

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081718\
 Data File : VV007045.D
 Acq On : 17 Aug 2018 10:26
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 18 02:47:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR080918WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Aug 17 01:13:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	246988	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	241665	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	108916	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	67565	4.24	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.80%
7) Chloroethane-d5	1.59	69	58656	4.34	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.80%
11) 1,1-Dichloroethene-d2	2.13	63	132373	4.42	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.40%
20) 2-Butanone-d5	3.98	46	187594	40.92	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	81.84%
24) Chloroform-d	4.40	84	142446	4.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.00%
26) 1,2-Dichloroethane-d4	5.09	65	70376	4.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.20%
32) Benzene-d6	5.10	84	279310	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.00%
36) 1,2-Dichloropropane-d6	6.12	67	90802	4.28	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.60%
41) Toluene-d8	7.36	98	249103	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.40%
43) trans-1,3-Dichloropropene-	7.67	79	29926	4.05	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.00%
46) 2-Hexanone-d5	8.14	63	103825	34.38	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	68.76%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	66691	4.03	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	80.60%
64) 1,2-Dichlorobenzene-d4	11.68	152	82311	4.34	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	106320	4.420 ug/L	100
3) Chloromethane	1.25	50	105955	4.577 ug/L	98
5) Vinyl chloride	1.32	62	105452	4.408 ug/L	97
6) Bromomethane	1.54	94	32604	6.279 ug/L	96
8) Chloroethane	1.60	64	62625	4.314 ug/L	98
9) Trichlorofluoromethane	1.77	101	139204	4.573 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	87921	4.813 ug/L	98
12) 1,1-Dichloroethene	2.14	96	78415	4.421 ug/L	97
13) Acetone	2.22	43	118840	50.338 ug/L	97
14) Carbon disulfide	2.32	76	241372	4.122 ug/L	99
15) Methyl Acetate	2.47	43	30775	4.632 ug/L	96
16) Methylene chloride	2.54	84	84576	3.955 ug/L	97
17) Methyl tert-butyl Ether	2.82	73	191666	4.507 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	86713	4.566 ug/L	100
19) 1,1-Dichloroethane	3.23	63	150177	4.380 ug/L	98
21) 2-Butanone	4.06	43	240522	46.923 ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	93748	4.350 ug/L	96

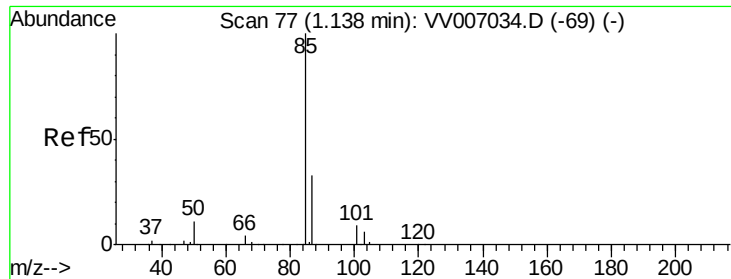
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081718\
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Aug 17 01:13:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	41586	4.734	ug/L	88
25) Chloroform	4.43	83	172610	4.601	ug/L	97
27) 1,2-Dichloroethane	5.19	62	101702	4.347	ug/L	97
29) 1,1,1-Trichloroethane	4.66	97	143246	4.445	ug/L	98
30) Cyclohexane	4.72	56	136592	4.072	ug/L	99
31) Carbon tetrachloride	4.87	117	124668	4.613	ug/L	99
33) Benzene	5.15	78	380542	4.545	ug/L	100
34) Trichloroethene	5.96	95	90041	4.485	ug/L	94
35) Methylcyclohexane	6.18	83	139439	4.326	ug/L	99
37) 1,2-Dichloropropane	6.23	63	100509	4.386	ug/L	100
38) Bromodichloromethane	6.56	83	117639	4.518	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	119449	4.314	ug/L	99
40) 4-Methyl-2-pentanone	7.29	43	535662	43.271	ug/L	98
42) Toluene	7.43	91	381726	4.745	ug/L	98
44) trans-1,3-Dichloropropene	7.70	75	102799	4.524	ug/L	98
45) 1,1,2-Trichloroethane	7.89	97	67466	4.525	ug/L	96
47) Tetrachloroethene	8.02	164	76558	4.703	ug/L	96
48) 2-Hexanone	8.20	43	406428	46.550	ug/L	97
49) Dibromochloromethane	8.30	129	73506	4.700	ug/L	97
50) 1,2-Dibromoethane	8.40	107	58720	4.663	ug/L	96
51) Chlorobenzene	8.93	112	236123	4.604	ug/L	98
52) Ethylbenzene	9.06	91	364222	4.534	ug/L	99
53) m,p-xylene	9.19	106	136910	4.572	ug/L	96
54) o-xylene	9.59	106	127726	4.501	ug/L	97
55) Styrene	9.61	104	224814	4.700	ug/L	97
56) Isopropylbenzene	9.98	105	346666	4.656	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	81633	4.505	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	58233	4.540	ug/L	100
61) Bromoform	9.78	173	40078	4.858	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	165775	4.704	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	170778	4.728	ug/L	98
65) 1,2-Dichlorobenzene	11.70	146	165588	4.777	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	10059	4.087	ug/L	95
67) 1,3,5-Trichlorobenzene	12.70	180	129955	4.872	ug/L	97
68) 1,2,4-trichlorobenzene	13.32	180	88537	4.523	ug/L	99
69) Naphthalene	13.56	128	112938	4.017	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	86416	4.580	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.420 ug/L

RT: 1.14 min Scan# 78

Delta R.T. 0.00 min

Lab File: VV007045.D

Acq: 17 Aug 2018 10:26

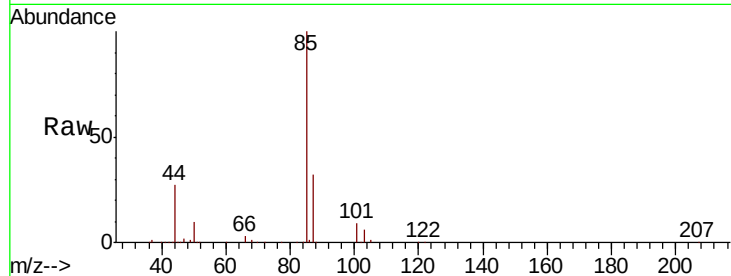
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 106320

Ion Ratio Lower Upper

85 100

87 31.6 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VV007034.D (-69) (-)

Ion 87.00 (86.70 to 87.70): VV007034.D (-69) (-)

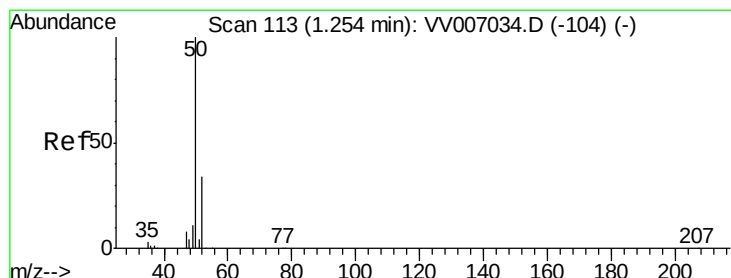
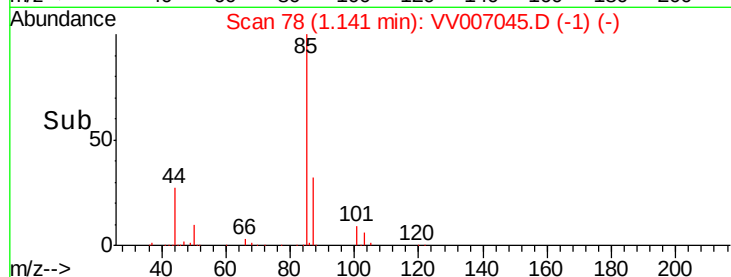
1.14

100000

50000

0

Time-->



#3

Chloromethane

Concen: 4.577 ug/L

RT: 1.25 min Scan# 113

Delta R.T. 0.00 min

Lab File: VV007045.D

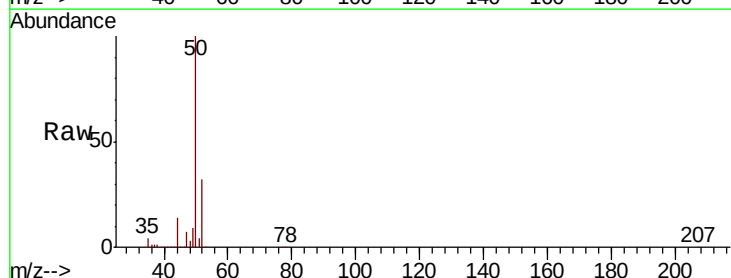
Acq: 17 Aug 2018 10:26

Tgt Ion: 50 Resp: 105955

Ion Ratio Lower Upper

50 100

52 32.4 23.6 43.8



Abundance Ion 50.05 (49.75 to 50.75): VV007034.D (-104) (-)

Ion 52.05 (51.75 to 52.75): VV007034.D (-104) (-)

1.25

120000

100000

80000

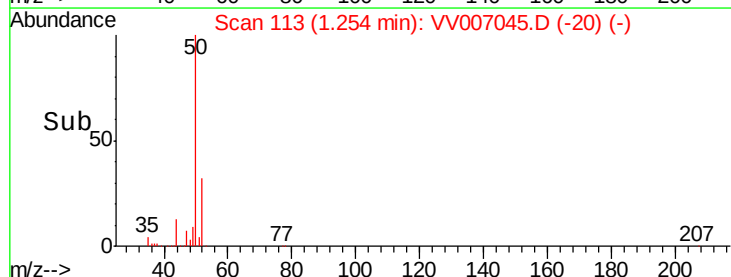
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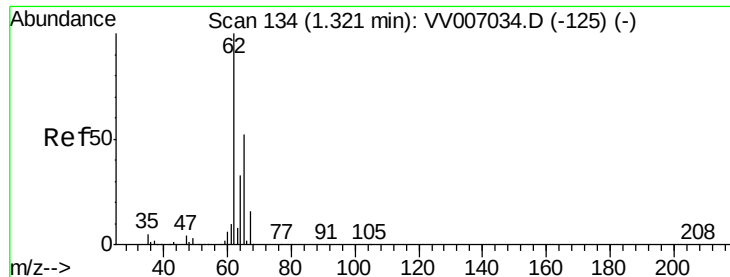
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 4.408 ug/L

RT: 1.32 min Scan# 134

Delta R.T. 0.00 min

Lab File: VV007045.D

Acq: 17 Aug 2018 10:26

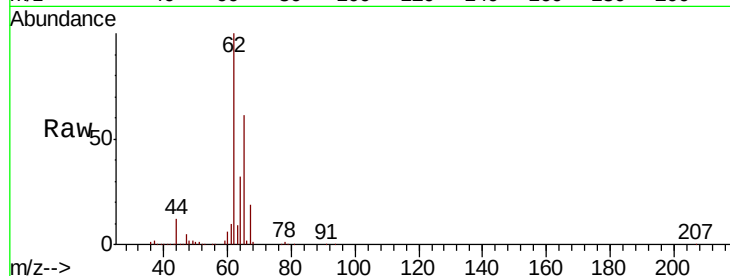
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 105452

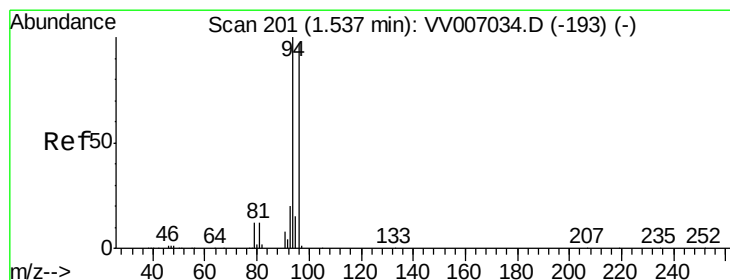
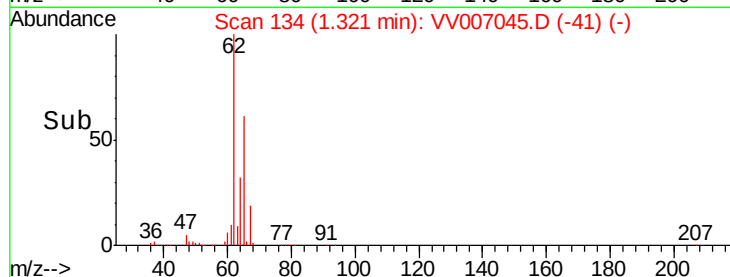
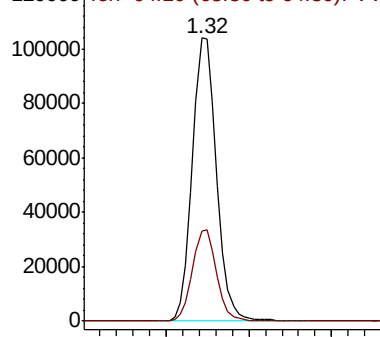
Ion Ratio Lower Upper

62 100

64 32.0 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VV0
Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 6.279 ug/L

RT: 1.54 min Scan# 201

Delta R.T. 0.00 min

Lab File: VV007045.D

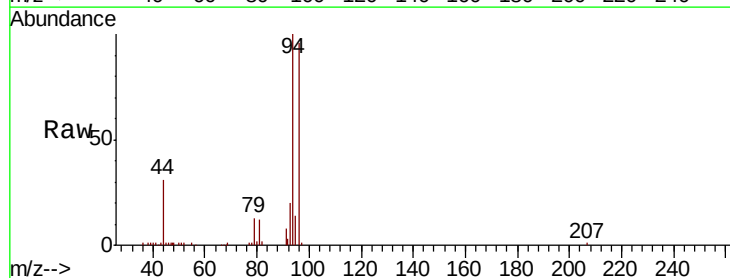
Acq: 17 Aug 2018 10:26

Tgt Ion: 94 Resp: 32604

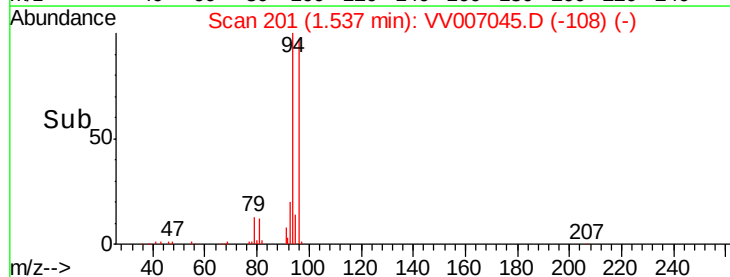
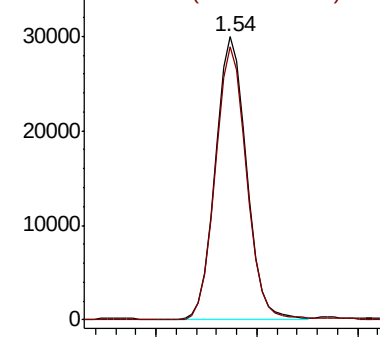
Ion Ratio Lower Upper

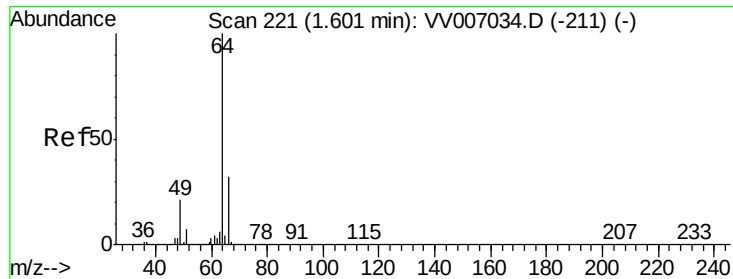
94 100

96 96.3 65.0 120.6



Abundance Ion 94.00 (93.70 to 94.70): VV0
Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 4.314 ug/L

RT: 1.60 min Scan# 221

Delta R.T. 0.00 min

Lab File: VV007045.D

Acq: 17 Aug 2018 10:26

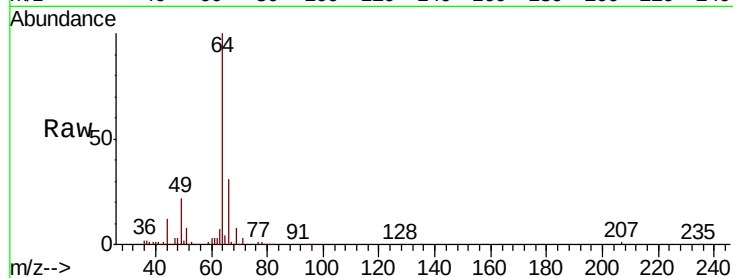
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 62625

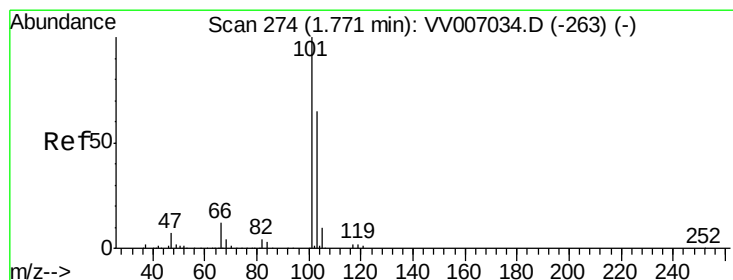
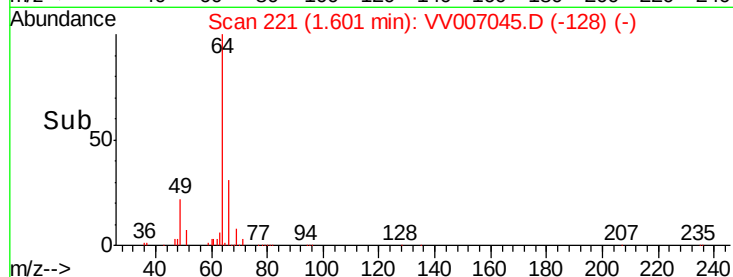
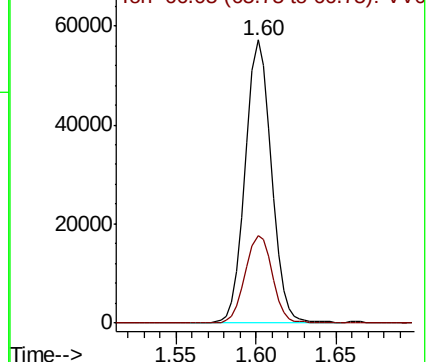
Ion Ratio Lower Upper

64 100

66 30.9 22.6 42.0



Abundance Ion 64.10 (63.80 to 64.80): VV007034.D (-211) (-)



#9

Trichlorofluoromethane

Concen: 4.573 ug/L

RT: 1.77 min Scan# 274

Delta R.T. 0.00 min

Lab File: VV007045.D

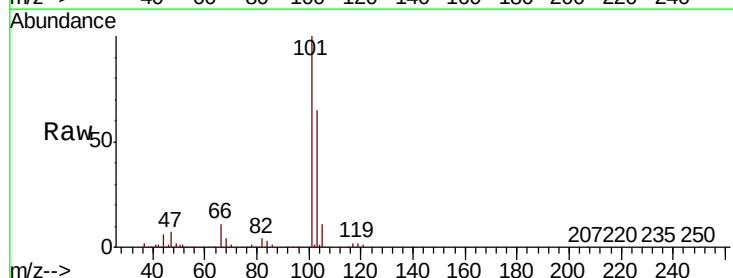
Acq: 17 Aug 2018 10:26

Tgt Ion:101 Resp: 139204

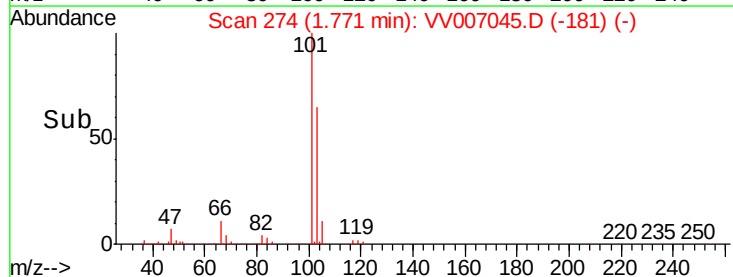
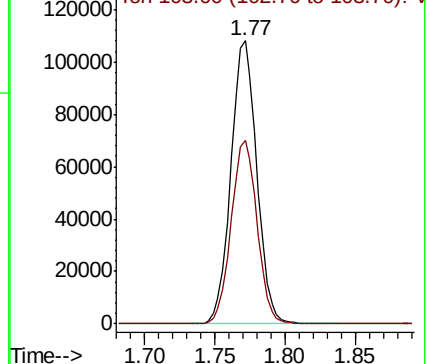
Ion Ratio Lower Upper

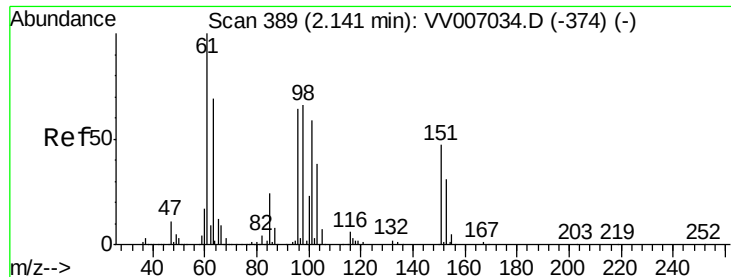
101 100

103 65.1 52.7 79.1



Abundance Ion 101.00 (100.70 to 101.70): VV007034.D (-263) (-)





#10

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

Concen: 4.813 ug/L

RT: 2.14 min Scan# 389

Delta R.T. 0.00 min

Lab File: VV007045.D

Acq: 17 Aug 2018 10:26

Instrument :

MSVOA_V

ClientSampleId :

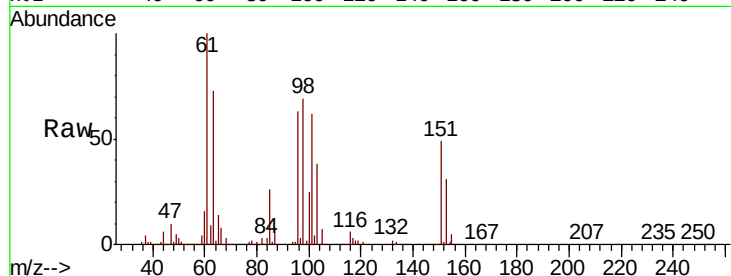
Tot Ion:101 Resp: 87921

Ion Ratio Lower Upper

101 100

85 41.5 33.9 50.9

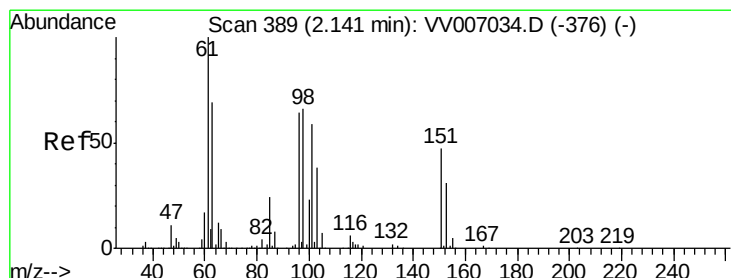
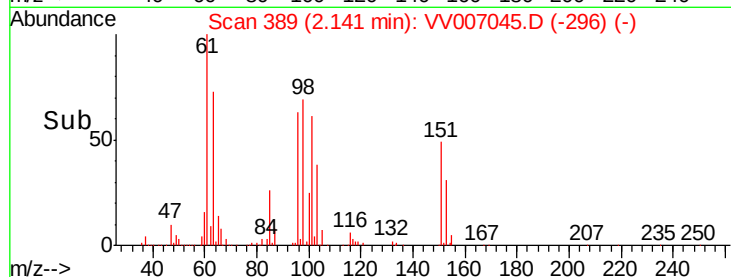
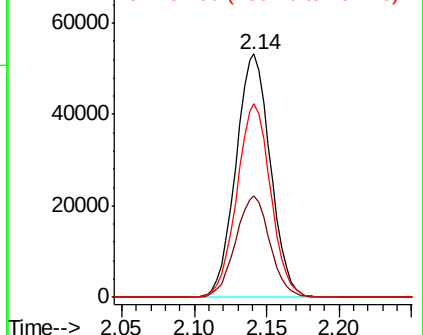
151 78.3 64.1 96.1



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: 4.421 ug/L

RT: 2.14 min Scan# 389

Delta R.T. 0.00 min

Lab File: VV007045.D

Acq: 17 Aug 2018 10:26

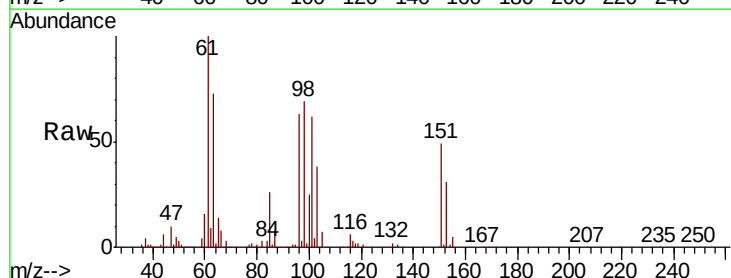
Tgt Ion: 96 Resp: 78415

Ion Ratio Lower Upper

96 100

61 158.5 111.6 207.4

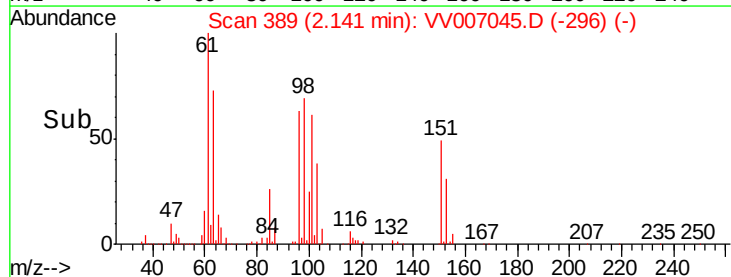
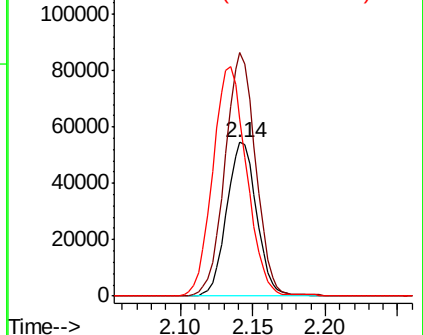
63 115.5 84.9 157.7

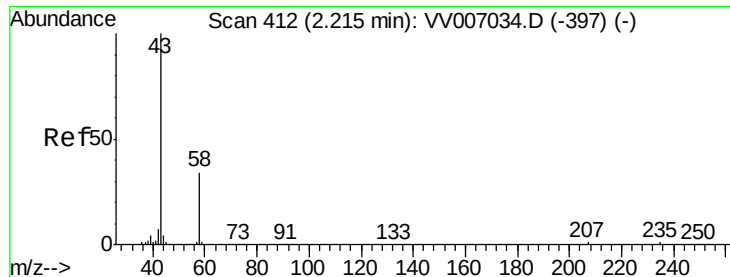


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 50.338 ug/L

RT: 2.22 min Scan# 413

Delta R.T. 0.01 min

Lab File: VV007045.D

Acq: 17 Aug 2018 10:26

Instrument :

MSVOA_V

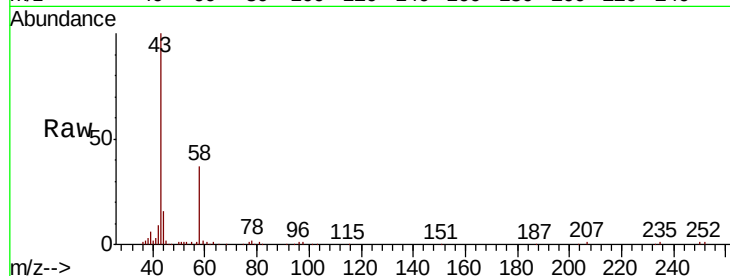
ClientSampleId :

Tot Ion: 43 Resp: 118840

Ion Ratio Lower Upper

43 100

58 37.5 0.0 71.4



Abundance Ion 43.05 (42.75 to 43.75): VV007034.D (-397) (-)

Ion 58.05 (57.75 to 58.75): VV007034.D (-397) (-)

2.22

40000

30000

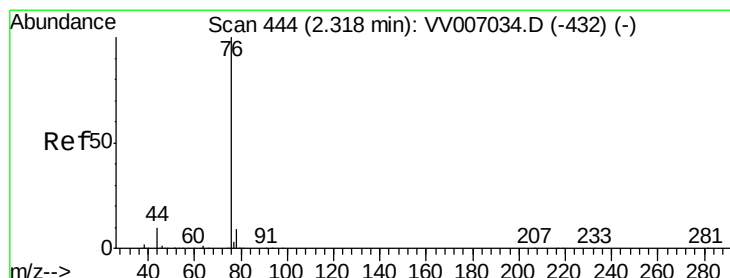
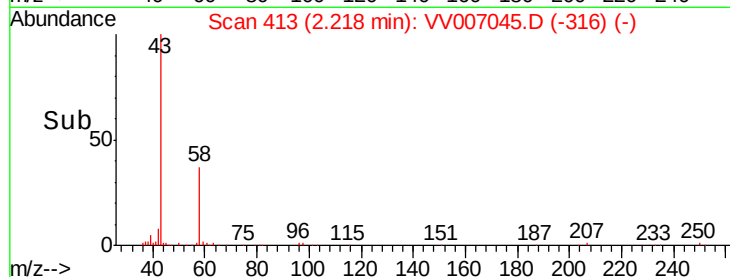
20000

10000

0

Time-->

2.10 2.20 2.30 2.40



#14

Carbon disulfide

Concen: 4.122 ug/L

RT: 2.32 min Scan# 444

Delta R.T. 0.00 min

Lab File: VV007045.D

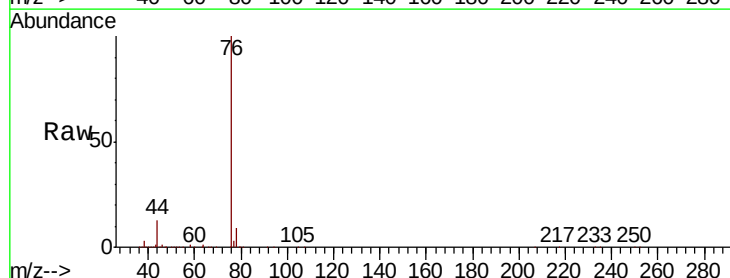
Acq: 17 Aug 2018 10:26

Tgt Ion: 76 Resp: 241372

Ion Ratio Lower Upper

76 100

78 9.0 7.6 11.4



Abundance Ion 76.05 (75.75 to 76.75): VV007034.D (-432) (-)

Ion 78.00 (77.70 to 78.70): VV007034.D (-432) (-)

2.32

200000

150000

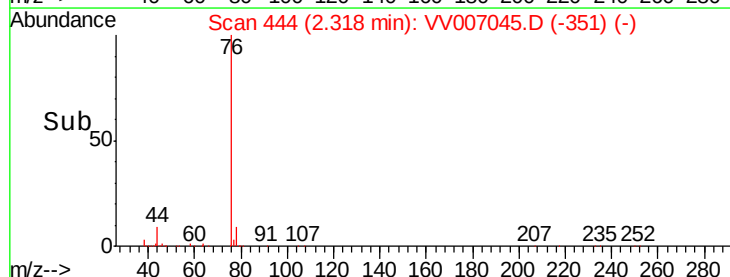
100000

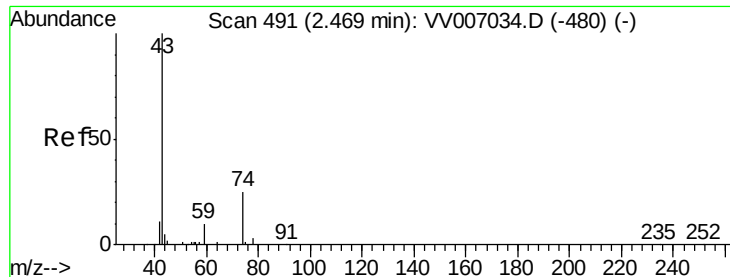
50000

0

Time-->

2.25 2.30 2.35 2.40

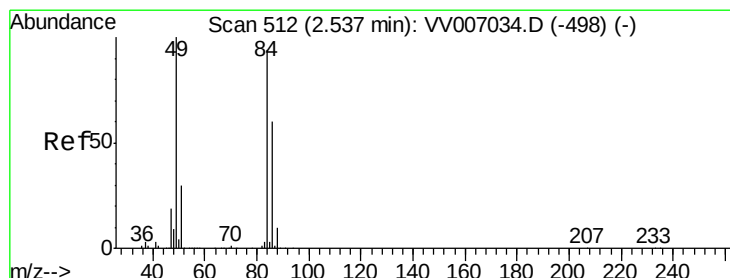
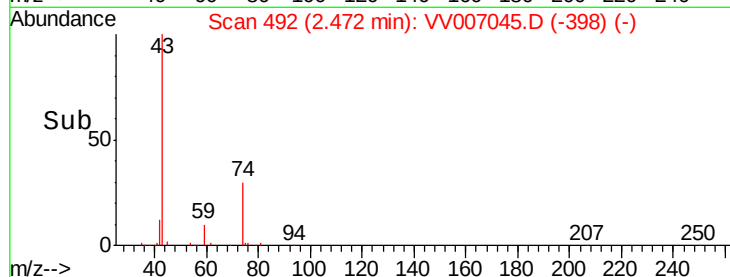
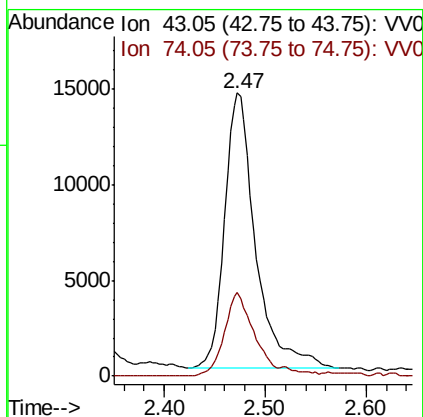
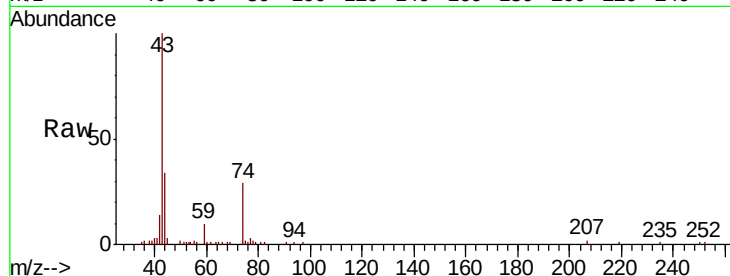




#15
Methyl Acetate
Concen: 4.632 ug/L
RT: 2.47 min Scan# 492
Delta R.T. 0.00 min
Lab File: VV007045.D
Acq: 17 Aug 2018 10:26

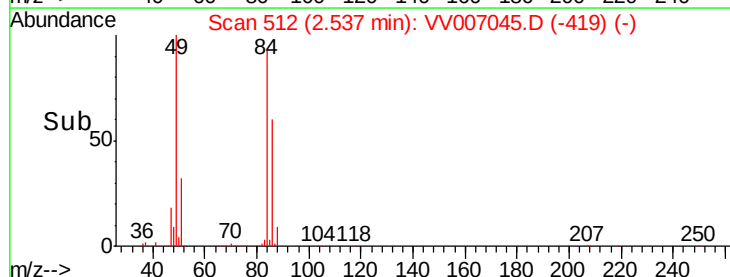
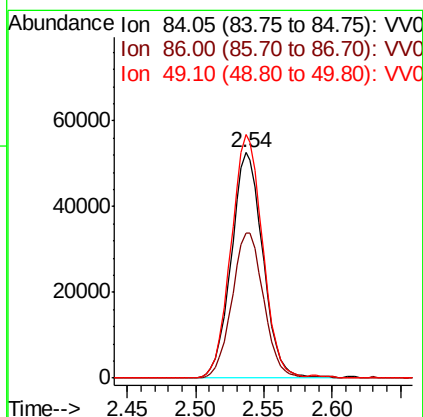
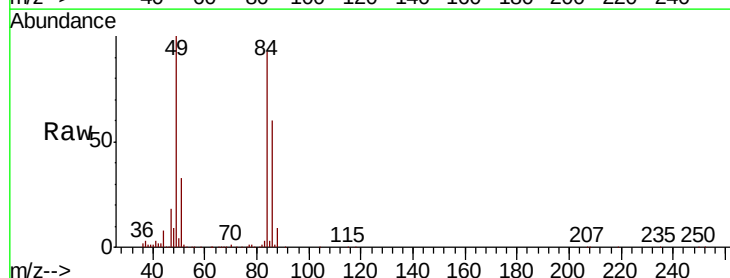
Instrument :
MSVOA_V
ClientSampleId :

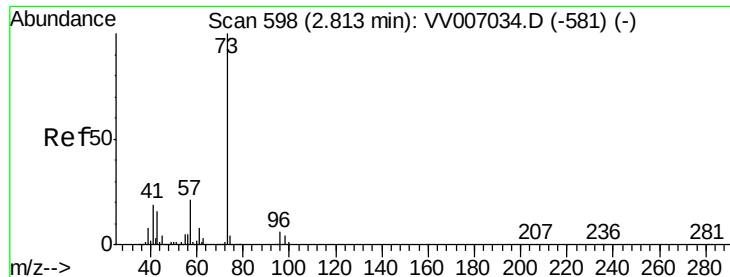
Tot Ion: 43 Resp: 30775
Ion Ratio Lower Upper
43 100
74 28.7 24.6 37.0



#16
Methylene chloride
Concen: 3.955 ug/L
RT: 2.54 min Scan# 512
Delta R.T. 0.00 min
Lab File: VV007045.D
Acq: 17 Aug 2018 10:26

Tgt Ion: 84 Resp: 84576
Ion Ratio Lower Upper
84 100
86 64.4 45.7 84.9
49 108.1 78.8 146.4





#17

Methyl tert-butyl Ether

Concen: 4.507 ug/L

RT: 2.82 min Scan# 599

Delta R.T. 0.00 min

Lab File: VV007045.D

Acq: 17 Aug 2018 10:26

Instrument :

MSVOA_V

ClientSampleId :

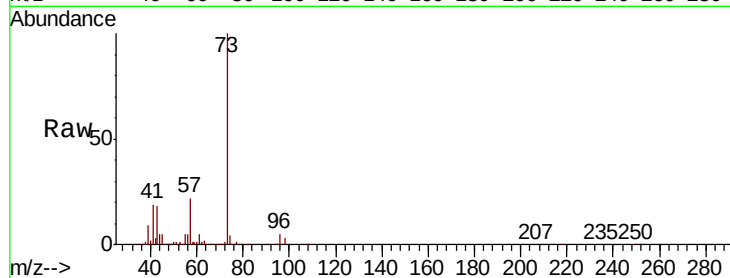
Tot Ion: 73 Resp: 191666

Ion Ratio Lower Upper

73 100

43 17.9 14.4 21.6

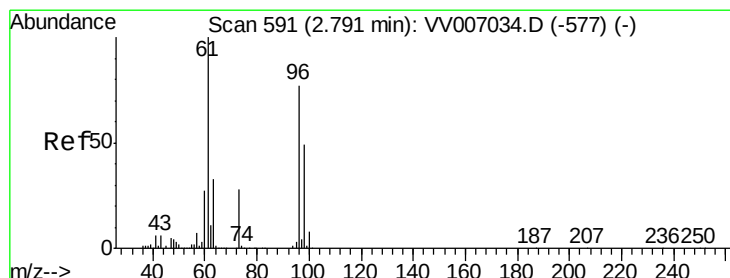
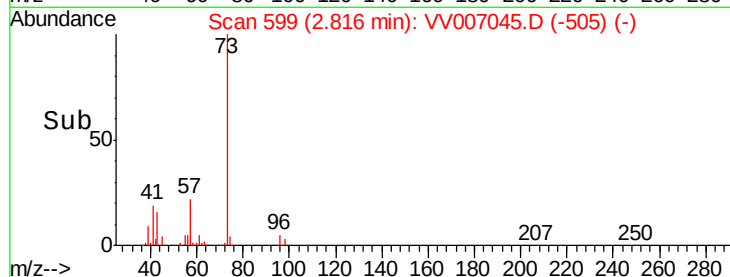
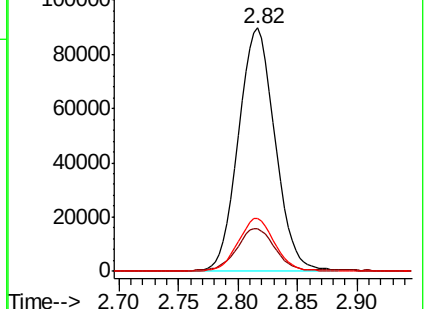
57 21.9 17.9 26.9



Abundance Ion 73.10 (72.80 to 73.80): VV007034.D (-581) (-)

Ion 43.05 (42.75 to 43.75): VV007034.D (-581) (-)

Ion 57.10 (56.80 to 57.80): VV007034.D (-581) (-)



#18

trans-1,2-Dichloroethene

Concen: 4.566 ug/L

RT: 2.79 min Scan# 591

Delta R.T. 0.00 min

Lab File: VV007045.D

Acq: 17 Aug 2018 10:26

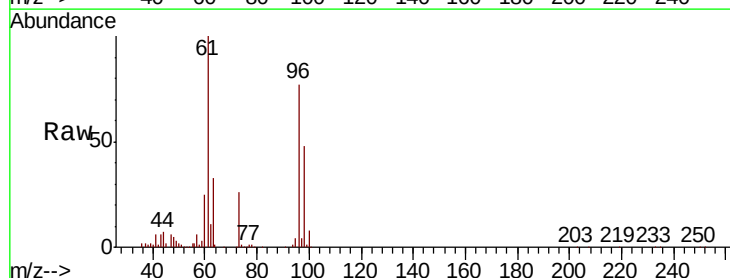
Tgt Ion: 96 Resp: 86713

Ion Ratio Lower Upper

96 100

61 129.9 91.1 169.3

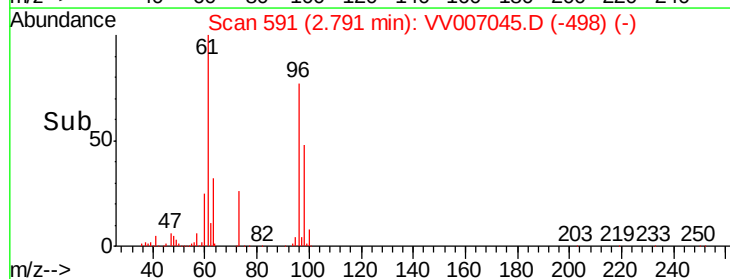
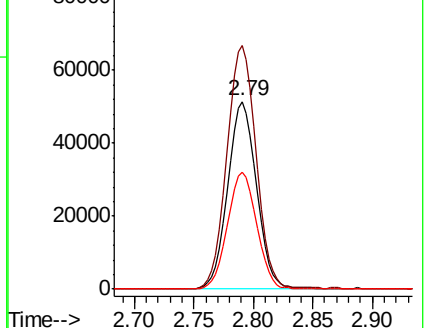
98 62.4 43.5 80.9

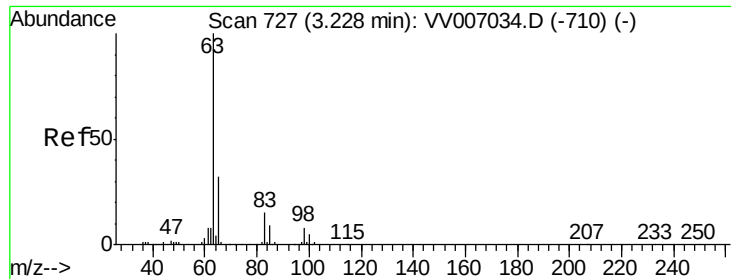


Abundance Ion 96.00 (95.70 to 96.70): VV007034.D (-577) (-)

Ion 61.05 (60.75 to 61.75): VV007034.D (-577) (-)

Ion 97.95 (97.65 to 98.65): VV007034.D (-577) (-)

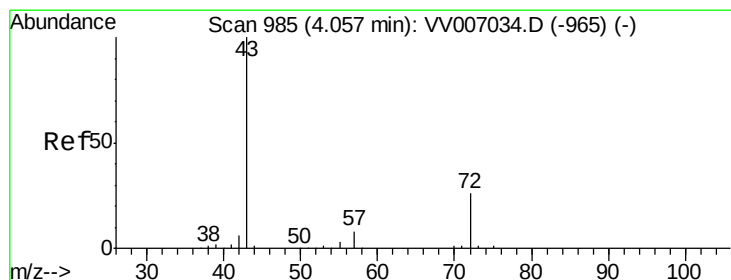
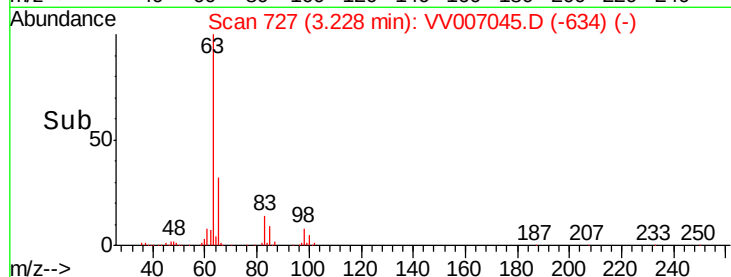
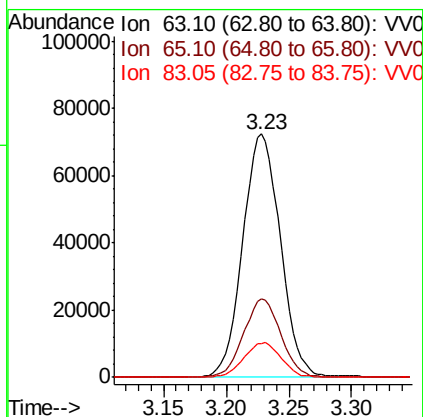
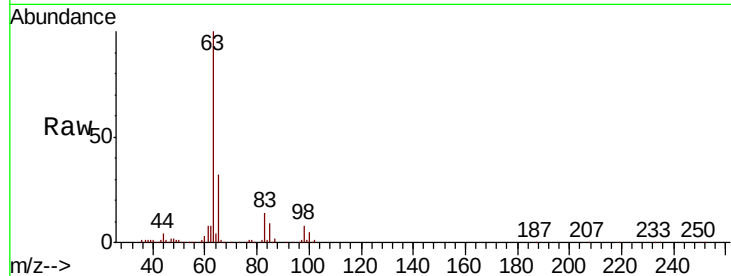




#19
 1,1-Dichloroethane
 Concen: 4.380 ug/L
 RT: 3.23 min Scan# 727
 Delta R.T. 0.00 min
 Lab File: VV007045.D
 Acq: 17 Aug 2018 10:26

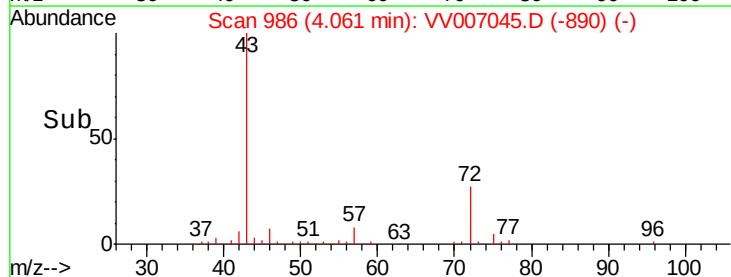
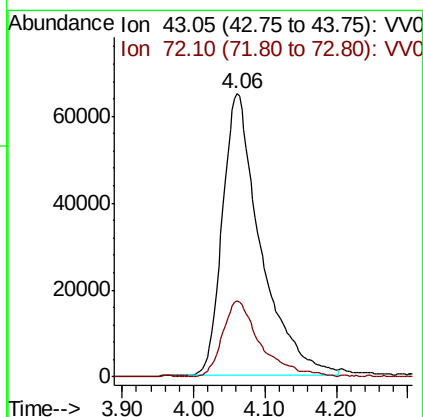
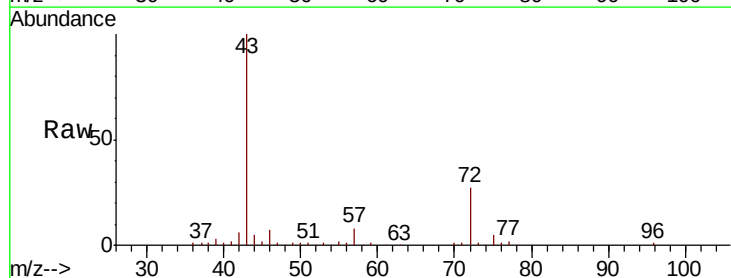
Instrument :
 MSVOA_V
 ClientSampleId :

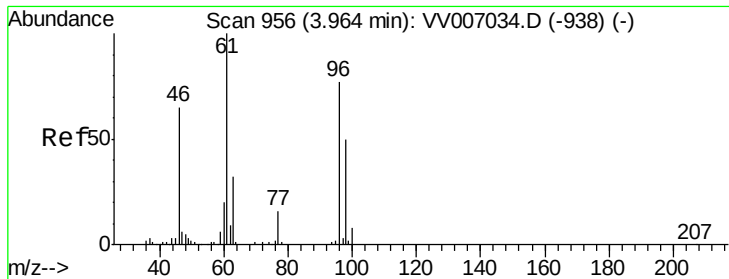
Tot Ion: 63 Resp: 150177
 Ion Ratio Lower Upper
 63 100
 65 32.3 21.7 40.3
 83 14.1 10.0 18.6



#21
 2-Butanone
 Concen: 46.923 ug/L
 RT: 4.06 min Scan# 986
 Delta R.T. 0.01 min
 Lab File: VV007045.D
 Acq: 17 Aug 2018 10:26

Tgt Ion: 43 Resp: 240522
 Ion Ratio Lower Upper
 43 100
 72 25.8 12.4 37.2



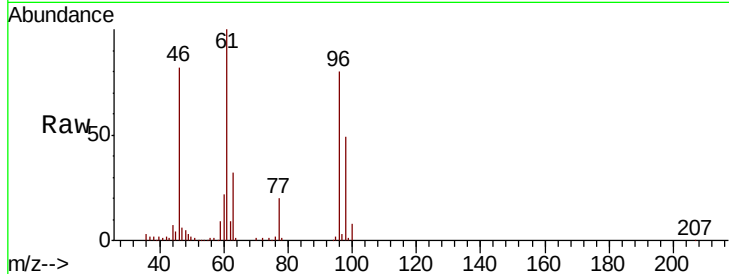


#22

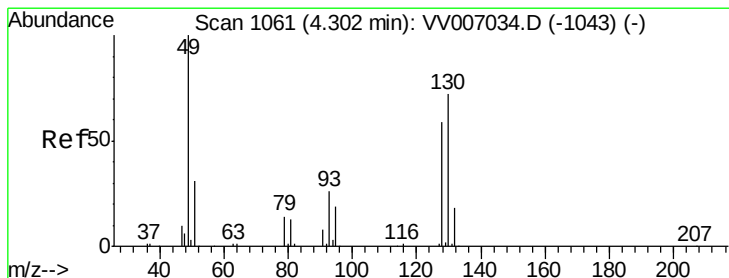
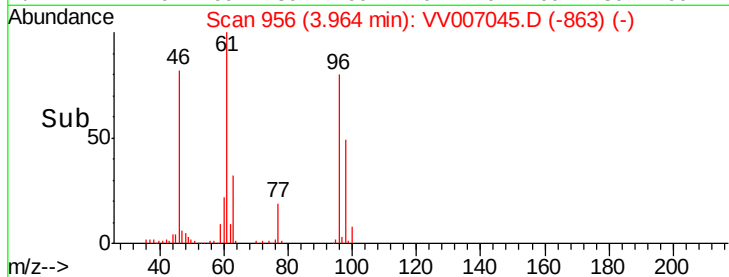
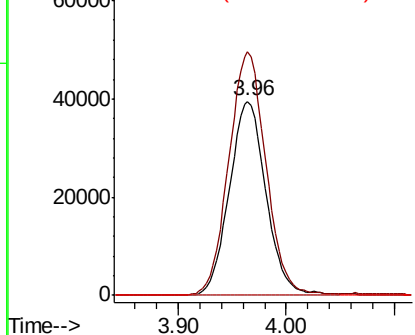
cis-1,2-Dichloroethene
Concen: 4.350 ug/L
RT: 3.96 min Scan# 956
Delta R.T. 0.00 min
Lab File: VV007045.D
Acq: 17 Aug 2018 10:26

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 96 Resp: 93748
Ion Ratio Lower Upper
96 100
61 125.5 91.1 169.1
68 0.0 0.0 0.0



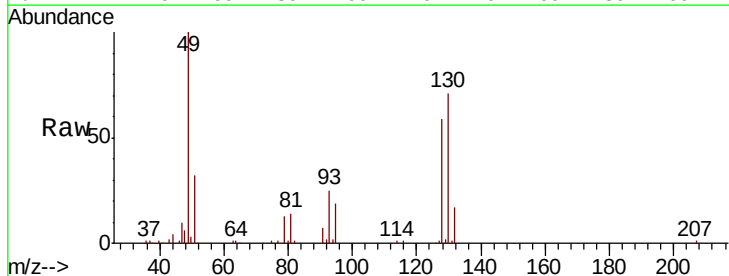
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



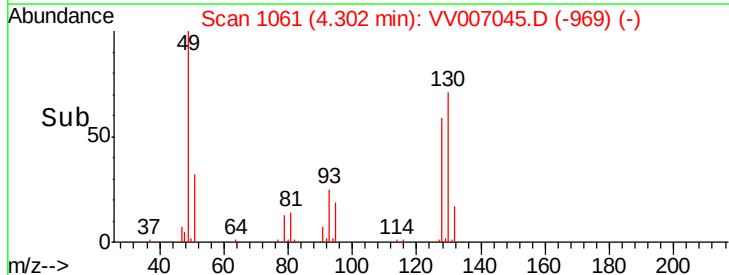
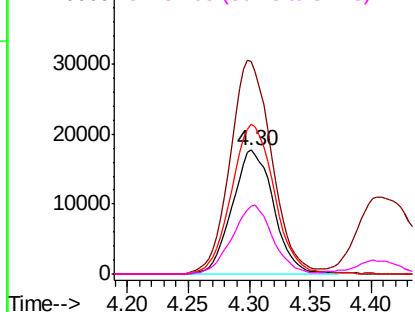
#23

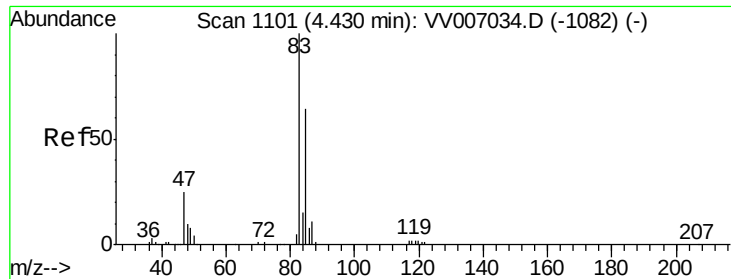
Bromochloromethane
Concen: 4.734 ug/L
RT: 4.30 min Scan# 1061
Delta R.T. -0.00 min
Lab File: VV007045.D
Acq: 17 Aug 2018 10:26

Tgt Ion: 128 Resp: 41586
Ion Ratio Lower Upper
128 100
49 170.8 138.6 257.4
130 120.9 90.0 167.2
51 55.0 46.9 70.3



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

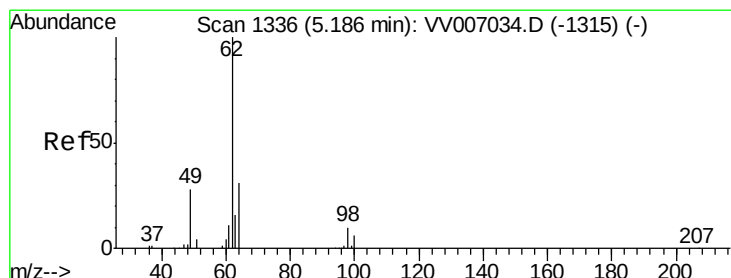
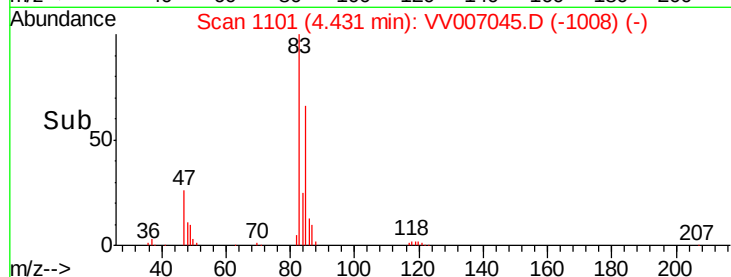
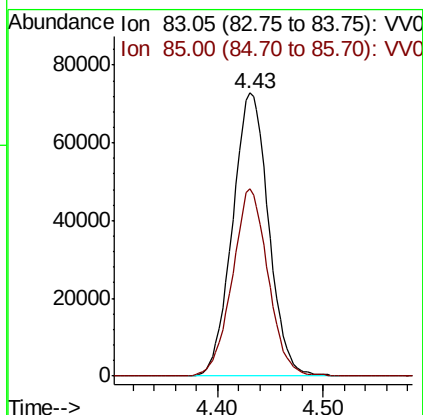
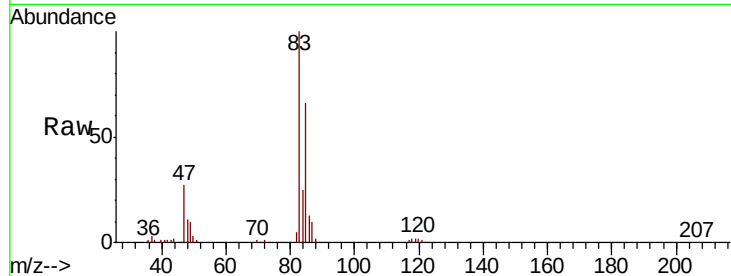




#25
Chloroform
Concen: 4.601 ug/L
RT: 4.43 min Scan# 1101
Delta R.T. 0.00 min
Lab File: VV007045.D
Acq: 17 Aug 2018 10:26

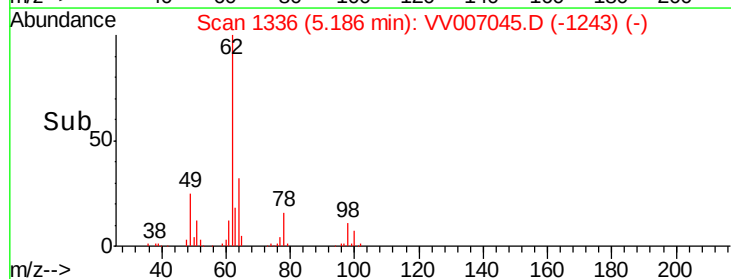
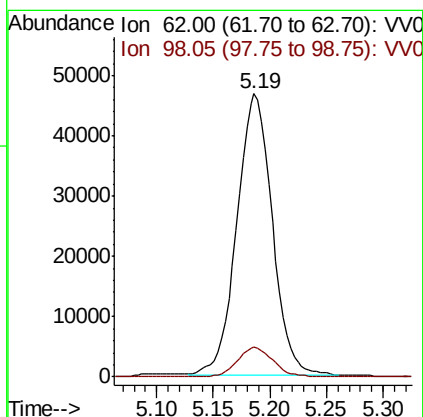
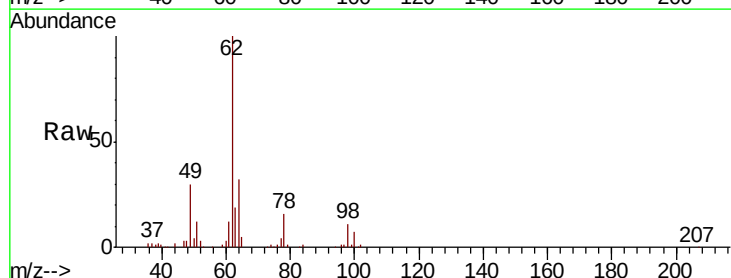
Instrument :
MSVOA_V
ClientSampleId :

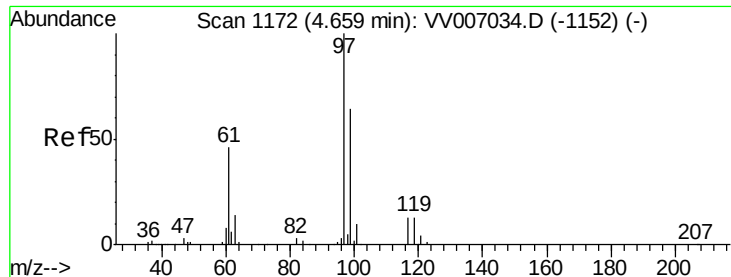
Tot Ion: 83 Resp: 172610
Ion Ratio Lower Upper
83 100
85 66.1 44.7 82.9



#27
1,2-Dichloroethane
Concen: 4.347 ug/L
RT: 5.19 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VV007045.D
Acq: 17 Aug 2018 10:26

Tgt Ion: 62 Resp: 101702
Ion Ratio Lower Upper
62 100
98 10.5 7.6 11.4

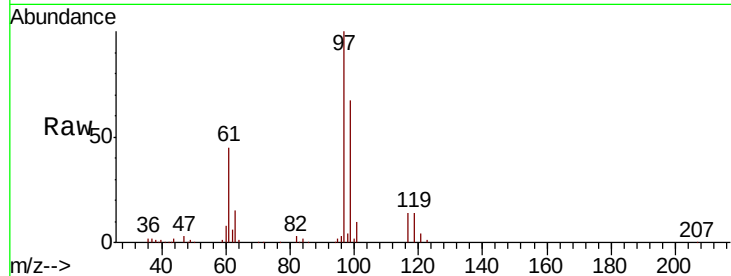




#29
 1,1,1-Trichloroethane
 Concen: 4.445 ug/L
 RT: 4.66 min Scan# 1172
 Delta R.T. -0.00 min
 Lab File: VV007045.D
 Acq: 17 Aug 2018 10:26

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
97	100		
99	65.4	51.0	76.6
61	44.9	36.6	54.8

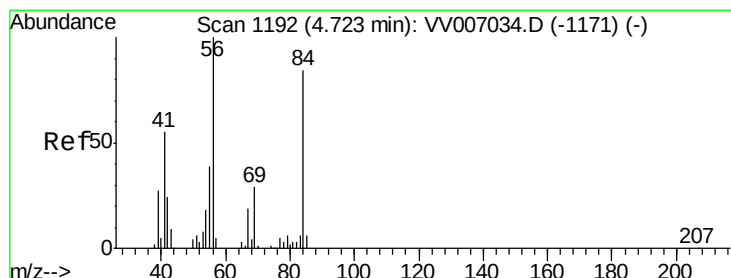
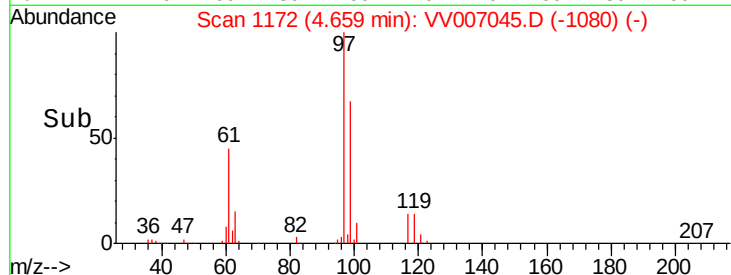
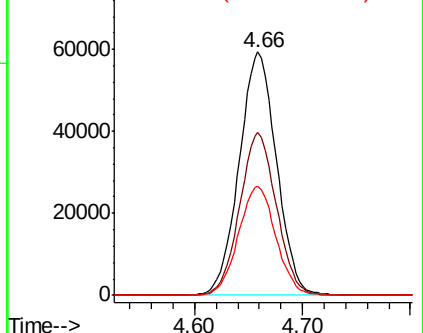


Abundance

Ion 96.95 (96.65 to 97.65): VV0

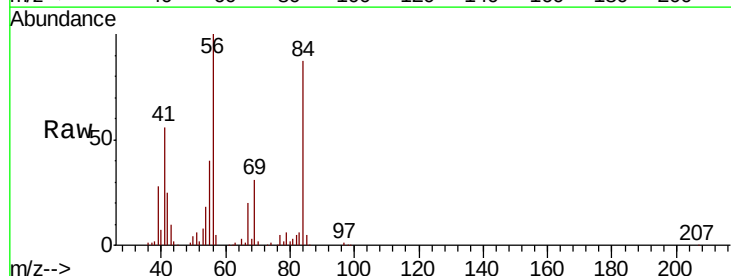
Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0



#30
 Cyclohexane
 Concen: 4.072 ug/L
 RT: 4.72 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: VV007045.D
 Acq: 17 Aug 2018 10:26

Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.5	23.8	35.6
84	85.2	67.9	101.9

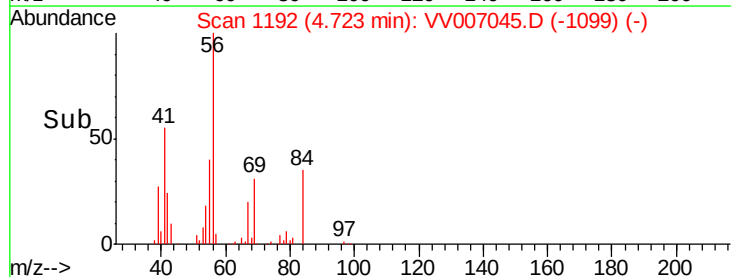
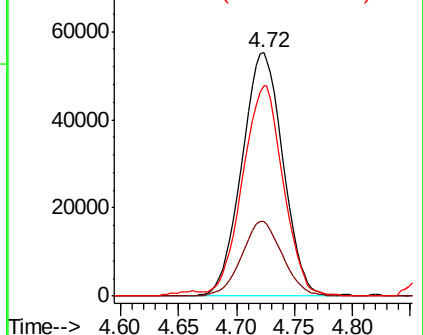


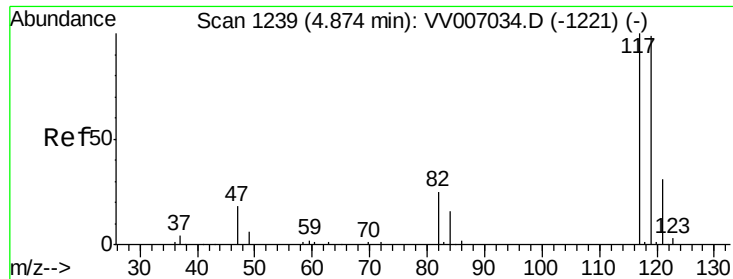
Abundance

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: 4.613 ug/L

RT: 4.87 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VV007045.D

Acq: 17 Aug 2018 10:26

Instrument :

MSVOA_V

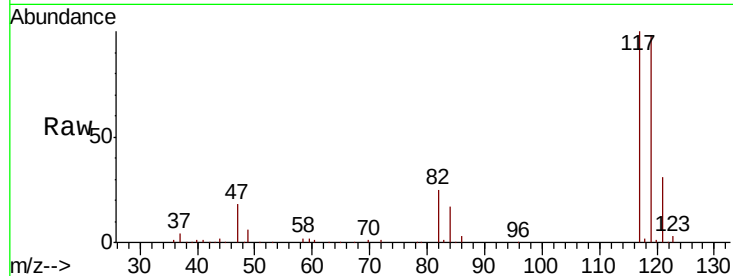
ClientSampleId :

Tot Ion:117 Resp: 124668

Ion Ratio Lower Upper

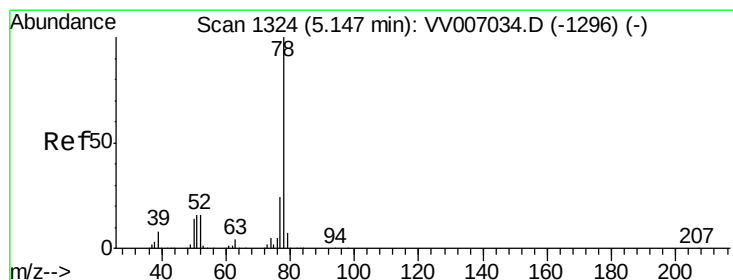
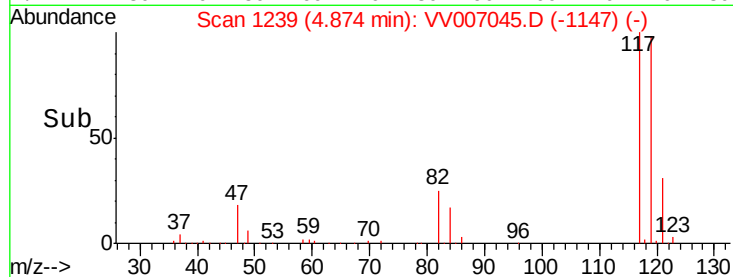
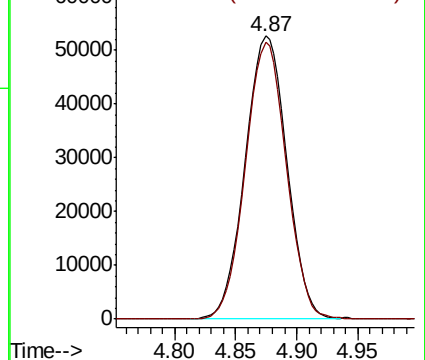
117 100

119 95.9 76.2 114.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.545 ug/L

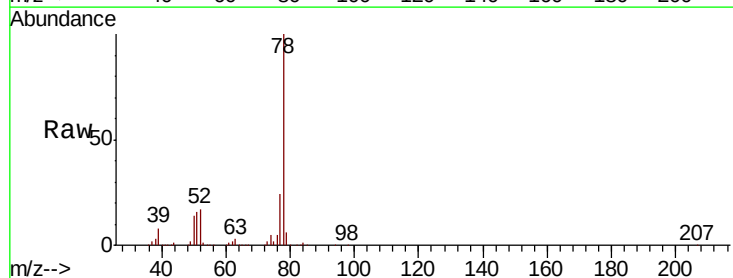
RT: 5.15 min Scan# 1325

Delta R.T. 0.00 min

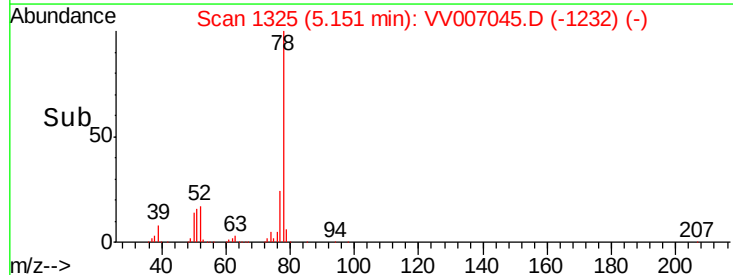
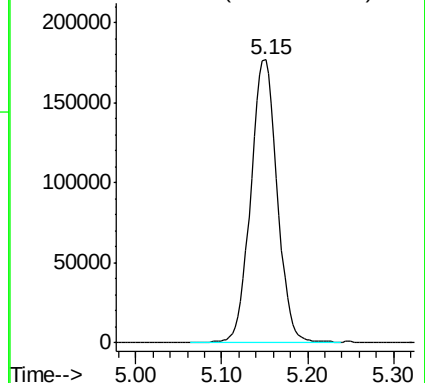
Lab File: VV007045.D

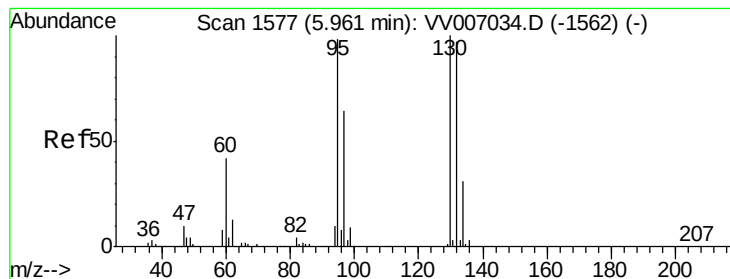
Acq: 17 Aug 2018 10:26

Tgt Ion: 78 Resp: 380542



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.485 ug/L

RT: 5.96 min Scan# 1577

Delta R.T. 0.00 min

Lab File: VV007045.D

Acq: 17 Aug 2018 10:26

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 90041

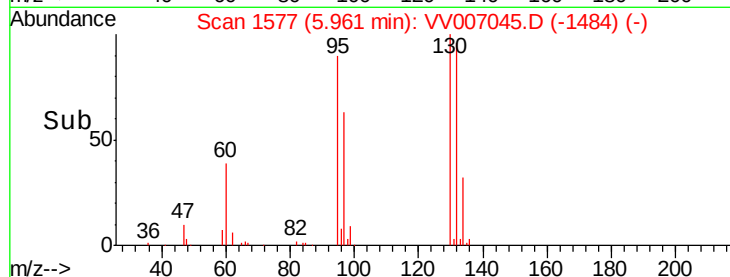
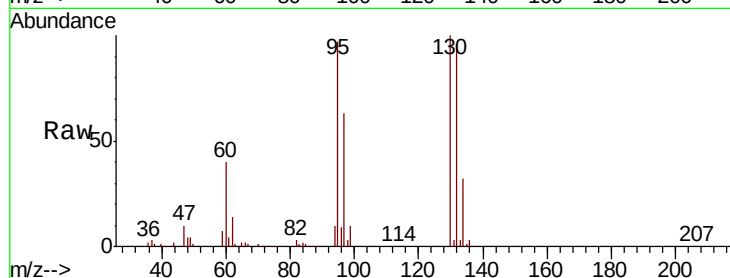
Ion Ratio Lower Upper

95 100

97 65.5 44.8 83.2

132 99.6 65.5 121.6

130 103.3 66.4 123.4

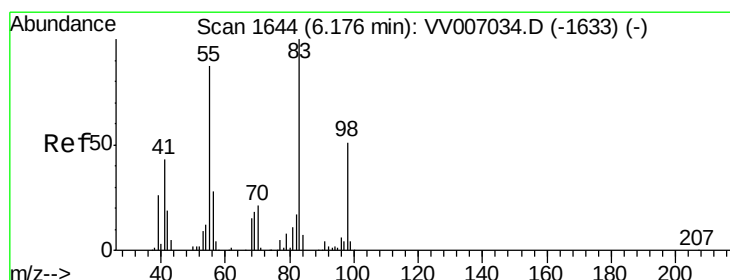
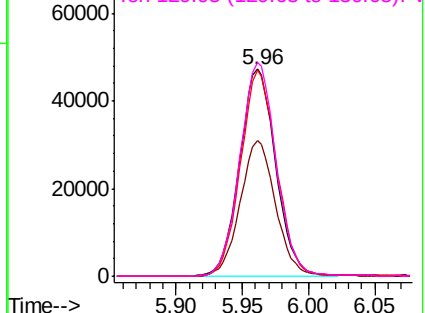


Abundance Ion 95.00 (94.70 to 95.70): VV007045.D (-1484) (-)

Ion 96.95 (96.65 to 97.65): VV007045.D (-1484) (-)

Ion 131.95 (131.65 to 132.65): VV007045.D (-1484) (-)

Ion 129.95 (129.65 to 130.65): VV007045.D (-1484) (-)



#35

Methylcyclohexane

Concen: 4.326 ug/L

RT: 6.18 min Scan# 1644

Delta R.T. 0.00 min

Lab File: VV007045.D

Acq: 17 Aug 2018 10:26

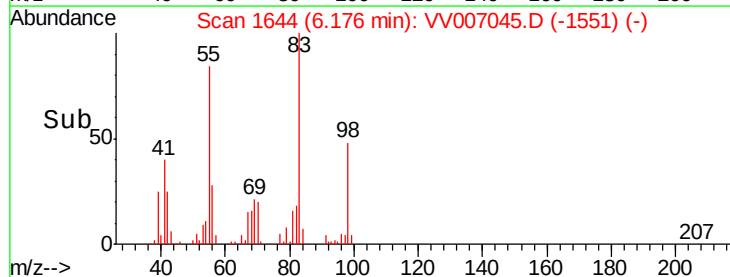
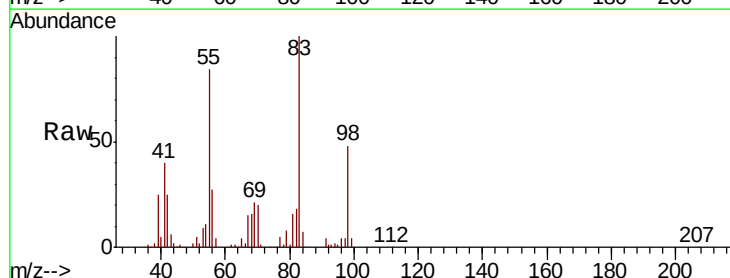
Tgt Ion: 83 Resp: 139439

Ion Ratio Lower Upper

83 100

55 83.7 68.1 102.1

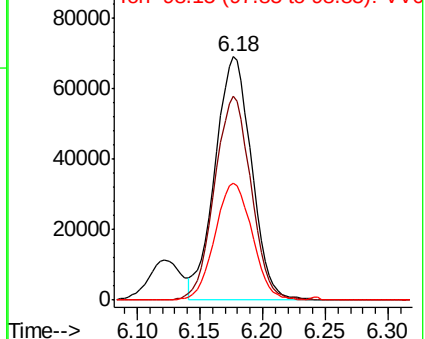
98 48.3 37.9 56.9

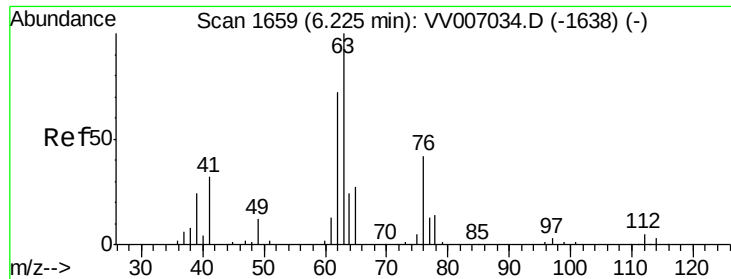


Abundance Ion 83.15 (82.85 to 83.85): VV007045.D (-1551) (-)

Ion 55.10 (54.80 to 55.80): VV007045.D (-1551) (-)

Ion 98.15 (97.85 to 98.85): VV007045.D (-1551) (-)

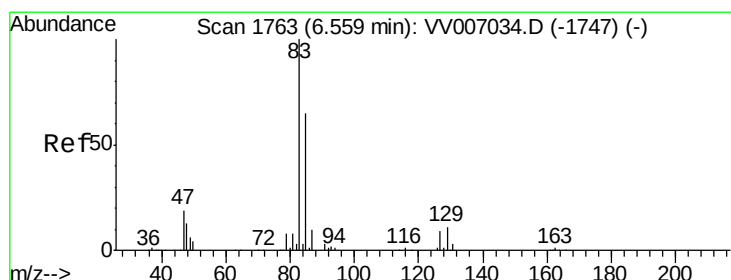
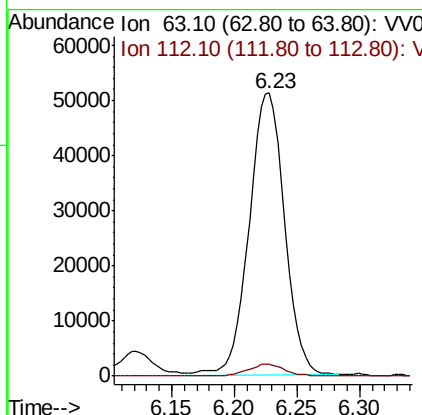
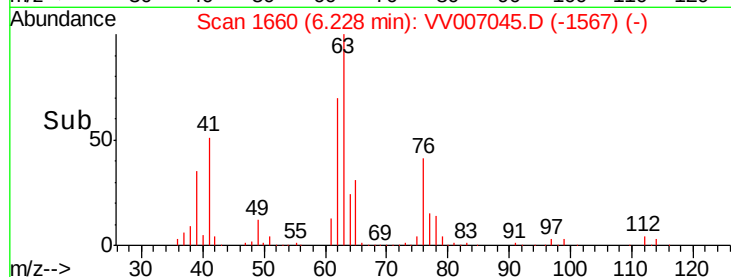
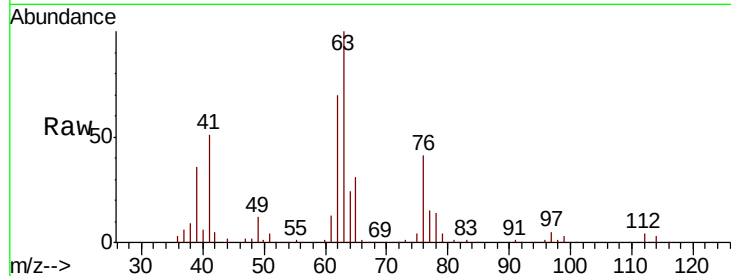




#37
 1,2-Dichloropropane
 Concen: 4.386 ug/L
 RT: 6.23 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VV007045.D
 Acq: 17 Aug 2018 10:26

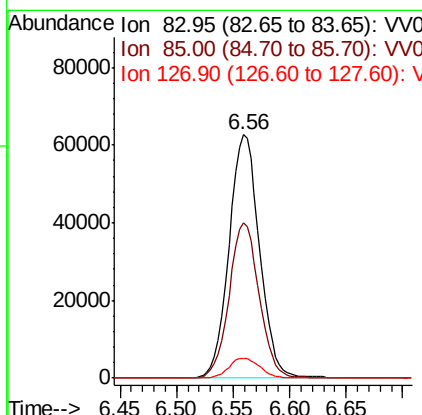
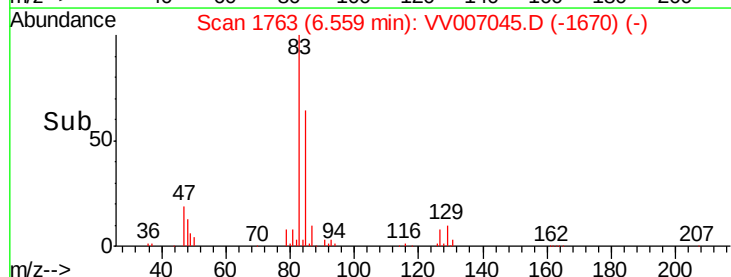
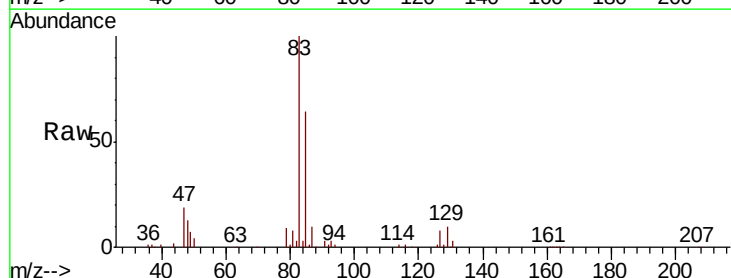
Instrument :
 MSVOA_V
 ClientSampled :

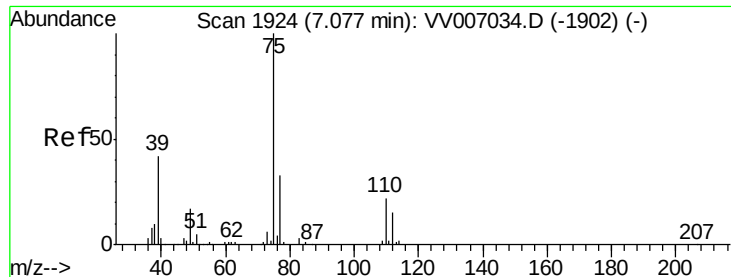
Tot Ion: 63 Resp: 100509
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.5 5.3



#38
 Bromodichloromethane
 Concen: 4.518 ug/L
 RT: 6.56 min Scan# 1763
 Delta R.T. 0.00 min
 Lab File: VV007045.D
 Acq: 17 Aug 2018 10:26

Tgt Ion: 83 Resp: 117639
 Ion Ratio Lower Upper
 83 100
 85 63.9 43.8 81.4
 127 8.3 6.6 10.0

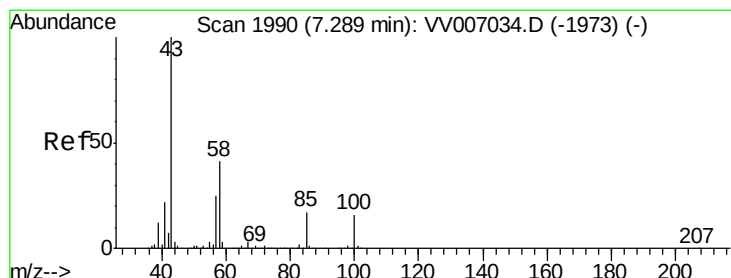
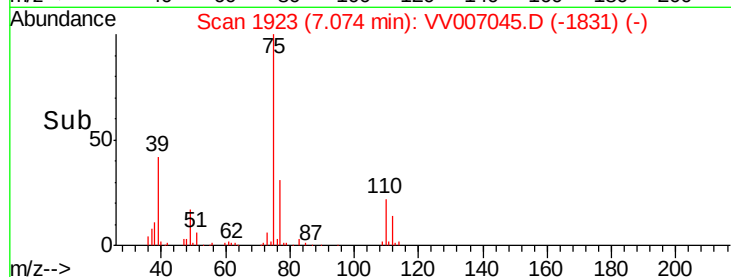
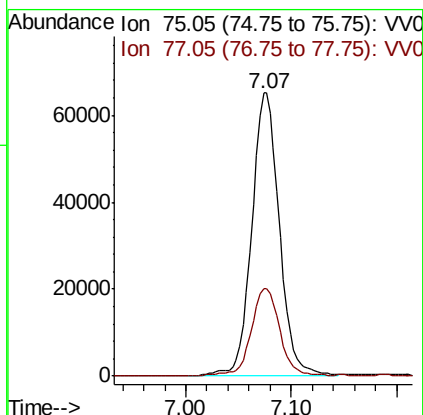
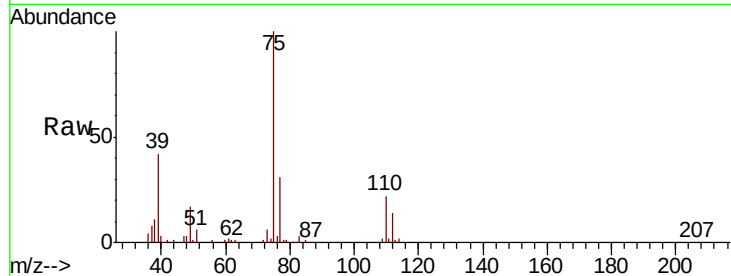




#39
 cis-1,3-Dichloropropene
 Concen: 4.314 ug/L
 RT: 7.07 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VV007045.D
 Acq: 17 Aug 2018 10:26

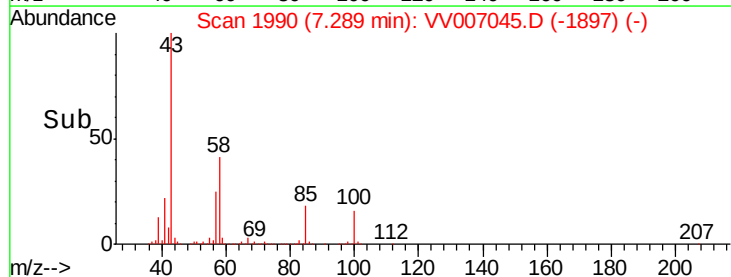
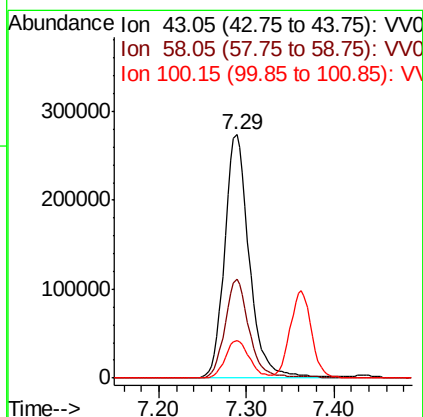
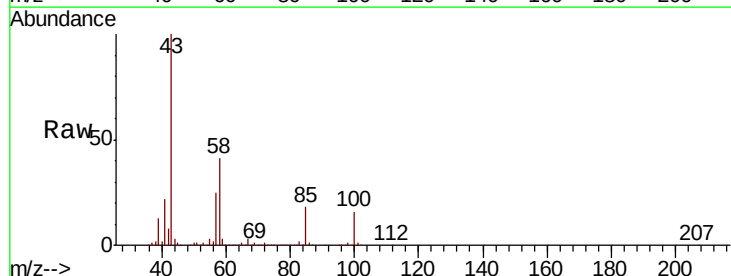
Instrument :
 MSVOA_V
 ClientSampleId :

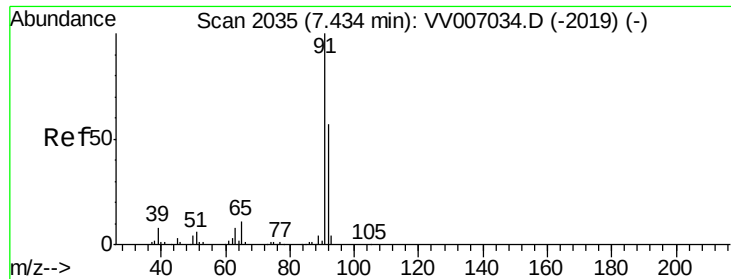
Tot Ion: 75 Resp: 119449
 Ion Ratio Lower Upper
 75 100
 77 31.0 22.0 40.8



#40
 4-Methyl-2-pentanone
 Concen: 43.271 ug/L
 RT: 7.29 min Scan# 1990
 Delta R.T. 0.00 min
 Lab File: VV007045.D
 Acq: 17 Aug 2018 10:26

Tgt Ion: 43 Resp: 535662
 Ion Ratio Lower Upper
 43 100
 58 39.6 30.7 46.1
 100 15.3 11.2 16.8





#42

Toluene

Concen: 4.745 ug/L

RT: 7.43 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VV007045.D

Acq: 17 Aug 2018 10:26

Instrument :

MSVOA_V

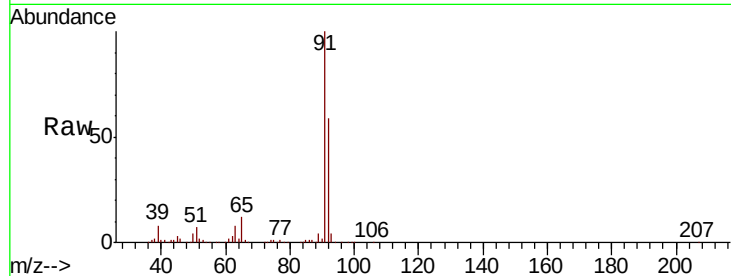
ClientSampleId :

Tot Ion: 91 Resp: 381726

Ion Ratio Lower Upper

91 100

92 58.6 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VV007034.D (-2019) (-)

Ion 92.15 (91.85 to 92.85): VV007034.D (-2019) (-)

7.43

250000

200000

150000

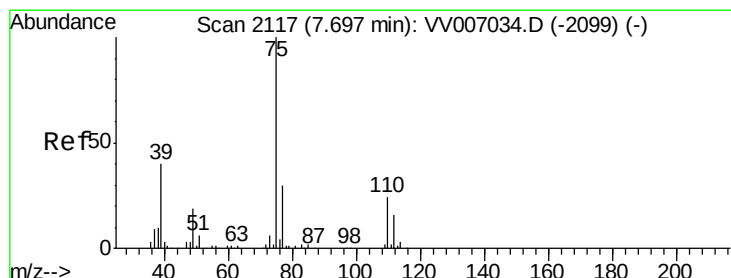
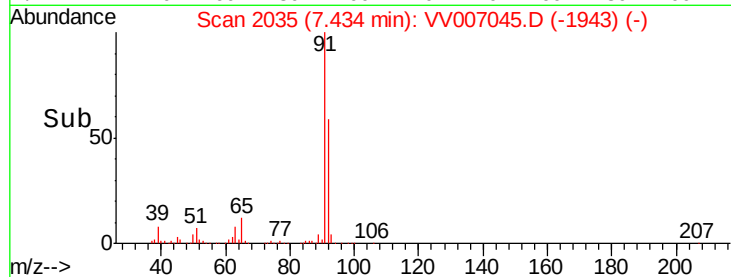
100000

50000

0

7.40 7.50

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.524 ug/L

RT: 7.70 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VV007045.D

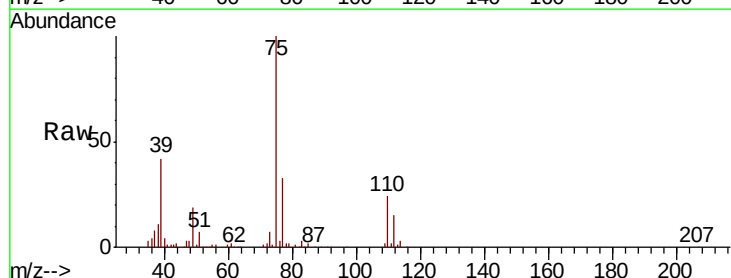
Acq: 17 Aug 2018 10:26

Tgt Ion: 75 Resp: 102799

Ion Ratio Lower Upper

75 100

77 33.0 22.3 41.3



Abundance Ion 75.05 (74.75 to 75.75): VV007034.D (-2099) (-)

Ion 77.05 (76.75 to 77.75): VV007034.D (-2099) (-)

7.70

60000

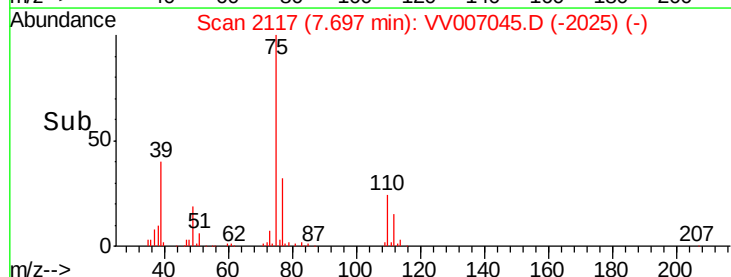
40000

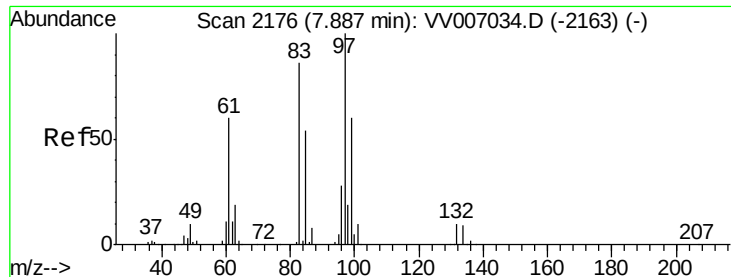
20000

0

7.60 7.65 7.70 7.75 7.80

Time-->

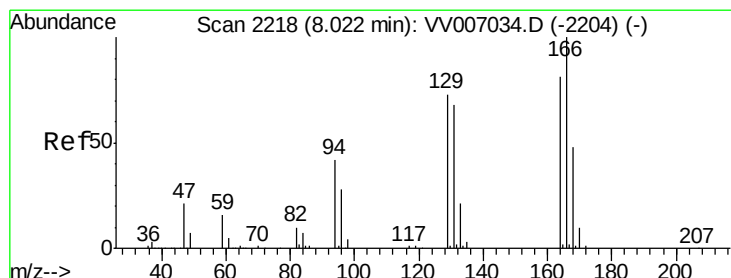
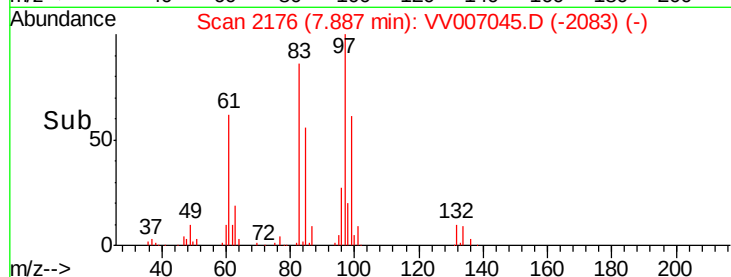
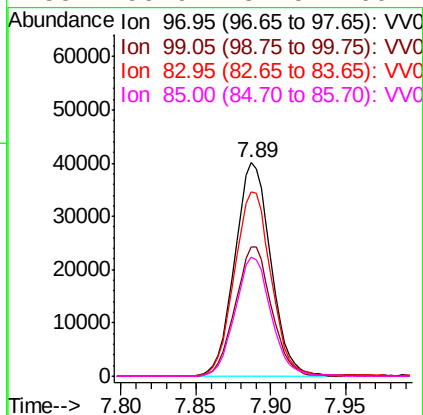
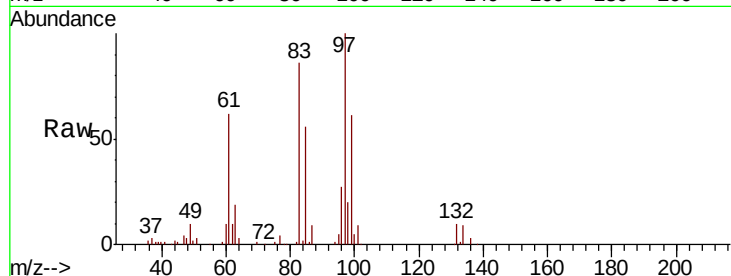




#45
 1,1,2-Trichloroethane
 Concen: 4.525 ug/L
 RT: 7.89 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VV007045.D
 Acq: 17 Aug 2018 10:26

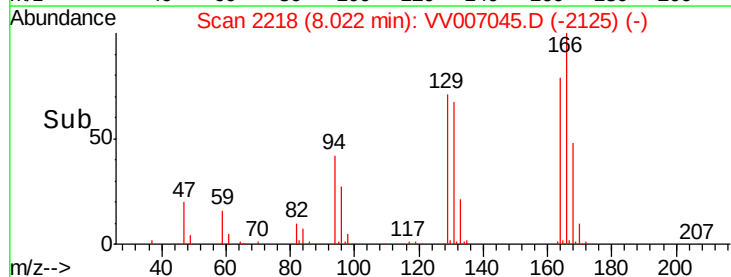
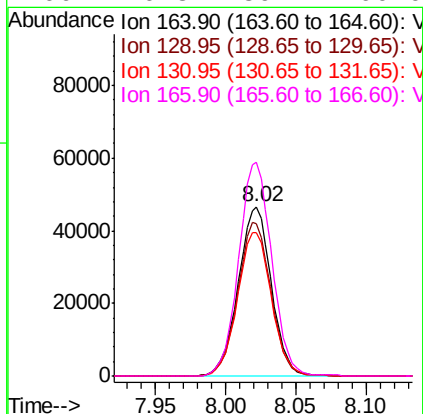
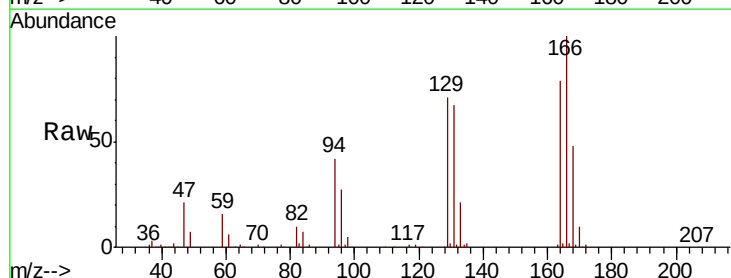
Instrument :
 MSVOA_V
 ClientSampleId :

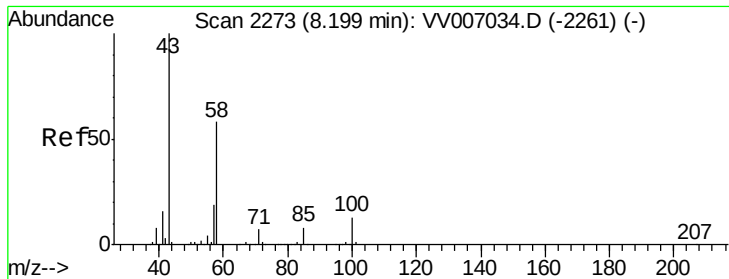
Tot Ion:	97	Resp:	67466
Ion	Ratio	Lower	Upper
97	100		
99	60.6	40.6	75.4
83	86.4	58.0	107.8
85	55.9	37.5	69.7



#47
 Tetrachloroethene
 Concen: 4.703 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VV007045.D
 Acq: 17 Aug 2018 10:26

Tgt Ion:	164	Resp:	76558
Ion	Ratio	Lower	Upper
164	100		
129	90.1	65.9	122.3
131	84.9	64.2	119.2
166	126.3	89.4	166.0

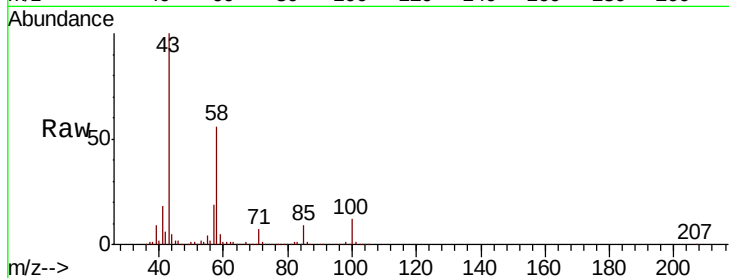




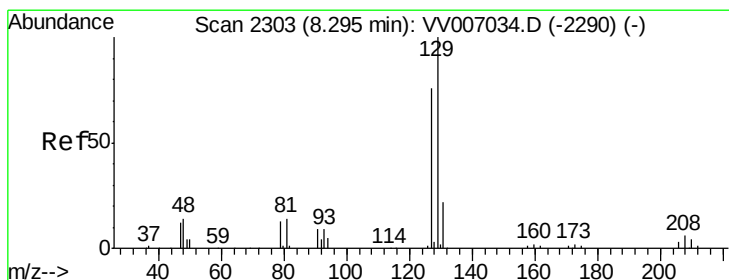
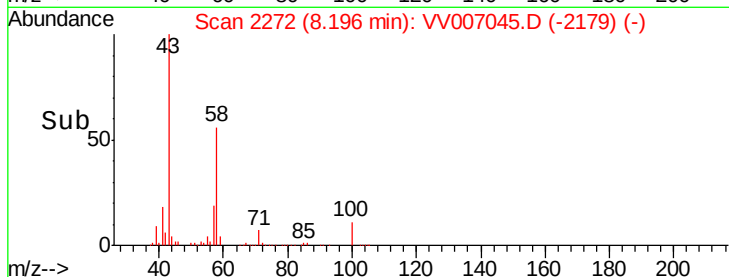
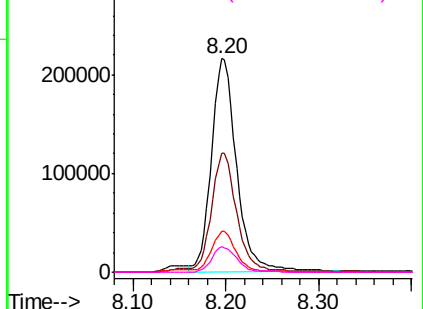
#48
2-Hexanone
Concen: 46.550 ug/L
RT: 8.20 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV007045.D
Acq: 17 Aug 2018 10:26

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 406428
Ion Ratio Lower Upper
43 100
58 57.9 44.2 66.2
57 19.1 14.8 22.2
100 11.6 8.8 13.2

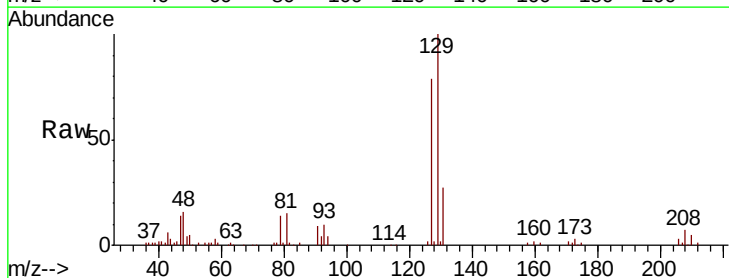


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

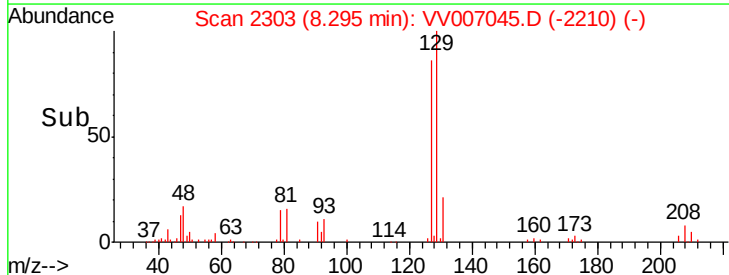
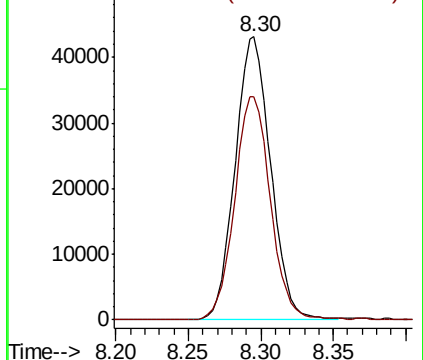


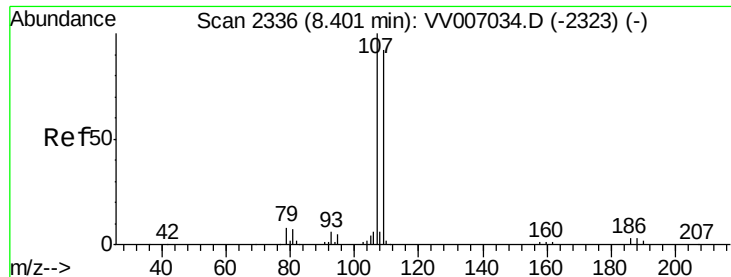
#49
Dibromochloromethane
Concen: 4.700 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VV007045.D
Acq: 17 Aug 2018 10:26

Tgt Ion: 129 Resp: 73506
Ion Ratio Lower Upper
129 100
127 78.8 53.3 98.9



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





#50

1,2-Dibromoethane

Concen: 4.663 ug/L

RT: 8.40 min Scan# 2336

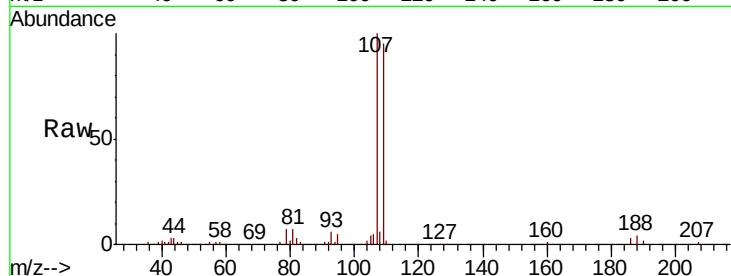
Delta R.T. 0.00 min

Lab File: VV007045.D

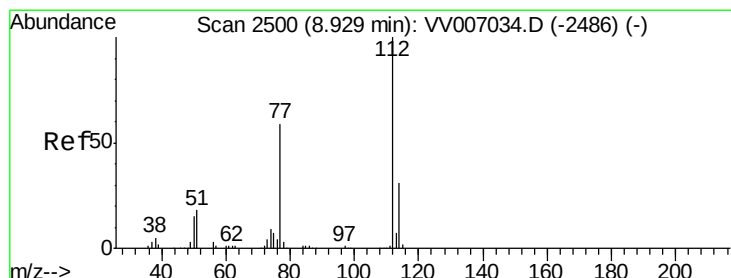
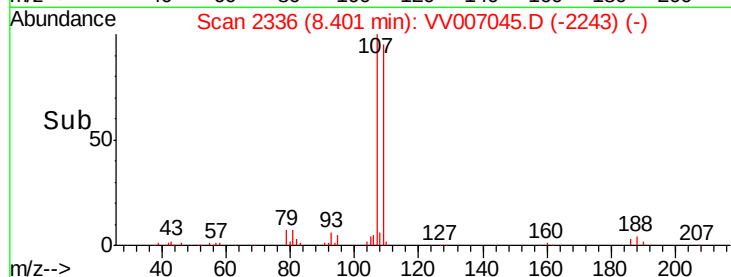
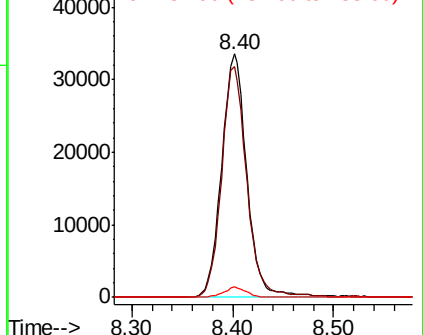
Acq: 17 Aug 2018 10:26

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	107	Resp:	58720
Ion	Ratio	Lower	Upper
107	100		
109	95.0	64.1	119.1
188	4.1	4.0	6.0



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



#51

Chlorobenzene

Concen: 4.604 ug/L

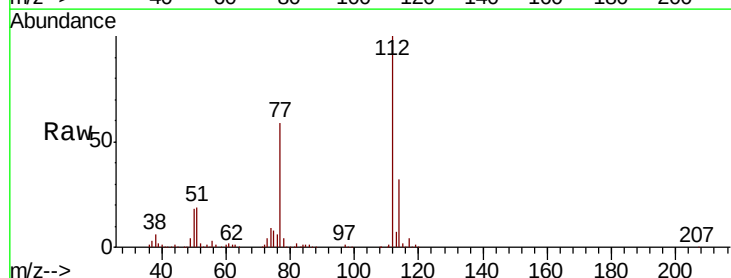
RT: 8.93 min Scan# 2500

Delta R.T. 0.00 min

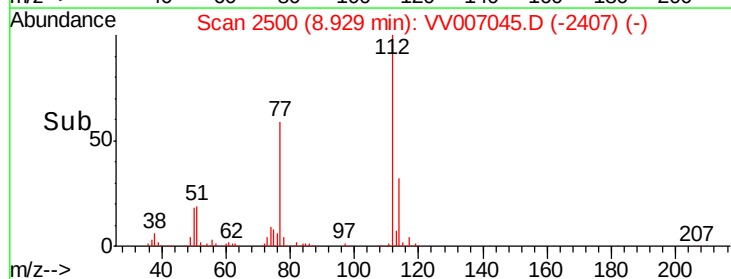
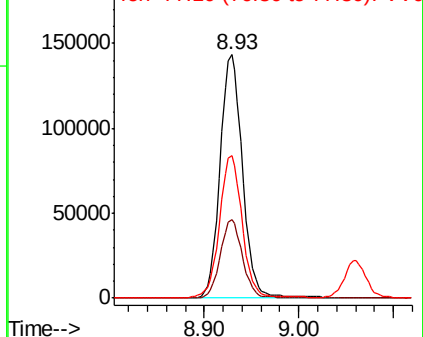
Lab File: VV007045.D

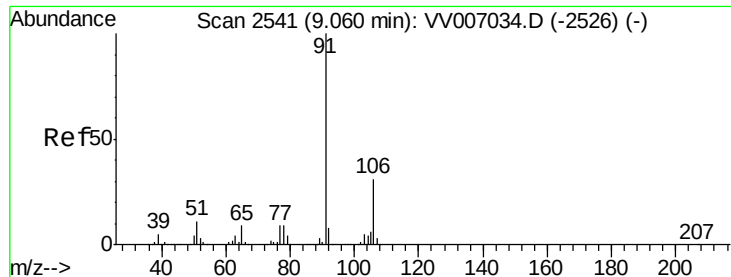
Acq: 17 Aug 2018 10:26

Tgt Ion:	112	Resp:	236123
Ion	Ratio	Lower	Upper
112	100		
114	32.5	21.8	40.6
77	58.7	48.0	72.0



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: 4.534 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV007045.D

Acq: 17 Aug 2018 10:26

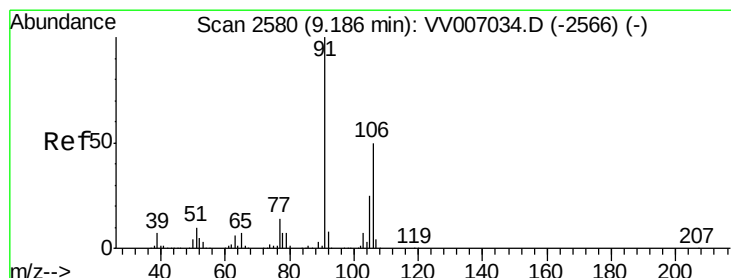
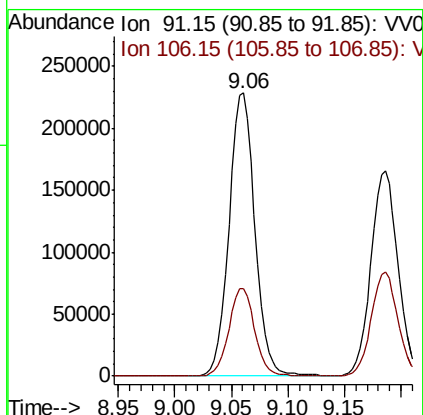
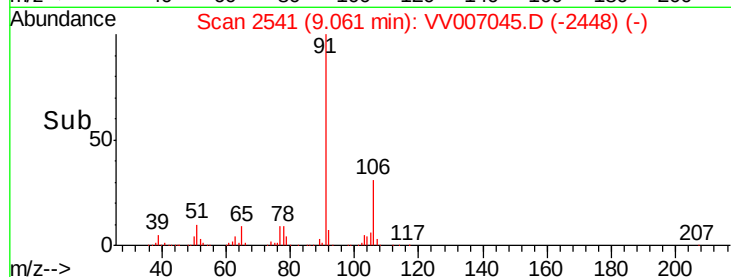
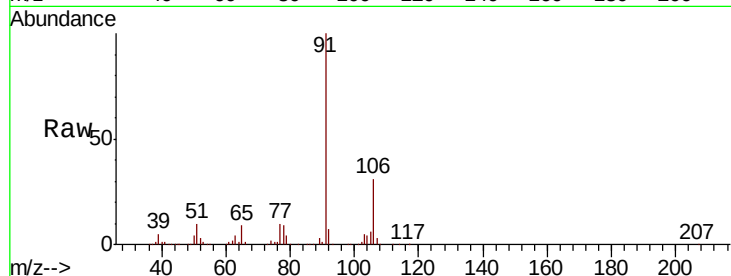
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 364222

Ion Ratio Lower Upper

91 100

106 30.8 21.3 39.5



#53

m,p-xylene

Concen: 4.572 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV007045.D

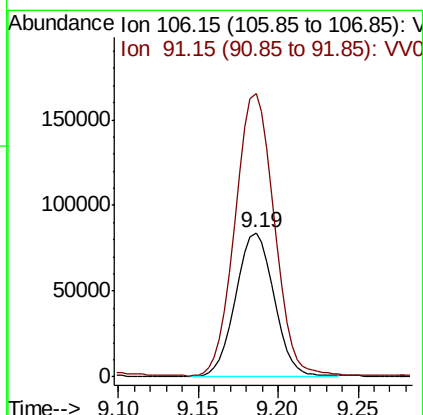
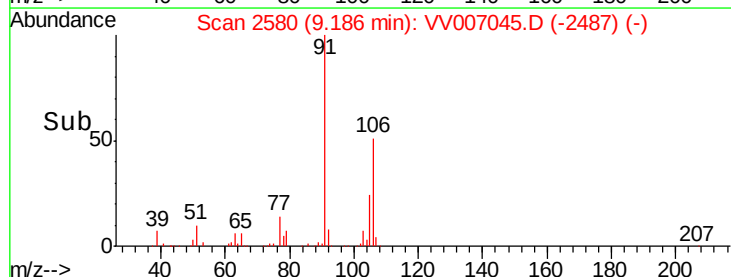
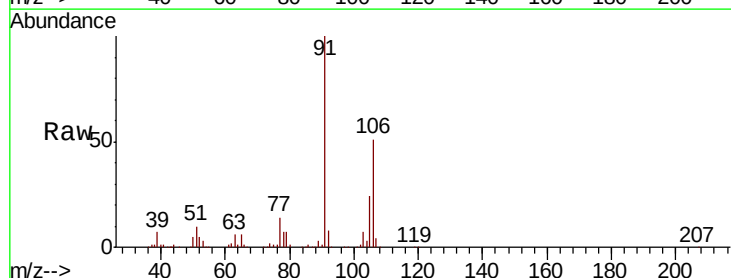
Acq: 17 Aug 2018 10:26

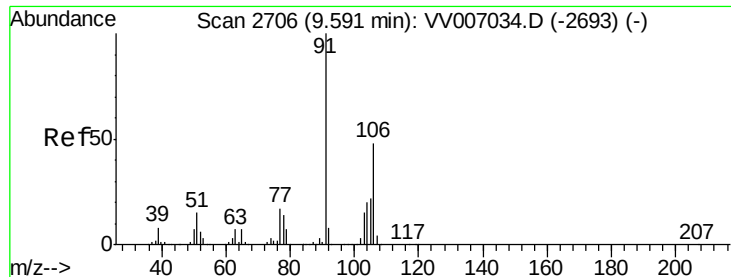
Tgt Ion: 106 Resp: 136910

Ion Ratio Lower Upper

106 100

91 196.4 141.6 263.0





#54

o-xylene

Concen: 4.501 ug/L

RT: 9.59 min Scan# 2706

Delta R.T. 0.00 min

Lab File: VV007045.D

Acq: 17 Aug 2018 10:26

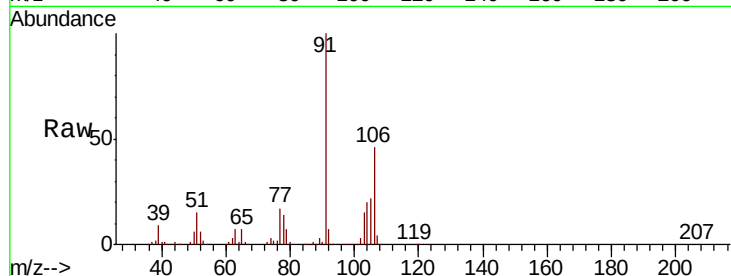
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 127726

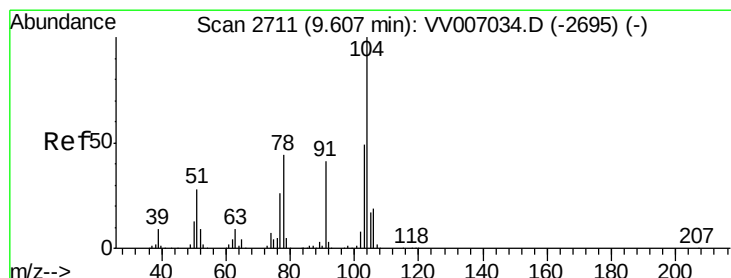
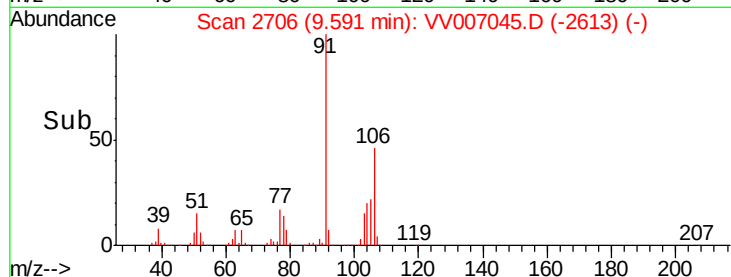
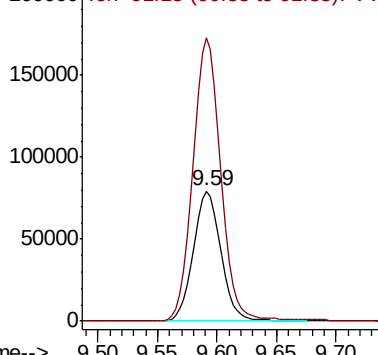
Ion Ratio Lower Upper

106 100

91 218.1 149.8 278.2



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



#55

Styrene

Concen: 4.700 ug/L

RT: 9.61 min Scan# 2711

Delta R.T. 0.00 min

Lab File: VV007045.D

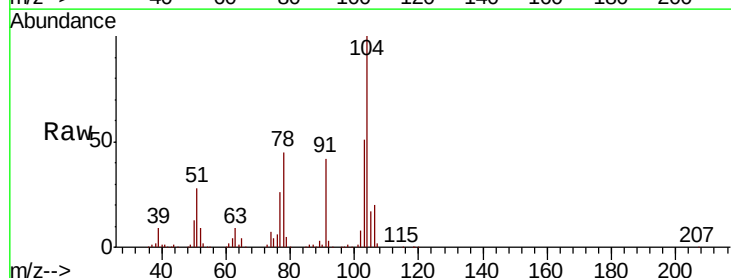
Acq: 17 Aug 2018 10:26

Tgt Ion:104 Resp: 224814

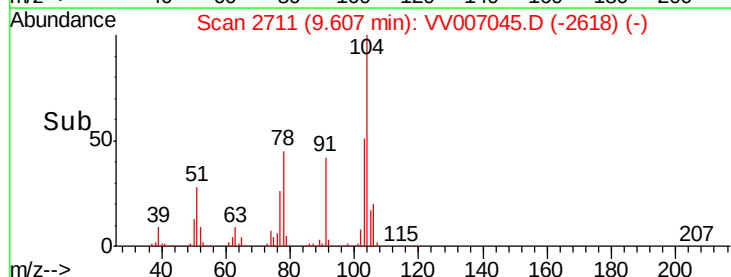
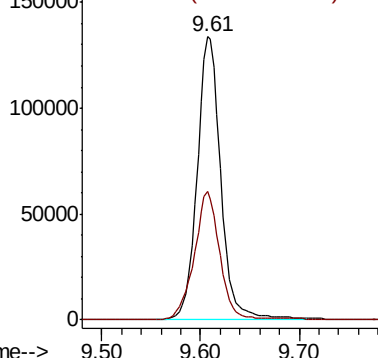
Ion Ratio Lower Upper

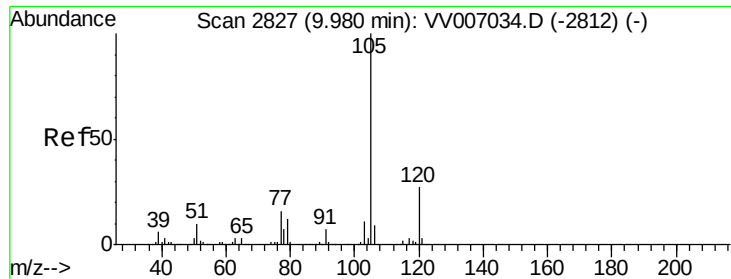
104 100

78 45.5 30.4 56.5



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

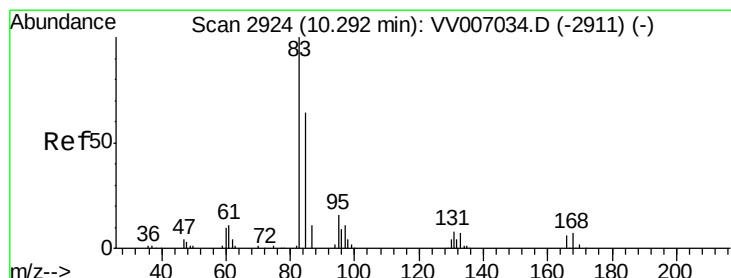
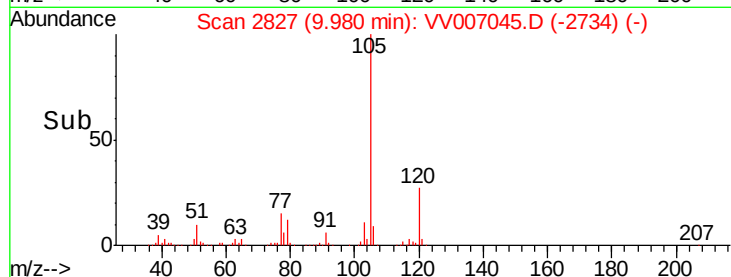
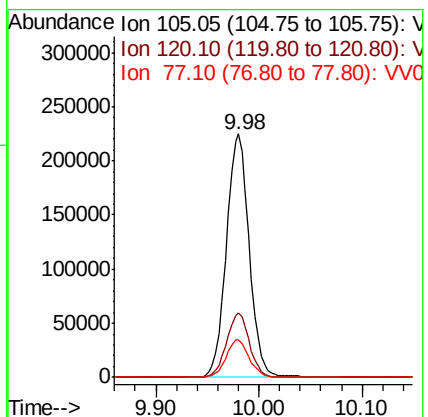
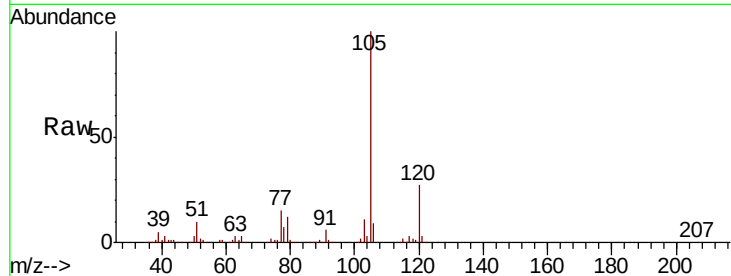




#56
Isopropylbenzene
Concen: 4.656 ug/L
RT: 9.98 min Scan# 2827
Delta R.T. 0.00 min
Lab File: VV007045.D
Acq: 17 Aug 2018 10:26

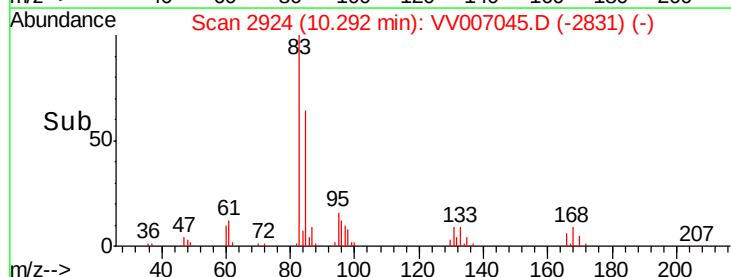
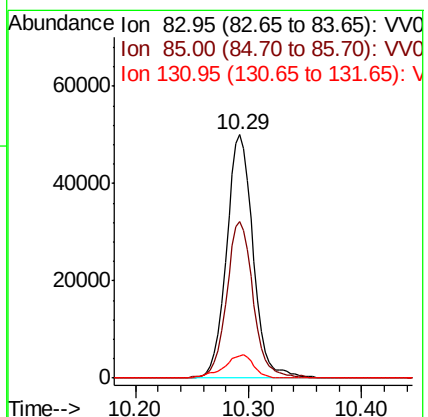
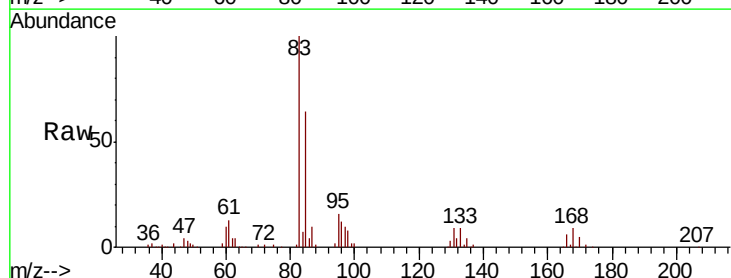
Instrument :
MSVOA_V
ClientSampled :

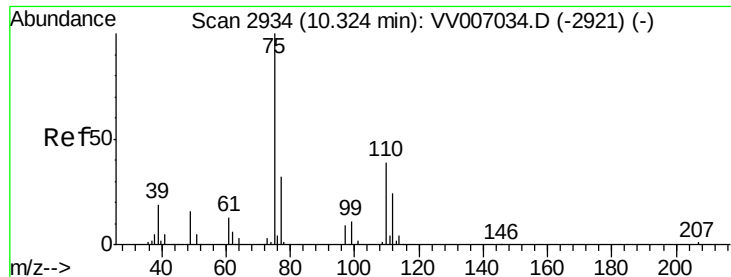
Tot Ion	Ratio	Lower	Upper
105	100		
120	26.7	21.1	31.7
77	15.8	13.0	19.4



#58
1,1,2,2-Tetrachloroethane
Concen: 4.505 ug/L
RT: 10.29 min Scan# 2924
Delta R.T. 0.00 min
Lab File: VV007045.D
Acq: 17 Aug 2018 10:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	43.0	79.8
131	9.2	7.4	11.2

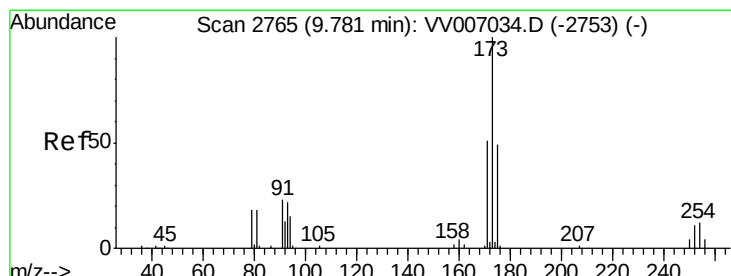
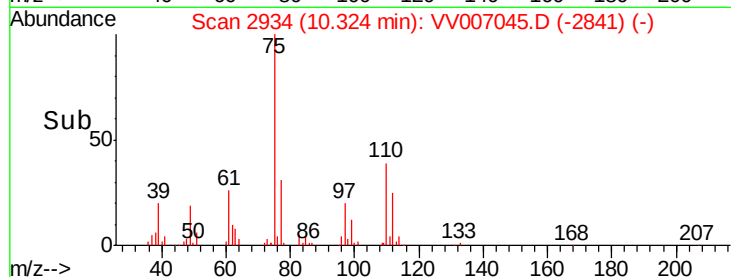
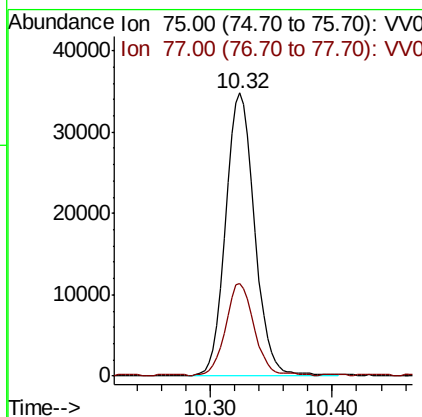
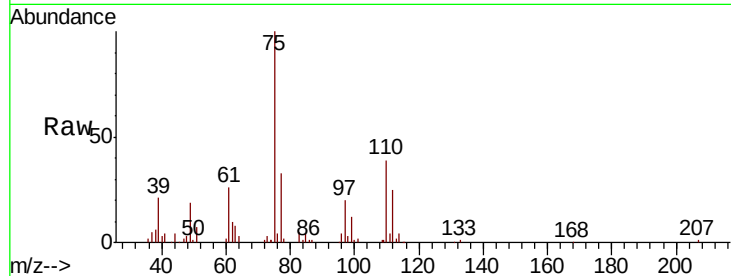




#59
 1,2,3-Trichloropropane
 Concen: 4.540 ug/L
 RT: 10.32 min Scan# 2934
 Delta R.T. 0.00 min
 Lab File: VV007045.D
 Acq: 17 Aug 2018 10:26

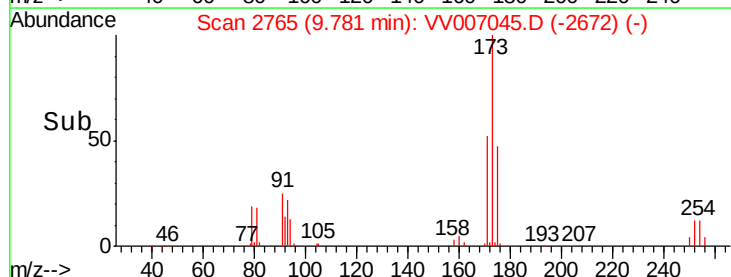
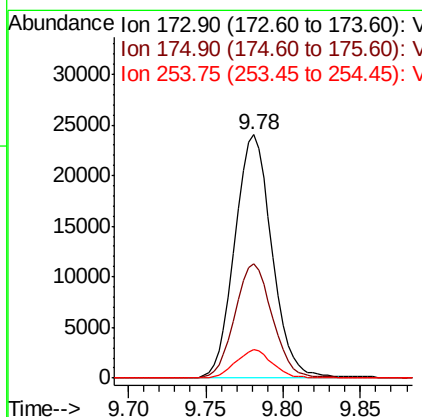
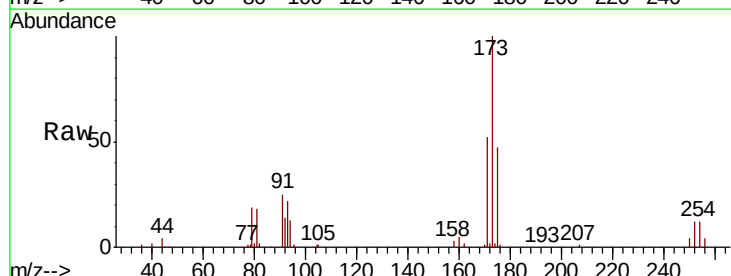
Instrument :
 MSVOA_V
 ClientSampleId :

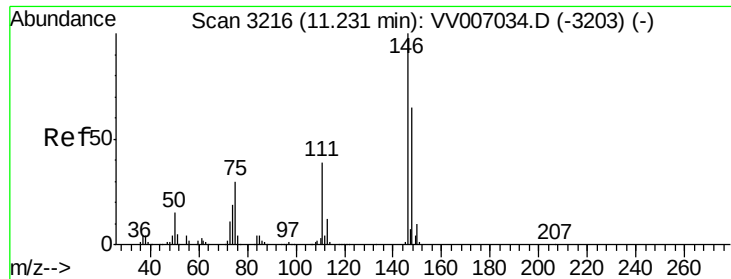
Tot Ion: 75 Resp: 58233
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.4 38.0



#61
 Bromoform
 Concen: 4.858 ug/L
 RT: 9.78 min Scan# 2765
 Delta R.T. 0.00 min
 Lab File: VV007045.D
 Acq: 17 Aug 2018 10:26

Tgt Ion: 173 Resp: 40078
 Ion Ratio Lower Upper
 173 100
 175 47.6 39.3 58.9
 254 11.4 8.3 12.5





#62

1,3-Dichlorobenzene

Concen: 4.704 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. 0.00 min

Lab File: VV007045.D

Acq: 17 Aug 2018 10:26

Instrument :

MSVOA_V

ClientSampled :

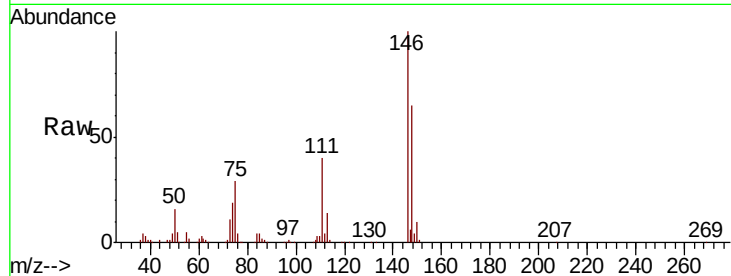
Tot Ion:146 Resp: 165775

Ion Ratio Lower Upper

146 100

111 39.5 28.1 52.3

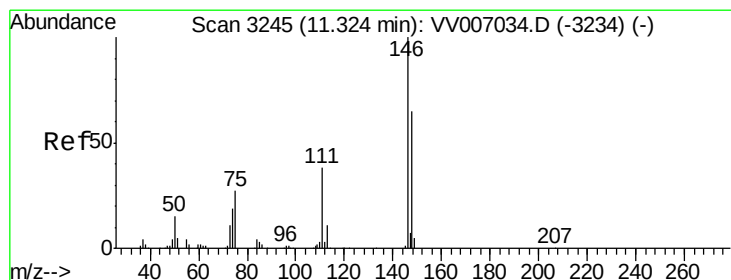
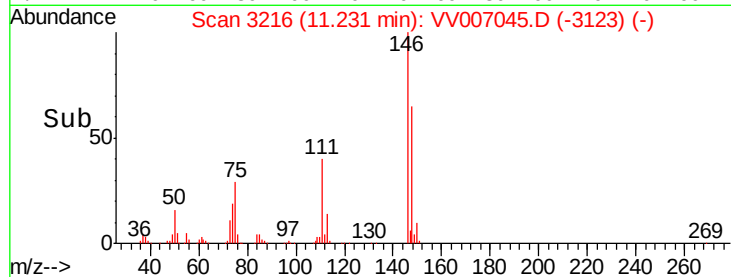
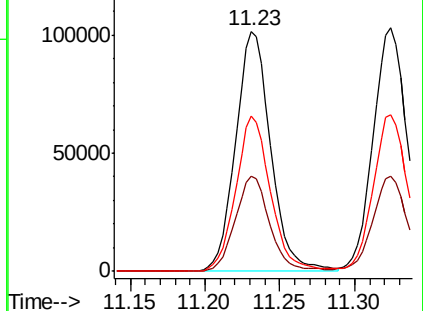
148 64.5 44.2 82.2



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: 4.728 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. 0.00 min

Lab File: VV007045.D

Acq: 17 Aug 2018 10:26

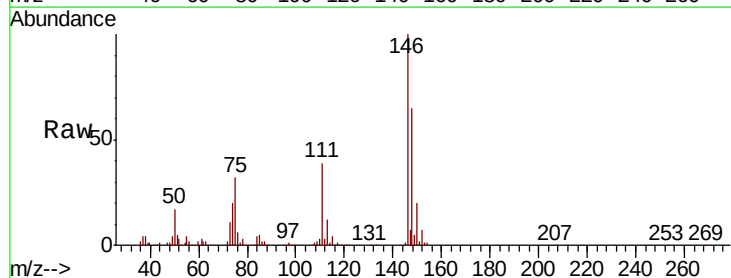
Tgt Ion:146 Resp: 170778

Ion Ratio Lower Upper

146 100

111 39.2 26.6 49.4

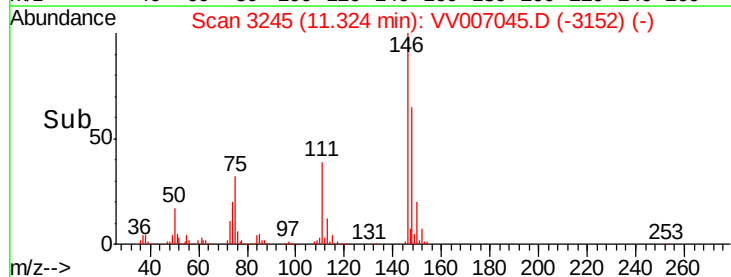
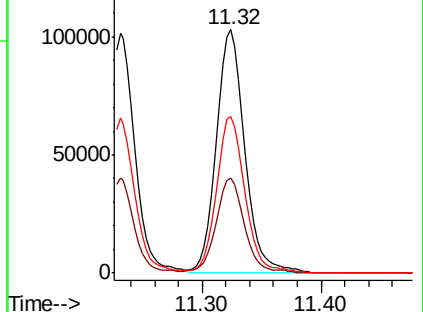
148 64.5 46.4 86.2

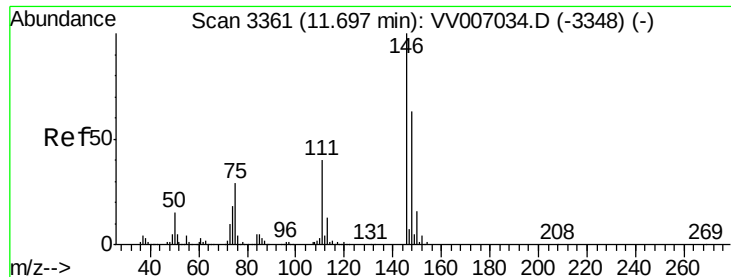


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

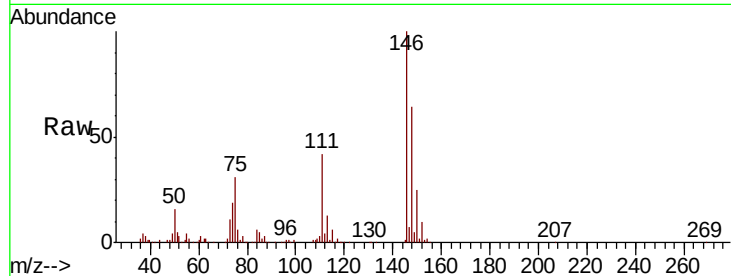




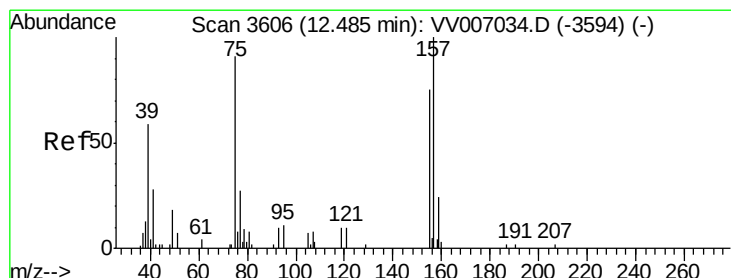
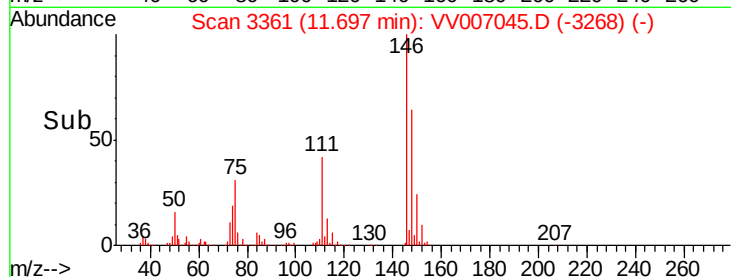
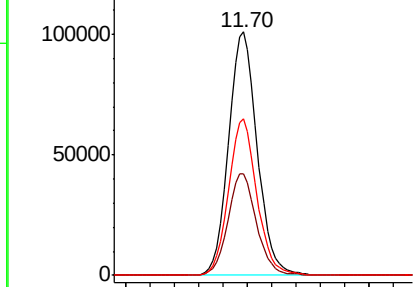
#65
 1,2-Dichlorobenzene
 Concen: 4.777 ug/L
 RT: 11.70 min Scan# 3361
 Delta R.T. 0.00 min
 Lab File: VV007045.D
 Acq: 17 Aug 2018 10:26

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion:146 Resp: 165588
 Ion Ratio Lower Upper
 146 100
 111 41.7 33.0 49.6
 148 64.3 50.6 75.8

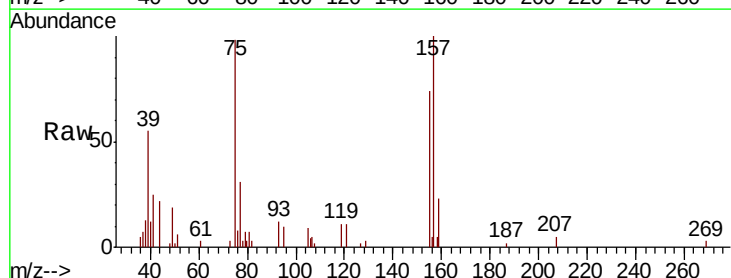


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

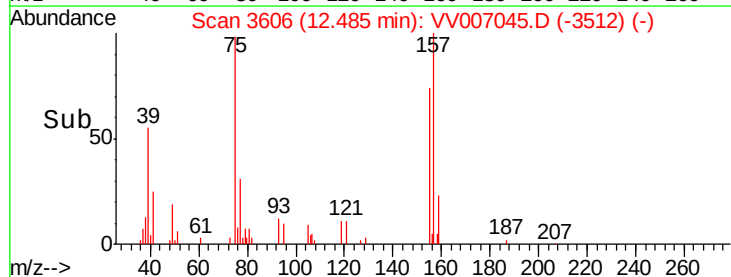
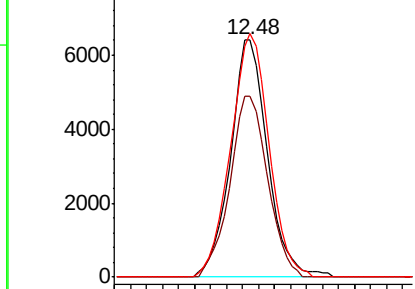


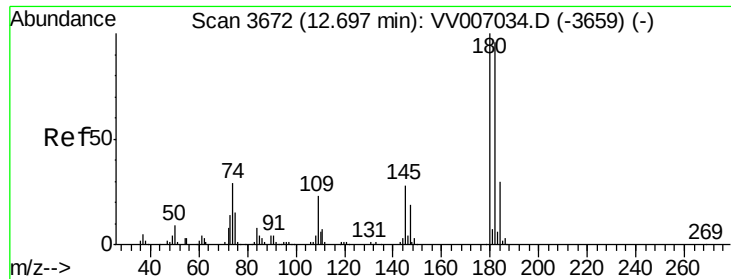
#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.087 ug/L
 RT: 12.48 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VV007045.D
 Acq: 17 Aug 2018 10:26

Tgt Ion: 75 Resp: 10059
 Ion Ratio Lower Upper
 75 100
 155 76.2 62.6 94.0
 157 102.5 77.0 115.6



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

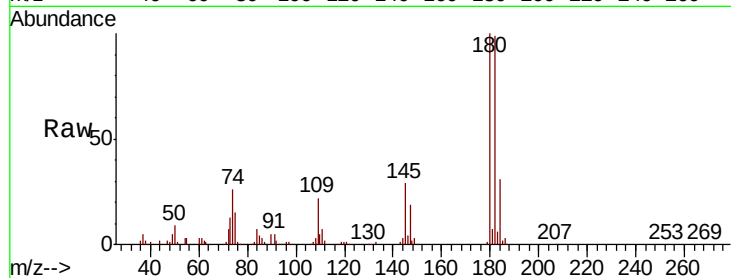




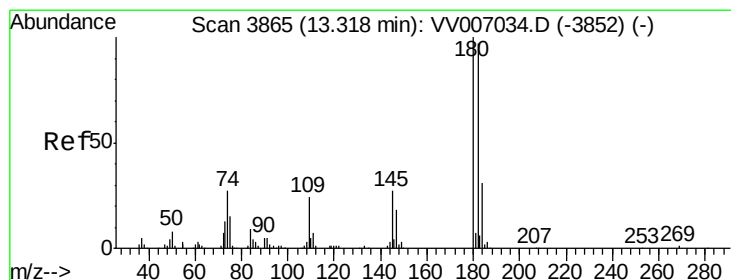
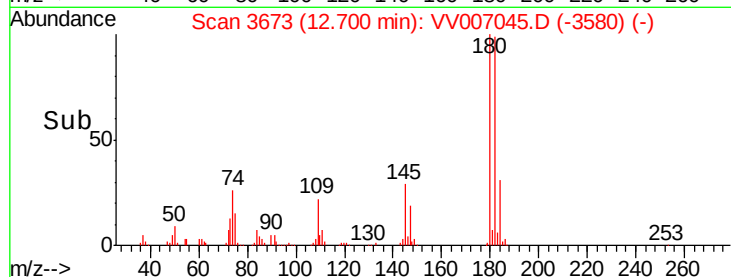
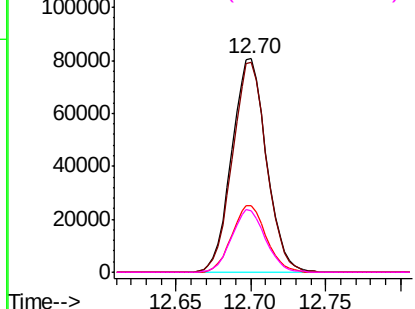
#67
 1,3,5-Trichlorobenzene
 Concen: 4.872 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. 0.00 min
 Lab File: VV007045.D
 Acq: 17 Aug 2018 10:26

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180	Resp:	129955
Ion Ratio	Lower	Upper
180	100	
182	96.7	75.1 112.7
184	30.9	23.8 35.8
145	28.6	21.9 32.9

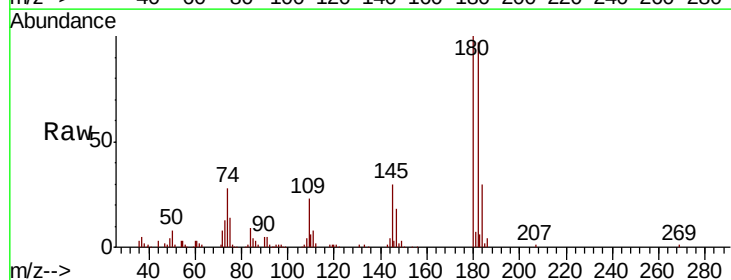


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

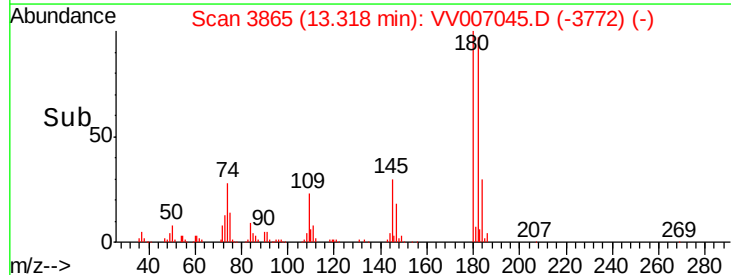
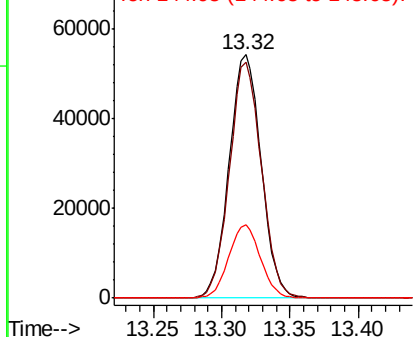


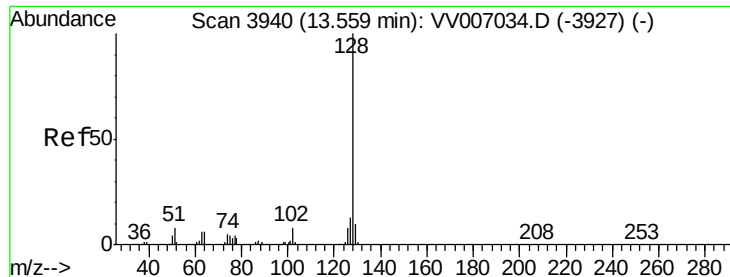
#68
 1,2,4-trichlorobenzene
 Concen: 4.523 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. 0.00 min
 Lab File: VV007045.D
 Acq: 17 Aug 2018 10:26

Tgt Ion:180	Resp:	88537
Ion Ratio	Lower	Upper
180	100	
182	96.5	76.5 114.7
145	29.8	23.6 35.4



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: 4.017 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. -0.00 min

Lab File: VV007045.D

Acq: 17 Aug 2018 10:26

Instrument :

MSVOA_V

ClientSampleId :

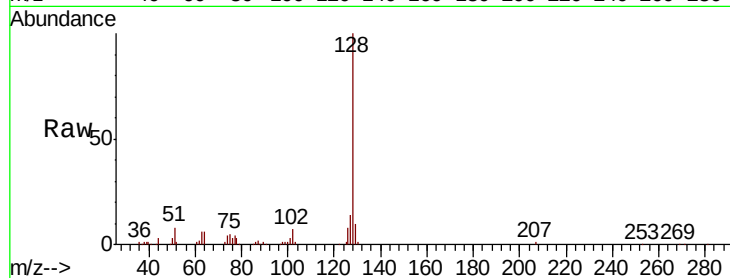
Tot Ion:128 Resp: 112938

Ion Ratio Lower Upper

128 100

129 10.6 8.5 12.7

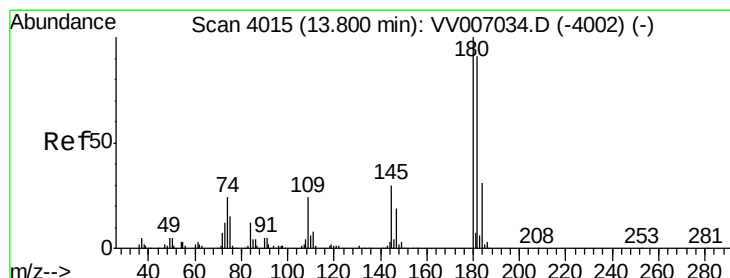
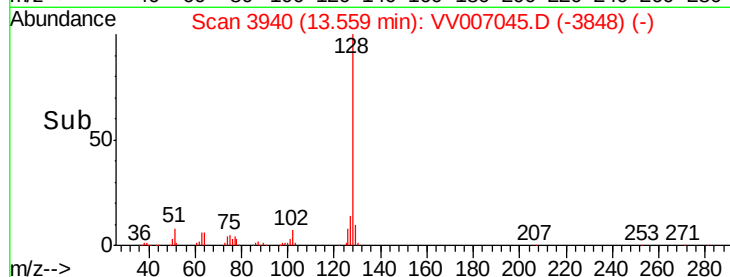
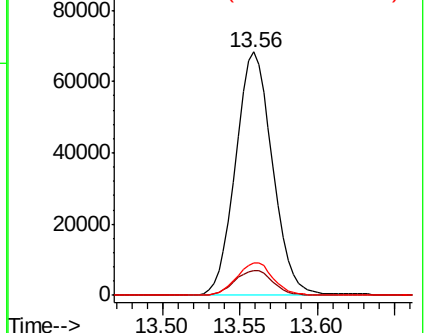
127 13.5 10.6 16.0



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: 4.580 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. 0.00 min

Lab File: VV007045.D

Acq: 17 Aug 2018 10:26

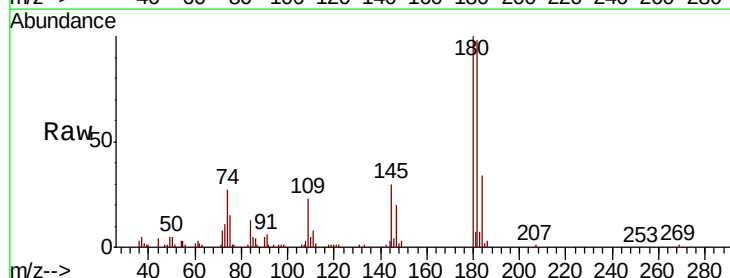
Tgt Ion:180 Resp: 86416

Ion Ratio Lower Upper

180 100

182 95.9 76.1 114.1

145 30.2 24.6 36.8



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

