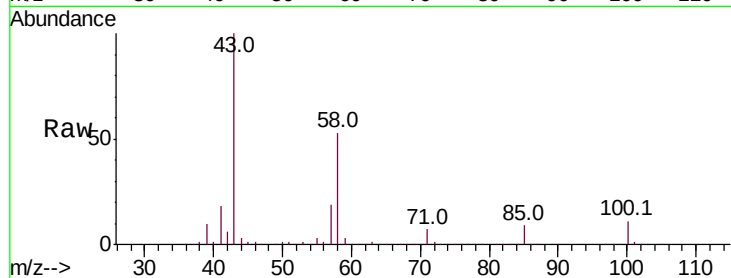




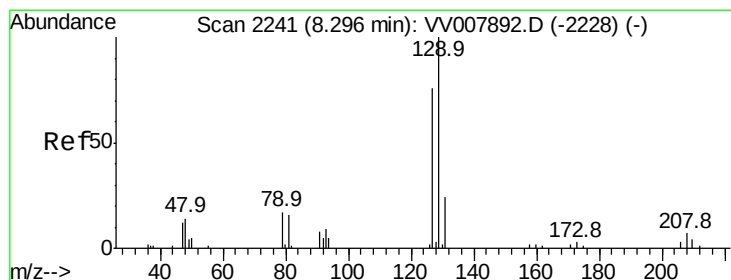
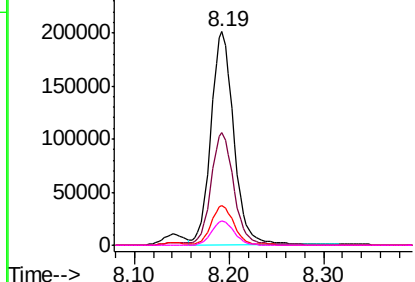
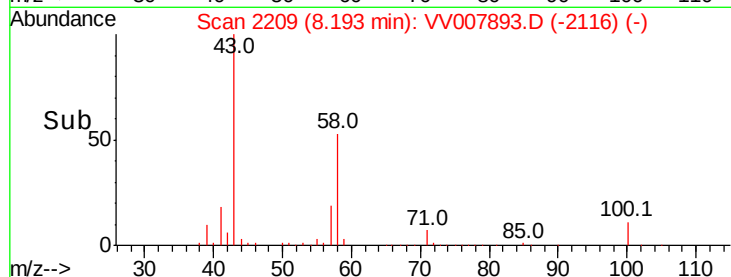
#48
2-Hexanone
Concen: 139.274 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VV007893.D
Acq: 26 Sep 2018 19:56

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 337055
Ion Ratio Lower Upper
43 100
58 52.6 41.9 62.9
57 18.6 14.3 21.5
100 11.4 9.2 13.8

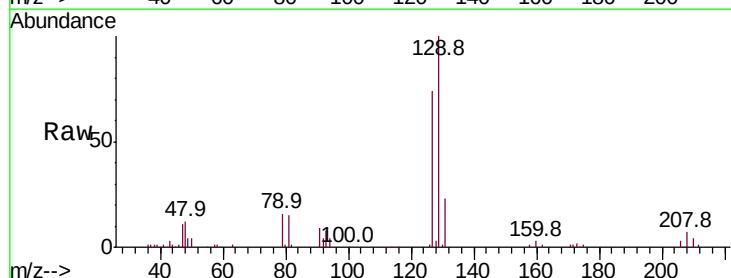


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

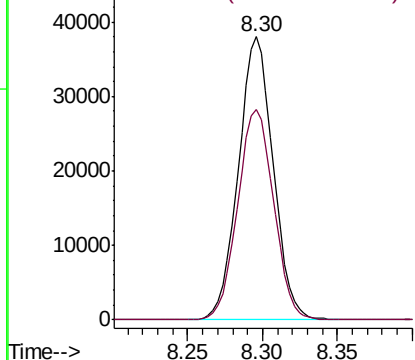
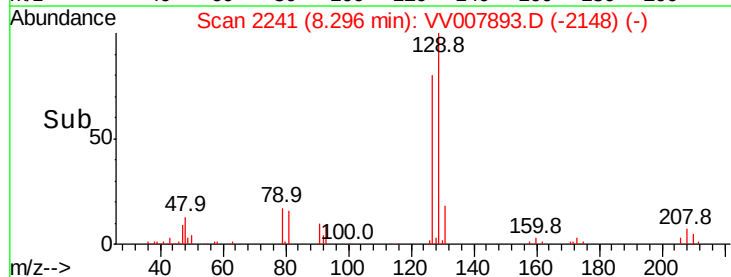


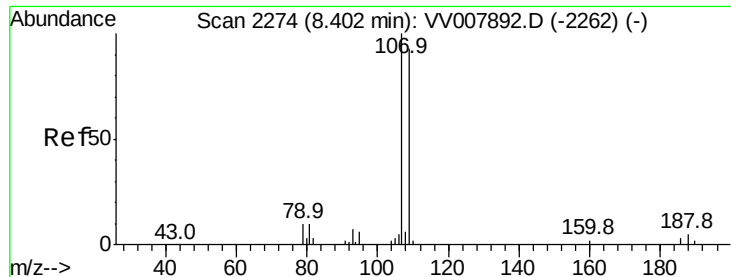
#49
Dibromochloromethane
Concen: 10.859 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VV007893.D
Acq: 26 Sep 2018 19:56

Tgt Ion: 129 Resp: 61592
Ion Ratio Lower Upper
129 100
127 74.3 53.1 98.5



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

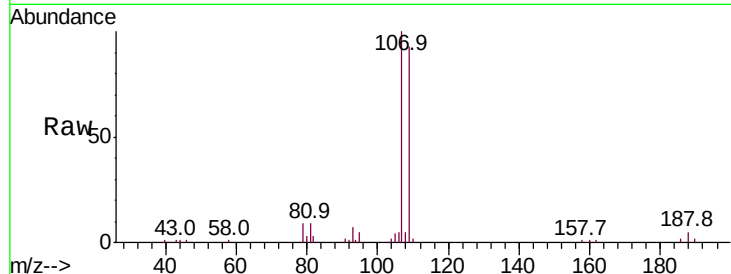




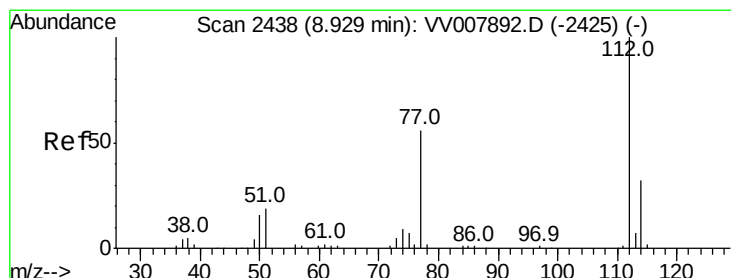
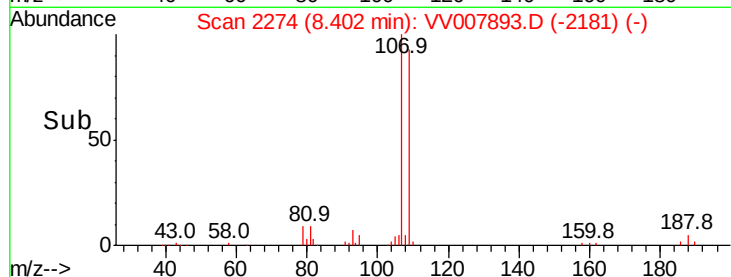
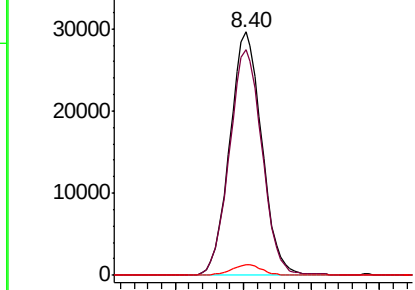
#50
 1,2-Dibromoethane
 Concen: 11.084 ug/L
 RT: 8.40 min Scan# 2274
 Delta R.T. -0.00 min
 Lab File: VV007893.D
 Acq: 26 Sep 2018 19:56

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.9	64.9	120.5
188	4.5	4.0	6.0

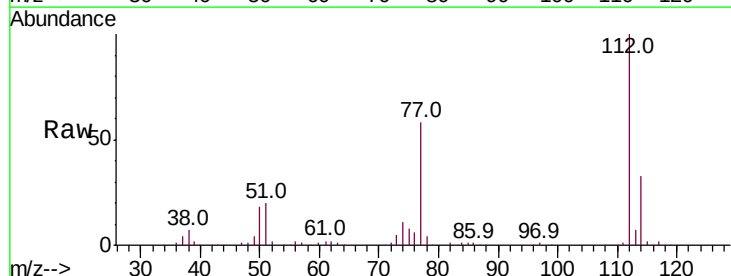


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

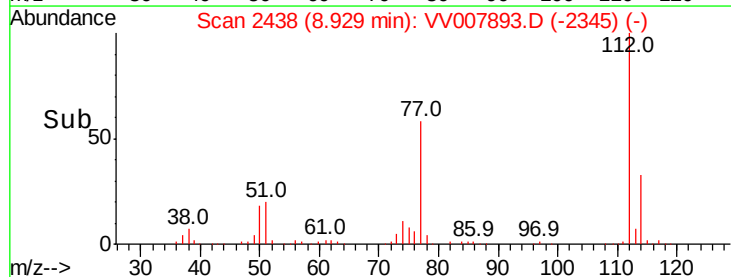
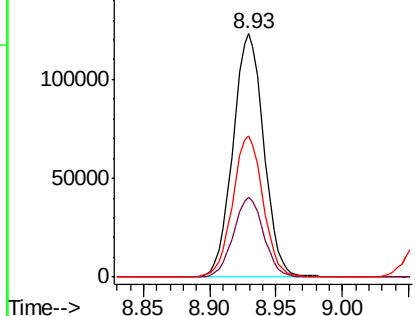


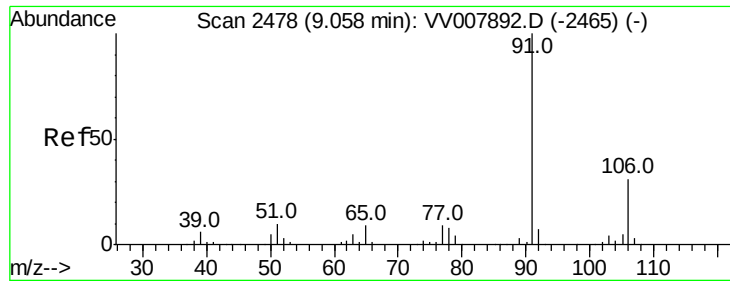
#51
 Chlorobenzene
 Concen: 10.157 ug/L
 RT: 8.93 min Scan# 2438
 Delta R.T. -0.00 min
 Lab File: VV007893.D
 Acq: 26 Sep 2018 19:56

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.9	22.4	41.6
77	58.0	45.0	67.6



Abundance Ion 112.10 (111.80 to 112.80): V
 Ion 114.05 (113.75 to 114.75): V
 Ion 77.10 (76.80 to 77.80): VV0

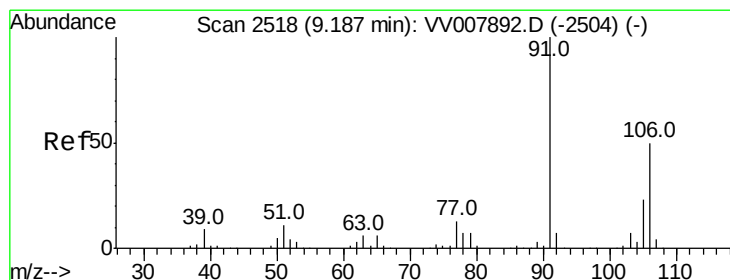
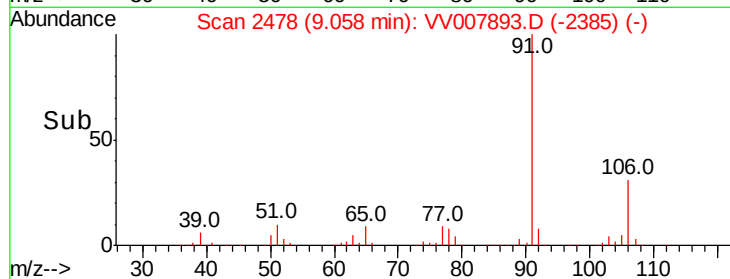
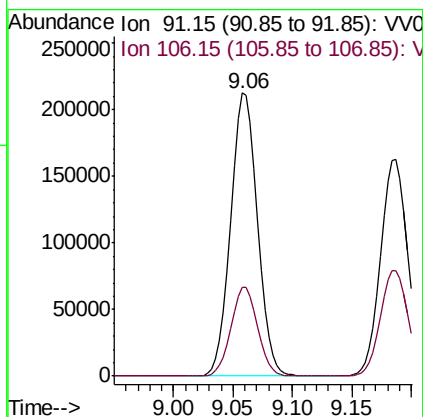
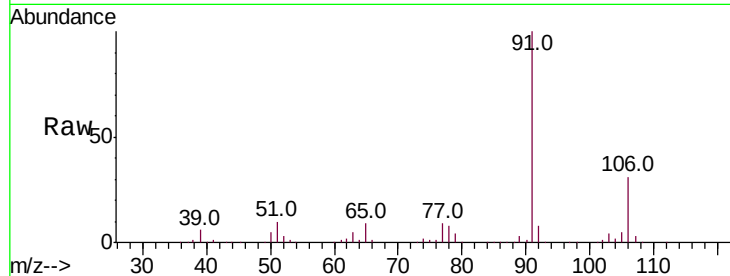




#52
Ethylbenzene
Concen: 10.387 ug/L
RT: 9.06 min Scan# 2478
Delta R.T. -0.00 min
Lab File: VV007893.D
Acq: 26 Sep 2018 19:56

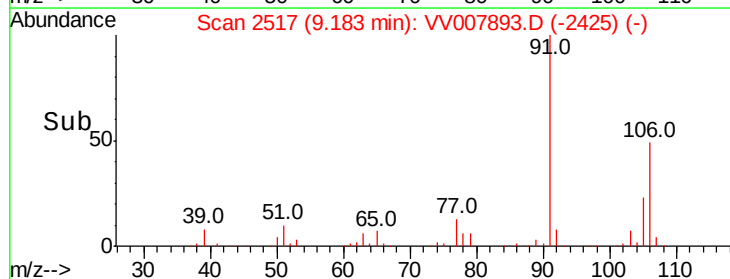
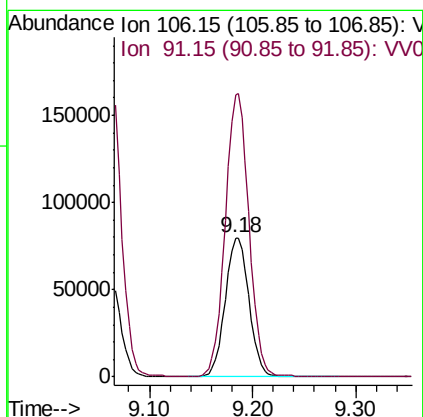
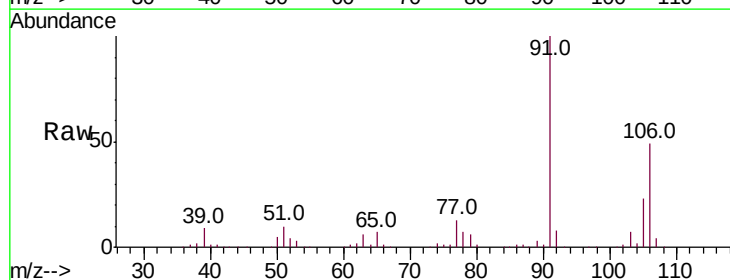
Instrument :
MSVOA_V
ClientSampled :

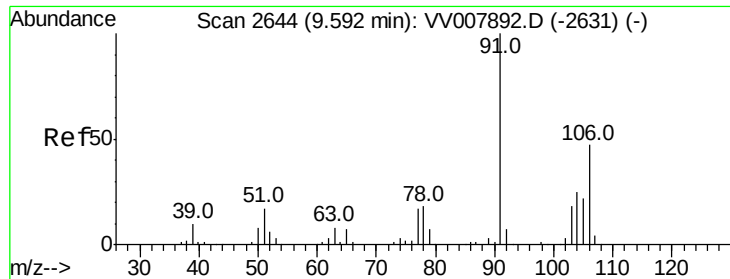
Tot Ion: 91 Resp: 332324
Ion Ratio Lower Upper
91 100
106 31.3 21.7 40.3



#53
m,p-xylene
Concen: 10.332 ug/L
RT: 9.18 min Scan# 2517
Delta R.T. -0.00 min
Lab File: VV007893.D
Acq: 26 Sep 2018 19:56

Tgt Ion: 106 Resp: 128762
Ion Ratio Lower Upper
106 100
91 203.0 139.4 258.8

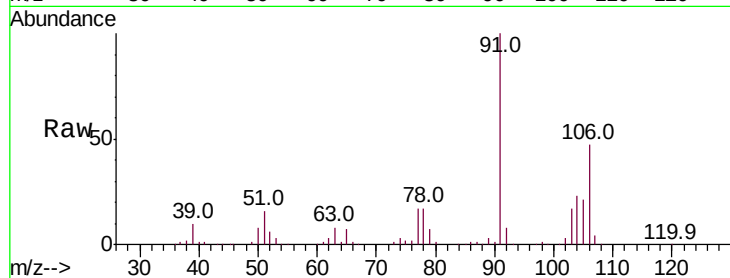




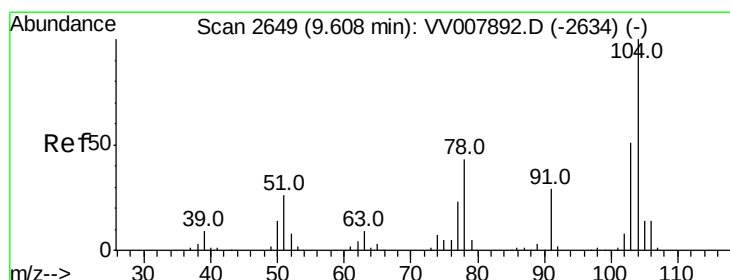
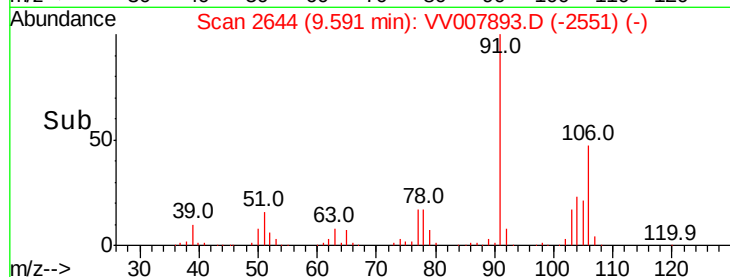
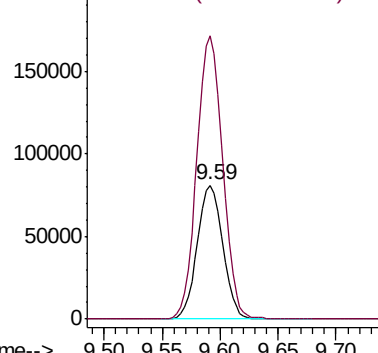
#54
o-xylene
Concen: 10.119 ug/L
RT: 9.59 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VV007893.D
Acq: 26 Sep 2018 19:56

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 123814
Ion Ratio Lower Upper
106 100
91 210.9 150.1 278.9

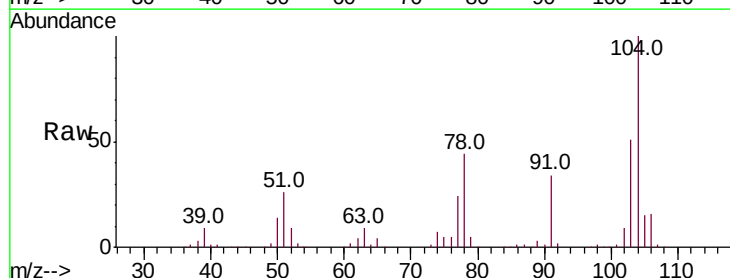


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

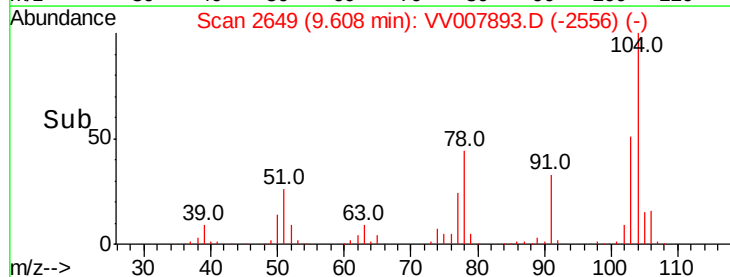
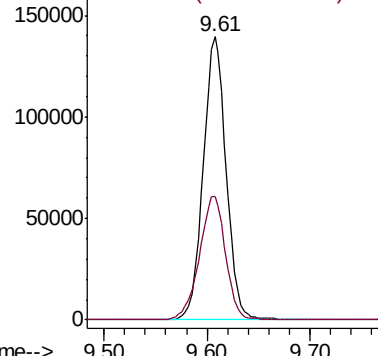


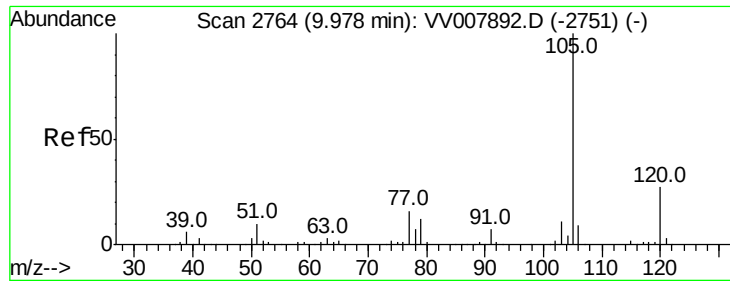
#55
Styrene
Concen: 10.744 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. -0.00 min
Lab File: VV007893.D
Acq: 26 Sep 2018 19:56

Tgt Ion:104 Resp: 217004
Ion Ratio Lower Upper
104 100
78 43.8 30.4 56.4



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 10.144 ug/L

RT: 9.98 min Scan# 2765

Delta R.T. 0.00 min

Lab File: VV007893.D

Acq: 26 Sep 2018 19:56

Instrument :

MSVOA_V

ClientSampled :

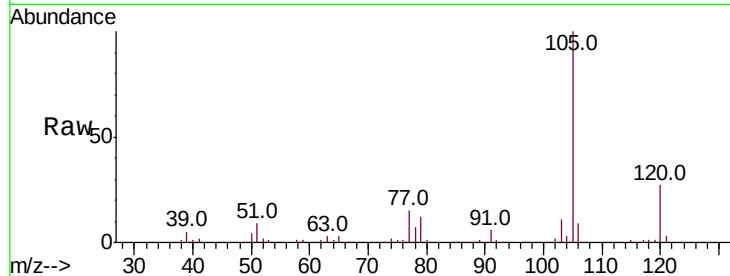
Tot Ion:105 Resp: 339210

Ion Ratio Lower Upper

105 100

120 26.9 21.4 32.0

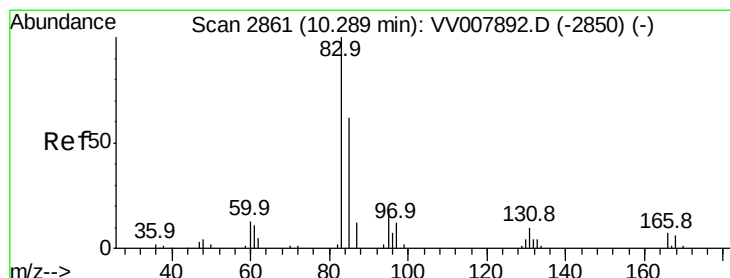
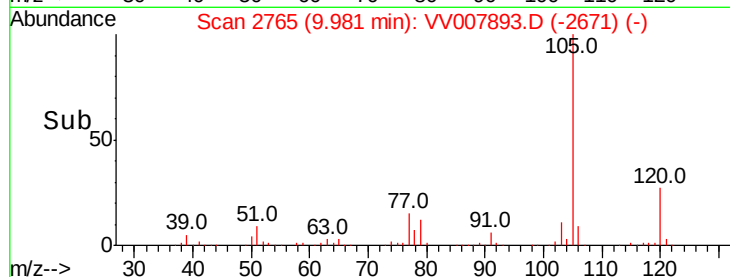
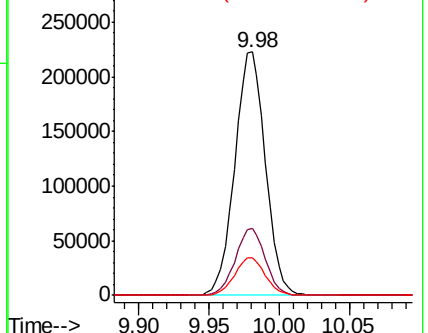
77 15.5 12.7 19.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 11.545 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV007893.D

Acq: 26 Sep 2018 19:56

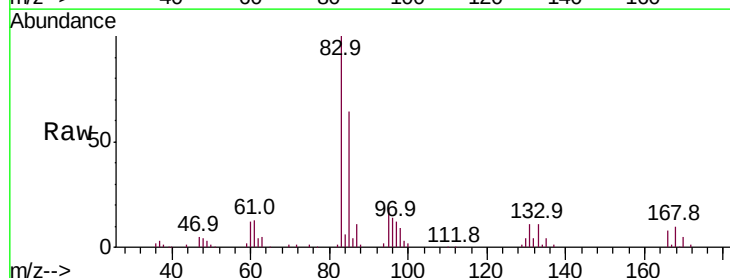
Tgt Ion: 83 Resp: 61549

Ion Ratio Lower Upper

83 100

85 63.7 43.7 81.1

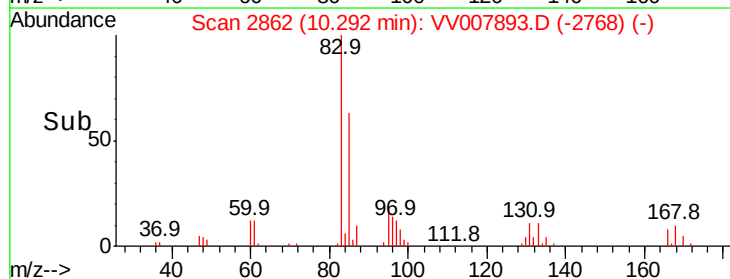
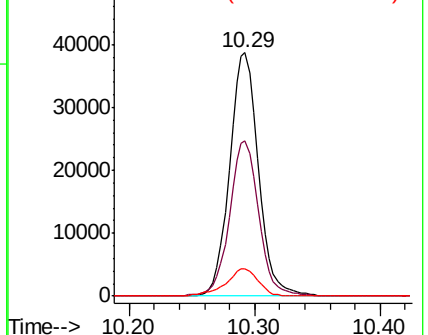
131 11.4 9.0 13.4

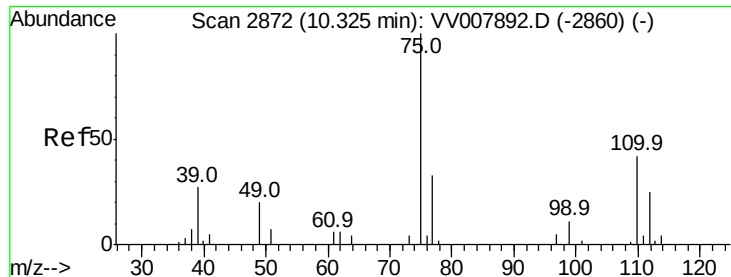


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

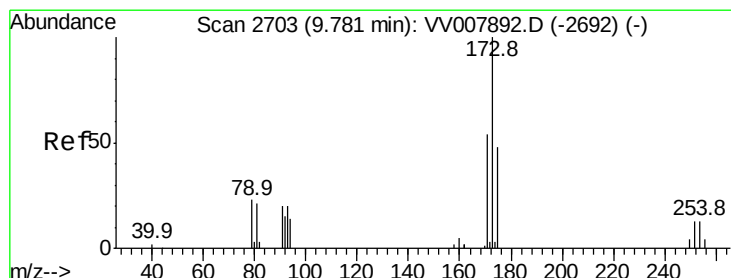
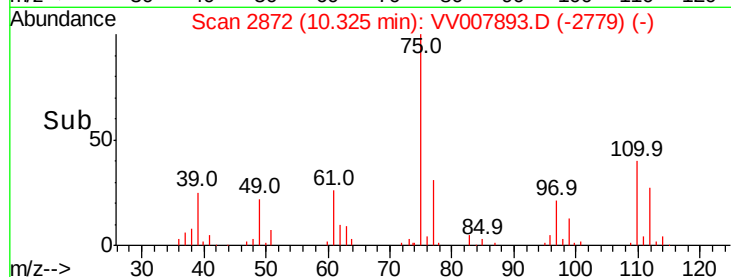
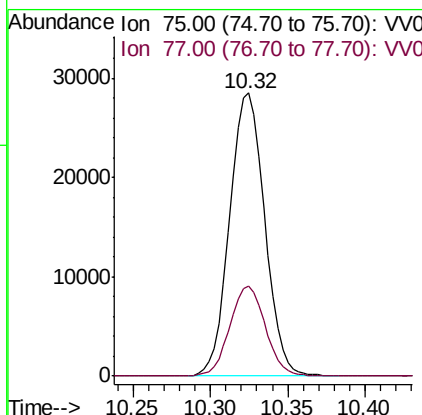
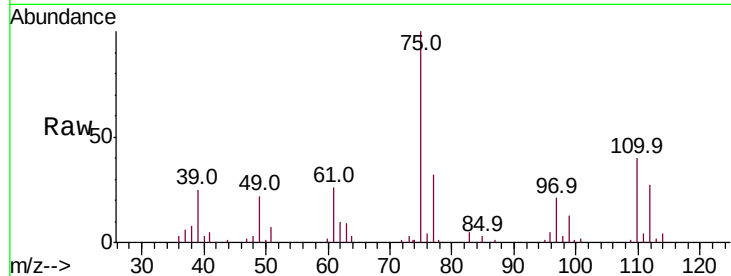




#59
 1,2,3-Trichloropropane
 Concen: 11.931 ug/L
 RT: 10.32 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VV007893.D
 Acq: 26 Sep 2018 19:56

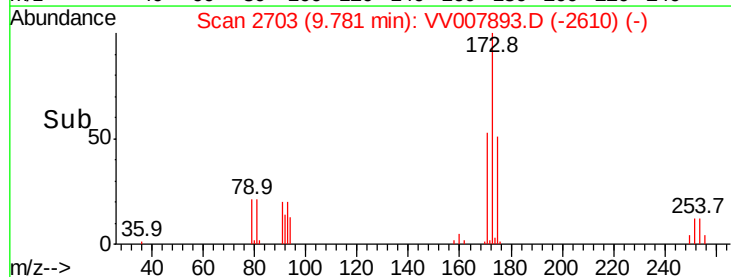
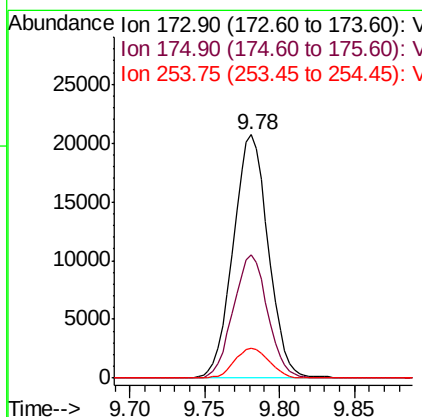
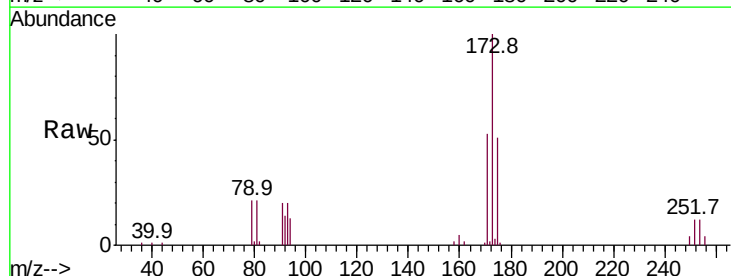
Instrument :
 MSVOA_V
 ClientSampleId :

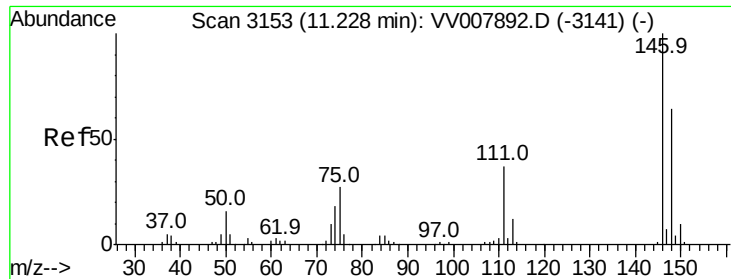
Tot Ion: 75 Resp: 44821
 Ion Ratio Lower Upper
 75 100
 77 32.1 26.4 39.6



#61
 Bromoform
 Concen: 10.295 ug/L
 RT: 9.78 min Scan# 2703
 Delta R.T. -0.00 min
 Lab File: VV007893.D
 Acq: 26 Sep 2018 19:56

Tgt Ion:173 Resp: 33816
 Ion Ratio Lower Upper
 173 100
 175 49.4 41.0 61.6
 254 12.1 9.6 14.4





#62

1,3-Dichlorobenzene

Concen: 9.716 ug/L

RT: 11.23 min Scan# 3154

Delta R.T. 0.00 min

Lab File: VV007893.D

Acq: 26 Sep 2018 19:56

Instrument :

MSVOA_V

ClientSampled :

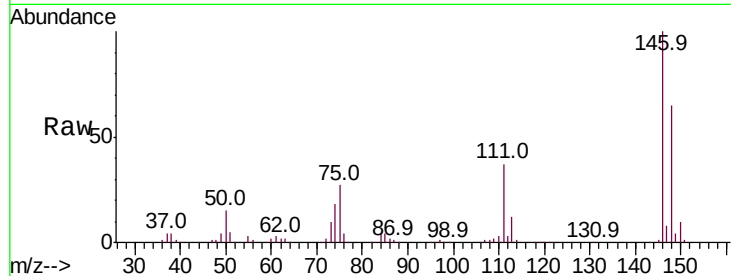
Tot Ion:146 Resp: 168273

Ion Ratio Lower Upper

146 100

111 37.3 25.8 48.0

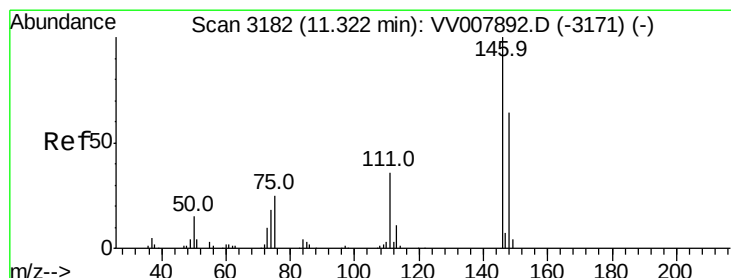
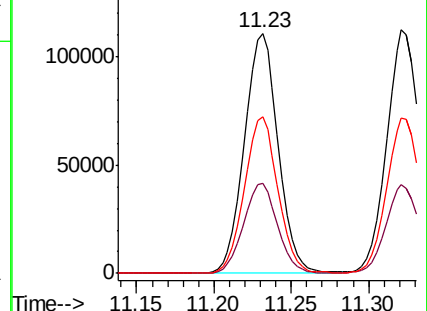
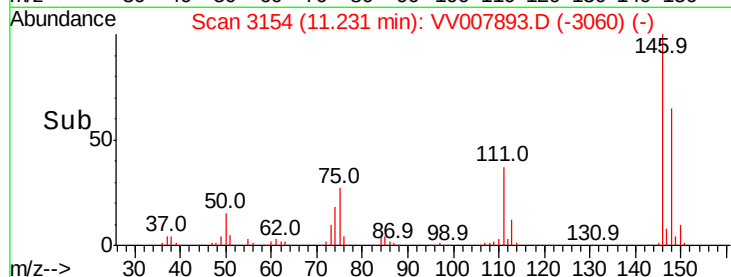
148 65.1 44.7 82.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 9.859 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VV007893.D

Acq: 26 Sep 2018 19:56

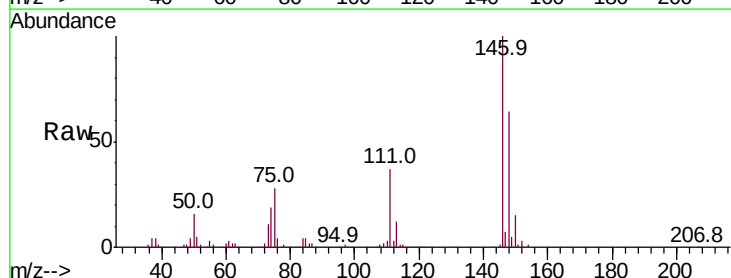
Tgt Ion:146 Resp: 172417

Ion Ratio Lower Upper

146 100

111 36.5 25.3 47.1

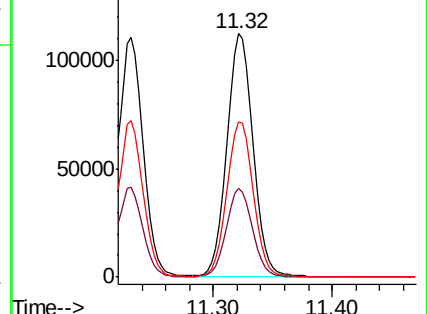
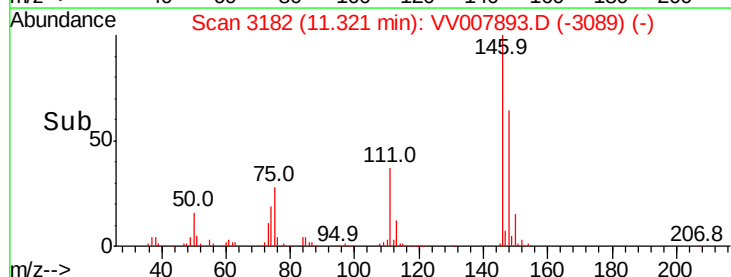
148 64.0 44.7 82.9

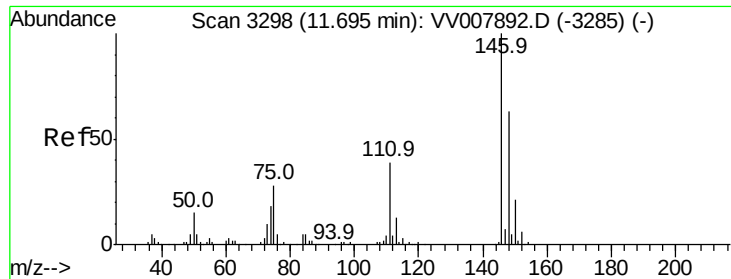


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

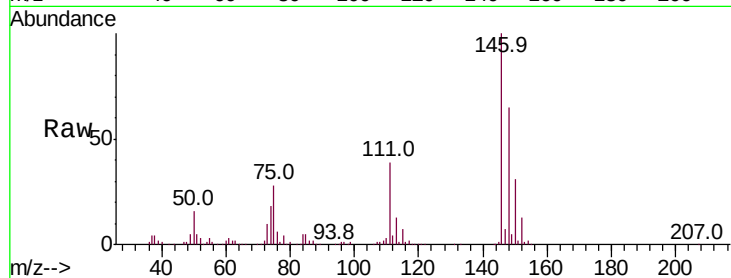




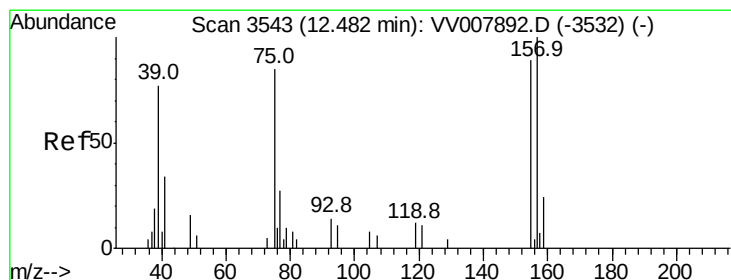
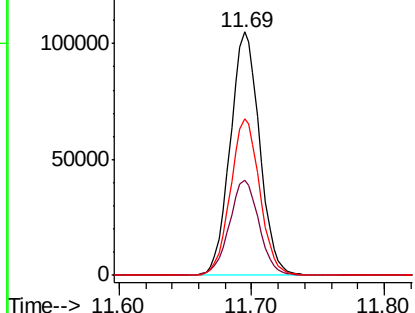
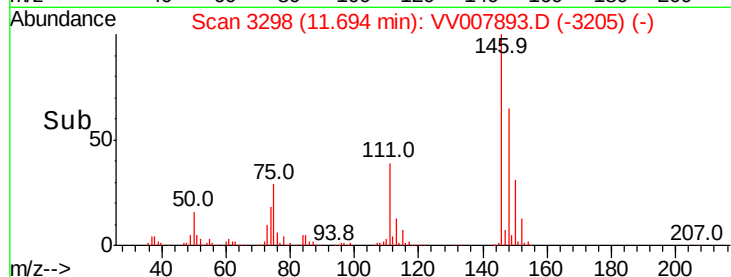
#65
 1,2-Dichlorobenzene
 Concen: 9.897 ug/L
 RT: 11.69 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VV007893.D
 Acq: 26 Sep 2018 19:56

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	31.2	46.8
148	64.6	50.3	75.5

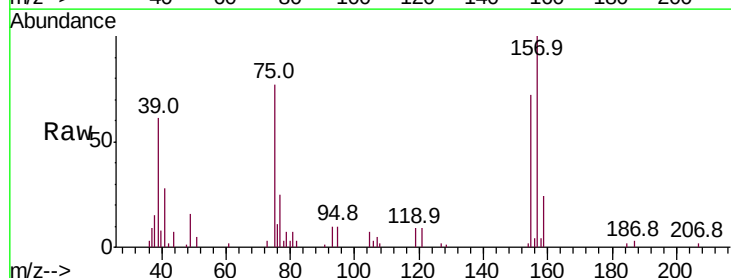


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

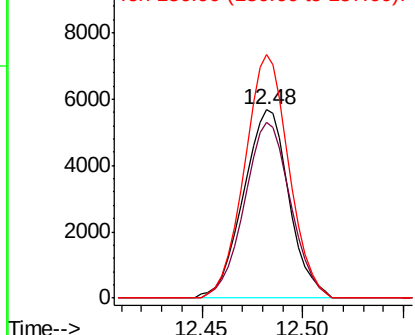
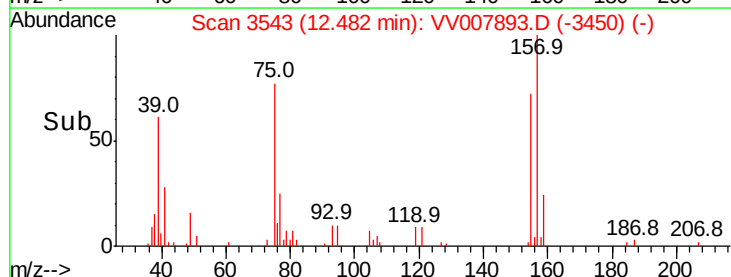


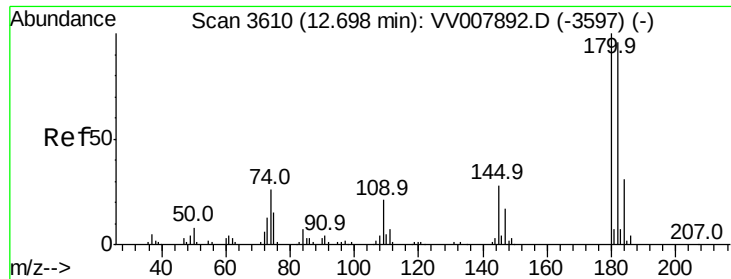
#66
 1,2-Dibromo-3-chloropropane
 Concen: 11.964 ug/L
 RT: 12.48 min Scan# 3543
 Delta R.T. -0.00 min
 Lab File: VV007893.D
 Acq: 26 Sep 2018 19:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.5	83.4	125.2
157	129.2	93.9	140.9



Abundance Ion 75.05 (74.75 to 75.75): VV0
 Ion 154.95 (154.65 to 155.65): V
 Ion 156.90 (156.60 to 157.60): V

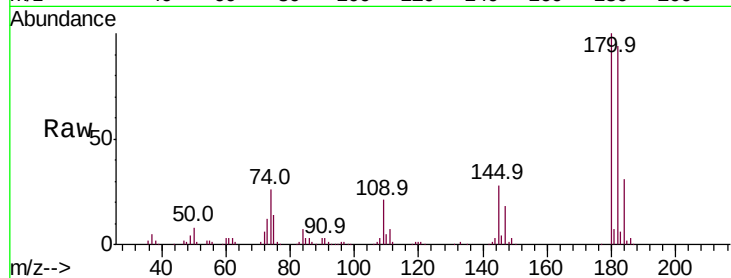




#67
 1,3,5-Trichlorobenzene
 Concen: 9.678 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. -0.00 min
 Lab File: VV007893.D
 Acq: 26 Sep 2018 19:56

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion:	180	Resp:	144608
Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.2	114.4
184	30.4	24.5	36.7
145	27.3	22.2	33.4



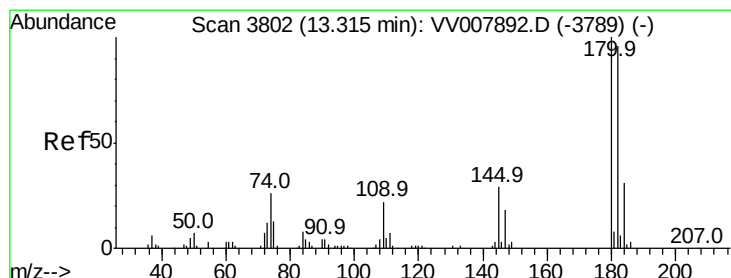
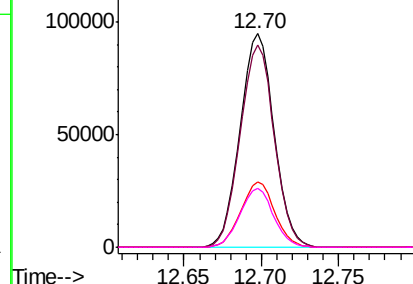
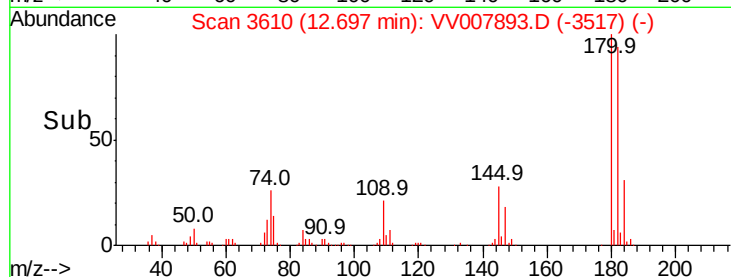
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

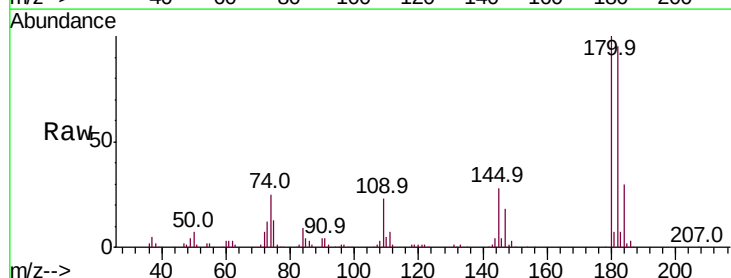
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 10.112 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. -0.00 min
 Lab File: VV007893.D
 Acq: 26 Sep 2018 19:56

Tgt Ion:	180	Resp:	123409
Ion	Ratio	Lower	Upper
180	100		
182	95.8	77.4	116.2
145	27.8	22.6	33.8

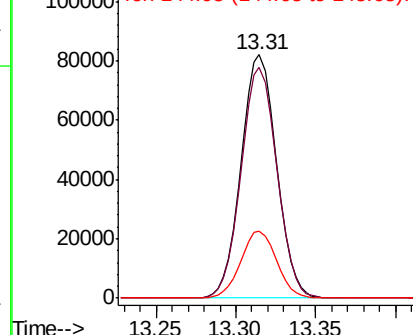
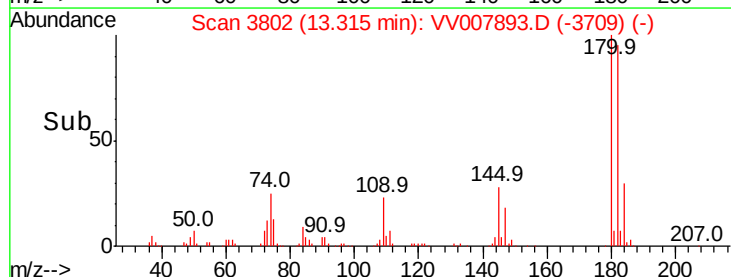


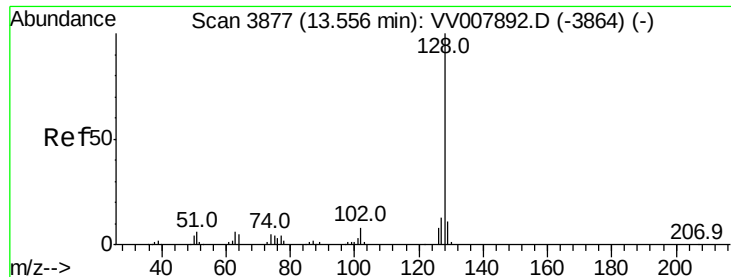
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 10.450 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. -0.00 min

Lab File: VV007893.D

Acq: 26 Sep 2018 19:56

Instrument :

MSVOA_V

ClientSampleId :

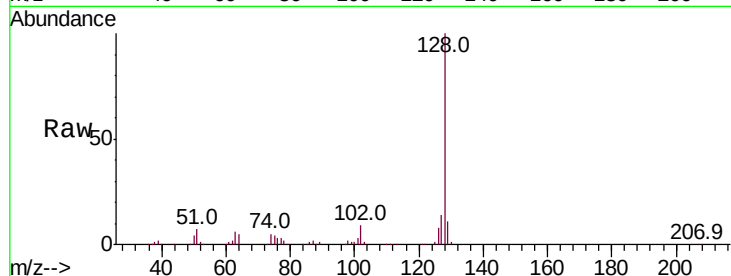
Tot Ion:128 Resp: 188825

Ion Ratio Lower Upper

128 100

129 10.9 8.6 13.0

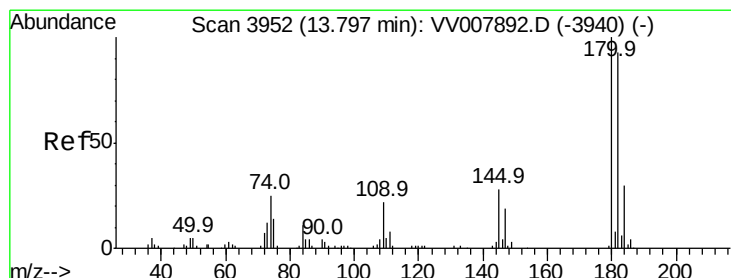
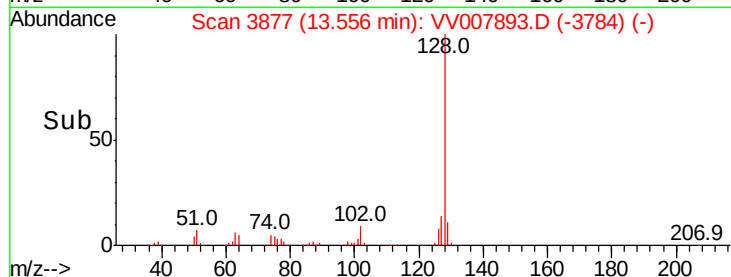
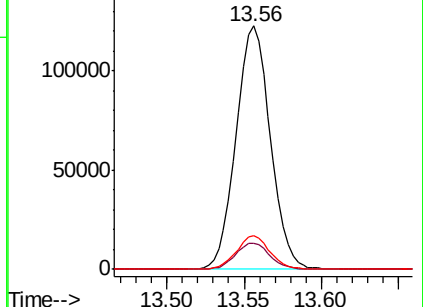
127 13.5 10.3 15.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 10.129 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. -0.00 min

Lab File: VV007893.D

Acq: 26 Sep 2018 19:56

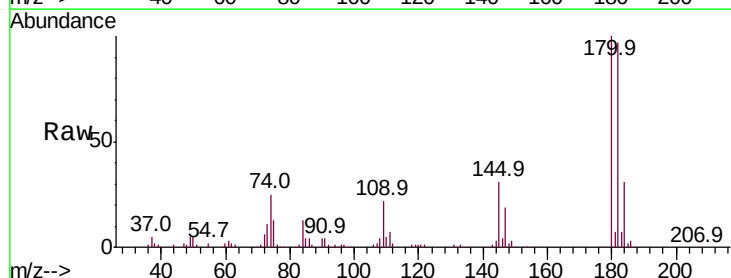
Tgt Ion:180 Resp: 114553

Ion Ratio Lower Upper

180 100

182 96.7 75.7 113.5

145 29.7 23.4 35.0



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

