

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092718\
 Data File : VV007891.D
 Acq On : 26 Sep 2018 19:01
 Operator : SY/MD
 Sample : VSTD001
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 27 06:43:02 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	97304	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	91013	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	46915	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	4717	1.11	ug/L	0.00
7) Chloroethane-d5	1.59	69	4160	1.08	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.14	63	11119	1.04	ug/L	0.00
20) 2-Butanone-d5	3.98	46	12916	11.72	ug/L	0.00
24) Chloroform-d	4.41	84	10868	1.10	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	5810	1.16	ug/L	0.00
32) Benzene-d6	5.10	84	19682	1.06	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	6522	1.17	ug/L	0.00
41) Toluene-d8	7.36	98	19522	1.02	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	2199	1.00	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	9109	10.34	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	4636	1.02	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	8750	1.11	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	8350	1.062	ug/L 98
3) Chloromethane	1.25	50	7331	1.155	ug/L 99
5) Vinyl chloride	1.32	62	8089	1.122	ug/L 92
6) Bromomethane	1.54	94	4880	1.030	ug/L 97
8) Chloroethane	1.60	64	5023	1.078	ug/L 96
9) Trichlorofluoromethane	1.77	101	13057	0.909	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	7261	0.924	ug/L 99
12) 1,1-Dichloroethene	2.15	96	6674	0.961	ug/L 88
13) Acetone	2.23	43	11962	11.814	ug/L 98
14) Carbon disulfide	2.32	76	17090	0.929	ug/L 96
15) Methyl Acetate	2.48	43	3067	1.255	ug/L 93
16) Methylene chloride	2.54	84	7339	1.027	ug/L 98
17) Methyl tert-butyl Ether	2.82	73	16083	0.983	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	7543	0.992	ug/L 96
19) 1,1-Dichloroethane	3.23	63	12422	1.149	ug/L 97
21) 2-Butanone	4.07	43	17705	13.188	ug/L 97
22) cis-1,2-Dichloroethene	3.97	96	7142	1.026	ug/L 99
23) Bromochloromethane	4.30	128	3085	0.984	ug/L 92
25) Chloroform	4.43	83	13193	1.136	ug/L 99
27) 1,2-Dichloroethane	5.19	62	8439	1.184	ug/L 98
29) 1,1,1-Trichloroethane	4.66	97	11222	1.040	ug/L 98
30) Cyclohexane	4.72	56	10584	1.126	ug/L 96
31) Carbon tetrachloride	4.88	117	9488	0.969	ug/L 98
33) Benzene	5.15	78	26598	1.083	ug/L 100
34) Trichloroethene	5.96	95	7818	1.093	ug/L 95
35) Methylcyclohexane	6.18	83	11223	1.022	ug/L 99
37) 1,2-Dichloropropane	6.23	63	6942	1.161	ug/L 98
38) Bromodichloromethane	6.56	83	8109	1.048	ug/L 99
39) cis-1,3-Dichloropropene	7.08	75	8122	0.959	ug/L 98
40) 4-Methyl-2-pentanone	7.29	43	40208	12.079	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

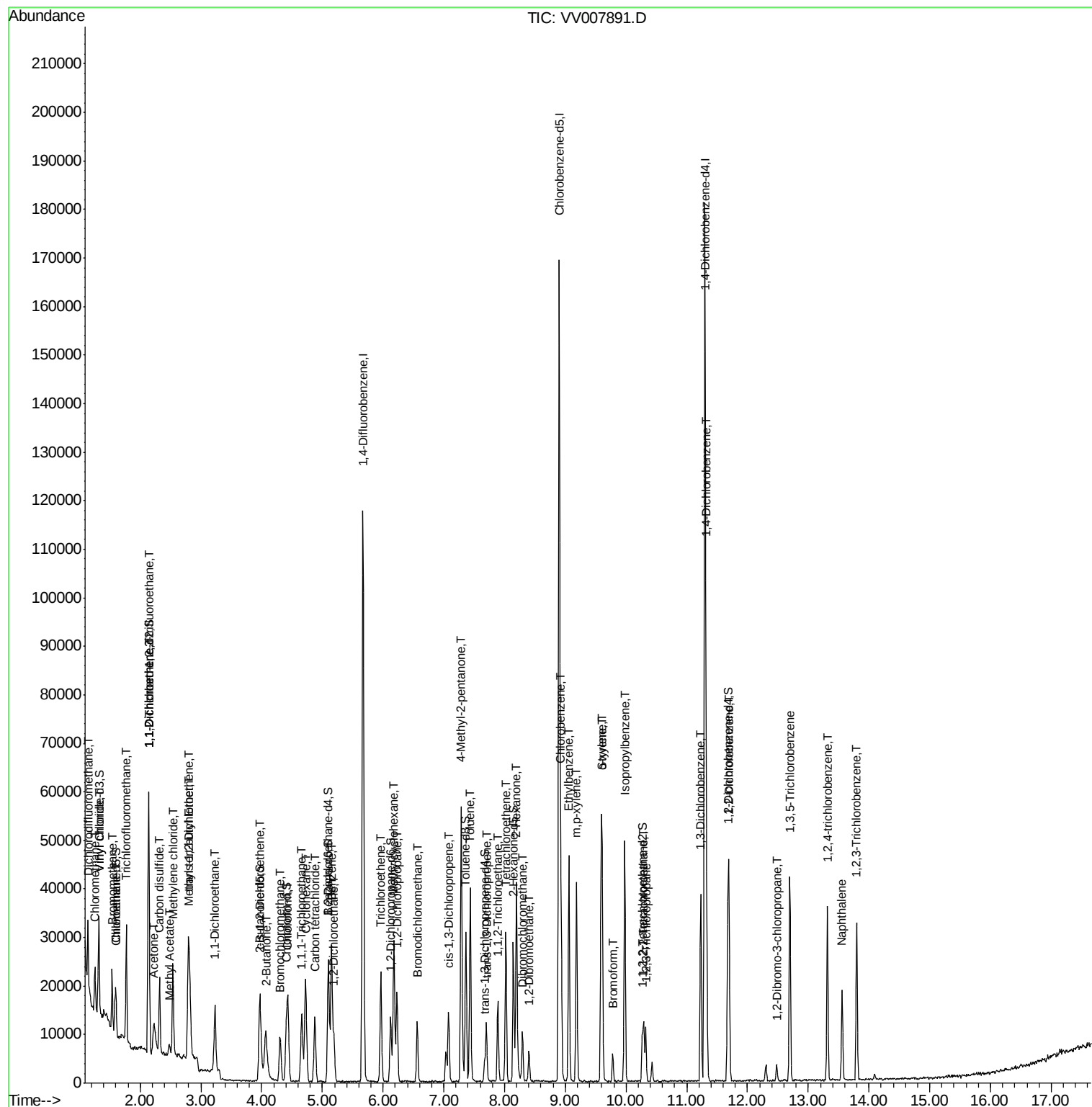
42) Toluene	7.43	91	28003	1.014	ug/L	98
44) trans-1,3-Dichloropropene	7.70	75	6652	0.961	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	4778	1.056	ug/L	98
47) Tetrachloroethene	8.02	164	6977	1.003	ug/L	95
48) 2-Hexanone	8.20	43	26846	11.361	ug/L	99
49) Dibromochloromethane	8.30	129	5062	0.914	ug/L	96
50) 1,2-Dibromoethane	8.40	107	4058	0.950	ug/L	95
51) Chlorobenzene	8.93	112	19544	1.023	ug/L	98
52) Ethylbenzene	9.06	91	31284	1.001	ug/L	100
53) m,p-xylene	9.18	106	11492	0.944	ug/L	98
54) o-xylene	9.59	106	11159	0.934	ug/L	94
55) Styrene	9.61	104	18290	0.927	ug/L	99
56) Isopropylbenzene	9.98	105	29854	0.914	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	5484	1.053	ug/L #	96
59) 1,2,3-Trichloropropane	10.32	75	4189	1.142	ug/L	98
61) Bromoform	9.78	173	2698	0.916	ug/L #	91
62) 1,3-Dichlorobenzene	11.23	146	16374	1.054	ug/L	97
63) 1,4-Dichlorobenzene	11.32	146	17243	1.099	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	15030	1.029	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	711	1.053	ug/L #	86
67) 1,3,5-Trichlorobenzene	12.70	180	13666	1.020	ug/L	98
68) 1,2,4-trichlorobenzene	13.32	180	11605	1.060	ug/L	98
69) Naphthalene	13.56	128	14441	0.891	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	10425	1.028	ug/L	100

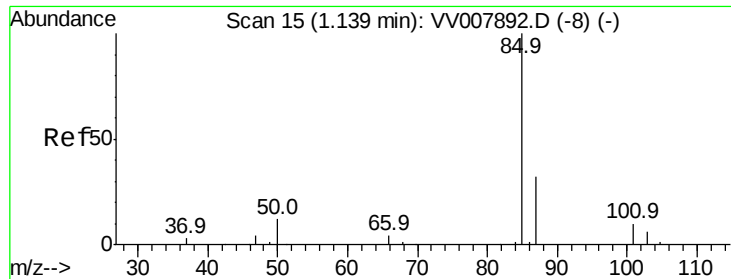
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 1.062 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV007891.D

Acq: 26 Sep 2018 19:01

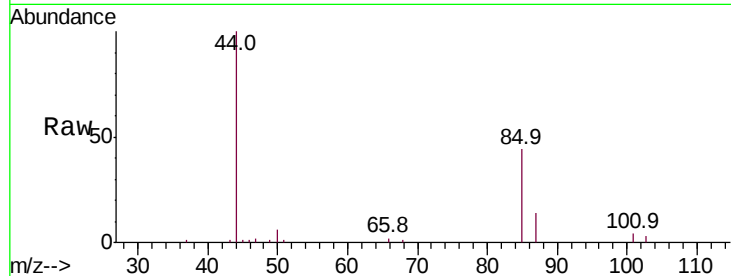
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 8350

Ion Ratio Lower Upper

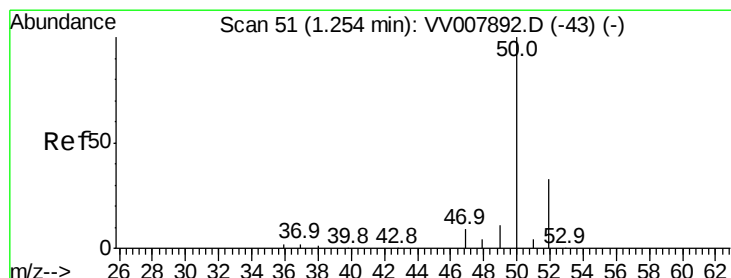
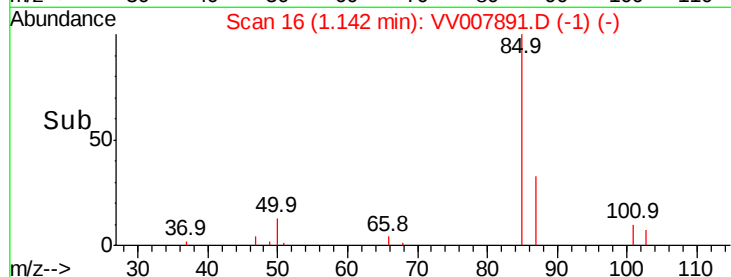
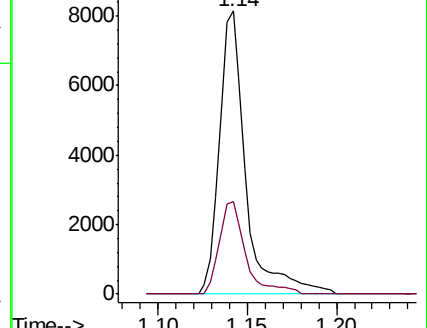
85 100

87 32.6 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VV007891.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV007891.D (-1) (-)



#3

Chloromethane

Concen: 1.155 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV007891.D

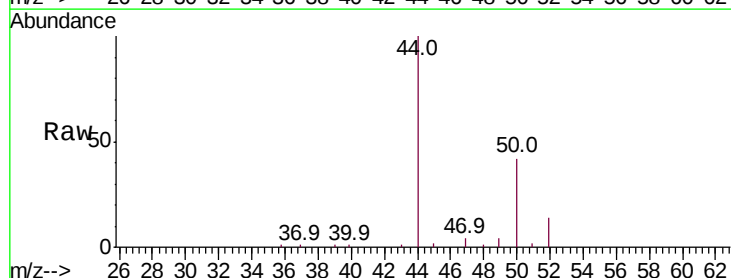
Acq: 26 Sep 2018 19:01

Tgt Ion: 50 Resp: 7331

Ion Ratio Lower Upper

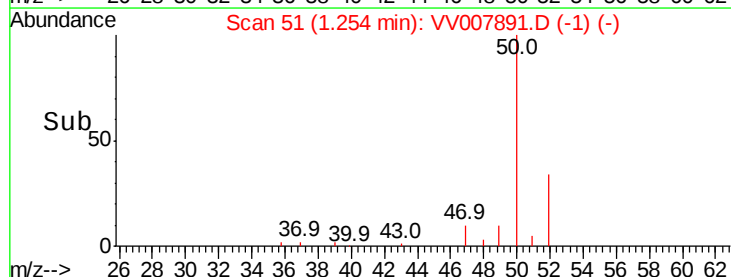
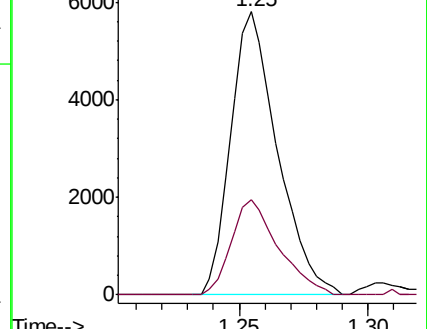
50 100

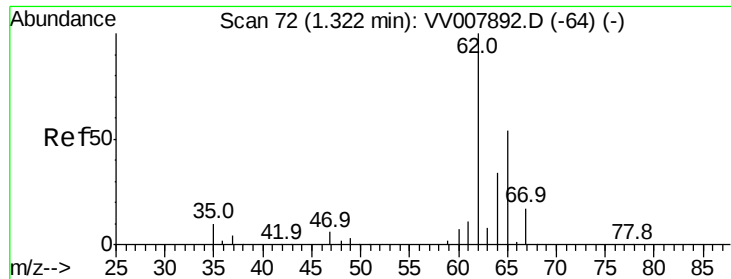
52 33.8 23.4 43.4



Abundance Ion 50.05 (49.75 to 50.75): VV007891.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VV007891.D (-1) (-)





#5

Vinyl chloride

Concen: 1.122 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV007891.D

Acq: 26 Sep 2018 19:01

Instrument :

MSVOA_V

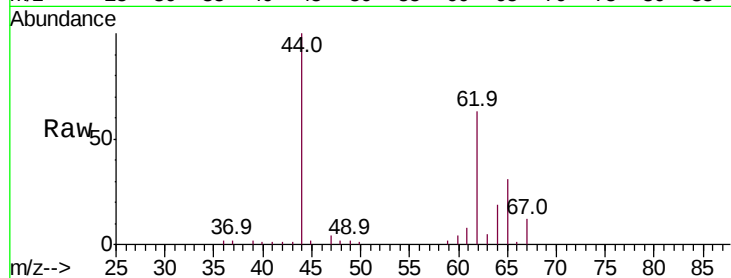
ClientSampleId :

Tot Ion: 62 Resp: 8089

Ion Ratio Lower Upper

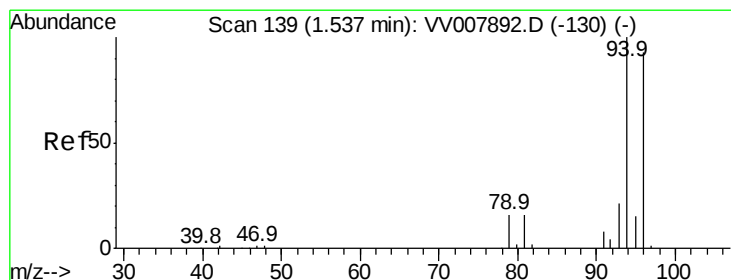
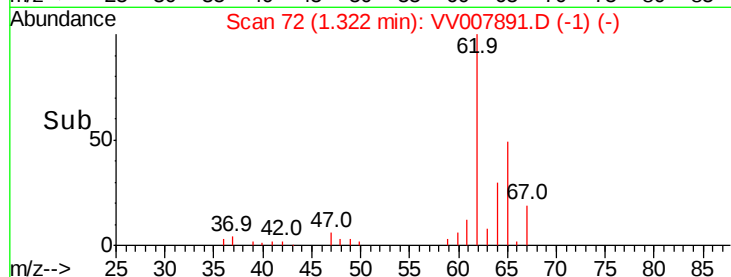
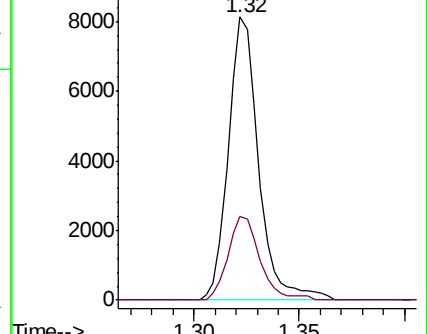
62 100

64 29.7 24.0 44.6



Abundance Ion 62.00 (61.70 to 62.70): VV007891.D (-64) (-)

Ion 64.10 (63.80 to 64.80): VV007891.D (-64) (-)



#6

Bromomethane

Concen: 1.030 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV007891.D

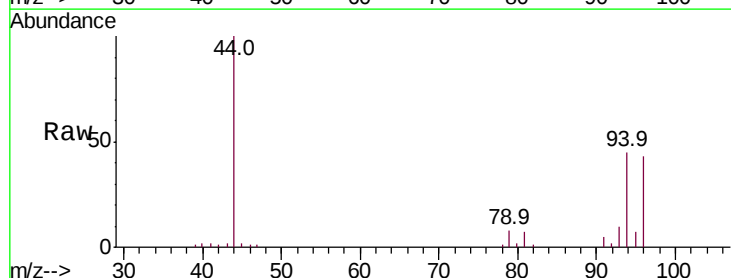
Acq: 26 Sep 2018 19:01

Tgt Ion: 94 Resp: 4880

Ion Ratio Lower Upper

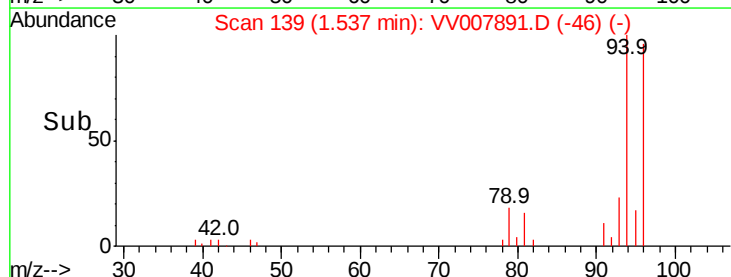
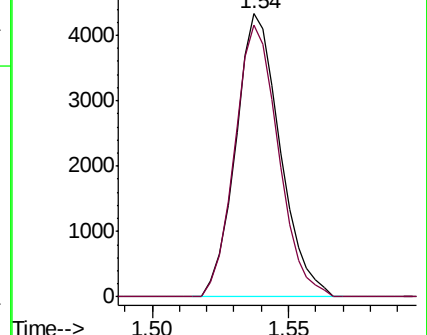
94 100

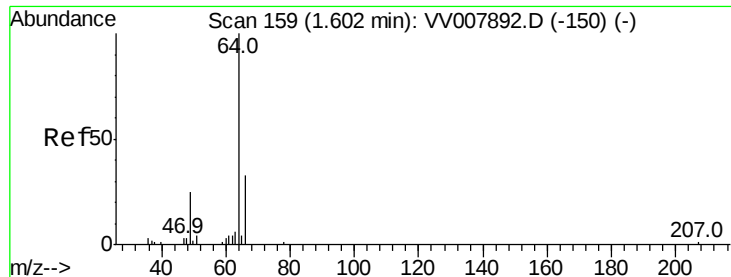
96 96.1 65.2 121.2



Abundance Ion 94.00 (93.70 to 94.70): VV007891.D (-130) (-)

Ion 96.00 (95.70 to 96.70): VV007891.D (-130) (-)





#8

Chloroethane

Concen: 1.078 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV007891.D

Acq: 26 Sep 2018 19:01

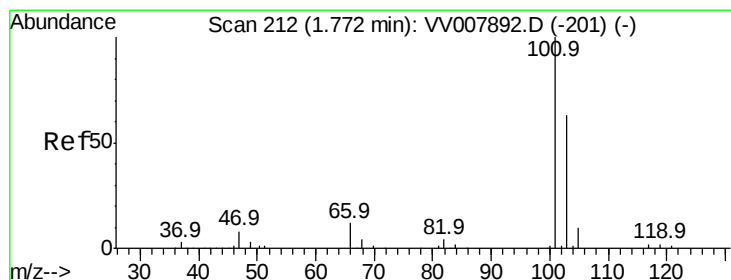
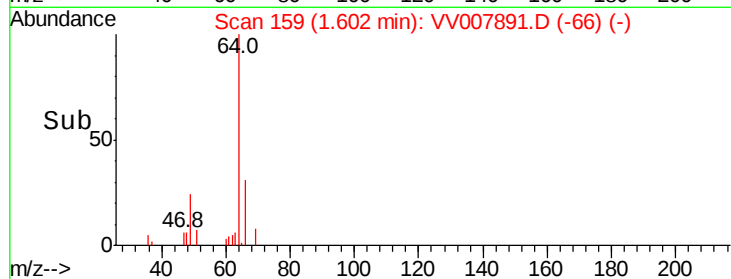
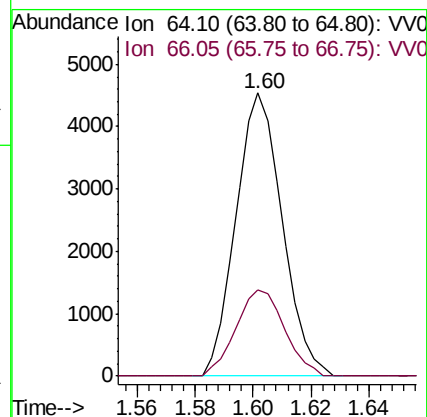
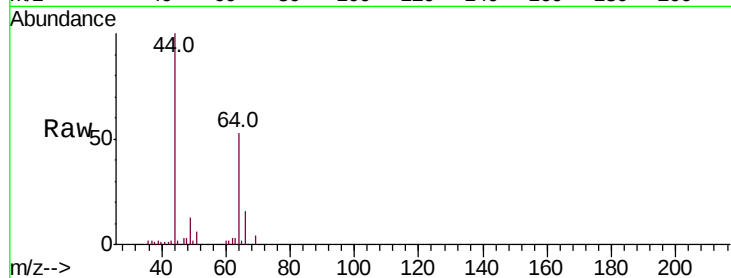
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 5023

Ion Ratio Lower Upper

64 100

66 30.7 23.1 42.9



#9

Trichlorofluoromethane

Concen: 0.909 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV007891.D

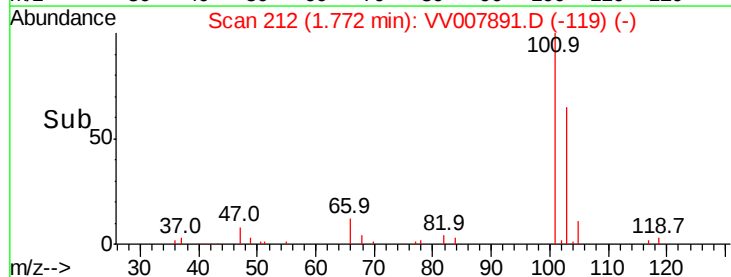
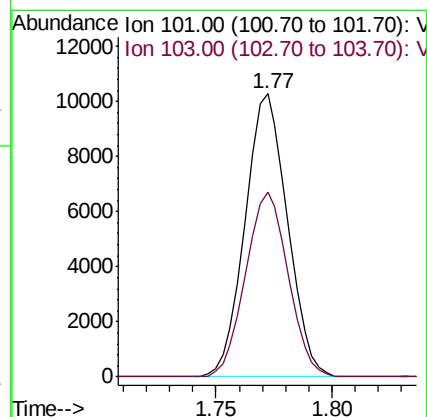
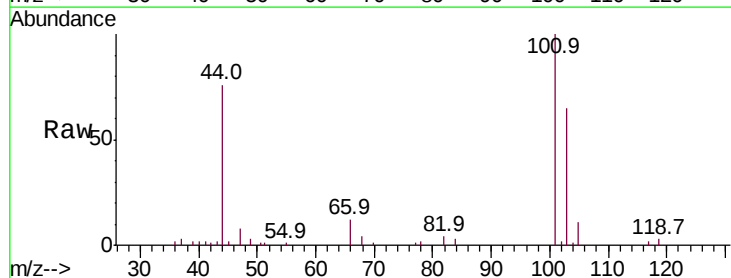
Acq: 26 Sep 2018 19:01

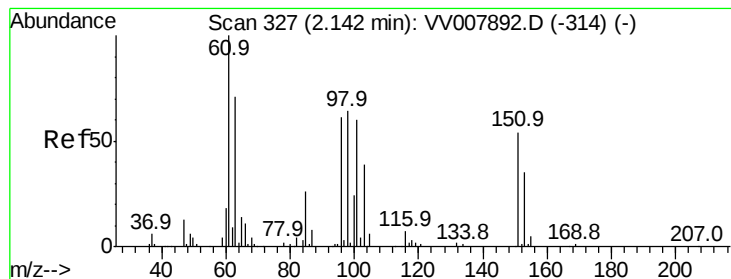
Tgt Ion: 101 Resp: 13057

Ion Ratio Lower Upper

101 100

103 65.6 51.5 77.3





#10

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

Concen: 0.924 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV007891.D

Acq: 26 Sep 2018 19:01

Instrument :

MSVOA_V

ClientSampled :

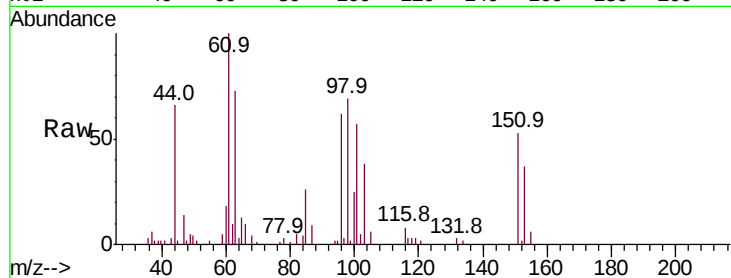
Tot Ion:101 Resp: 7261

Ion Ratio Lower Upper

101 100

85 44.2 34.7 52.1

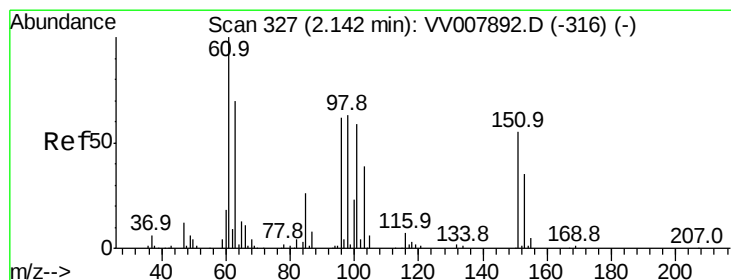
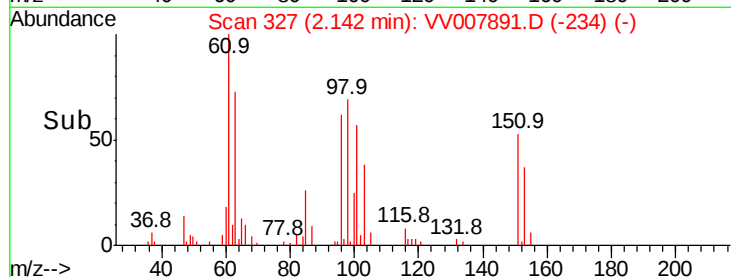
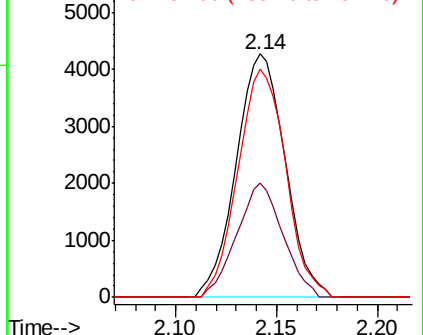
151 91.3 72.2 108.2



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: 0.961 ug/L

RT: 2.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV007891.D

Acq: 26 Sep 2018 19:01

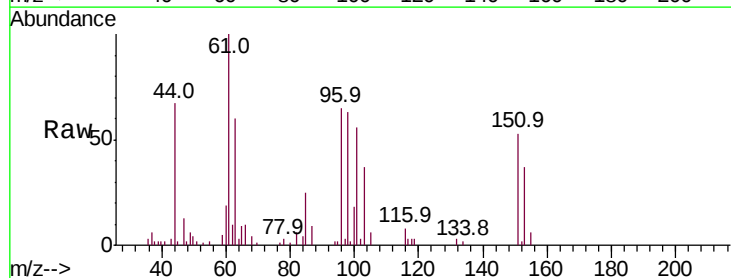
Tgt Ion: 96 Resp: 6674

Ion Ratio Lower Upper

96 100

61 155.0 114.1 211.9

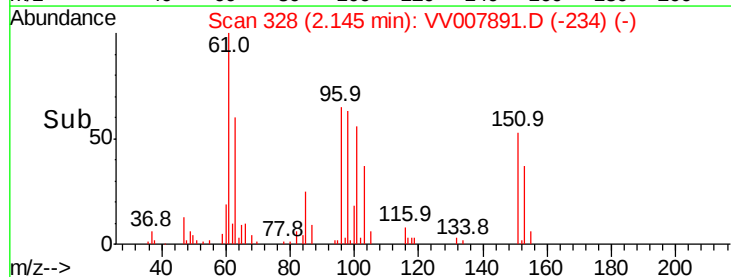
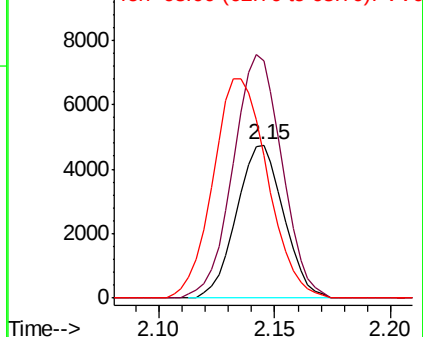
63 92.9 81.5 151.3

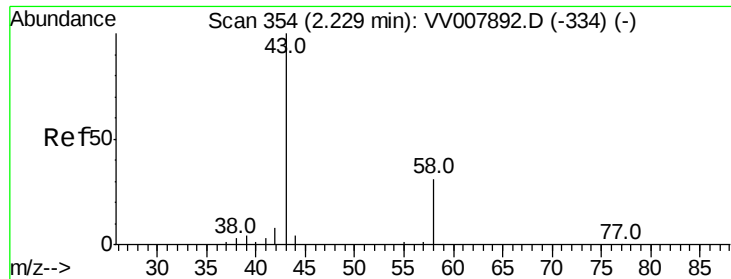


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 11.814 ug/L

RT: 2.23 min Scan# 354

Delta R.T. 0.00 min

Lab File: VV007891.D

Acq: 26 Sep 2018 19:01

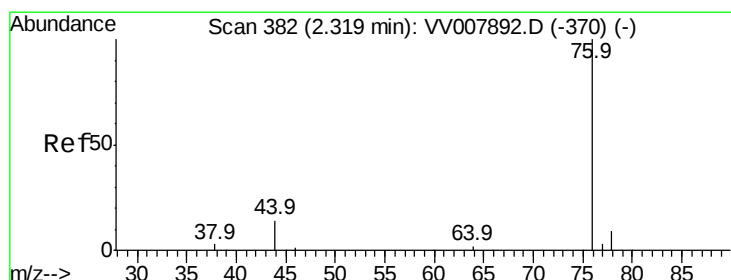
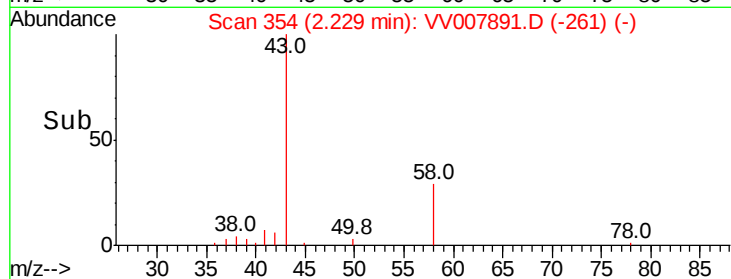
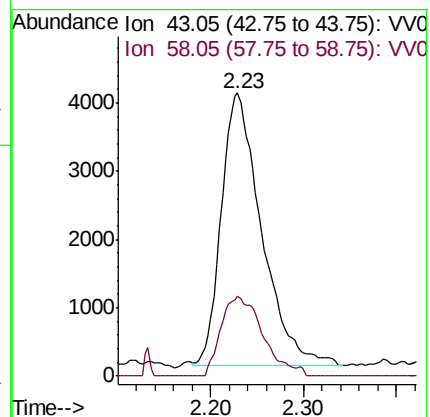
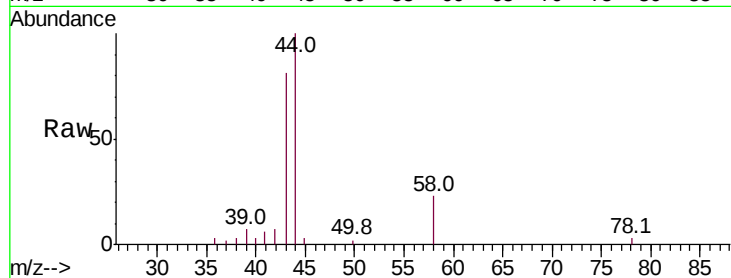
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 11962

Ion Ratio Lower Upper

43 100

58 30.0 0.0 62.0



#14

Carbon disulfide

Concen: 0.929 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV007891.D

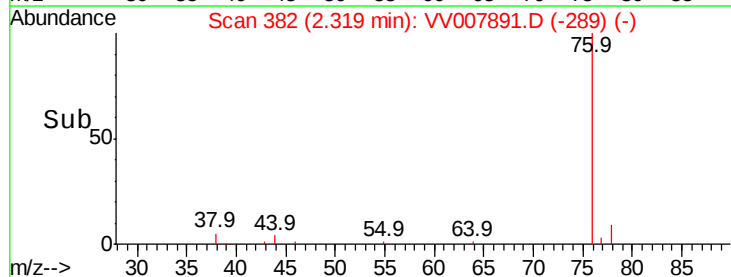
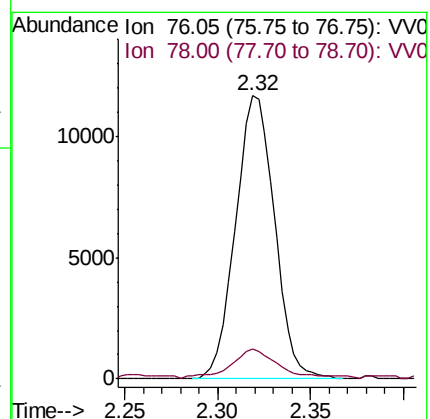
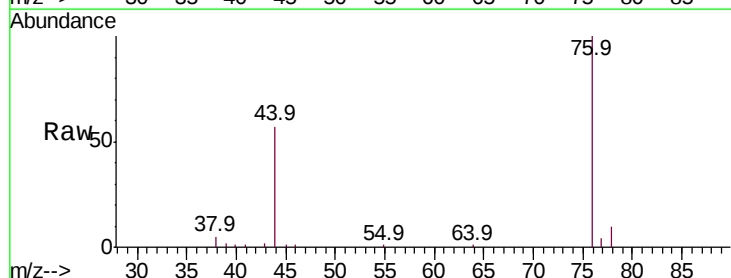
Acq: 26 Sep 2018 19:01

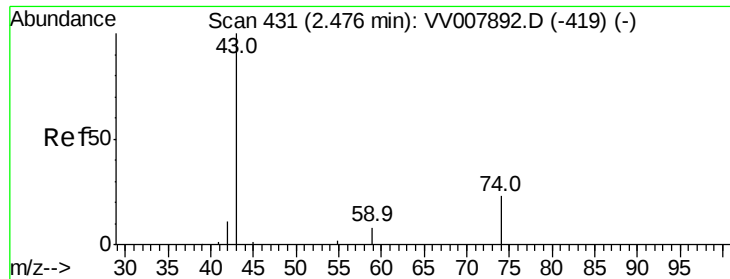
Tgt Ion: 76 Resp: 17090

Ion Ratio Lower Upper

76 100

78 10.4 7.2 10.8

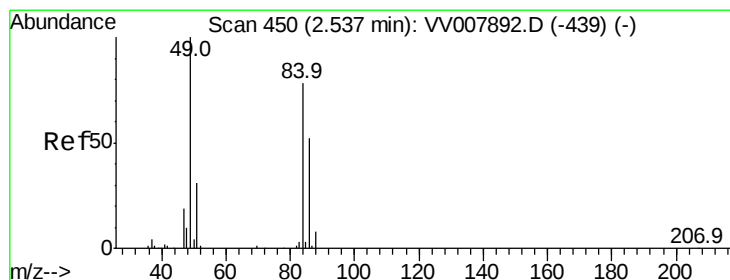
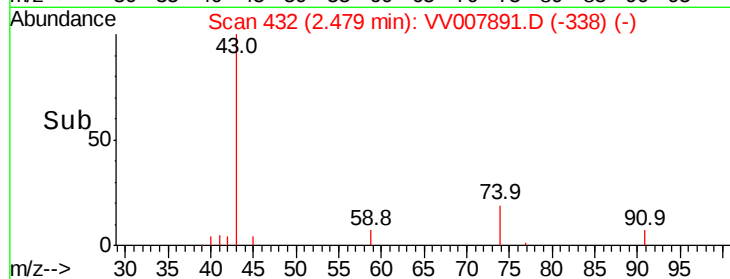
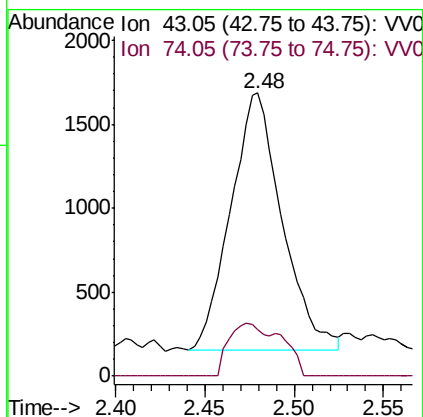
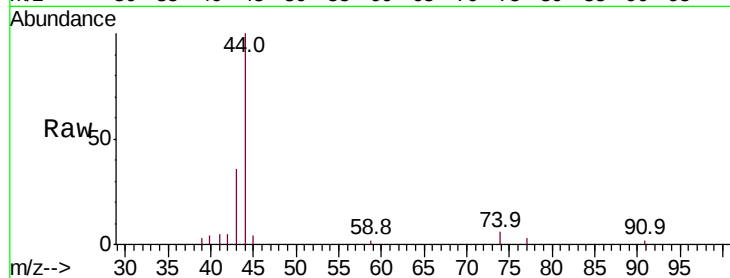




#15
Methyl Acetate
Concen: 1.255 ug/L
RT: 2.48 min Scan# 432
Delta R.T. 0.00 min
Lab File: VV007891.D
Acq: 26 Sep 2018 19:01

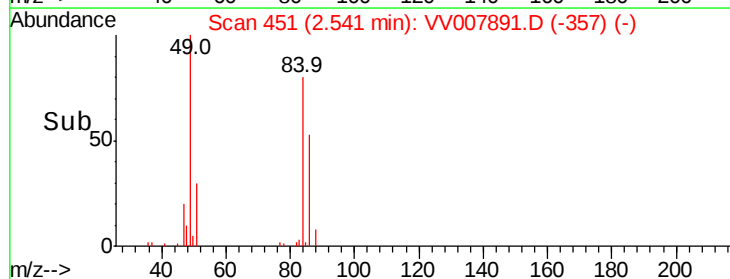
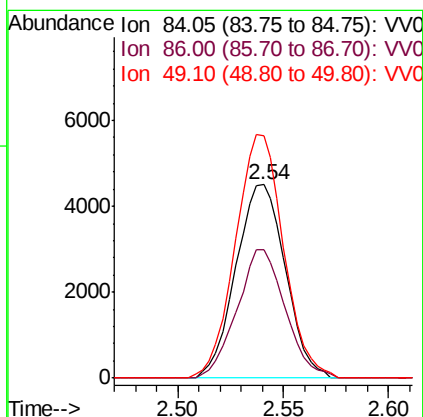
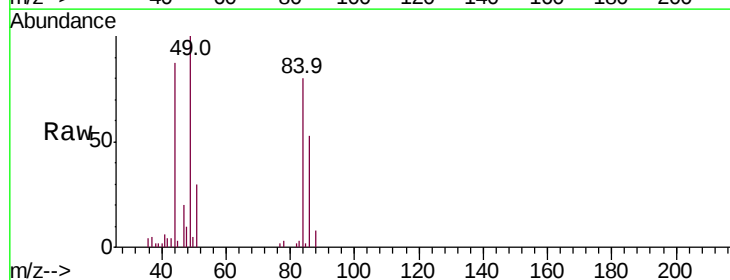
Instrument :
MSVOA_V
ClientSampleId :

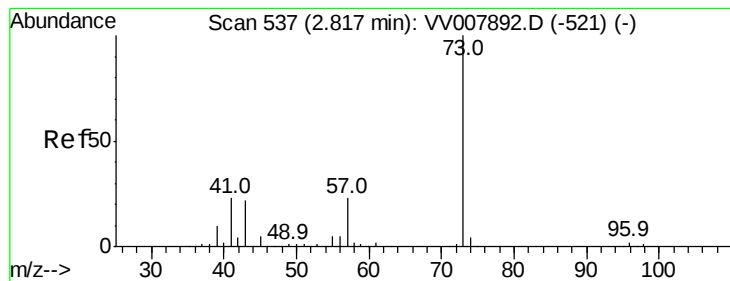
Tot Ion: 43 Resp: 3067
Ion Ratio Lower Upper
43 100
74 21.0 19.5 29.3



#16
Methylene chloride
Concen: 1.027 ug/L
RT: 2.54 min Scan# 451
Delta R.T. 0.00 min
Lab File: VV007891.D
Acq: 26 Sep 2018 19:01

Tgt Ion: 84 Resp: 7339
Ion Ratio Lower Upper
84 100
86 66.4 47.3 87.8
49 125.7 90.0 167.2



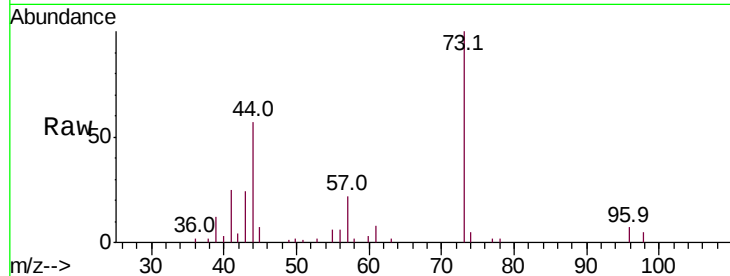


#17

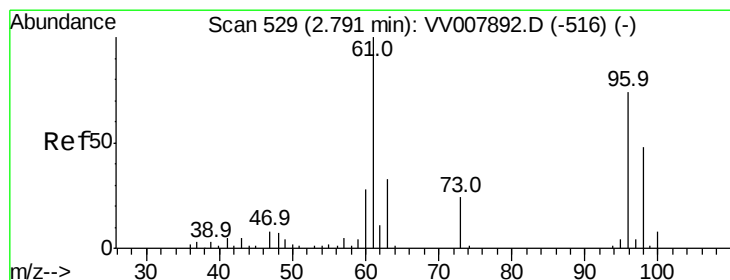
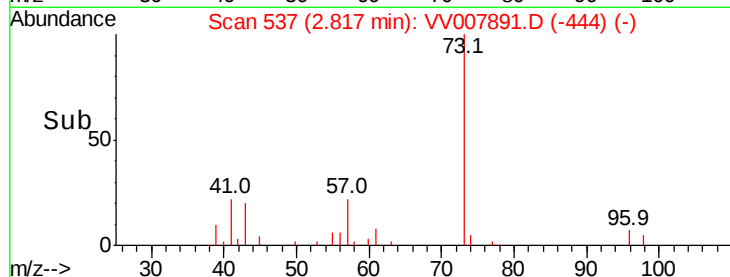
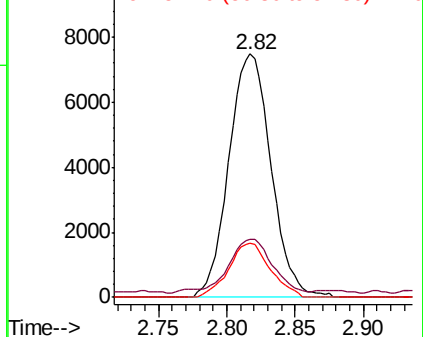
Methvl tert-butvl Ether
 Concen: 0.983 ug/L
 RT: 2.82 min Scan# 537
 Delta R.T. 0.00 min
 Lab File: VV007891.D
 Acq: 26 Sep 2018 19:01

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 73 Resp: 16083
 Ion Ratio Lower Upper
 73 100
 43 22.1 16.8 25.2
 57 21.8 17.6 26.4



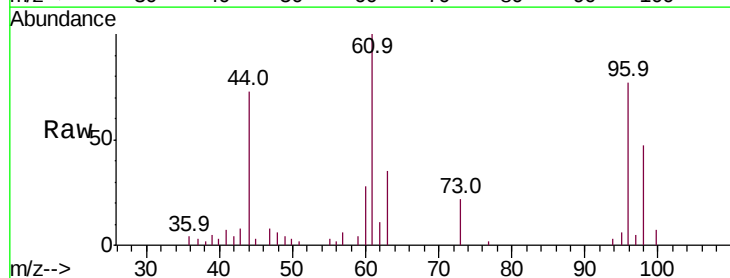
Abundance Ion 73.10 (72.80 to 73.80): VV0
 Ion 43.05 (42.75 to 43.75): VV0
 Ion 57.10 (56.80 to 57.80): VV0



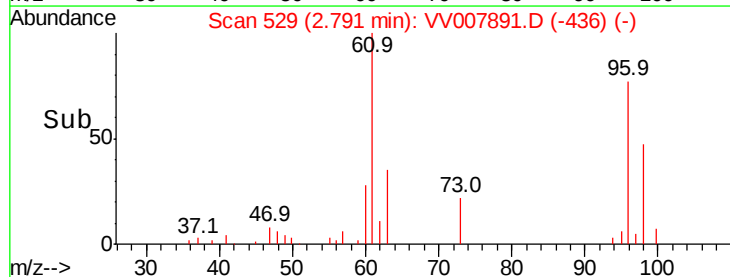
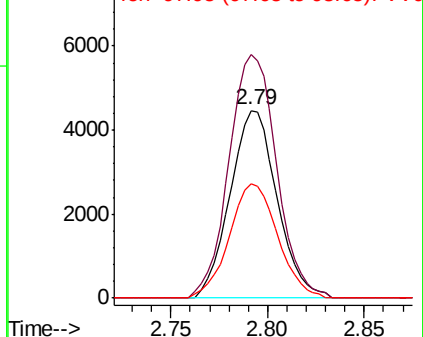
#18

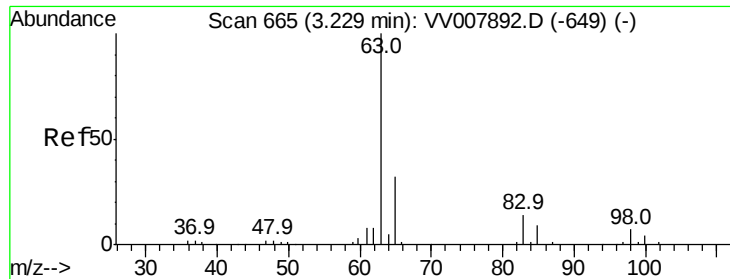
trans-1,2-Dichloroethene
 Concen: 0.992 ug/L
 RT: 2.79 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VV007891.D
 Acq: 26 Sep 2018 19:01

Tgt Ion: 96 Resp: 7543
 Ion Ratio Lower Upper
 96 100
 61 129.8 94.2 175.0
 98 61.1 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

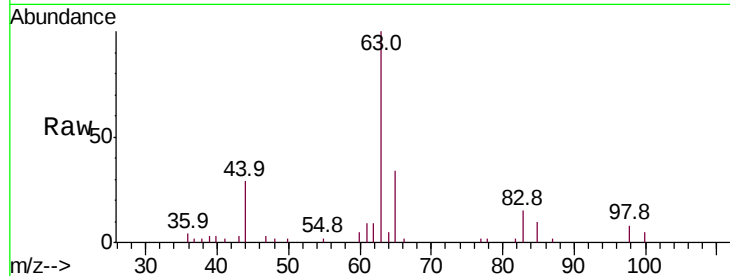




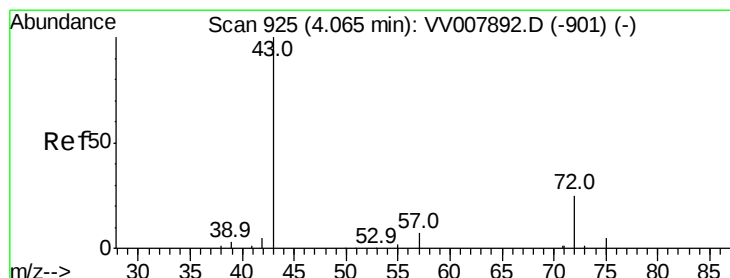
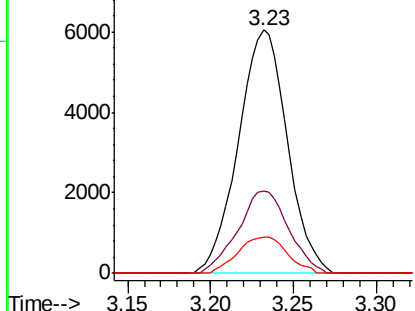
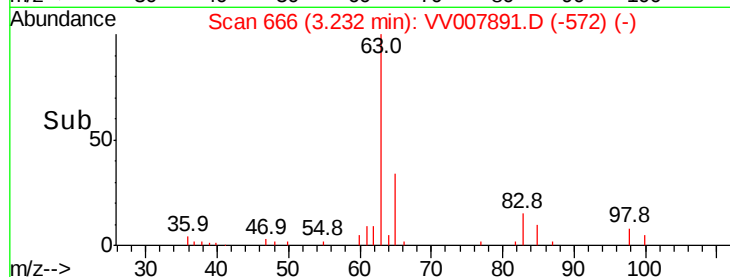
#19
 1,1-Dichloroethane
 Concen: 1.149 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VV007891.D
 Acq: 26 Sep 2018 19:01

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 63 Resp: 12422
 Ion Ratio Lower Upper
 63 100
 65 34.0 22.3 41.5
 83 14.8 9.8 18.2

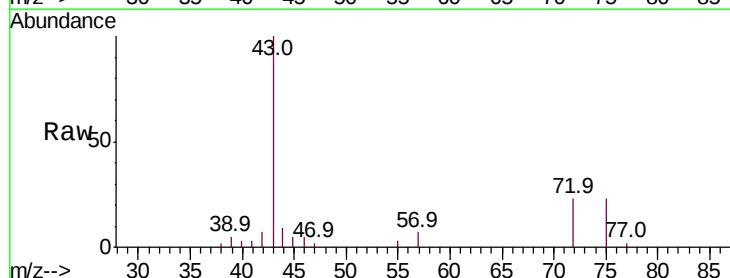


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

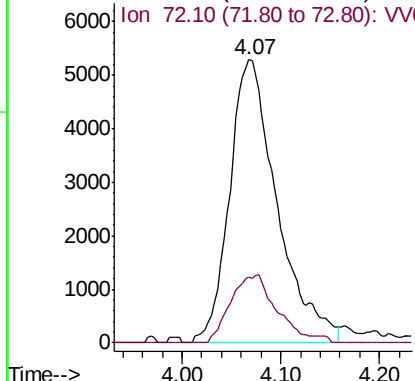
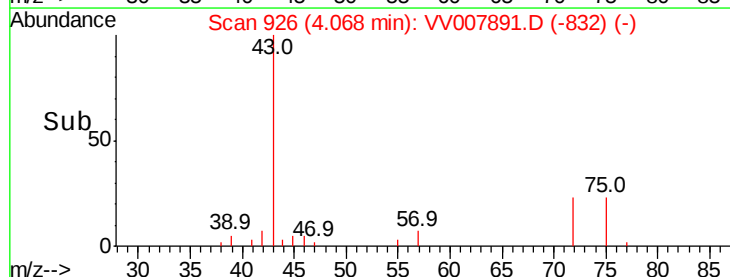


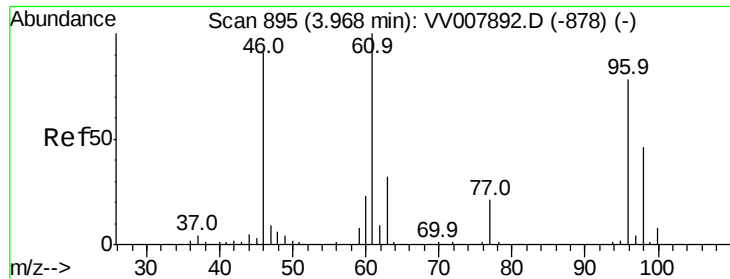
#21
 2-Butanone
 Concen: 13.188 ug/L
 RT: 4.07 min Scan# 926
 Delta R.T. 0.00 min
 Lab File: VV007891.D
 Acq: 26 Sep 2018 19:01

Tgt Ion: 43 Resp: 17705
 Ion Ratio Lower Upper
 43 100
 72 23.7 12.5 37.5



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



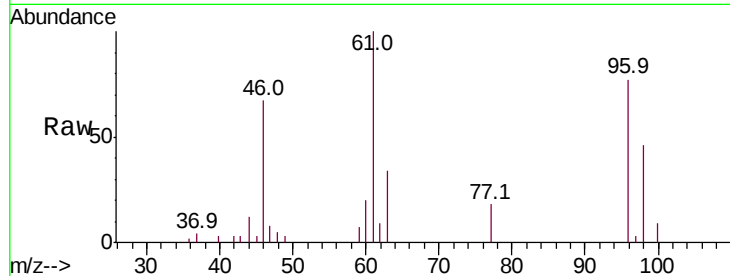


#22

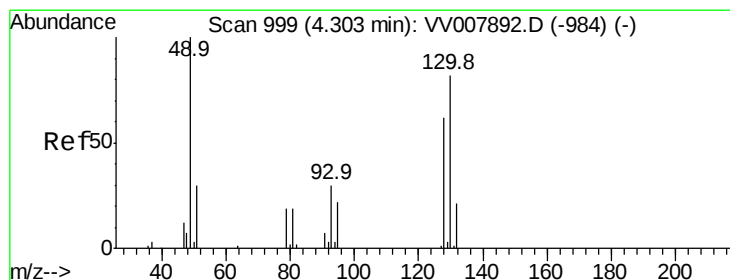
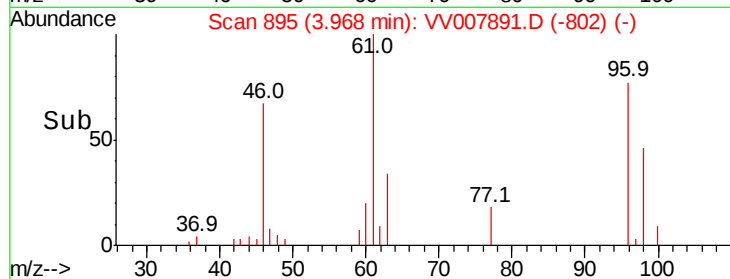
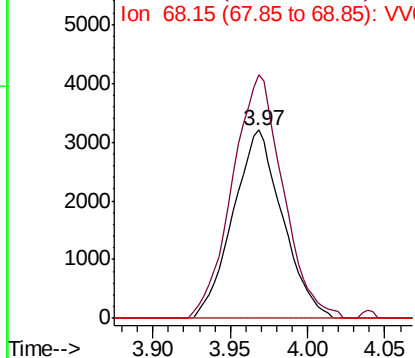
cis-1,2-Dichloroethene
Concen: 1.026 ug/L
RT: 3.97 min Scan# 895
Delta R.T. 0.00 min
Lab File: VV007891.D
Acq: 26 Sep 2018 19:01

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 96 Resp: 7142
Ion Ratio Lower Upper
96 100
61 129.4 89.5 166.1
68 0.0 0.0 0.0



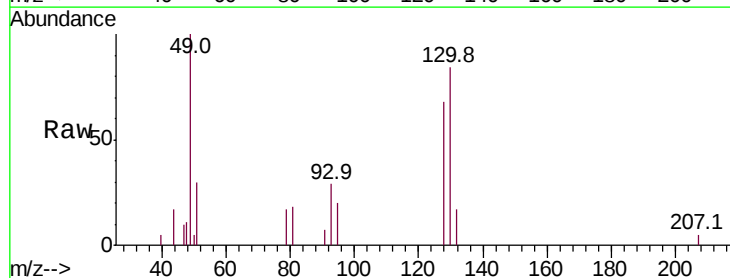
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



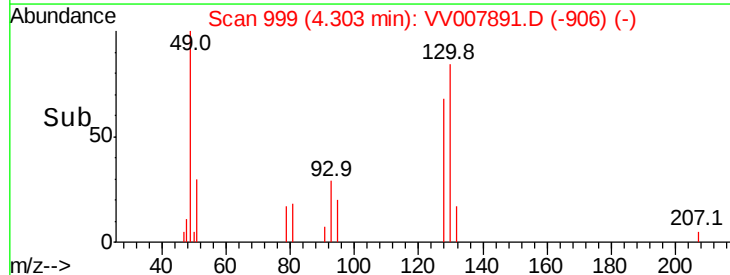
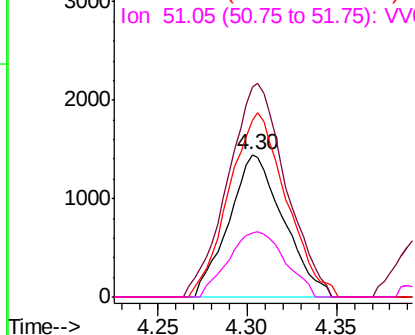
#23

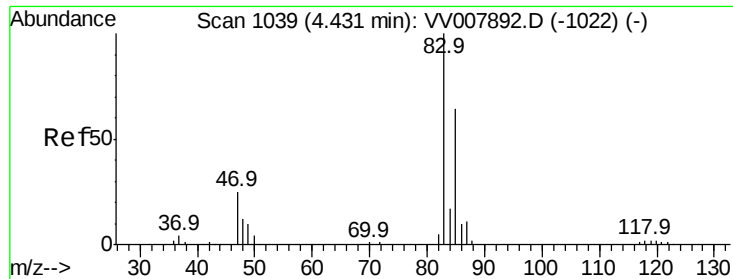
Bromochloromethane
Concen: 0.984 ug/L
RT: 4.30 min Scan# 999
Delta R.T. 0.00 min
Lab File: VV007891.D
Acq: 26 Sep 2018 19:01

Tgt Ion: 128 Resp: 3085
Ion Ratio Lower Upper
128 100
49 147.0 112.8 209.4
130 123.9 92.3 171.5
51 44.7 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

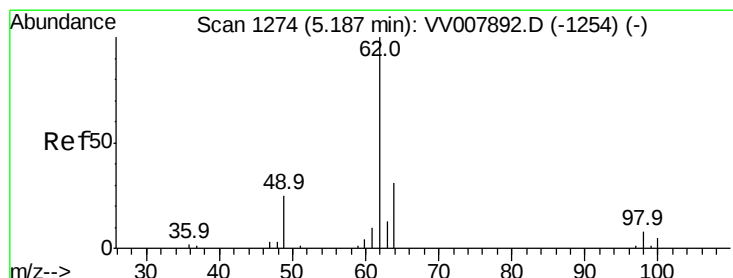
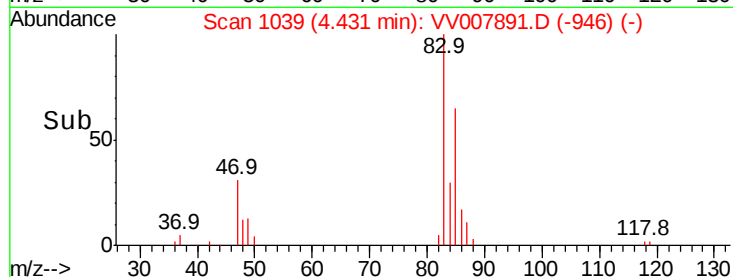
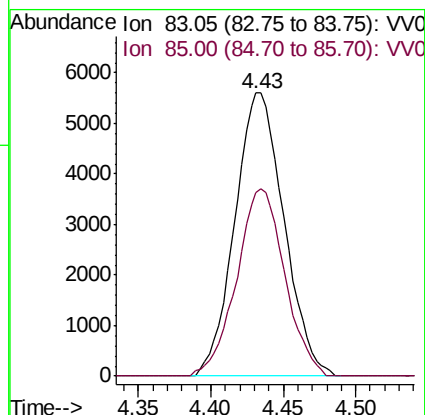
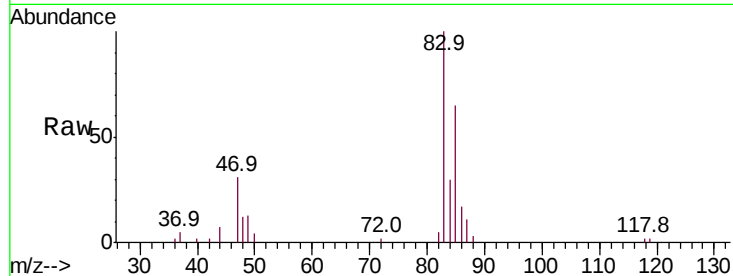




#25
Chloroform
Concen: 1.136 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.00 min
Lab File: VV007891.D
Acq: 26 Sep 2018 19:01

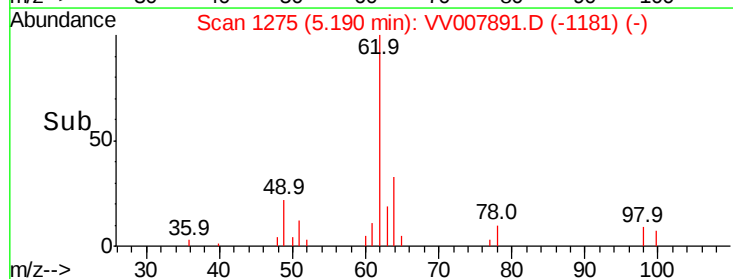
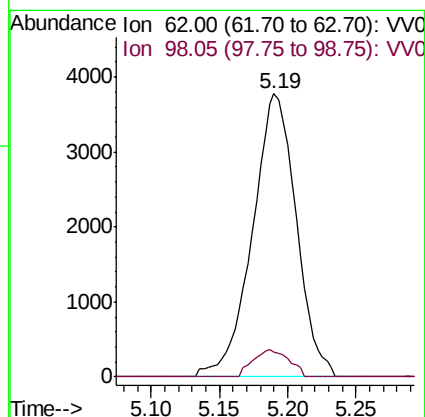
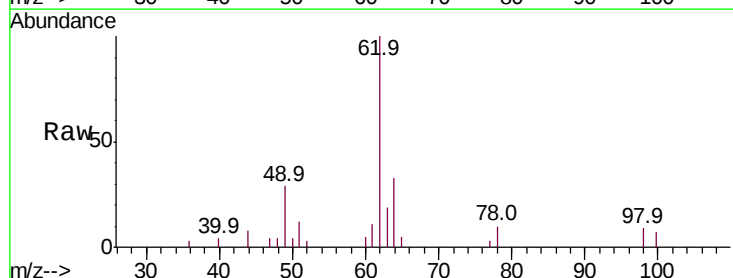
Instrument :
MSVOA_V
ClientSampled :

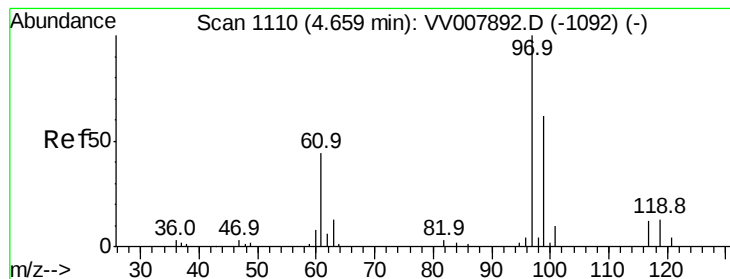
Tot Ion: 83 Resp: 13193
Ion Ratio Lower Upper
83 100
85 64.9 44.8 83.2



#27
1,2-Dichloroethane
Concen: 1.184 ug/L
RT: 5.19 min Scan# 1275
Delta R.T. 0.00 min
Lab File: VV007891.D
Acq: 26 Sep 2018 19:01

Tgt Ion: 62 Resp: 8439
Ion Ratio Lower Upper
62 100
98 8.9 6.6 10.0





#29

1,1,1-Trichloroethane

Concen: 1.040 ug/L

RT: 4.66 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VV007891.D

Acq: 26 Sep 2018 19:01

Instrument :

MSVOA_V

ClientSampleId :

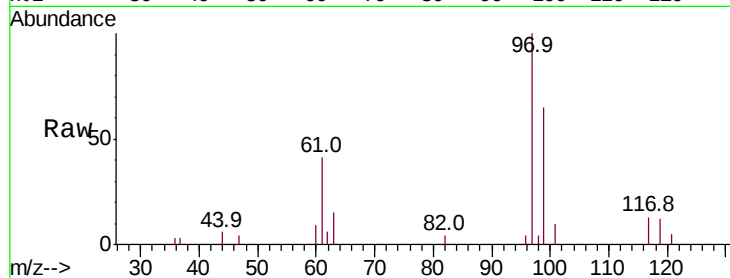
Tot Ion: 97 Resp: 11222

Ion Ratio Lower Upper

97 100

99 62.1 51.2 76.8

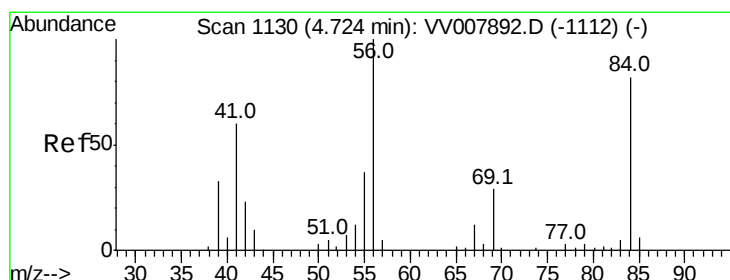
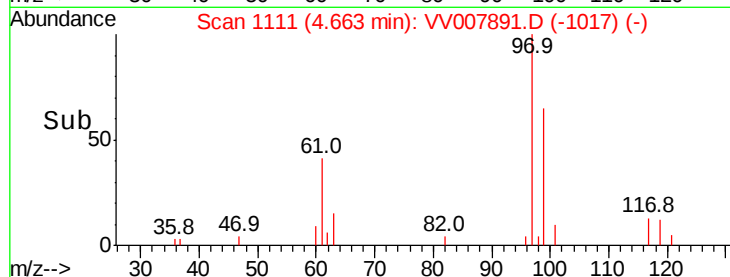
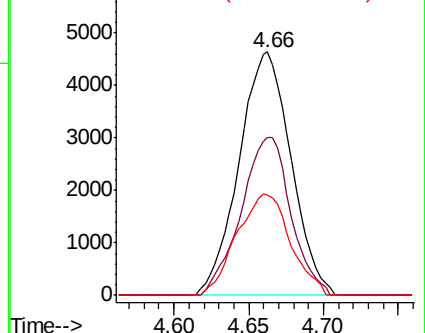
61 42.8 34.6 52.0



Abundance Ion 96.95 (96.65 to 97.65): VV007891.D (-1092) (-)

Ion 99.05 (98.75 to 99.75): VV007891.D (-1092) (-)

Ion 61.05 (60.75 to 61.75): VV007891.D (-1092) (-)



#30

Cyclohexane

Concen: 1.126 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VV007891.D

Acq: 26 Sep 2018 19:01

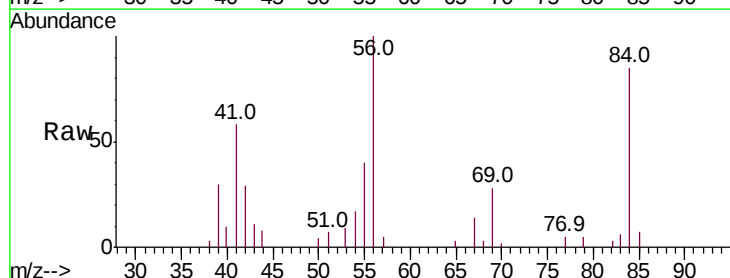
Tgt Ion: 56 Resp: 10584

Ion Ratio Lower Upper

56 100

69 28.3 24.2 36.4

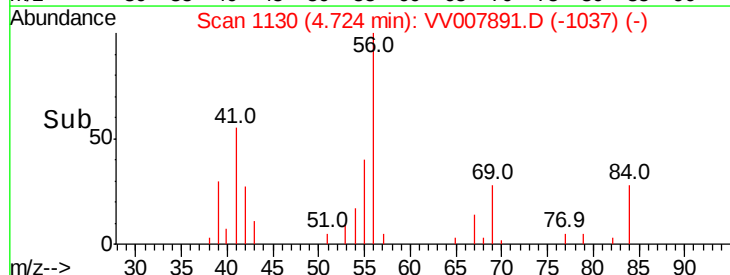
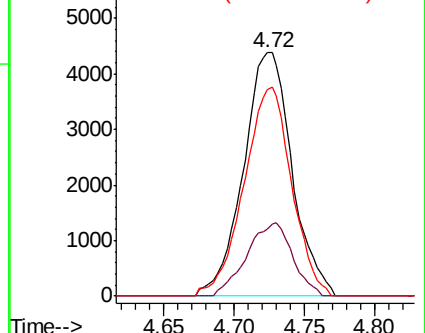
84 83.9 69.8 104.8

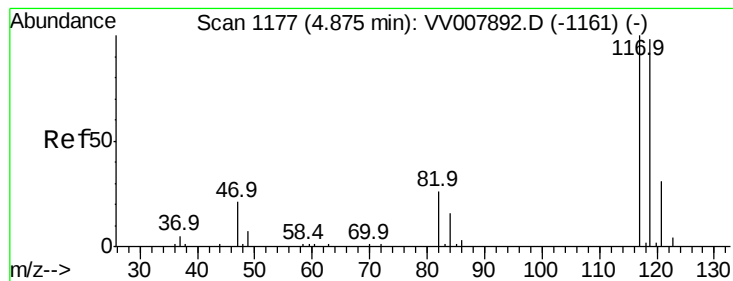


Abundance Ion 56.10 (55.80 to 56.80): VV007891.D (-1037) (-)

Ion 69.15 (68.85 to 69.85): VV007891.D (-1037) (-)

Ion 84.15 (83.85 to 84.85): VV007891.D (-1037) (-)





#31

Carbon tetrachloride

Concen: 0.969 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VV007891.D

Acq: 26 Sep 2018 19:01

Instrument :

MSVOA_V

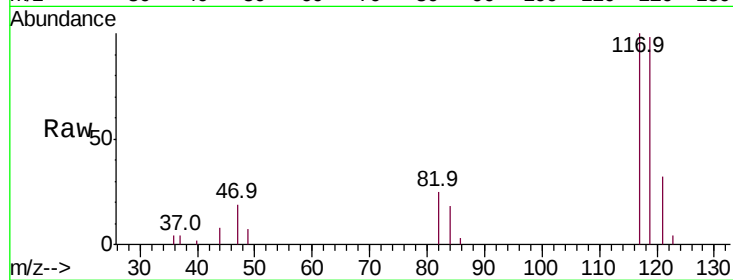
ClientSampleId :

Tot Ion:117 Resp: 9488

Ion Ratio Lower Upper

117 100

119 99.1 77.8 116.8

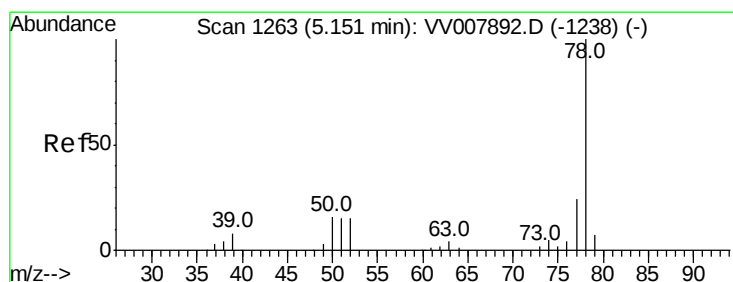
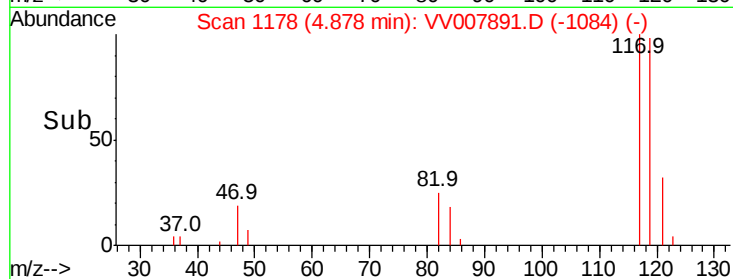


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.88

Time-->



#33

Benzene

Concen: 1.083 ug/L

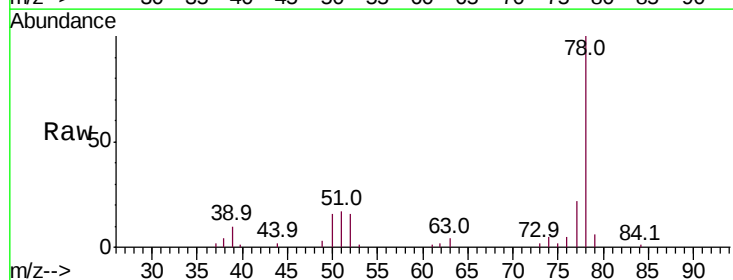
RT: 5.15 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VV007891.D

Acq: 26 Sep 2018 19:01

Tgt Ion: 78 Resp: 26598



Abundance Ion 78.10 (77.80 to 78.80): VV0

15000

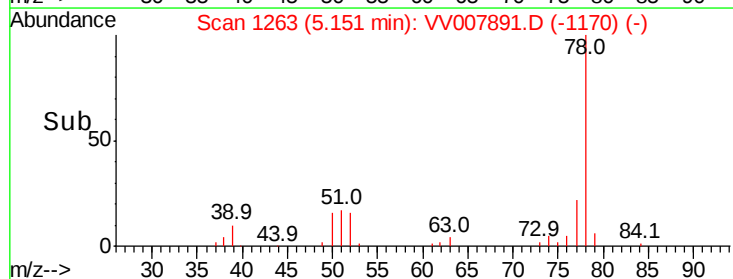
10000

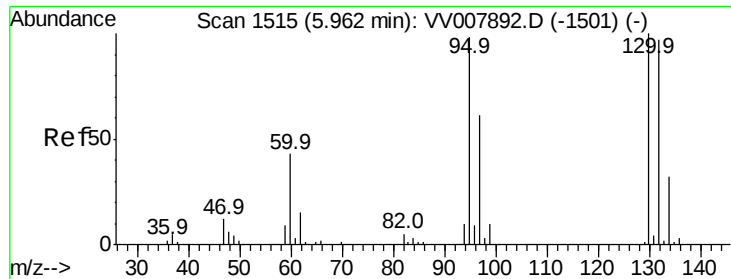
5000

0

5.05 5.10 5.15 5.20 5.25

Time-->

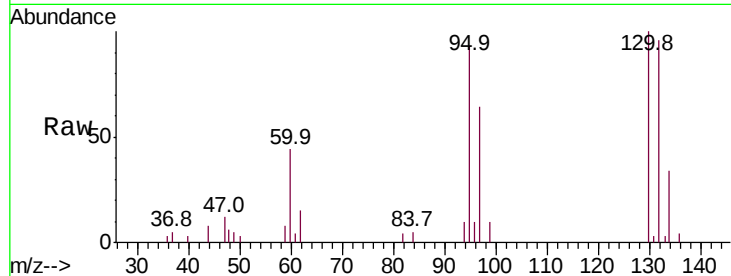




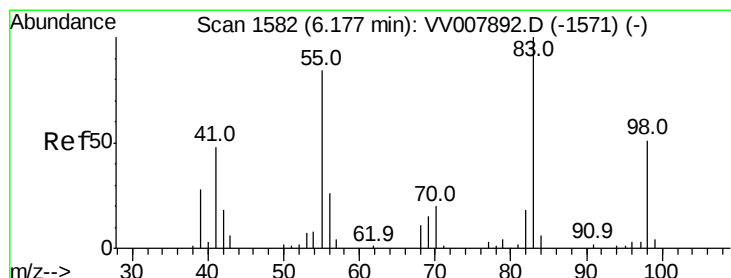
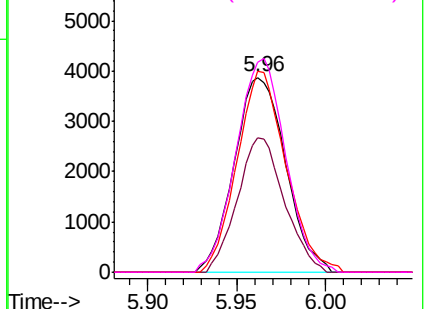
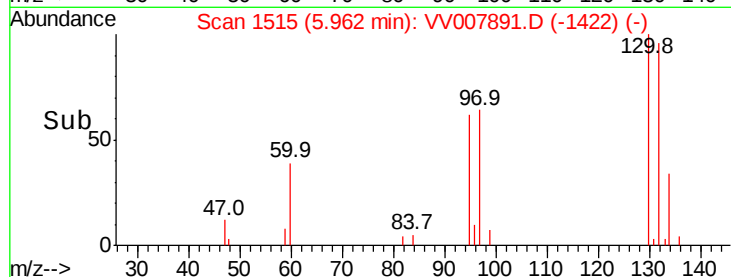
#34
 Trichloroethene
 Concen: 1.093 ug/L
 RT: 5.96 min Scan# 1515
 Delta R.T. 0.00 min
 Lab File: VV007891.D
 Acq: 26 Sep 2018 19:01

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 7818
 Ion Ratio Lower Upper
 95 100
 97 68.9 43.6 81.0
 132 103.4 69.9 129.9
 130 107.6 71.7 133.3

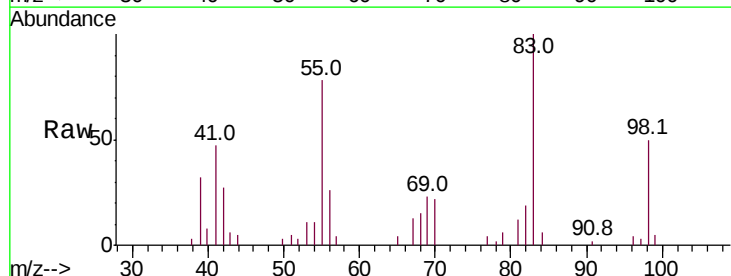


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

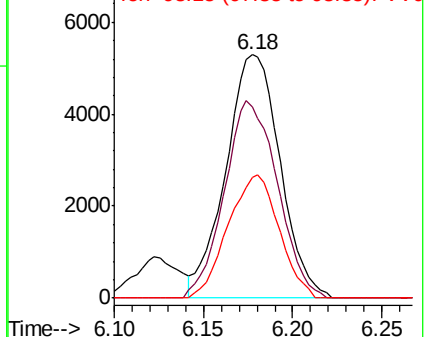
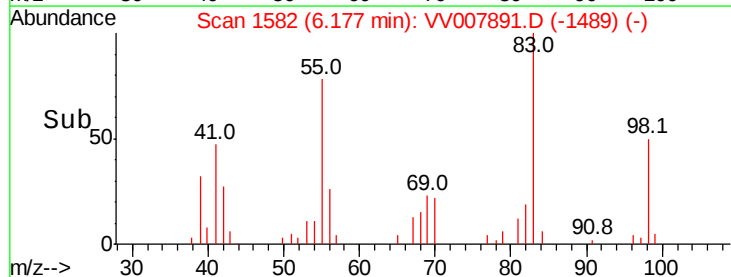


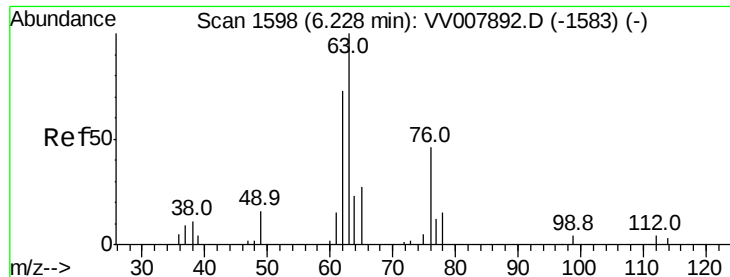
#35
 Methylcyclohexane
 Concen: 1.022 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: VV007891.D
 Acq: 26 Sep 2018 19:01

Tgt Ion: 83 Resp: 11223
 Ion Ratio Lower Upper
 83 100
 55 79.3 62.2 93.2
 98 47.6 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

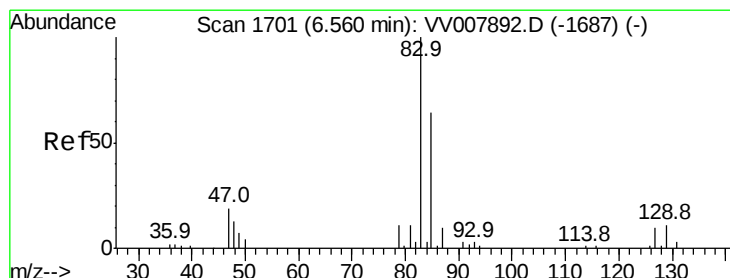
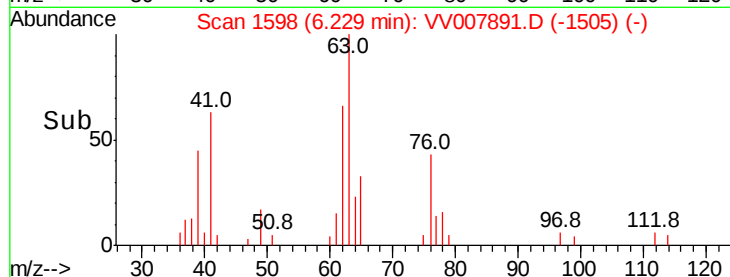
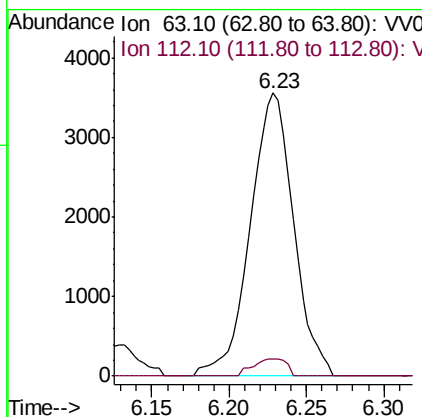
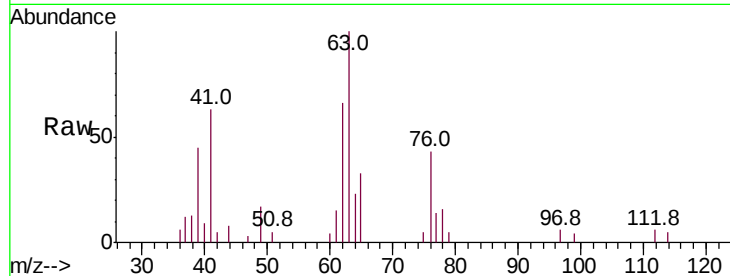




#37
 1,2-Dichloropropane
 Concen: 1.161 ug/L
 RT: 6.23 min Scan# 1598
 Delta R.T. 0.00 min
 Lab File: VV007891.D
 Acq: 26 Sep 2018 19:01

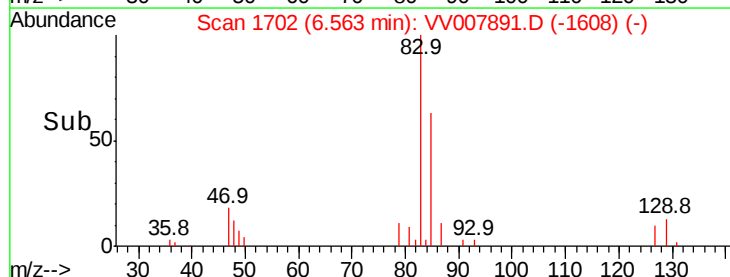
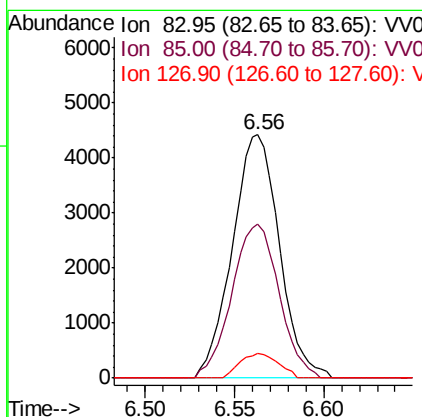
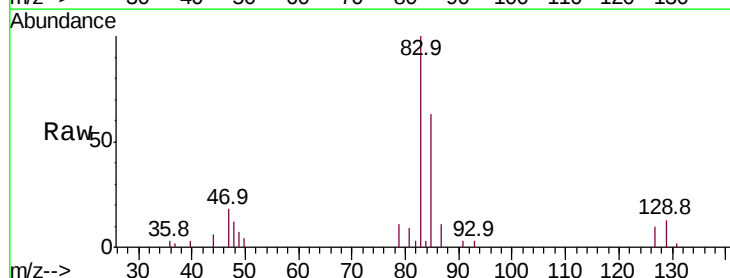
Instrument :
 MSVOA_V
 ClientSampleId :

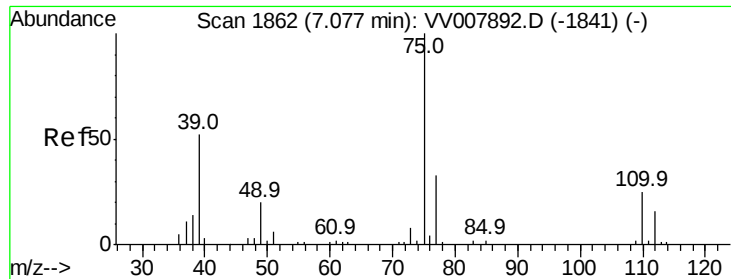
Tot Ion: 63 Resp: 6942
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.4 5.0



#38
 Bromodichloromethane
 Concen: 1.048 ug/L
 RT: 6.56 min Scan# 1702
 Delta R.T. 0.00 min
 Lab File: VV007891.D
 Acq: 26 Sep 2018 19:01

Tgt Ion: 83 Resp: 8109
 Ion Ratio Lower Upper
 83 100
 85 63.2 44.7 82.9
 127 9.9 7.8 11.6

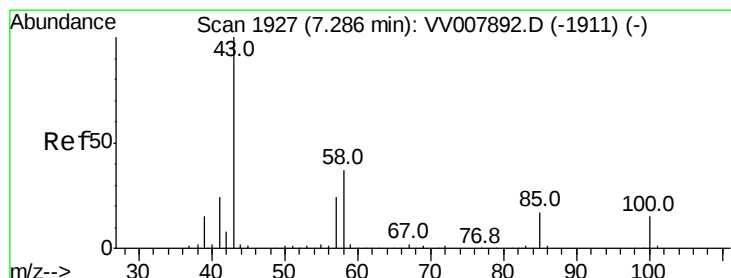
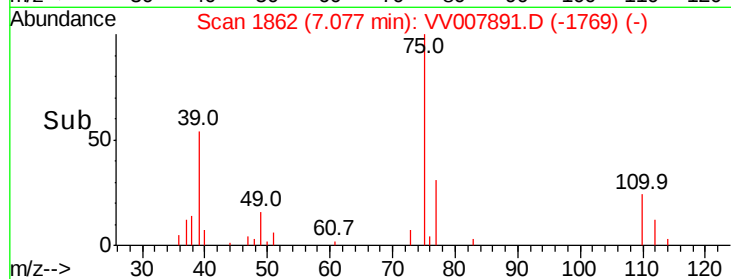
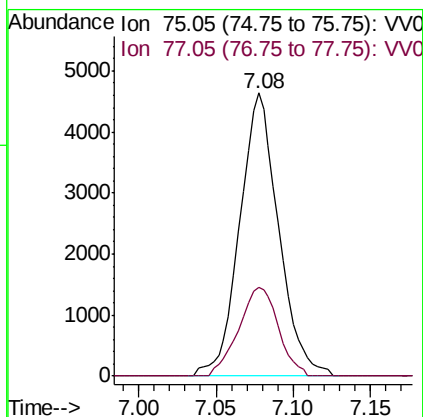
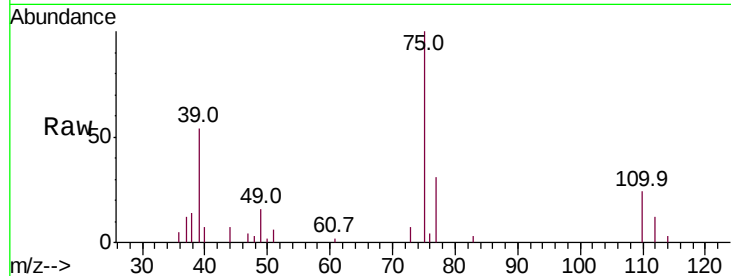




#39
 cis-1,3-Dichloropropene
 Concen: 0.959 ug/L
 RT: 7.08 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VV007891.D
 Acq: 26 Sep 2018 19:01

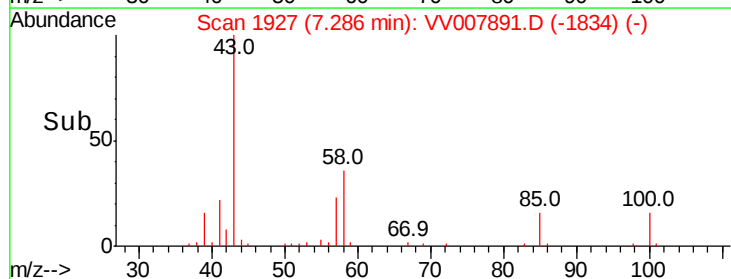
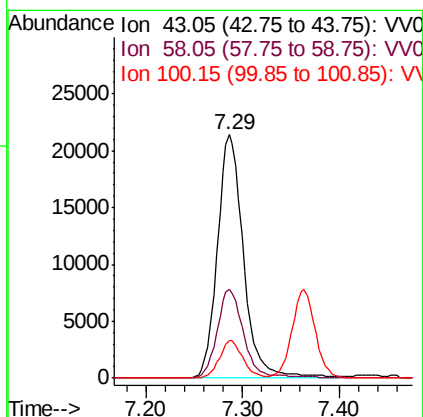
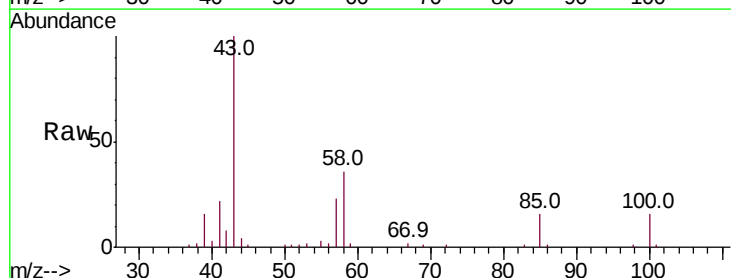
Instrument :
 MSVOA_V
 ClientSampled :

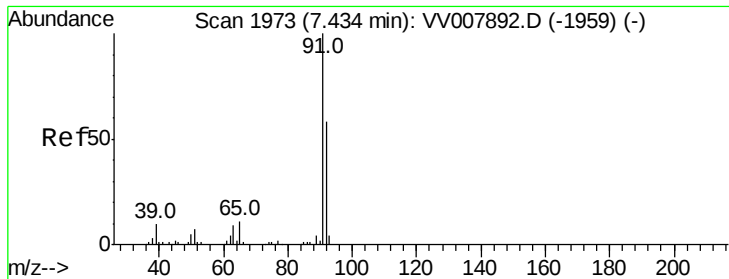
Tot Ion: 75 Resp: 8122
 Ion Ratio Lower Upper
 75 100
 77 31.3 22.9 42.5



#40
 4-Methyl-2-pentanone
 Concen: 12.079 ug/L
 RT: 7.29 min Scan# 1927
 Delta R.T. 0.00 min
 Lab File: VV007891.D
 Acq: 26 Sep 2018 19:01

Tgt Ion: 43 Resp: 40208
 Ion Ratio Lower Upper
 43 100
 58 35.7 29.4 44.0
 100 13.9 11.5 17.3





#42

Toluene

Concen: 1.014 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV007891.D

Acq: 26 Sep 2018 19:01

Instrument :

MSVOA_V

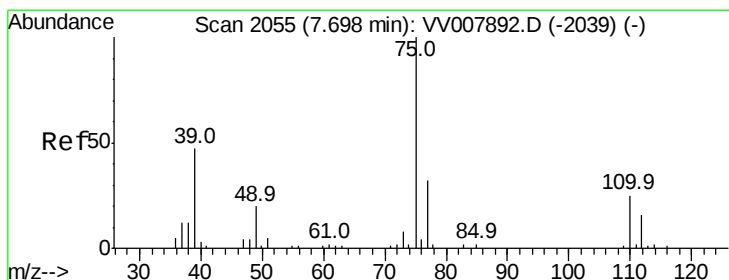
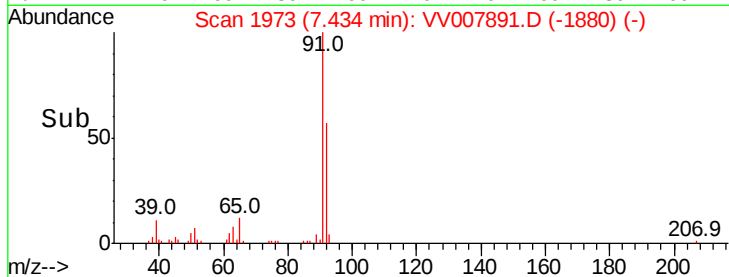
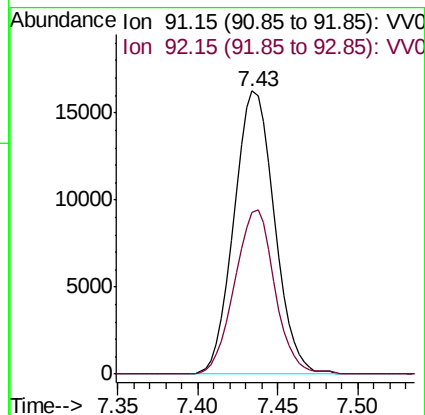
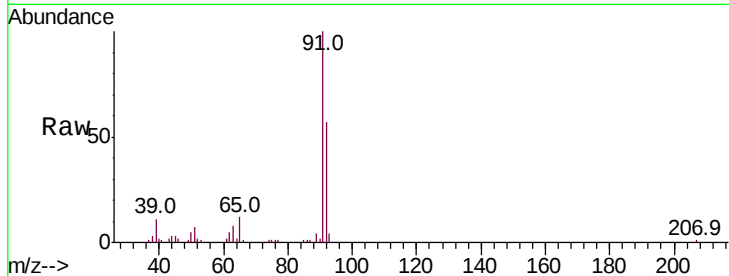
ClientSampleId :

Tot Ion: 91 Resp: 28003

Ion Ratio Lower Upper

91 100

92 57.0 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 0.961 ug/L

RT: 7.70 min Scan# 2056

Delta R.T. 0.00 min

Lab File: VV007891.D

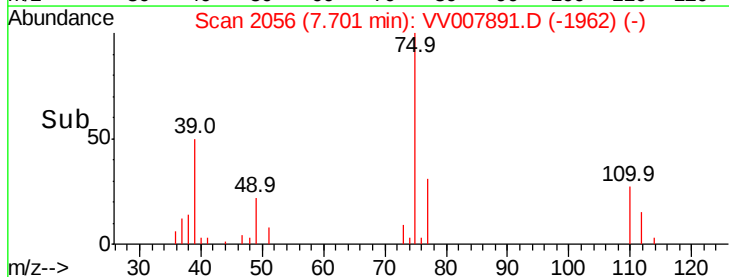
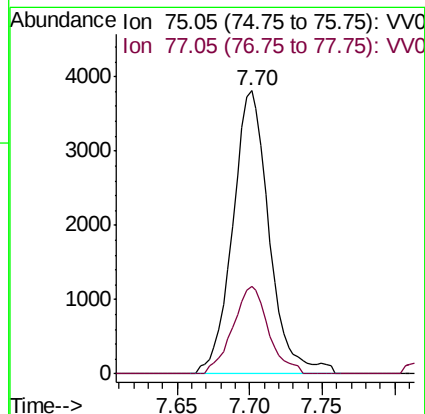
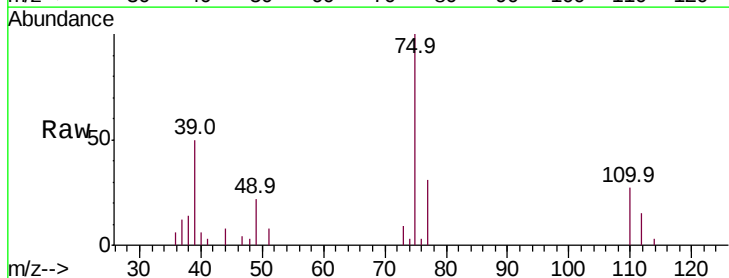
Acq: 26 Sep 2018 19:01

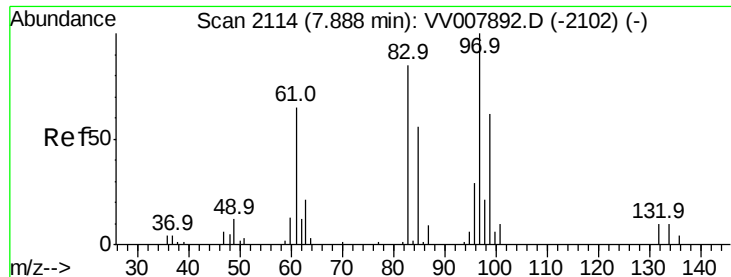
Tgt Ion: 75 Resp: 6652

Ion Ratio Lower Upper

75 100

77 31.1 22.3 41.5

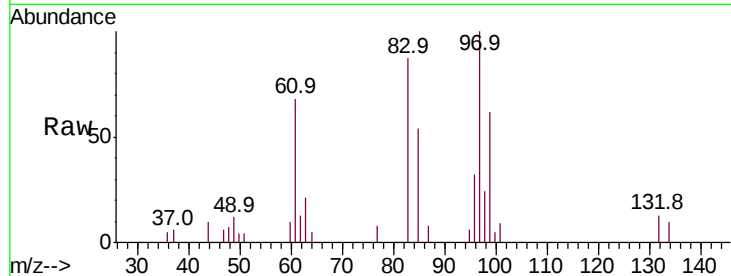




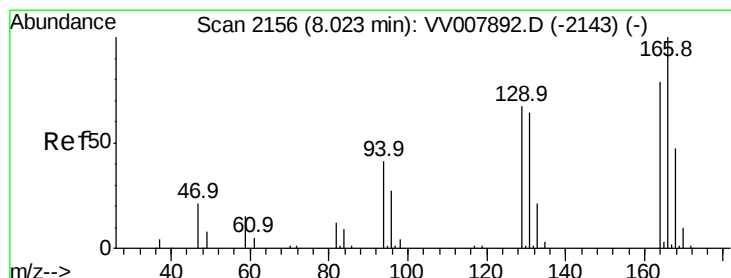
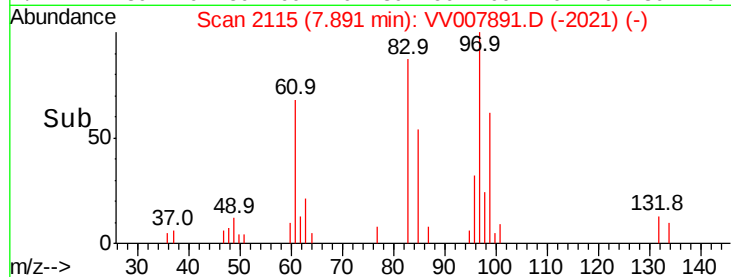
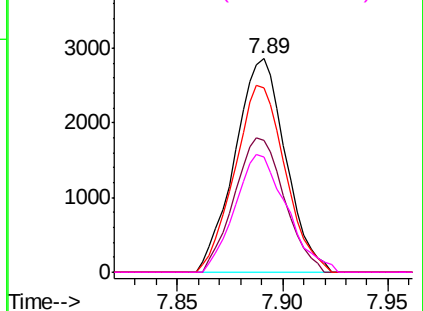
#45
 1,1,2-Trichloroethane
 Concen: 1.056 ug/L
 RT: 7.89 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VV007891.D
 Acq: 26 Sep 2018 19:01

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 97 Resp: 4778
 Ion Ratio Lower Upper
 97 100
 99 61.7 43.5 80.9
 83 86.6 59.7 110.9
 85 54.2 39.5 73.3

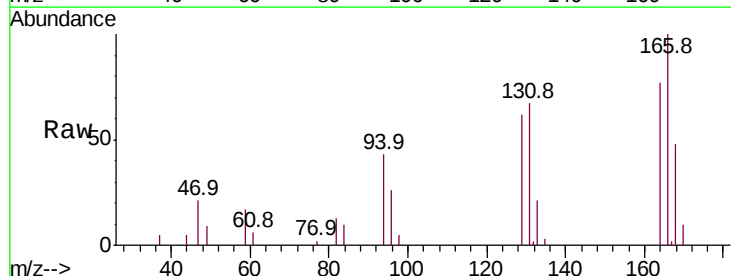


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

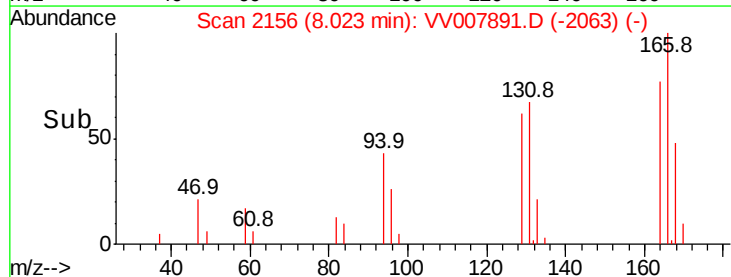
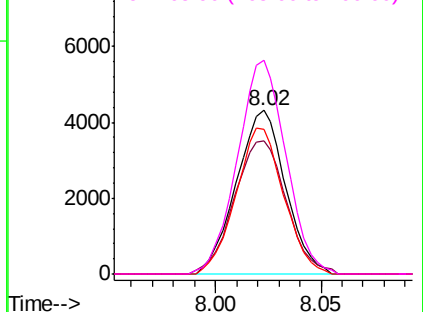


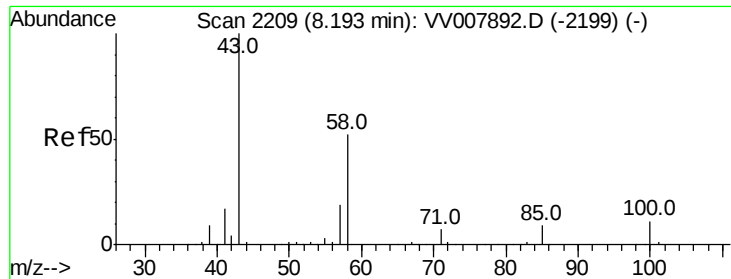
#47
 Tetrachloroethene
 Concen: 1.003 ug/L
 RT: 8.02 min Scan# 2156
 Delta R.T. 0.00 min
 Lab File: VV007891.D
 Acq: 26 Sep 2018 19:01

Tgt Ion: 164 Resp: 6977
 Ion Ratio Lower Upper
 164 100
 129 81.3 59.2 110.0
 131 88.2 57.1 106.1
 166 130.7 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

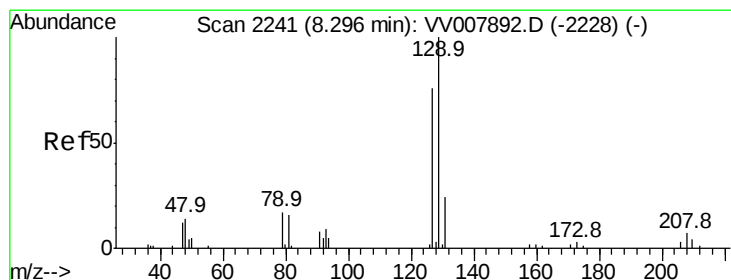
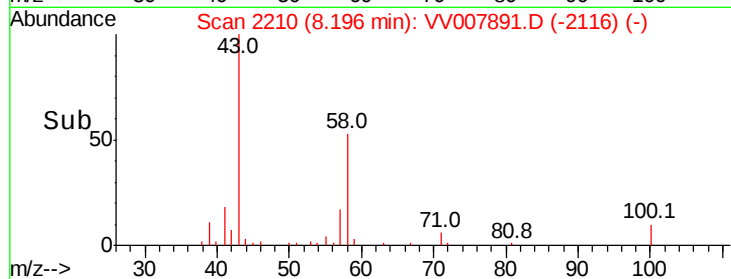
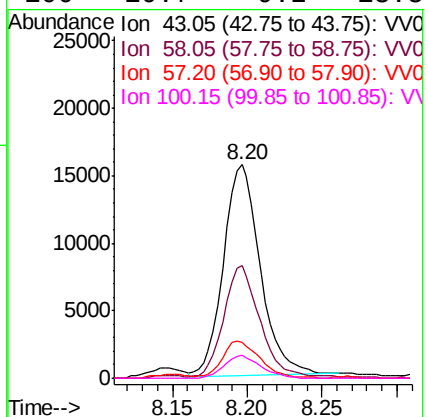
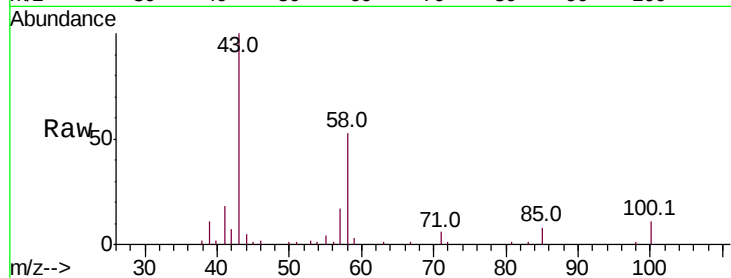




#48
2-Hexanone
Concen: 11.361 ug/L
RT: 8.20 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VV007891.D
Acq: 26 Sep 2018 19:01

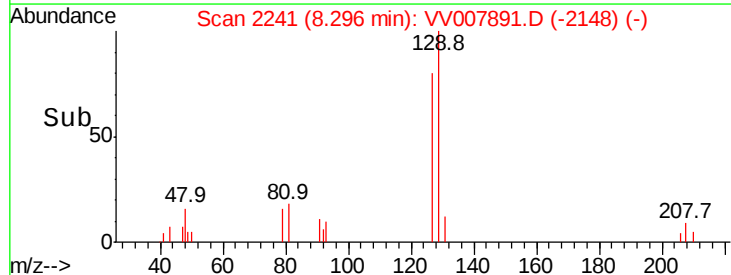
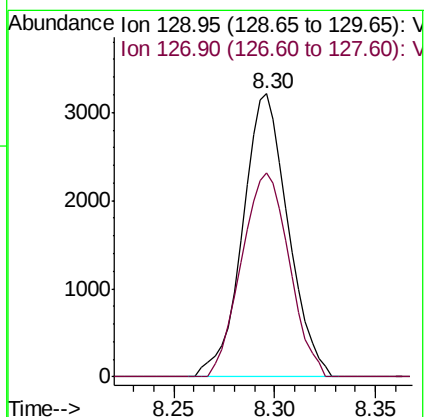
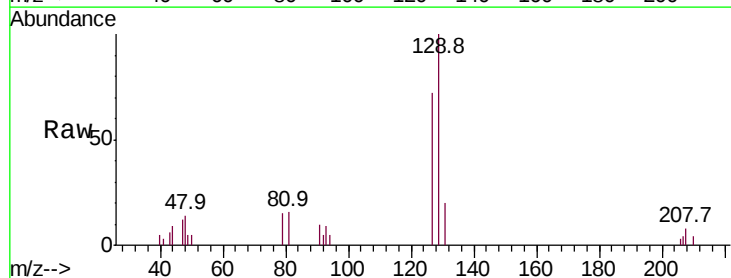
Instrument :
MSVOA_V
ClientSampled :

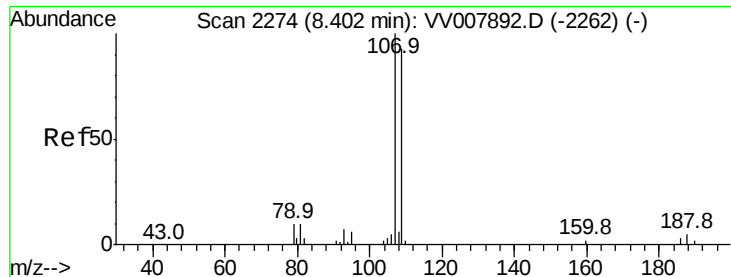
Tot Ion: 43 Resp: 26846
Ion Ratio Lower Upper
43 100
58 51.9 41.9 62.9
57 18.1 14.3 21.5
100 10.7 9.2 13.8



#49
Dibromochloromethane
Concen: 0.914 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VV007891.D
Acq: 26 Sep 2018 19:01

Tgt Ion: 129 Resp: 5062
Ion Ratio Lower Upper
129 100
127 72.1 53.1 98.5

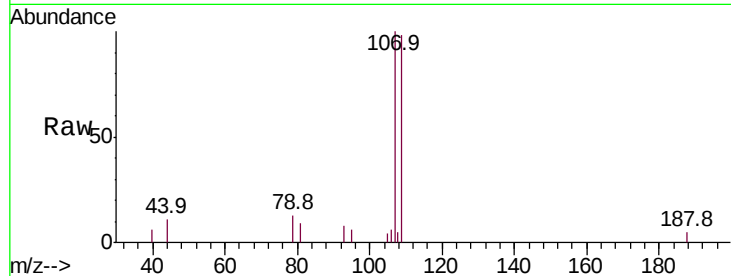




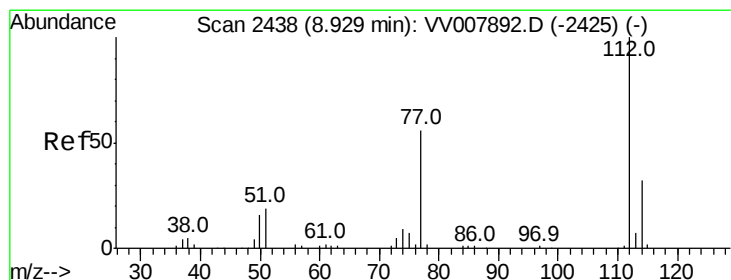
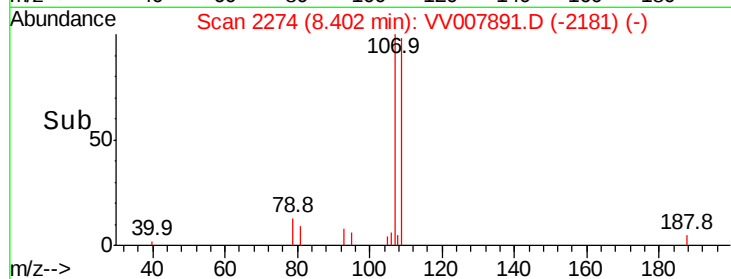
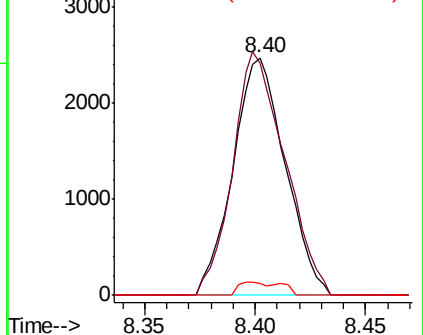
#50
 1,2-Dibromoethane
 Concen: 0.950 ug/L
 RT: 8.40 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VV007891.D
 Acq: 26 Sep 2018 19:01

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	98.0	64.9	120.5
188	5.1	4.0	6.0

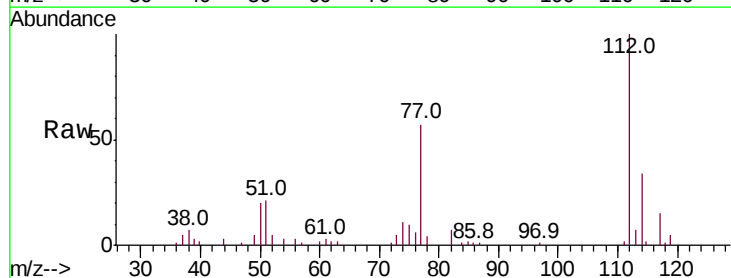


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

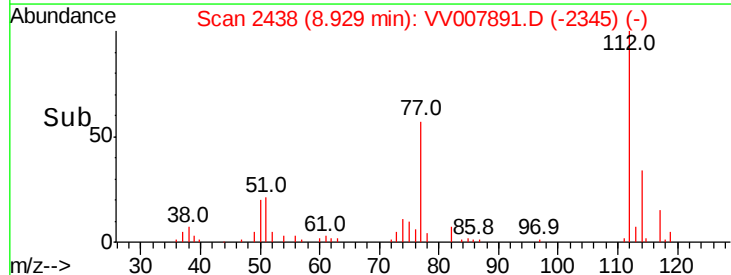
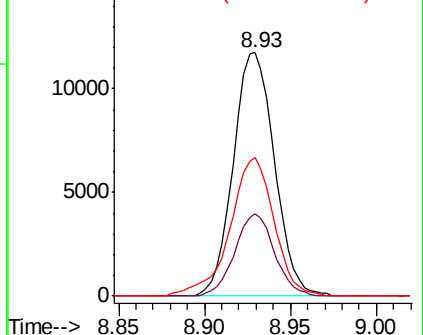


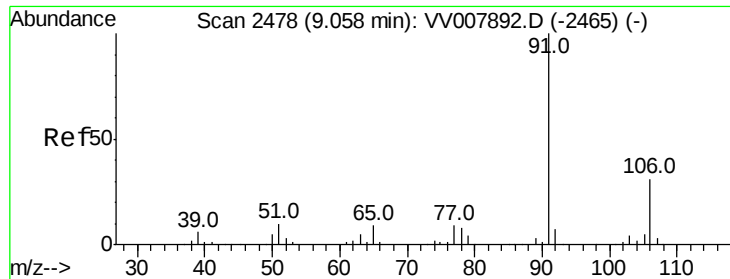
#51
 Chlorobenzene
 Concen: 1.023 ug/L
 RT: 8.93 min Scan# 2438
 Delta R.T. 0.00 min
 Lab File: VV007891.D
 Acq: 26 Sep 2018 19:01

Tgt Ion	Ratio	Lower	Upper
112	100		
114	33.8	22.4	41.6
77	56.8	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: 1.001 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV007891.D

Acq: 26 Sep 2018 19:01

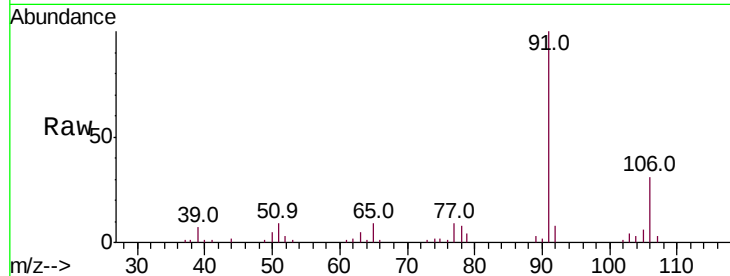
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 31284

Ion Ratio Lower Upper

91 100

106 31.2 21.7 40.3



Abundance Ion 91.15 (90.85 to 91.85): VV007891.D (-2465) (-)

Ion 106.15 (105.85 to 106.85): VV007891.D (-2465) (-)

9.06

20000

15000

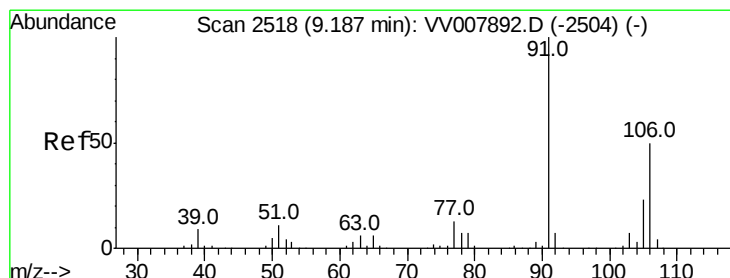
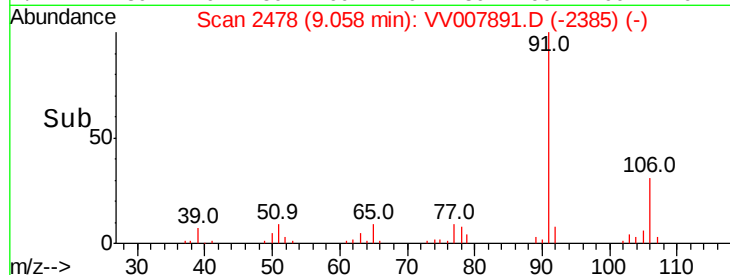
10000

5000

0

9.00 9.05 9.10 9.15

Time-->



#53

m,p-xylene

Concen: 0.944 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV007891.D

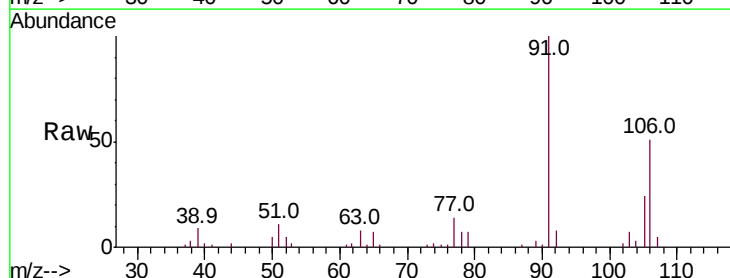
Acq: 26 Sep 2018 19:01

Tgt Ion: 106 Resp: 11492

Ion Ratio Lower Upper

106 100

91 196.8 139.4 258.8



Abundance Ion 106.15 (105.85 to 106.85): VV007891.D (-2504) (-)

Ion 91.15 (90.85 to 91.85): VV007891.D (-2504) (-)

9.18

15000

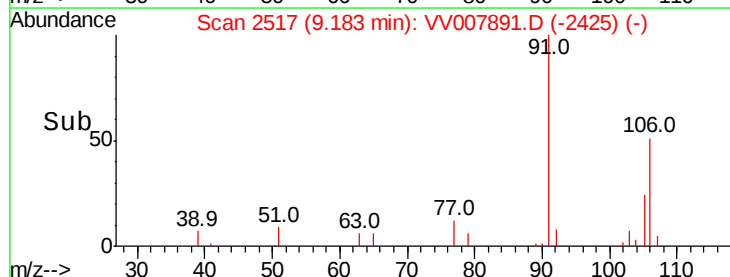
10000

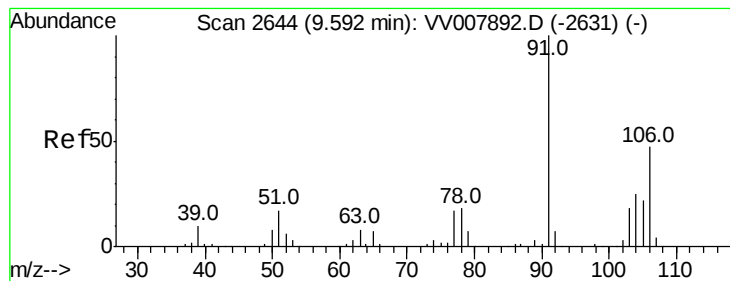
5000

0

9.15 9.20

Time-->





#54

o-xylene

Concen: 0.934 ug/L

RT: 9.59 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VV007891.D

Acq: 26 Sep 2018 19:01

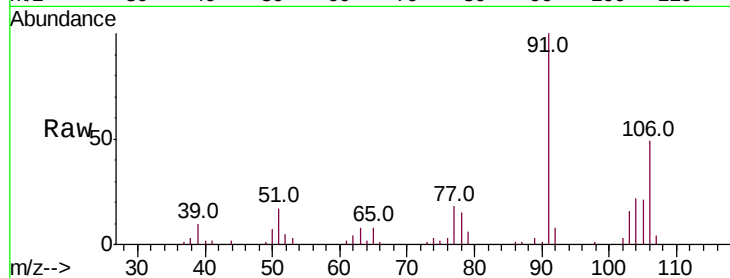
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 11159

Ion Ratio Lower Upper

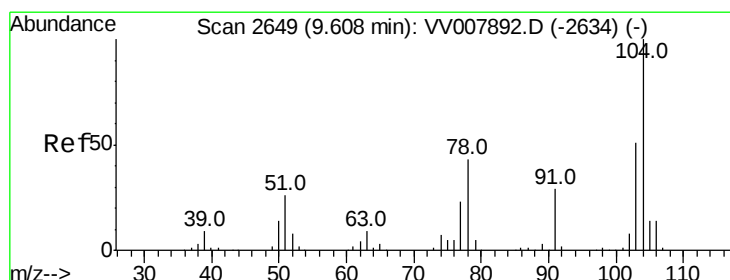
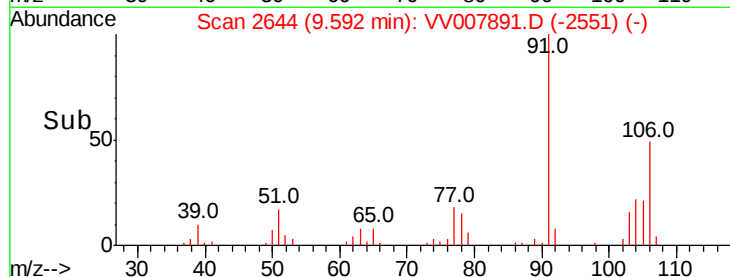
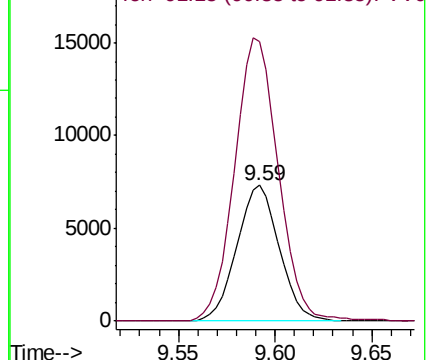
106 100

91 205.7 150.1 278.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 0.927 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. 0.00 min

Lab File: VV007891.D

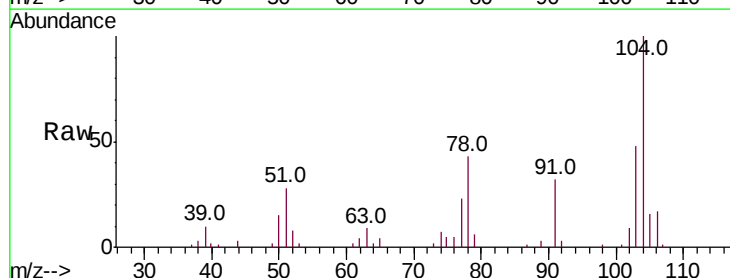
Acq: 26 Sep 2018 19:01

Tgt Ion:104 Resp: 18290

Ion Ratio Lower Upper

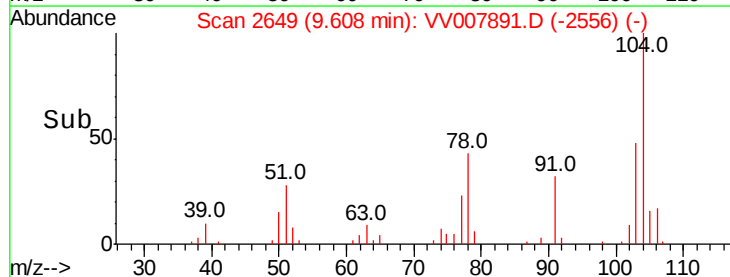
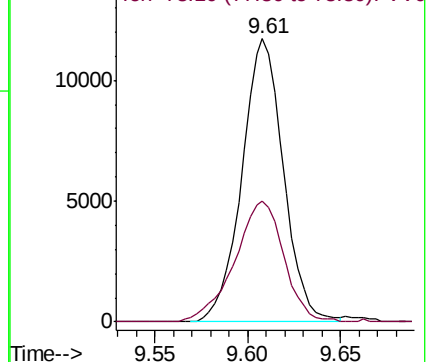
104 100

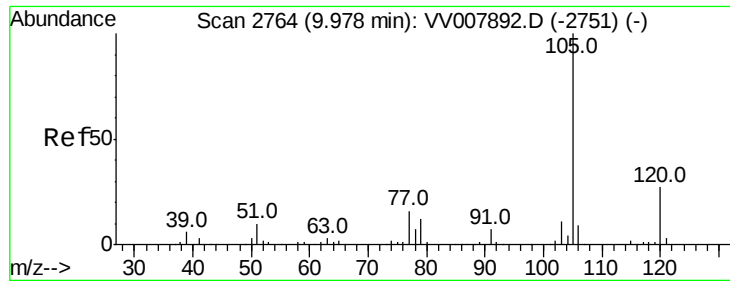
78 42.5 30.4 56.4



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 0.914 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV007891.D

Acq: 26 Sep 2018 19:01

Instrument :
MSVOA_V
ClientSampled :

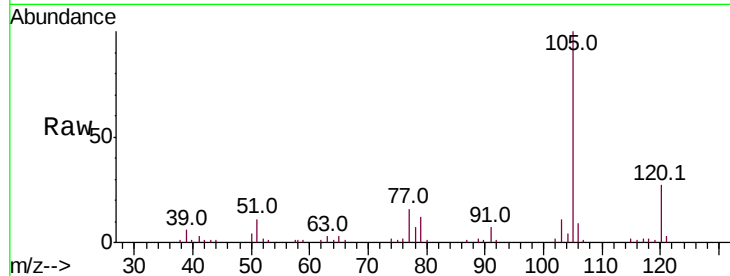
Tot Ion:105 Resp: 29854

Ion Ratio Lower Upper

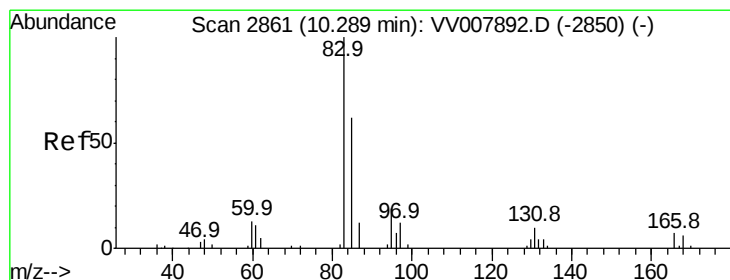
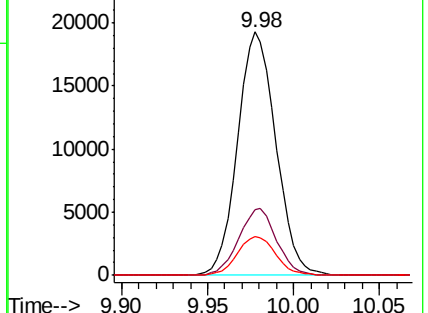
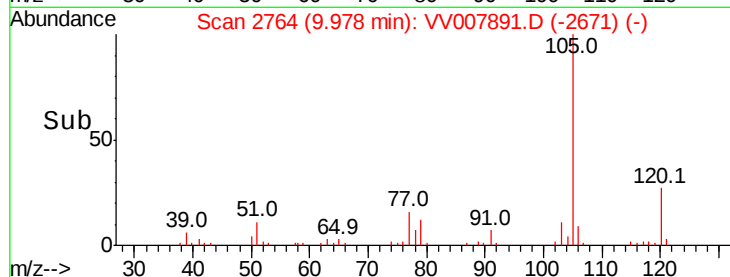
105 100

120 26.8 21.4 32.0

77 15.9 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: 1.053 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV007891.D

Acq: 26 Sep 2018 19:01

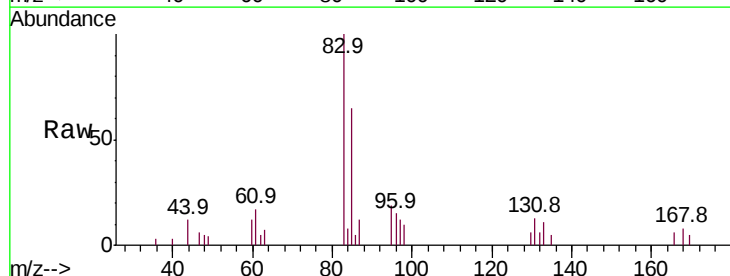
Tgt Ion: 83 Resp: 5484

Ion Ratio Lower Upper

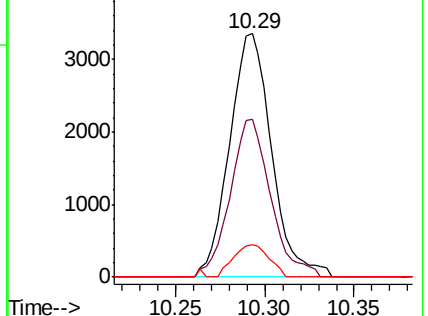
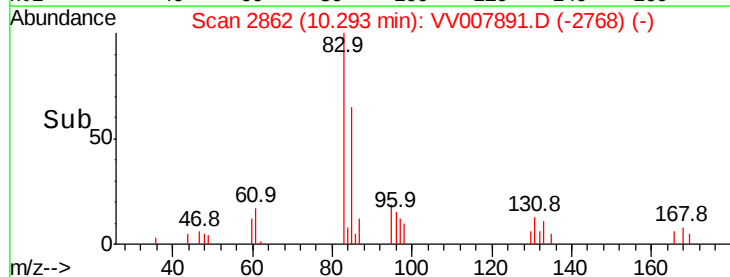
83 100

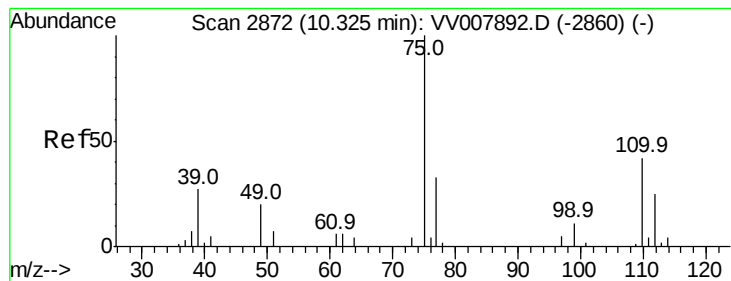
85 64.9 43.7 81.1

131 13.5 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: 1.142 ug/L

RT: 10.32 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VV007891.D

Acq: 26 Sep 2018 19:01

Instrument :

MSVOA_V

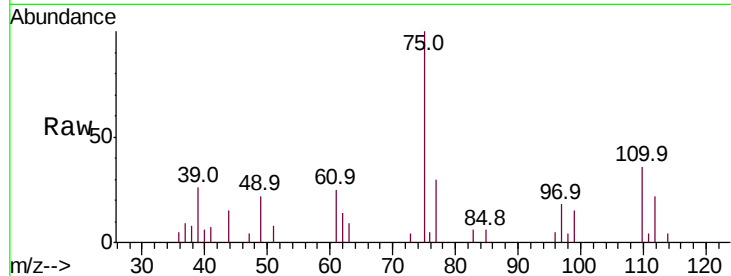
ClientSampleId :

Tot Ion: 75 Resp: 4189

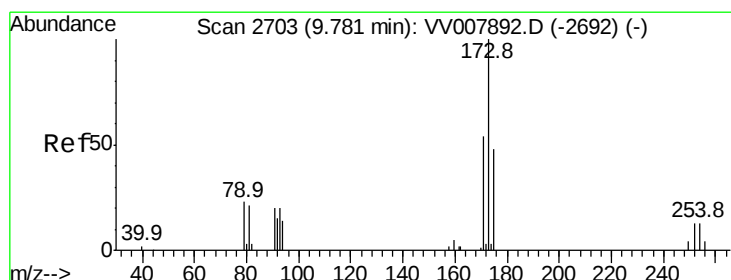
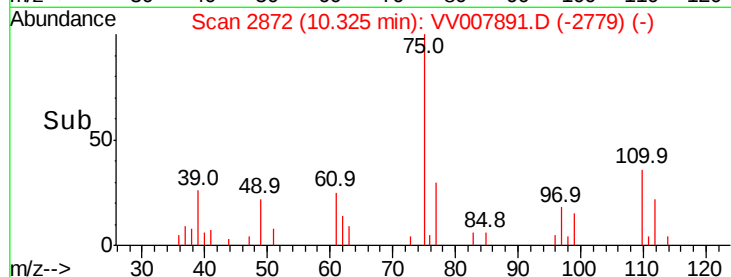
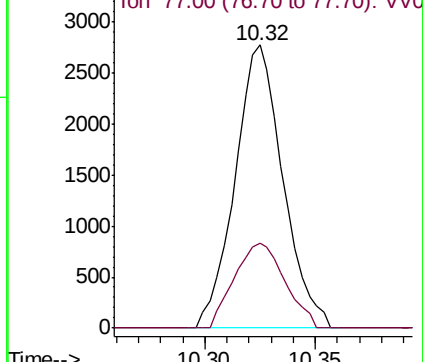
Ion Ratio Lower Upper

75 100

77 31.7 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VV007891.D (-2779) (-)



#61

Bromoform

Concen: 0.916 ug/L

RT: 9.78 min Scan# 2703

Delta R.T. 0.00 min

Lab File: VV007891.D

Acq: 26 Sep 2018 19:01

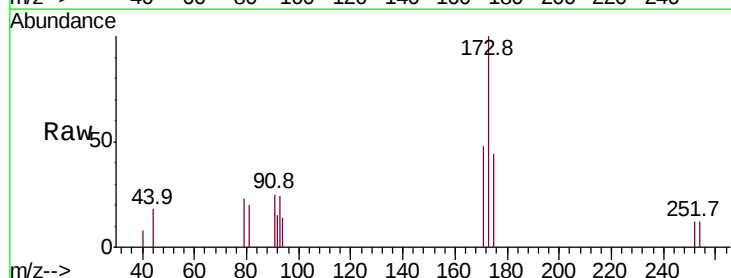
Tgt Ion:173 Resp: 2698

Ion Ratio Lower Upper

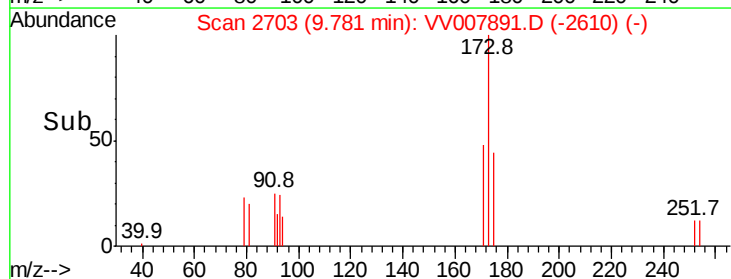
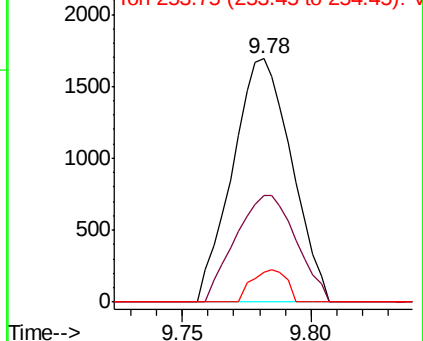
173 100

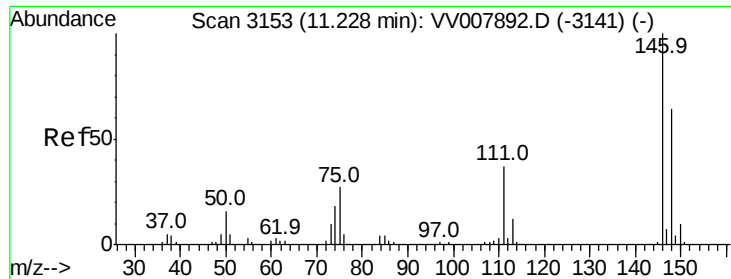
175 45.1 41.0 61.6

254 7.9 9.6 14.4#



Abundance Ion 172.90 (172.60 to 173.60): VV007891.D (-2610) (-)

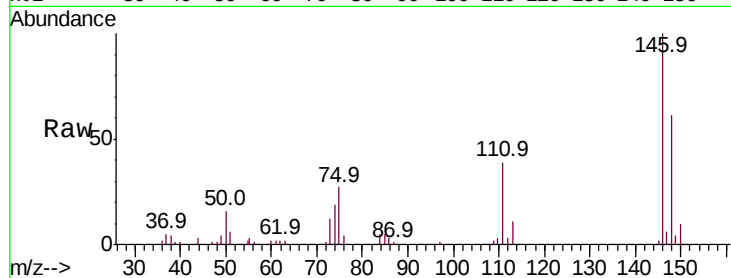




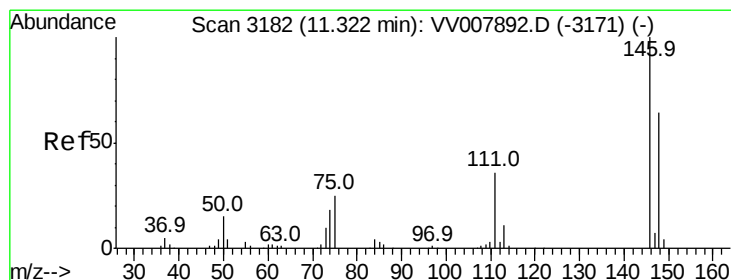
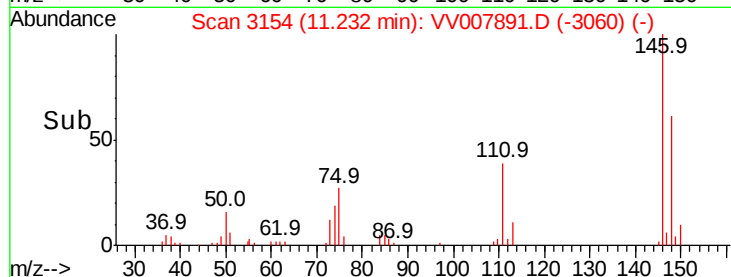
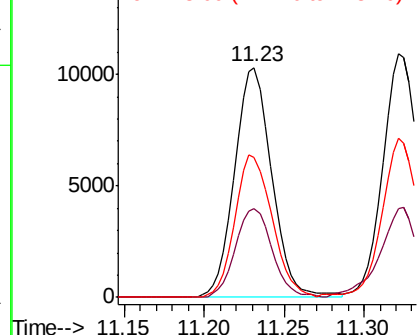
#62
 1,3-Dichlorobenzene
 Concen: 1.054 ug/L
 RT: 11.23 min Scan# 3154
 Delta R.T. 0.00 min
 Lab File: VV007891.D
 Acq: 26 Sep 2018 19:01

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	25.8	48.0
148	60.9	44.7	82.9

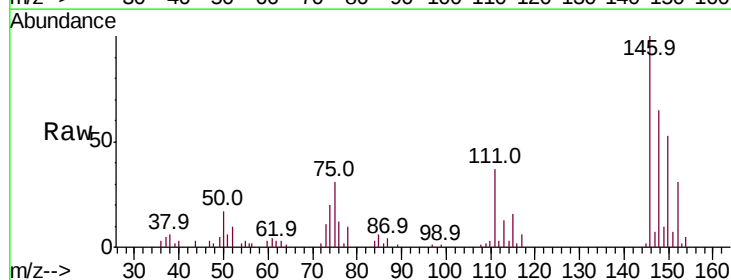


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

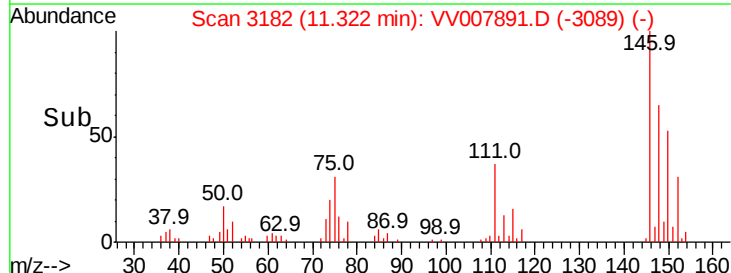
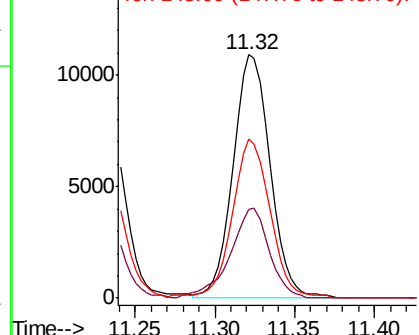


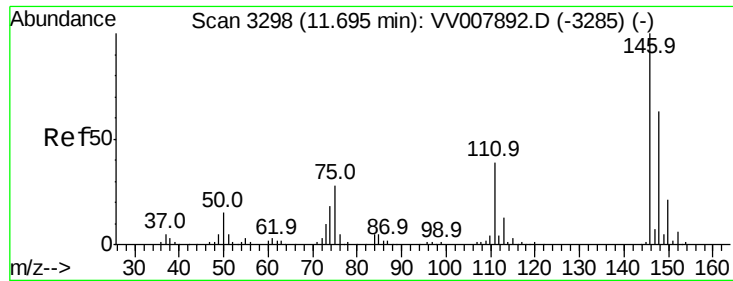
#63
 1,4-Dichlorobenzene
 Concen: 1.099 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VV007891.D
 Acq: 26 Sep 2018 19:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	25.3	47.1
148	65.2	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: 1.029 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VV007891.D

Acq: 26 Sep 2018 19:01

Instrument :

MSVOA_V

ClientSampled :

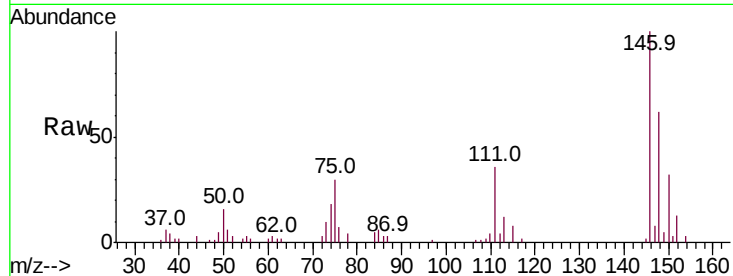
Tot Ion:146 Resp: 15030

Ion Ratio Lower Upper

146 100

111 36.5 31.2 46.8

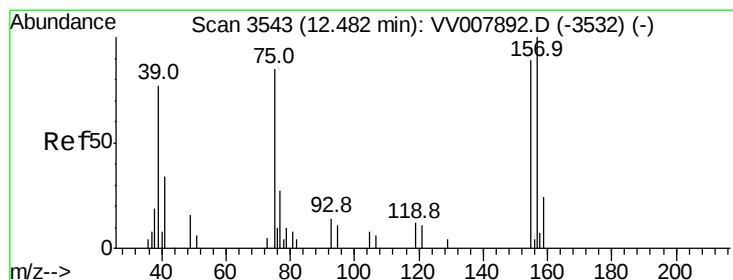
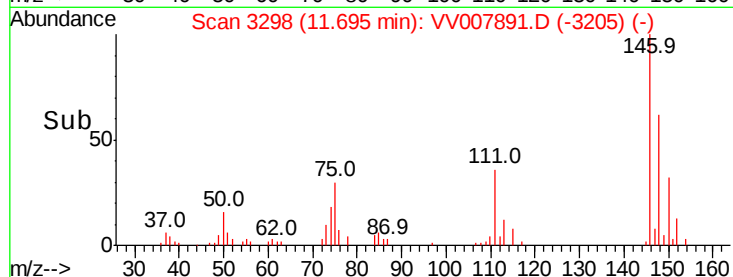
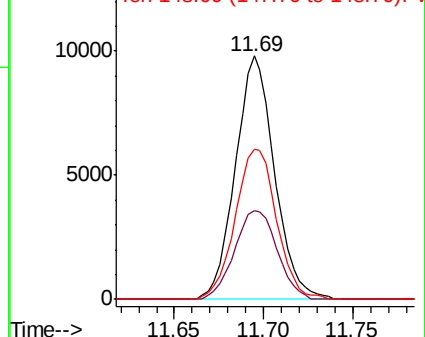
148 61.7 50.3 75.5



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: 1.053 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. -0.00 min

Lab File: VV007891.D

Acq: 26 Sep 2018 19:01

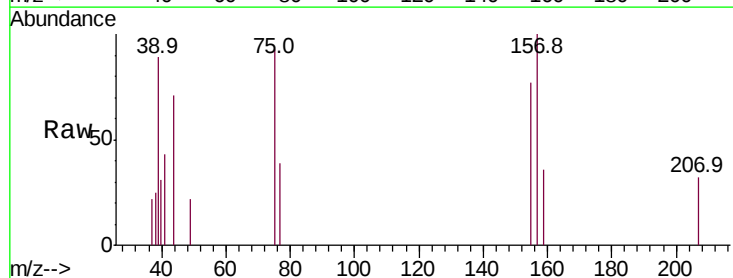
Tgt Ion: 75 Resp: 711

Ion Ratio Lower Upper

75 100

155 82.9 83.4 125.2#

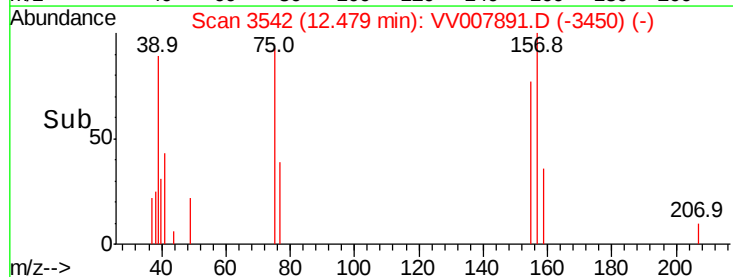
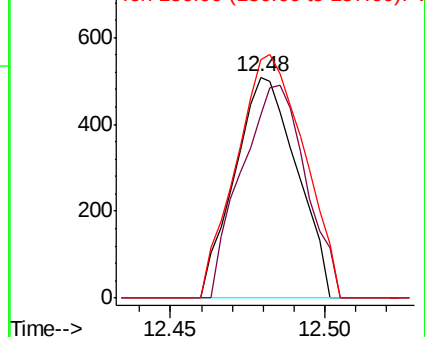
157 108.1 93.9 140.9

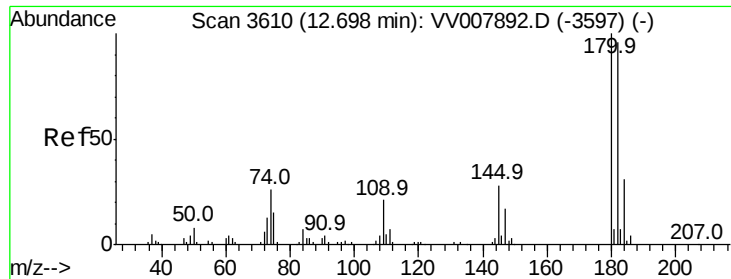


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

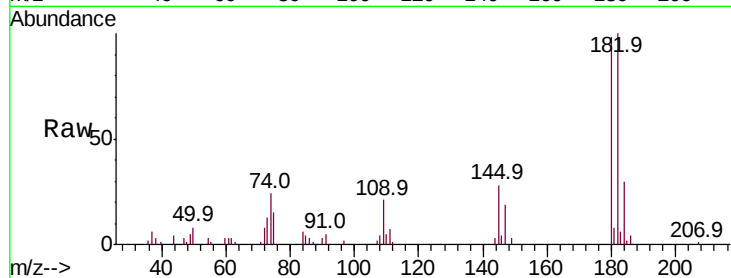




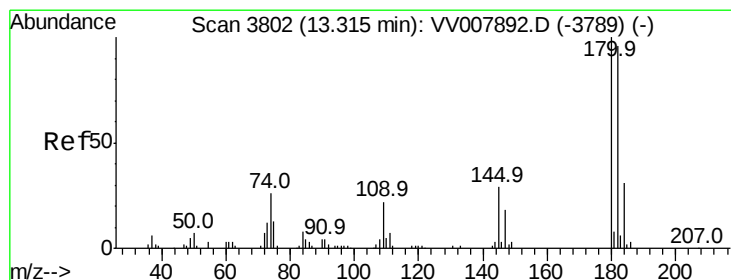
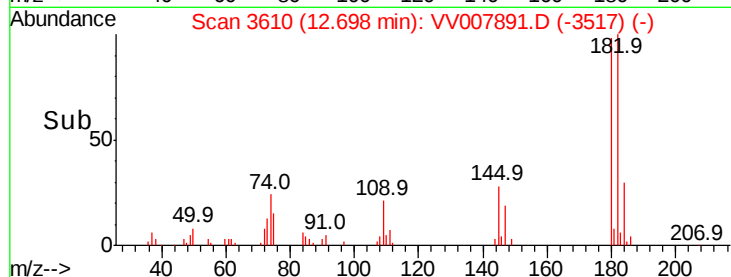
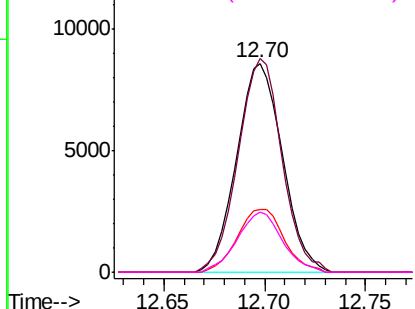
#67
 1,3,5-Trichlorobenzene
 Concen: 1.020 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV007891.D
 Acq: 26 Sep 2018 19:01

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion:	180	Resp:	13666
Ion	Ratio	Lower	Upper
180	100		
182	98.2	76.2	114.4
184	30.9	24.5	36.7
145	28.4	22.2	33.4

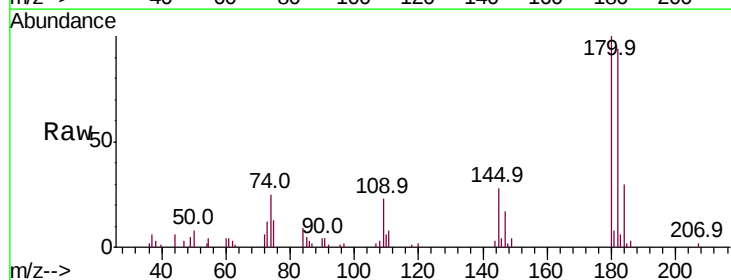


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

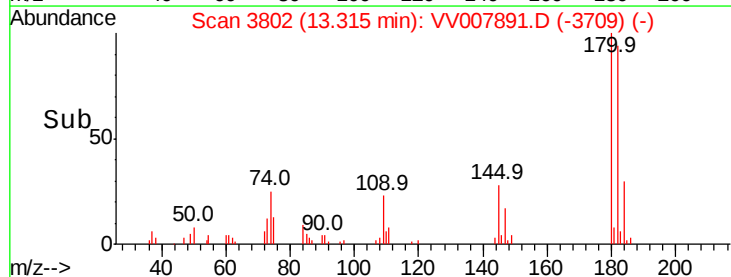
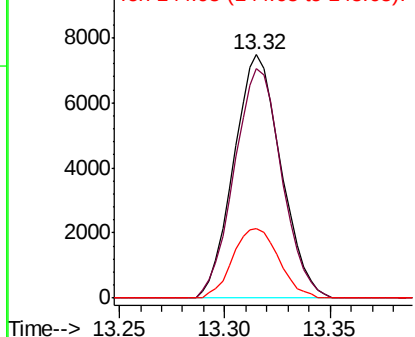


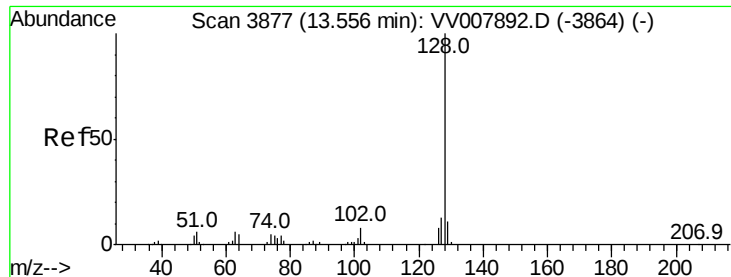
#68
 1,2,4-trichlorobenzene
 Concen: 1.060 ug/L
 RT: 13.32 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV007891.D
 Acq: 26 Sep 2018 19:01

Tgt Ion:	180	Resp:	11605
Ion	Ratio	Lower	Upper
180	100		
182	94.7	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: 0.891 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.00 min

Lab File: VV007891.D

Acq: 26 Sep 2018 19:01

Instrument :

MSVOA_V

ClientSampleId :

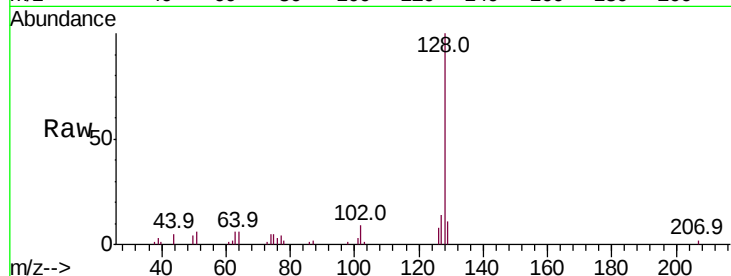
Tot Ion:128 Resp: 14441

Ion Ratio Lower Upper

128 100

129 11.1 8.6 13.0

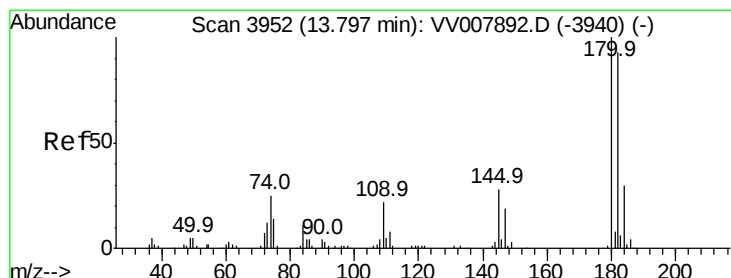
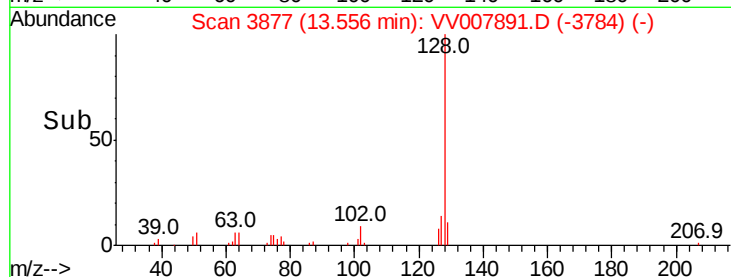
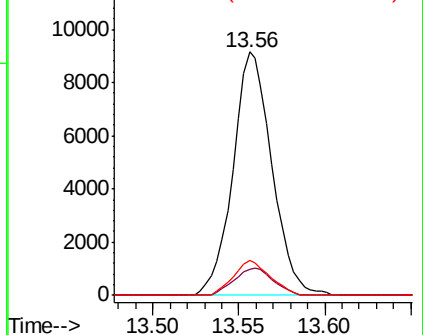
127 13.4 10.3 15.5



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: 1.028 ug/L

RT: 13.80 min Scan# 3953

Delta R.T. 0.00 min

Lab File: VV007891.D

Acq: 26 Sep 2018 19:01

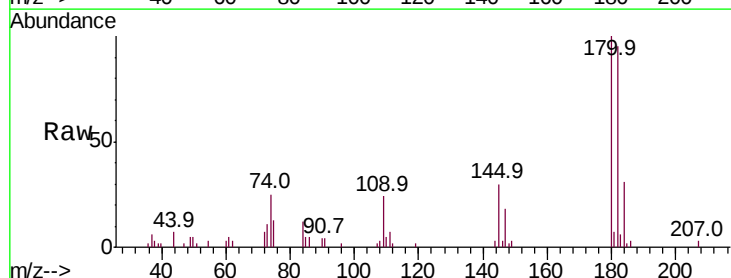
Tgt Ion:180 Resp: 10425

Ion Ratio Lower Upper

180 100

182 94.4 75.7 113.5

145 29.2 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

