

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092718\
 Data File : VV007892.D
 Acq On : 26 Sep 2018 19:29
 Operator : SY/MD
 Sample : VSTD005
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 27 06:43:20 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	94986	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	92841	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	51035	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	25242	6.10	ug/L	0.00
7) Chloroethane-d5	1.58	69	21463	5.68	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	55770	5.33	ug/L	0.00
20) 2-Butanone-d5	3.98	46	71653	66.59	ug/L	0.00
24) Chloroform-d	4.41	84	57129	5.91	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	30713	6.28	ug/L	0.00
32) Benzene-d6	5.10	84	108053	5.71	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	33833	5.96	ug/L	0.00
41) Toluene-d8	7.36	98	111826	5.70	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	12627	5.64	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	56326	62.65	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	25767	5.57	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	45189	5.29	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	39428	5.138	ug/L 100
3) Chloromethane	1.25	50	35406	5.714	ug/L 100
5) Vinyl chloride	1.32	62	37978	5.395	ug/L 100
6) Bromomethane	1.54	94	23251	5.029	ug/L 100
8) Chloroethane	1.60	64	22543	4.957	ug/L 100
9) Trichlorofluoromethane	1.77	101	61656	4.398	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	34901	4.551	ug/L 100
12) 1,1-Dichloroethene	2.14	96	31143	4.592	ug/L 100
13) Acetone	2.23	43	51619	52.225	ug/L 100
14) Carbon disulfide	2.32	76	80354	4.473	ug/L 100
15) Methyl Acetate	2.48	43	12423	5.207	ug/L 100
16) Methylene chloride	2.54	84	32437	4.648	ug/L 100
17) Methyl tert-butyl Ether	2.82	73	74767	4.683	ug/L 100
18) trans-1,2-Dichloroethene	2.79	96	33658	4.532	ug/L 100
19) 1,1-Dichloroethane	3.23	63	59807	5.666	ug/L 100
21) 2-Butanone	4.06	43	82310	62.805	ug/L 100
22) cis-1,2-Dichloroethene	3.97	96	34820	5.123	ug/L 100
23) Bromochloromethane	4.30	128	15119	4.942	ug/L 100
25) Chloroform	4.43	83	63408	5.591	ug/L 100
27) 1,2-Dichloroethane	5.19	62	41149	5.914	ug/L 100
29) 1,1,1-Trichloroethane	4.66	97	54933	4.991	ug/L 100
30) Cyclohexane	4.72	56	51164	5.334	ug/L 100
31) Carbon tetrachloride	4.87	117	48527	4.859	ug/L 100
33) Benzene	5.15	78	130821	5.220	ug/L 100
34) Trichloroethene	5.96	95	36663	5.026	ug/L 100
35) Methylcyclohexane	6.18	83	55685	4.969	ug/L 100
37) 1,2-Dichloropropane	6.23	63	32746	5.368	ug/L 100
38) Bromodichloromethane	6.56	83	39799	5.041	ug/L 100
39) cis-1,3-Dichloropropene	7.08	75	43899	5.081	ug/L 100
40) 4-Methyl-2-pentanone	7.29	43	202268	59.567	ug/L 100

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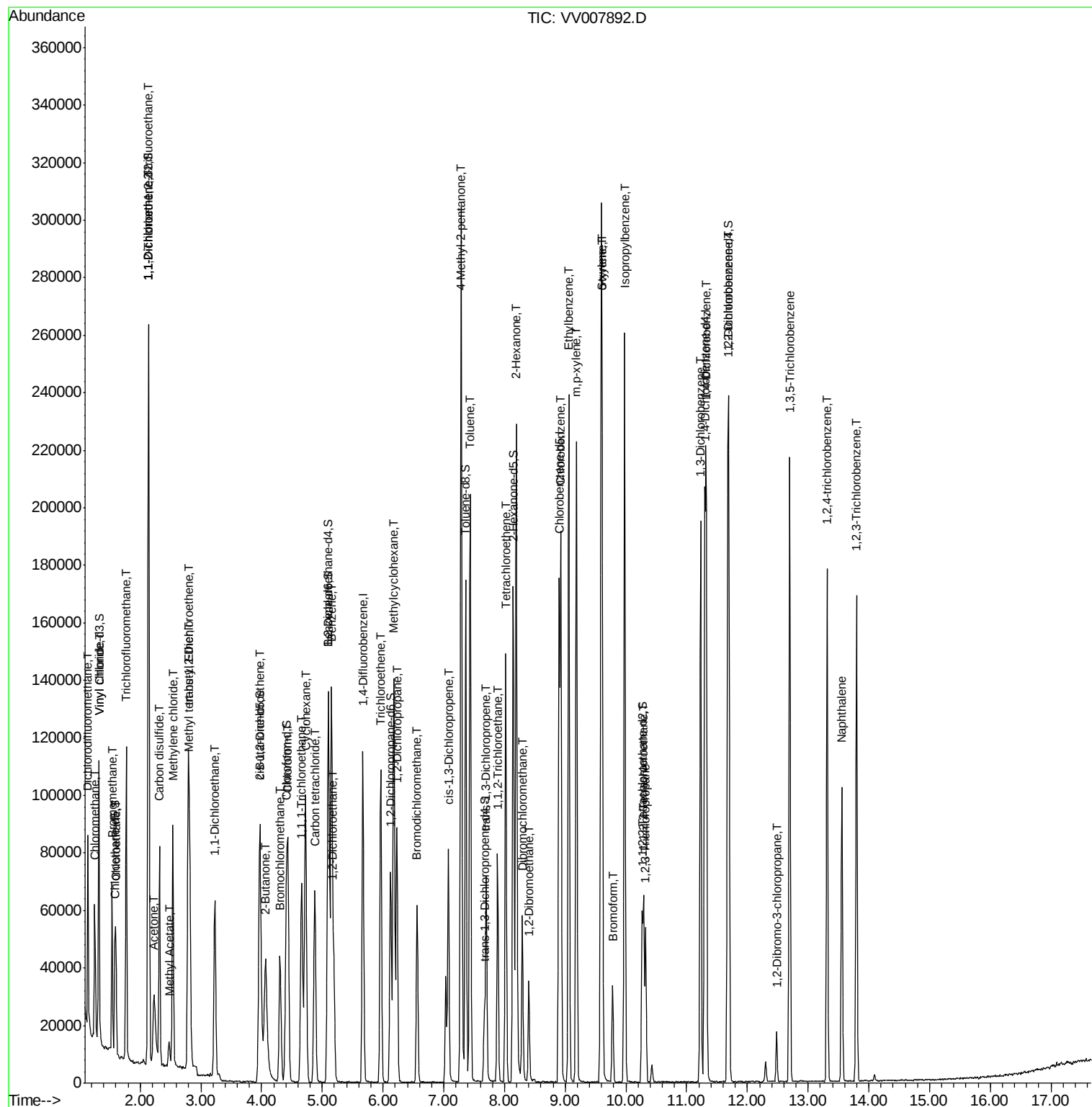
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	143070	5.077	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	36921	5.227	ug/L	100
45) 1,1,2-Trichloroethane	7.89	97	23152	5.018	ug/L	100
47) Tetrachloroethene	8.02	164	34197	4.820	ug/L	100
48) 2-Hexanone	8.19	43	144659	60.011	ug/L	100
49) Dibromochloromethane	8.30	129	27253	4.824	ug/L	100
50) 1,2-Dibromoethane	8.40	107	22274	5.113	ug/L	100
51) Chlorobenzene	8.93	112	96872	4.972	ug/L	100
52) Ethylbenzene	9.06	91	159424	5.003	ug/L	100
53) m,p-xylene	9.19	106	60319	4.859	ug/L	100
54) o-xylene	9.59	106	58287	4.782	ug/L	100
55) Styrene	9.61	104	101310	5.036	ug/L	100
56) Isopropylbenzene	9.98	105	160464	4.818	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	27652	5.207	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	20306	5.427	ug/L	100
61) Bromoform	9.78	173	14168	4.420	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	80905	4.787	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	82929	4.859	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	76044	4.784	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	3927	5.347	ug/L	100
67) 1,3,5-Trichlorobenzene	12.70	180	69014	4.733	ug/L	100
68) 1,2,4-trichlorobenzene	13.32	180	56873	4.776	ug/L	100
69) Naphthalene	13.56	128	81292	4.611	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	53293	4.829	ug/L	100

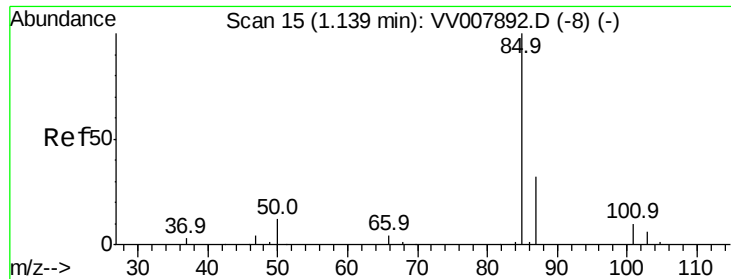
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.138 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV007892.D

Acq: 26 Sep 2018 19:29

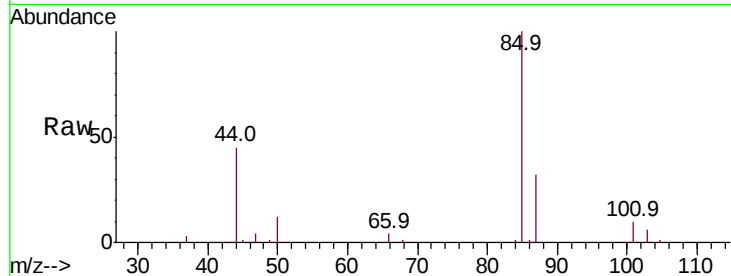
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 39428

Ion Ratio Lower Upper

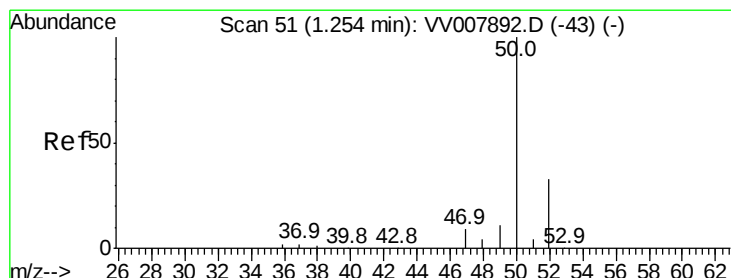
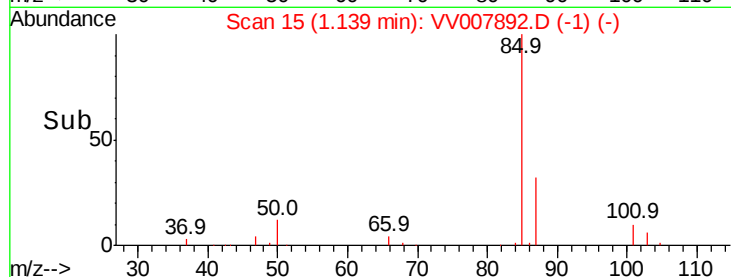
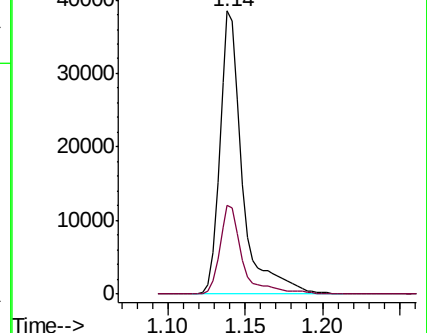
85 100

87 31.5 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VV007892.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV007892.D (-8) (-)



#3

Chloromethane

Concen: 5.714 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV007892.D

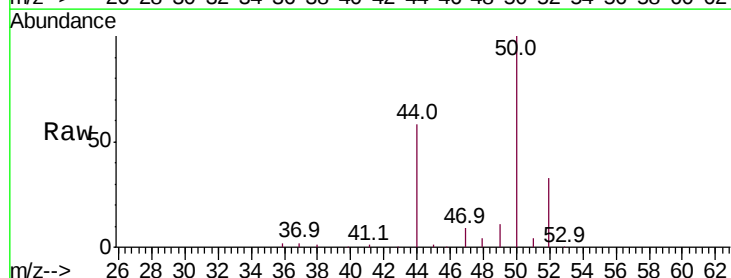
Acq: 26 Sep 2018 19:29

Tgt Ion: 50 Resp: 35406

Ion Ratio Lower Upper

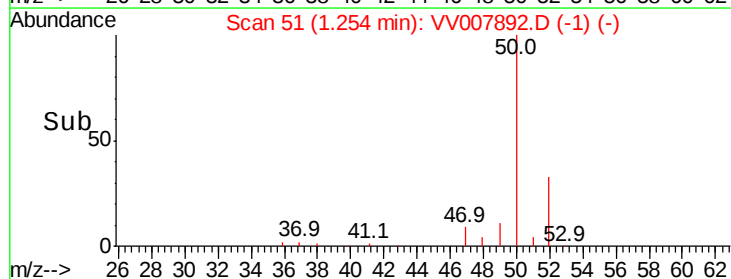
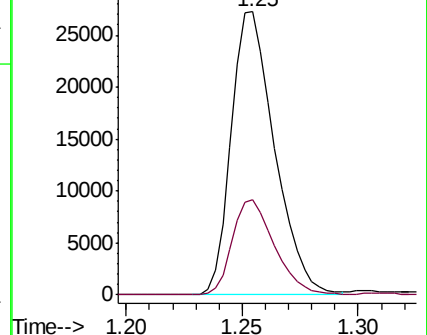
50 100

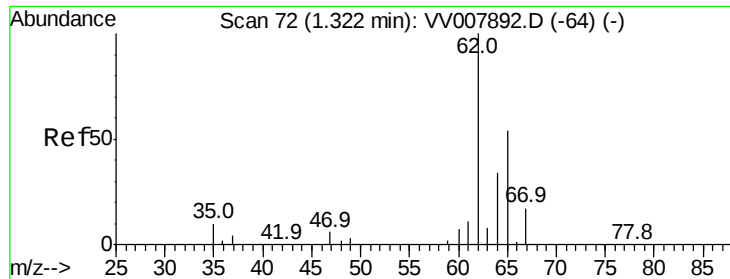
52 33.4 23.4 43.4



Abundance Ion 50.05 (49.75 to 50.75): VV007892.D (-43) (-)

Ion 52.05 (51.75 to 52.75): VV007892.D (-43) (-)





#5

Vinyl chloride

Concen: 5.395 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV007892.D

Acq: 26 Sep 2018 19:29

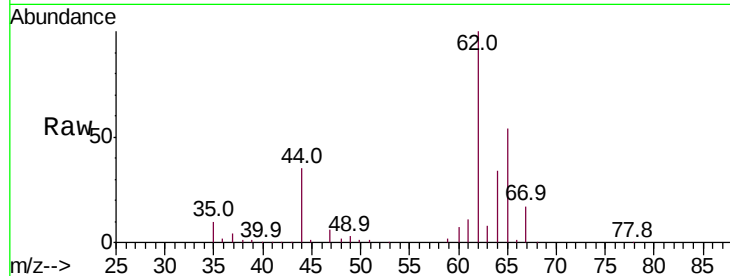
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 37978

Ion Ratio Lower Upper

62 100

64 34.3 24.0 44.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

40000

30000

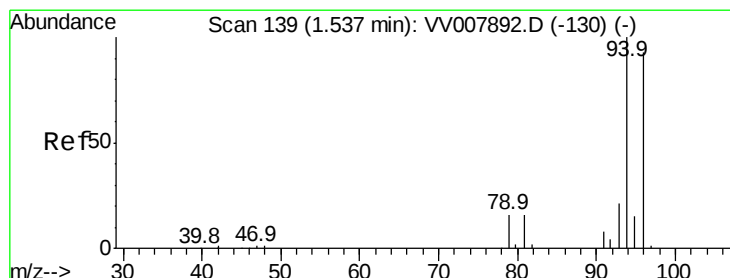
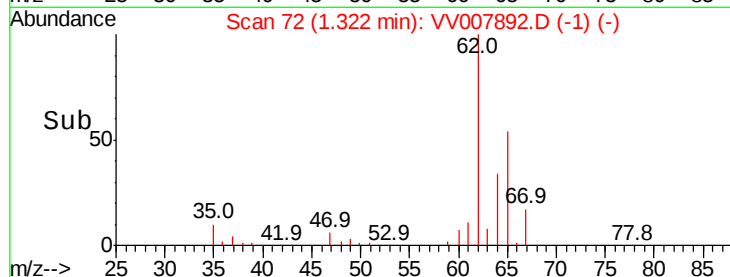
20000

10000

0

1.30 1.35 1.40

Time-->



#6

Bromomethane

Concen: 5.029 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV007892.D

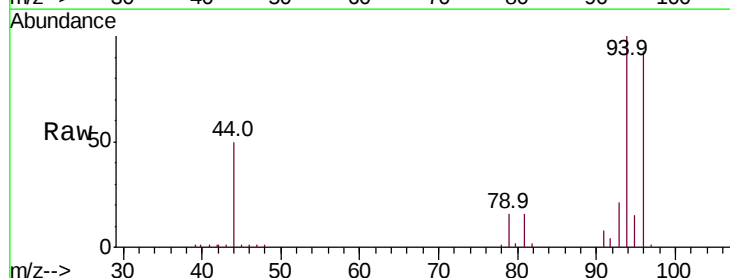
Acq: 26 Sep 2018 19:29

Tgt Ion: 94 Resp: 23251

Ion Ratio Lower Upper

94 100

96 93.2 65.2 121.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.54

25000

20000

15000

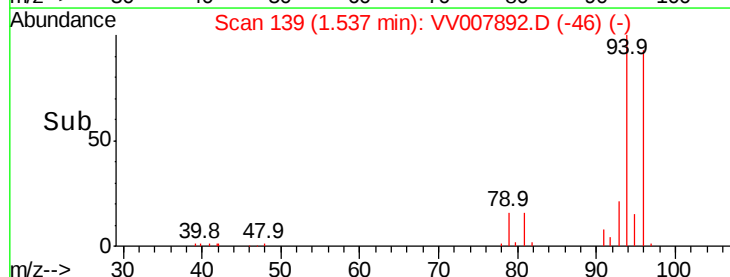
10000

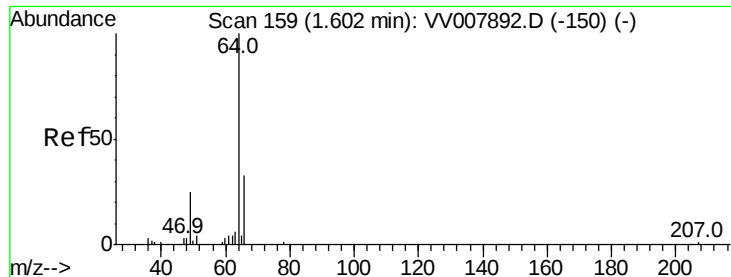
5000

0

1.50 1.55 1.60

Time-->

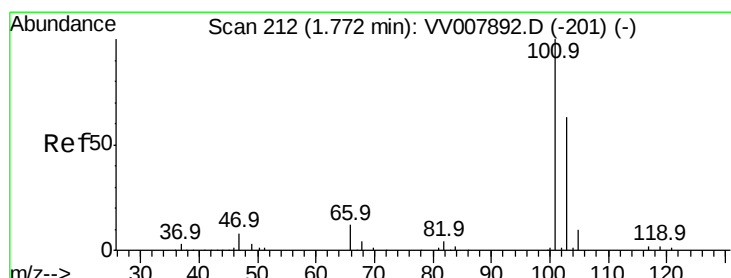
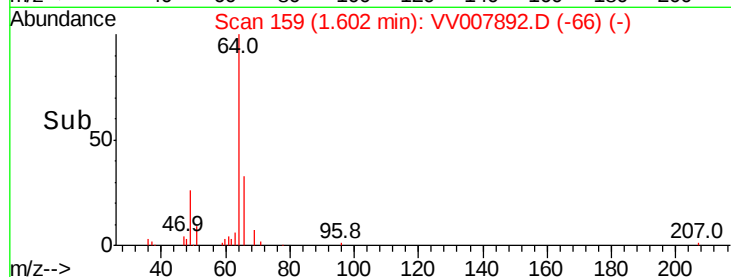
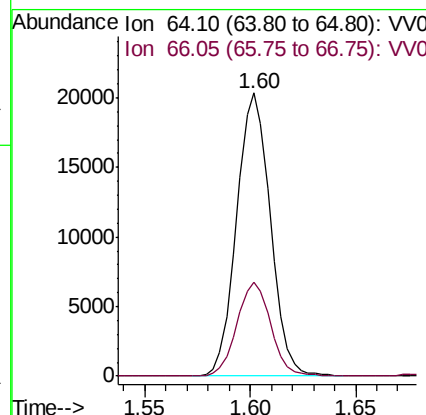
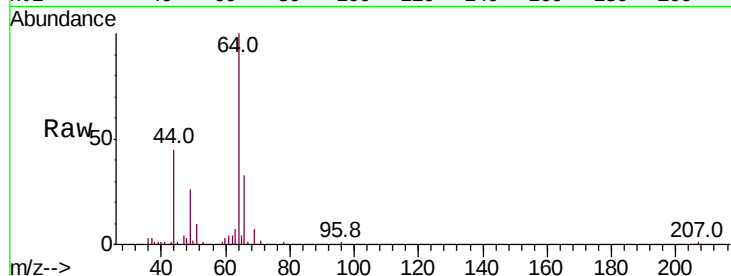




#8
Chloroethane
Concen: 4.957 ug/L
RT: 1.60 min Scan# 159
Delta R.T. 0.00 min
Lab File: VV007892.D
Acq: 26 Sep 2018 19:29

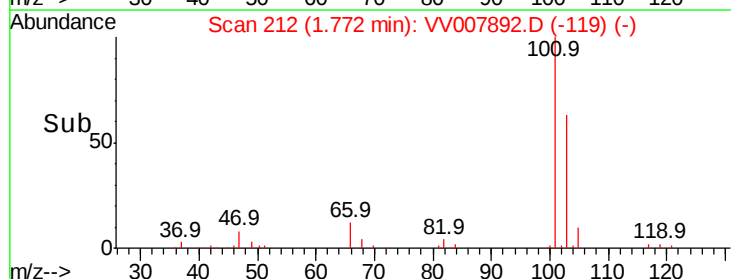
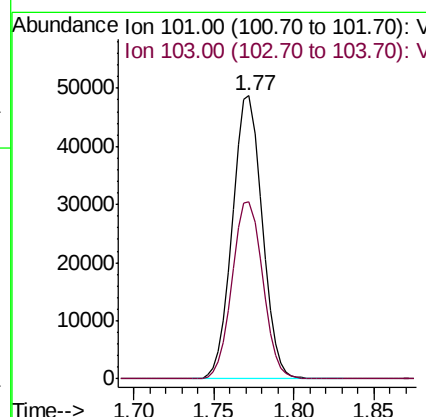
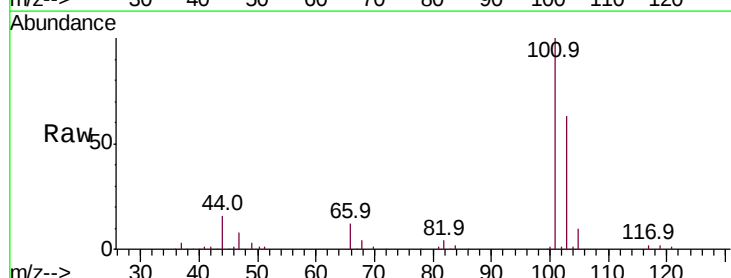
Instrument :
MSVOA_V
ClientSampleId :

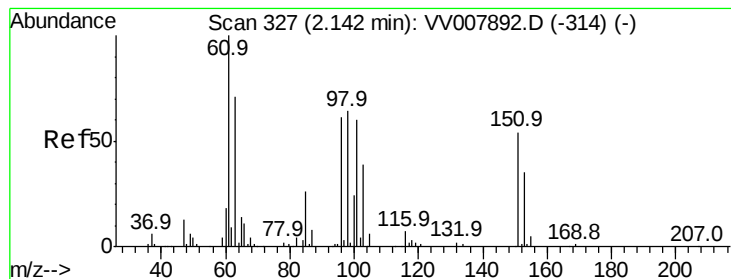
Tot Ion: 64 Resp: 22543
Ion Ratio Lower Upper
64 100
66 33.0 23.1 42.9



#9
Trichlorofluoromethane
Concen: 4.398 ug/L
RT: 1.77 min Scan# 212
Delta R.T. 0.00 min
Lab File: VV007892.D
Acq: 26 Sep 2018 19:29

Tgt Ion:101 Resp: 61656
Ion Ratio Lower Upper
101 100
103 64.4 51.5 77.3





#10

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

Concen: 4.551 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV007892.D

Acq: 26 Sep 2018 19:29

Instrument :

MSVOA_V

ClientSampled :

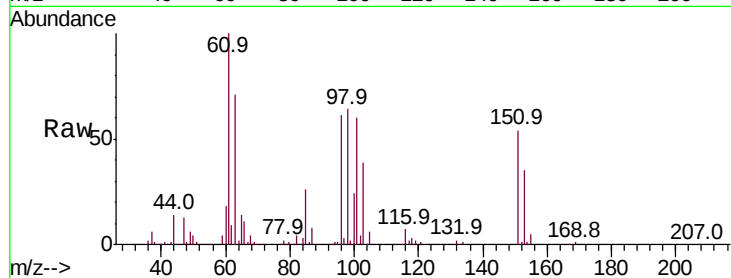
Tot Ion:101 Resp: 34901

Ion Ratio Lower Upper

101 100

85 43.4 34.7 52.1

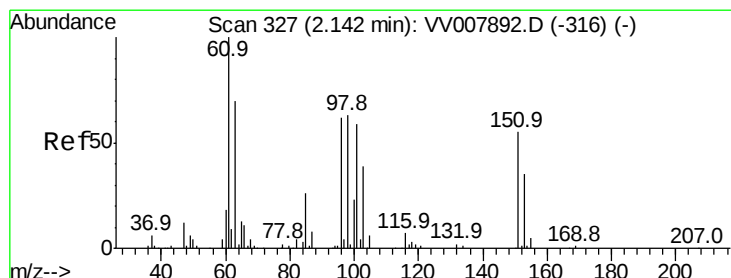
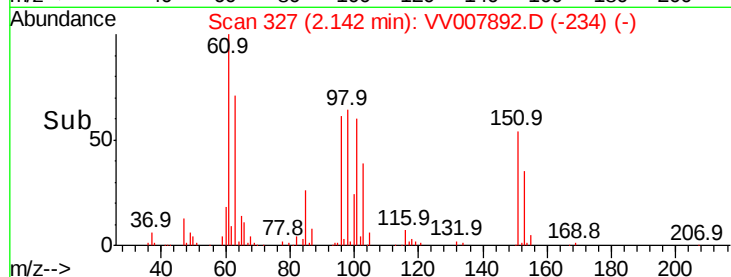
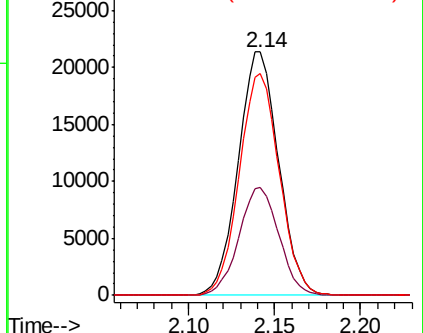
151 90.2 72.2 108.2



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: 4.592 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV007892.D

Acq: 26 Sep 2018 19:29

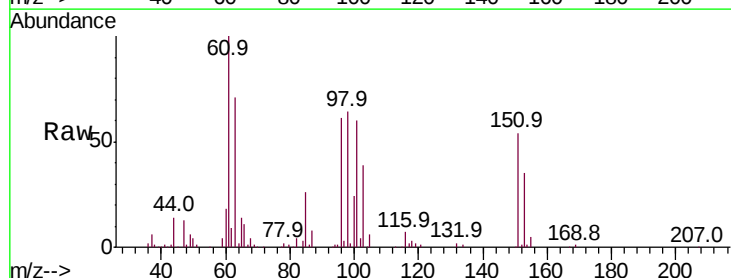
Tgt Ion: 96 Resp: 31143

Ion Ratio Lower Upper

96 100

61 163.0 114.1 211.9

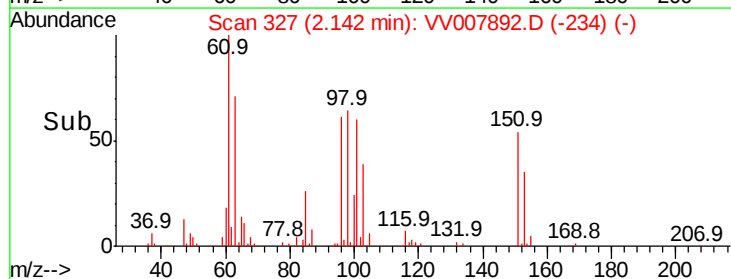
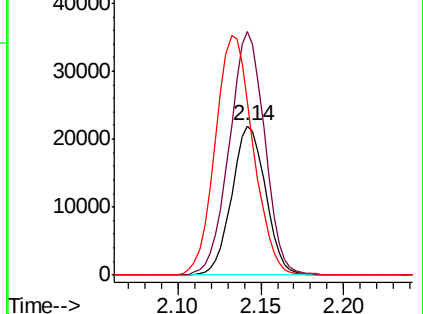
63 116.4 81.5 151.3

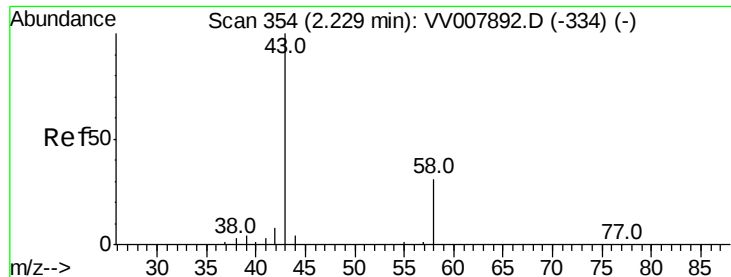


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 52.225 ug/L

RT: 2.23 min Scan# 354

Delta R.T. 0.00 min

Lab File: VV007892.D

Acq: 26 Sep 2018 19:29

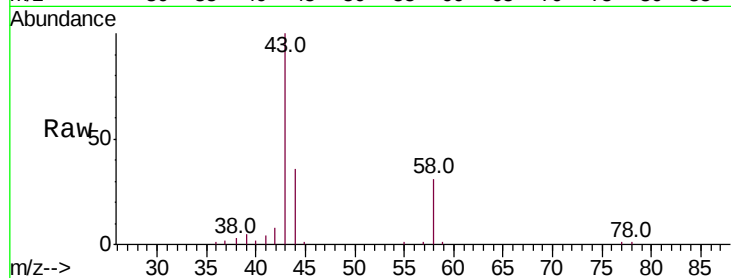
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 51619

Ion Ratio Lower Upper

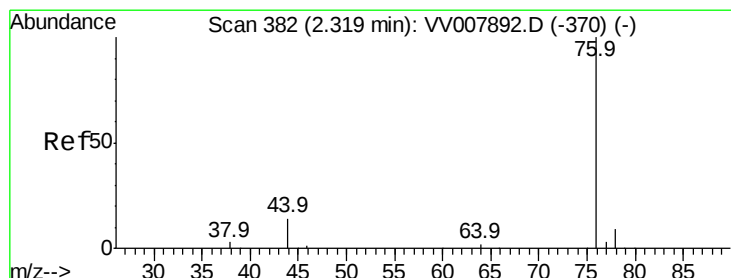
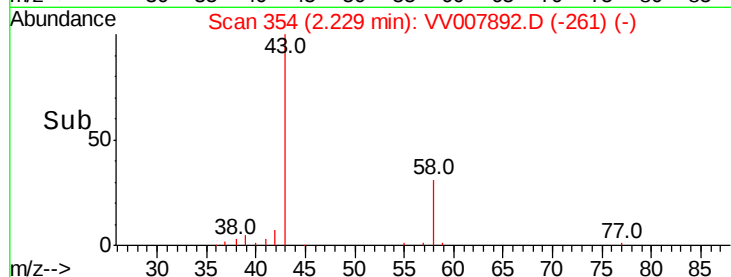
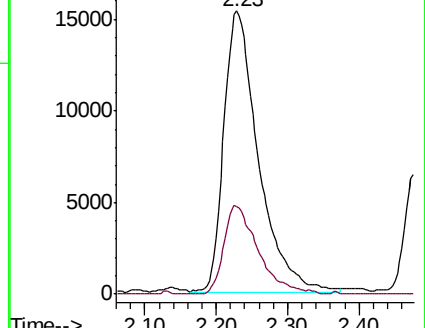
43 100

58 31.0 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) (-)



#14

Carbon disulfide

Concen: 4.473 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV007892.D

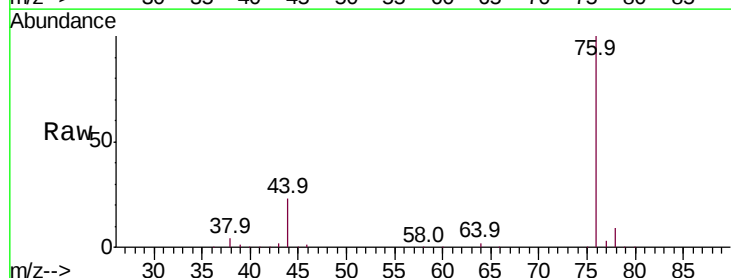
Acq: 26 Sep 2018 19:29

Tgt Ion: 76 Resp: 80354

Ion Ratio Lower Upper

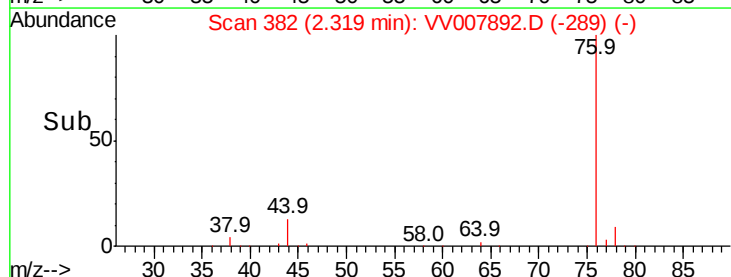
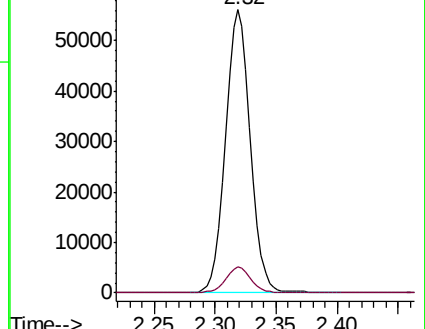
76 100

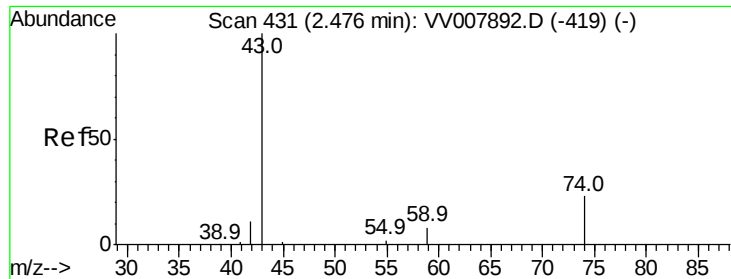
78 9.0 7.2 10.8



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

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

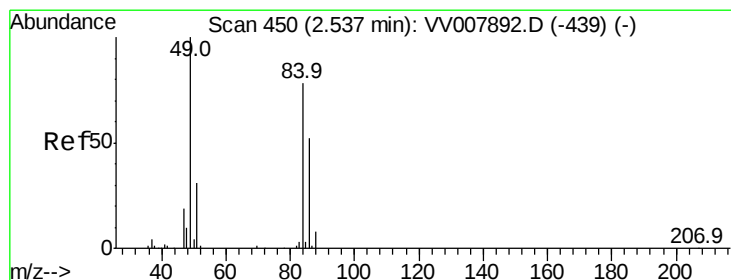
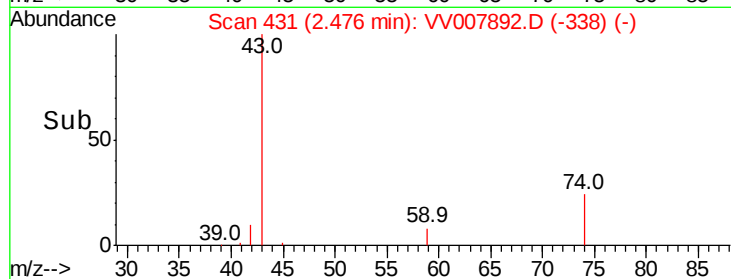
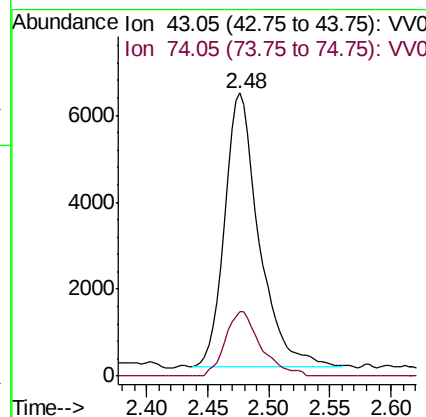
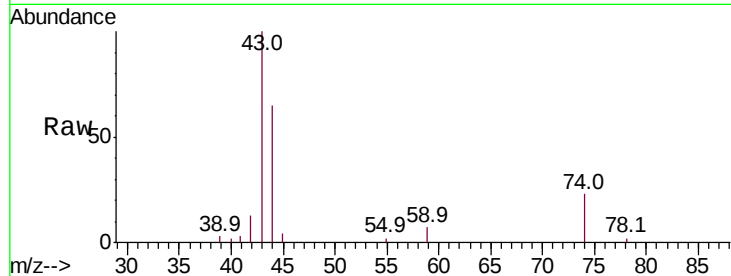




#15
Methvl Acetate
Concen: 5.207 ug/L
RT: 2.48 min Scan# 431
Delta R.T. 0.00 min
Lab File: VV007892.D
Acq: 26 Sep 2018 19:29

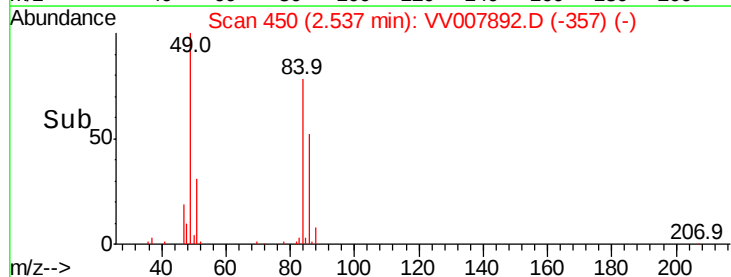
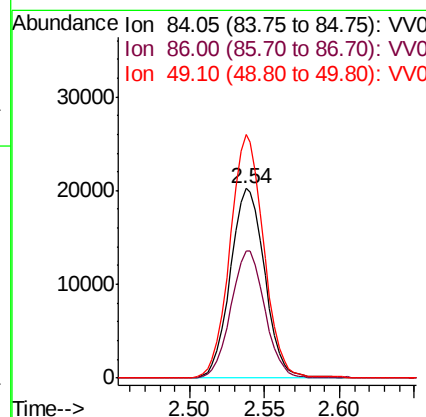
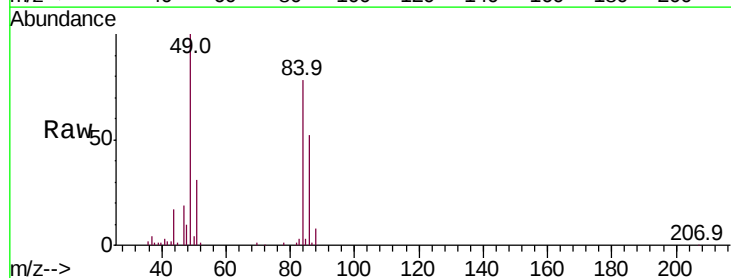
Instrument :
MSVOA_V
ClientSampleId :

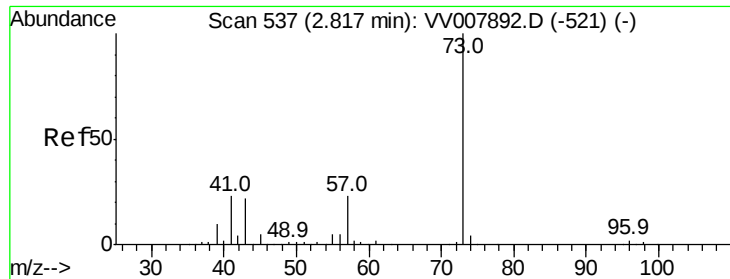
Tot Ion: 43 Resp: 12423
Ion Ratio Lower Upper
43 100
74 24.4 19.5 29.3



#16
Methylene chloride
Concen: 4.648 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV007892.D
Acq: 26 Sep 2018 19:29

Tgt Ion: 84 Resp: 32437
Ion Ratio Lower Upper
84 100
86 67.5 47.3 87.8
49 128.6 90.0 167.2

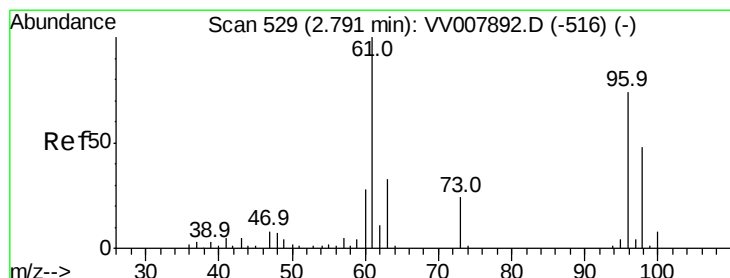
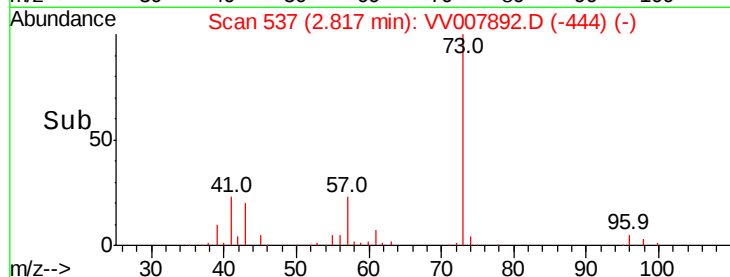
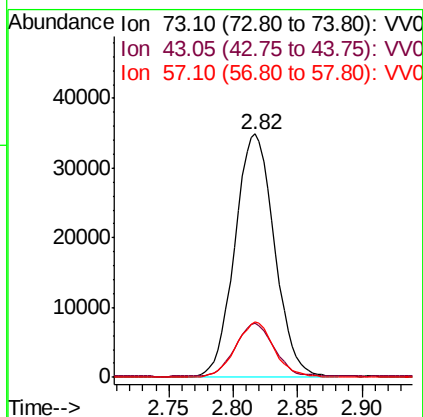
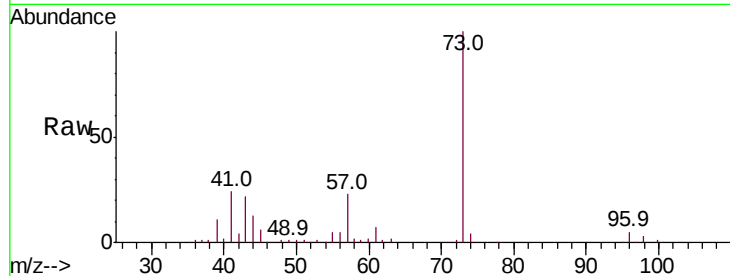




#17
Methvl tert-butvl Ether
Concen: 4.683 ug/L
RT: 2.82 min Scan# 537
Delta R.T. 0.00 min
Lab File: VV007892.D
Acq: 26 Sep 2018 19:29

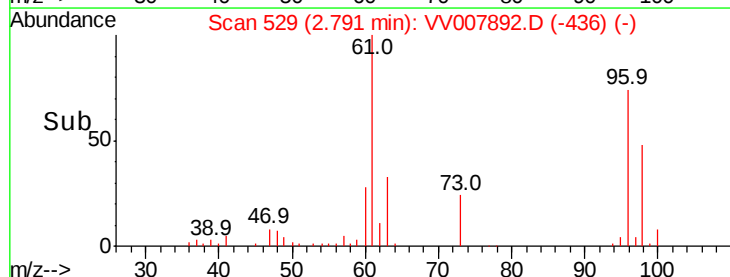
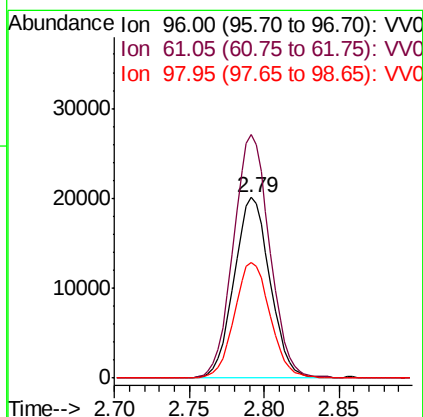
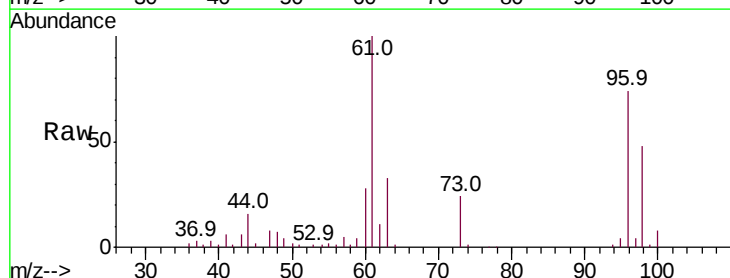
Instrument :
MSVOA_V
ClientSampleId :

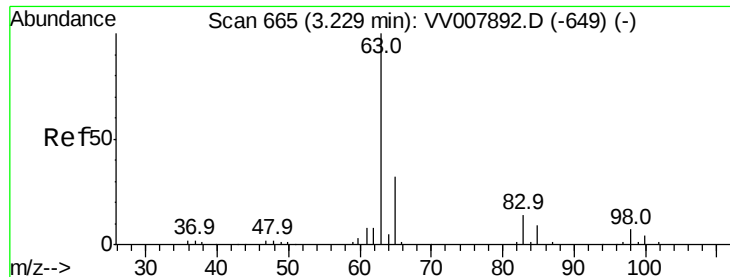
Tot Ion: 73 Resp: 74767
Ion Ratio Lower Upper
73 100
43 21.0 16.8 25.2
57 22.0 17.6 26.4



#18
trans-1,2-Dichloroethene
Concen: 4.532 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV007892.D
Acq: 26 Sep 2018 19:29

Tgt Ion: 96 Resp: 33658
Ion Ratio Lower Upper
96 100
61 134.6 94.2 175.0
98 64.2 44.9 83.5



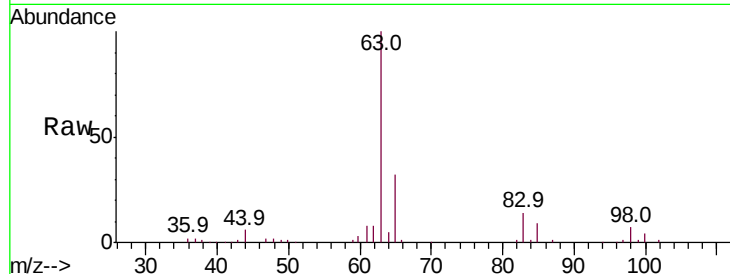


#19
 1,1-Dichloroethane
 Concen: 5.666 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV007892.D
 Acq: 26 Sep 2018 19:29

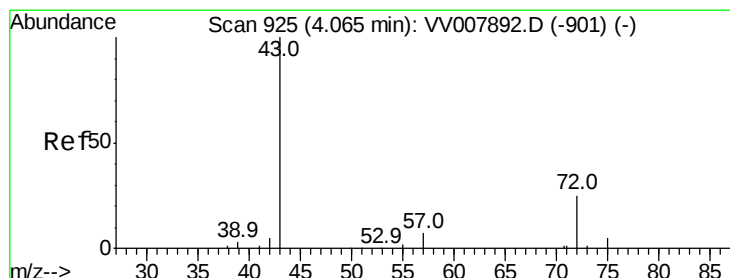
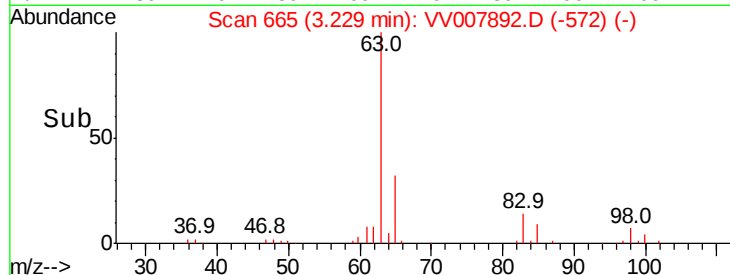
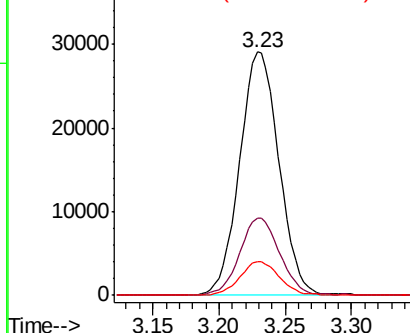
Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 63 Resp: 59807

Ion	Ratio	Lower	Upper
63	100		
65	31.9	22.3	41.5
83	14.0	9.8	18.2



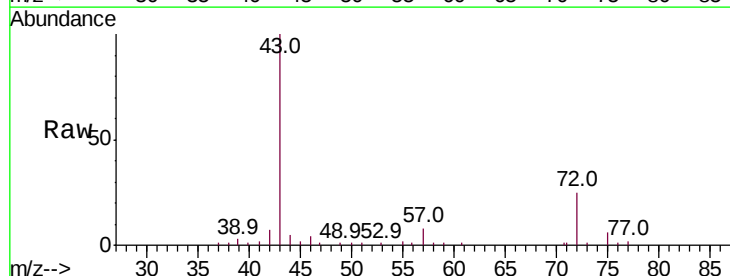
Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0



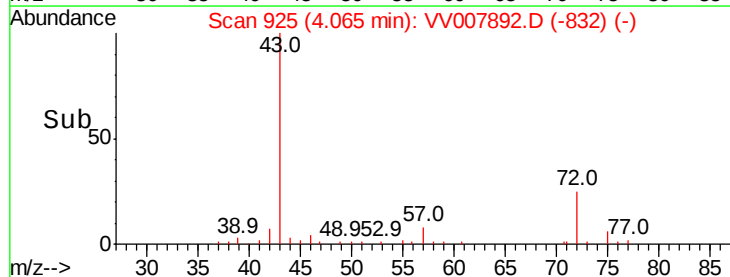
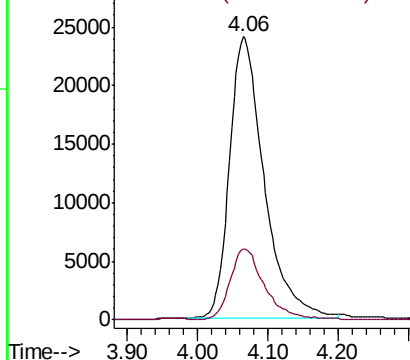
#21
 2-Butanone
 Concen: 62.805 ug/L
 RT: 4.06 min Scan# 925
 Delta R.T. 0.00 min
 Lab File: VV007892.D
 Acq: 26 Sep 2018 19:29

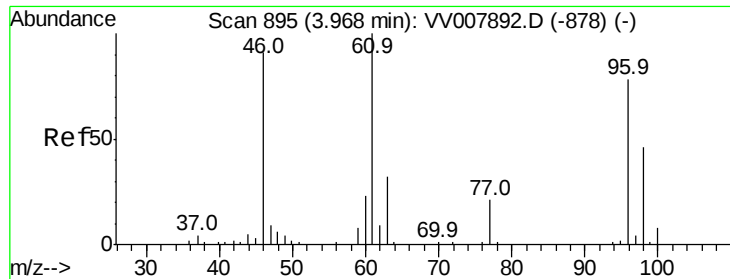
Tgt Ion: 43 Resp: 82310

Ion	Ratio	Lower	Upper
43	100		
72	25.0	12.5	37.5



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



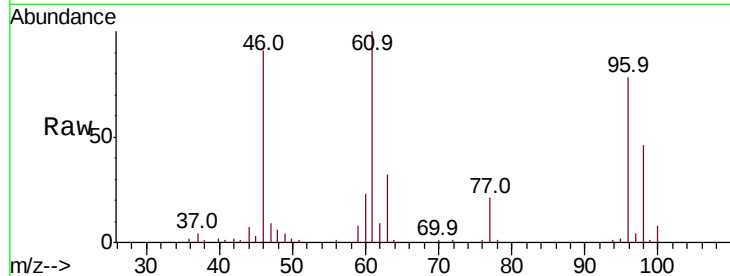


#22

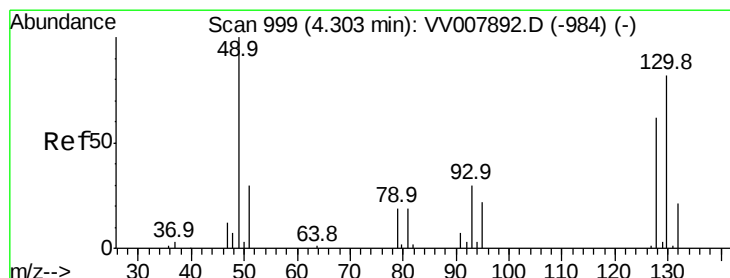
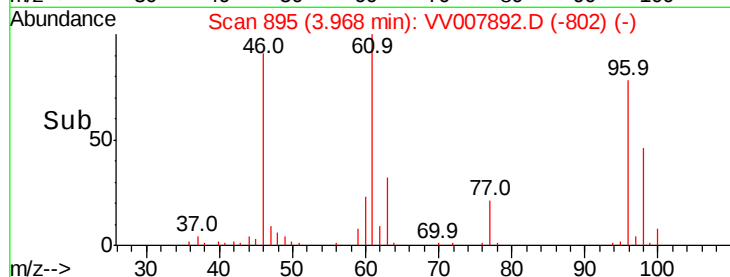
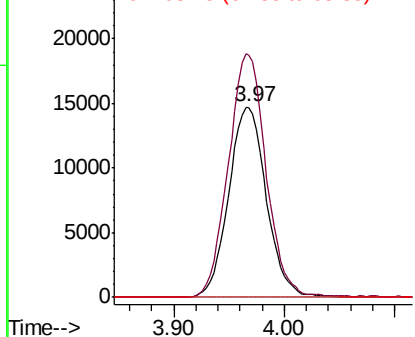
cis-1,2-Dichloroethene
 Concen: 5.123 ug/L
 RT: 3.97 min Scan# 895
 Delta R.T. 0.00 min
 Lab File: VV007892.D
 Acq: 26 Sep 2018 19:29

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 96 Resp: 34820
 Ion Ratio Lower Upper
 96 100
 61 127.8 89.5 166.1
 68 0.0 0.0 0.0



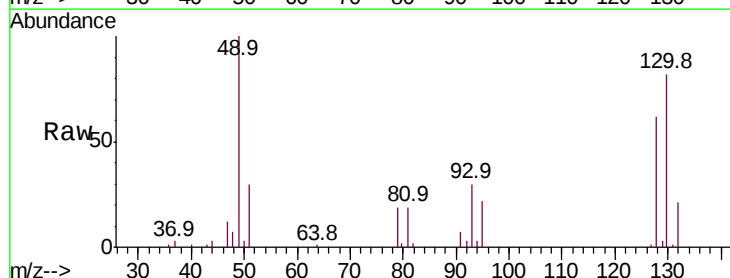
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



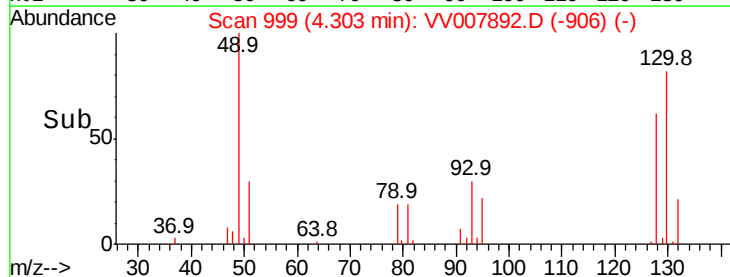
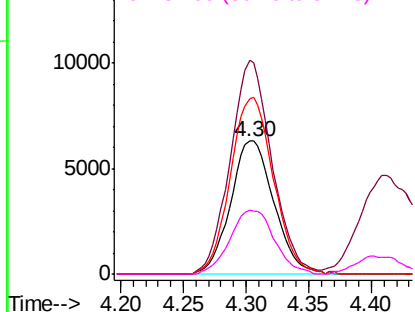
#23

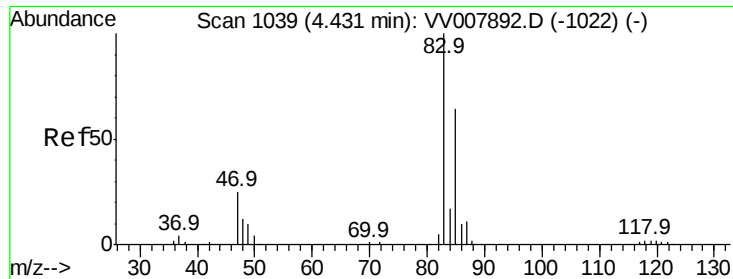
Bromochloromethane
 Concen: 4.942 ug/L
 RT: 4.30 min Scan# 999
 Delta R.T. 0.00 min
 Lab File: VV007892.D
 Acq: 26 Sep 2018 19:29

Tgt Ion: 128 Resp: 15119
 Ion Ratio Lower Upper
 128 100
 49 161.1 112.8 209.4
 130 131.9 92.3 171.5
 51 48.0 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

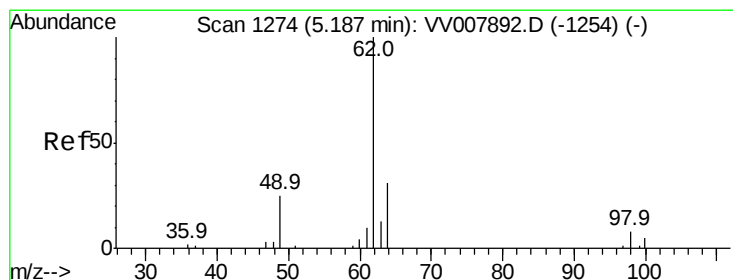
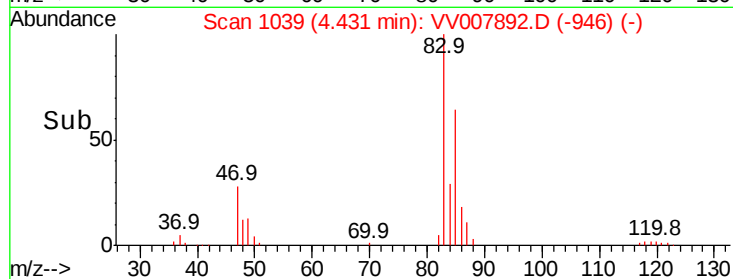
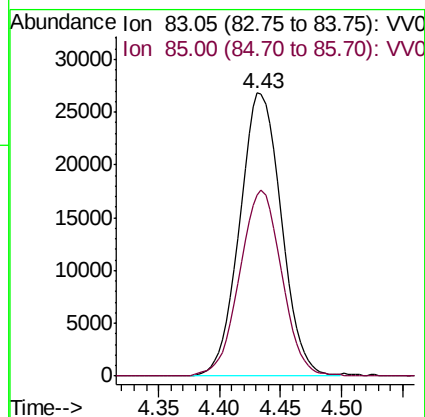
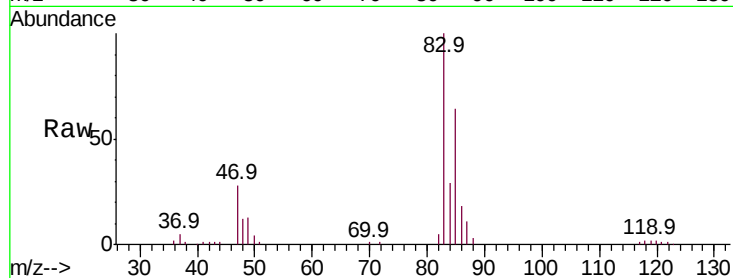




#25
Chloroform
Concen: 5.591 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.00 min
Lab File: VV007892.D
Acq: 26 Sep 2018 19:29

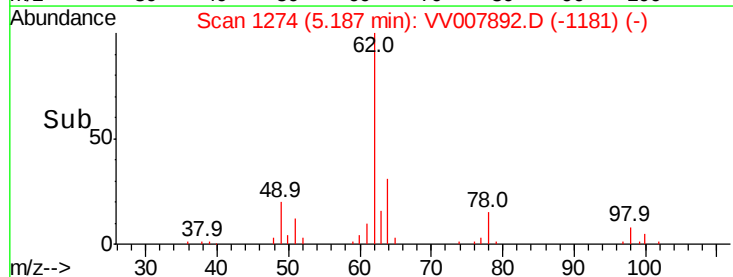
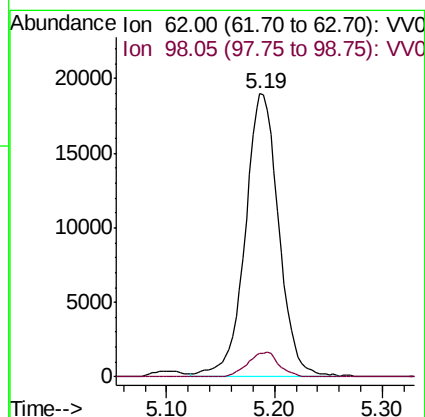
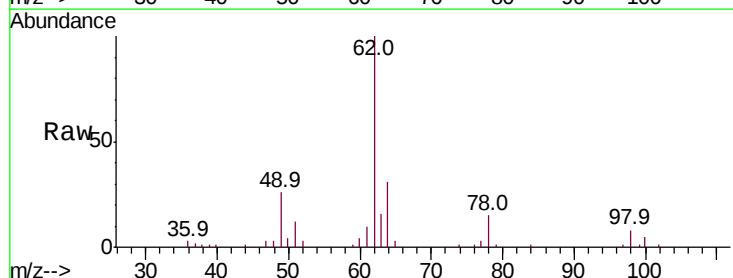
Instrument :
MSVOA_V
ClientSampled :

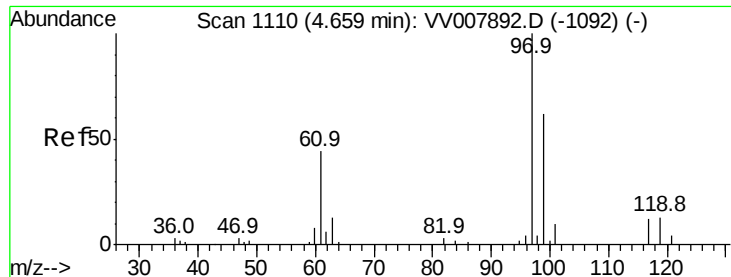
Tot Ion: 83 Resp: 63408
Ion Ratio Lower Upper
83 100
85 64.0 44.8 83.2



#27
1,2-Dichloroethane
Concen: 5.914 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. 0.00 min
Lab File: VV007892.D
Acq: 26 Sep 2018 19:29

Tgt Ion: 62 Resp: 41149
Ion Ratio Lower Upper
62 100
98 8.3 6.6 10.0

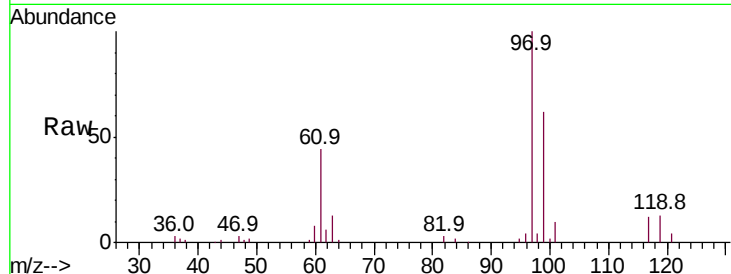




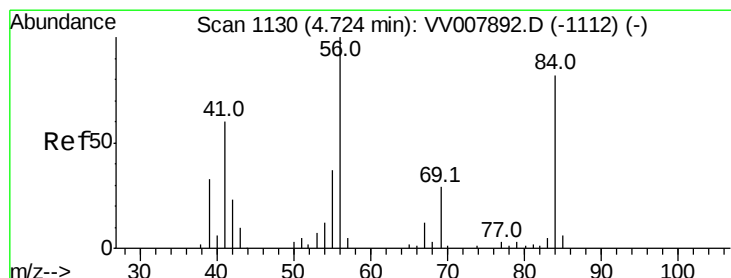
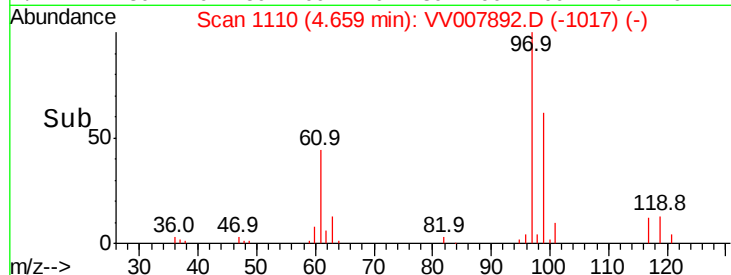
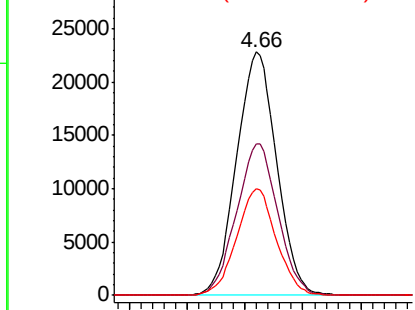
#29
 1,1,1-Trichloroethane
 Concen: 4.991 ug/L
 RT: 4.66 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VV007892.D
 Acq: 26 Sep 2018 19:29

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 97 Resp: 54933
 Ion Ratio Lower Upper
 97 100
 99 64.0 51.2 76.8
 61 43.3 34.6 52.0

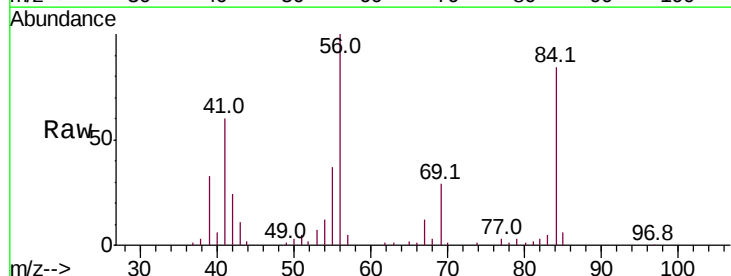


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

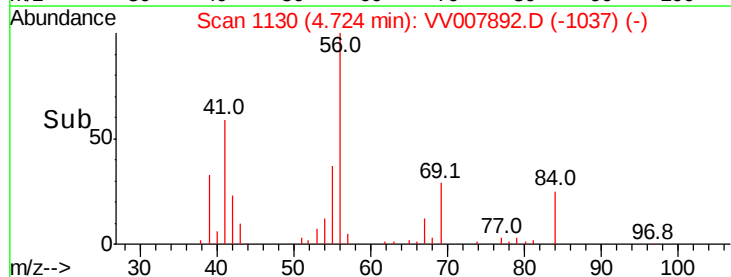
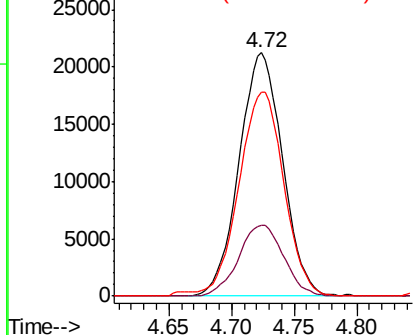


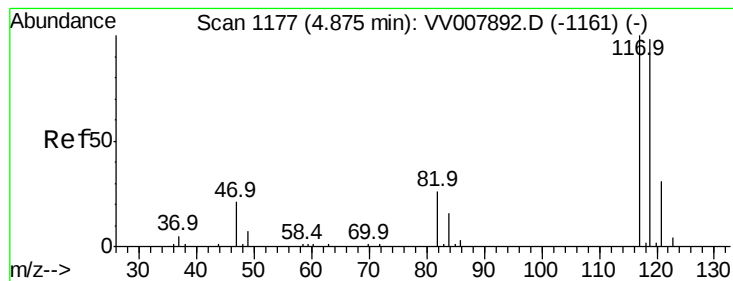
#30
 Cyclohexane
 Concen: 5.334 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. 0.00 min
 Lab File: VV007892.D
 Acq: 26 Sep 2018 19:29

Tgt Ion: 56 Resp: 51164
 Ion Ratio Lower Upper
 56 100
 69 30.3 24.2 36.4
 84 87.3 69.8 104.8



Abundance Ion 56.10 (55.80 to 56.80): VV0
 Ion 69.15 (68.85 to 69.85): VV0
 Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 4.859 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV007892.D

Acq: 26 Sep 2018 19:29

Instrument :

MSVOA_V

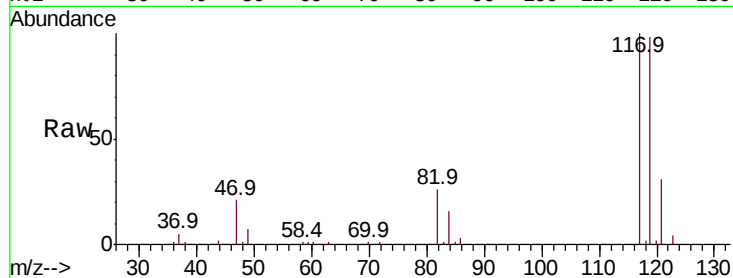
ClientSampleId :

Tot Ion:117 Resp: 48527

Ion Ratio Lower Upper

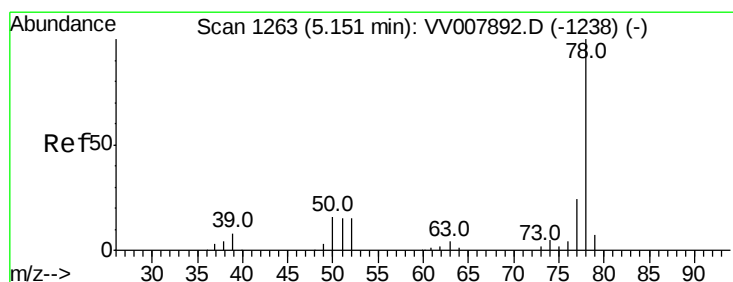
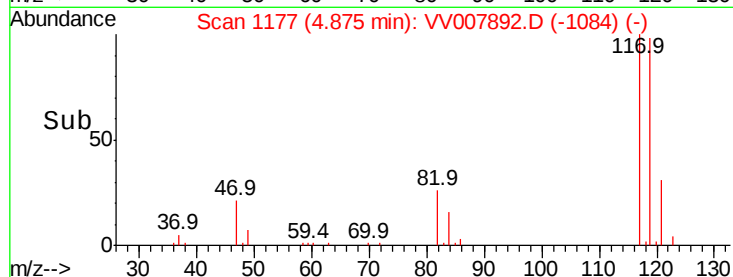
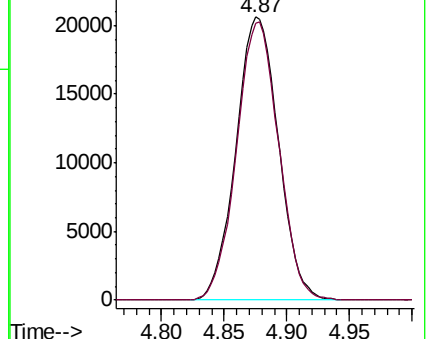
117 100

119 97.3 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: 5.220 ug/L

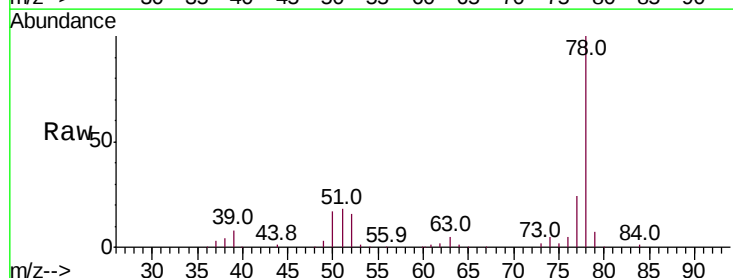
RT: 5.15 min Scan# 1263

Delta R.T. 0.00 min

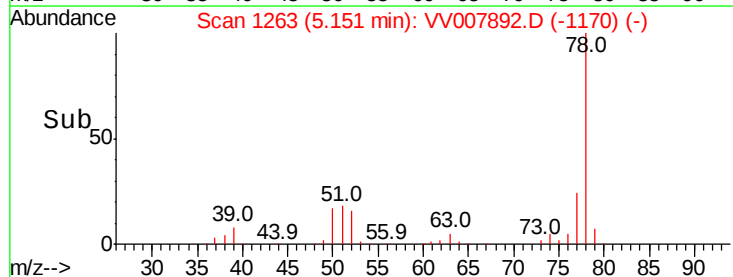
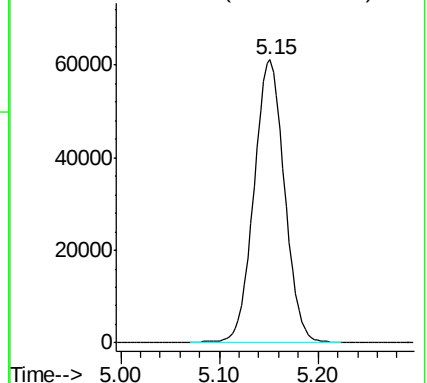
Lab File: VV007892.D

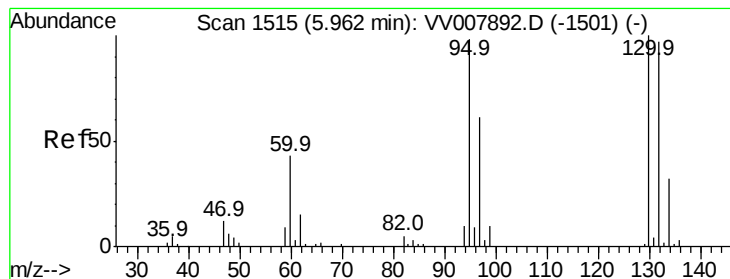
Acq: 26 Sep 2018 19:29

Tgt Ion: 78 Resp: 130821



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 5.026 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV007892.D

Acq: 26 Sep 2018 19:29

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 95 Resp: 36663

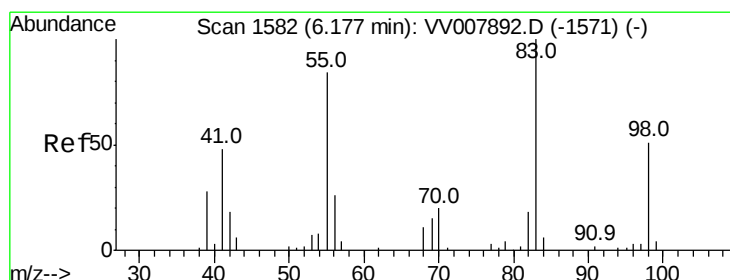
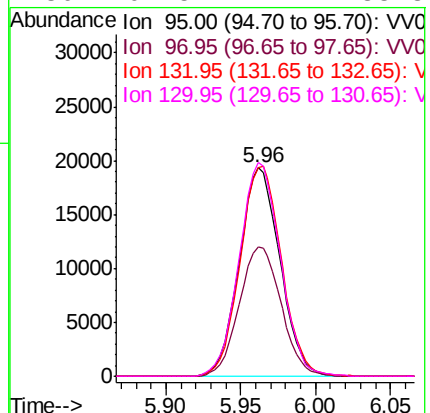
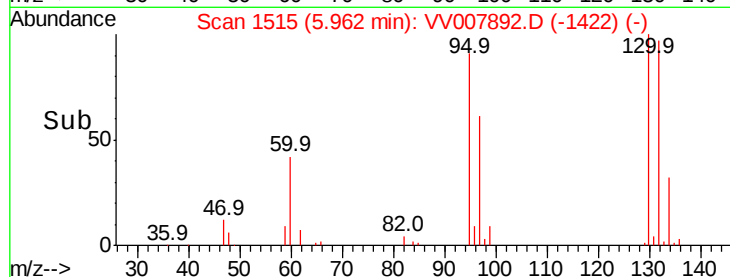
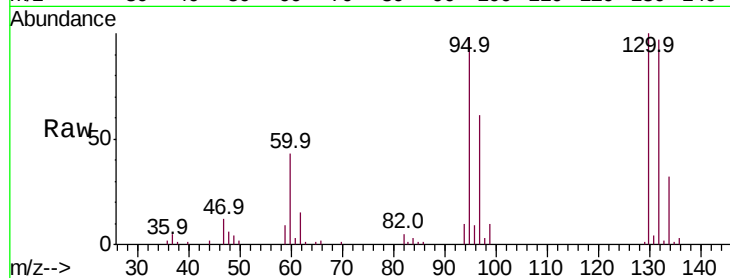
Ion Ratio Lower Upper

95 100

97 62.3 43.6 81.0

132 99.9 69.9 129.9

130 102.5 71.7 133.3



#35

Methylcyclohexane

Concen: 4.969 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV007892.D

Acq: 26 Sep 2018 19:29

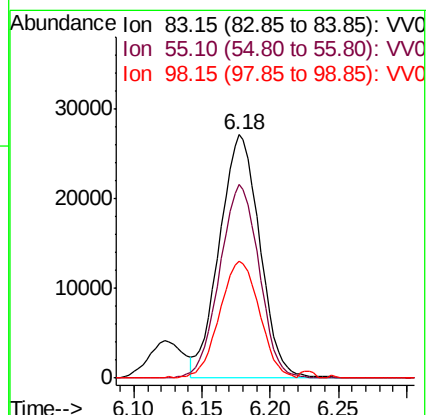
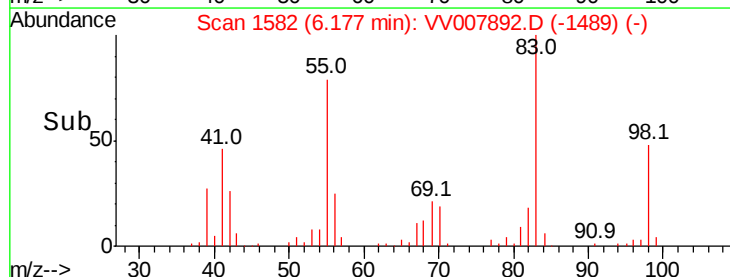
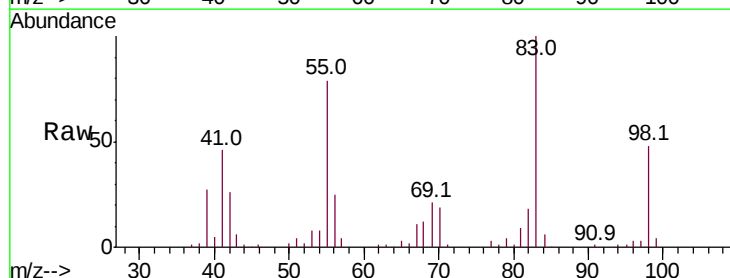
Tgt Ion: 83 Resp: 55685

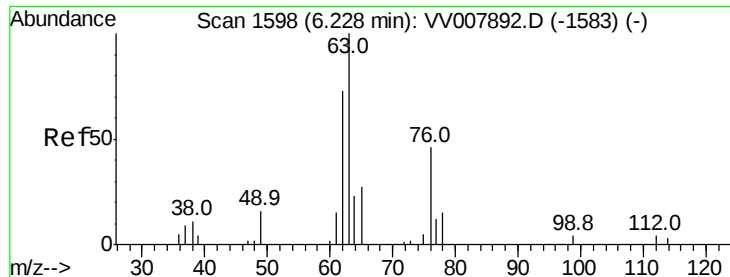
Ion Ratio Lower Upper

83 100

55 77.7 62.2 93.2

98 47.5 38.0 57.0





#37

1,2-Dichloropropane

Concen: 5.368 ug/L

RT: 6.23 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VV007892.D

Acq: 26 Sep 2018 19:29

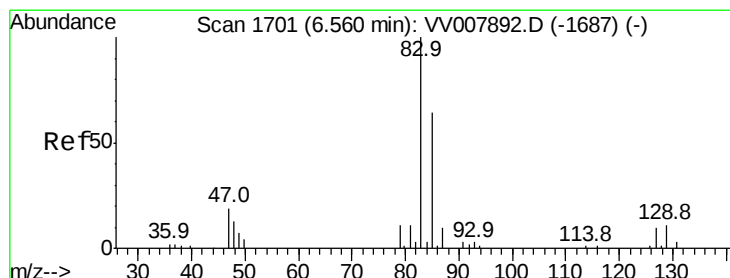
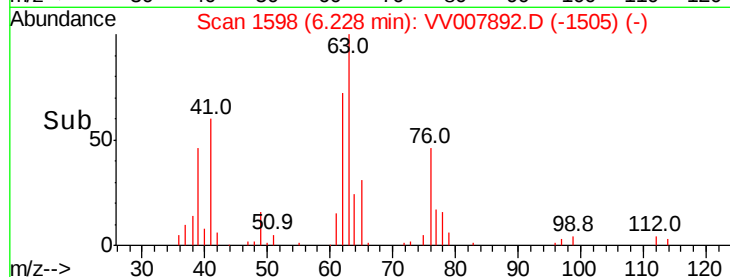
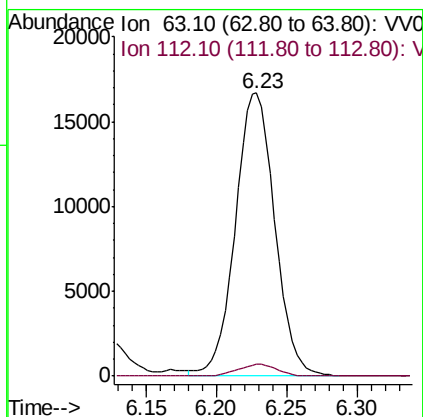
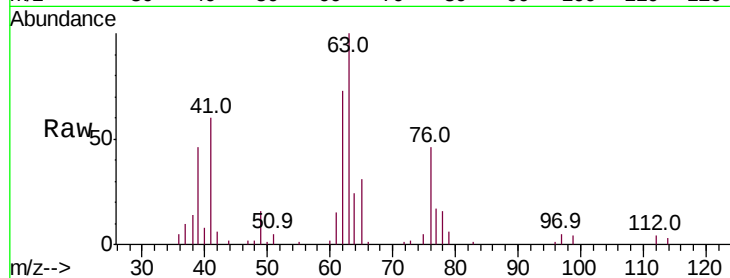
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 63 Resp: 32746

Ion Ratio Lower Upper

63 100

112 4.2 3.4 5.0



#38

Bromodichloromethane

Concen: 5.041 ug/L

RT: 6.56 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VV007892.D

Acq: 26 Sep 2018 19:29

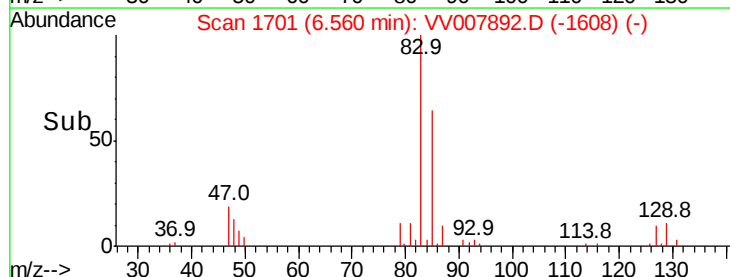
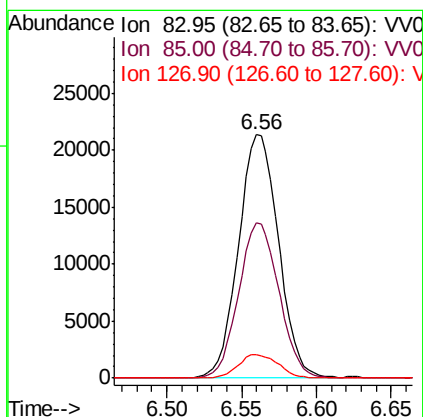
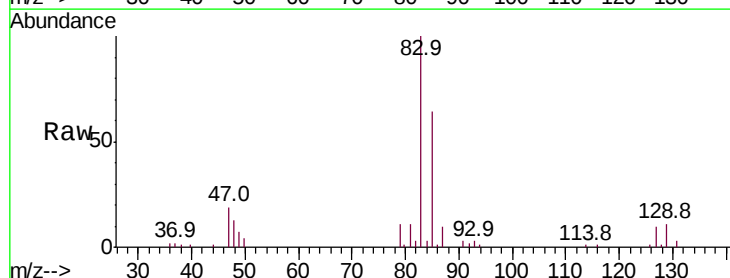
Tgt Ion: 83 Resp: 39799

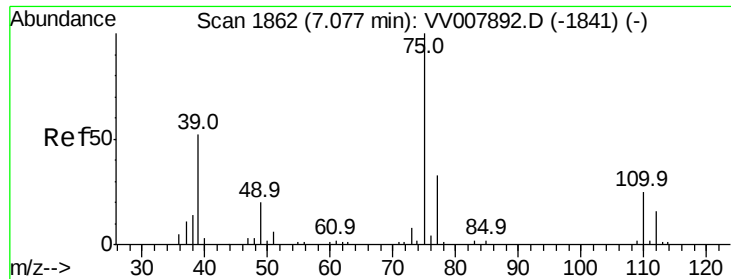
Ion Ratio Lower Upper

83 100

85 63.8 44.7 82.9

127 9.7 7.8 11.6

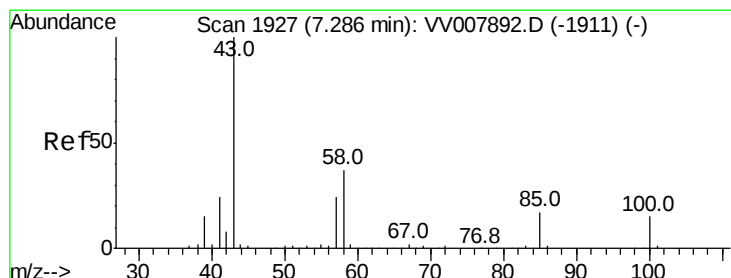
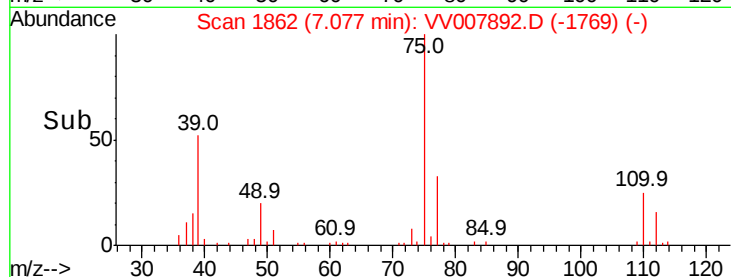
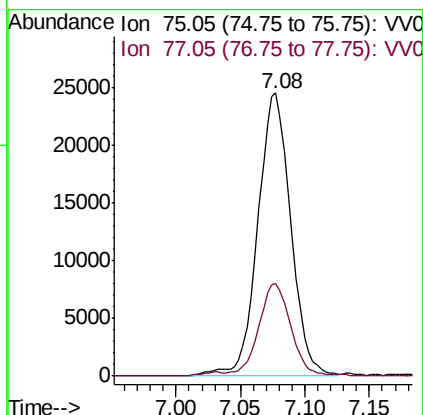
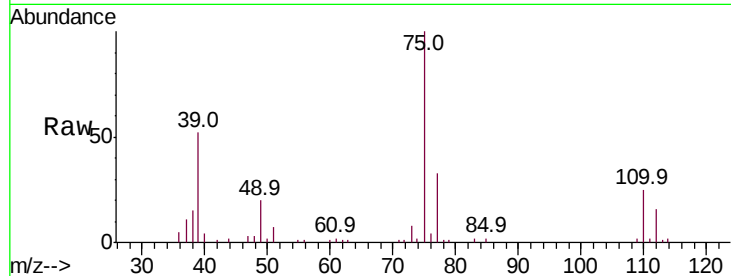




#39
 cis-1,3-Dichloropropene
 Concen: 5.081 ug/L
 RT: 7.08 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VV007892.D
 Acq: 26 Sep 2018 19:29

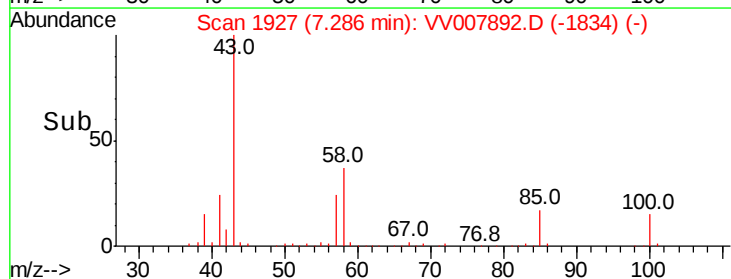
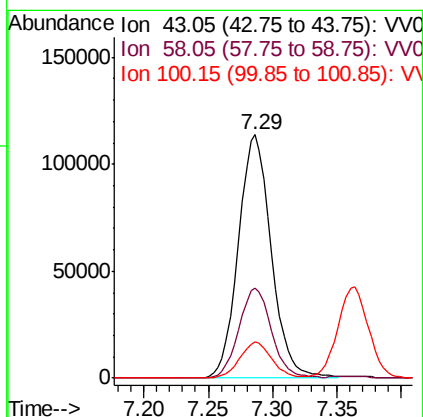
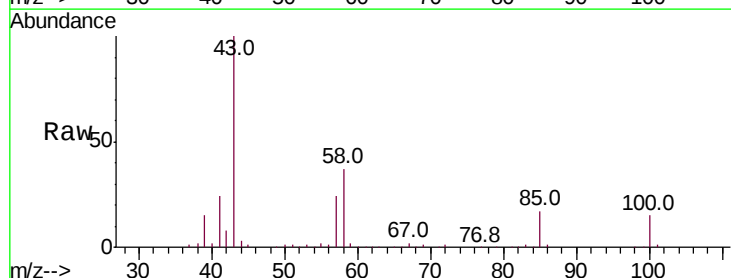
Instrument :
 MSVOA_V
 ClientSampled :

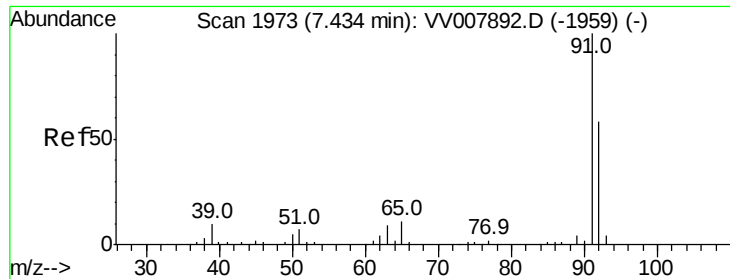
Tot Ion: 75 Resp: 43899
 Ion Ratio Lower Upper
 75 100
 77 32.7 22.9 42.5



#40
 4-Methyl-2-pentanone
 Concen: 59.567 ug/L
 RT: 7.29 min Scan# 1927
 Delta R.T. 0.00 min
 Lab File: VV007892.D
 Acq: 26 Sep 2018 19:29

Tgt Ion: 43 Resp: 202268
 Ion Ratio Lower Upper
 43 100
 58 36.7 29.4 44.0
 100 14.4 11.5 17.3





#42

Toluene

Concen: 5.077 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV007892.D

Acq: 26 Sep 2018 19:29

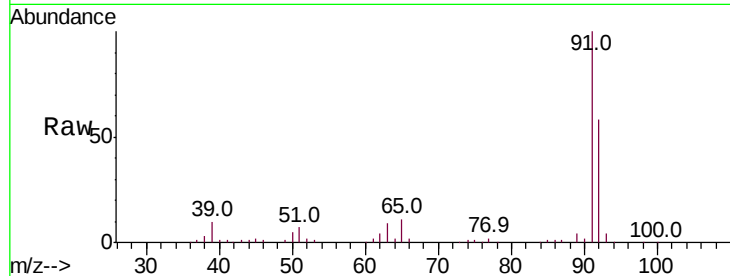
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 143070

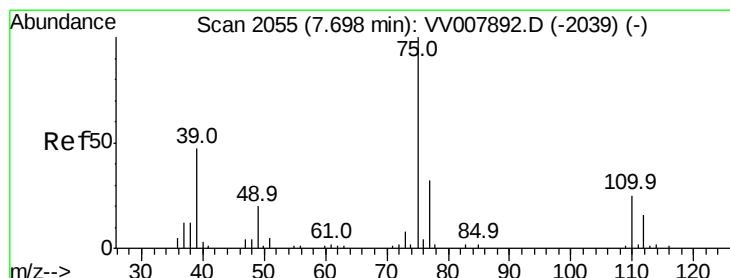
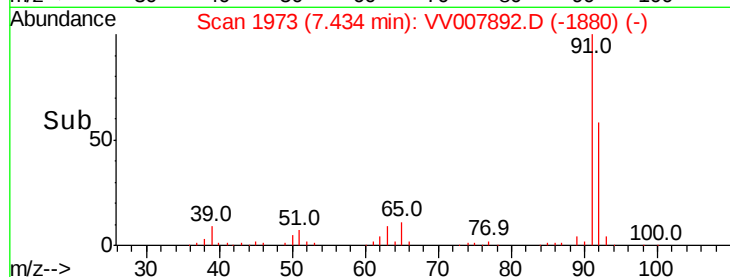
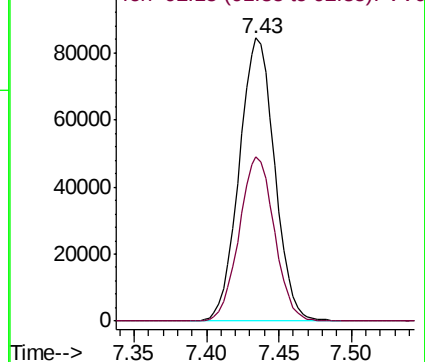
Ion Ratio Lower Upper

91 100

92 58.3 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: 5.227 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV007892.D

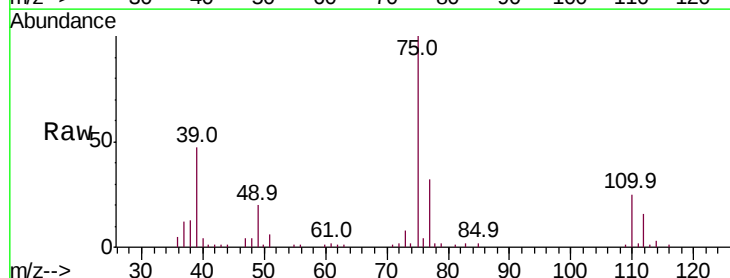
Acq: 26 Sep 2018 19:29

Tgt Ion: 75 Resp: 36921

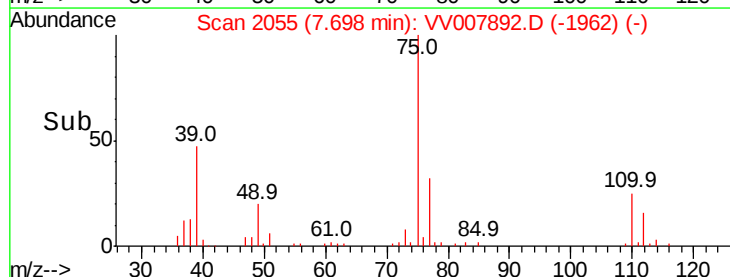
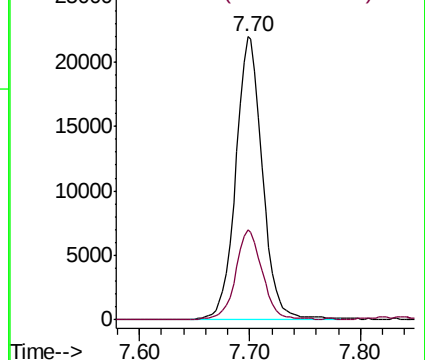
Ion Ratio Lower Upper

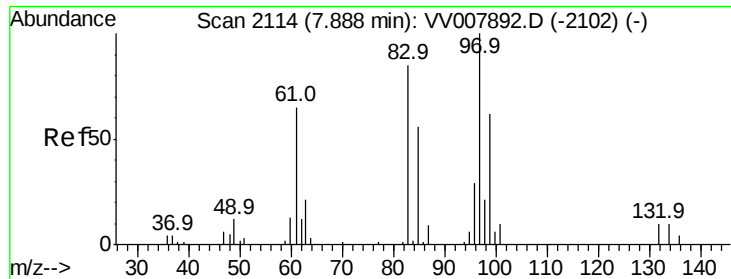
75 100

77 31.9 22.3 41.5



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

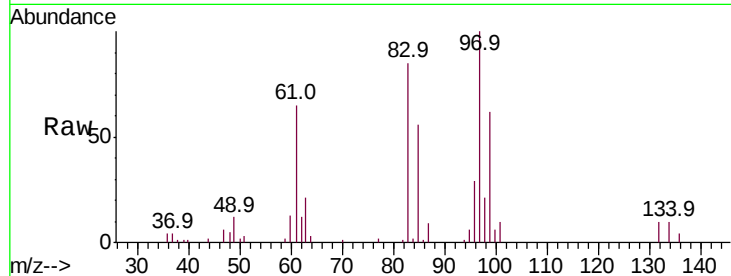




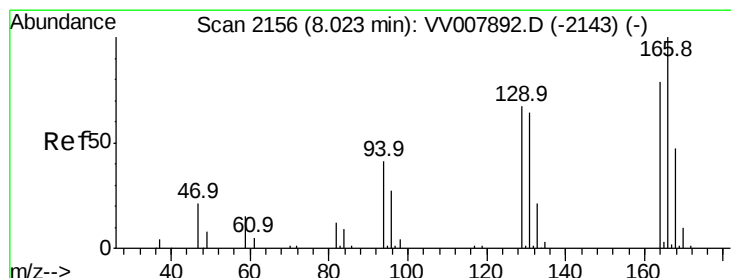
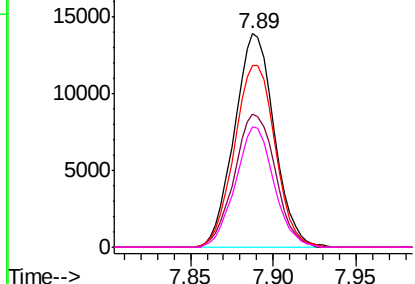
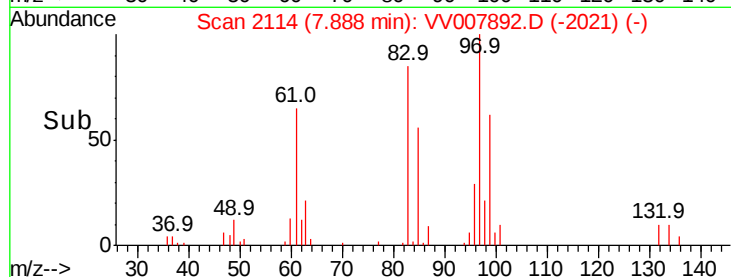
#45
 1,1,2-Trichloroethane
 Concen: 5.018 ug/L
 RT: 7.89 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VV007892.D
 Acq: 26 Sep 2018 19:29

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	23152
Ion	Ratio	Lower	Upper
97	100		
99	62.2	43.5	80.9
83	85.3	59.7	110.9
85	56.4	39.5	73.3

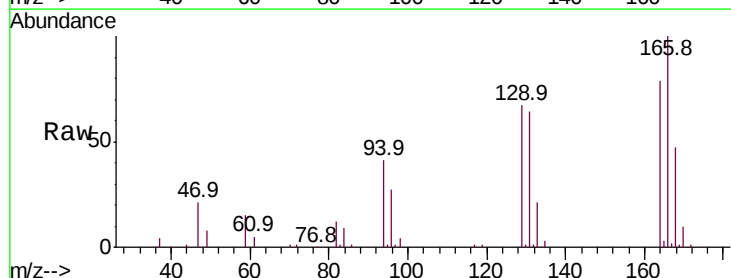


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

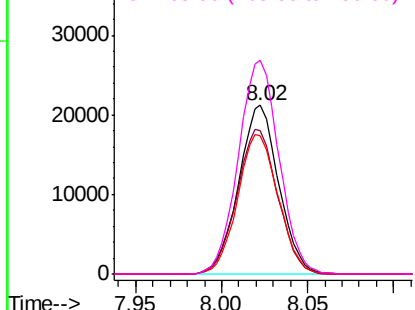
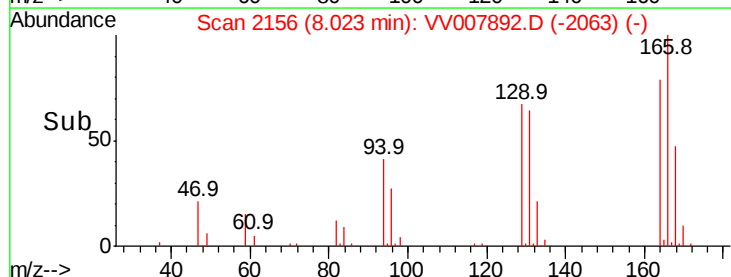


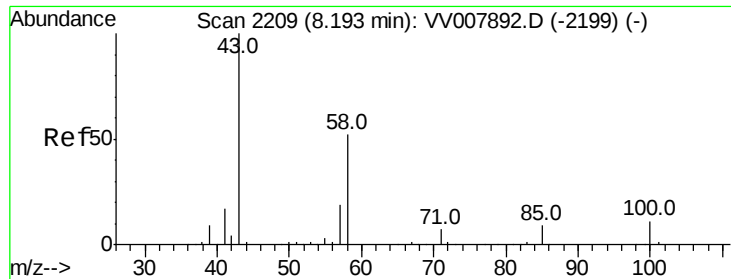
#47
 Tetrachloroethene
 Concen: 4.820 ug/L
 RT: 8.02 min Scan# 2156
 Delta R.T. 0.00 min
 Lab File: VV007892.D
 Acq: 26 Sep 2018 19:29

Tgt Ion:	164	Resp:	34197
Ion	Ratio	Lower	Upper
164	100		
129	84.6	59.2	110.0
131	81.6	57.1	106.1
166	126.6	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

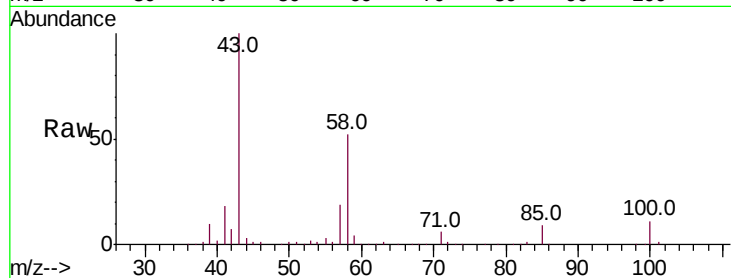




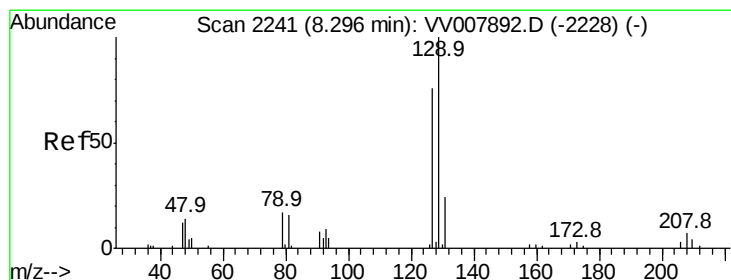
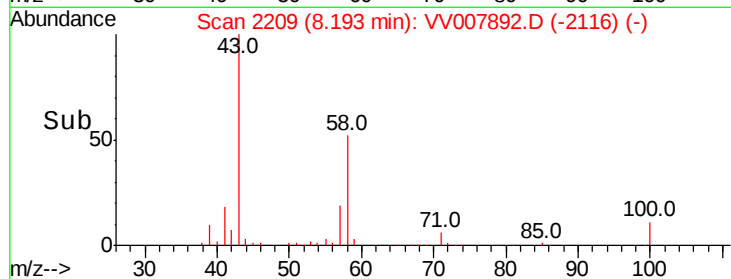
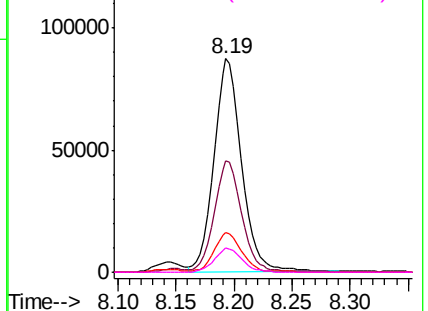
#48
2-Hexanone
Concen: 60.011 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VV007892.D
Acq: 26 Sep 2018 19:29

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 144659
Ion Ratio Lower Upper
43 100
58 52.4 41.9 62.9
57 17.9 14.3 21.5
100 11.5 9.2 13.8

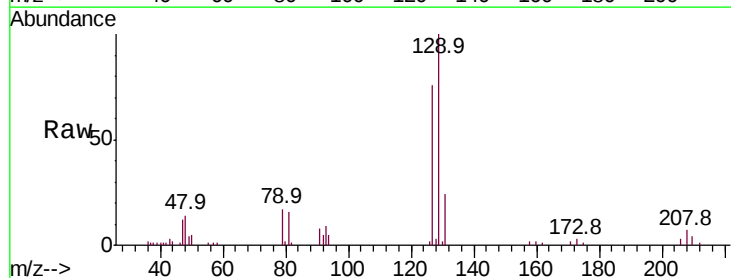


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

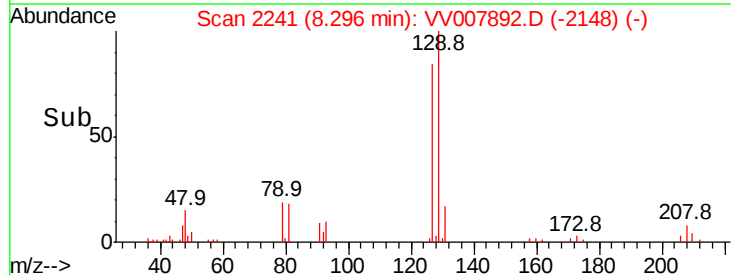
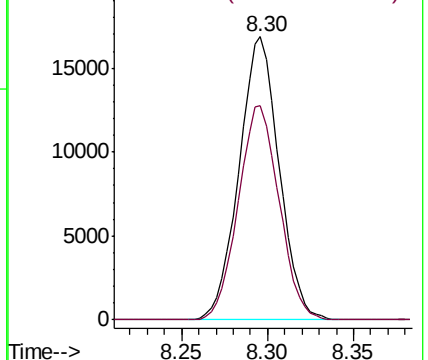


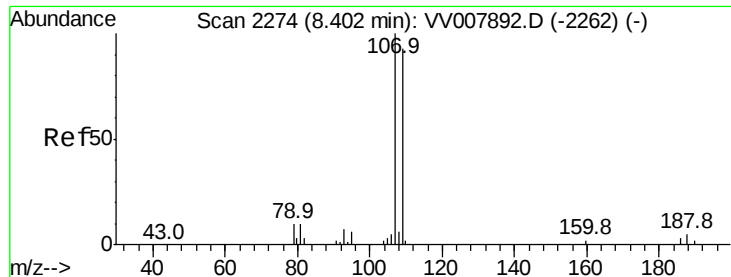
#49
Dibromochloromethane
Concen: 4.824 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VV007892.D
Acq: 26 Sep 2018 19:29

Tgt Ion: 129 Resp: 27253
Ion Ratio Lower Upper
129 100
127 75.8 53.1 98.5



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

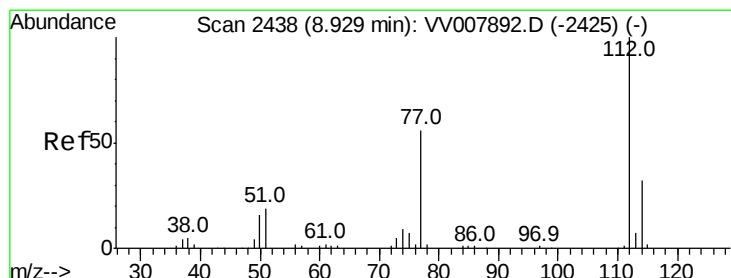
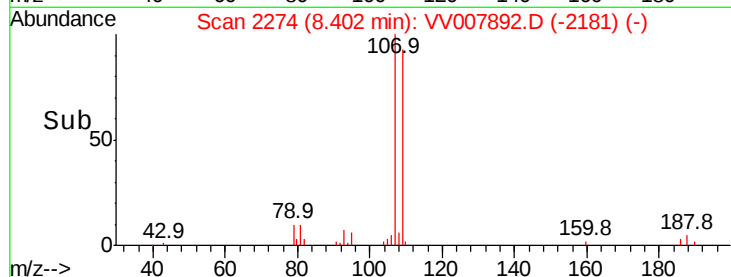
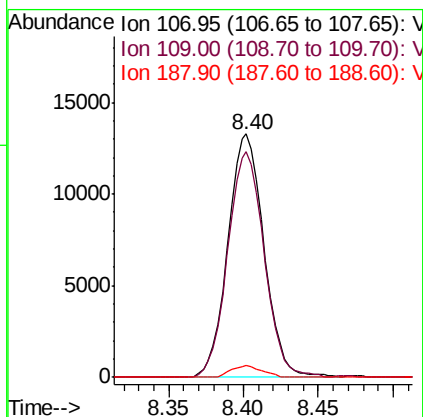
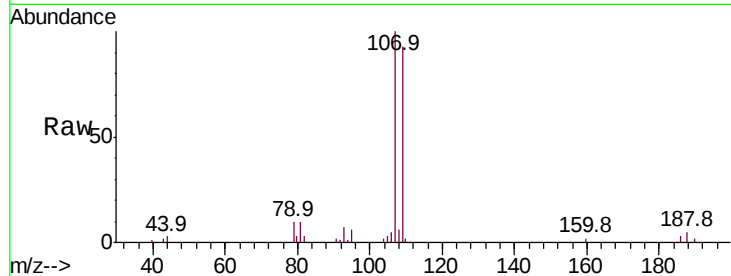




#50
 1,2-Dibromoethane
 Concen: 5.113 ug/L
 RT: 8.40 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VV007892.D
 Acq: 26 Sep 2018 19:29

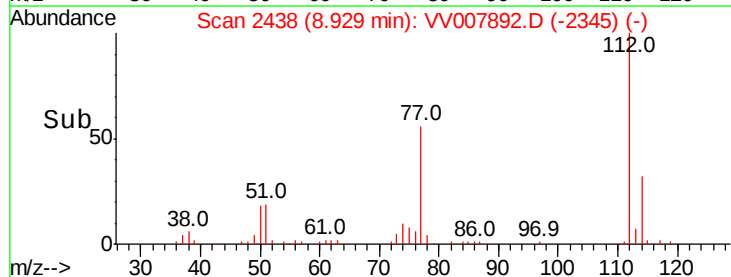
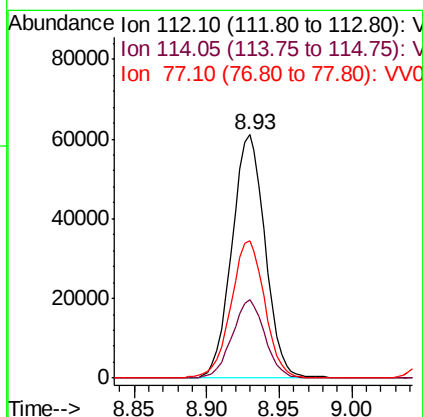
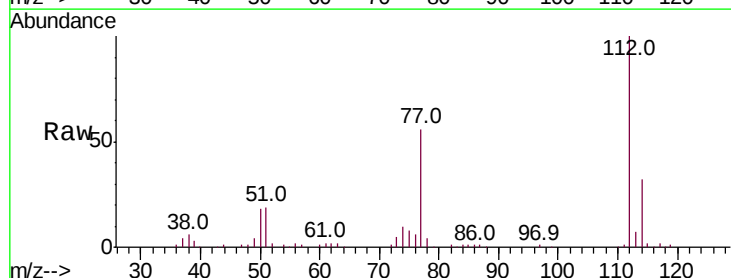
Instrument :
 MSVOA_V
 ClientSampleId :

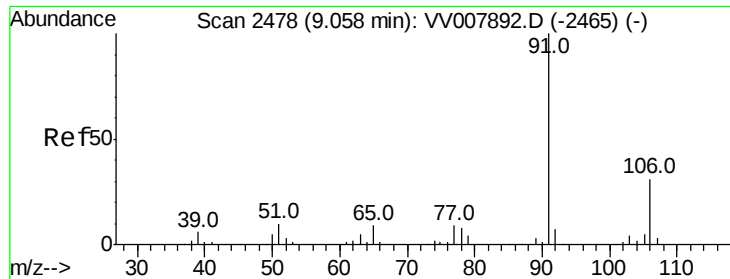
Tot Ion:107 Resp: 22274
 Ion Ratio Lower Upper
 107 100
 109 92.7 64.9 120.5
 188 5.0 4.0 6.0



#51
 Chlorobenzene
 Concen: 4.972 ug/L
 RT: 8.93 min Scan# 2438
 Delta R.T. 0.00 min
 Lab File: VV007892.D
 Acq: 26 Sep 2018 19:29

Tgt Ion:112 Resp: 96872
 Ion Ratio Lower Upper
 112 100
 114 32.0 22.4 41.6
 77 56.3 45.0 67.6





#52

Ethylbenzene

Concen: 5.003 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV007892.D

Acq: 26 Sep 2018 19:29

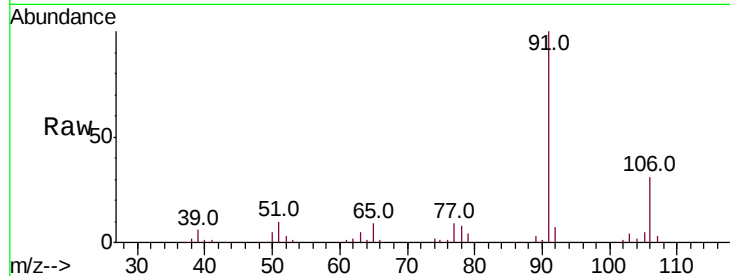
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 159424

Ion Ratio Lower Upper

91 100

106 31.0 21.7 40.3



Abundance Ion 91.15 (90.85 to 91.85): VV007892.D (-2465) (-)

Ion 106.15 (105.85 to 106.85): VV007892.D (-2465) (-)

120000

100000

80000

60000

40000

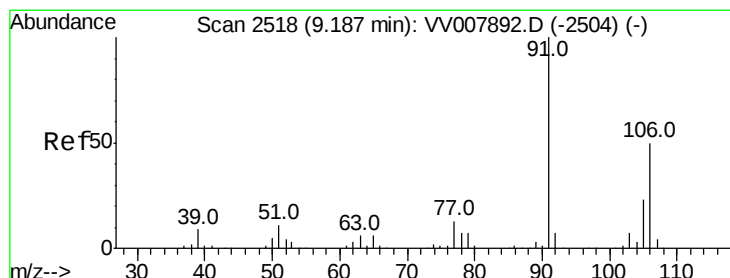
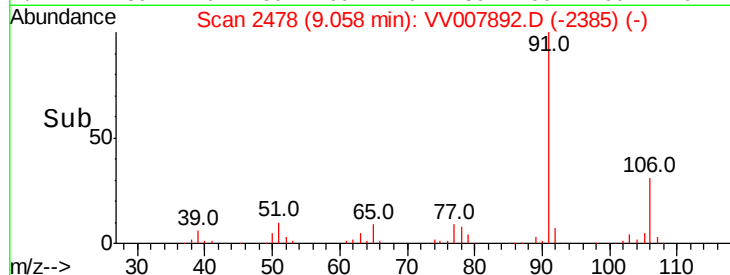
20000

0

9.00 9.05 9.10 9.15

9.06

Time-->



#53

m,p-xylene

Concen: 4.859 ug/L

RT: 9.19 min Scan# 2518

Delta R.T. 0.00 min

Lab File: VV007892.D

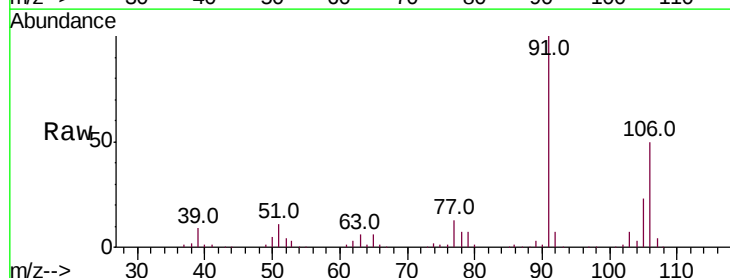
Acq: 26 Sep 2018 19:29

Tgt Ion:106 Resp: 60319

Ion Ratio Lower Upper

106 100

91 199.1 139.4 258.8



Abundance Ion 106.15 (105.85 to 106.85): VV007892.D (-2504) (-)

Ion 91.15 (90.85 to 91.85): VV007892.D (-2504) (-)

80000

60000

40000

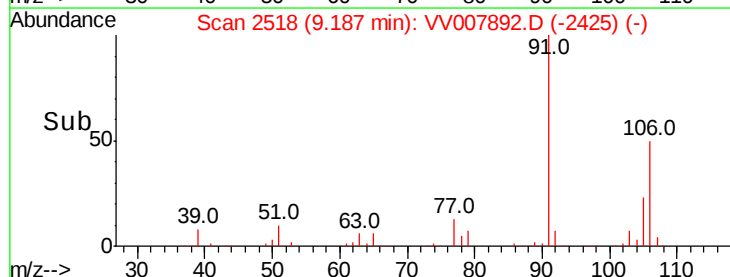
20000

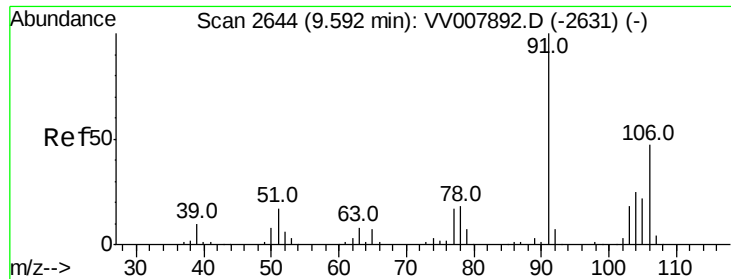
0

9.10 9.15 9.20 9.25

9.19

Time-->





#54

o-xylene

Concen: 4.782 ug/L

RT: 9.59 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VV007892.D

Acq: 26 Sep 2018 19:29

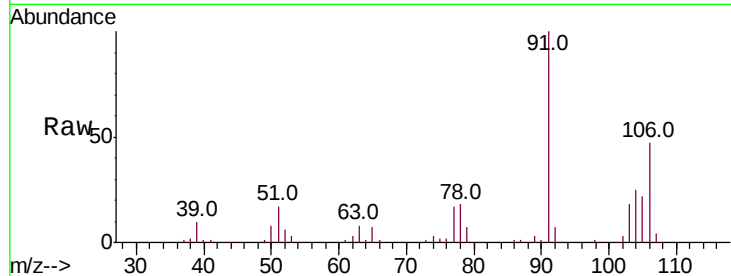
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 58287

Ion Ratio Lower Upper

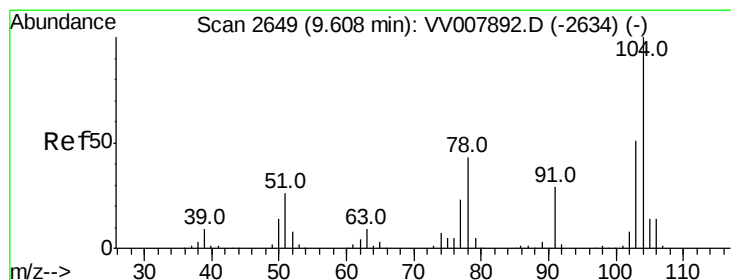
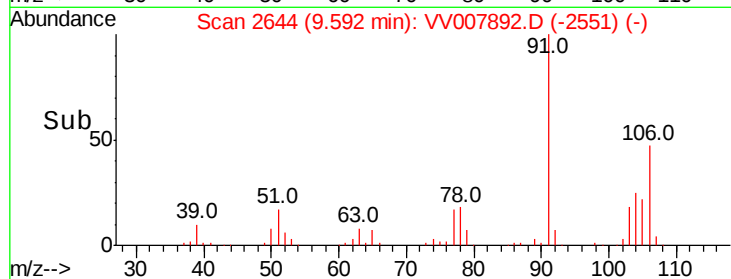
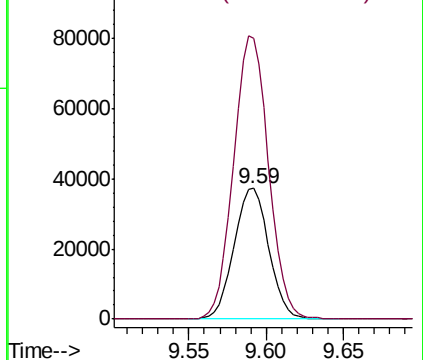
106 100

91 214.5 150.1 278.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.036 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. 0.00 min

Lab File: VV007892.D

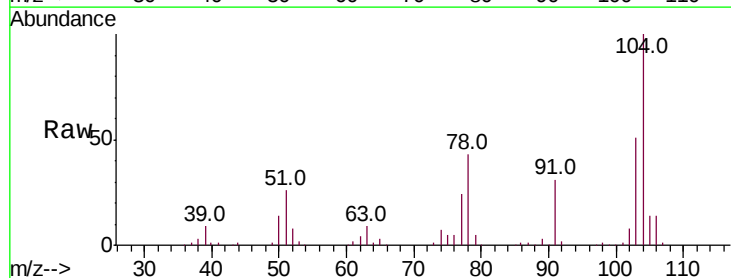
Acq: 26 Sep 2018 19:29

Tgt Ion:104 Resp: 101310

Ion Ratio Lower Upper

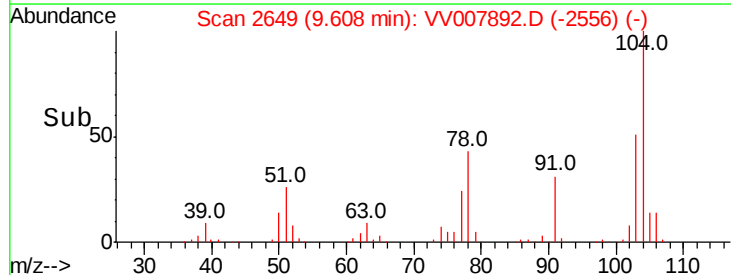
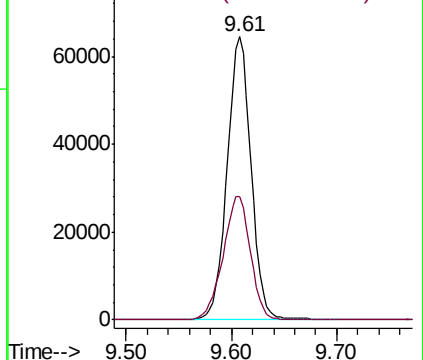
104 100

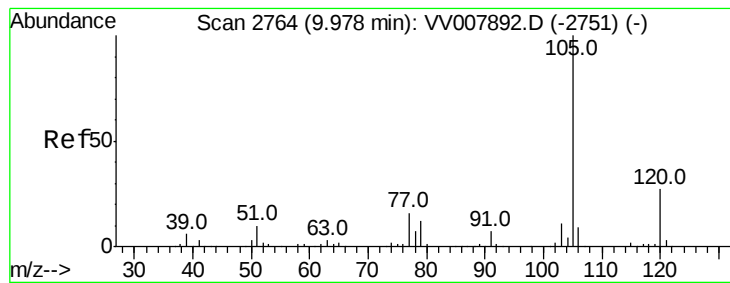
78 43.4 30.4 56.4



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 4.818 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV007892.D

Acq: 26 Sep 2018 19:29

Instrument :

MSVOA_V

ClientSampled :

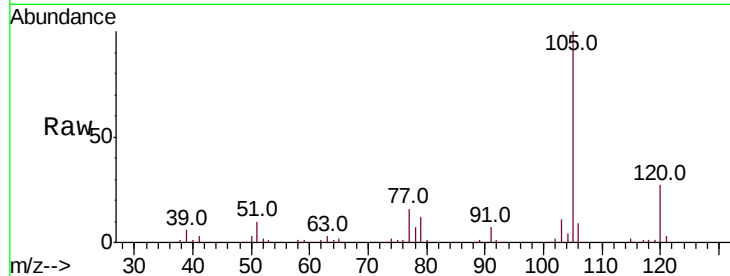
Tot Ion:105 Resp: 160464

Ion Ratio Lower Upper

105 100

120 26.7 21.4 32.0

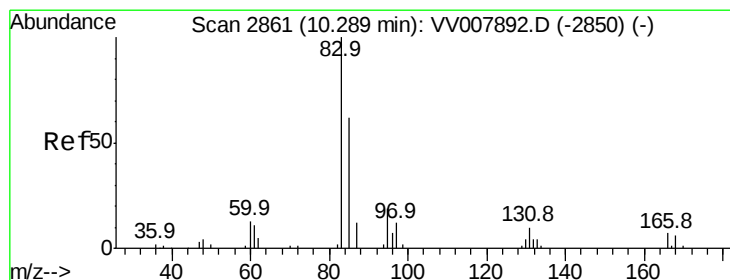
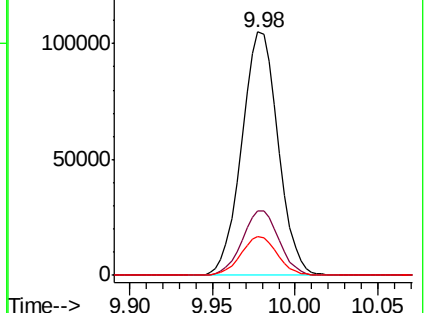
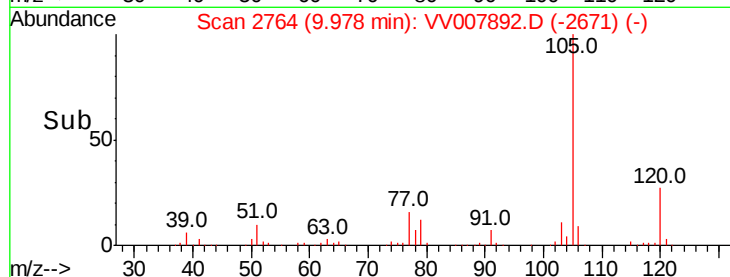
77 15.9 12.7 19.1



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: 5.207 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV007892.D

Acq: 26 Sep 2018 19:29

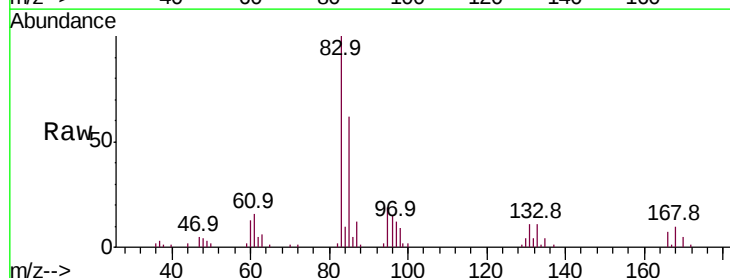
Tgt Ion: 83 Resp: 27652

Ion Ratio Lower Upper

83 100

85 62.4 43.7 81.1

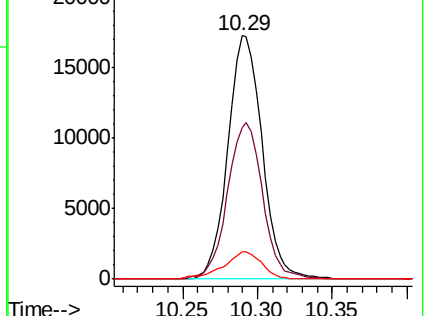
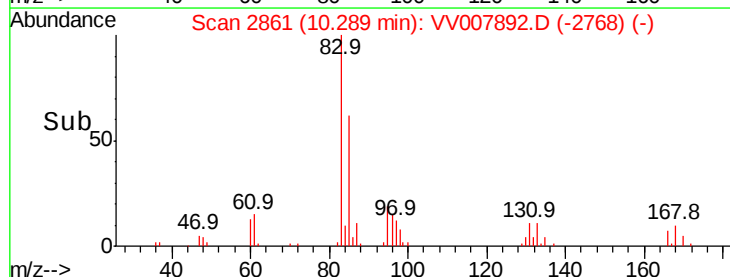
131 11.2 9.0 13.4

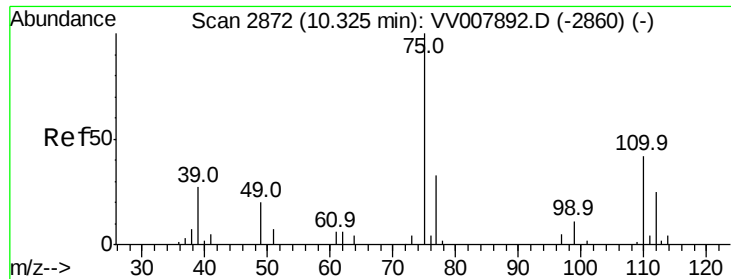


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

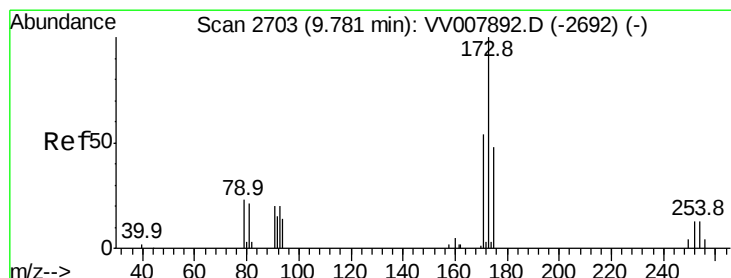
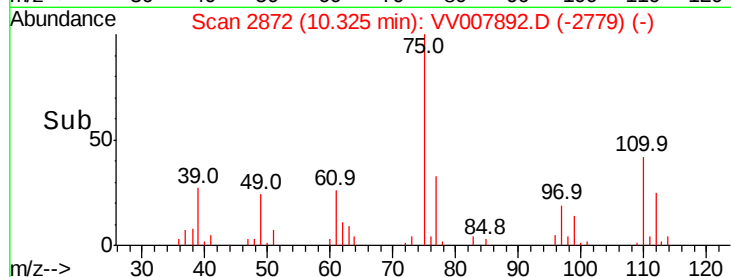
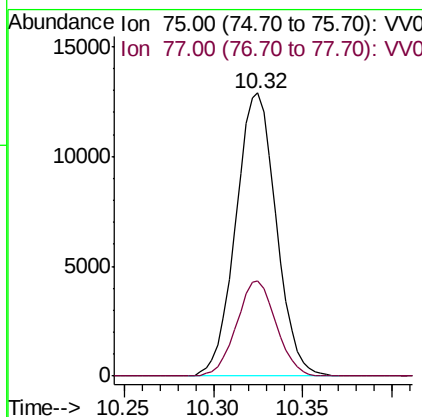
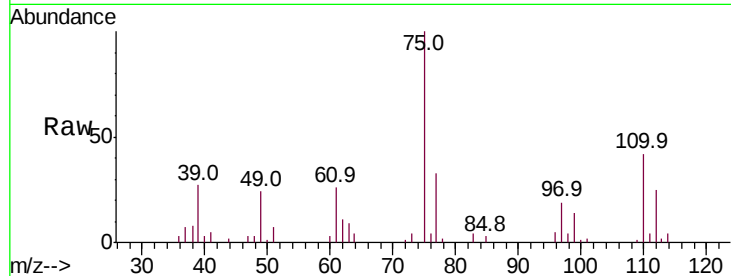




#59
 1,2,3-Trichloropropane
 Concen: 5.427 ug/L
 RT: 10.32 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VV007892.D
 Acq: 26 Sep 2018 19:29

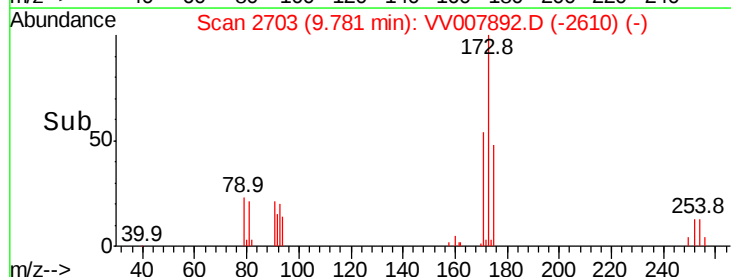
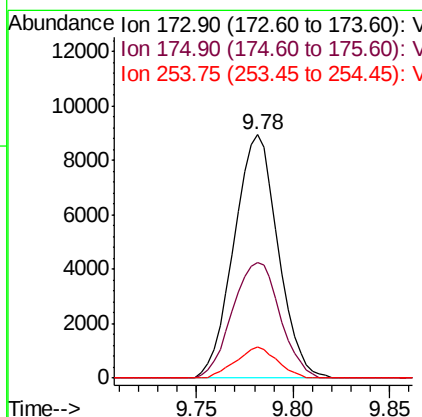
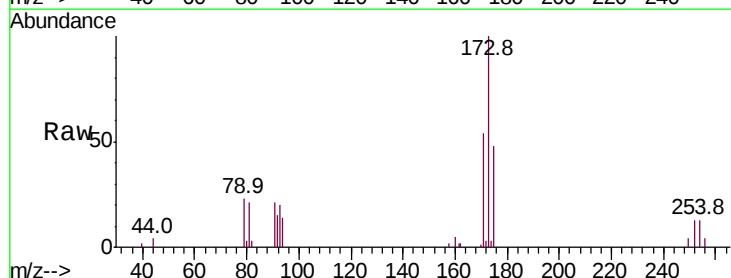
Instrument :
 MSVOA_V
 ClientSampleId :

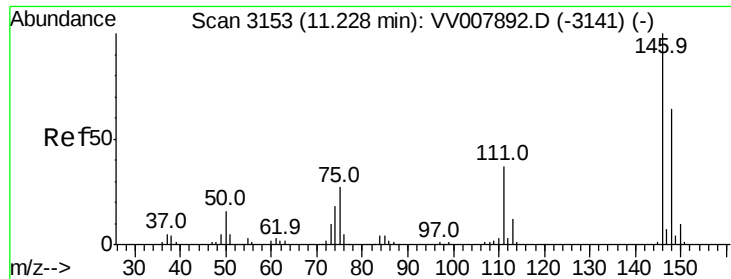
Tot Ion: 75 Resp: 20306
 Ion Ratio Lower Upper
 75 100
 77 33.0 26.4 39.6



#61
 Bromoform
 Concen: 4.420 ug/L
 RT: 9.78 min Scan# 2703
 Delta R.T. 0.00 min
 Lab File: VV007892.D
 Acq: 26 Sep 2018 19:29

Tgt Ion:173 Resp: 14168
 Ion Ratio Lower Upper
 173 100
 175 51.3 41.0 61.6
 254 12.0 9.6 14.4

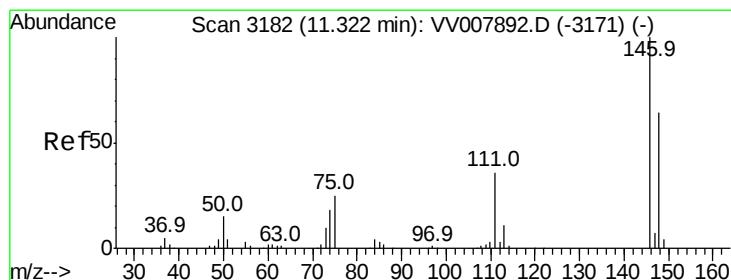
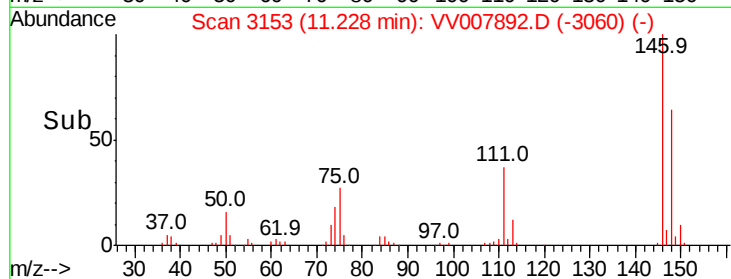
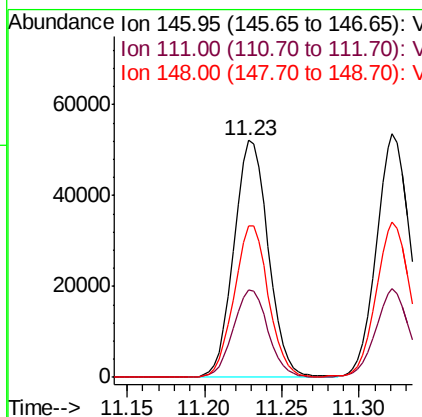
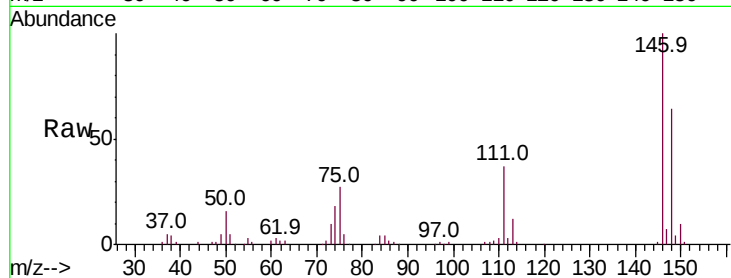




#62
 1,3-Dichlorobenzene
 Concen: 4.787 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV007892.D
 Acq: 26 Sep 2018 19:29

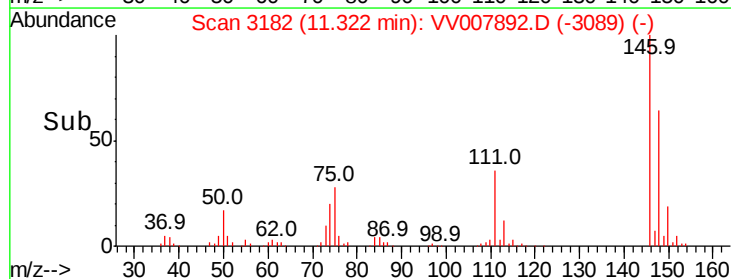
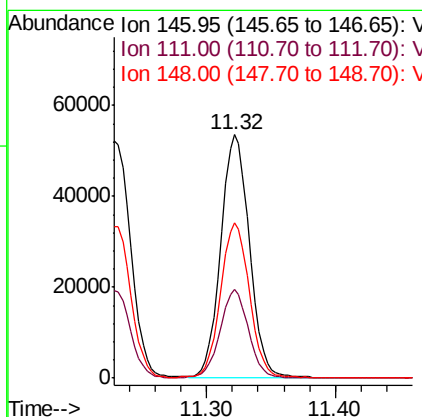
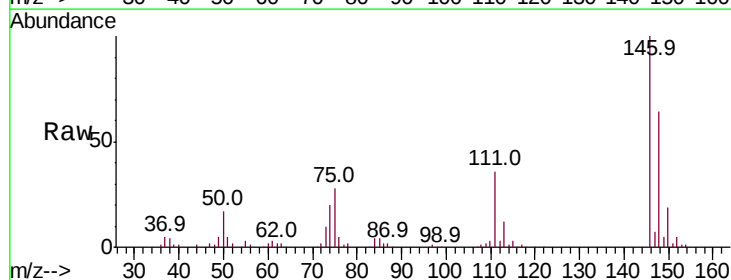
Instrument :
 MSVOA_V
 ClientSampleId :

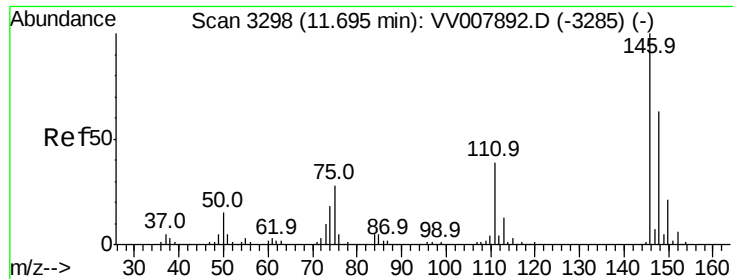
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.9	25.8	48.0
148	63.8	44.7	82.9



#63
 1,4-Dichlorobenzene
 Concen: 4.859 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VV007892.D
 Acq: 26 Sep 2018 19:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.2	25.3	47.1
148	63.8	44.7	82.9

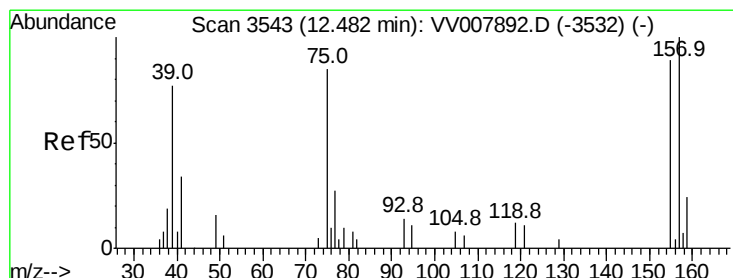
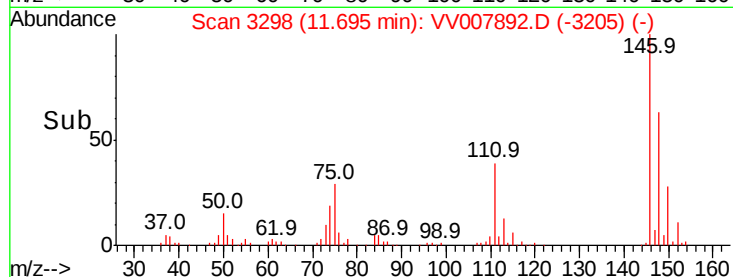
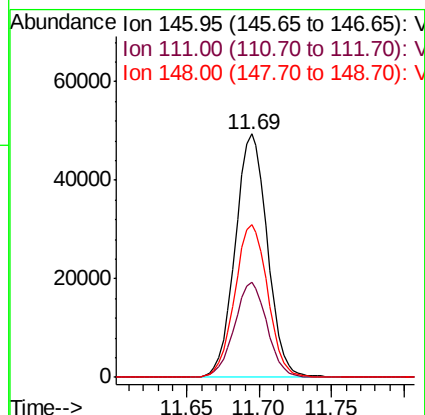
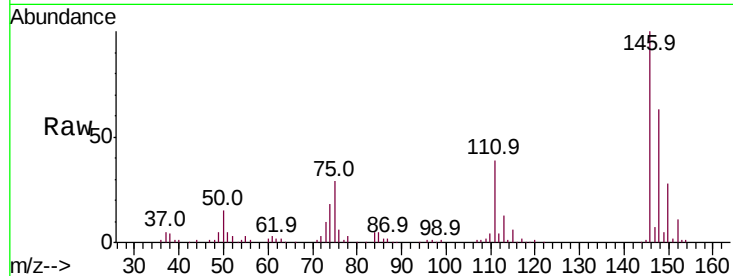




#65
 1,2-Dichlorobenzene
 Concen: 4.784 ug/L
 RT: 11.69 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VV007892.D
 Acq: 26 Sep 2018 19:29

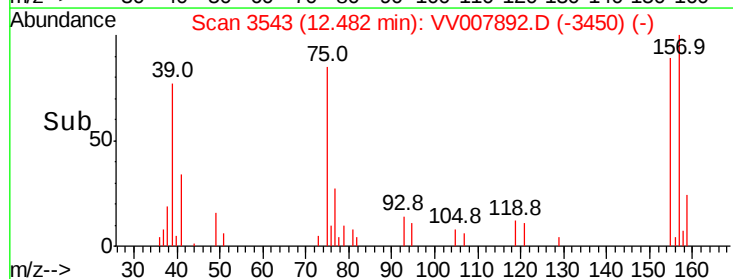
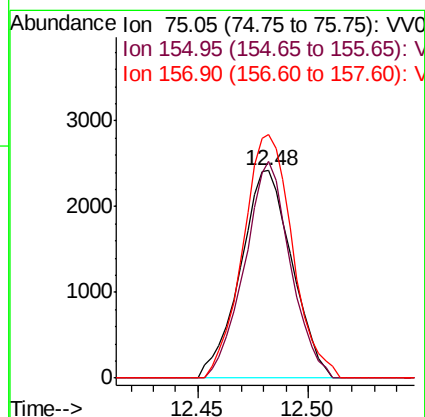
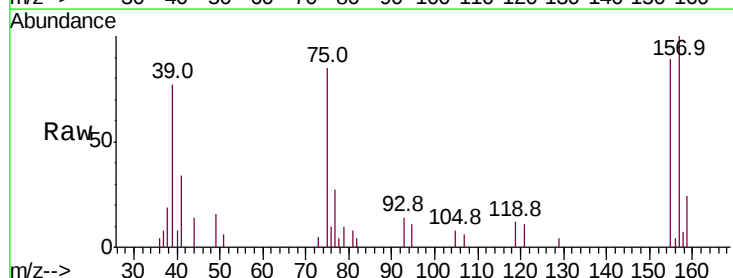
Instrument :
 MSVOA_V
 ClientSampleId :

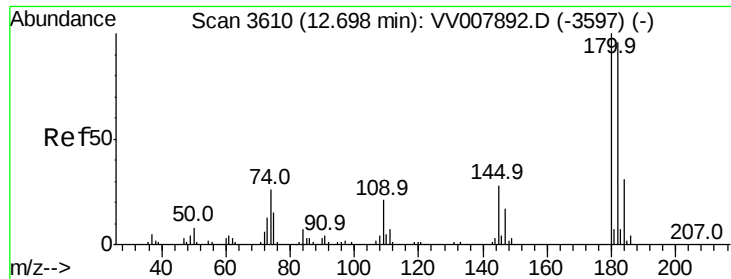
Tot Ion:146 Resp: 76044
 Ion Ratio Lower Upper
 146 100
 111 39.0 31.2 46.8
 148 62.9 50.3 75.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.347 ug/L
 RT: 12.48 min Scan# 3543
 Delta R.T. 0.00 min
 Lab File: VV007892.D
 Acq: 26 Sep 2018 19:29

Tgt Ion: 75 Resp: 3927
 Ion Ratio Lower Upper
 75 100
 155 104.3 83.4 125.2
 157 117.4 93.9 140.9

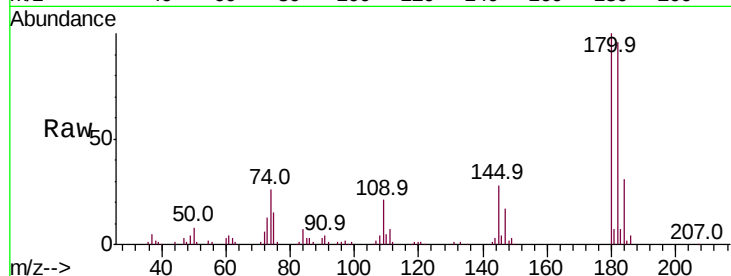




#67
 1,3,5-Trichlorobenzene
 Concen: 4.733 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV007892.D
 Acq: 26 Sep 2018 19:29

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.2	114.4
184	30.6	24.5	36.7
145	27.8	22.2	33.4



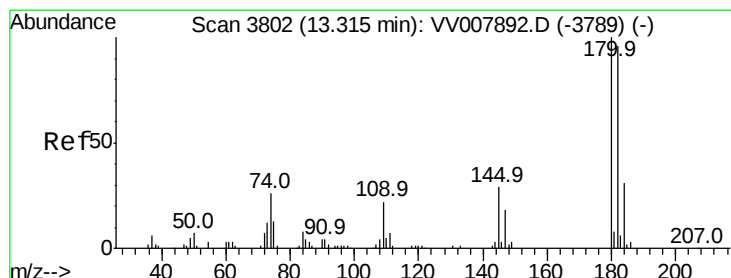
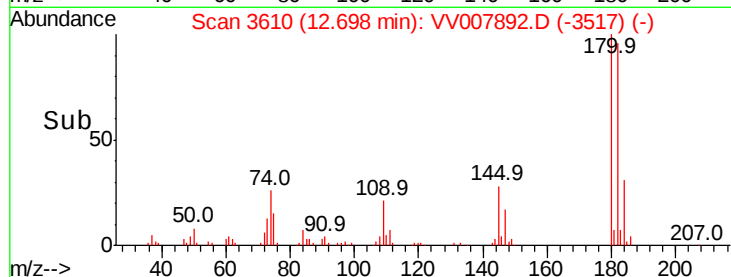
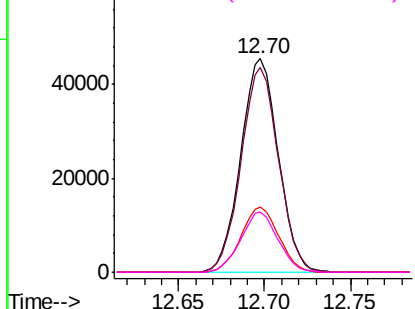
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

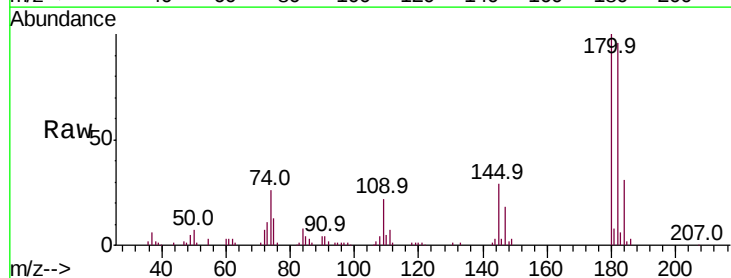
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.776 ug/L
 RT: 13.32 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV007892.D
 Acq: 26 Sep 2018 19:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.8	77.4	116.2
145	28.2	22.6	33.8

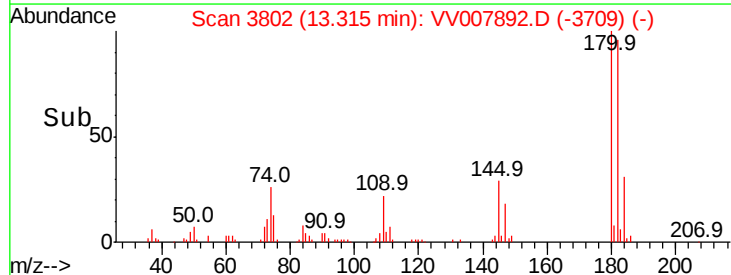
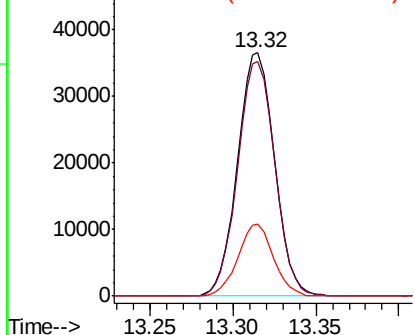


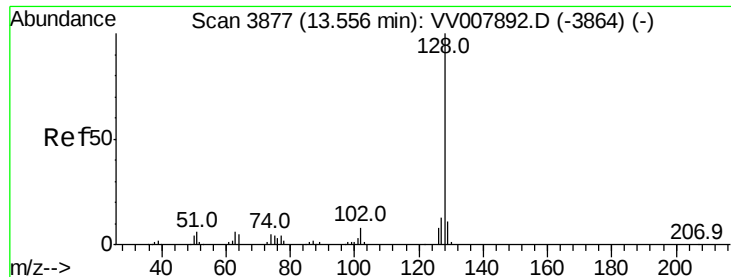
Abundance

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: 4.611 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.00 min

Lab File: VV007892.D

Acq: 26 Sep 2018 19:29

Instrument :

MSVOA_V

ClientSampleId :

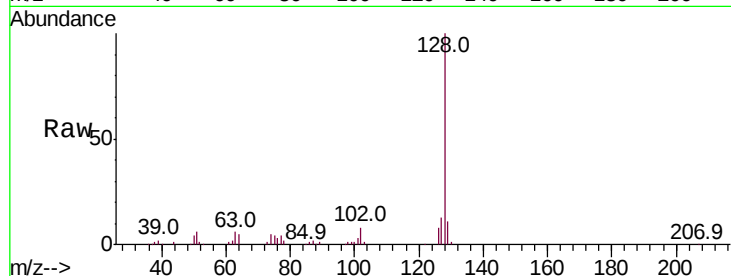
Tot Ion:128 Resp: 81292

Ion Ratio Lower Upper

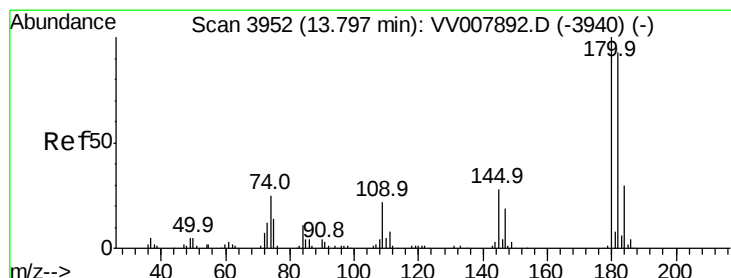
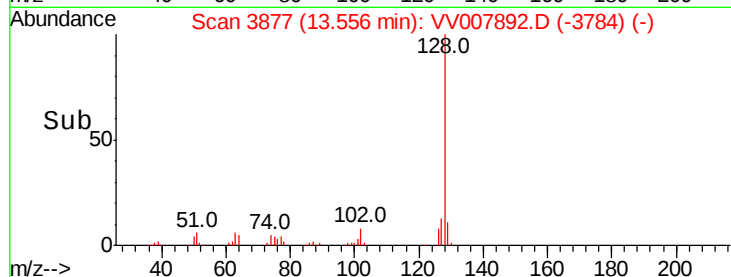
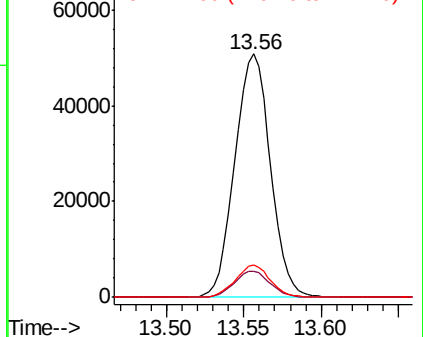
128 100

129 10.8 8.6 13.0

127 12.9 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: 4.829 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. 0.00 min

Lab File: VV007892.D

Acq: 26 Sep 2018 19:29

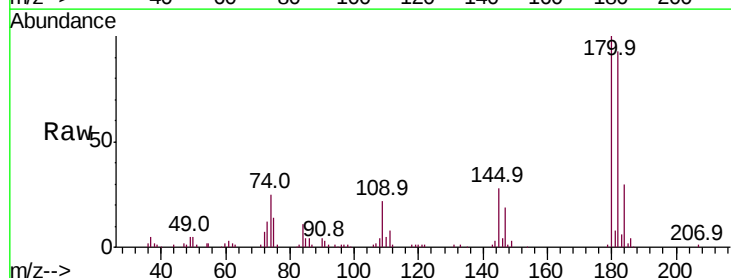
Tgt Ion:180 Resp: 53293

Ion Ratio Lower Upper

180 100

182 94.6 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

