

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV082818\
 Data File : VV007224.D
 Acq On : 28 Aug 2018 12:47
 Operator : SY/MD
 Sample : VSTD00578
 Misc : 25.0 mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00578

Quant Time: Aug 29 00:41:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082818WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Aug 29 00:40:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	245035	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	242490	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	114527	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	84750	4.99	ug/L	0.00
7) Chloroethane-d5	1.58	69	69374	5.05	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	149819	4.87	ug/L	0.00
20) 2-Butanone-d5	3.97	46	226673	56.58	ug/L	0.00
24) Chloroform-d	4.41	84	171568	5.01	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	85568	5.16	ug/L	0.00
32) Benzene-d6	5.10	84	343876	5.09	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	109165	4.96	ug/L	0.00
41) Toluene-d8	7.36	98	312724	5.23	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	39091	5.10	ug/L	0.00
46) 2-Hexanone-d5	8.15	63	103213	46.07	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	87130	5.33	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	107609	4.97	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	95625	4.607 ug/L	100
3) Chloromethane	1.25	50	103496	4.558 ug/L	100
5) Vinyl chloride	1.32	62	98705	4.660 ug/L	100
6) Bromomethane	1.54	94	34351	4.876 ug/L	100
8) Chloroethane	1.60	64	60922	4.673 ug/L	100
9) Trichlorofluoromethane	1.77	101	138107	4.818 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	87744	4.885 ug/L	100
12) 1,1-Dichloroethene	2.14	96	77896	4.652 ug/L	100
13) Acetone	2.21	43	115526	48.807 ug/L	100
14) Carbon disulfide	2.32	76	223355	4.647 ug/L	100
15) Methyl Acetate	2.47	43	30593	5.035 ug/L	100
16) Methylene chloride	2.54	84	87891	4.454 ug/L	100
17) Methyl tert-butyl Ether	2.82	73	200284	4.944 ug/L	100
18) trans-1,2-Dichloroethene	2.79	96	86063	4.726 ug/L	100
19) 1,1-Dichloroethane	3.23	63	177537	5.158 ug/L	100
21) 2-Butanone	4.05	43	249746	52.779 ug/L	100
22) cis-1,2-Dichloroethene	3.97	96	96766	4.794 ug/L	100
23) Bromochloromethane	4.30	128	45353	4.904 ug/L	100
25) Chloroform	4.43	83	177097	4.826 ug/L	100
27) 1,2-Dichloroethane	5.19	62	105739	5.066 ug/L	100
29) 1,1,1-Trichloroethane	4.66	97	149941	4.789 ug/L	100
30) Cyclohexane	4.73	56	125896	4.529 ug/L	100
31) Carbon tetrachloride	4.88	117	126910	4.845 ug/L	100
33) Benzene	5.15	78	387047	4.870 ug/L	100
34) Trichloroethene	5.96	95	93543	4.876 ug/L	100
35) Methylcyclohexane	6.18	83	136192	4.768 ug/L	100
37) 1,2-Dichloropropane	6.23	63	103200	4.818 ug/L	100
38) Bromodichloromethane	6.56	83	120260	4.823 ug/L	100
39) cis-1,3-Dichloropropene	7.08	75	124544	4.887 ug/L	100
40) 4-Methyl-2-pentanone	7.29	43	558893	52.790 ug/L	100

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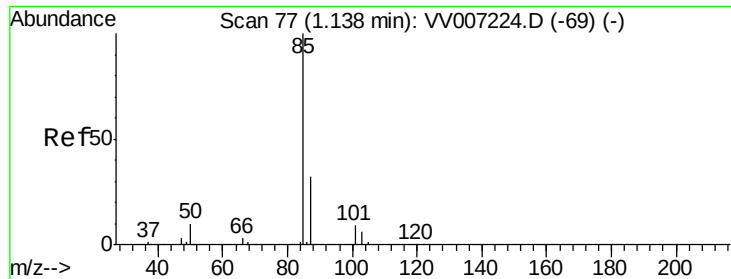
Instrument :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.44	91	390677	5.128	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	104191	4.918	ug/L	100
45) 1,1,2-Trichloroethane	7.89	97	73951	5.087	ug/L	100
47) Tetrachloroethene	8.02	164	80030	4.989	ug/L	100
48) 2-Hexanone	8.20	43	430452	54.310	ug/L	100
49) Dibromochloromethane	8.30	129	81009	5.068	ug/L	100
50) 1,2-Dibromoethane	8.40	107	63611	5.207	ug/L	100
51) Chlorobenzene	8.93	112	252381	4.992	ug/L	100
52) Ethylbenzene	9.06	91	372527	4.950	ug/L	100
53) m,p-xylene	9.19	106	142350	5.012	ug/L	100
54) o-xylene	9.59	106	133031	4.910	ug/L	100
55) Styrene	9.61	104	242458	5.210	ug/L	100
56) Isopropylbenzene	9.98	105	361177	5.084	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	86859	5.074	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	62608	5.050	ug/L	100
61) Bromoform	9.78	173	45143	4.949	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	178297	4.875	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	187946	4.870	ug/L	100
65) 1,2-Dichlorobenzene	11.70	146	179994	4.910	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	9978	4.758	ug/L	100
67) 1,3,5-Trichlorobenzene	12.70	180	131646	4.823	ug/L	100
68) 1,2,4-trichlorobenzene	13.32	180	89905	4.909	ug/L	100
69) Naphthalene	13.56	128	102169	4.279	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	87284	4.907	ug/L	100

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

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#2

Dichlorodifluoromethane

Concen: 4.607 ug/L

RT: 1.14 min Scan# 77

Delta R.T. 0.00 min

Lab File: VV007224.D

Acq: 28 Aug 2018 12:47

Instrument :

MSVOA_V

ClientSampleId :

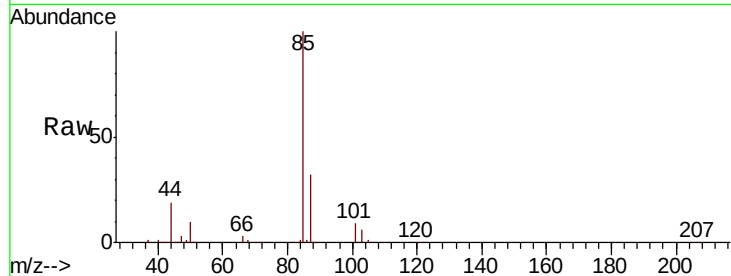
VSTD00578

Tgt Ion: 85 Resp: 95625

Ion Ratio Lower Upper

85 100

87 32.1 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV007224.D (-69) (-)

Ion 87.00 (86.70 to 87.70): VV007224.D (-69) (-)

1.14

100000

80000

60000

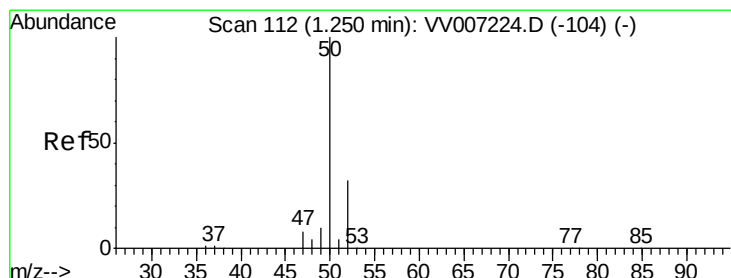
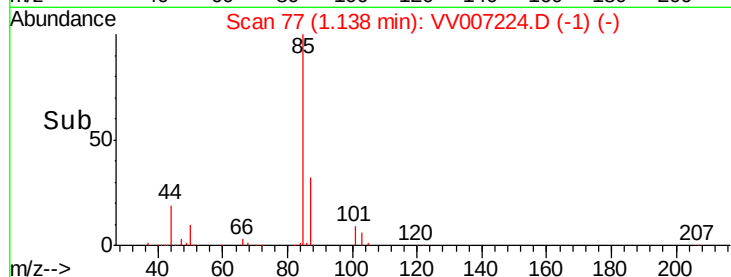
40000

20000

0

1.10 1.15 1.20 1.25

Time-->



#3

Chloromethane

Concen: 4.558 ug/L

RT: 1.25 min Scan# 112

Delta R.T. 0.00 min

Lab File: VV007224.D

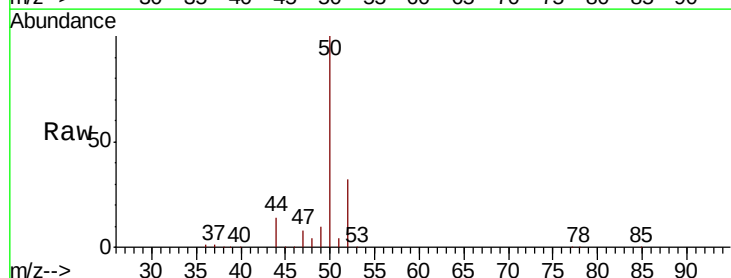
Acq: 28 Aug 2018 12:47

Tgt Ion: 50 Resp: 103496

Ion Ratio Lower Upper

50 100

52 32.2 22.5 41.9



Abundance Ion 50.05 (49.75 to 50.75): VV007224.D (-104) (-)

Ion 52.05 (51.75 to 52.75): VV007224.D (-104) (-)

1.25

100000

80000

60000

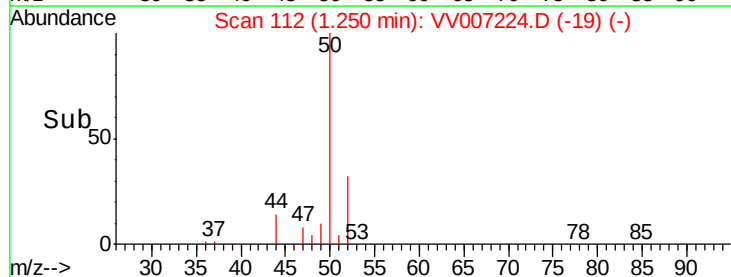
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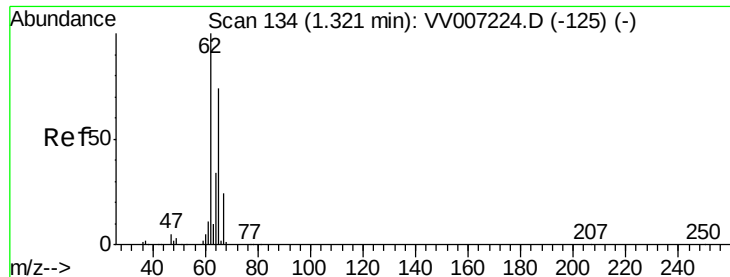
20000

0

1.20 1.25 1.30

Time-->





#5

Vinyl chloride

Concen: 4.660 ug/L

RT: 1.32 min Scan# 134

Delta R.T. 0.00 min

Lab File: VV007224.D

Acq: 28 Aug 2018 12:47

Instrument :

MSVOA_V

ClientSampleId :

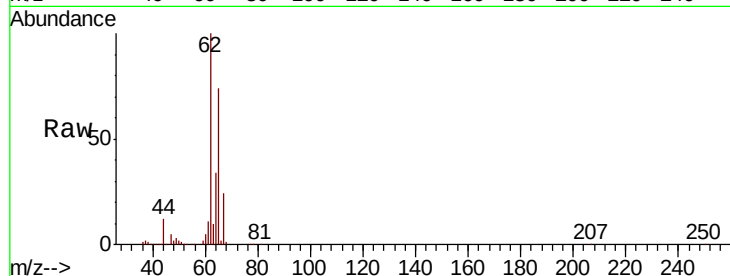
VSTD00578

Tgt Ion: 62 Resp: 98705

Ion Ratio Lower Upper

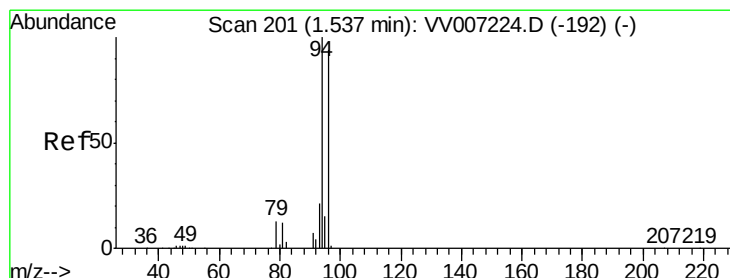
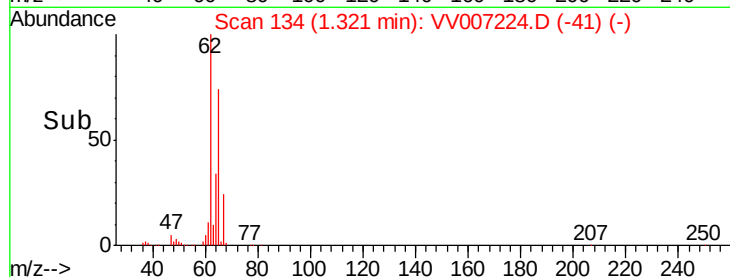
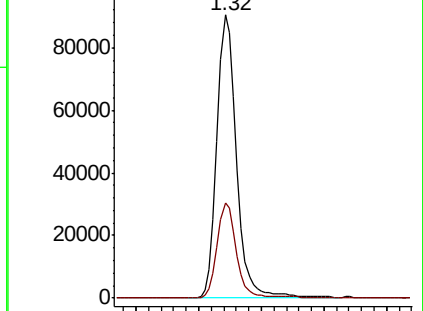
62 100

64 33.7 23.6 43.8



Abundance Ion 62.00 (61.70 to 62.70): VV007224.D (-125) (-)

Ion 64.10 (63.80 to 64.80): VV007224.D (-125) (-)



#6

Bromomethane

Concen: 4.876 ug/L

RT: 1.54 min Scan# 201

Delta R.T. 0.00 min

Lab File: VV007224.D

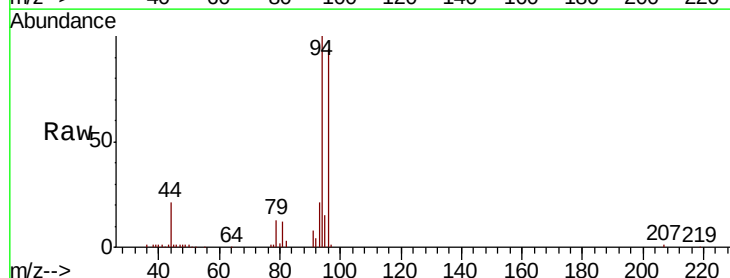
Acq: 28 Aug 2018 12:47

Tgt Ion: 94 Resp: 34351

Ion Ratio Lower Upper

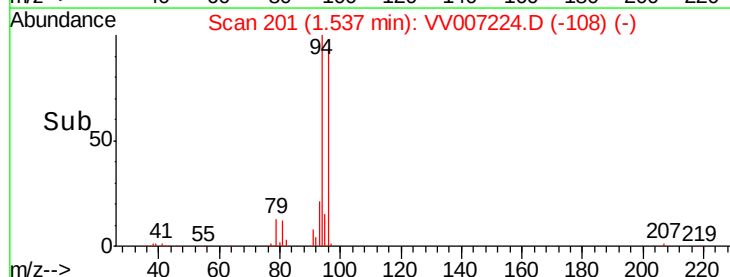
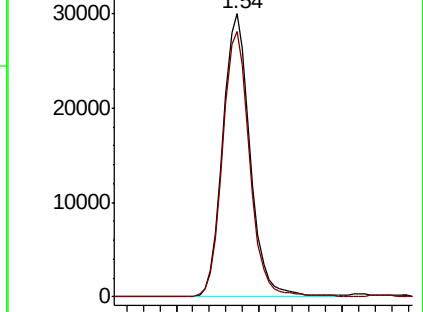
94 100

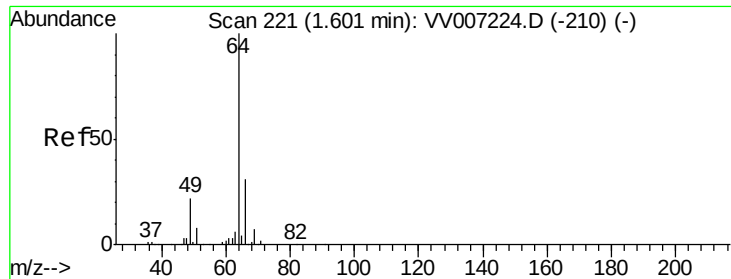
96 94.0 65.8 122.2



Abundance Ion 94.00 (93.70 to 94.70): VV007224.D (-192) (-)

Ion 96.00 (95.70 to 96.70): VV007224.D (-192) (-)





#8

Chloroethane

Concen: 4.673 ug/L

RT: 1.60 min Scan# 221

Delta R.T. 0.00 min

Lab File: VV007224.D

Acq: 28 Aug 2018 12:47

Instrument :

MSVOA_V

ClientSampleId :

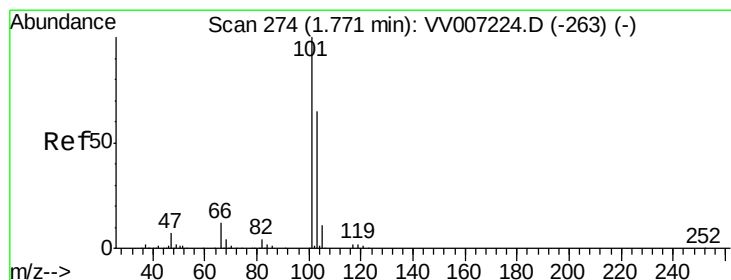
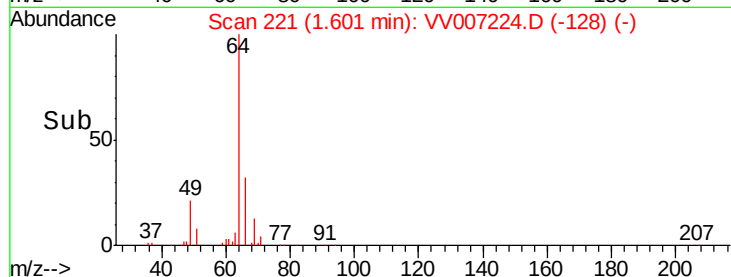
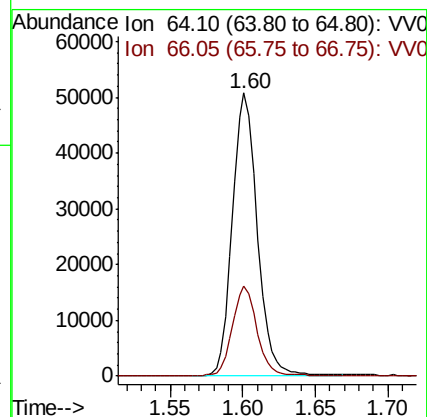
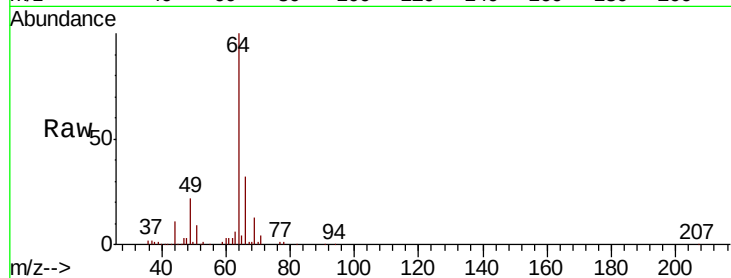
VSTD00578

Tgt Ion: 64 Resp: 60922

Ion Ratio Lower Upper

64 100

66 31.7 22.2 41.2



#9

Trichlorofluoromethane

Concen: 4.818 ug/L

RT: 1.77 min Scan# 274

Delta R.T. 0.00 min

Lab File: VV007224.D

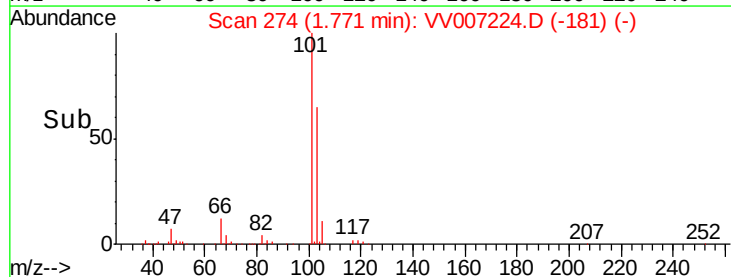
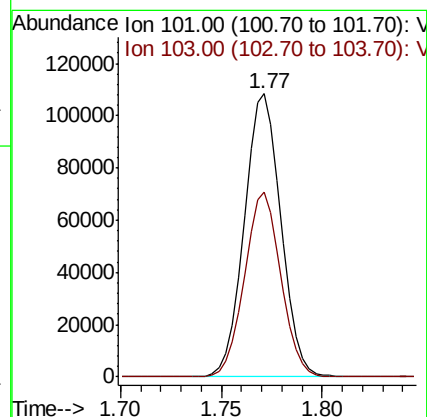
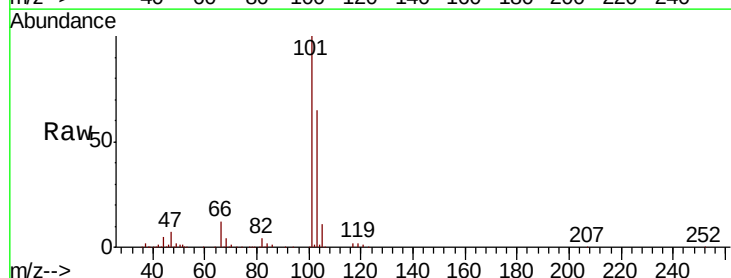
Acq: 28 Aug 2018 12:47

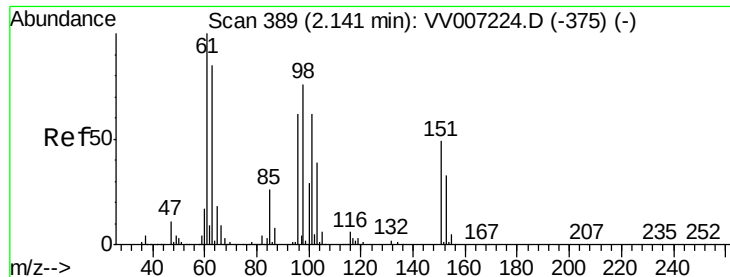
Tgt Ion: 101 Resp: 138107

Ion Ratio Lower Upper

101 100

103 64.9 51.9 77.9





#10

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

Concen: 4.885 ug/L

RT: 2.14 min Scan# 389

Delta R.T. 0.00 min

Lab File: VV007224.D

Acq: 28 Aug 2018 12:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD00578

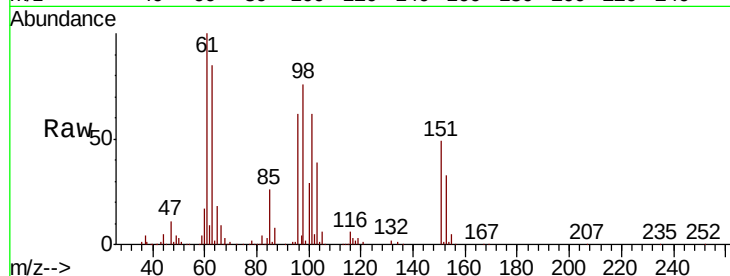
Tgt Ion: 101 Resp: 87744

Ion Ratio Lower Upper

101 100

85 41.5 33.2 49.8

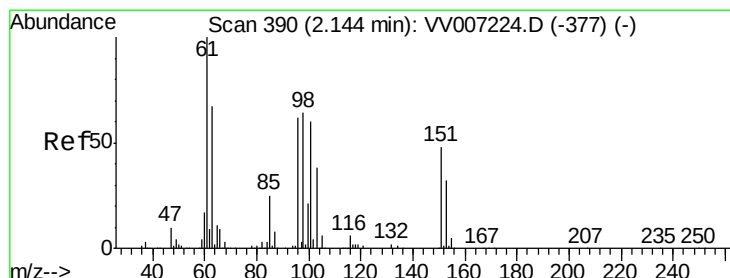
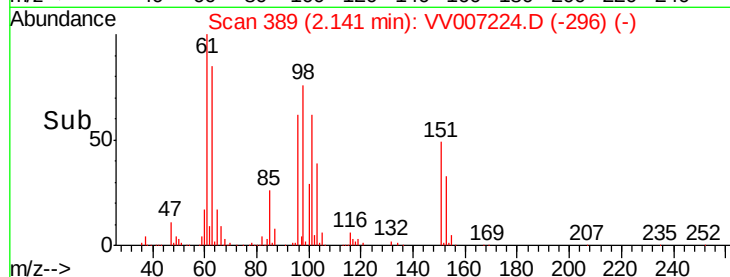
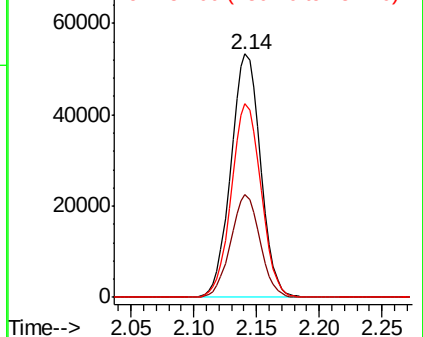
151 79.8 63.8 95.8



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: 4.652 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV007224.D

Acq: 28 Aug 2018 12:47

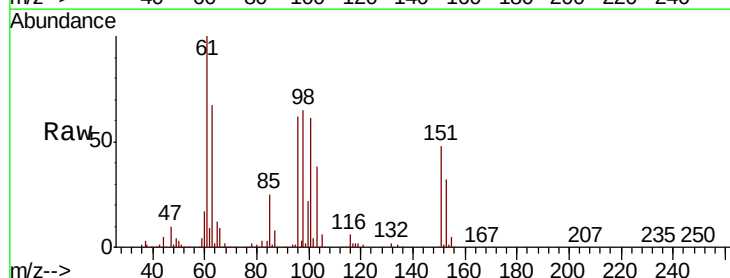
Tgt Ion: 96 Resp: 77896

Ion Ratio Lower Upper

96 100

61 160.4 112.3 208.5

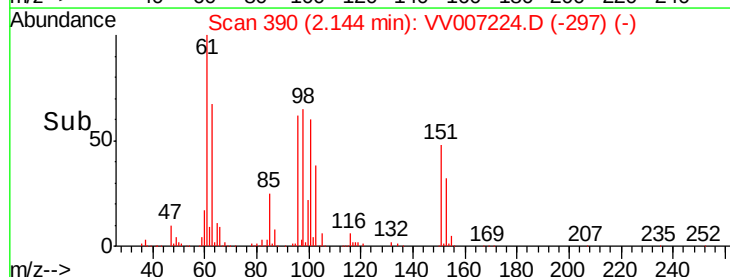
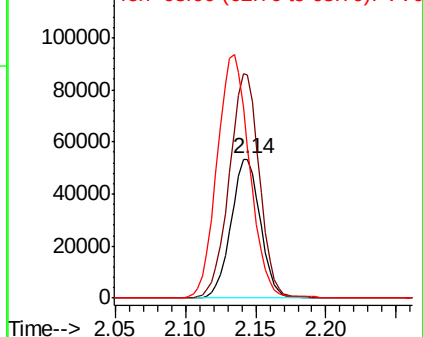
63 107.7 75.4 140.0

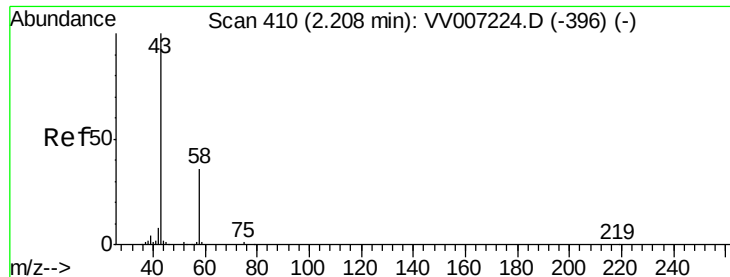


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 48.807 ug/L

RT: 2.21 min Scan# 410

Delta R.T. 0.00 min

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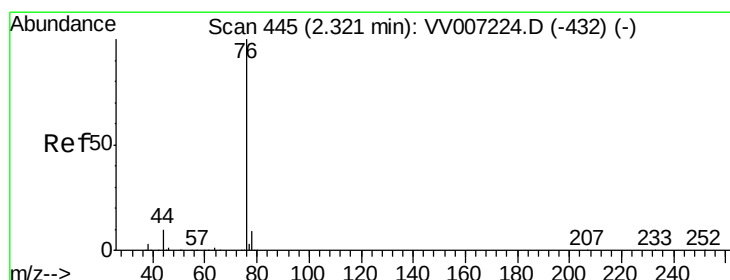
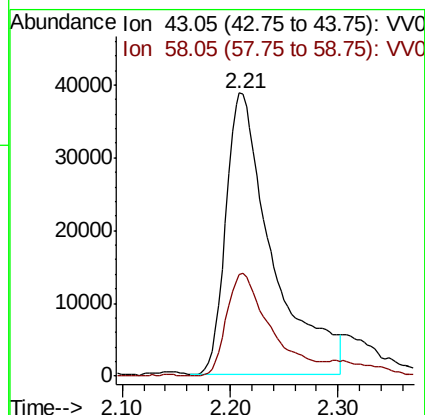
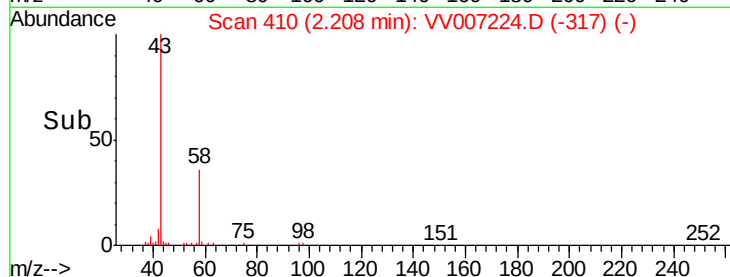
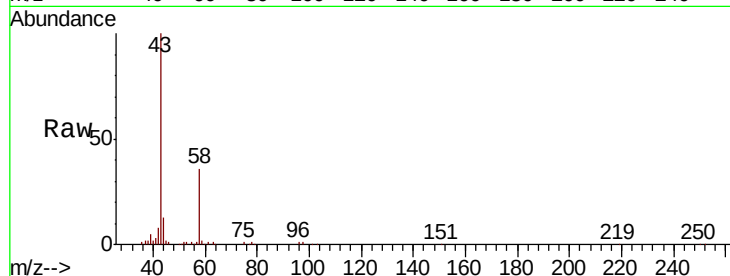
VSTD00578

Tgt Ion: 43 Resp: 115526

Ion Ratio Lower Upper

43 100

58 35.1 0.0 70.2



#14

Carbon disulfide

Concen: 4.647 ug/L

RT: 2.32 min Scan# 445

Delta R.T. 0.00 min

Lab File: VV007224.D

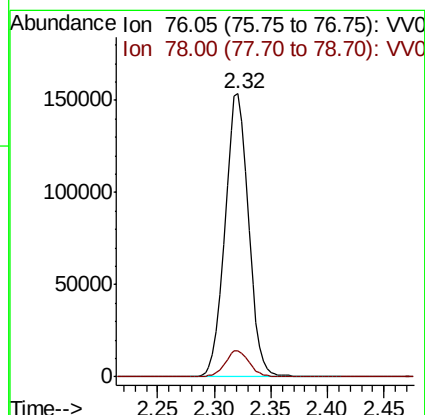
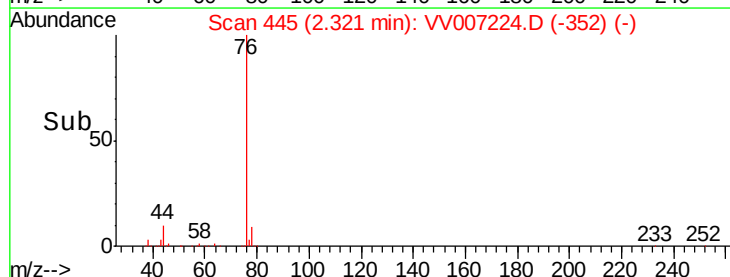
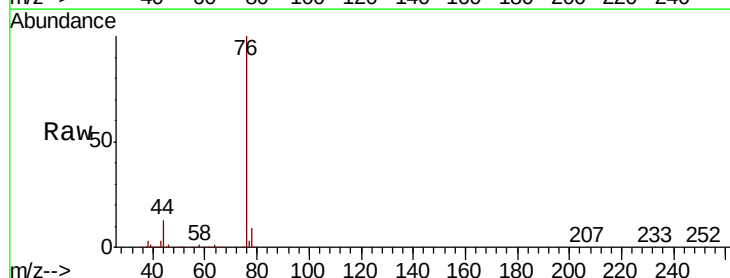
Acq: 28 Aug 2018 12:47

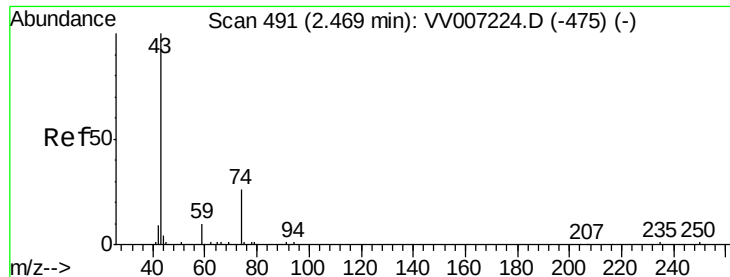
Tgt Ion: 76 Resp: 223355

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8

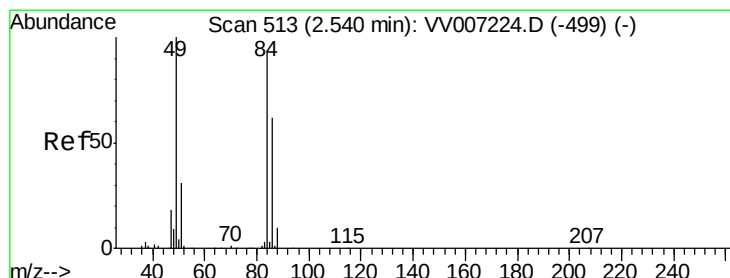
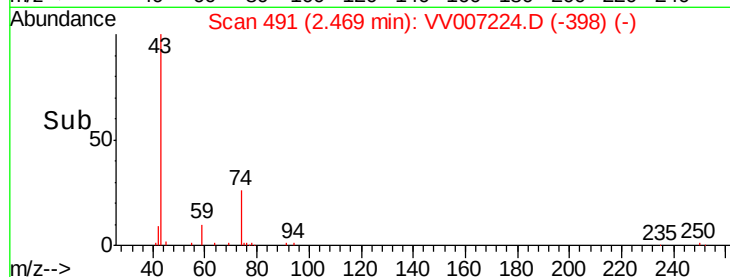
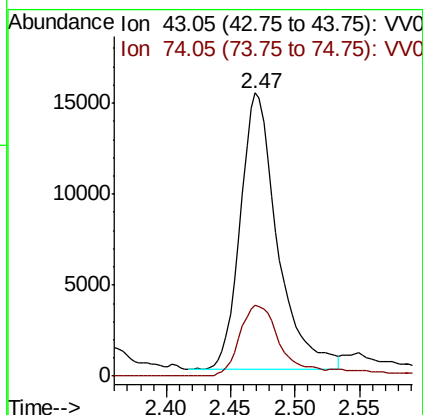
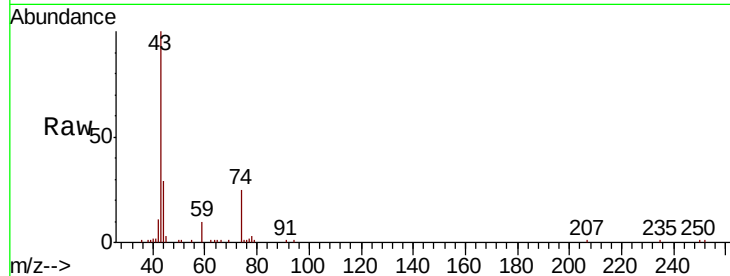




#15
Methyl Acetate
Concen: 5.035 ug/L
RT: 2.47 min Scan# 491
Delta R.T. 0.00 min
Lab File: VV007224.D
Acq: 28 Aug 2018 12:47

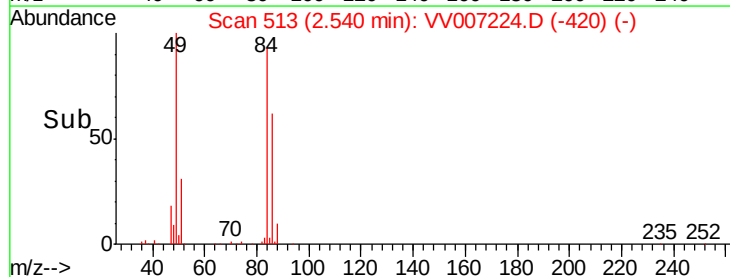
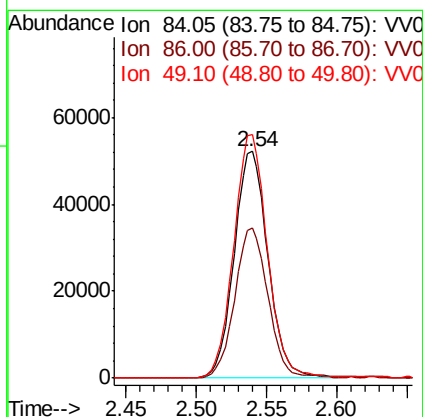
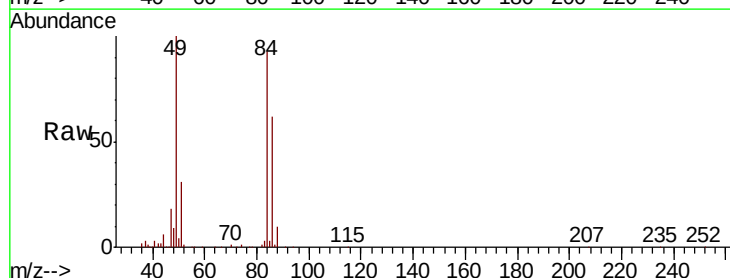
Instrument :
MSVOA_V
ClientSampleId :
VSTD00578

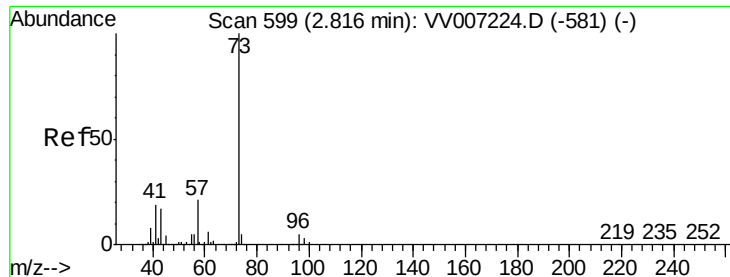
Tgt Ion: 43 Resp: 30593
Ion Ratio Lower Upper
43 100
74 27.7 22.2 33.2



#16
Methylene chloride
Concen: 4.454 ug/L
RT: 2.54 min Scan# 513
Delta R.T. 0.00 min
Lab File: VV007224.D
Acq: 28 Aug 2018 12:47

Tgt Ion: 84 Resp: 87891
Ion Ratio Lower Upper
84 100
86 66.1 46.3 85.9
49 107.4 75.2 139.6

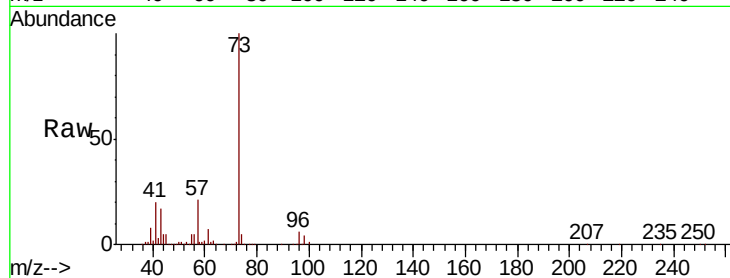




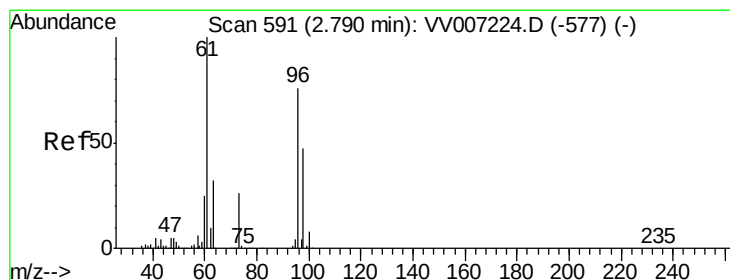
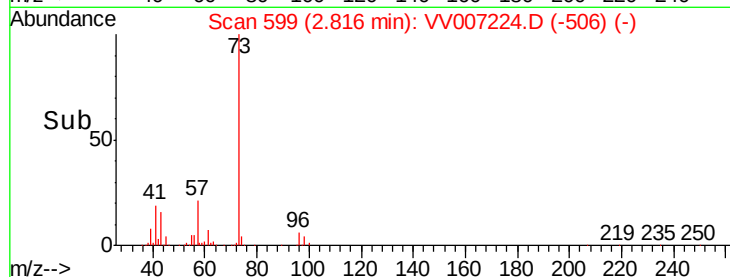
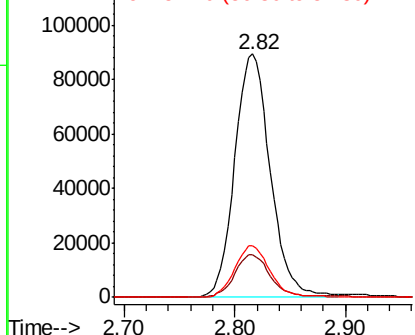
#17
Methyl tert-butyl Ether
Concen: 4.944 ug/L
RT: 2.82 min Scan# 599
Delta R.T. 0.00 min
Lab File: VV007224.D
Acq: 28 Aug 2018 12:47

Instrument :
MSVOA_V
ClientSampleId :
VSTD00578

Tgt Ion: 73 Resp: 200284
Ion Ratio Lower Upper
73 100
43 17.2 13.8 20.6
57 21.1 16.9 25.3

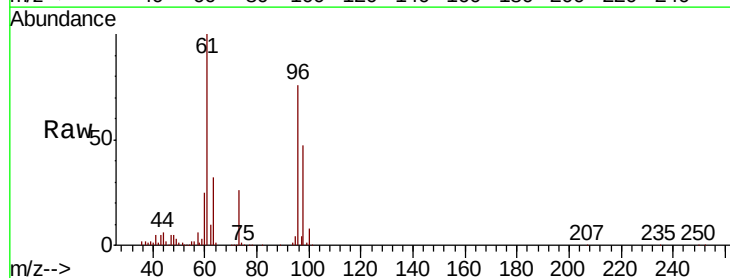


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

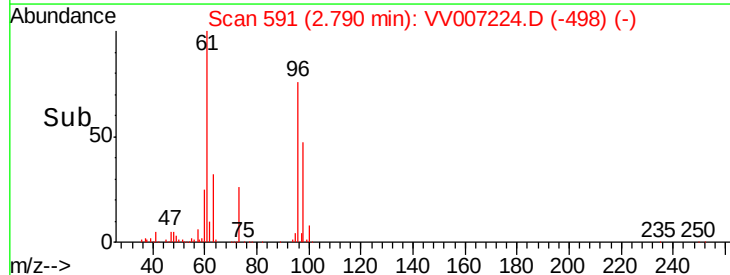
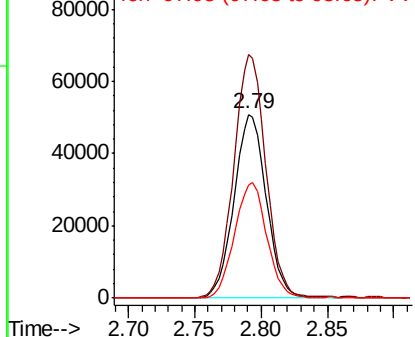


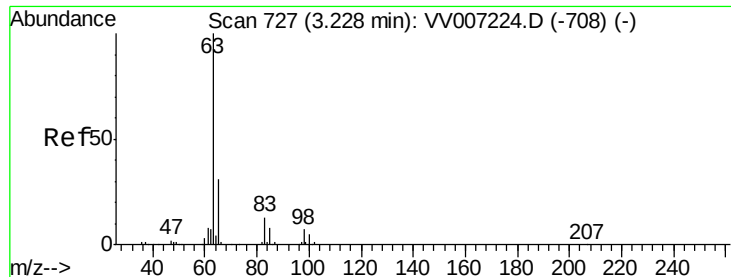
#18
trans-1,2-Dichloroethene
Concen: 4.726 ug/L
RT: 2.79 min Scan# 591
Delta R.T. 0.00 min
Lab File: VV007224.D
Acq: 28 Aug 2018 12:47

Tgt Ion: 96 Resp: 86063
Ion Ratio Lower Upper
96 100
61 132.4 92.7 172.1
98 61.7 43.2 80.2



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

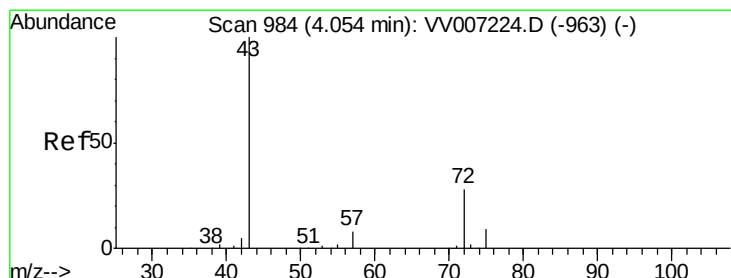
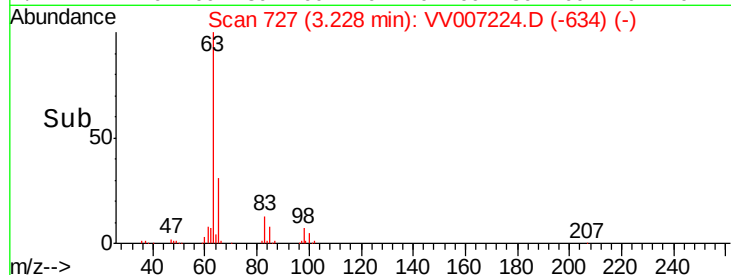
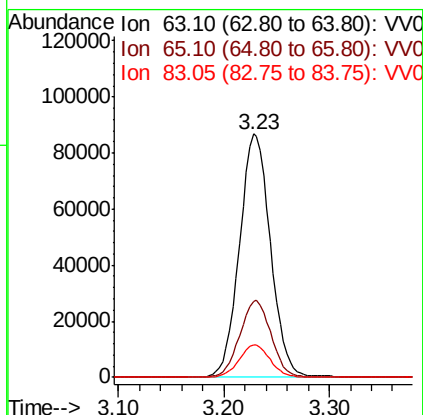
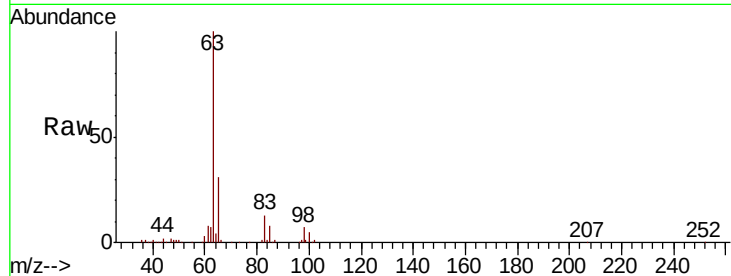




#19
 1,1-Dichloroethane
 Concen: 5.158 ug/L
 RT: 3.23 min Scan# 727
 Delta R.T. 0.00 min
 Lab File: VV007224.D
 Acq: 28 Aug 2018 12:47

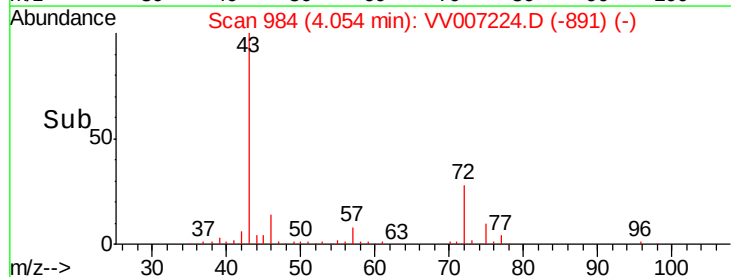
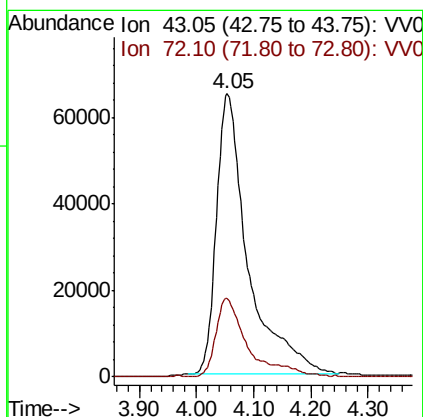
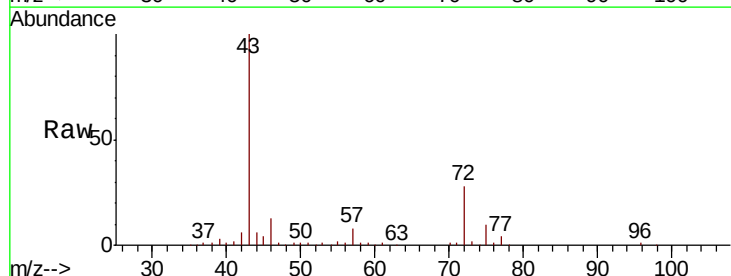
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00578

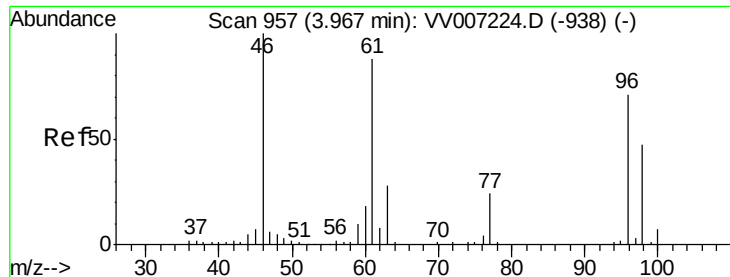
Tgt Ion: 63 Resp: 177537
 Ion Ratio Lower Upper
 63 100
 65 31.1 21.8 40.4
 83 13.4 9.4 17.4



#21
 2-Butanone
 Concen: 52.779 ug/L
 RT: 4.05 min Scan# 984
 Delta R.T. 0.00 min
 Lab File: VV007224.D
 Acq: 28 Aug 2018 12:47

Tgt Ion: 43 Resp: 249746
 Ion Ratio Lower Upper
 43 100
 72 24.7 12.4 37.0



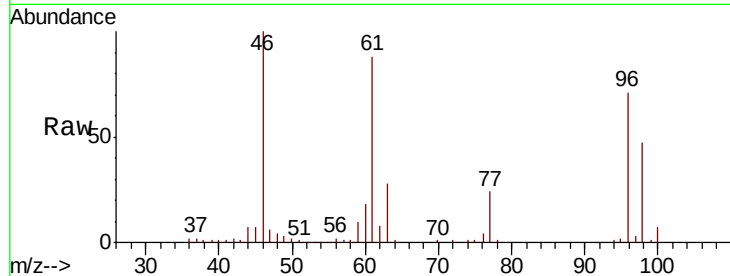


#22

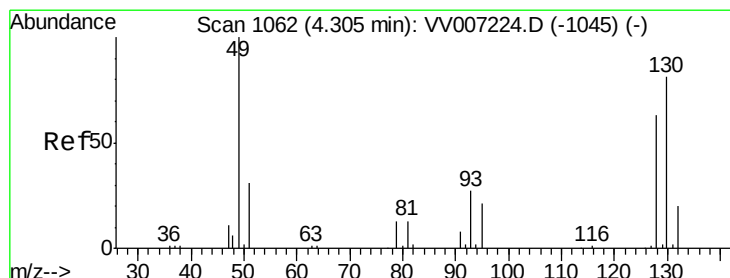
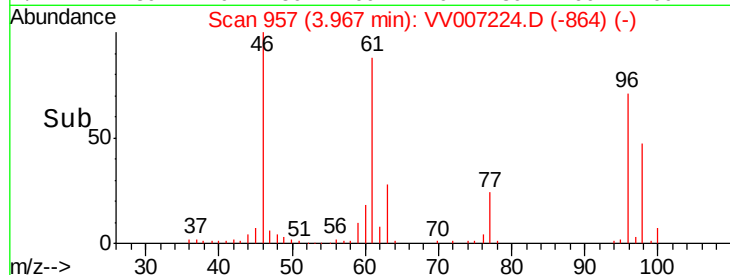
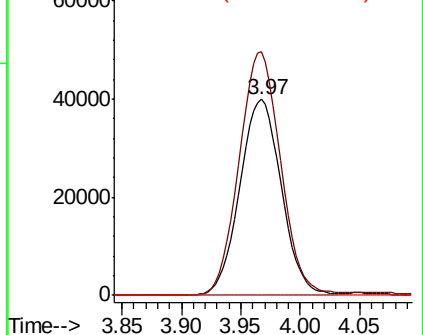
cis-1,2-Dichloroethene
Concen: 4.794 ug/L
RT: 3.97 min Scan# 957
Delta R.T. 0.00 min
Lab File: VV007224.D
Acq: 28 Aug 2018 12:47

Instrument :
MSVOA_V
ClientSampleId :
VSTD00578

Tgt Ion: 96 Resp: 96766
Ion Ratio Lower Upper
96 100
61 124.4 87.1 161.7
68 0.0 0.0 0.0



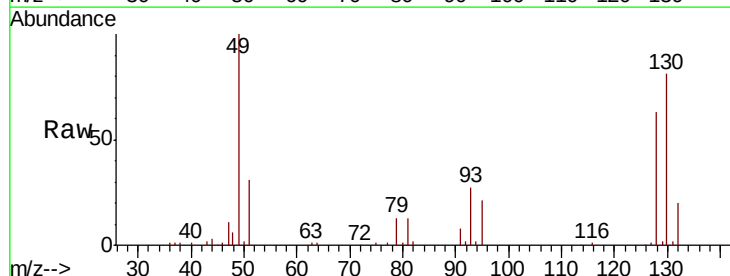
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



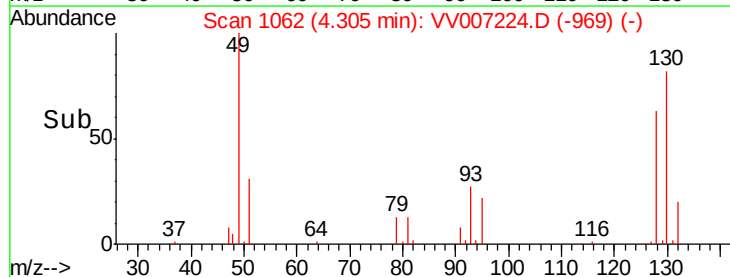
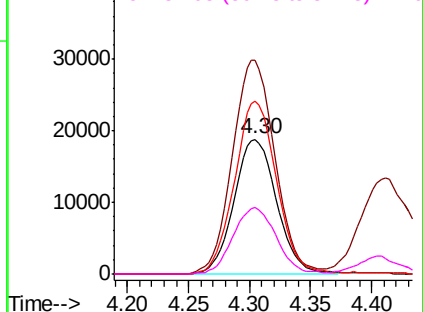
#23

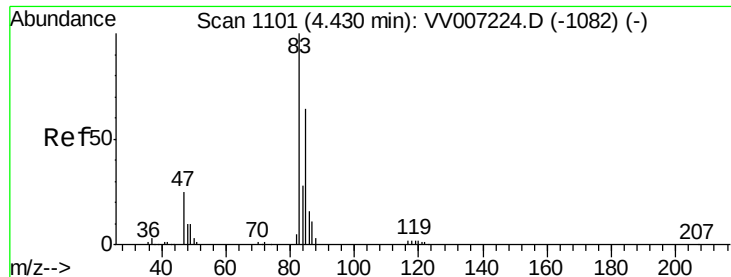
Bromochloromethane
Concen: 4.904 ug/L
RT: 4.30 min Scan# 1062
Delta R.T. 0.00 min
Lab File: VV007224.D
Acq: 28 Aug 2018 12:47

Tgt Ion: 128 Resp: 45353
Ion Ratio Lower Upper
128 100
49 158.7 111.1 206.3
130 128.6 90.0 167.2
51 49.5 39.6 59.4



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

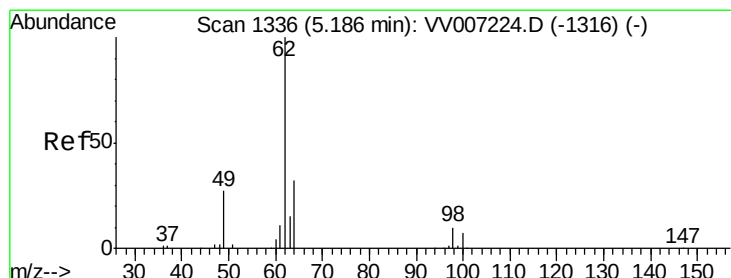
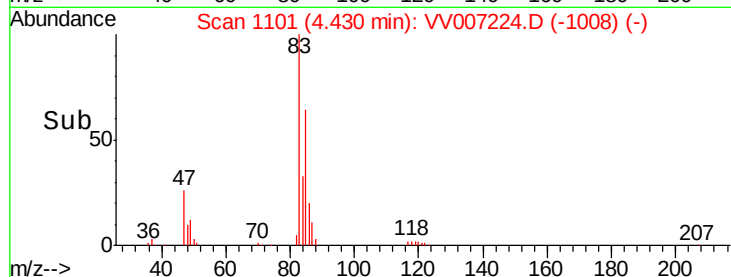
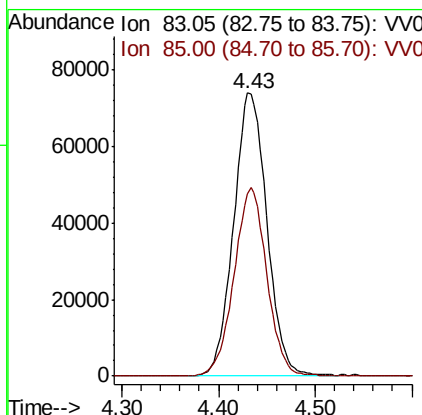
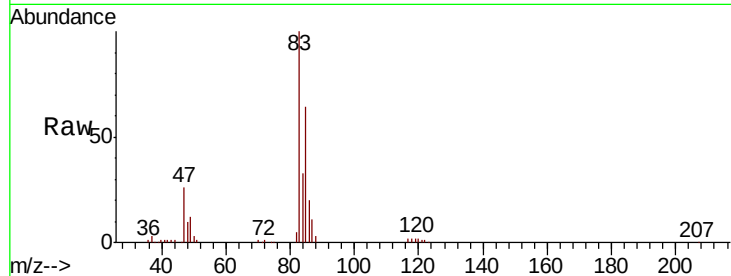




#25
Chloroform
Concen: 4.826 ug/L
RT: 4.43 min Scan# 1101
Delta R.T. 0.00 min
Lab File: VV007224.D
Acq: 28 Aug 2018 12:47

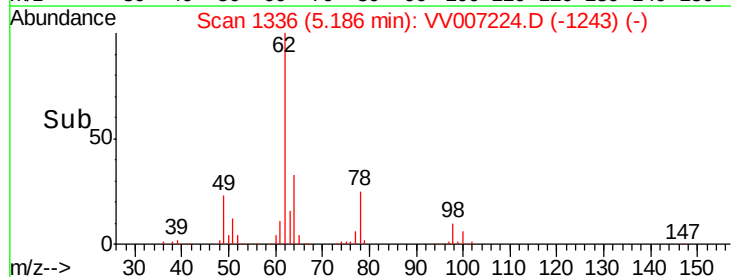
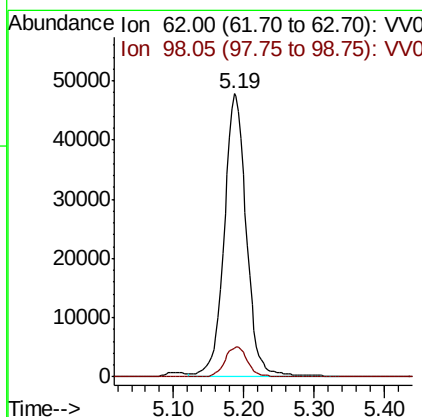
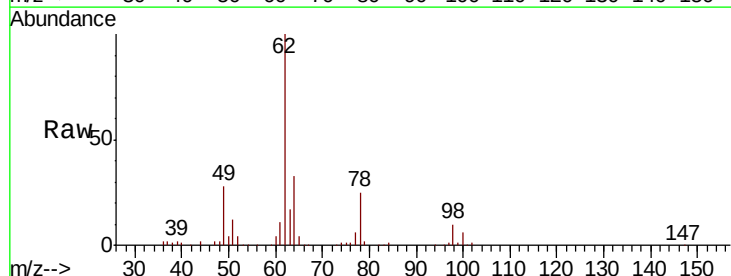
Instrument :
MSVOA_V
ClientSampleId :
VSTD00578

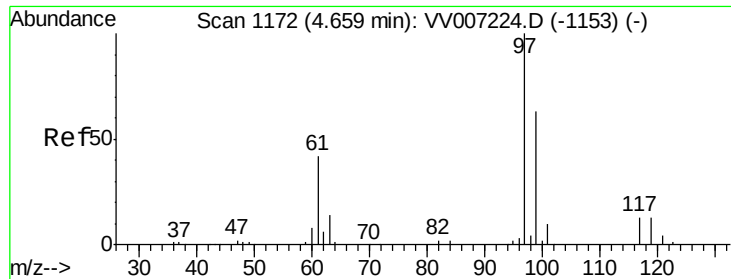
Tgt Ion: 83 Resp: 177097
Ion Ratio Lower Upper
83 100
85 64.3 45.0 83.6



#27
1,2-Dichloroethane
Concen: 5.066 ug/L
RT: 5.19 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VV007224.D
Acq: 28 Aug 2018 12:47

Tgt Ion: 62 Resp: 105739
Ion Ratio Lower Upper
62 100
98 10.1 8.1 12.1

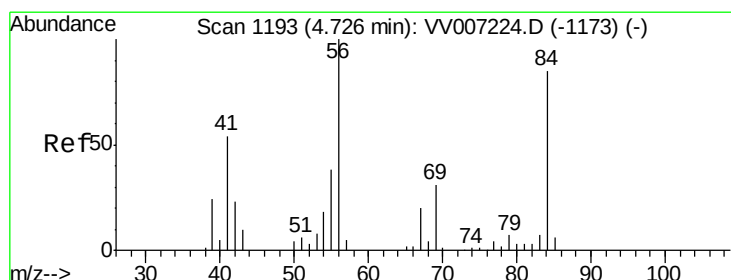
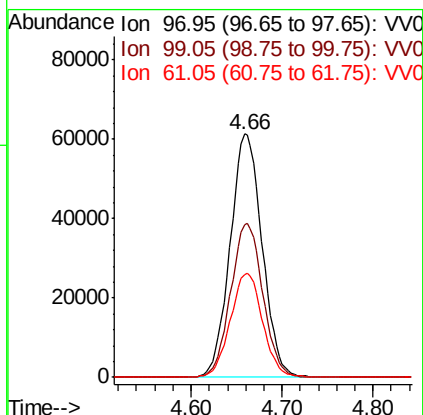
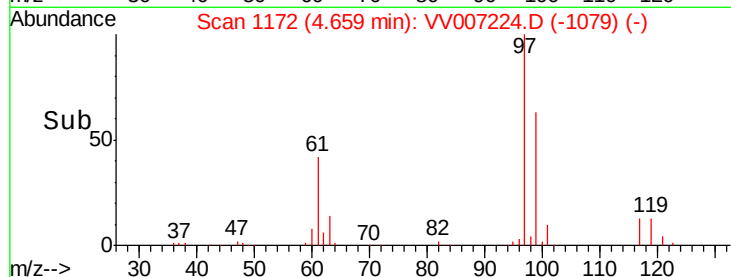
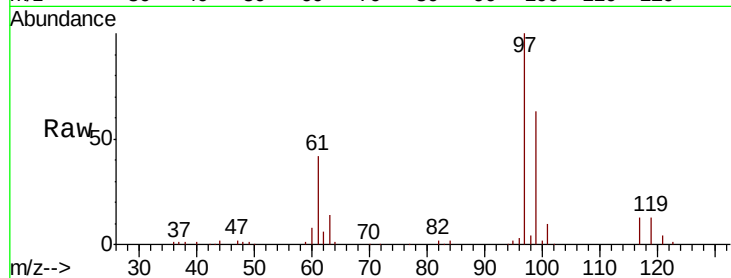




#29
 1,1,1-Trichloroethane
 Concen: 4.789 ug/L
 RT: 4.66 min Scan# 1172
 Delta R.T. 0.00 min
 Lab File: VV007224.D
 Acq: 28 Aug 2018 12:47

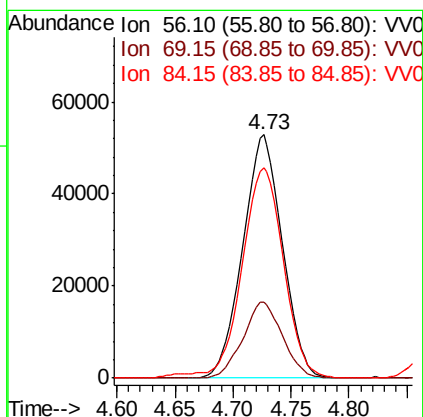
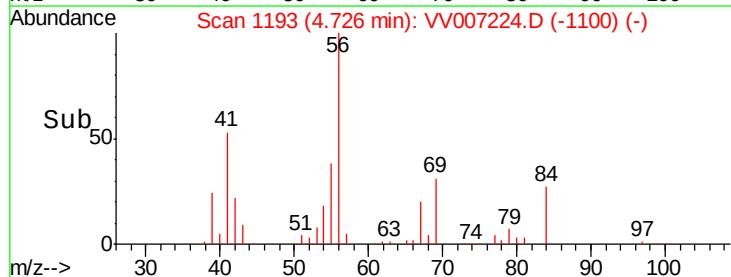
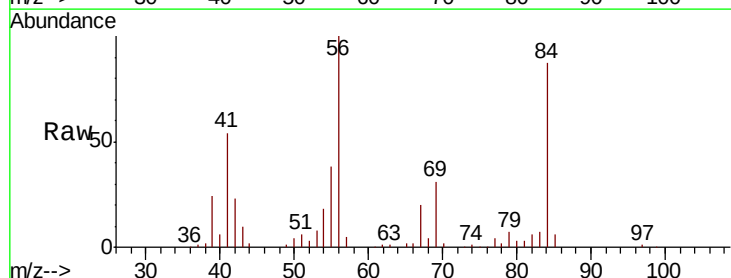
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00578

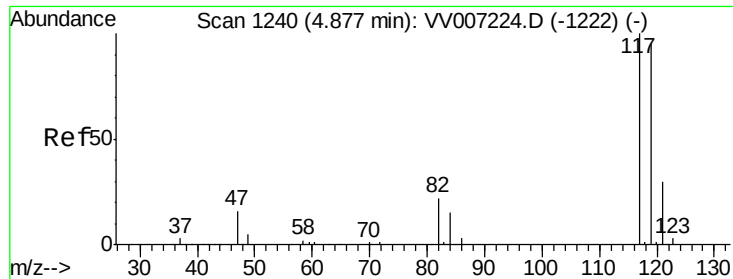
Tgt Ion: 97 Resp: 149941
 Ion Ratio Lower Upper
 97 100
 99 63.5 50.8 76.2
 61 43.2 34.6 51.8



#30
 Cyclohexane
 Concen: 4.529 ug/L
 RT: 4.73 min Scan# 1193
 Delta R.T. 0.00 min
 Lab File: VV007224.D
 Acq: 28 Aug 2018 12:47

Tgt Ion: 56 Resp: 125896
 Ion Ratio Lower Upper
 56 100
 69 31.0 24.8 37.2
 84 91.1 72.9 109.3





#31

Carbon tetrachloride

Concen: 4.845 ug/L

RT: 4.88 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VV007224.D

Acq: 28 Aug 2018 12:47

Instrument :

MSVOA_V

ClientSampleId :

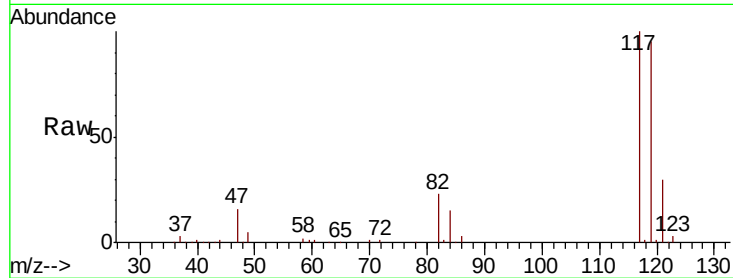
VSTD00578

Tgt Ion:117 Resp: 126910

Ion Ratio Lower Upper

117 100

119 96.5 77.2 115.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.88

60000

50000

40000

30000

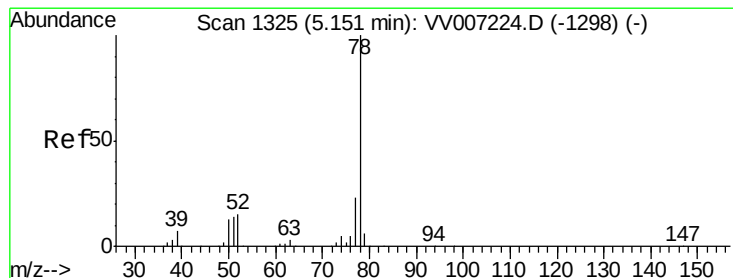
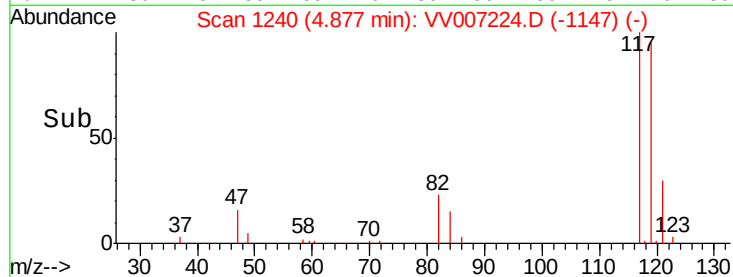
20000

10000

0

4.80 4.90 5.00

Time-->



#33

Benzene

Concen: 4.870 ug/L

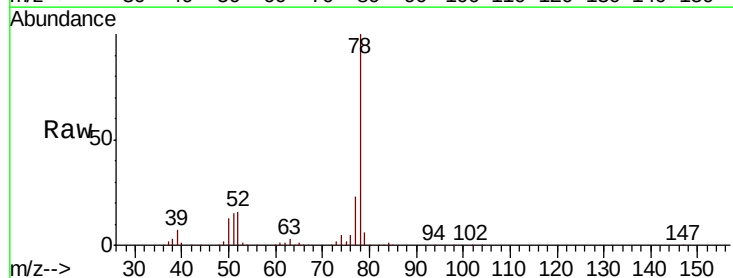
RT: 5.15 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VV007224.D

Acq: 28 Aug 2018 12:47

Tgt Ion: 78 Resp: 387047



Abundance Ion 78.10 (77.80 to 78.80): VV0

200000

150000

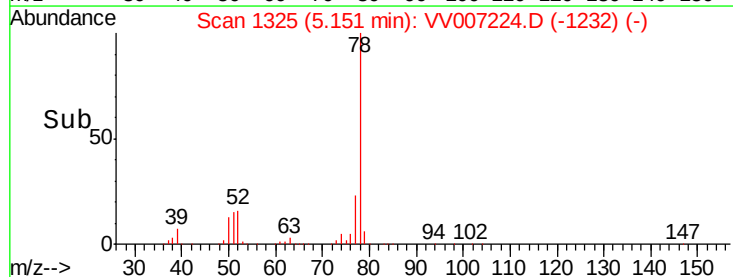
100000

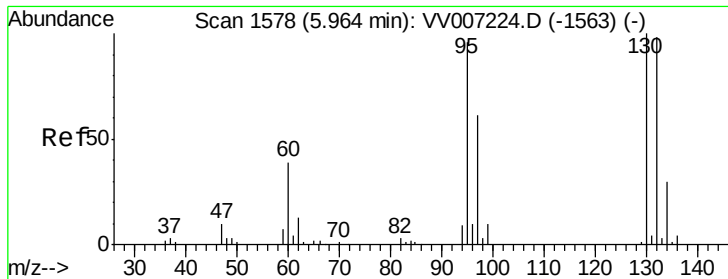
50000

0

5.00 5.10 5.20 5.30

Time-->





#34

Trichloroethene

Concen: 4.876 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VV007224.D

Acq: 28 Aug 2018 12:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD00578

Tgt Ion: 95 Resp: 93543

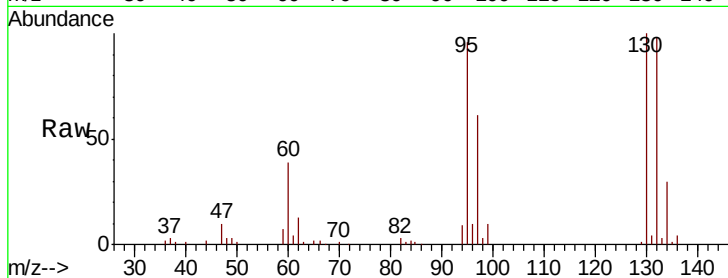
Ion Ratio Lower Upper

95 100

97 63.2 44.2 82.2

132 101.8 71.3 132.3

130 104.0 72.8 135.2

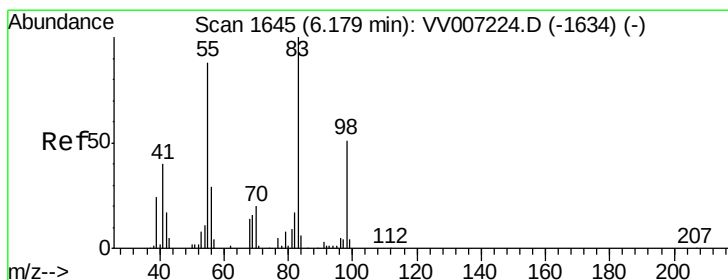
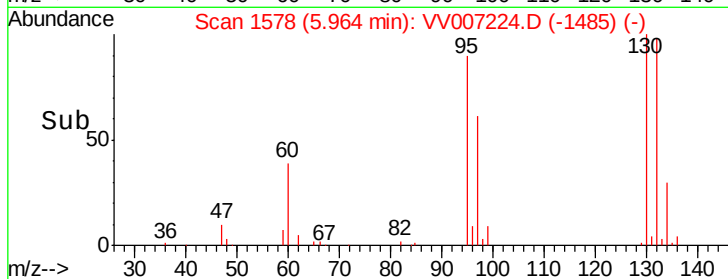
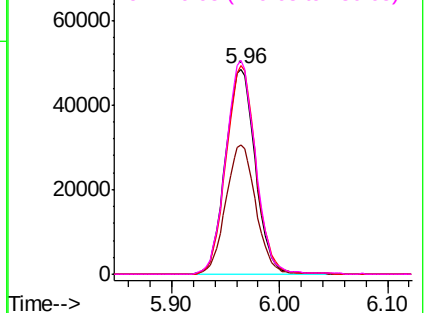


Abundance Ion 95.00 (94.70 to 95.70): VV007224.D (-1563) (-)

Ion 96.95 (96.65 to 97.65): VV007224.D (-1563) (-)

Ion 131.95 (131.65 to 132.65): VV007224.D (-1563) (-)

Ion 129.95 (129.65 to 130.65): VV007224.D (-1563) (-)



#35

Methylcyclohexane

Concen: 4.768 ug/L

RT: 6.18 min Scan# 1645

Delta R.T. 0.00 min

Lab File: VV007224.D

Acq: 28 Aug 2018 12:47

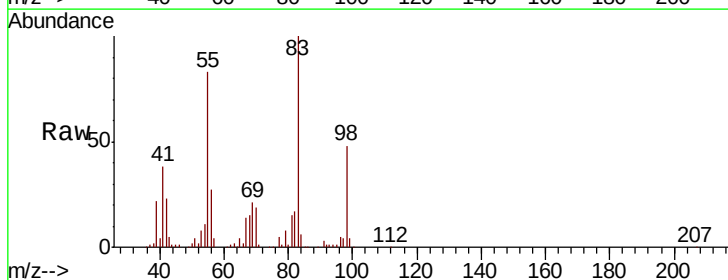
Tgt Ion: 83 Resp: 136192

Ion Ratio Lower Upper

83 100

55 80.0 64.0 96.0

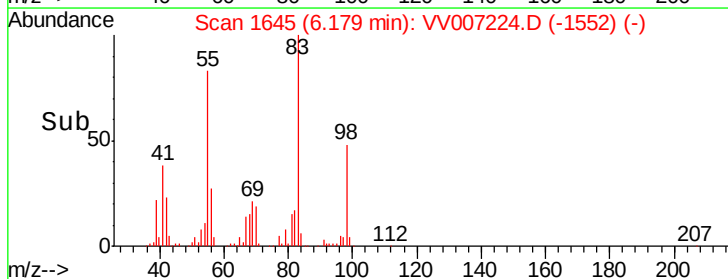
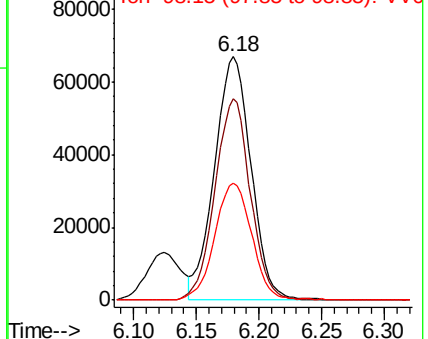
98 48.5 38.8 58.2

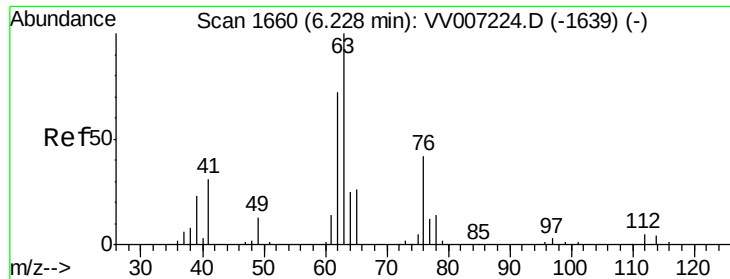


Abundance Ion 83.15 (82.85 to 83.85): VV007224.D (-1634) (-)

Ion 55.10 (54.80 to 55.80): VV007224.D (-1634) (-)

Ion 98.15 (97.85 to 98.85): VV007224.D (-1634) (-)

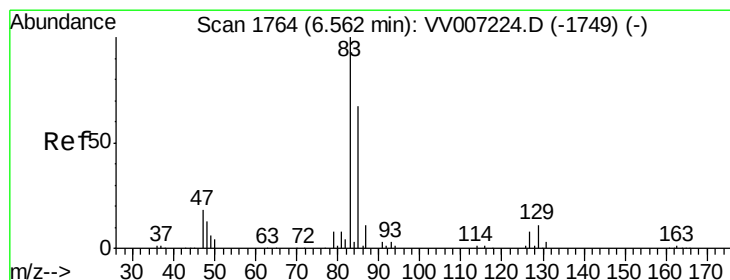
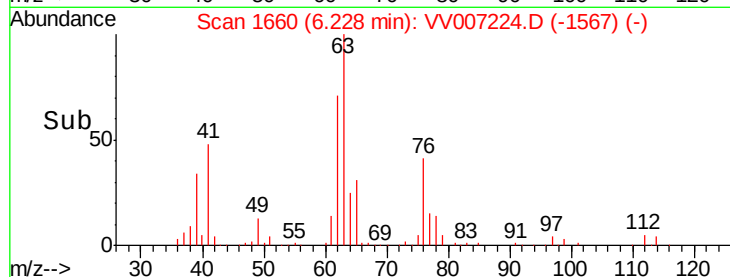
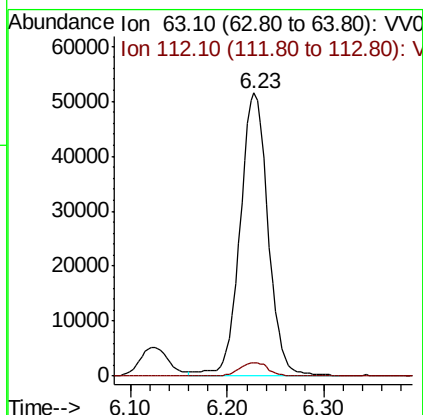
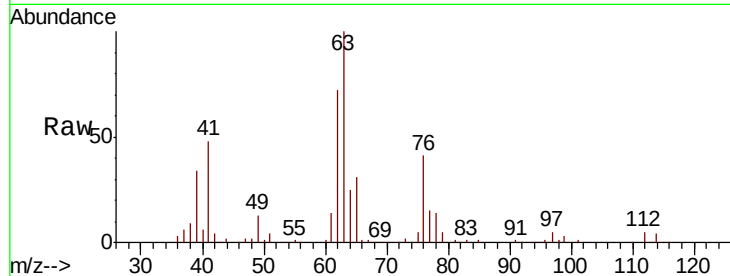




#37
 1,2-Dichloropropane
 Concen: 4.818 ug/L
 RT: 6.23 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VV007224.D
 Acq: 28 Aug 2018 12:47

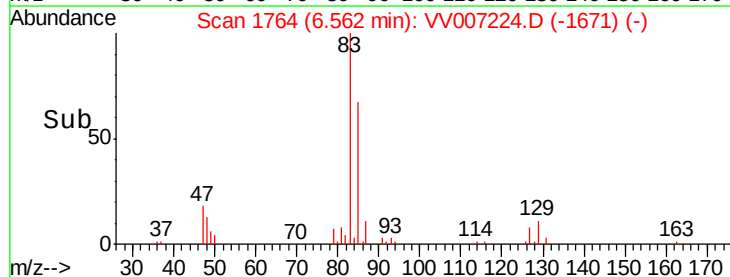
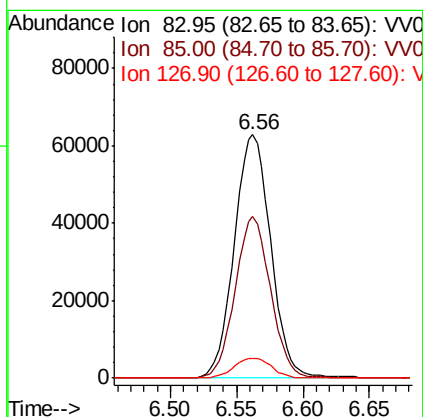
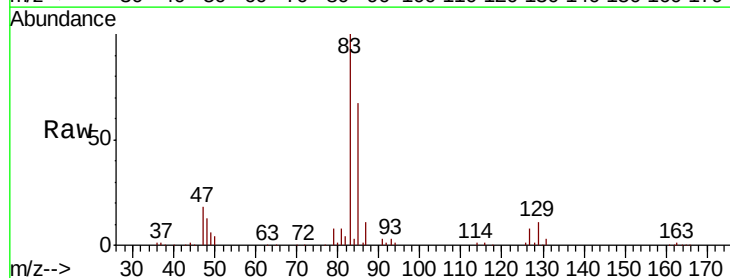
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00578

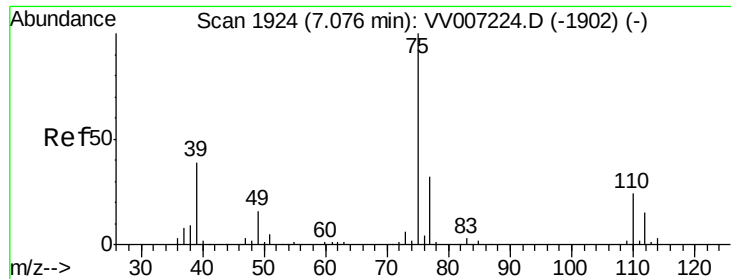
Tgt Ion: 63 Resp: 103200
 Ion Ratio Lower Upper
 63 100
 112 4.9 3.9 5.9



#38
 Bromodichloromethane
 Concen: 4.823 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VV007224.D
 Acq: 28 Aug 2018 12:47

Tgt Ion: 83 Resp: 120260
 Ion Ratio Lower Upper
 83 100
 85 66.5 46.5 86.5
 127 8.3 6.6 10.0

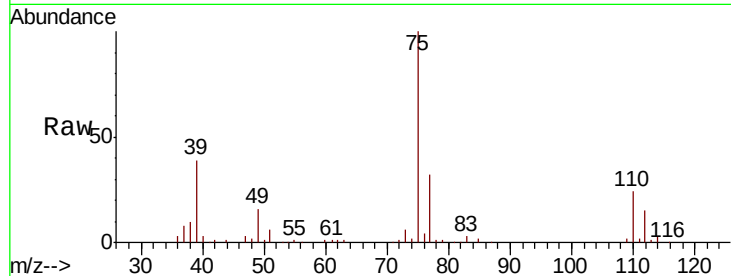




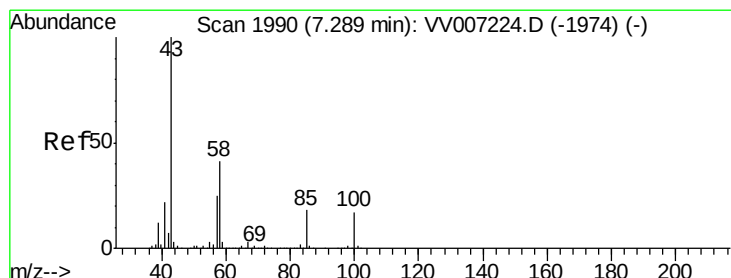
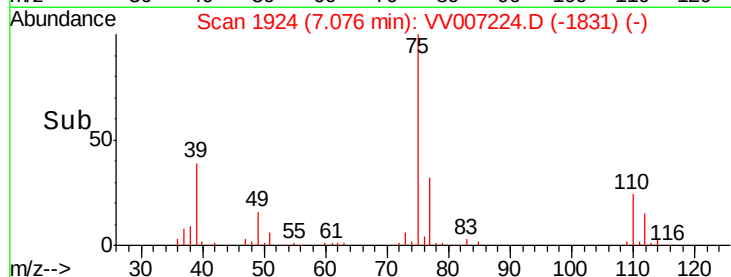
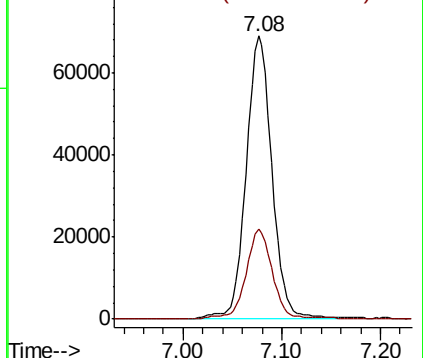
#39
 cis-1,3-Dichloropropene
 Concen: 4.887 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV007224.D
 Acq: 28 Aug 2018 12:47

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00578

Tgt Ion: 75 Resp: 124544
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.2 41.2

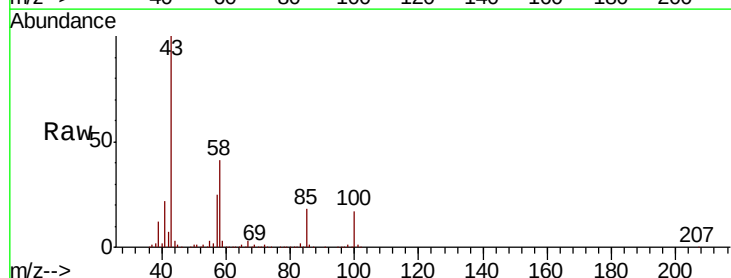


Abundance Ion 75.05 (74.75 to 75.75): VV0
 Ion 77.05 (76.75 to 77.75): VV0

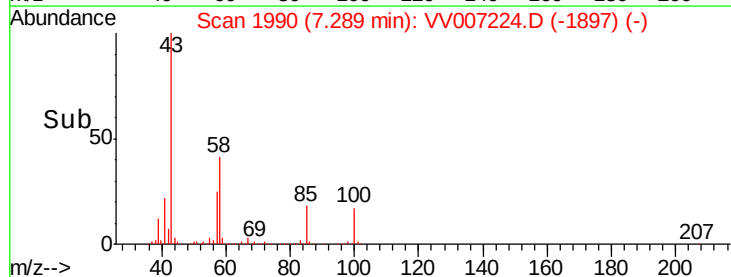
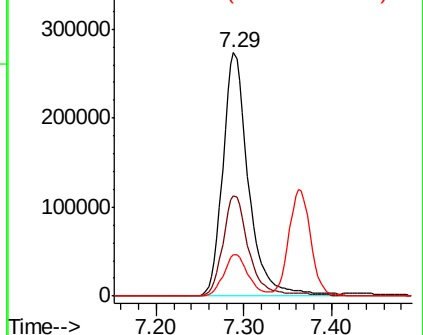


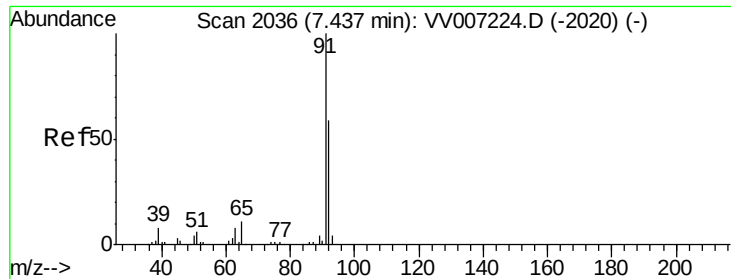
#40
 4-Methyl-2-pentanone
 Concen: 52.790 ug/L
 RT: 7.29 min Scan# 1990
 Delta R.T. 0.00 min
 Lab File: VV007224.D
 Acq: 28 Aug 2018 12:47

Tgt Ion: 43 Resp: 558893
 Ion Ratio Lower Upper
 43 100
 58 42.3 33.8 50.8
 100 16.4 13.1 19.7



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





#42

Toluene

Concen: 5.128 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV007224.D

Acq: 28 Aug 2018 12:47

Instrument :

MSVOA_V

ClientSampleId :

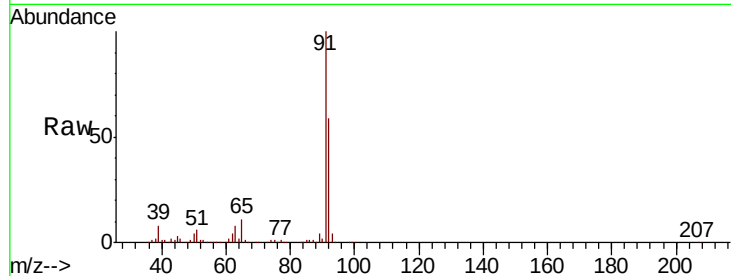
VSTD00578

Tgt Ion: 91 Resp: 390677

Ion Ratio Lower Upper

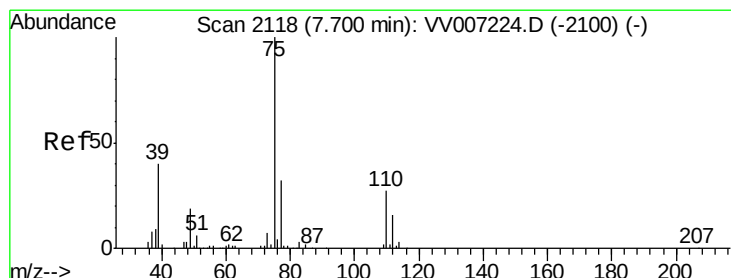
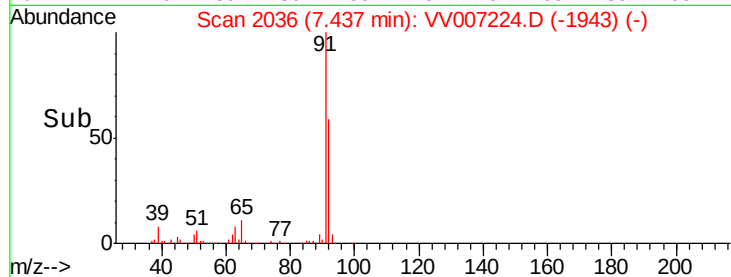
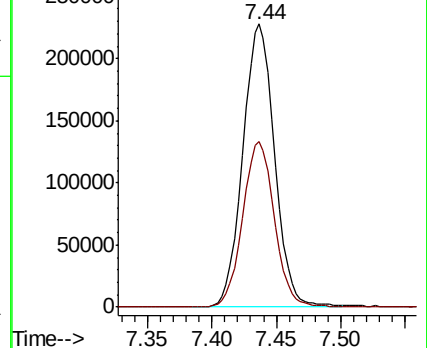
91 100

92 58.7 41.1 76.3



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: 4.918 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV007224.D

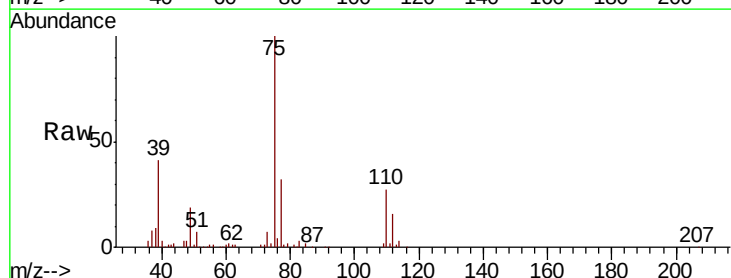
Acq: 28 Aug 2018 12:47

Tgt Ion: 75 Resp: 104191

Ion Ratio Lower Upper

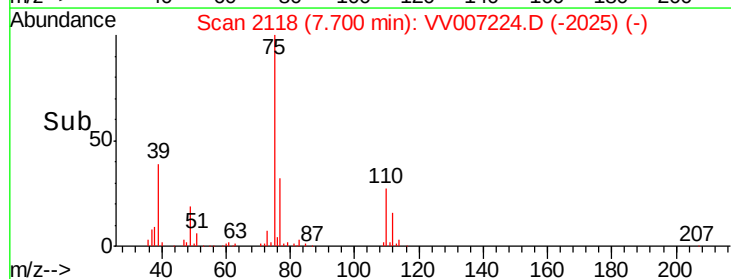
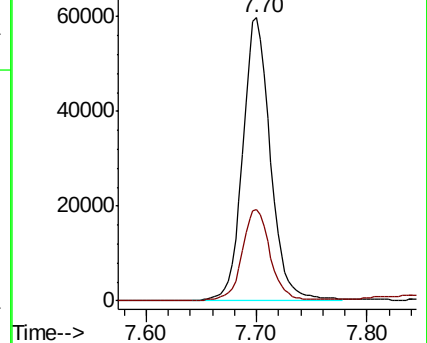
75 100

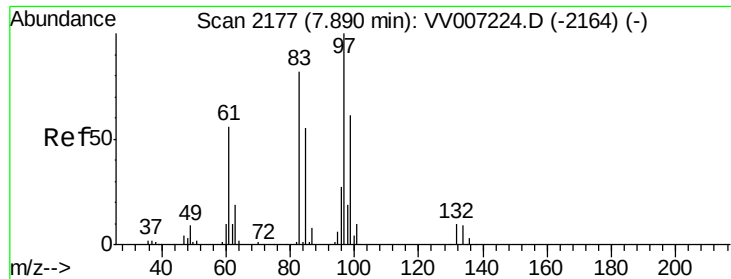
77 32.2 22.5 41.9



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: 5.087 ug/L

RT: 7.89 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VV007224.D

Acq: 28 Aug 2018 12:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD00578

Tgt Ion: 97 Resp: 73951

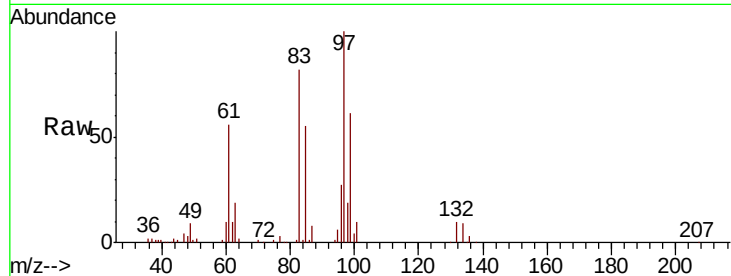
Ion Ratio Lower Upper

97 100

99 60.8 42.6 79.0

83 81.8 57.3 106.3

85 54.7 38.3 71.1

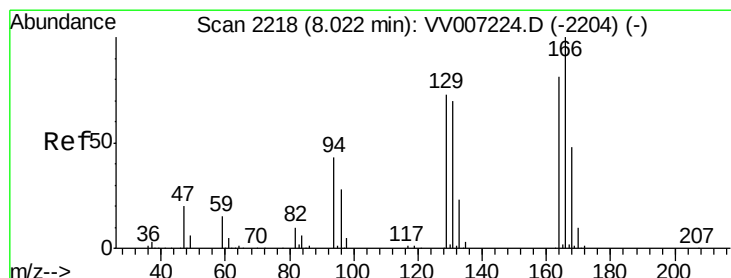
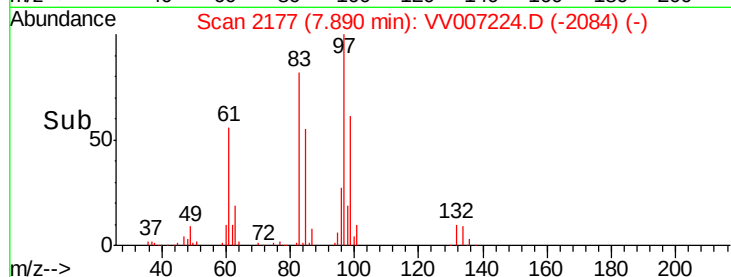
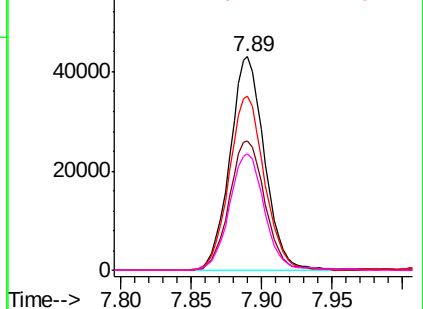


Abundance Ion 96.95 (96.65 to 97.65): VV0

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: 4.989 ug/L

RT: 8.02 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VV007224.D

Acq: 28 Aug 2018 12:47

Tgt Ion: 164 Resp: 80030

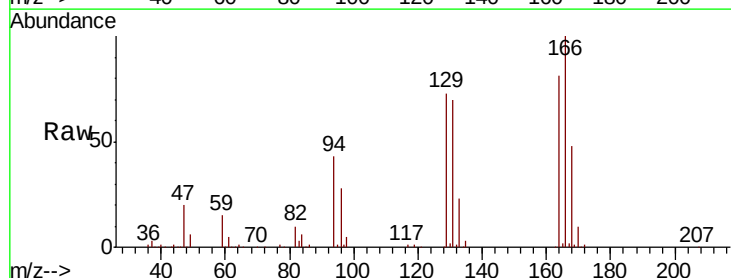
Ion Ratio Lower Upper

164 100

129 89.6 62.7 116.5

131 85.9 60.1 111.7

166 123.4 86.4 160.4

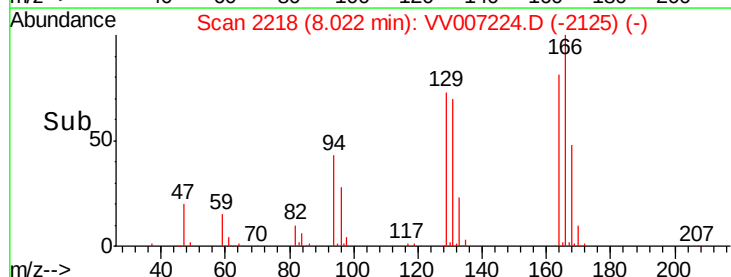
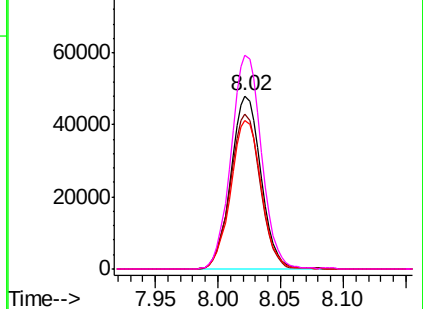


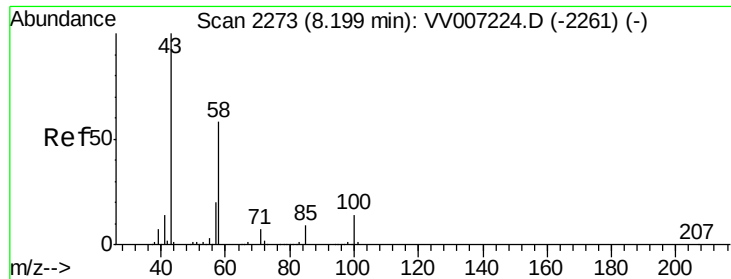
Abundance Ion 163.90 (163.60 to 164.60): V

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

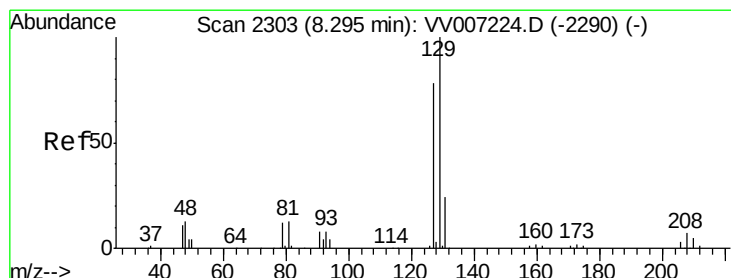
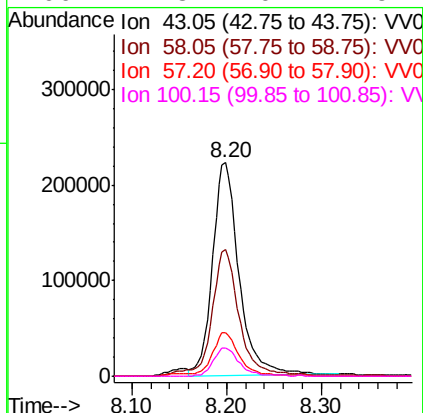
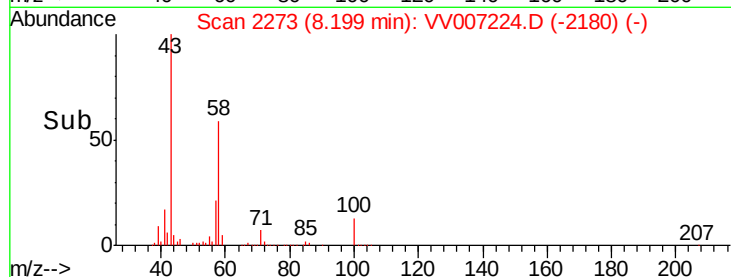
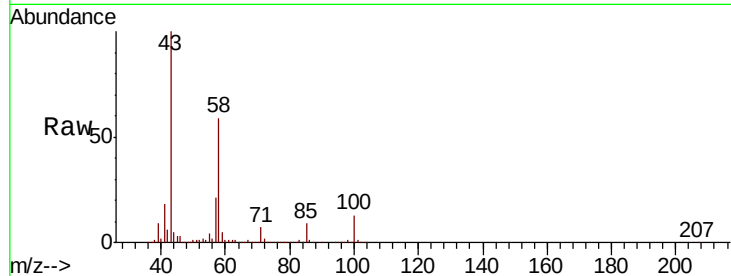




#48
2-Hexanone
Concen: 54.310 ug/L
RT: 8.20 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VV007224.D
Acq: 28 Aug 2018 12:47

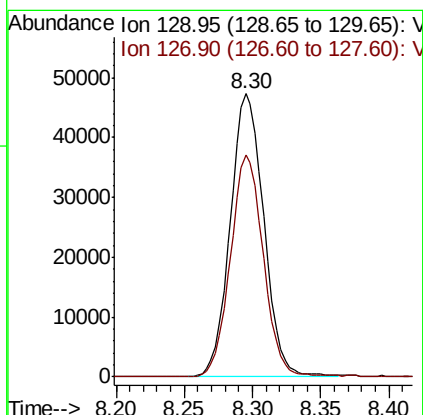
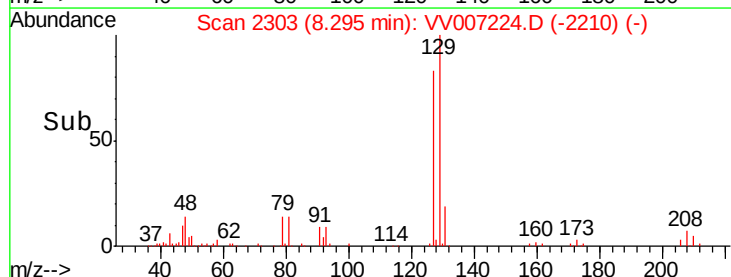
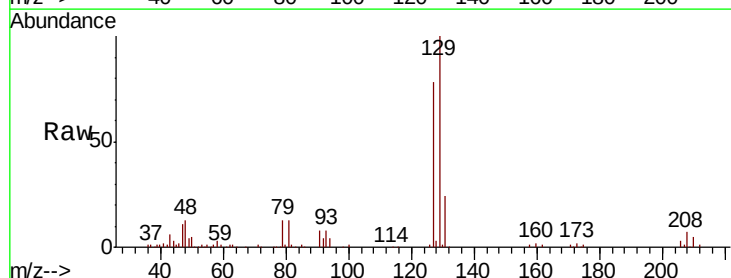
Instrument :
MSVOA_V
ClientSampleId :
VSTD00578

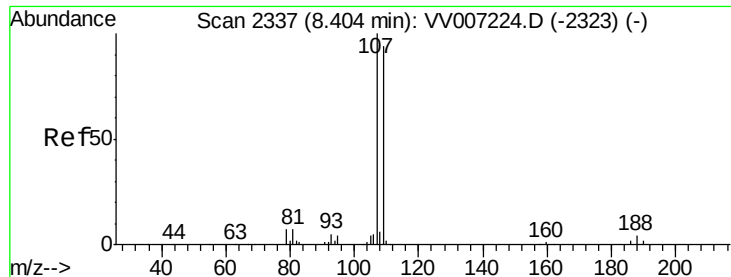
Tgt Ion:	43	Resp:	430452
Ion	Ratio	Lower	Upper
43	100		
58	62.5	50.0	75.0
57	20.8	16.6	25.0
100	12.8	10.2	15.4



#49
Dibromochloromethane
Concen: 5.068 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VV007224.D
Acq: 28 Aug 2018 12:47

Tgt Ion:	129	Resp:	81009
Ion	Ratio	Lower	Upper
129	100		
127	78.4	54.9	101.9

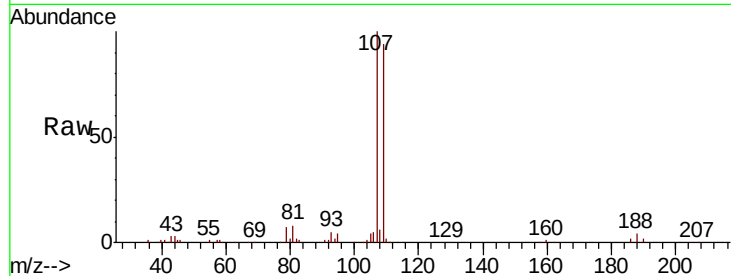




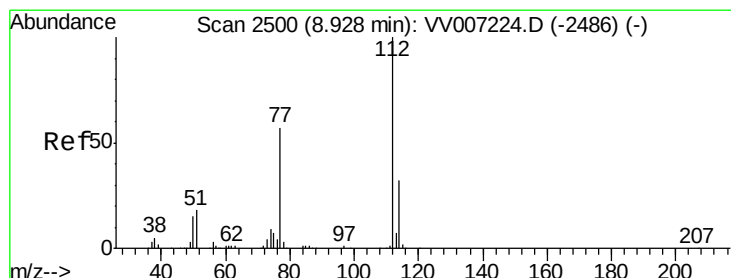
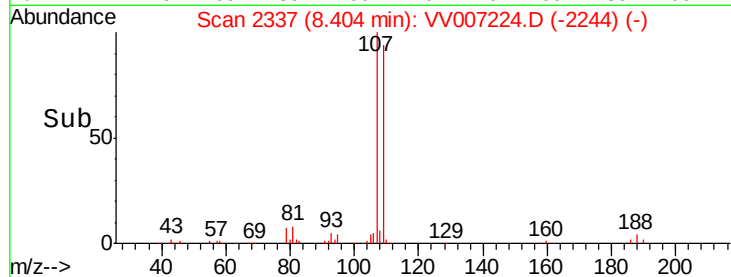
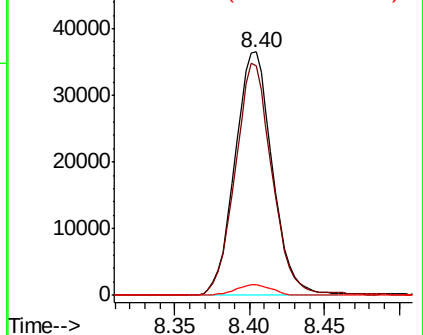
#50
1,2-Dibromoethane
Concen: 5.207 ug/L
RT: 8.40 min Scan# 2337
Delta R.T. 0.00 min
Lab File: VV007224.D
Acq: 28 Aug 2018 12:47

Instrument :
MSVOA_V
ClientSampleId :
VSTD00578

Tgt Ion:107 Resp: 63611
Ion Ratio Lower Upper
107 100
109 94.1 65.9 122.3
188 4.4 3.5 5.3

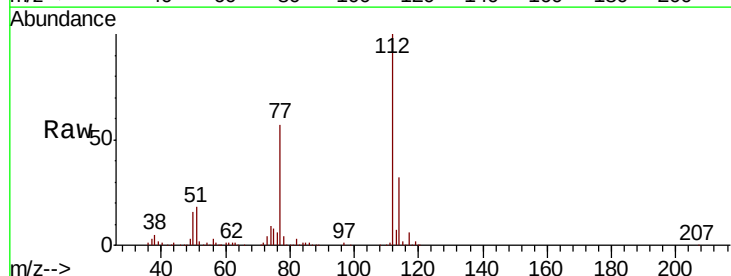


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

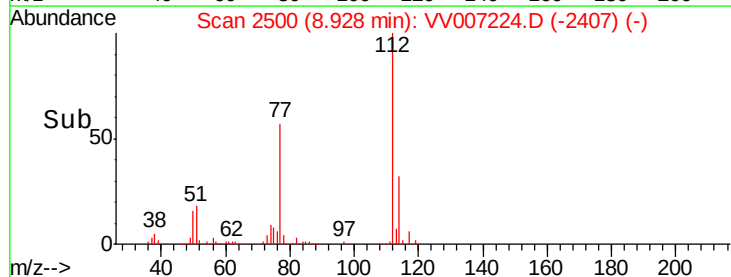
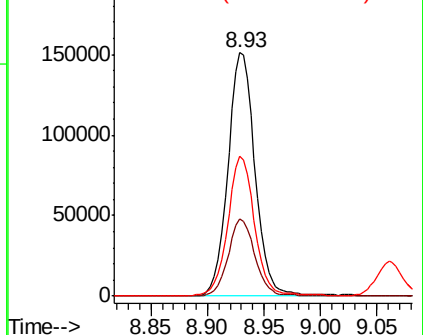


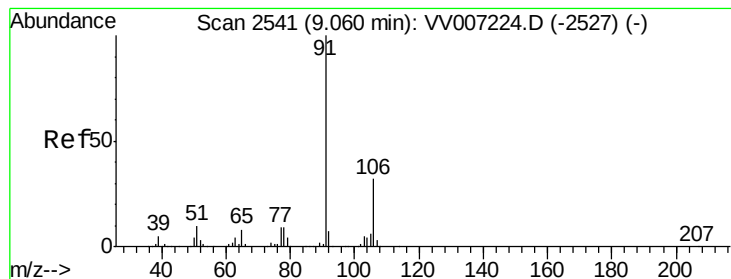
#51
Chlorobenzene
Concen: 4.992 ug/L
RT: 8.93 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VV007224.D
Acq: 28 Aug 2018 12:47

Tgt Ion:112 Resp: 252381
Ion Ratio Lower Upper
112 100
114 31.5 22.0 41.0
77 57.4 45.9 68.9



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): V





#52

Ethylbenzene

Concen: 4.950 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV007224.D

Acq: 28 Aug 2018 12:47

Instrument :

MSVOA_V

ClientSampleId :

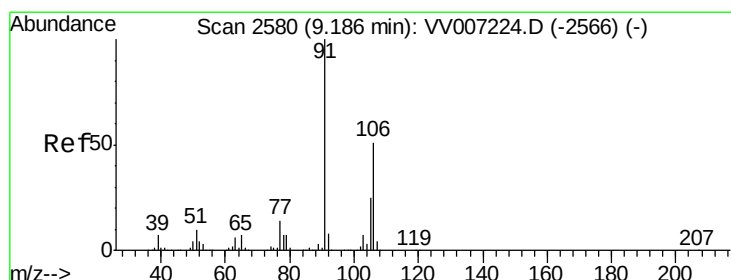
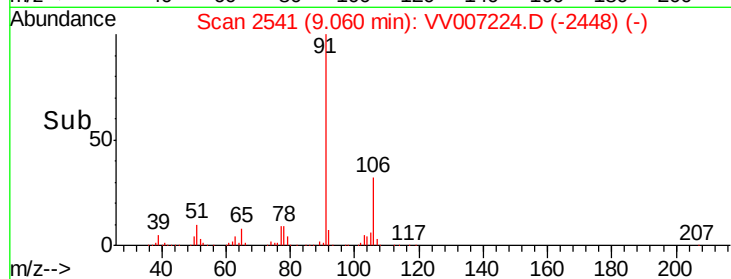
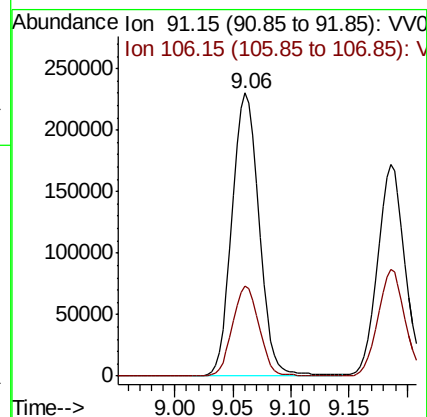
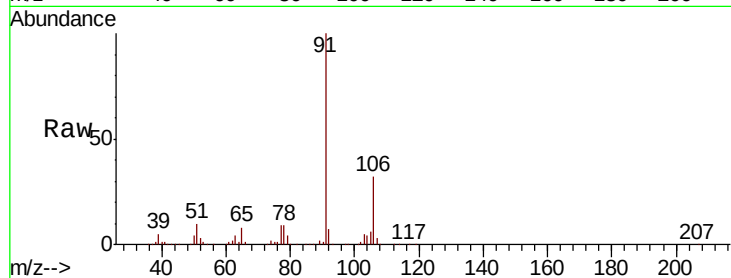
VSTD00578

Tgt Ion: 91 Resp: 372527

Ion Ratio Lower Upper

91 100

106 31.8 22.3 41.3



#53

m,p-xylene

Concen: 5.012 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV007224.D

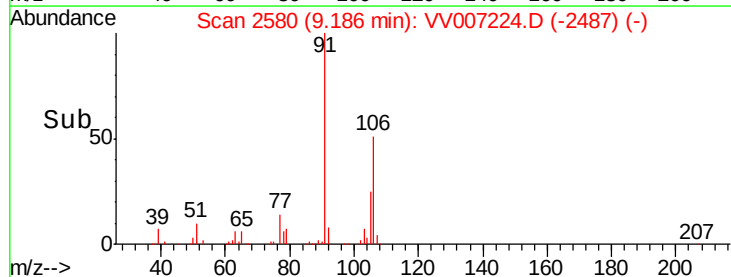
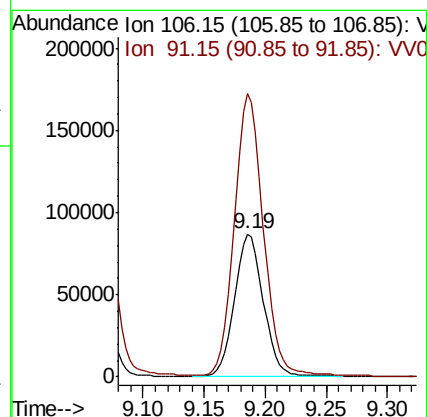
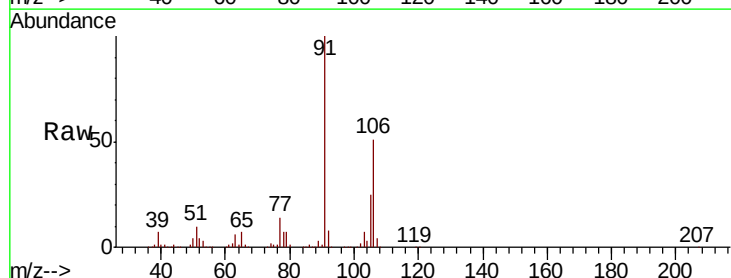
Acq: 28 Aug 2018 12:47

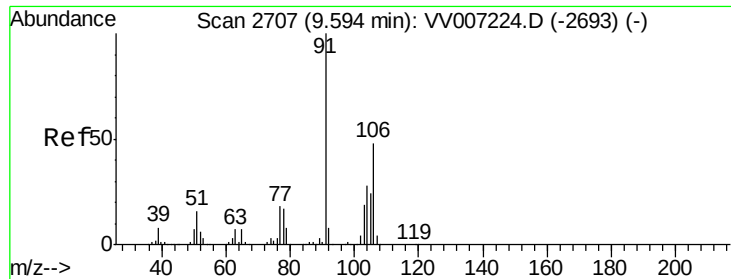
Tgt Ion: 106 Resp: 142350

Ion Ratio Lower Upper

106 100

91 197.7 138.4 257.0





#54

o-xylene

Concen: 4.910 ug/L

RT: 9.59 min Scan# 2707

Delta R.T. 0.00 min

Lab File: VV007224.D

Acq: 28 Aug 2018 12:47

Instrument :

MSVOA_V

ClientSampleId :

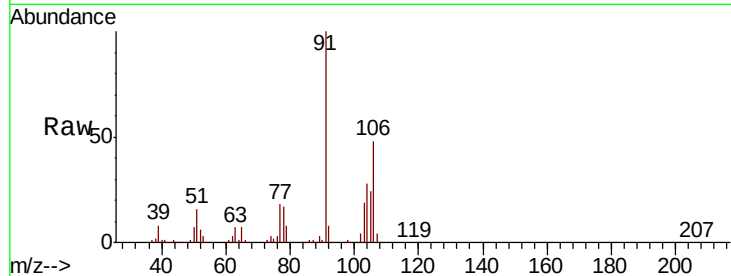
VSTD00578

Tgt Ion:106 Resp: 133031

Ion Ratio Lower Upper

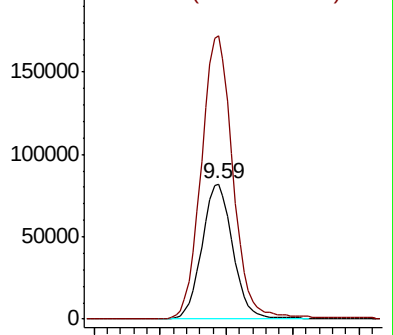
106 100

91 209.8 146.9 272.7

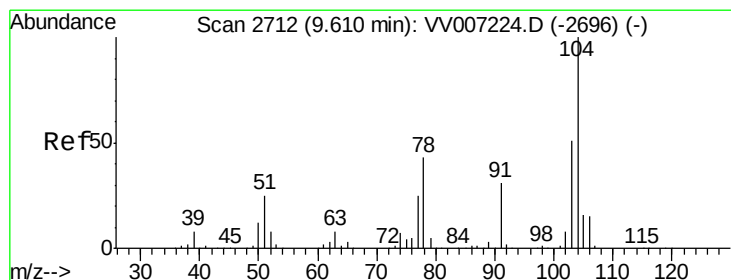
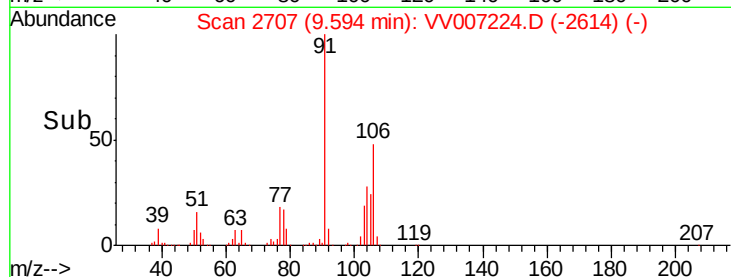


Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



Time-->



#55

Styrene

Concen: 5.210 ug/L

RT: 9.61 min Scan# 2712

Delta R.T. 0.00 min

Lab File: VV007224.D

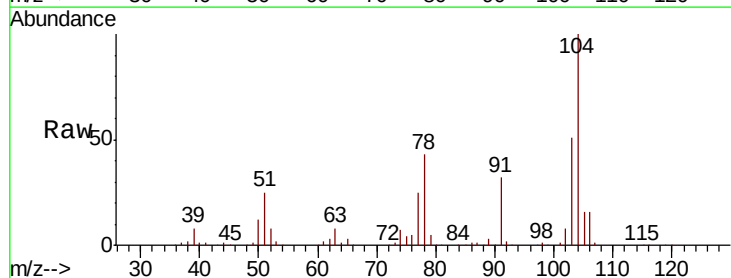
Acq: 28 Aug 2018 12:47

Tgt Ion:104 Resp: 242458

Ion Ratio Lower Upper

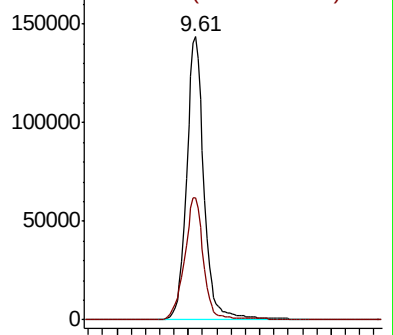
104 100

78 43.2 30.2 56.2

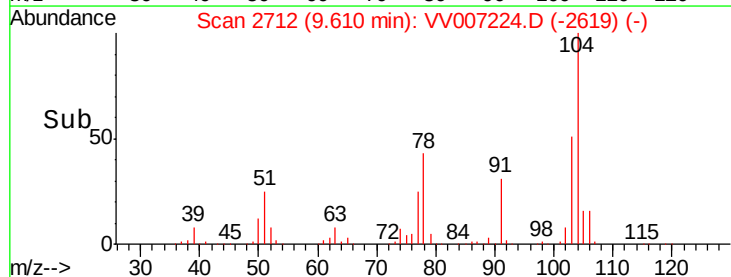


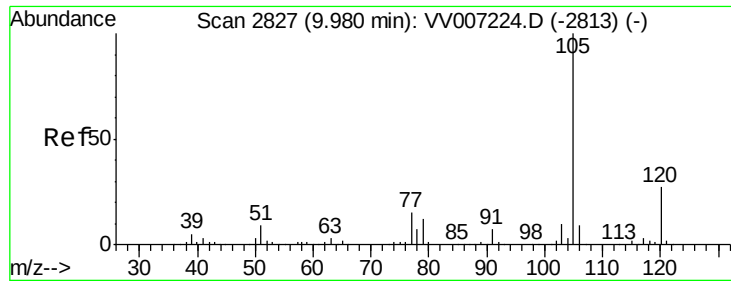
Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0



Time-->





#56

Isopropylbenzene

Concen: 5.084 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV007224.D

Acq: 28 Aug 2018 12:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD00578

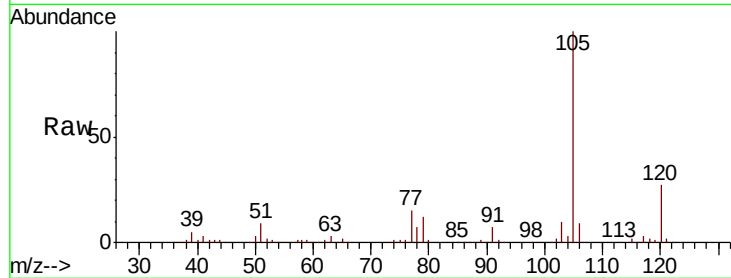
Tgt Ion: 105 Resp: 361177

Ion Ratio Lower Upper

105 100

120 26.2 21.0 31.4

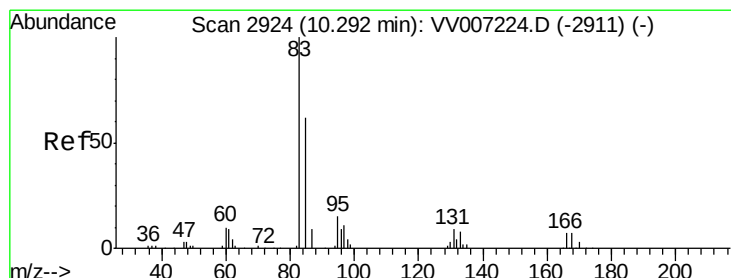
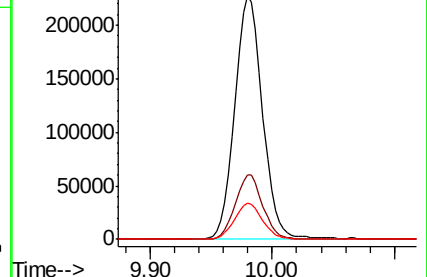
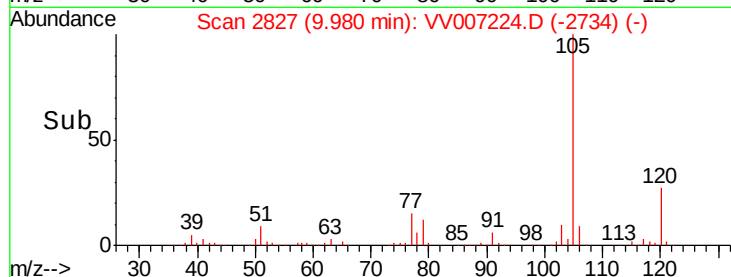
77 15.1 12.1 18.1



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: 5.074 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VV007224.D

Acq: 28 Aug 2018 12:47

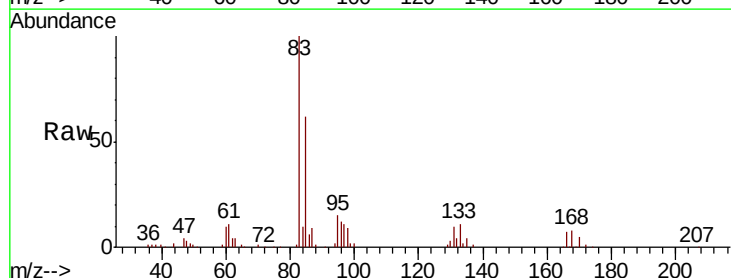
Tgt Ion: 83 Resp: 86859

Ion Ratio Lower Upper

83 100

85 62.4 43.7 81.1

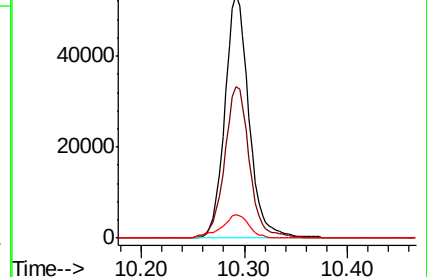
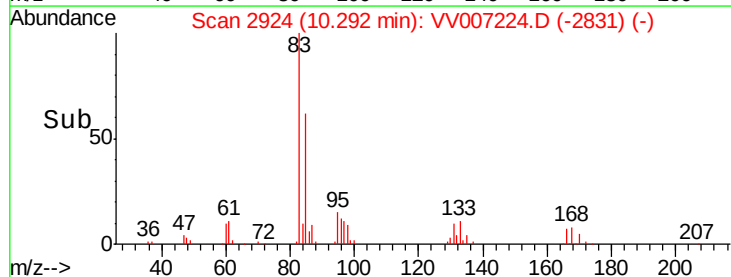
131 9.6 7.7 11.5

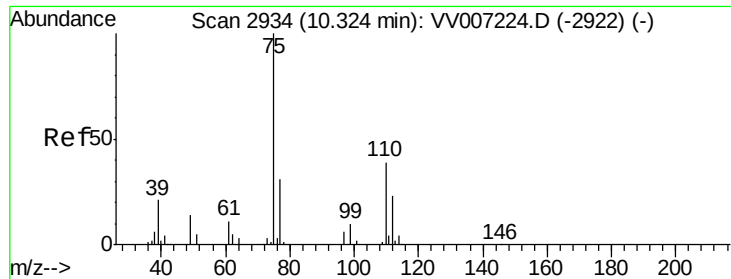


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.050 ug/L

RT: 10.32 min Scan# 2934

Delta R.T. 0.00 min

Lab File: VV007224.D

Acq: 28 Aug 2018 12:47

Instrument :

MSVOA_V

ClientSampleId :

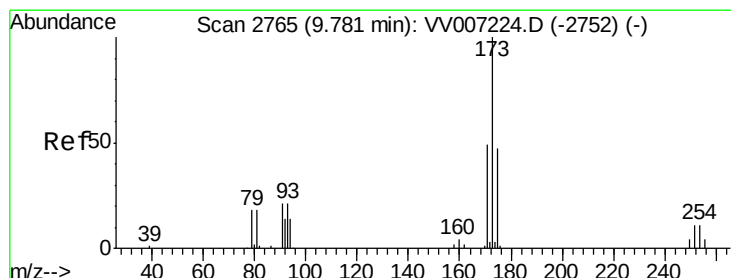
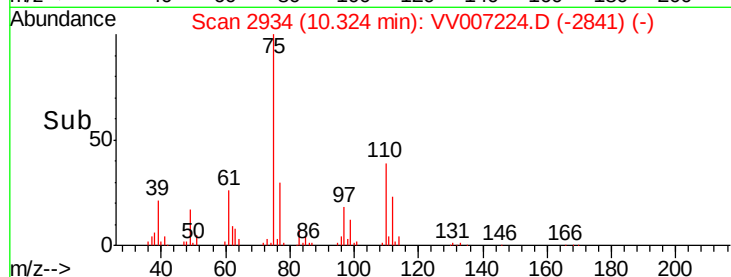
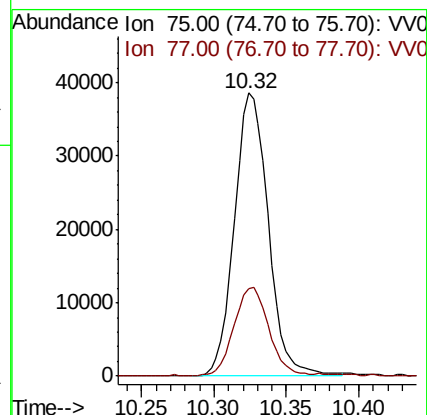
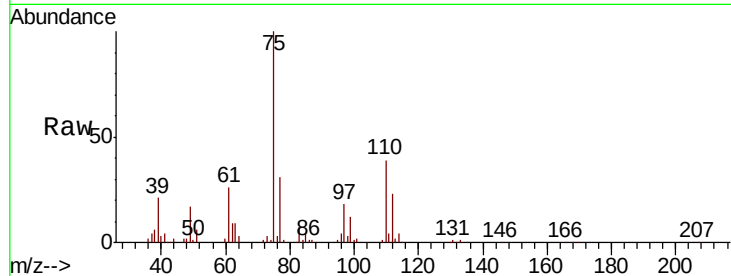
VSTD00578

Tgt Ion: 75 Resp: 62608

Ion Ratio Lower Upper

75 100

77 32.5 26.0 39.0



#61

Bromoform

Concen: 4.949 ug/L

RT: 9.78 min Scan# 2765

Delta R.T. 0.00 min

Lab File: VV007224.D

Acq: 28 Aug 2018 12:47

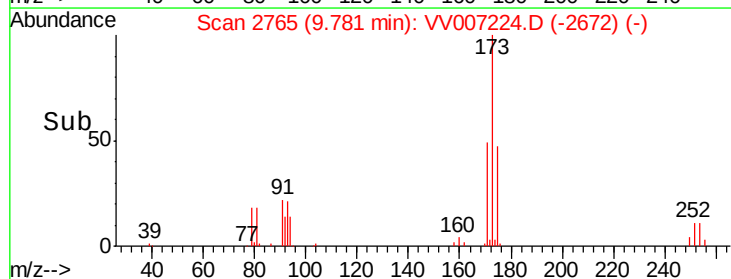
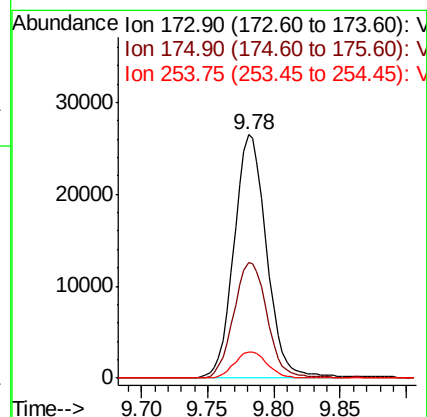
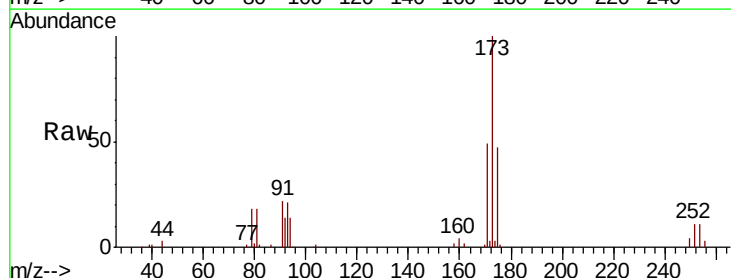
Tgt Ion: 173 Resp: 45143

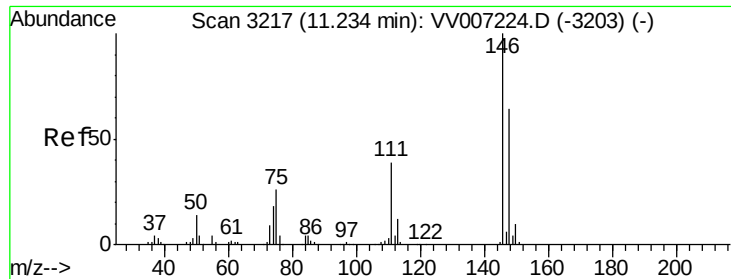
Ion Ratio Lower Upper

173 100

175 49.1 39.3 58.9

254 10.9 8.7 13.1





#62

1,3-Dichlorobenzene

Concen: 4.875 ug/L

RT: 11.23 min Scan# 3217

Delta R.T. 0.00 min

Lab File: VV007224.D

Acq: 28 Aug 2018 12:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD00578

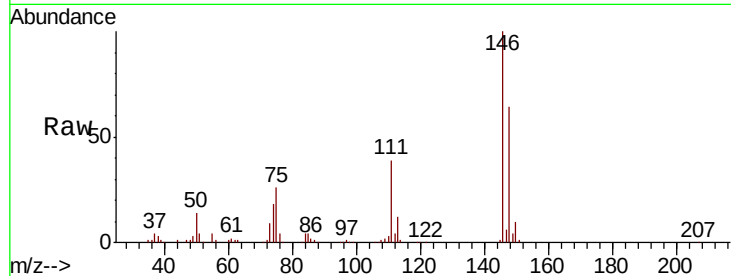
Tgt Ion:146 Resp: 178297

Ion Ratio Lower Upper

146 100

111 38.8 27.2 50.4

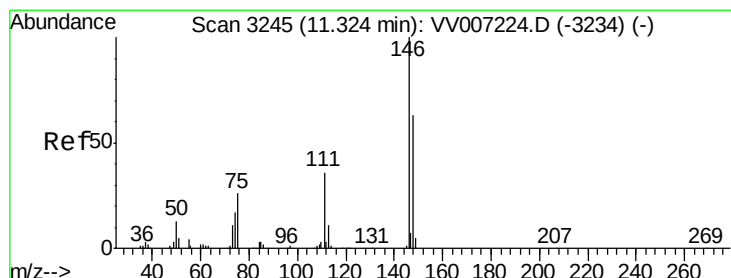
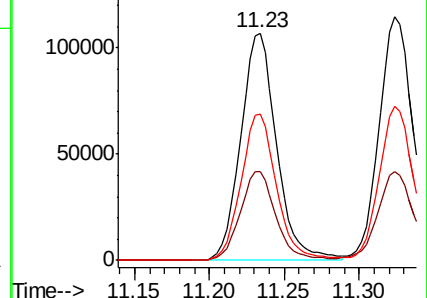
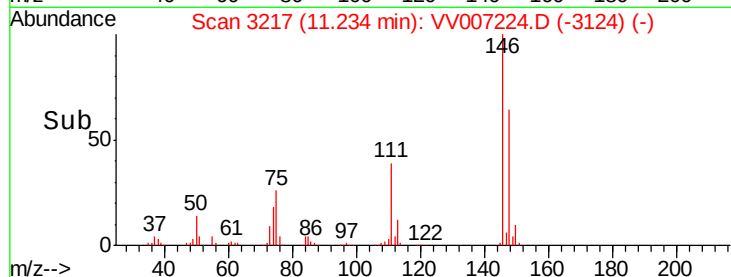
148 64.3 45.0 83.6



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: 4.870 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. 0.00 min

Lab File: VV007224.D

Acq: 28 Aug 2018 12:47

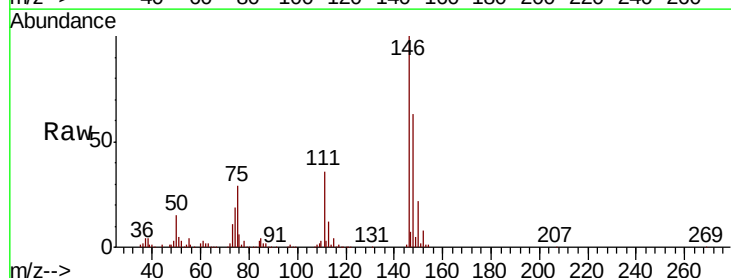
Tgt Ion:146 Resp: 187946

Ion Ratio Lower Upper

146 100

111 36.3 25.4 47.2

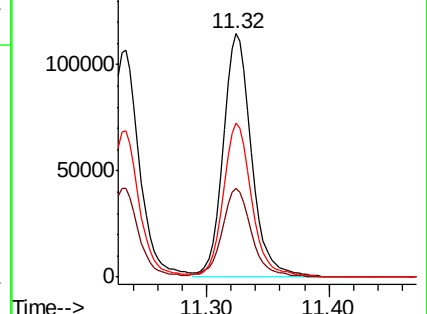
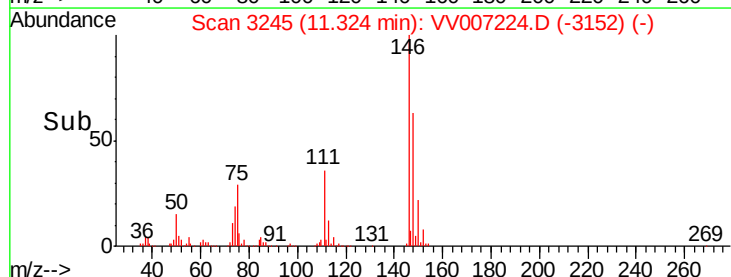
148 63.3 44.3 82.3

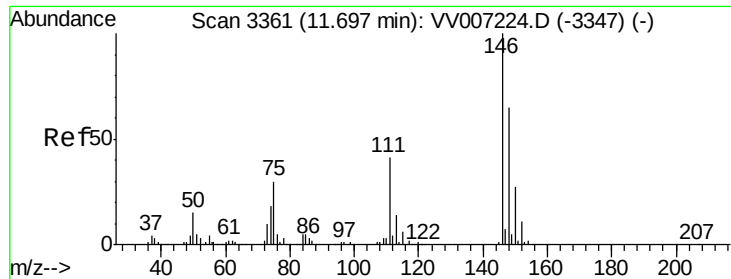


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

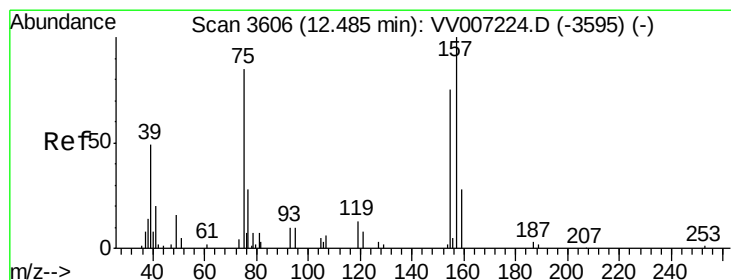
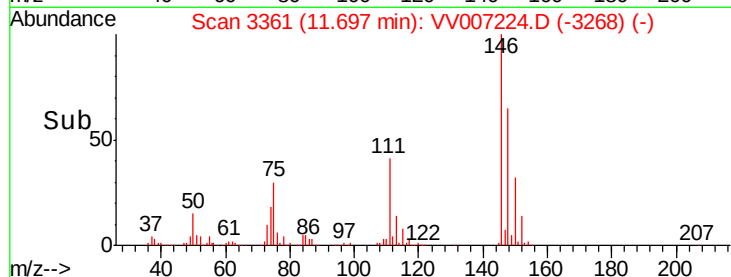
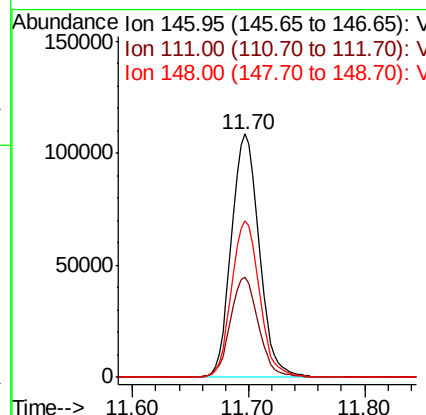
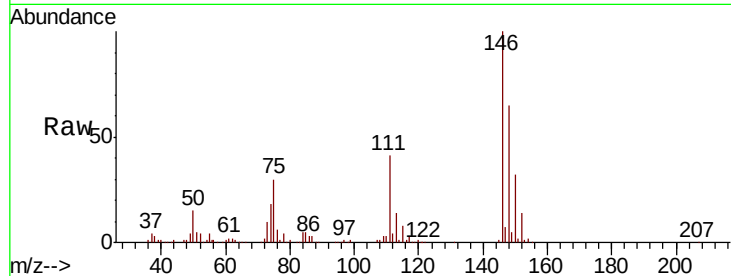




#65
 1,2-Dichlorobenzene
 Concen: 4.910 ug/L
 RT: 11.70 min Scan# 3361
 Delta R.T. 0.00 min
 Lab File: VV007224.D
 Acq: 28 Aug 2018 12:47

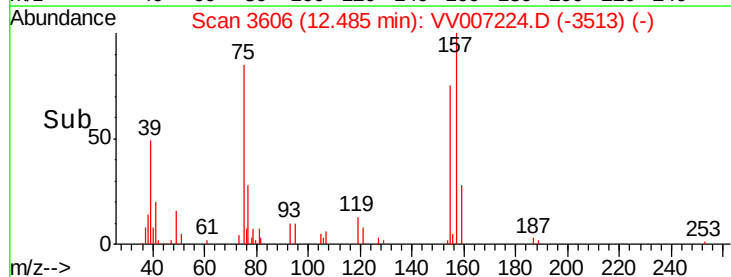
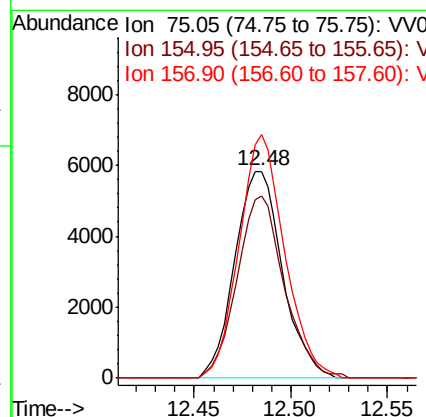
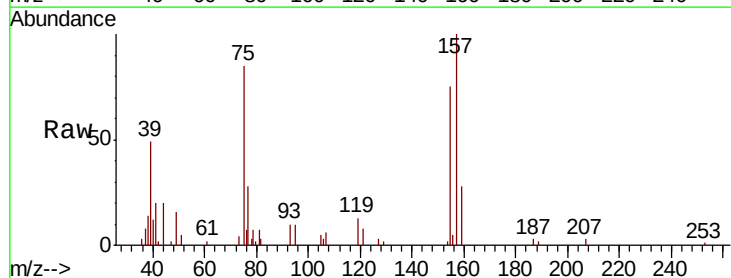
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00578

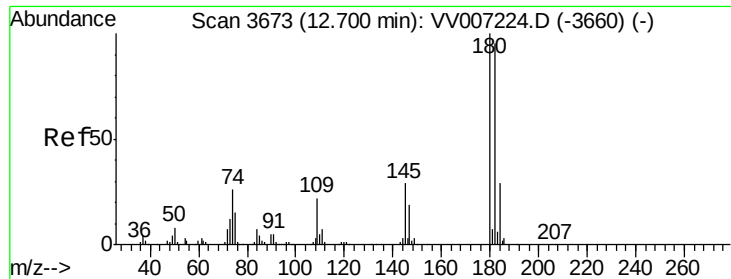
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	33.0	49.6
148	64.5	51.6	77.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.758 ug/L
 RT: 12.48 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VV007224.D
 Acq: 28 Aug 2018 12:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.0	70.4	105.6
157	117.7	94.2	141.2

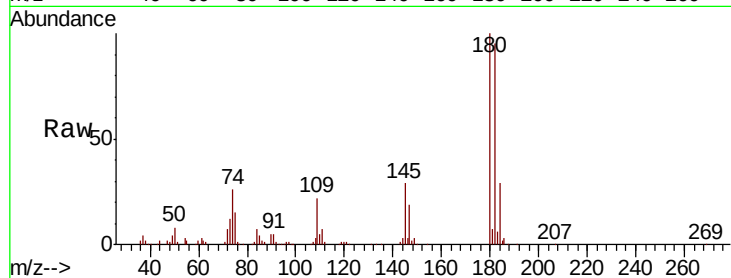




#67
 1,3,5-Trichlorobenzene
 Concen: 4.823 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. 0.00 min
 Lab File: VV007224.D
 Acq: 28 Aug 2018 12:47

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00578

Tgt Ion:	180	Resp:	131646
Ion	Ratio	Lower	Upper
180	100		
182	96.3	77.0	115.6
184	29.3	23.4	35.2
145	28.2	22.6	33.8



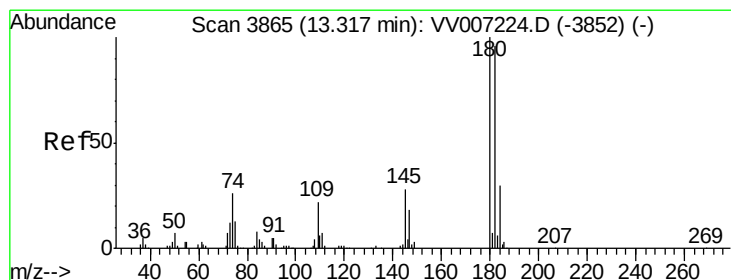
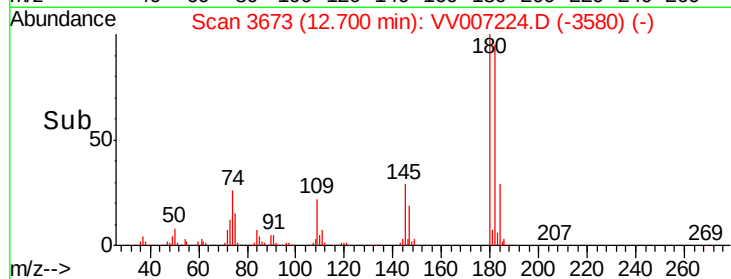
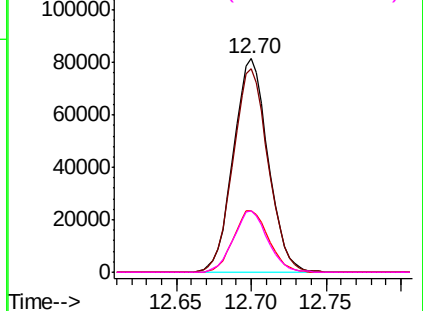
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

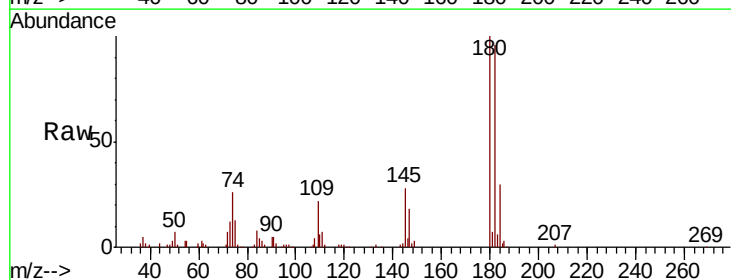
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.909 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. 0.00 min
 Lab File: VV007224.D
 Acq: 28 Aug 2018 12:47

Tgt Ion:	180	Resp:	89905
Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.8	115.2
145	28.3	22.6	34.0

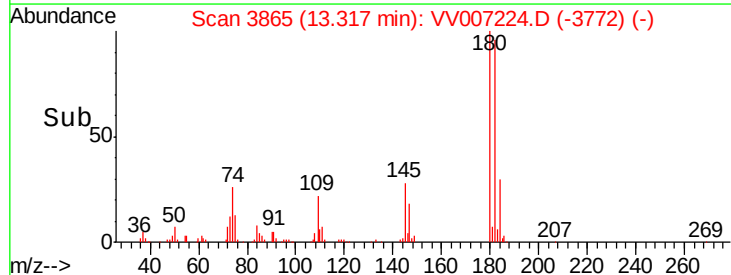
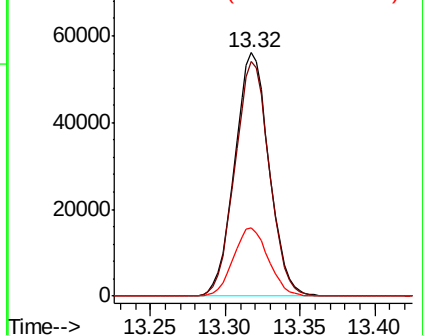


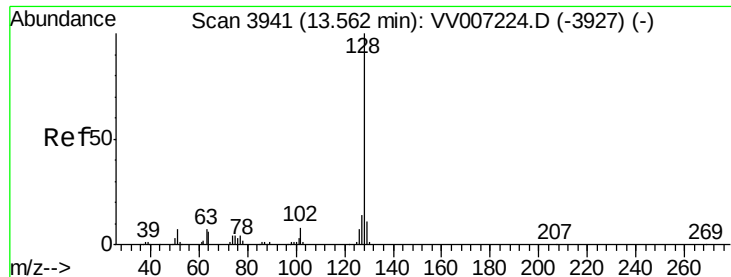
Abundance

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: 4.279 ug/L

RT: 13.56 min Scan# 3941

Delta R.T. 0.00 min

Lab File: VV007224.D

Acq: 28 Aug 2018 12:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD00578

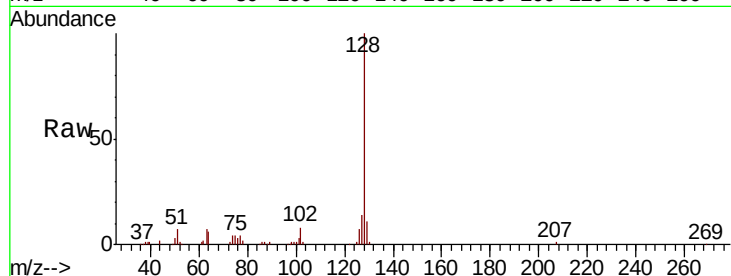
Tgt Ion:128 Resp: 102169

Ion Ratio Lower Upper

128 100

129 11.1 8.9 13.3

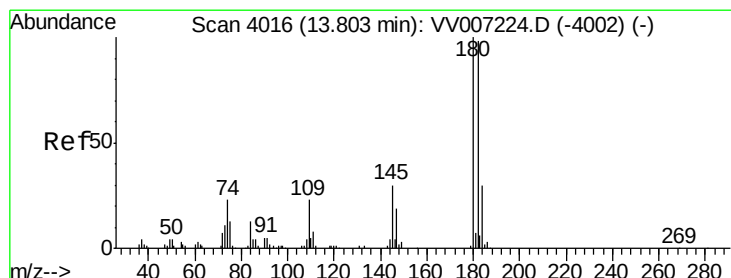
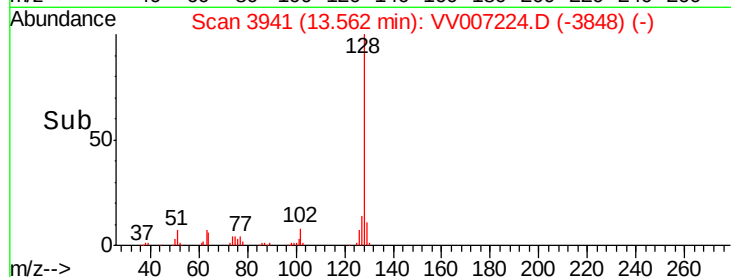
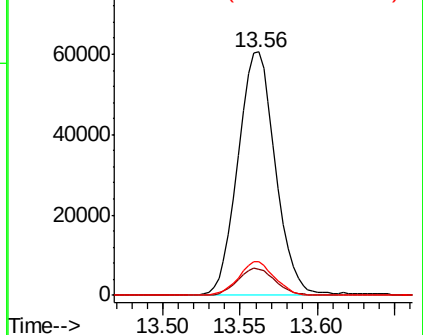
127 13.2 10.6 15.8



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: 4.907 ug/L

RT: 13.80 min Scan# 4016

Delta R.T. 0.00 min

Lab File: VV007224.D

Acq: 28 Aug 2018 12:47

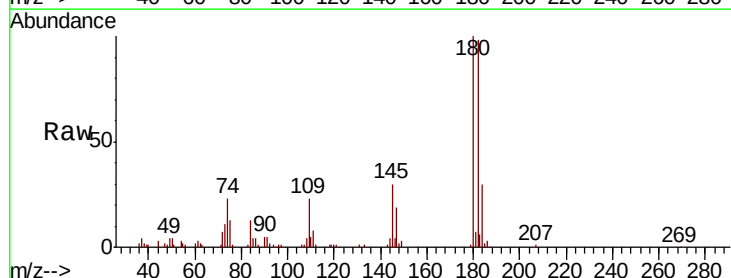
Tgt Ion:180 Resp: 87284

Ion Ratio Lower Upper

180 100

182 96.2 77.0 115.4

145 29.8 23.8 35.8



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

