

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080918\
 Data File : VV006951.D
 Acq On : 09 Aug 2018 14:10
 Operator : SY/MD
 Sample : VSTD01078
 Misc : 25 mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 10 01:55:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR080918WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Aug 10 01:53:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	242959	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	234180	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	112922	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	159662	10.18	ug/L	0.00
7) Chloroethane-d5	1.58	69	131182	9.86	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	297702	10.11	ug/L	0.00
20) 2-Butanone-d5	3.97	46	432559	95.91	ug/L	0.00
24) Chloroform-d	4.41	84	329483	10.36	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	167168	10.41	ug/L	0.00
32) Benzene-d6	5.10	84	633799	10.54	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	211561	10.29	ug/L	0.00
41) Toluene-d8	7.36	98	571453	11.16	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	77757	10.87	ug/L	0.00
46) 2-Hexanone-d5	8.15	63	346010	118.25	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	161864	10.10	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	196551	10.01	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	236585	9.999 ug/L	100
3) Chloromethane	1.25	50	218794	9.609 ug/L	99
5) Vinyl chloride	1.32	62	232126	9.864 ug/L	99
6) Bromomethane	1.54	94	49054	9.603 ug/L	96
8) Chloroethane	1.60	64	139855	9.795 ug/L	99
9) Trichlorofluoromethane	1.77	101	297223	9.925 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	179367	9.981 ug/L	99
12) 1,1-Dichloroethene	2.14	96	169656	9.724 ug/L	98
13) Acetone	2.21	43	203213	87.504 ug/L	99
14) Carbon disulfide	2.32	76	563194	9.778 ug/L	98
15) Methyl Acetate	2.47	43	58593	8.965 ug/L	98
16) Methylene chloride	2.54	84	182311	8.667 ug/L	99
17) Methyl tert-butyl Ether	2.82	73	411246	9.831 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	186554	9.986 ug/L	97
19) 1,1-Dichloroethane	3.23	63	326716	9.687 ug/L	98
21) 2-Butanone	4.05	43	470417	93.296 ug/L	100
22) cis-1,2-Dichloroethene	3.97	96	202798	9.566 ug/L	94
23) Bromochloromethane	4.30	128	86392	9.998 ug/L	96
25) Chloroform	4.43	83	359505	9.743 ug/L	100
27) 1,2-Dichloroethane	5.19	62	229988	9.994 ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	304341	9.747 ug/L	99
30) Cyclohexane	4.73	56	335598	10.326 ug/L	97
31) Carbon tetrachloride	4.88	117	259801	9.921 ug/L	99
33) Benzene	5.15	78	835684	10.301 ug/L	100
34) Trichloroethene	5.96	95	193544	9.949 ug/L	96
35) Methylcyclohexane	6.18	83	331313	10.608 ug/L	99
37) 1,2-Dichloropropane	6.23	63	223976	10.086 ug/L	100
38) Bromodichloromethane	6.56	83	251599	9.971 ug/L	99
39) cis-1,3-Dichloropropene	7.08	75	278670	10.387 ug/L	100
40) 4-Methyl-2-pentanone	7.29	43	1284174	107.051 ug/L	98

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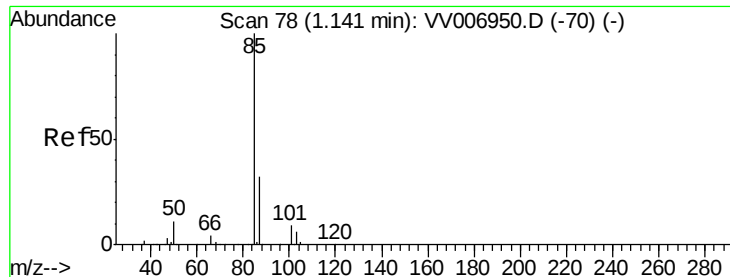
Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 10 01:55:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR080918WMA.M
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 Response via : Initial Calibration

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

42) Toluene	7.44	91	842589	10.808	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	231703	10.522	ug/L	100
45) 1,1,2-Trichloroethane	7.89	97	140759	9.743	ug/L	96
47) Tetrachloroethene	8.02	164	156820	9.942	ug/L	99
48) 2-Hexanone	8.20	43	950819	112.383	ug/L	97
49) Dibromochloromethane	8.30	129	155453	10.257	ug/L	96
50) 1,2-Dibromoethane	8.40	107	124298	10.185	ug/L #	96
51) Chlorobenzene	8.93	112	500995	10.082	ug/L	98
52) Ethylbenzene	9.06	91	853060	10.958	ug/L	100
53) m,p-xylene	9.19	106	321180	11.068	ug/L	99
54) o-xylene	9.59	106	307047	11.166	ug/L	99
55) Styrene	9.61	104	543101	11.717	ug/L	99
56) Isopropylbenzene	9.98	105	807292	11.190	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	174324	9.928	ug/L	95
59) 1,2,3-Trichloropropane	10.32	75	123529	9.937	ug/L	99
61) Bromoform	9.78	173	81138	9.487	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	359611	9.841	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	372692	9.951	ug/L	97
65) 1,2-Dichlorobenzene	11.70	146	361616	10.061	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	24280	9.515	ug/L	96
67) 1,3,5-Trichlorobenzene	12.70	180	281252	10.170	ug/L	98
68) 1,2,4-trichlorobenzene	13.32	180	214372	10.562	ug/L	99
69) Naphthalene	13.56	128	316131	10.846	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	209022	10.684	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 9.999 ug/L

RT: 1.14 min Scan# 77

Delta R.T. -0.00 min

Lab File: VV006951.D

Acq: 09 Aug 2018 14:10

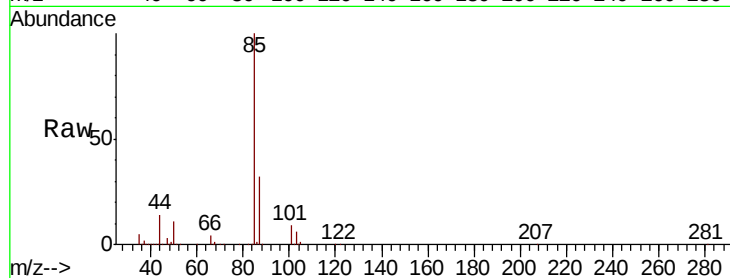
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 236585

Ion Ratio Lower Upper

85 100

87 31.8 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VV006951.D (-70) (-)

Ion 87.00 (86.70 to 87.70): VV006951.D (-70) (-)

1.14

250000

200000

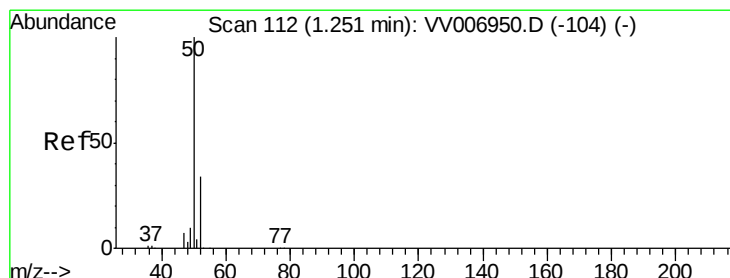
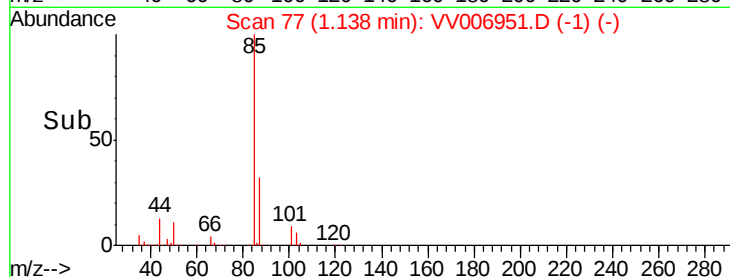
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 9.609 ug/L

RT: 1.25 min Scan# 112

Delta R.T. -0.00 min

Lab File: VV006951.D

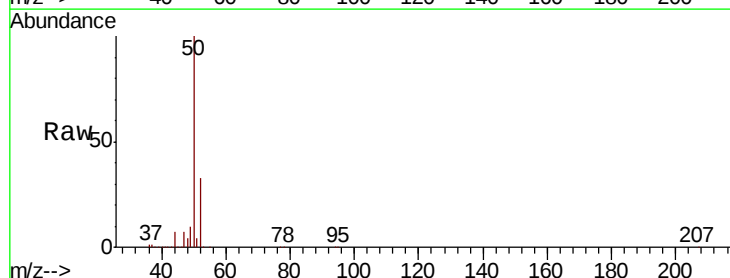
Acq: 09 Aug 2018 14:10

Tgt Ion: 50 Resp: 218794

Ion Ratio Lower Upper

50 100

52 33.0 23.6 43.8



Abundance Ion 50.05 (49.75 to 50.75): VV006951.D (-19) (-)

Ion 52.05 (51.75 to 52.75): VV006951.D (-19) (-)

1.25

200000

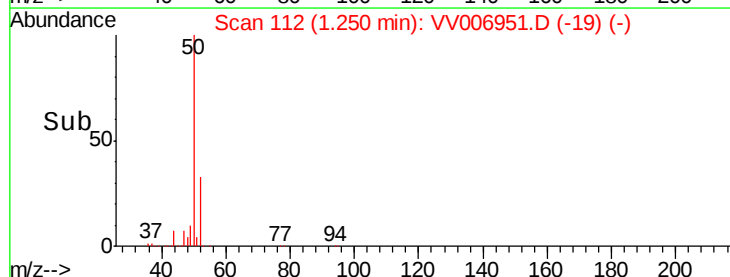
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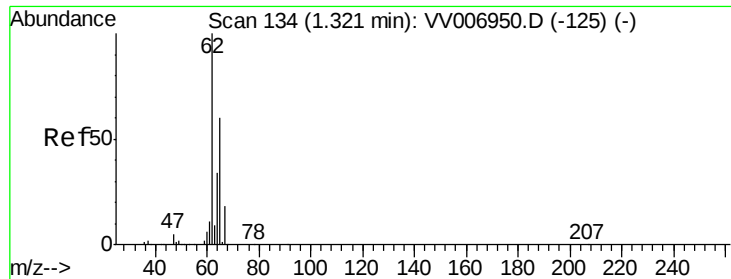
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 9.864 ug/L

RT: 1.32 min Scan# 134

Delta R.T. -0.00 min

Lab File: VV006951.D

Acq: 09 Aug 2018 14:10

Instrument :

MSVOA_V

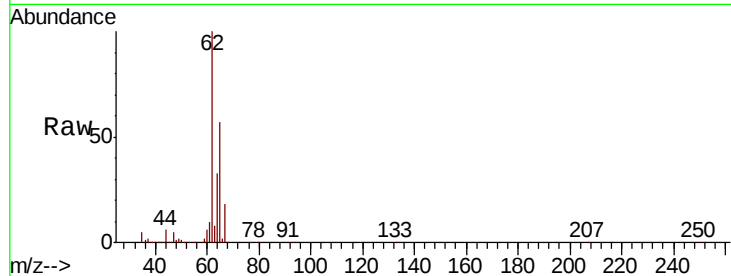
ClientSampled :

Tot Ion: 62 Resp: 232126

Ion Ratio Lower Upper

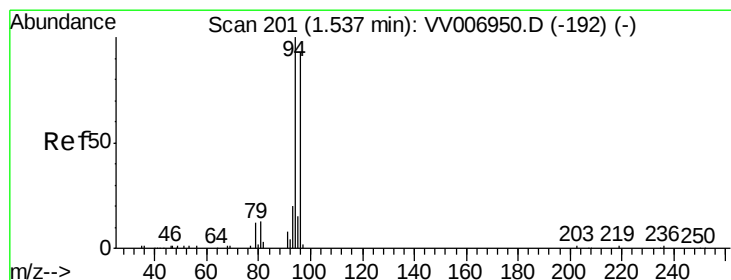
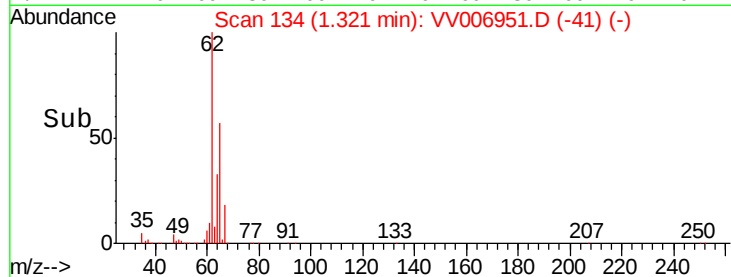
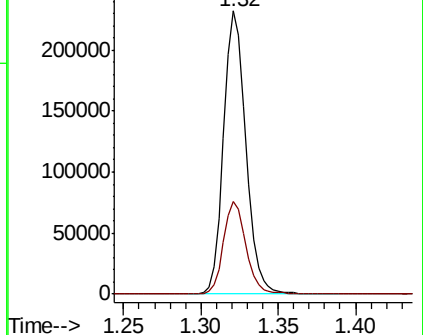
62 100

64 32.9 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VV006951.D (-125) (-)

Ion 64.10 (63.80 to 64.80): VV006951.D (-125) (-)



#6

Bromomethane

Concen: 9.603 ug/L

RT: 1.54 min Scan# 201

Delta R.T. -0.00 min

Lab File: VV006951.D

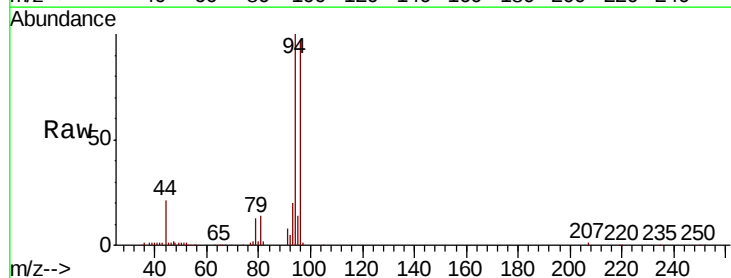
Acq: 09 Aug 2018 14:10

Tgt Ion: 94 Resp: 49054

Ion Ratio Lower Upper

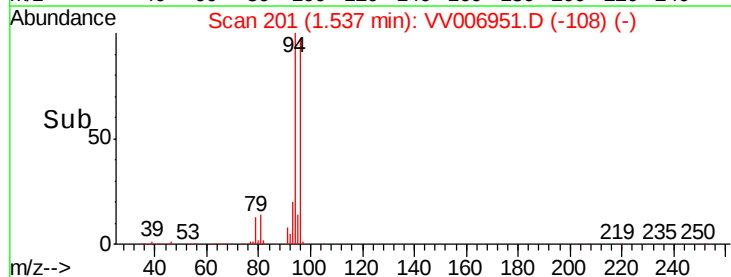
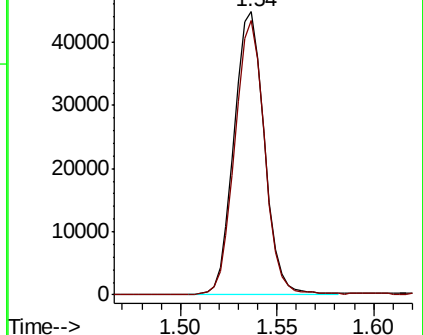
94 100

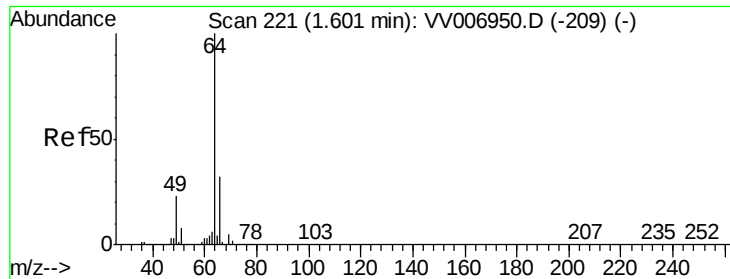
96 96.8 65.0 120.6



Abundance Ion 94.00 (93.70 to 94.70): VV006951.D (-192) (-)

Ion 96.00 (95.70 to 96.70): VV006951.D (-192) (-)





#8

Chloroethane

Concen: 9.795 ug/L

RT: 1.60 min Scan# 221

Delta R.T. -0.00 min

Lab File: VV006951.D

Acq: 09 Aug 2018 14:10

Instrument :

MSVOA_V

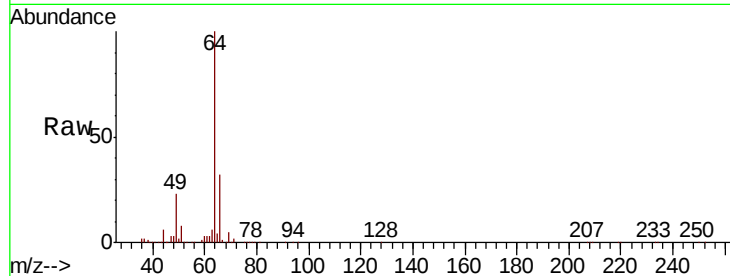
ClientSampleId :

Tot Ion: 64 Resp: 139855

Ion Ratio Lower Upper

64 100

66 31.8 22.6 42.0



Abundance Ion 64.10 (63.80 to 64.80): VV006951.D (-128) (-)

Ion 66.05 (65.75 to 66.75): VV006951.D (-128) (-)

1.60

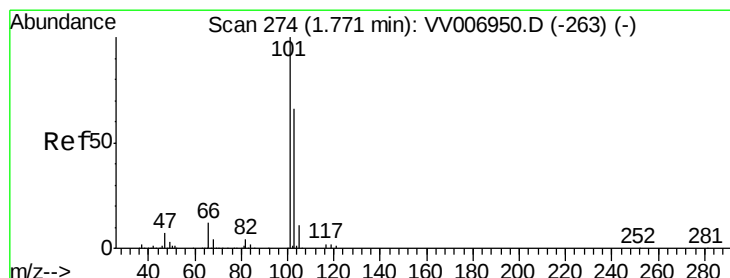
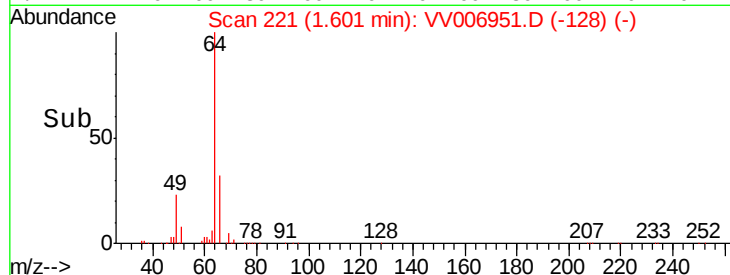
150000

100000

50000

0

Time-->



#9

Trichlorofluoromethane

Concen: 9.925 ug/L

RT: 1.77 min Scan# 274

Delta R.T. -0.00 min

Lab File: VV006951.D

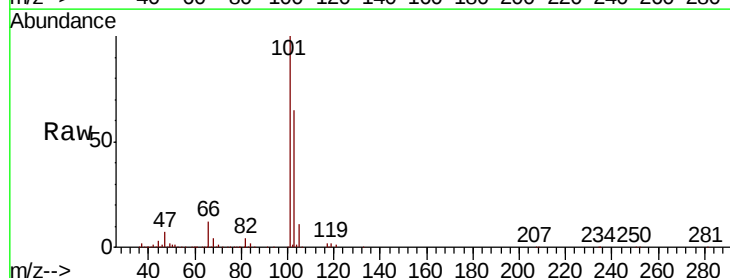
Acq: 09 Aug 2018 14:10

Tgt Ion: 101 Resp: 297223

Ion Ratio Lower Upper

101 100

103 65.0 52.7 79.1



Abundance Ion 101.00 (100.70 to 101.70): VV006951.D (-181) (-)

Ion 103.00 (102.70 to 103.70): VV006951.D (-181) (-)

1.77

250000

200000

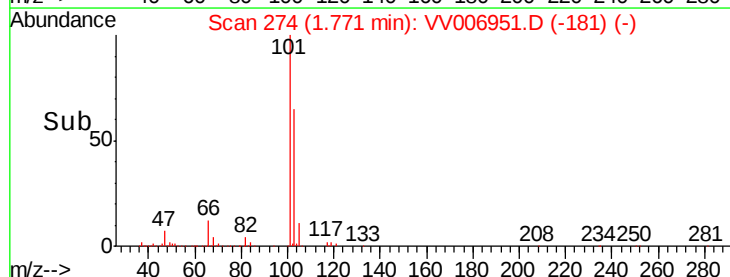
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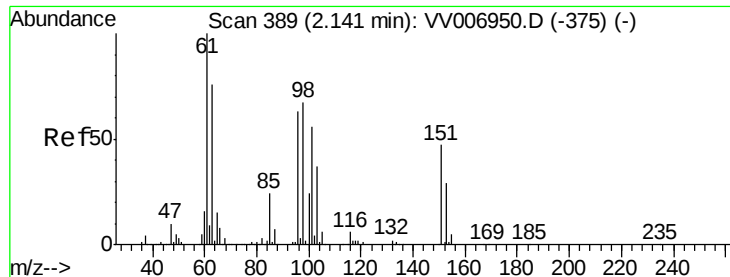
100000

50000

0

Time-->





#10

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

Concen: 9.981 ug/L

RT: 2.14 min Scan# 389

Delta R.T. -0.00 min

Lab File: VV006951.D

Acq: 09 Aug 2018 14:10

Instrument :

MSVOA_V

ClientSampleId :

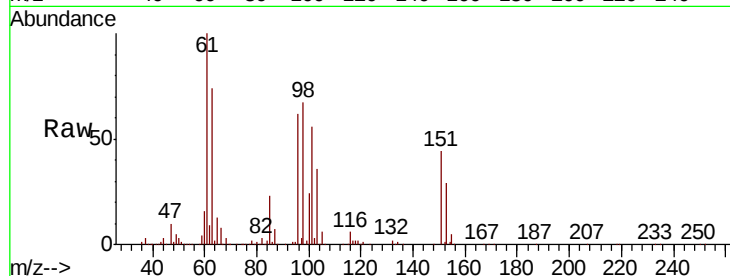
Tot Ion:101 Resp: 179367

Ion Ratio Lower Upper

101 100

85 41.4 33.9 50.9

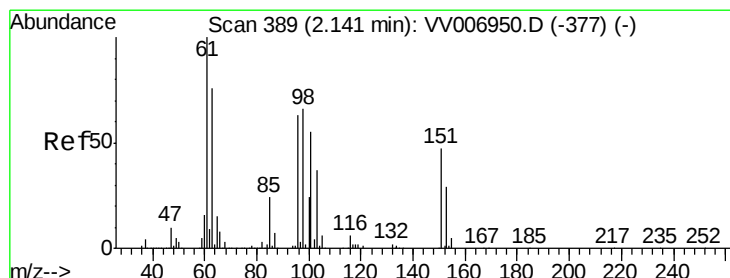
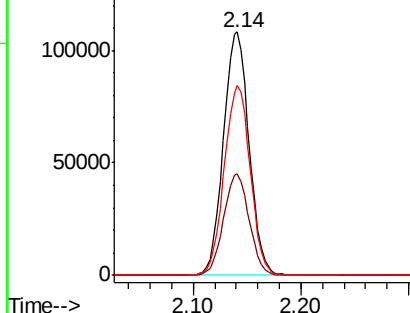
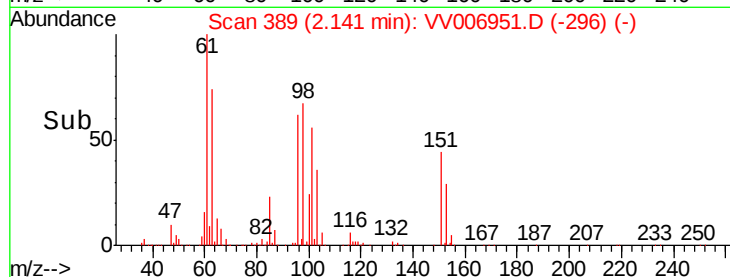
151 78.9 64.1 96.1



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: 9.724 ug/L

RT: 2.14 min Scan# 389

Delta R.T. -0.00 min

Lab File: VV006951.D

Acq: 09 Aug 2018 14:10

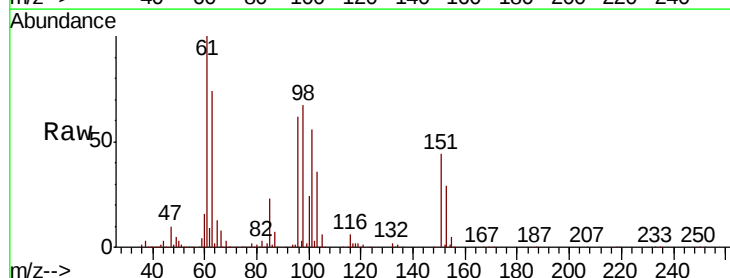
Tgt Ion: 96 Resp: 169656

Ion Ratio Lower Upper

96 100

61 162.2 111.6 207.4

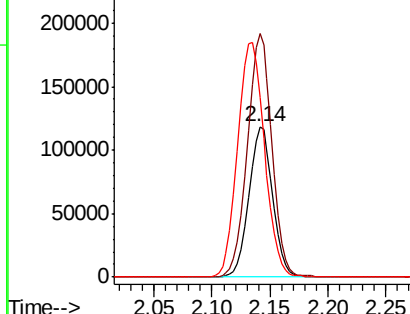
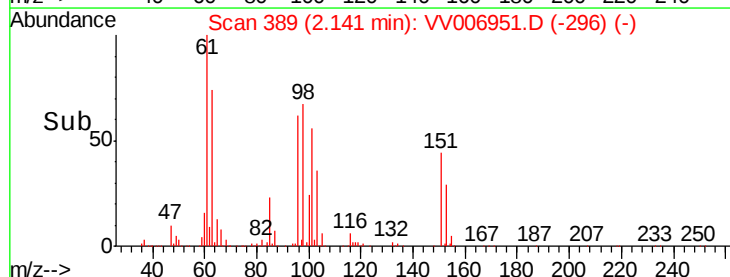
63 119.5 84.9 157.7

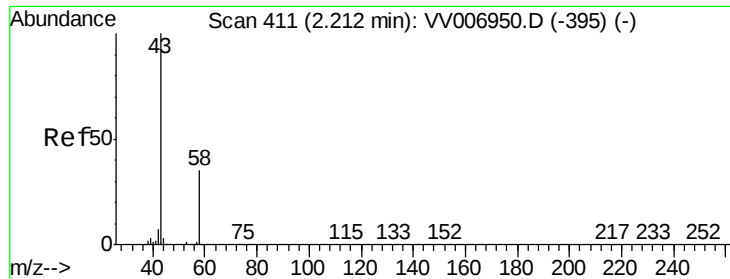


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 87.504 ug/L

RT: 2.21 min Scan# 410

Delta R.T. -0.00 min

Lab File: VV006951.D

Acq: 09 Aug 2018 14:10

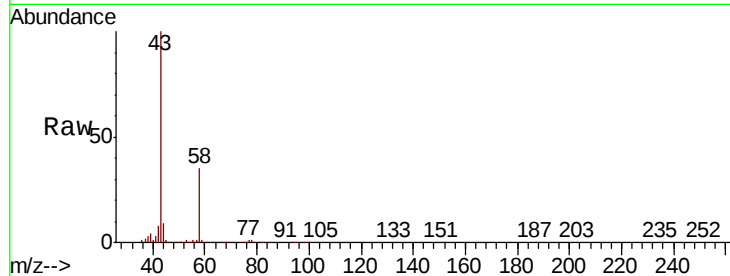
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 203213

Ion Ratio Lower Upper

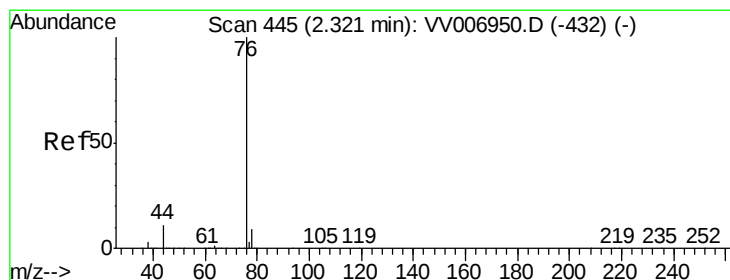
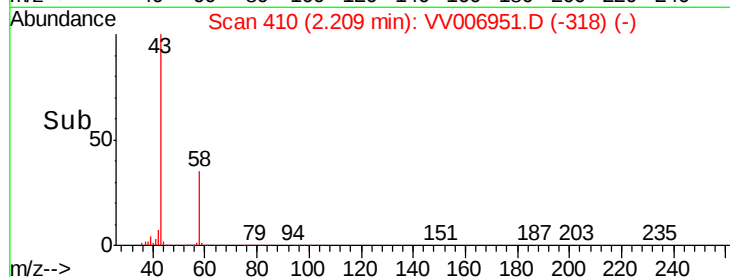
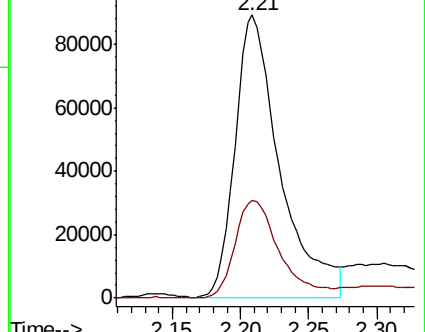
43 100

58 35.0 0.0 71.4



Abundance Ion 43.05 (42.75 to 43.75): VV006950.D (-395) (-)

Ion 58.05 (57.75 to 58.75): VV006950.D (-395) (-)



#14

Carbon disulfide

Concen: 9.778 ug/L

RT: 2.32 min Scan# 444

Delta R.T. -0.00 min

Lab File: VV006951.D

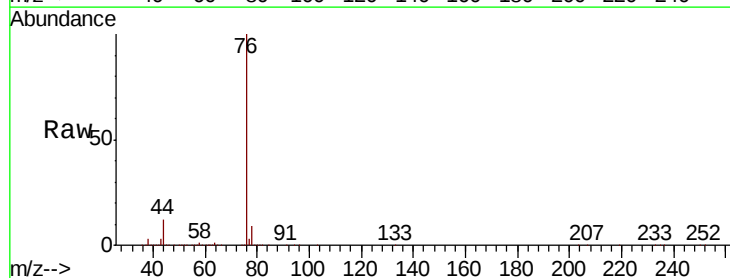
Acq: 09 Aug 2018 14:10

Tgt Ion: 76 Resp: 563194

Ion Ratio Lower Upper

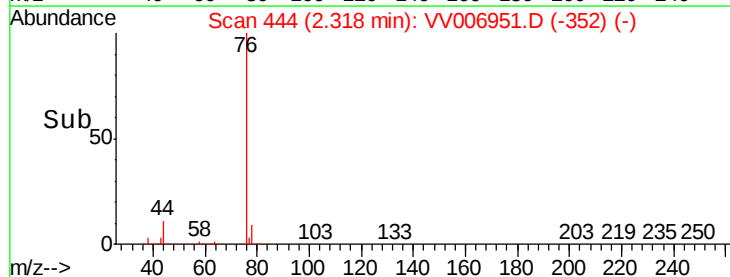
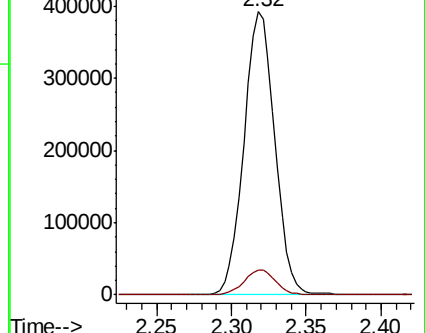
76 100

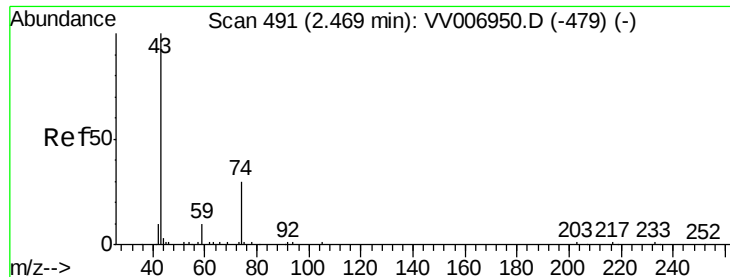
78 8.8 7.6 11.4



Abundance Ion 76.05 (75.75 to 76.75): VV006950.D (-432) (-)

Ion 78.00 (77.70 to 78.70): VV006950.D (-432) (-)

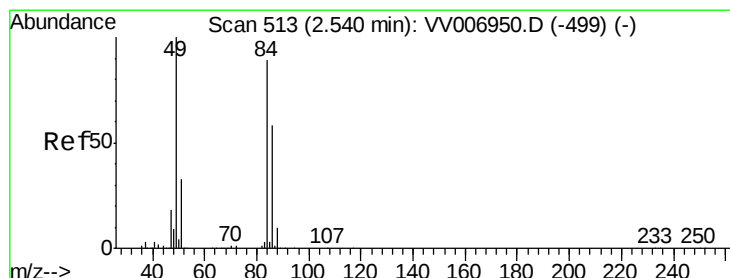
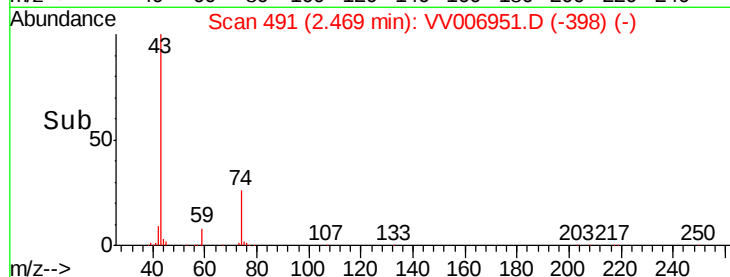
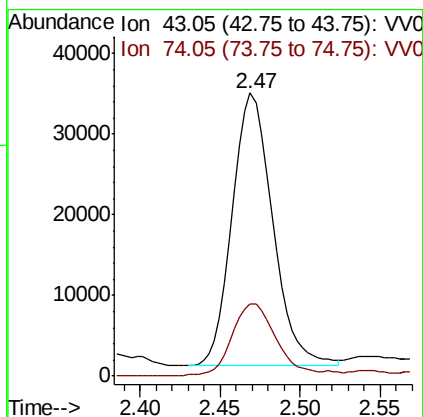
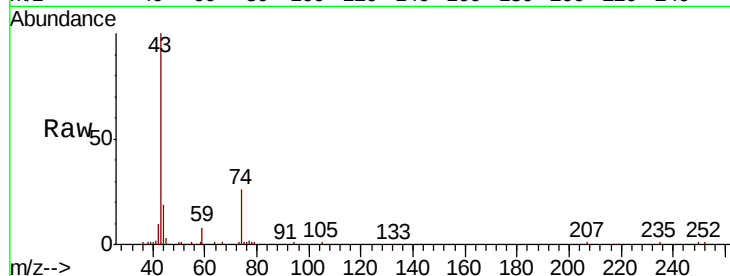




#15
Methvl Acetate
Concen: 8.965 ug/L
RT: 2.47 min Scan# 491
Delta R.T. -0.00 min
Lab File: VV006951.D
Acq: 09 Aug 2018 14:10

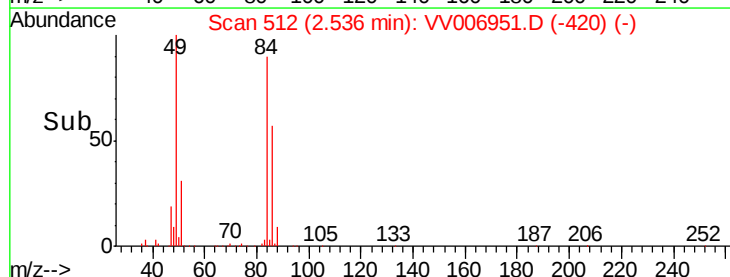
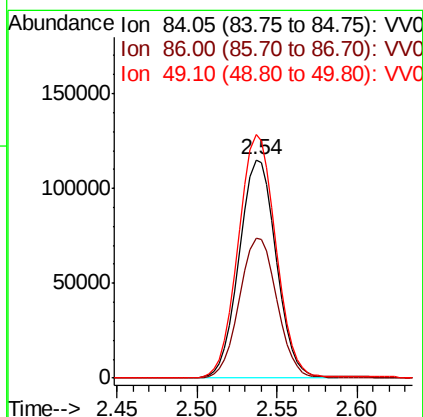
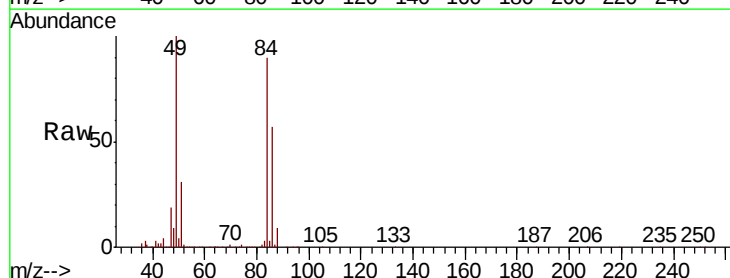
Instrument :
MSVOA_V
ClientSampleId :

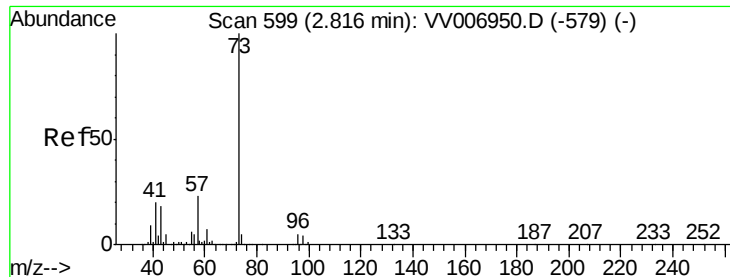
Tot Ion: 43 Resp: 58593
Ion Ratio Lower Upper
43 100
74 29.6 24.6 37.0



#16
Methylene chloride
Concen: 8.667 ug/L
RT: 2.54 min Scan# 512
Delta R.T. -0.00 min
Lab File: VV006951.D
Acq: 09 Aug 2018 14:10

Tgt Ion: 84 Resp: 182311
Ion Ratio Lower Upper
84 100
86 64.0 45.7 84.9
49 111.6 78.8 146.4

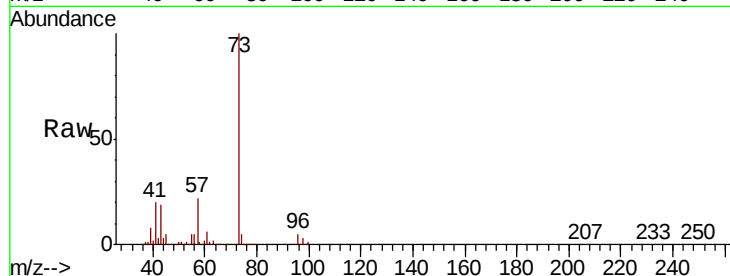




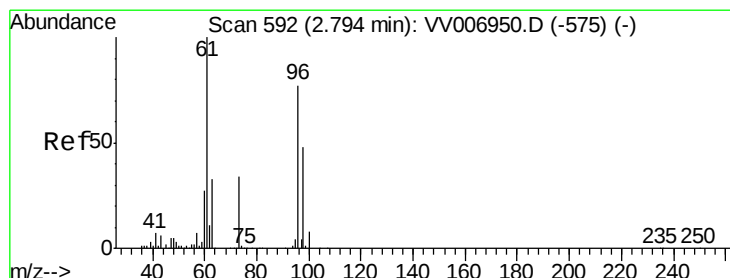
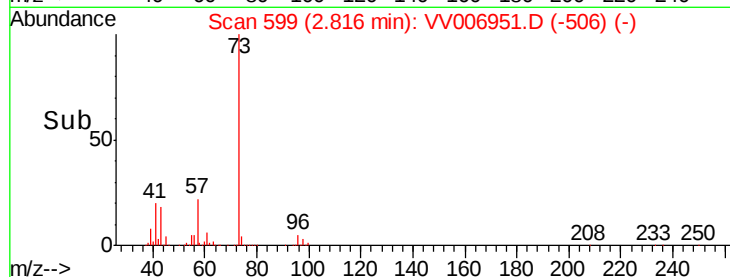
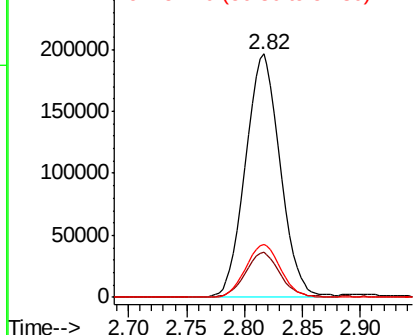
#17
Methvl tert-butvl Ether
Concen: 9.831 ug/L
RT: 2.82 min Scan# 599
Delta R.T. -0.00 min
Lab File: VV006951.D
Acq: 09 Aug 2018 14:10

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 73 Resp: 411246
Ion Ratio Lower Upper
73 100
43 17.9 14.4 21.6
57 21.8 17.9 26.9

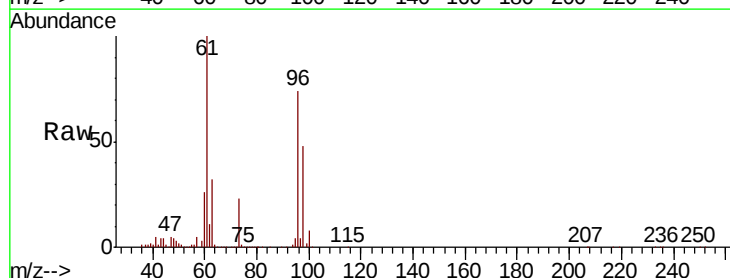


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

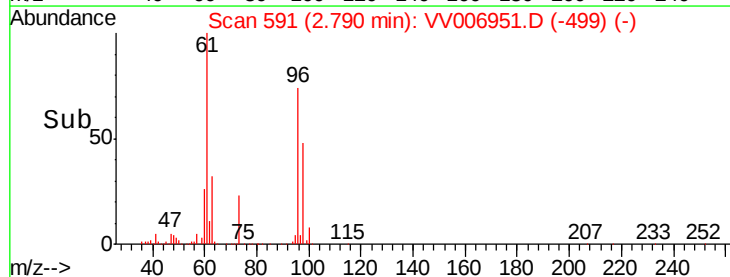
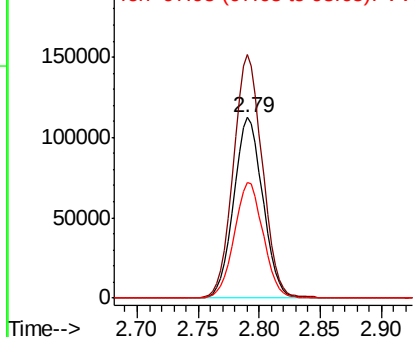


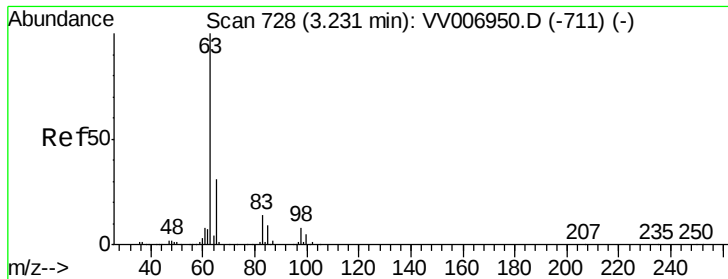
#18
trans-1,2-Dichloroethene
Concen: 9.986 ug/L
RT: 2.79 min Scan# 591
Delta R.T. -0.00 min
Lab File: VV006951.D
Acq: 09 Aug 2018 14:10

Tgt Ion: 96 Resp: 186554
Ion Ratio Lower Upper
96 100
61 134.7 91.1 169.3
98 64.1 43.5 80.9



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: 9.687 ug/L

RT: 3.23 min Scan# 728

Delta R.T. -0.00 min

Lab File: VV006951.D

Acq: 09 Aug 2018 14:10

Instrument :
MSVOA_V
ClientSampleId :

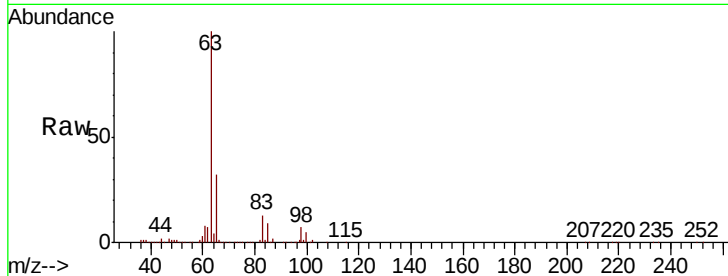
Tot Ion: 63 Resp: 326716

Ion Ratio Lower Upper

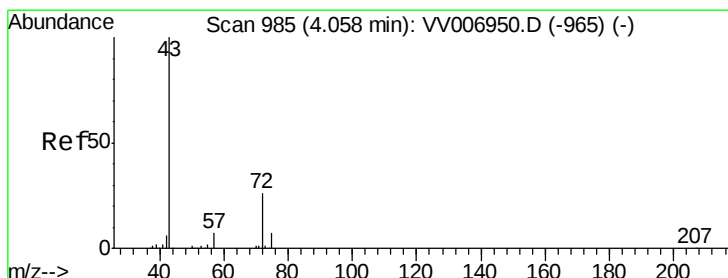
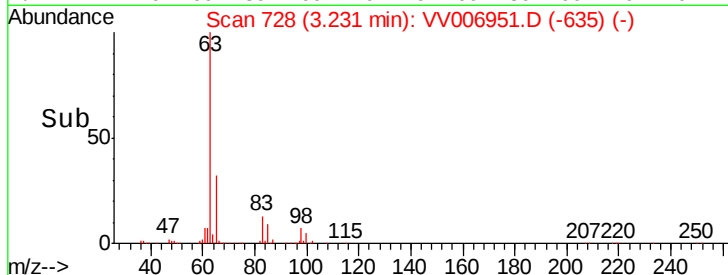
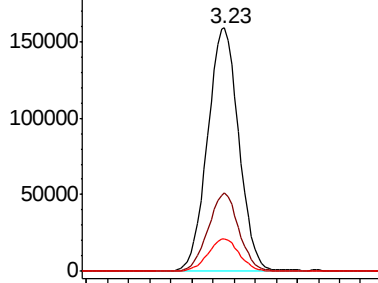
63 100

65 32.1 21.7 40.3

83 13.4 10.0 18.6



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



#21

2-Butanone

Concen: 93.296 ug/L

RT: 4.05 min Scan# 984

Delta R.T. -0.00 min

Lab File: VV006951.D

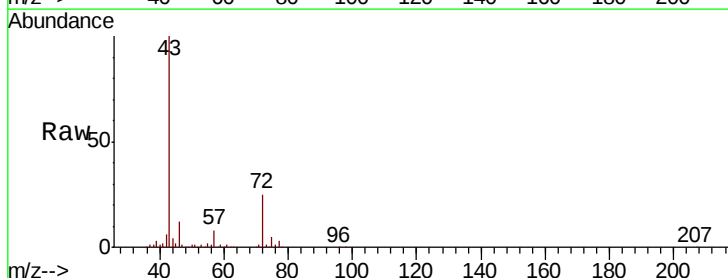
Acq: 09 Aug 2018 14:10

Tgt Ion: 43 Resp: 470417

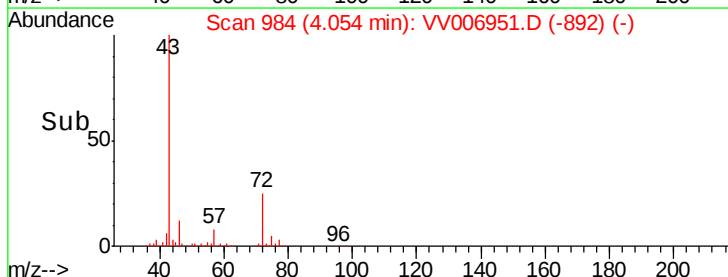
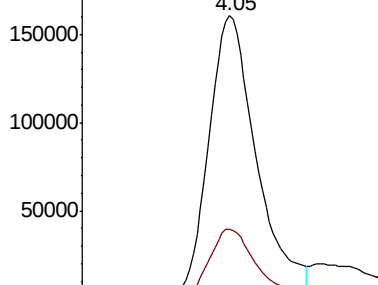
Ion Ratio Lower Upper

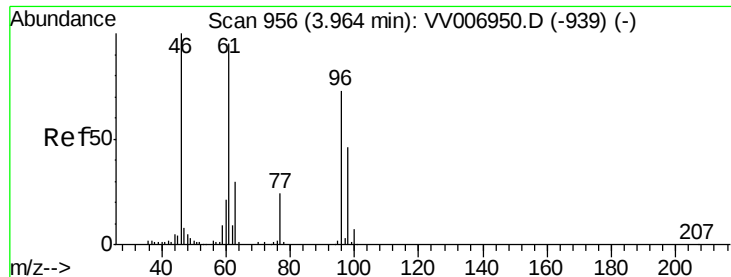
43 100

72 24.9 12.4 37.2



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





#22

cis-1,2-Dichloroethene

Concen: 9.566 ug/L

RT: 3.97 min Scan# 957

Delta R.T. 0.00 min

Lab File: VV006951.D

Acq: 09 Aug 2018 14:10

Instrument :
MSVOA_V
ClientSampleId :

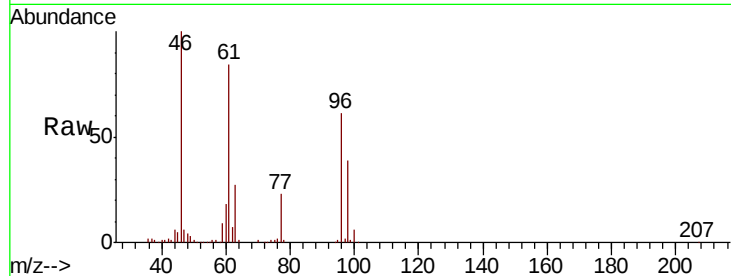
Tot Ion: 96 Resp: 202798

Ion Ratio Lower Upper

96 100

61 136.8 91.1 169.1

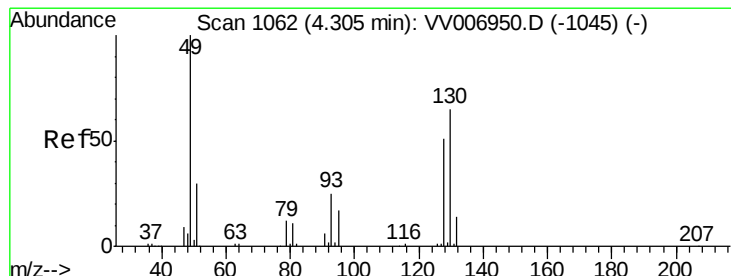
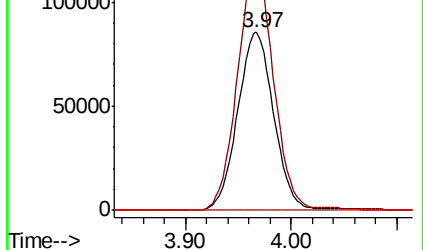
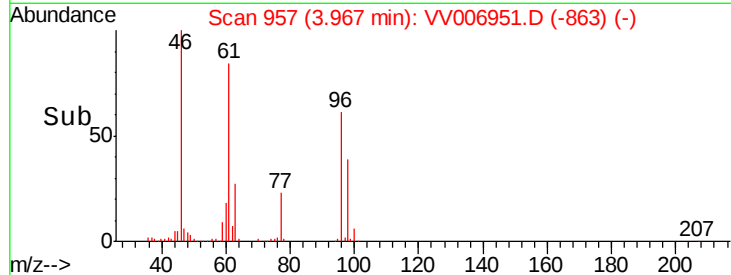
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV006951.D (-963) (-)

Ion 61.05 (60.75 to 61.75): VV006951.D (-963) (-)

Ion 68.15 (67.85 to 68.85): VV006951.D (-963) (-)



#23

Bromochloromethane

Concen: 9.998 ug/L

RT: 4.30 min Scan# 1062

Delta R.T. -0.00 min

Lab File: VV006951.D

Acq: 09 Aug 2018 14:10

Tgt Ion: 128 Resp: 86392

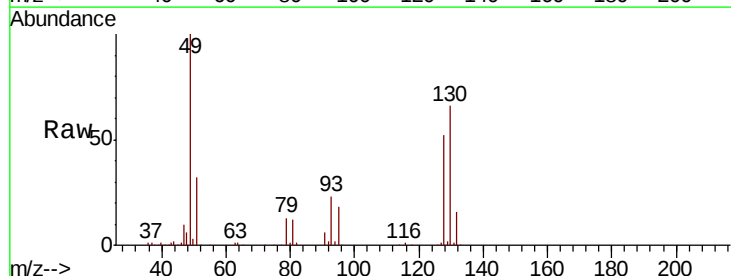
Ion Ratio Lower Upper

128 100

49 190.7 138.6 257.4

130 126.7 90.0 167.2

51 61.1 46.9 70.3

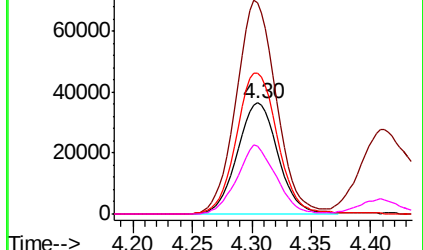
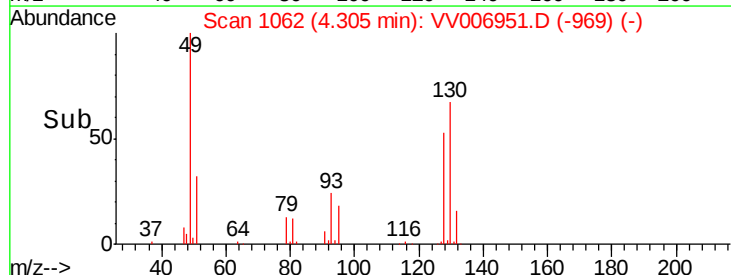


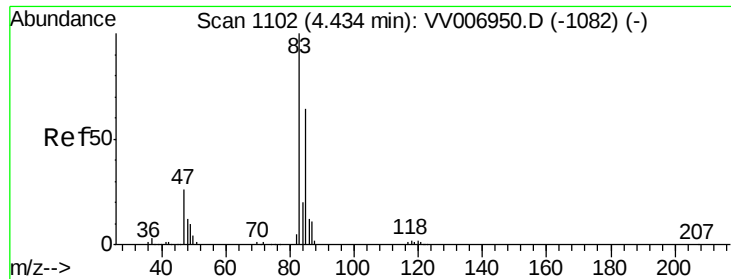
Abundance Ion 127.90 (127.60 to 128.60): VV006951.D (-969) (-)

Ion 49.10 (48.80 to 49.80): VV006951.D (-969) (-)

Ion 129.95 (129.65 to 130.65): VV006951.D (-969) (-)

Ion 51.05 (50.75 to 51.75): VV006951.D (-969) (-)





#25

Chloroform

Concen: 9.743 ug/L

RT: 4.43 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VV006951.D

Acq: 09 Aug 2018 14:10

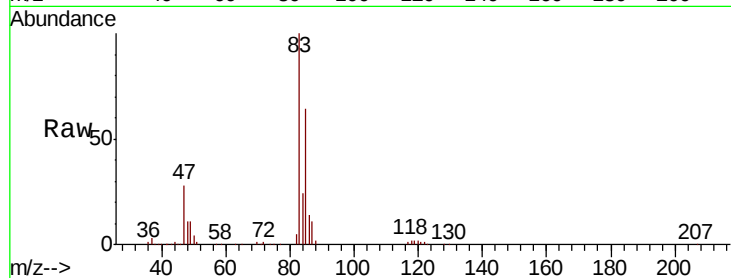
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 359505

Ion Ratio Lower Upper

83 100

85 63.9 44.7 82.9



Abundance Ion 83.05 (82.75 to 83.75): VV006951.D (-1082) (-)

Ion 85.00 (84.70 to 85.70): VV006951.D (-1082) (-)

4.43

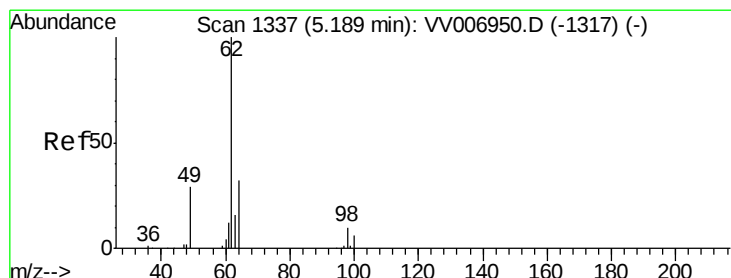
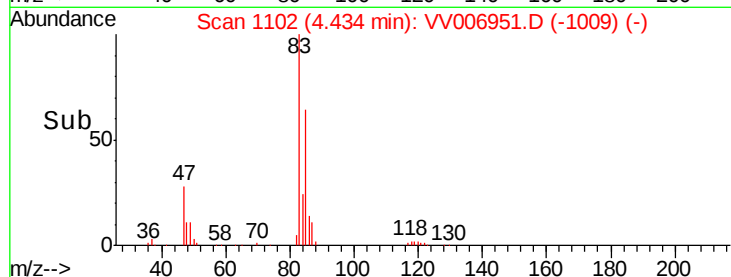
150000

100000

50000

0

Time-->



#27

1,2-Dichloroethane

Concen: 9.994 ug/L

RT: 5.19 min Scan# 1337

Delta R.T. -0.00 min

Lab File: VV006951.D

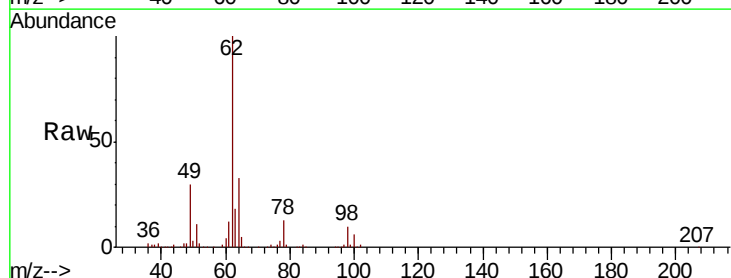
Acq: 09 Aug 2018 14:10

Tgt Ion: 62 Resp: 229988

Ion Ratio Lower Upper

62 100

98 10.4 7.6 11.4



Abundance Ion 62.00 (61.70 to 62.70): VV006951.D (-1244) (-)

Ion 98.05 (97.75 to 98.75): VV006951.D (-1244) (-)

5.19

120000

100000

80000

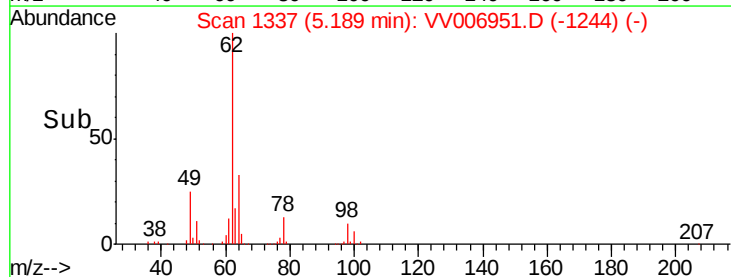
60000

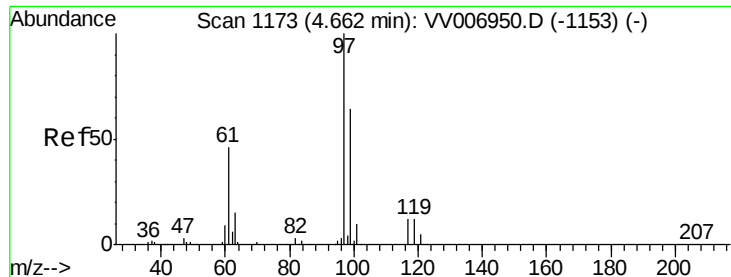
40000

20000

0

Time-->

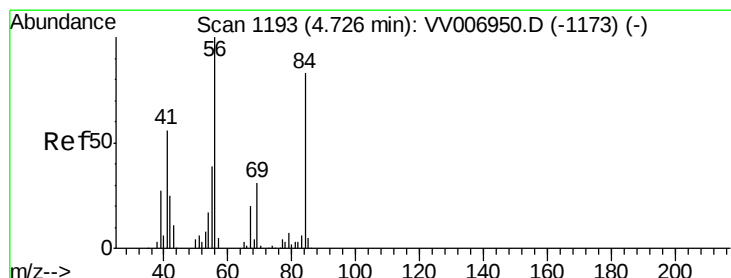
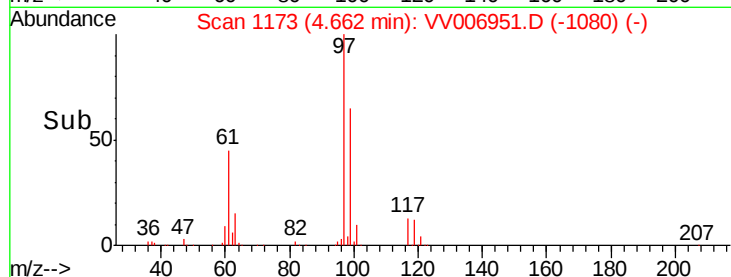
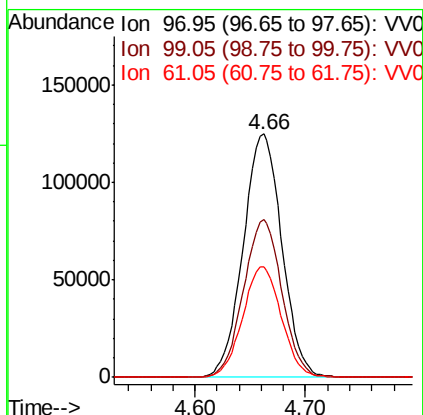
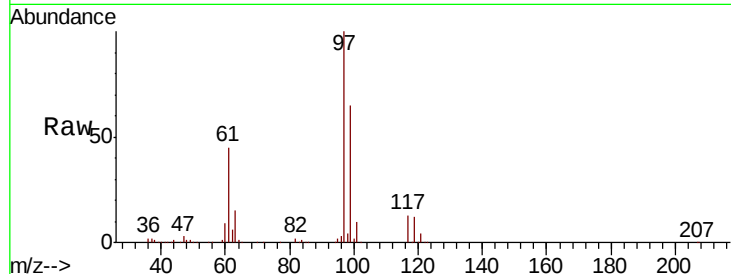




#29
 1,1,1-Trichloroethane
 Concen: 9.747 ug/L
 RT: 4.66 min Scan# 1173
 Delta R.T. -0.00 min
 Lab File: VV006951.D
 Acq: 09 Aug 2018 14:10

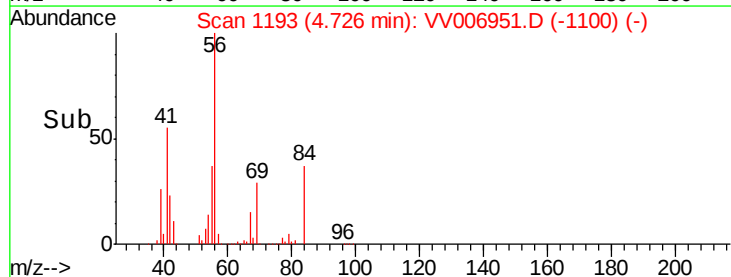
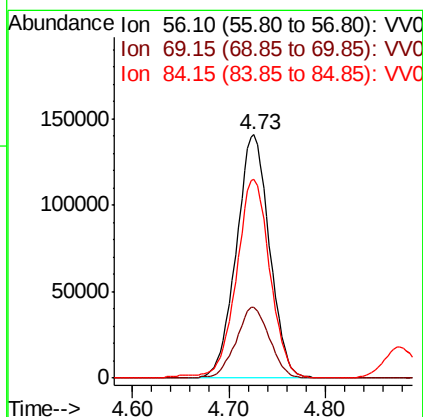
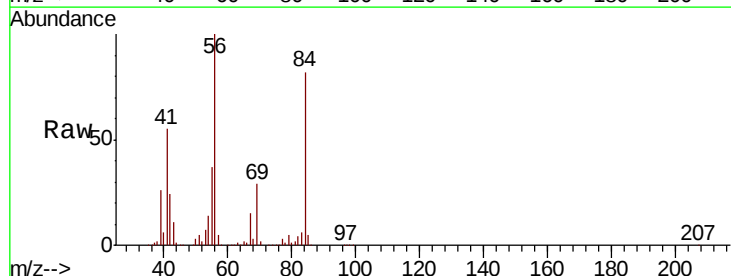
Instrument :
 MSVOA_V
 ClientSampleId :

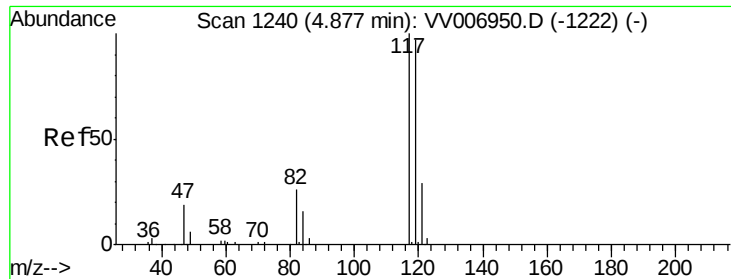
Tot Ion: 97 Resp: 304341
 Ion Ratio Lower Upper
 97 100
 99 64.4 51.0 76.6
 61 45.6 36.6 54.8



#30
 Cyclohexane
 Concen: 10.326 ug/L
 RT: 4.73 min Scan# 1193
 Delta R.T. -0.00 min
 Lab File: VV006951.D
 Acq: 09 Aug 2018 14:10

Tgt Ion: 56 Resp: 335598
 Ion Ratio Lower Upper
 56 100
 69 29.2 23.8 35.6
 84 81.9 67.9 101.9





#31

Carbon tetrachloride

Concen: 9.921 ug/L

RT: 4.88 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VV006951.D

Acq: 09 Aug 2018 14:10

Instrument :

MSVOA_V

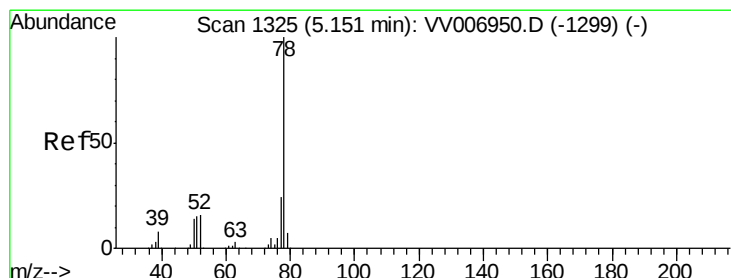
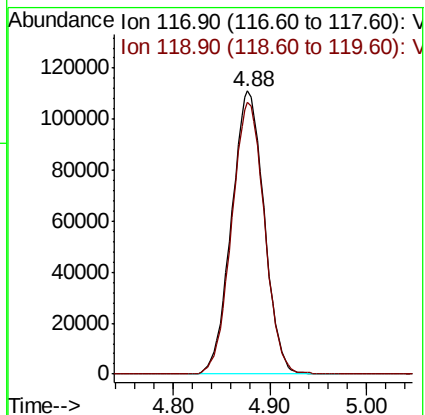
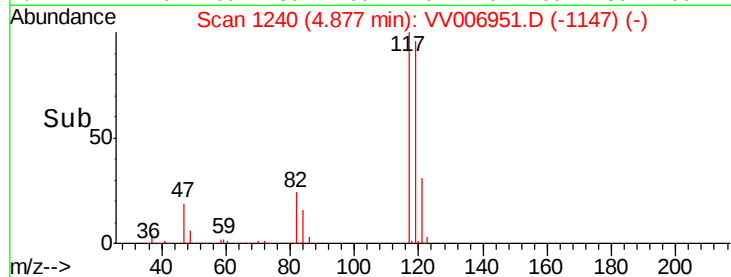
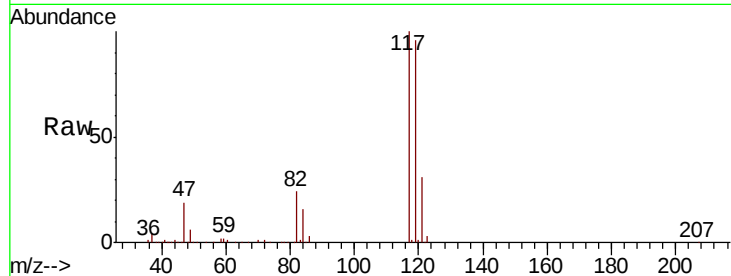
ClientSampleId :

Tot Ion:117 Resp: 259801

Ion Ratio Lower Upper

117 100

119 96.4 76.2 114.4



#33

Benzene

Concen: 10.301 ug/L

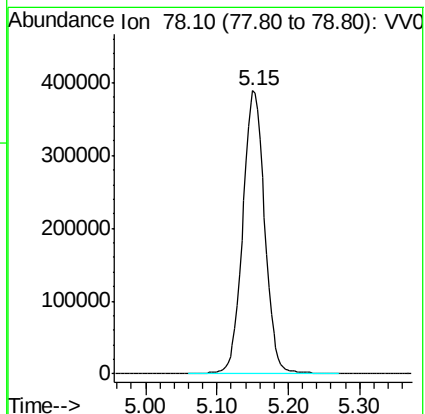
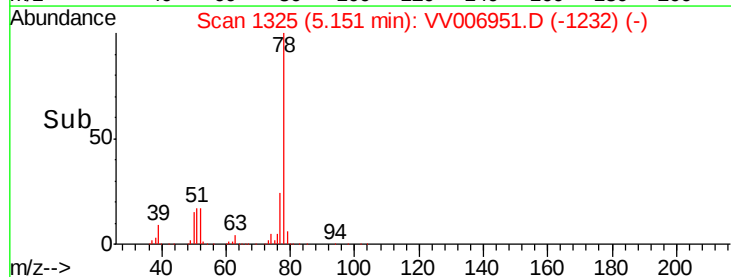
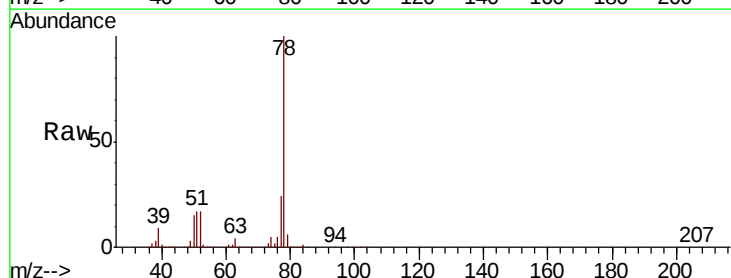
RT: 5.15 min Scan# 1325

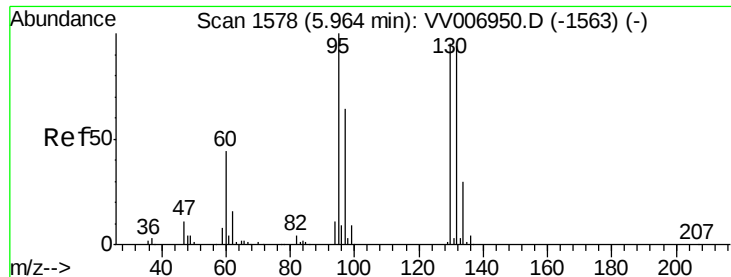
Delta R.T. -0.00 min

Lab File: VV006951.D

Acq: 09 Aug 2018 14:10

Tgt Ion: 78 Resp: 835684





#34

Trichloroethene

Concen: 9.949 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VV006951.D

Acq: 09 Aug 2018 14:10

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 193544

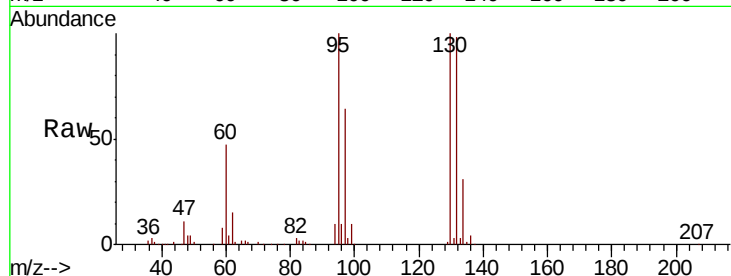
Ion Ratio Lower Upper

95 100

97 63.9 44.8 83.2

132 98.3 65.5 121.6

130 100.1 66.4 123.4



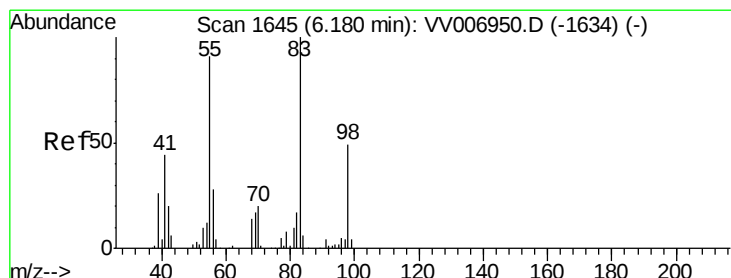
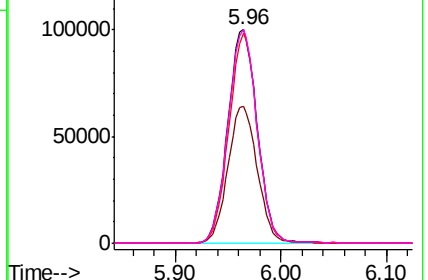
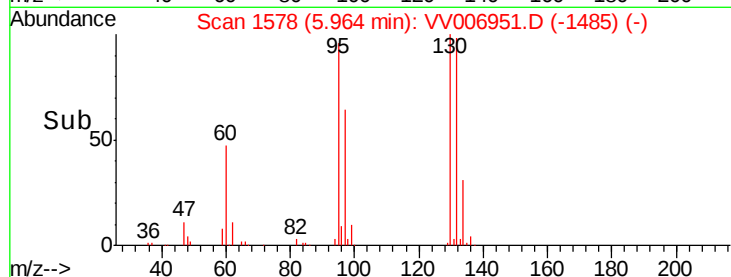
Abundance

Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 10.608 ug/L

RT: 6.18 min Scan# 1645

Delta R.T. -0.00 min

Lab File: VV006951.D

Acq: 09 Aug 2018 14:10

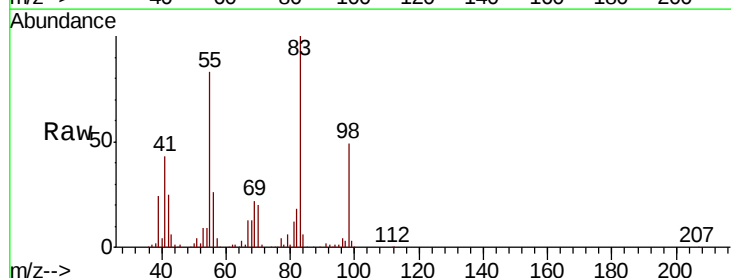
Tgt Ion: 83 Resp: 331313

Ion Ratio Lower Upper

83 100

55 84.6 68.1 102.1

98 48.1 37.9 56.9

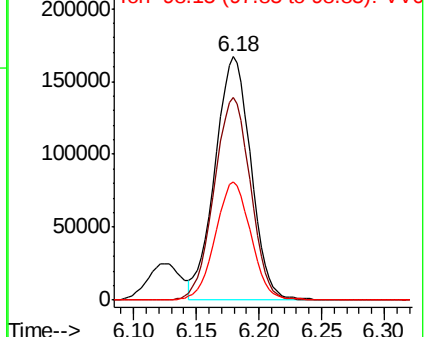
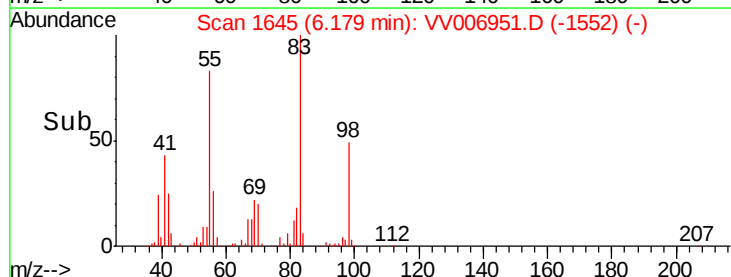


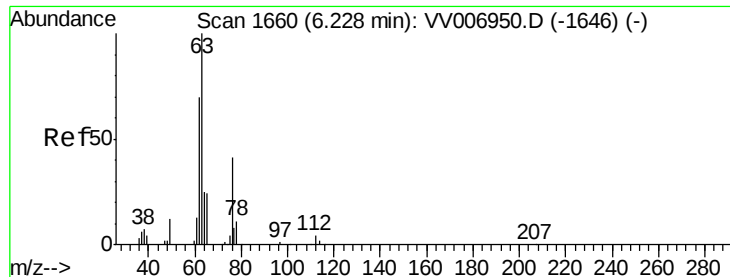
Abundance

Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 10.086 ug/L

RT: 6.23 min Scan# 1660

Delta R.T. -0.00 min

Lab File: VV006951.D

Acq: 09 Aug 2018 14:10

Instrument :

MSVOA_V

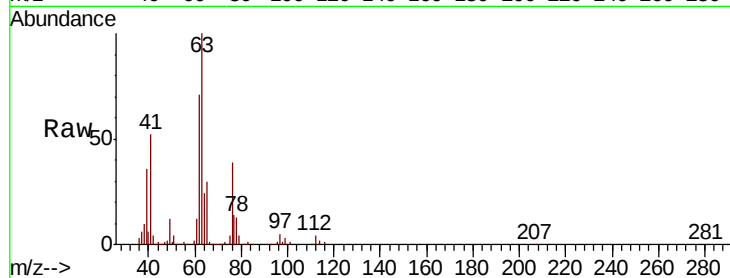
ClientSampled :

Tot Ion: 63 Resp: 223976

Ion Ratio Lower Upper

63 100

112 4.3 3.5 5.3



Abundance Ion 63.10 (62.80 to 63.80): VV006951.D (-1646) (-)

Ion 112.10 (111.80 to 112.80): VV006951.D (-1646) (-)

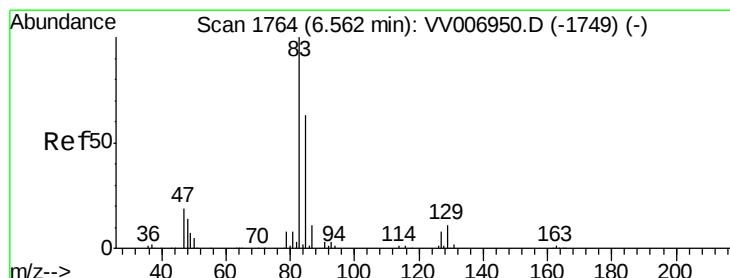
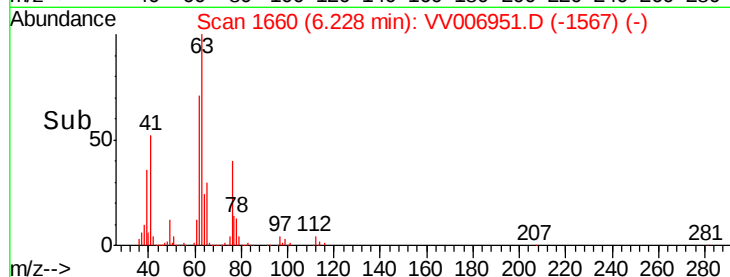
6.23

100000

50000

0

Time-->



#38

Bromodichloromethane

Concen: 9.971 ug/L

RT: 6.56 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VV006951.D

Acq: 09 Aug 2018 14:10

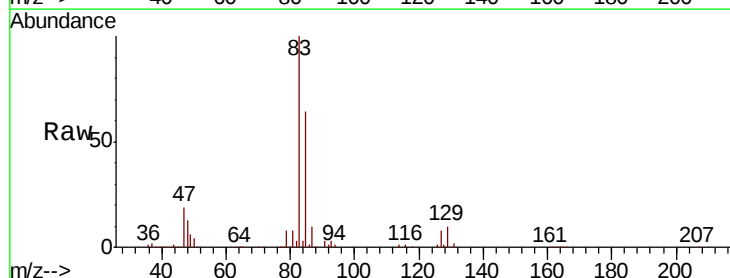
Tgt Ion: 83 Resp: 251599

Ion Ratio Lower Upper

83 100

85 63.7 43.8 81.4

127 8.4 6.6 10.0



Abundance Ion 82.95 (82.65 to 83.65): VV006951.D (-1671) (-)

Ion 85.00 (84.70 to 85.70): VV006951.D (-1671) (-)

Ion 126.90 (126.60 to 127.60): VV006951.D (-1671) (-)

6.56

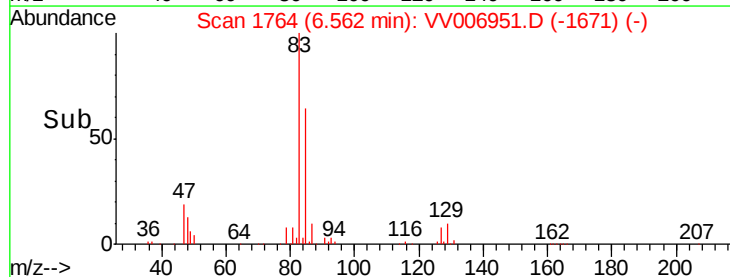
150000

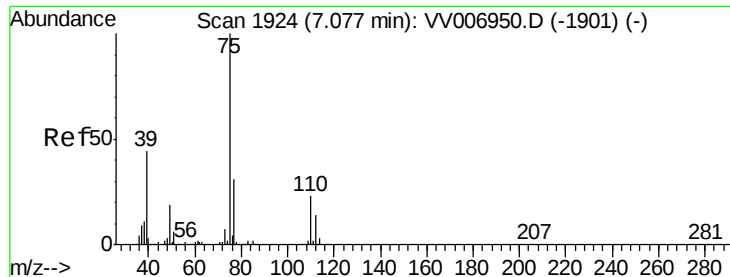
100000

50000

0

Time-->



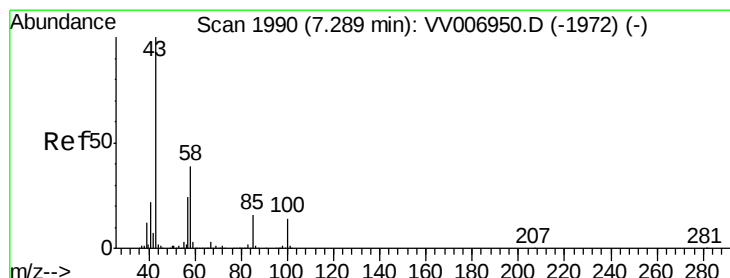
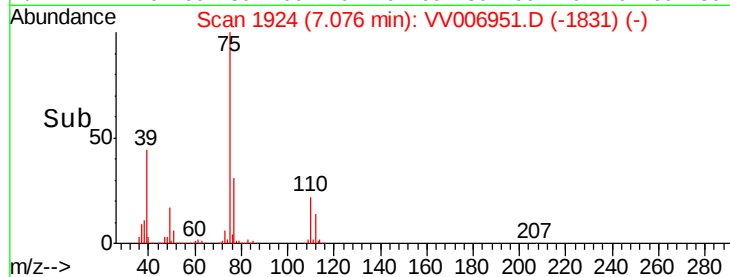
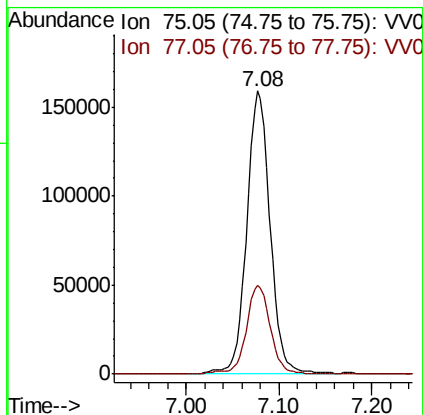
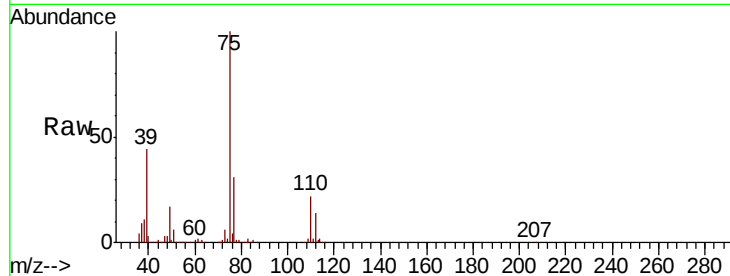


#39

cis-1,3-Dichloropropene
 Concen: 10.387 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. -0.00 min
 Lab File: VV006951.D
 Acq: 09 Aug 2018 14:10

Instrument :
 MSVOA_V
 ClientSampleId :

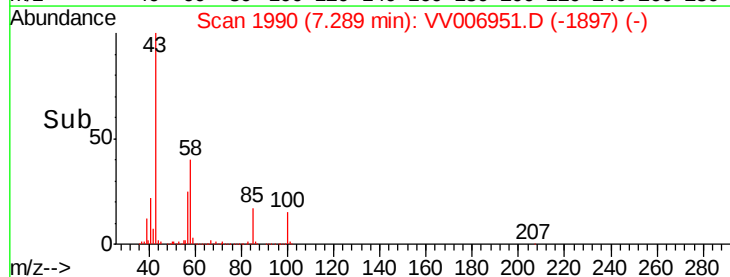
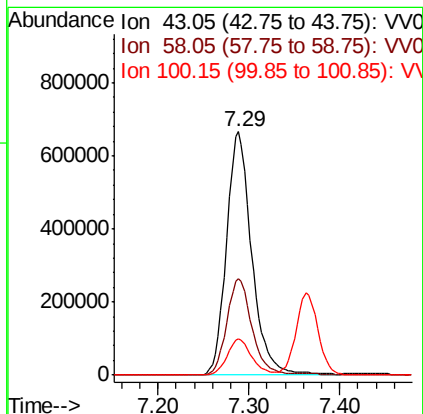
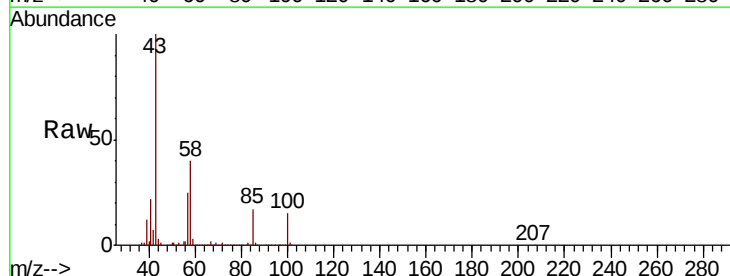
Tot Ion: 75 Resp: 278670
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.0 40.8

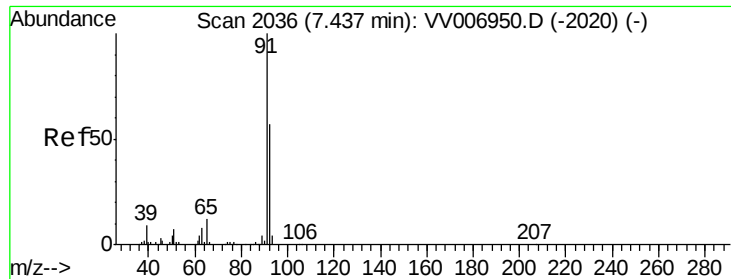


#40

4-Methyl-2-pentanone
 Concen: 107.051 ug/L
 RT: 7.29 min Scan# 1990
 Delta R.T. -0.00 min
 Lab File: VV006951.D
 Acq: 09 Aug 2018 14:10

Tgt Ion: 43 Resp: 1284174
 Ion Ratio Lower Upper
 43 100
 58 39.4 30.7 46.1
 100 14.5 11.2 16.8





#42

Toluene

Concen: 10.808 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. -0.00 min

Lab File: VV006951.D

Acq: 09 Aug 2018 14:10

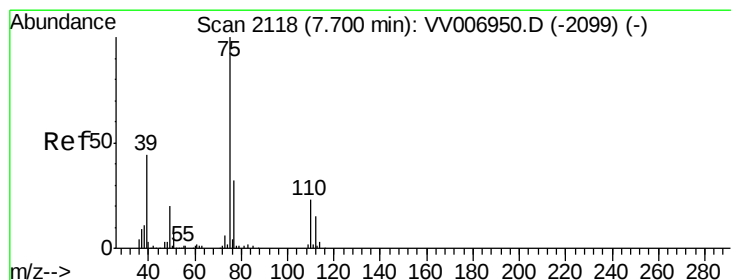
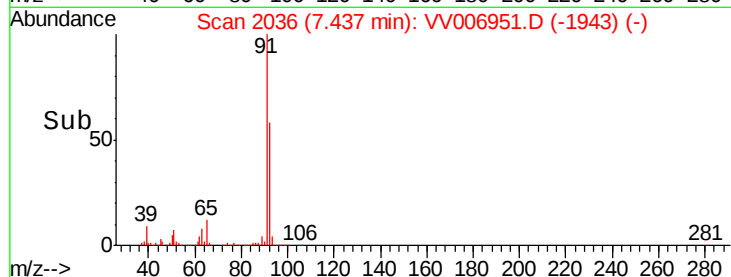
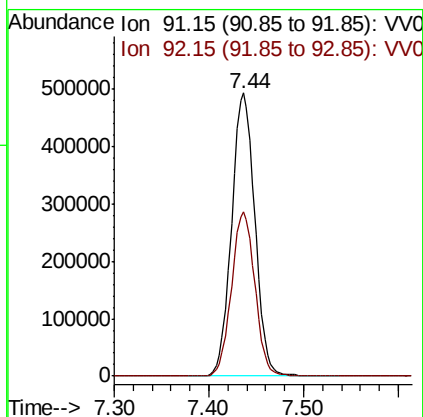
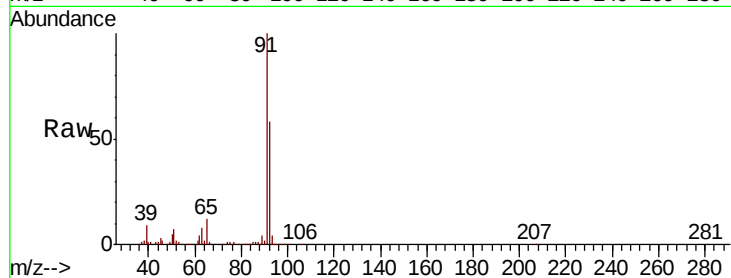
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 842589

Ion Ratio Lower Upper

91 100

92 58.1 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 10.522 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VV006951.D

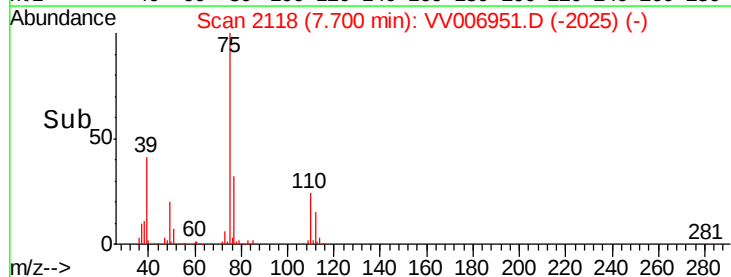
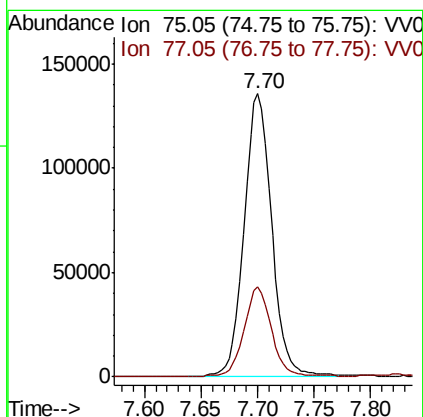
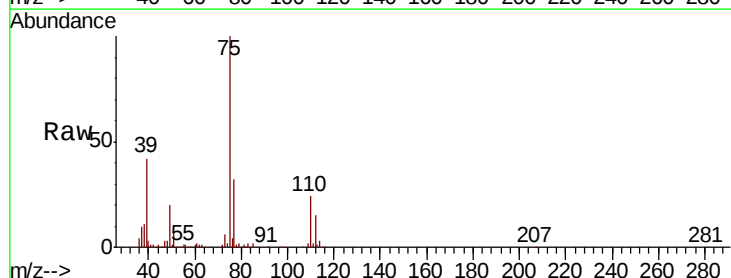
Acq: 09 Aug 2018 14:10

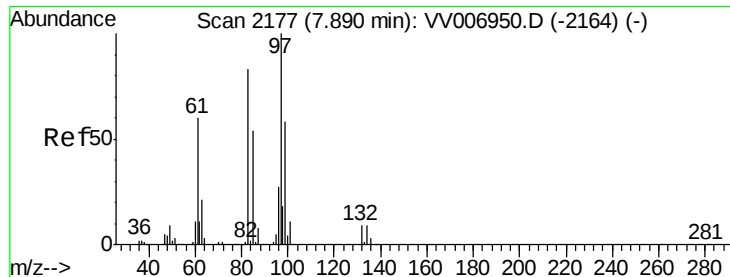
Tgt Ion: 75 Resp: 231703

Ion Ratio Lower Upper

75 100

77 31.8 22.3 41.3

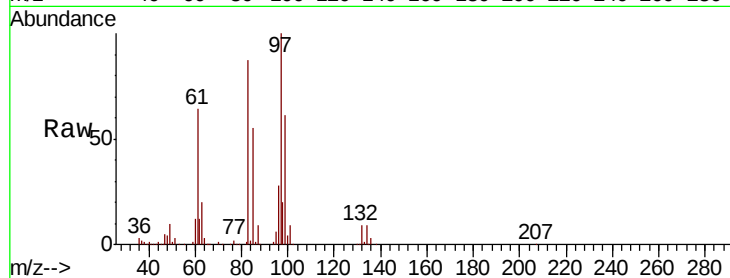




#45
 1,1,2-Trichloroethane
 Concen: 9.743 ug/L
 RT: 7.89 min Scan# 2177
 Delta R.T. -0.00 min
 Lab File: VV006951.D
 Acq: 09 Aug 2018 14:10

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	140759
Ion	Ratio	Lower	Upper
97	100		
99	61.1	40.6	75.4
83	86.6	58.0	107.8
85	55.3	37.5	69.7



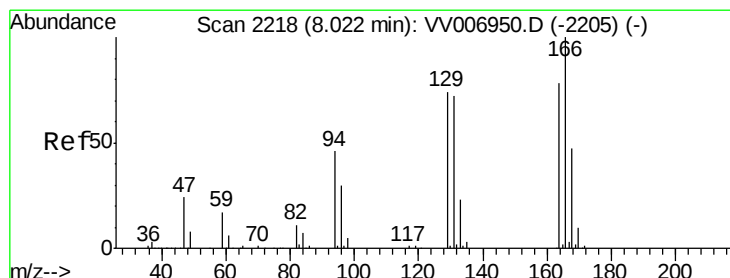
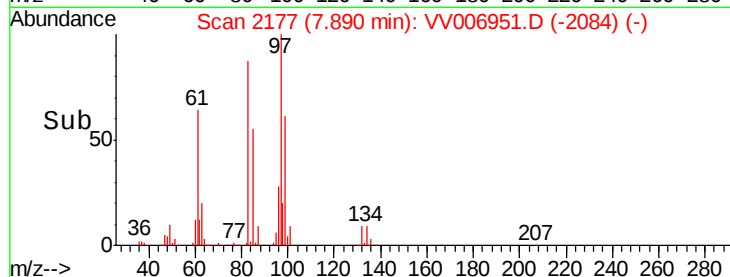
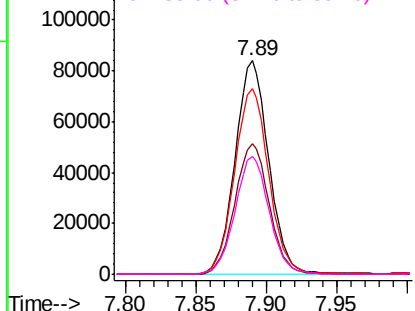
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

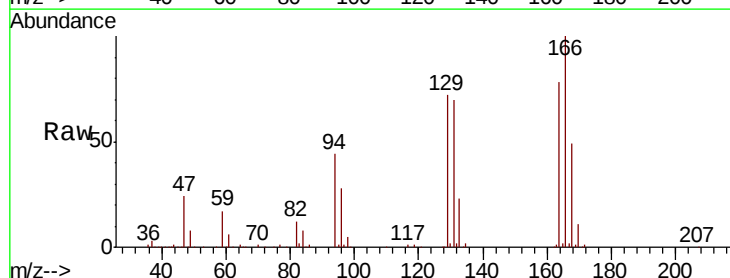
Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47
 Tetrachloroethene
 Concen: 9.942 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VV006951.D
 Acq: 09 Aug 2018 14:10

Tgt Ion:	164	Resp:	156820
Ion	Ratio	Lower	Upper
164	100		
129	92.2	65.9	122.3
131	89.7	64.2	119.2
166	127.9	89.4	166.0



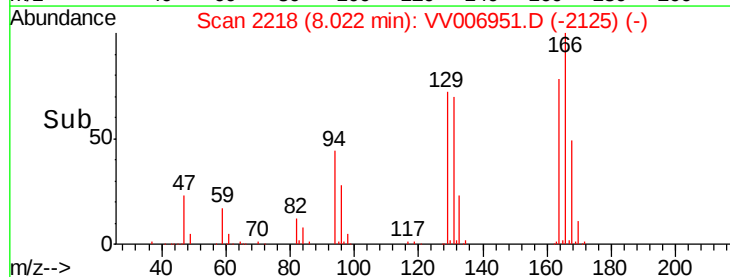
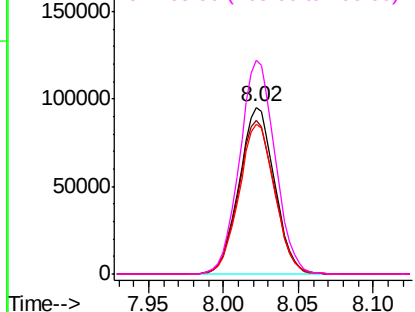
Abundance

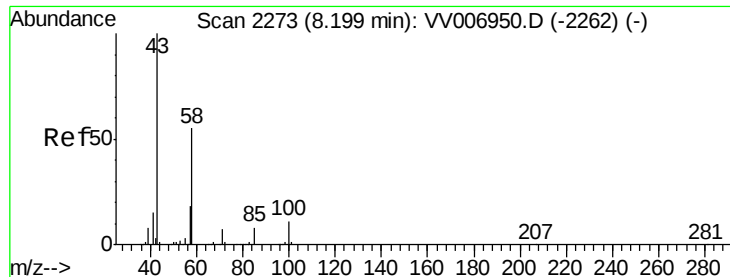
Ion 163.90 (163.60 to 164.60): V

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

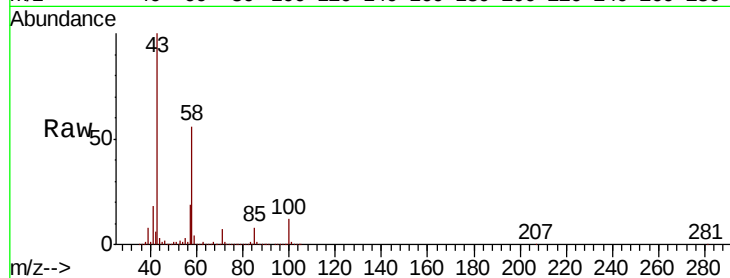




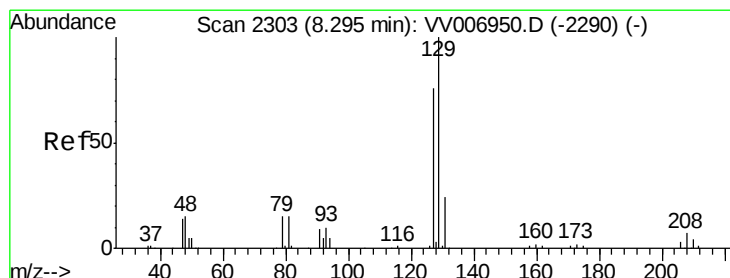
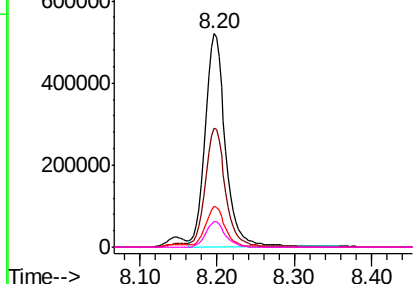
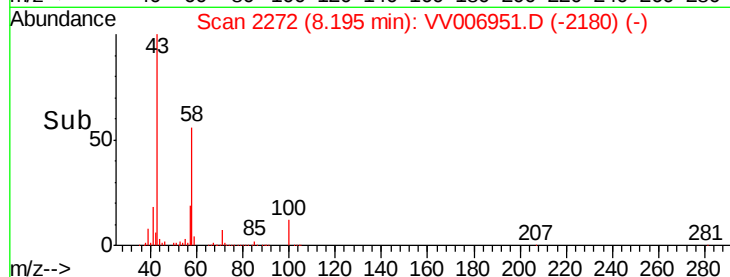
#48
2-Hexanone
Concen: 112.383 ug/L
RT: 8.20 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VV006951.D
Acq: 09 Aug 2018 14:10

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	43	Resp:	950819
Ion	Ratio	Lower	Upper
43	100		
58	57.9	44.2	66.2
57	18.4	14.8	22.2
100	11.6	8.8	13.2

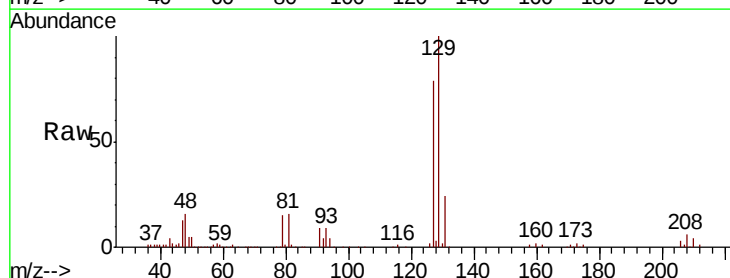


Abundance Ion 43.05 (42.75 to 43.75): VV006951.D (-2262) (-)
Ion 58.05 (57.75 to 58.75): VV006951.D (-2262) (-)
Ion 57.20 (56.90 to 57.90): VV006951.D (-2262) (-)
Ion 100.15 (99.85 to 100.85): VV006951.D (-2262) (-)

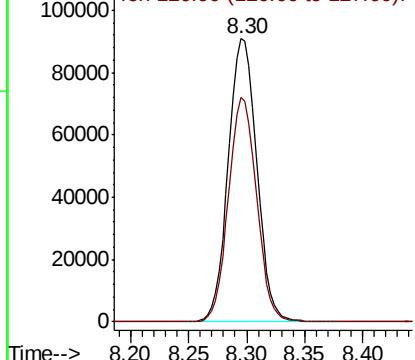
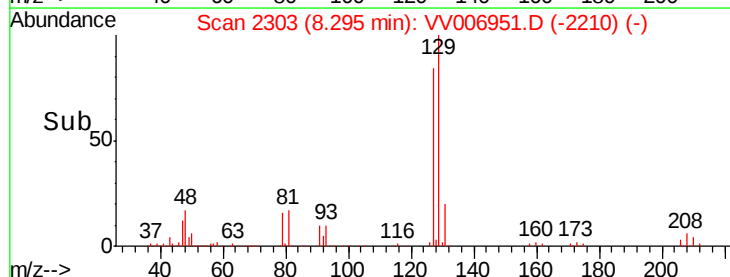


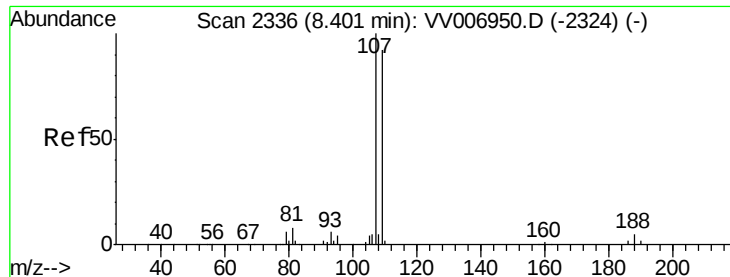
#49
Dibromochloromethane
Concen: 10.257 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VV006951.D
Acq: 09 Aug 2018 14:10

Tgt Ion:	129	Resp:	155453
Ion	Ratio	Lower	Upper
129	100		
127	79.5	53.3	98.9



Abundance Ion 128.95 (128.65 to 129.65): VV006951.D (-2290) (-)
Ion 126.90 (126.60 to 127.60): VV006951.D (-2290) (-)





#50

1,2-Dibromoethane

Concen: 10.185 ug/L

RT: 8.40 min Scan# 2336

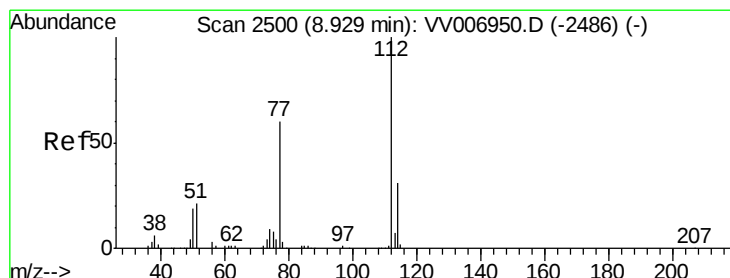
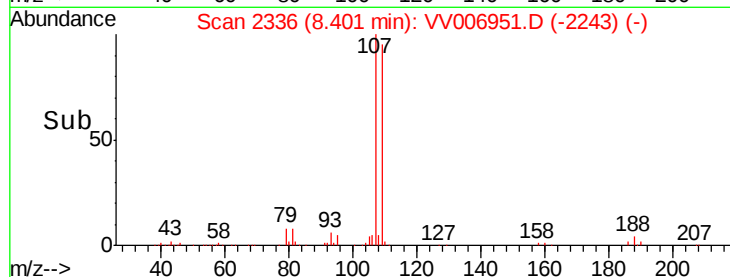
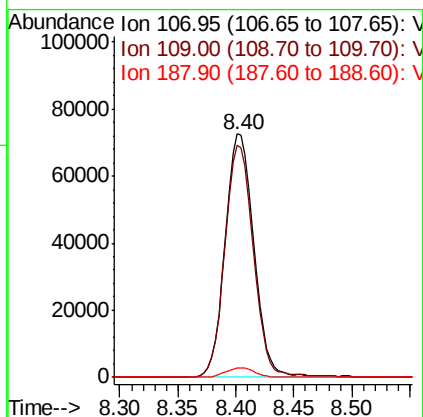
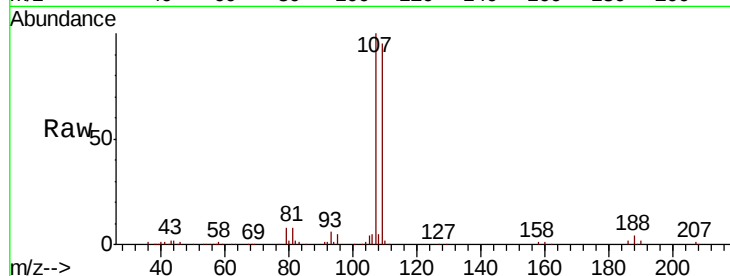
Delta R.T. -0.00 min

Lab File: VV006951.D

Acq: 09 Aug 2018 14:10

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	107	Resp:	124298
Ion	Ratio	Lower	Upper
107	100		
109	95.2	64.1	119.1
188	3.9	4.0	6.0#



#51

Chlorobenzene

Concen: 10.082 ug/L

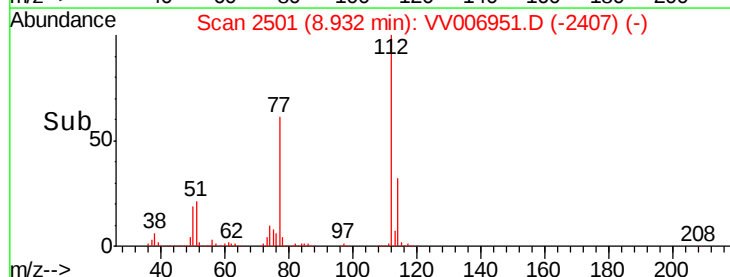
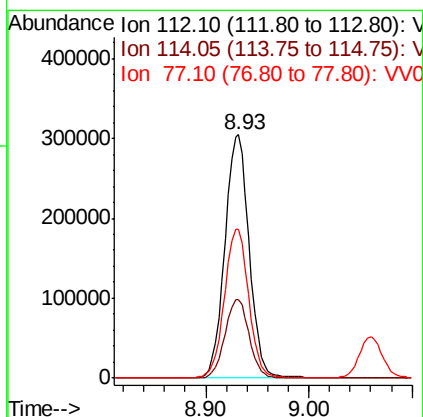
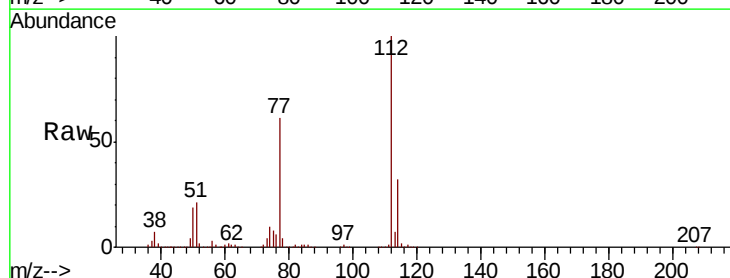
RT: 8.93 min Scan# 2501

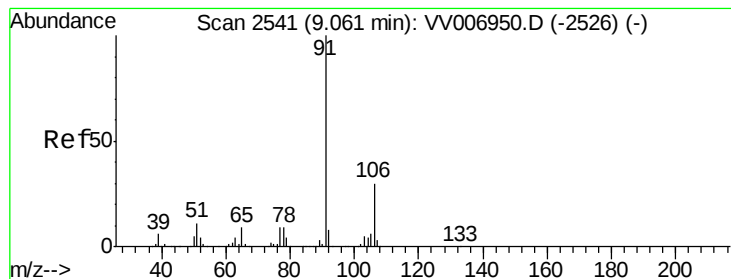
Delta R.T. 0.00 min

Lab File: VV006951.D

Acq: 09 Aug 2018 14:10

Tgt Ion:	112	Resp:	500995
Ion	Ratio	Lower	Upper
112	100		
114	32.4	21.8	40.6
77	61.0	48.0	72.0





#52

Ethylbenzene

Concen: 10.958 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. -0.00 min

Lab File: VV006951.D

Acq: 09 Aug 2018 14:10

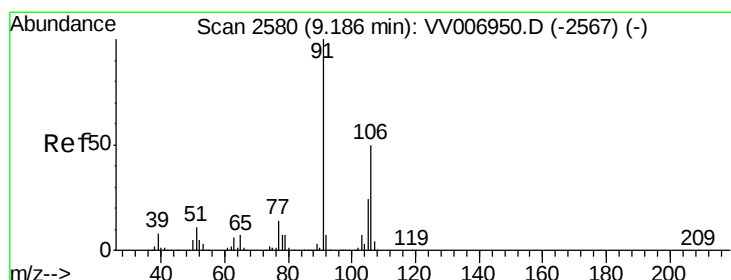
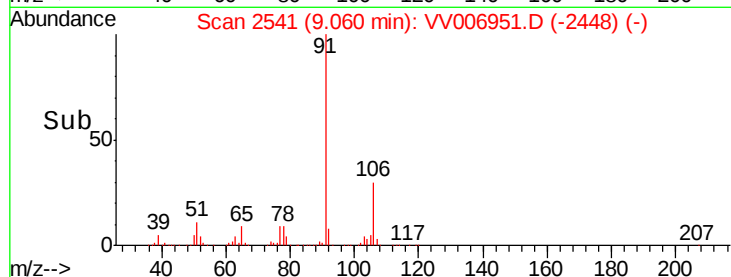
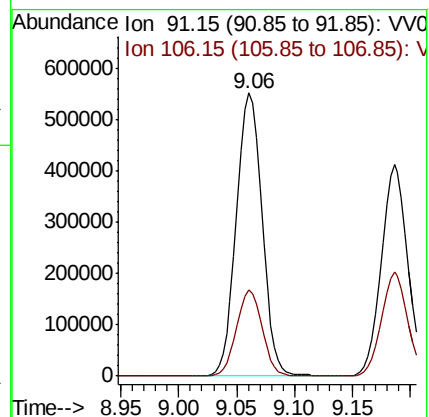
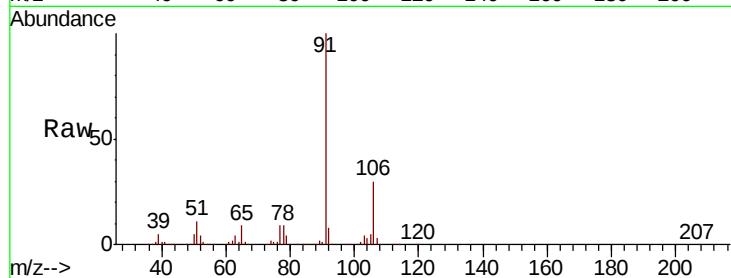
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 853060

Ion Ratio Lower Upper

91 100

106 30.3 21.3 39.5



#53

m,p-xylene

Concen: 11.068 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. -0.00 min

Lab File: VV006951.D

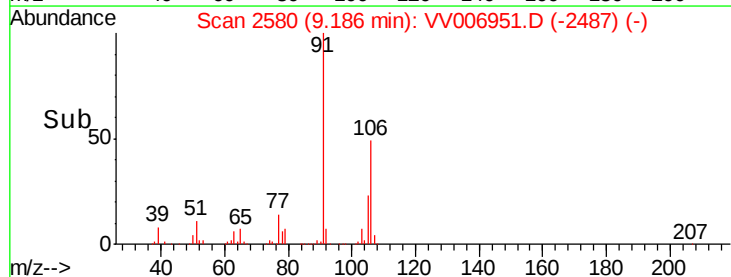
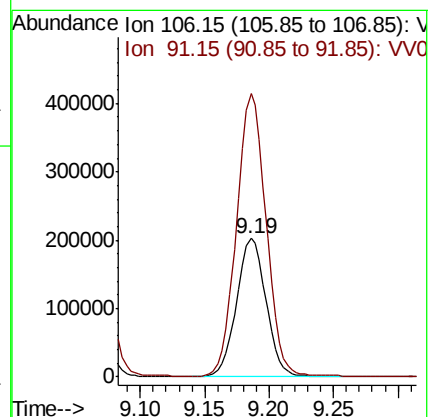
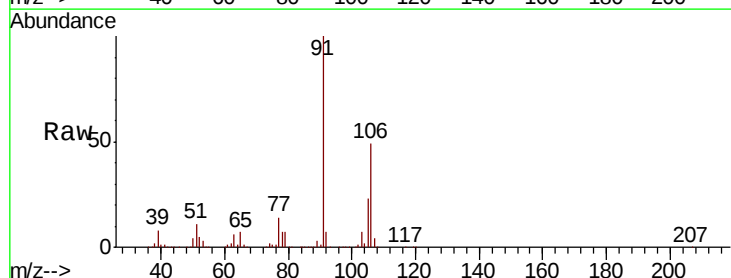
Acq: 09 Aug 2018 14:10

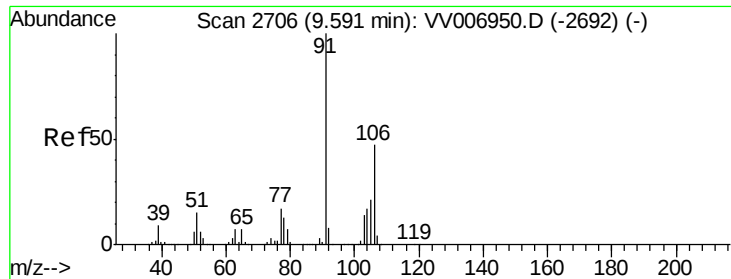
Tgt Ion: 106 Resp: 321180

Ion Ratio Lower Upper

106 100

91 204.3 141.6 263.0





#54

o-xylene

Concen: 11.166 ug/L

RT: 9.59 min Scan# 2707

Delta R.T. 0.00 min

Lab File: VV006951.D

Acq: 09 Aug 2018 14:10

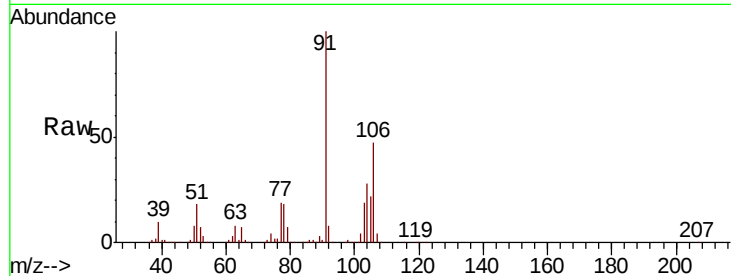
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 307047

Ion Ratio Lower Upper

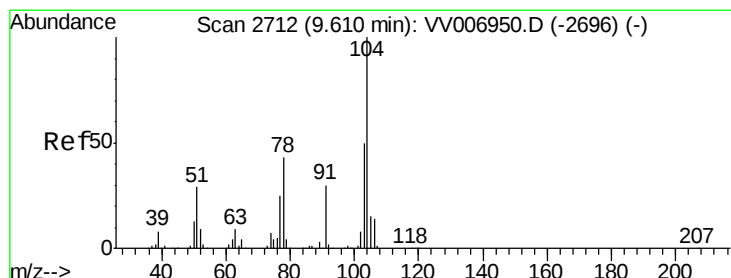
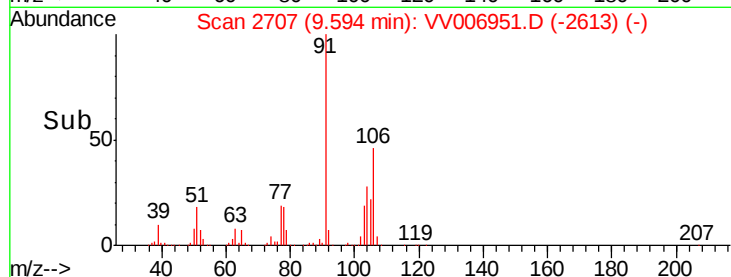
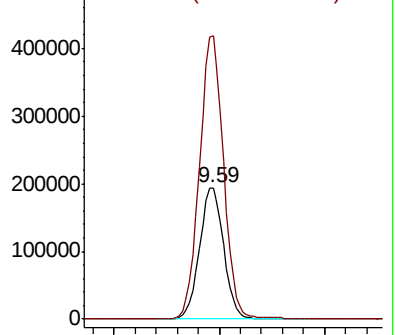
106 100

91 215.0 149.8 278.2



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 11.717 ug/L

RT: 9.61 min Scan# 2712

Delta R.T. -0.00 min

Lab File: VV006951.D

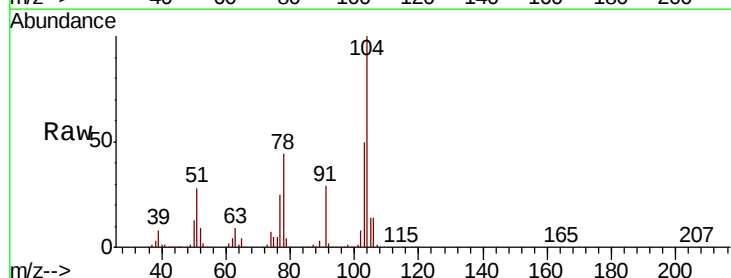
Acq: 09 Aug 2018 14:10

Tgt Ion:104 Resp: 543101

Ion Ratio Lower Upper

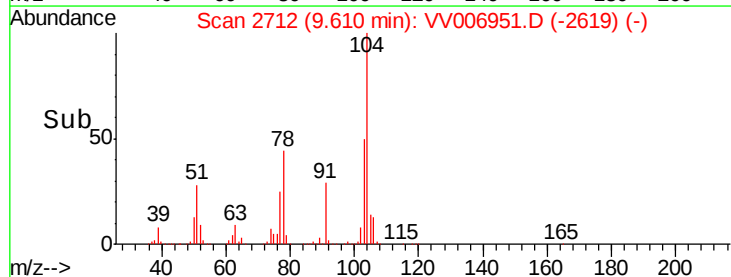
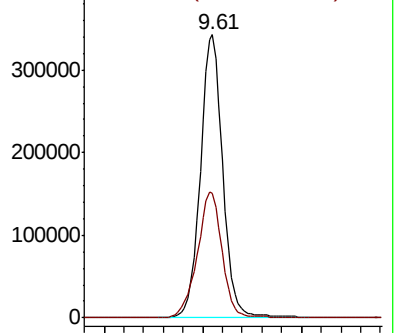
104 100

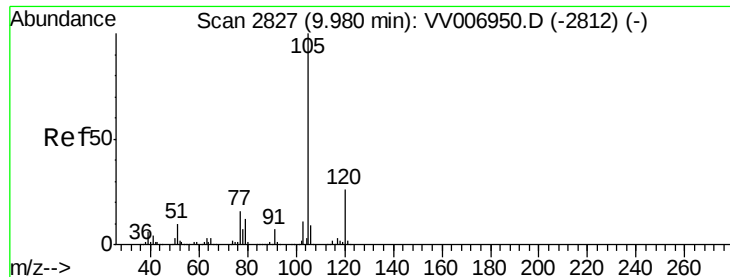
78 43.8 30.4 56.5



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 11.190 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. -0.00 min

Lab File: VV006951.D

Acq: 09 Aug 2018 14:10

Instrument :

MSVOA_V

ClientSampleId :

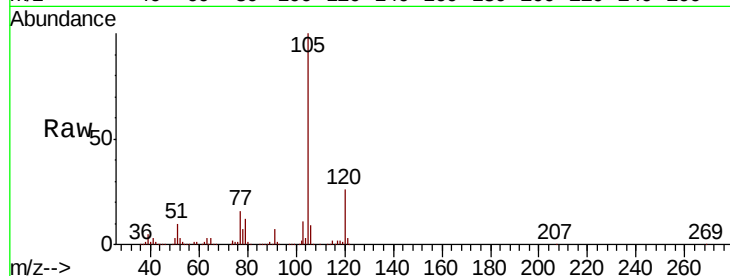
Tot Ion:105 Resp: 807292

Ion Ratio Lower Upper

105 100

120 25.9 21.1 31.7

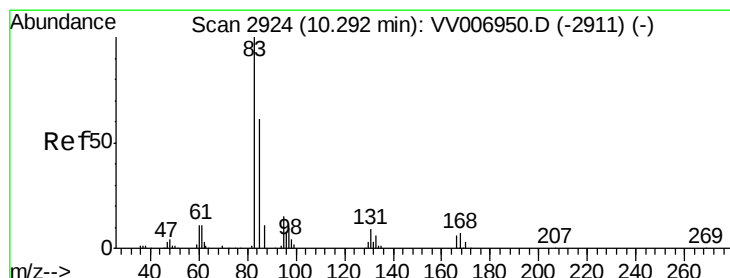
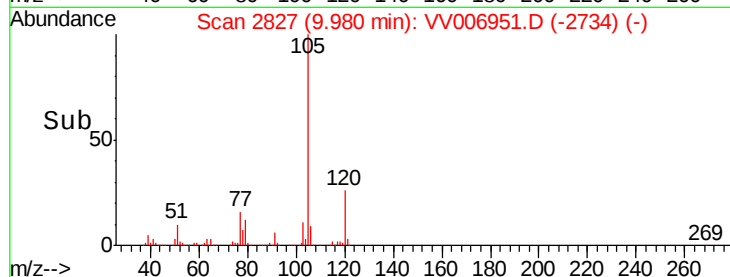
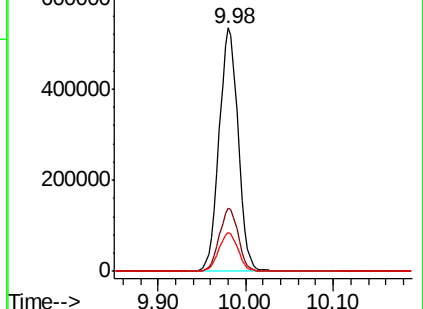
77 16.2 13.0 19.4



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: 9.928 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. -0.00 min

Lab File: VV006951.D

Acq: 09 Aug 2018 14:10

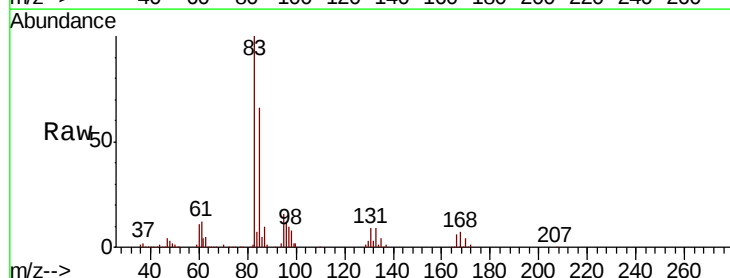
Tgt Ion: 83 Resp: 174324

Ion Ratio Lower Upper

83 100

85 65.7 43.0 79.8

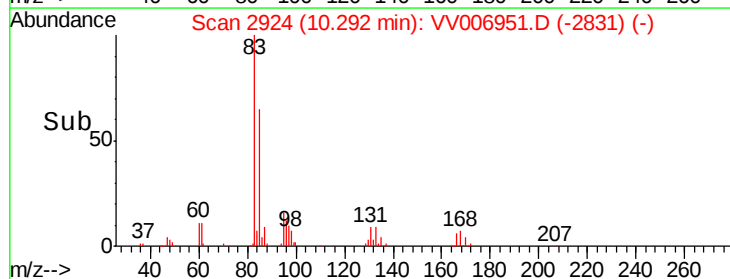
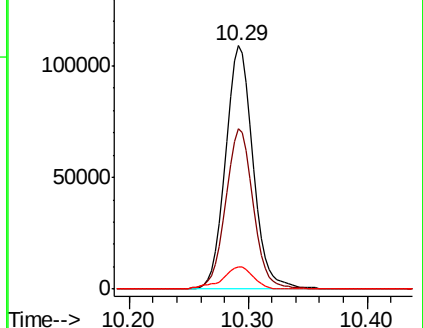
131 9.3 7.4 11.2

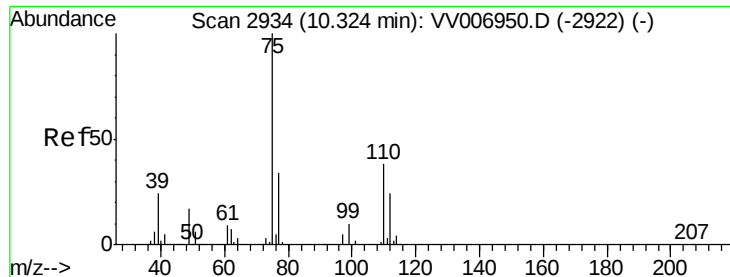


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 9.937 ug/L

RT: 10.32 min Scan# 2934

Delta R.T. -0.00 min

Lab File: VV006951.D

Acq: 09 Aug 2018 14:10

Instrument :

MSVOA_V

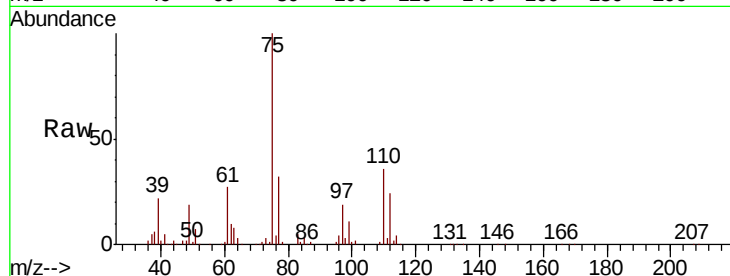
ClientSampleId :

Tot Ion: 75 Resp: 123529

Ion Ratio Lower Upper

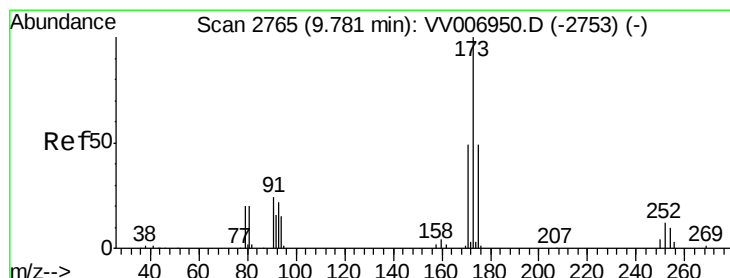
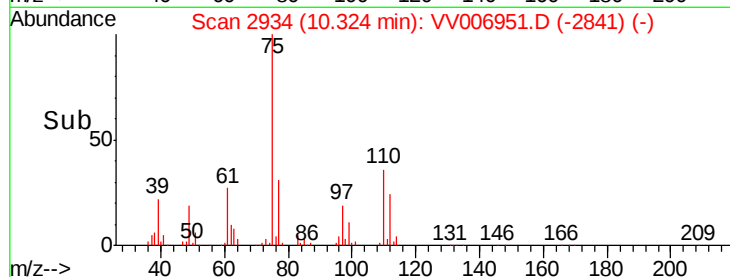
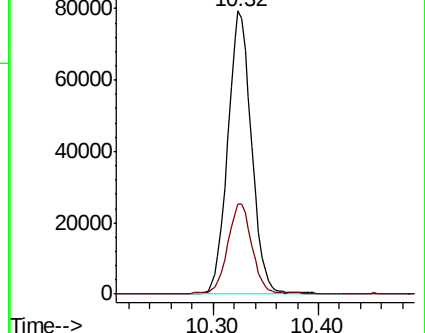
75 100

77 32.0 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VV006951.D (-2922) (-)

Ion 77.00 (76.70 to 77.70): VV006951.D (-2922) (-)



#61

Bromoform

Concen: 9.487 ug/L

RT: 9.78 min Scan# 2765

Delta R.T. -0.00 min

Lab File: VV006951.D

Acq: 09 Aug 2018 14:10

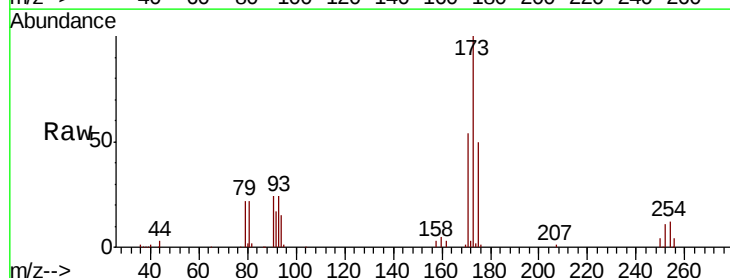
Tgt Ion:173 Resp: 81138

Ion Ratio Lower Upper

173 100

175 49.0 39.3 58.9

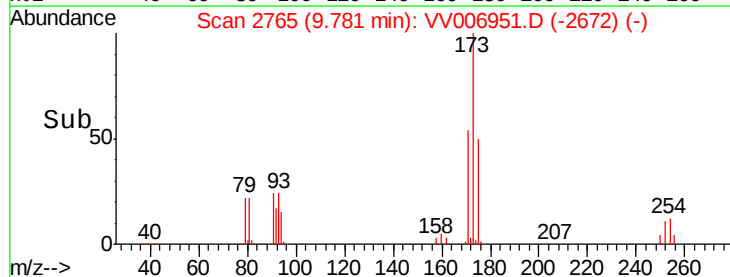
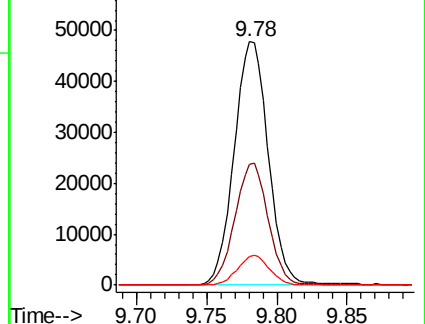
254 11.5 8.3 12.5

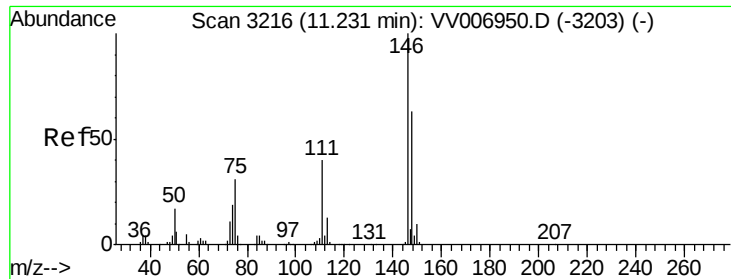


Abundance Ion 172.90 (172.60 to 173.60): VV006951.D (-2753) (-)

Ion 174.90 (174.60 to 175.60): VV006951.D (-2753) (-)

Ion 253.75 (253.45 to 254.45): VV006951.D (-2753) (-)

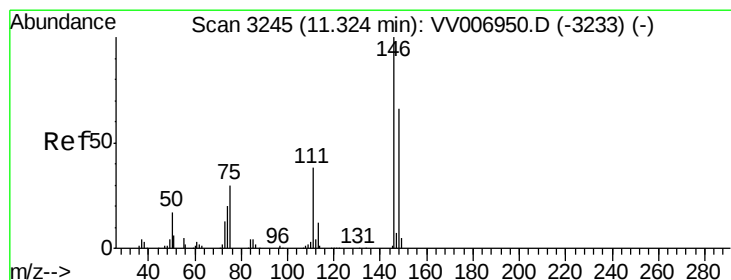
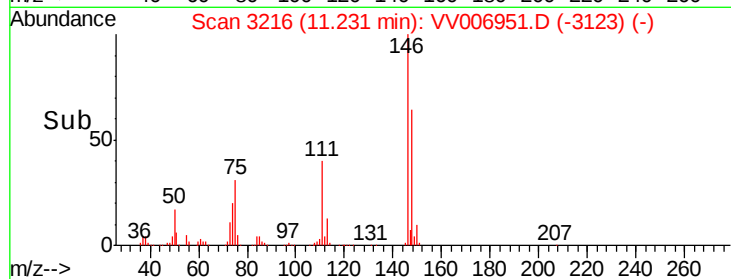
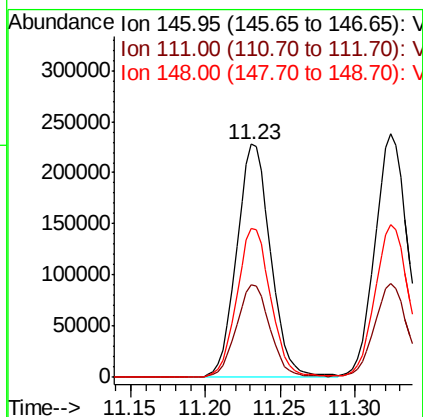
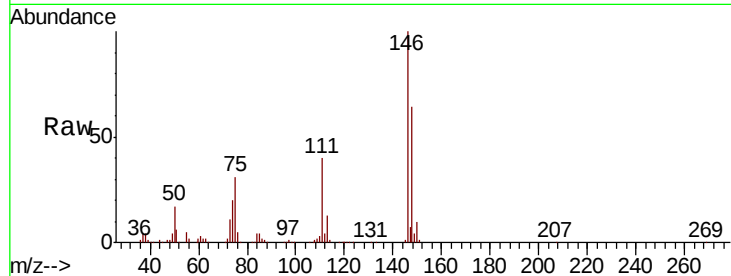




#62
 1,3-Dichlorobenzene
 Concen: 9.841 ug/L
 RT: 11.23 min Scan# 3216
 Delta R.T. -0.00 min
 Lab File: VV006951.D
 Acq: 09 Aug 2018 14:10

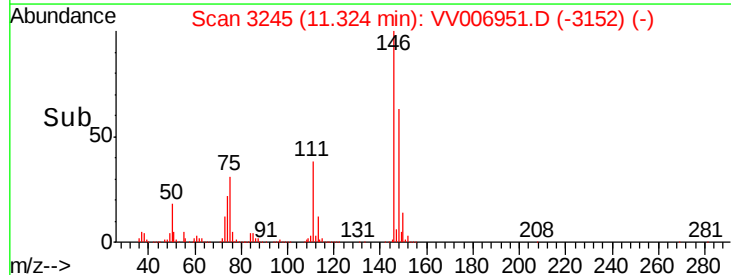
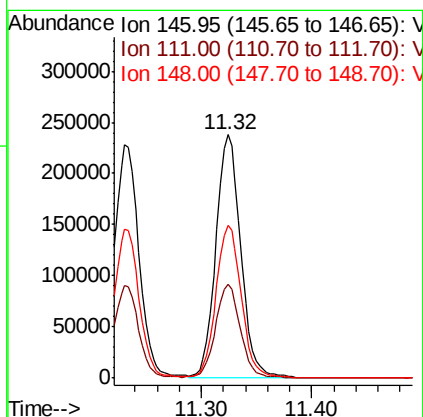
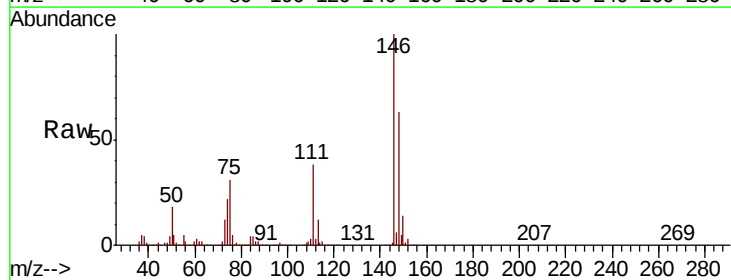
Instrument :
 MSVOA_V
 ClientSampleId :

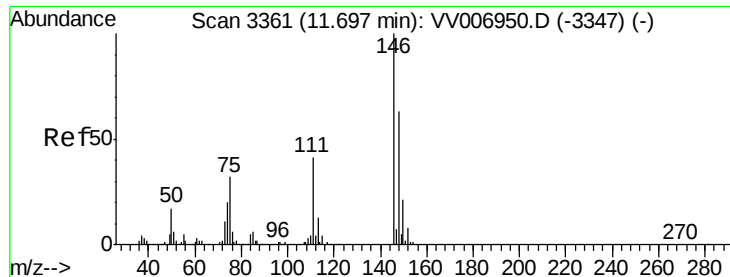
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	28.1	52.3
148	64.1	44.2	82.2



#63
 1,4-Dichlorobenzene
 Concen: 9.951 ug/L
 RT: 11.32 min Scan# 3245
 Delta R.T. -0.00 min
 Lab File: VV006951.D
 Acq: 09 Aug 2018 14:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	26.6	49.4
148	62.5	46.4	86.2





#65

1,2-Dichlorobenzene

Concen: 10.061 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. -0.00 min

Lab File: VV006951.D

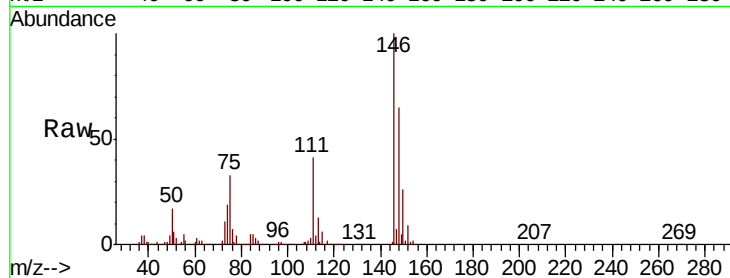
Acq: 09 Aug 2018 14:10

Instrument :

MSVOA_V

ClientSampled :

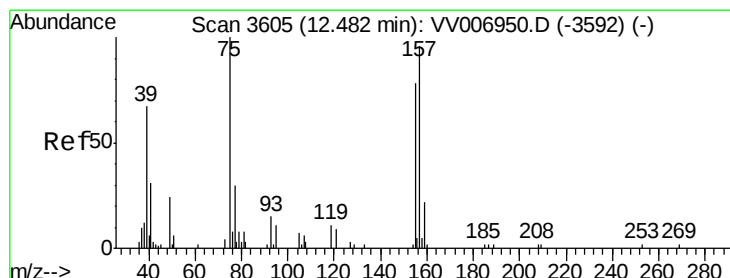
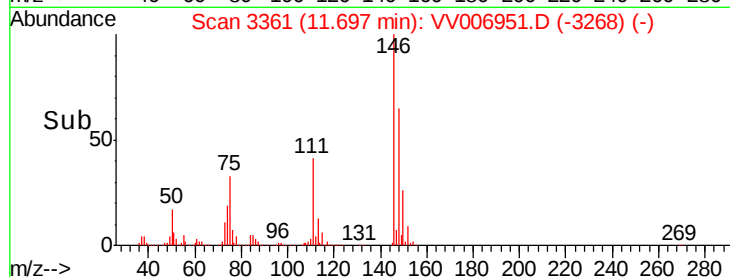
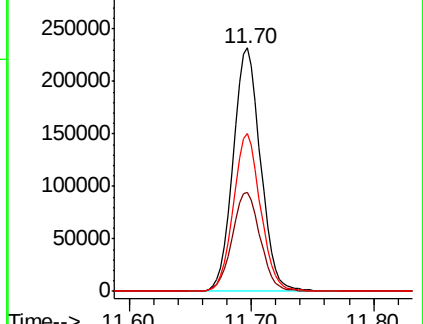
Tot Ion:	146	Resp:	361616
Ion	Ratio	Lower	Upper
146	100		
111	40.5	33.0	49.6
148	64.6	50.6	75.8



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: 9.515 ug/L

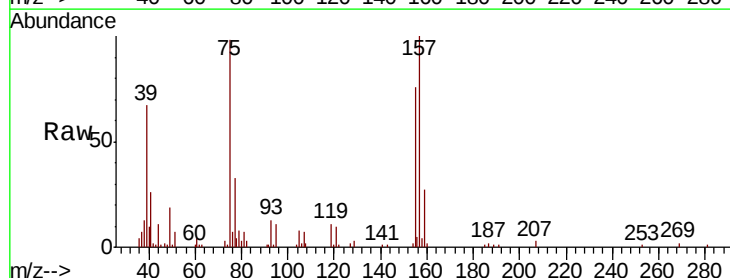
RT: 12.48 min Scan# 3606

Delta R.T. 0.00 min

Lab File: VV006951.D

Acq: 09 Aug 2018 14:10

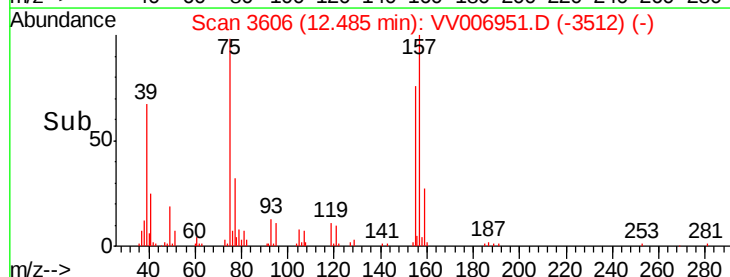
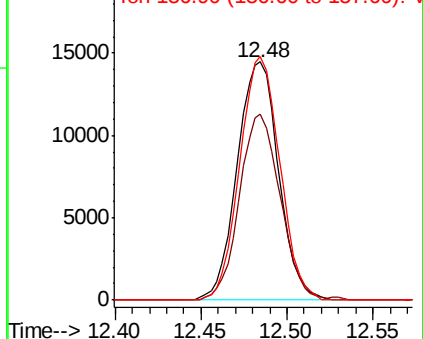
Tgt Ion:	75	Resp:	24280
Ion	Ratio	Lower	Upper
75	100		
155	77.8	62.6	94.0
157	102.2	77.0	115.6

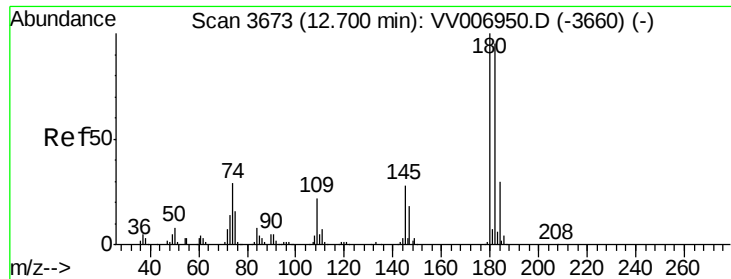


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

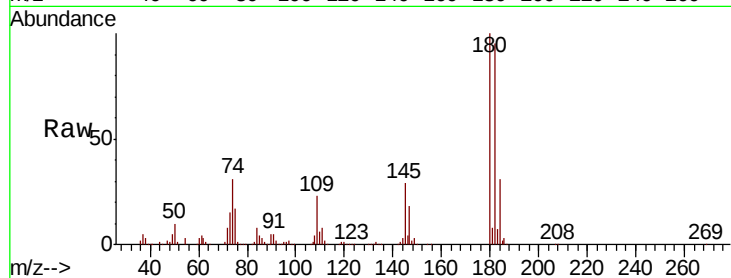




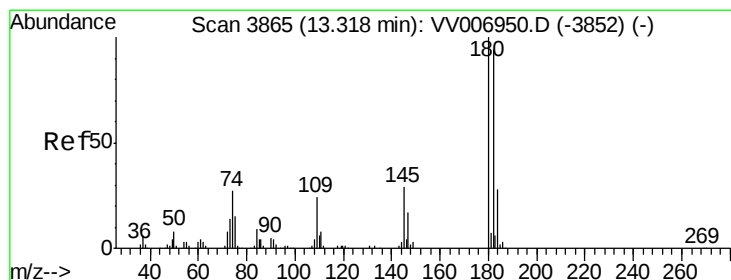
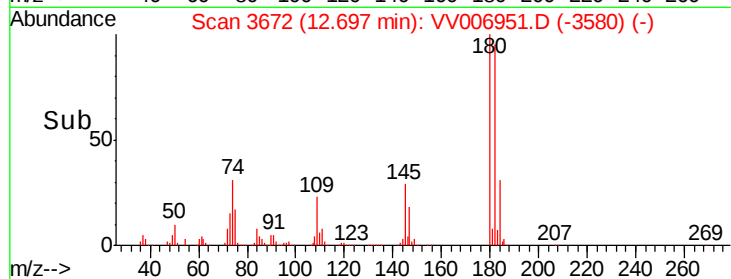
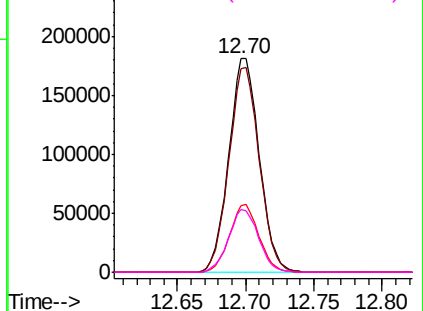
#67
 1,3,5-Trichlorobenzene
 Concen: 10.170 ug/L
 RT: 12.70 min Scan# 3672
 Delta R.T. -0.00 min
 Lab File: VV006951.D
 Acq: 09 Aug 2018 14:10

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180	Resp:	281252
Ion Ratio	Lower	Upper
180	100	
182	95.6	75.1 112.7
184	30.6	23.8 35.8
145	28.9	21.9 32.9

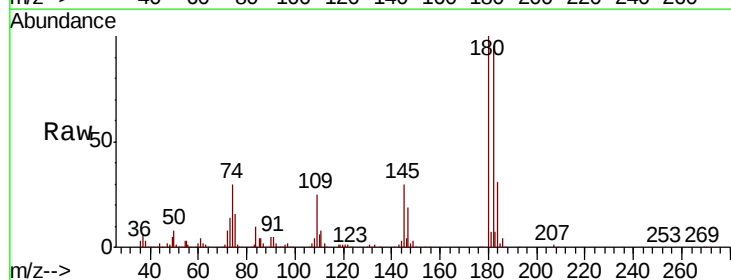


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

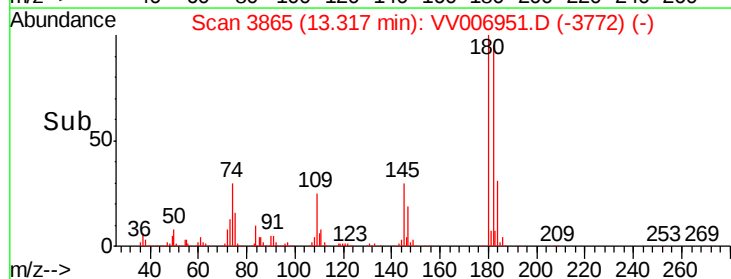
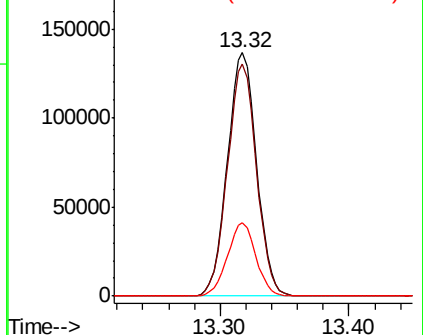


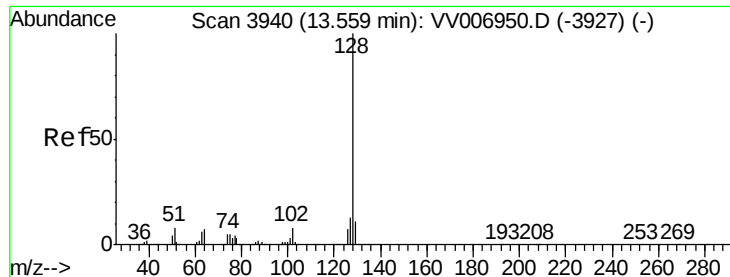
#68
 1,2,4-trichlorobenzene
 Concen: 10.562 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. -0.00 min
 Lab File: VV006951.D
 Acq: 09 Aug 2018 14:10

Tgt Ion:180	Resp:	214372
Ion Ratio	Lower	Upper
180	100	
182	94.9	76.5 114.7
145	29.2	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: 10.846 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. -0.00 min

Lab File: VV006951.D

Acq: 09 Aug 2018 14:10

Instrument :

MSVOA_V

ClientSampleId :

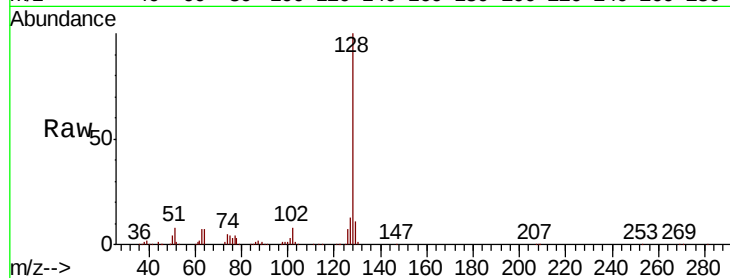
Tot Ion:128 Resp: 316131

Ion Ratio Lower Upper

128 100

129 10.9 8.5 12.7

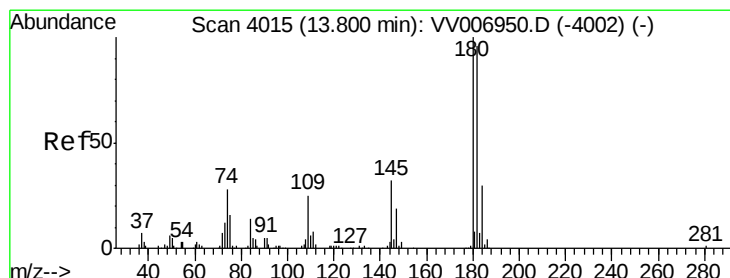
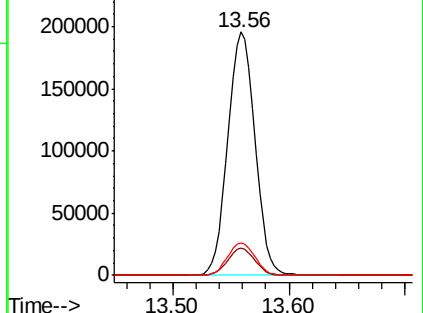
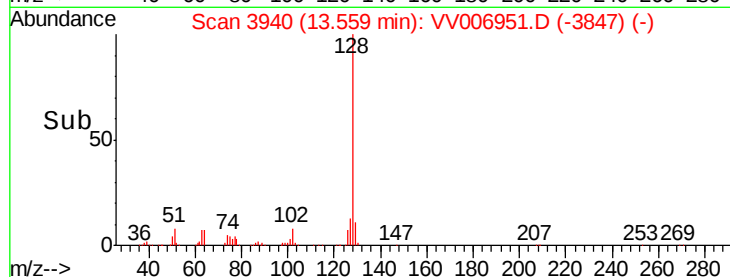
127 13.4 10.6 16.0



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: 10.684 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. -0.00 min

Lab File: VV006951.D

Acq: 09 Aug 2018 14:10

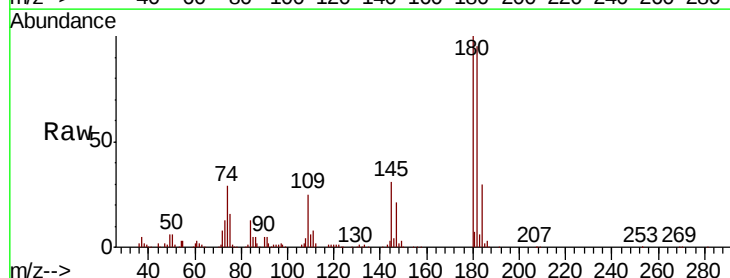
Tgt Ion:180 Resp: 209022

Ion Ratio Lower Upper

180 100

182 95.9 76.1 114.1

145 31.3 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

