

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082418\
 Data File : VV007176.D
 Acq On : 24 Aug 2018 18:08
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0 mL/MSVOA V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 25 00:01:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM082418WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 24 23:56:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	708226	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	681814	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	338850	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	231085	46.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.90%
7) Chloroethane-d5	1.58	69	189947	47.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.18%
11) 1,1-Dichloroethene-d2	2.13	63	413918	47.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.66%
21) 2-Butanone-d5	3.95	46	350202	94.46	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.46%
24) Chloroform-d	4.40	84	458545	47.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.98%
26) 1,2-Dichloroethane-d4	5.09	65	282463	48.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.74%
32) Benzene-d6	5.10	84	958117	49.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.94%
36) 1,2-Dichloropropane-d6	6.12	67	304949	47.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.96%
41) Toluene-d8	7.36	98	877275	51.45	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.90%
43) trans-1,3-Dichloropropene-	7.67	79	137082	49.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.70%
47) 2-Hexanone-d5	8.14	63	198726	99.09	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.09%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	414264	48.93	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.86%
64) 1,2-Dichlorobenzene-d4	11.68	152	330956	46.80	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	282173	49.811	ug/L 99
3) Chloromethane	1.25	50	314594	46.042	ug/L 100
5) Vinyl chloride	1.32	62	282972	47.522	ug/L 100
6) Bromomethane	1.53	94	94304	48.883	ug/L 96
8) Chloroethane	1.60	64	168280	47.613	ug/L 99
9) Trichlorofluoromethane	1.77	101	373824	49.410	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	229378	49.997	ug/L 99
12) 1,1-Dichloroethene	2.14	96	212650	48.537	ug/L 93
13) Acetone	2.20	43	256632	93.759	ug/L 98
14) Carbon disulfide	2.32	76	641315	47.766	ug/L 100
15) Methyl Acetate	2.47	43	233547	47.860	ug/L 99
16) Methylene chloride	2.54	84	240690	48.454	ug/L 100
17) trans-1,2-Dichloroethene	2.79	96	230567	48.819	ug/L 100
18) Methyl tert-butyl Ether	2.81	73	682352	48.372	ug/L 99
19) 1,1-Dichloroethane	3.23	63	463926	48.185	ug/L 99
20) cis-1,2-Dichloroethene	3.97	96	270964	49.035	ug/L 96
22) 2-Butanone	4.04	43	413377	97.020	ug/L 98

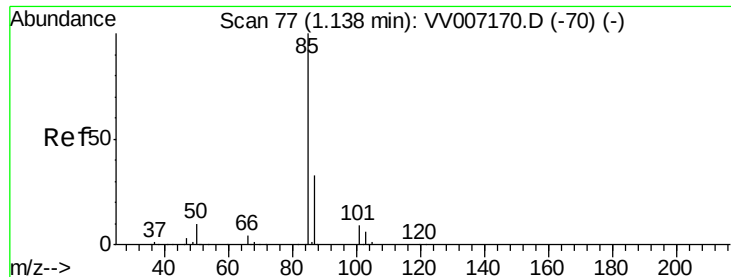
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082418\
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 Quant Title : VOC Analysis
 QLast Update : Fri Aug 24 23:56:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	137537	48.689	ug/L	99
25) Chloroform	4.43	83	463892	49.094	ug/L	99
27) 1,2-Dichloroethane	5.19	62	348890	49.920	ug/L	98
29) Cyclohexane	4.73	56	399332	51.603	ug/L	99
30) 1,1,1-Trichloroethane	4.66	97	388015	49.642	ug/L	100
31) Carbon tetrachloride	4.88	117	336312	50.109	ug/L	100
33) Benzene	5.15	78	1071555	50.741	ug/L	100
34) Trichloroethene	5.96	95	255898	49.831	ug/L	98
35) Methylcyclohexane	6.18	83	432739	52.990	ug/L	99
37) 1,2-Dichloropropane	6.22	63	279359	49.726	ug/L	99
38) Bromodichloromethane	6.56	83	336309	49.225	ug/L	99
39) cis-1,3-Dichloropropene	7.08	75	404513	51.661	ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	692758	105.173	ug/L	98
42) Toluene	7.43	91	1083370	52.919	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	369734	50.817	ug/L	100
45) 1,1,2-Trichloroethane	7.89	97	261913	50.343	ug/L	99
46) Tetrachloroethene	8.02	164	213316	50.371	ug/L	99
48) 2-Hexanone	8.19	43	559276	108.447	ug/L	98
49) Dibromochloromethane	8.30	129	269105	50.430	ug/L	98
50) 1,2-Dibromoethane	8.40	107	263205	50.353	ug/L	98
51) Chlorobenzene	8.93	112	703763	50.840	ug/L	99
52) Ethylbenzene	9.06	91	1125424	52.937	ug/L	99
53) m,p-Xylene	9.19	106	430618	53.345	ug/L	99
54) o-xylene	9.59	106	413455	53.215	ug/L	98
55) Styrene	9.61	104	744128	55.816	ug/L	98
56) Isopropylbenzene	9.98	105	1076827	54.185	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	425834	49.848	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	338122	49.228	ug/L	99
61) Bromoform	9.78	173	193648	47.312	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	516129	49.990	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	553945	49.865	ug/L	99
65) 1,2-Dichlorobenzene	11.70	146	551600	49.803	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	73732	47.121	ug/L	96
67) 1,3,5-Trichlorobenzene	12.70	180	401841	53.349	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	314200	55.932	ug/L	99
69) Naphthalene	13.56	128	817372	53.485	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	343713	57.016	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 49.811 ug/L

RT: 1.14 min Scan# 78

Delta R.T. 0.00 min

Lab File: VV007176.D

Acq: 24 Aug 2018 18:08

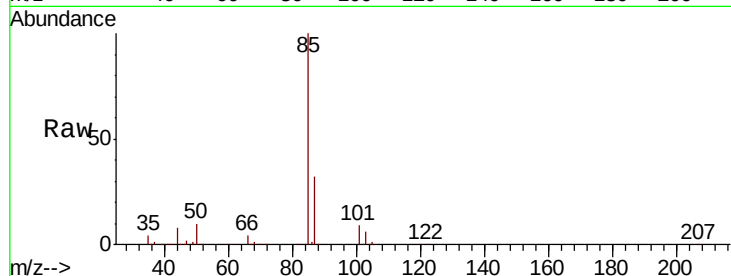
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 282173

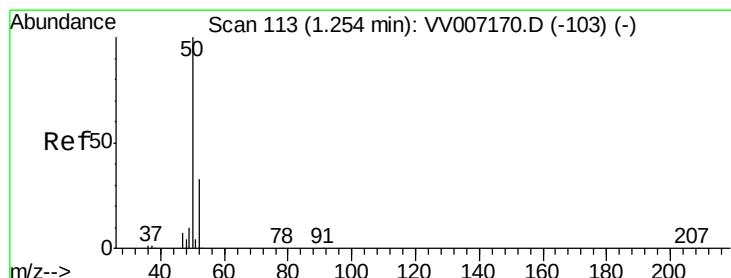
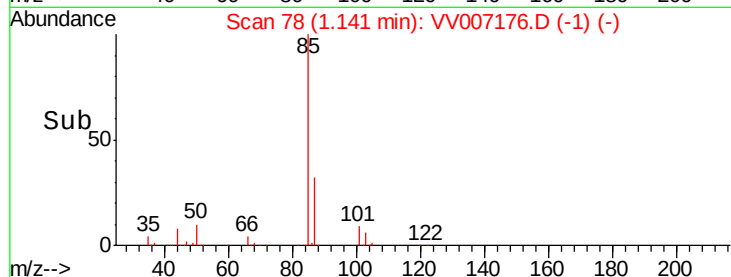
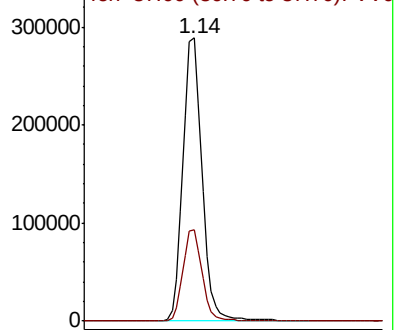
Ion Ratio Lower Upper

85 100

87 32.2 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VV007176.D (-1) (-)



#3

Chloromethane

Concen: 46.042 ug/L

RT: 1.25 min Scan# 113

Delta R.T. -0.00 min

Lab File: VV007176.D

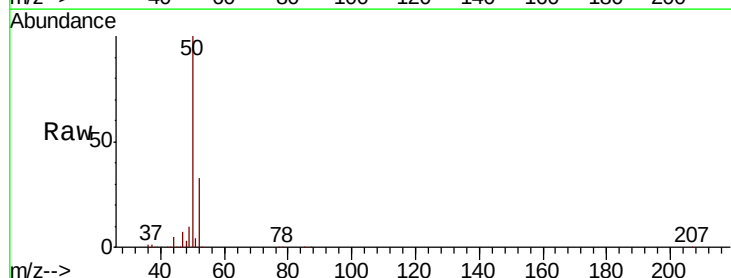
Acq: 24 Aug 2018 18:08

Tgt Ion: 50 Resp: 314594

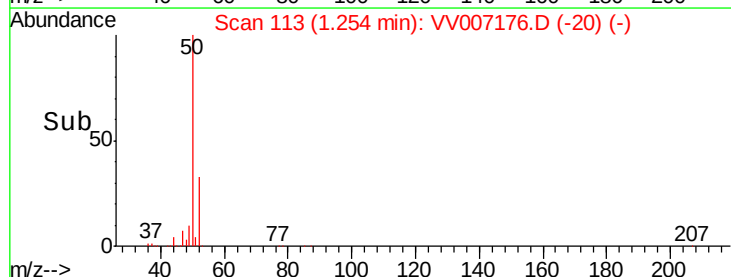
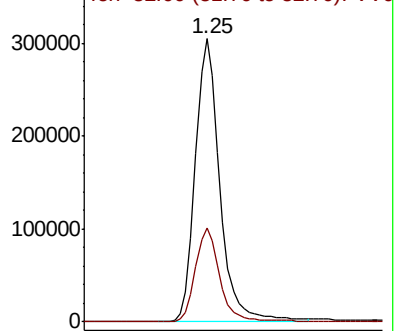
Ion Ratio Lower Upper

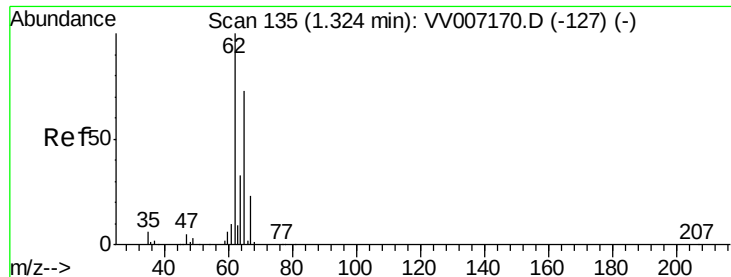
50 100

52 33.0 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VV007176.D (-20) (-)





#5

Vinyl chloride

Concen: 47.522 ug/L

RT: 1.32 min Scan# 135

Delta R.T. -0.00 min

Lab File: VV007176.D

Acq: 24 Aug 2018 18:08

Instrument :

MSVOA_V

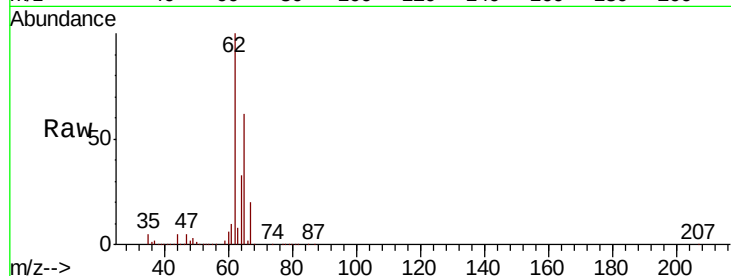
ClientSampled :

Tot Ion: 62 Resp: 282972

Ion Ratio Lower Upper

62 100

64 32.8 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV007176.D (-127) (-)

Ion 64.00 (63.70 to 64.70): VV007176.D (-127) (-)

1.32

300000

250000

200000

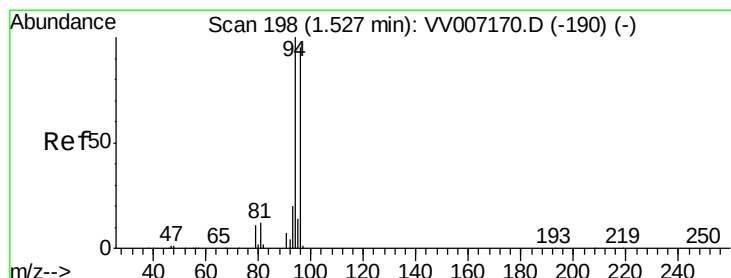
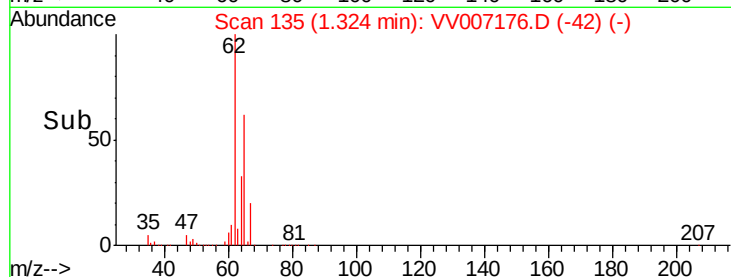
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 48.883 ug/L

RT: 1.53 min Scan# 200

Delta R.T. 0.01 min

Lab File: VV007176.D

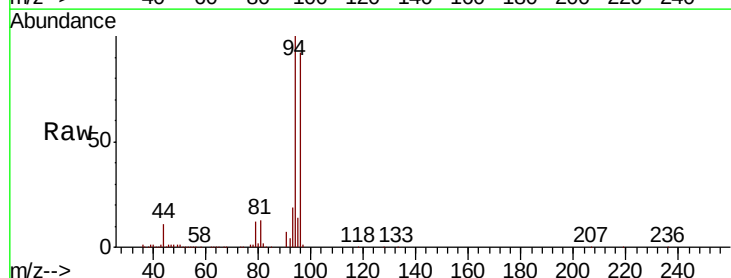
Acq: 24 Aug 2018 18:08

Tgt Ion: 94 Resp: 94304

Ion Ratio Lower Upper

94 100

96 91.9 66.7 123.9



Abundance Ion 94.00 (93.70 to 94.70): VV007176.D (-190) (-)

Ion 96.00 (95.70 to 96.70): VV007176.D (-190) (-)

1.53

100000

80000

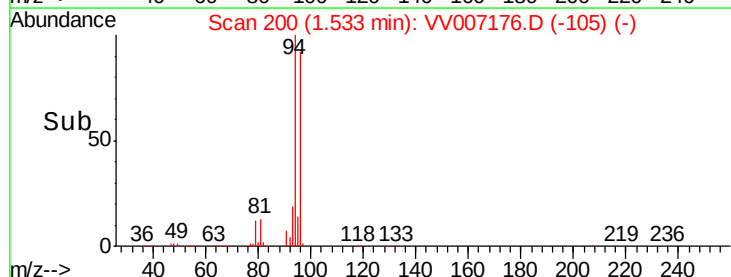
60000

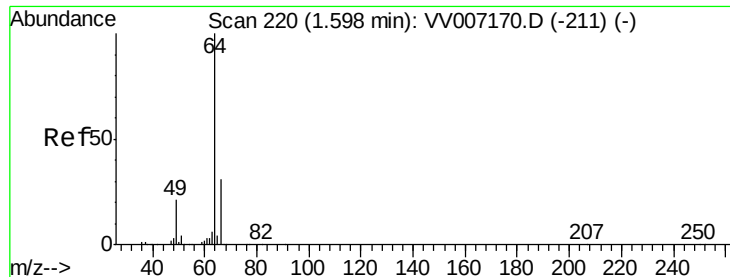
40000

20000

0

Time-->

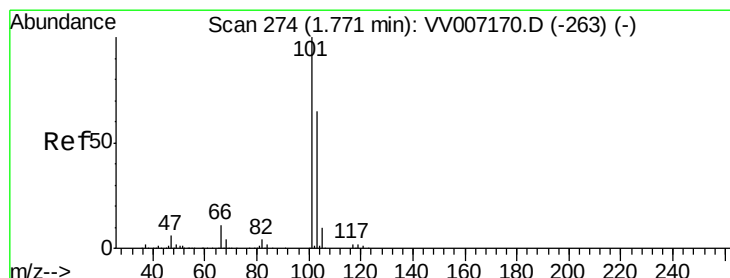
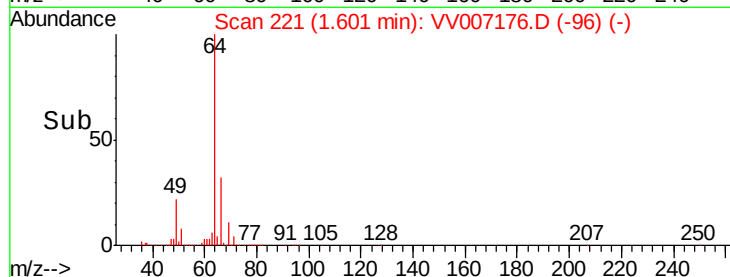
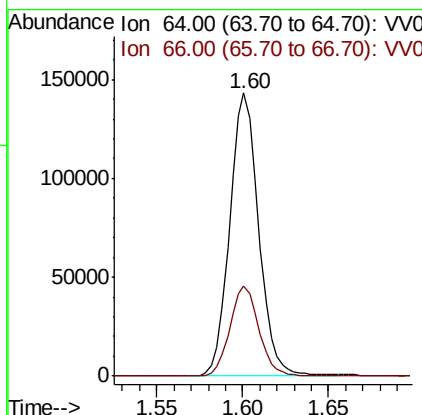
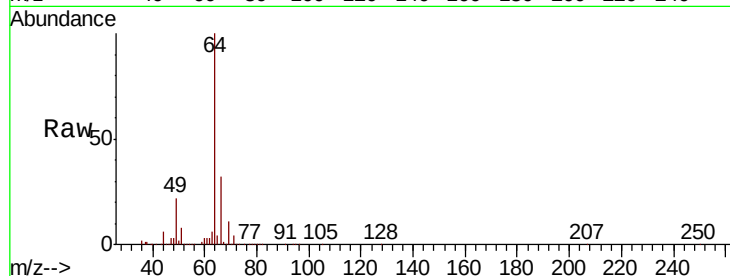




#8
Chloroethane
Concen: 47.613 ug/L
RT: 1.60 min Scan# 221
Delta R.T. 0.00 min
Lab File: VV007176.D
Acq: 24 Aug 2018 18:08

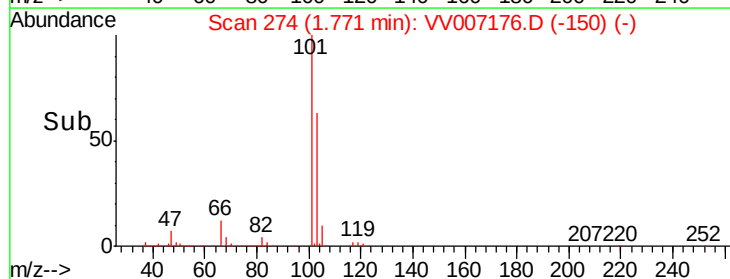
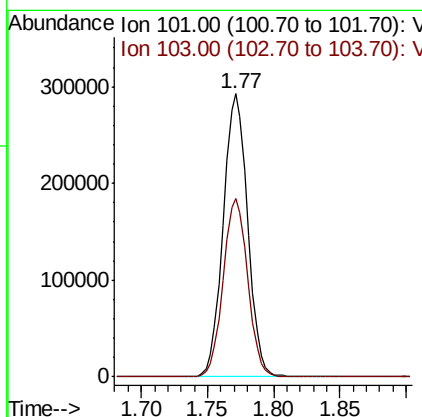
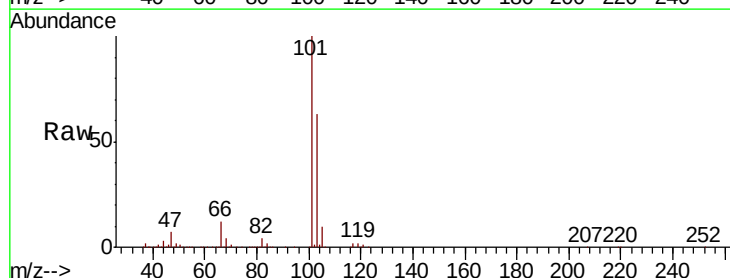
Instrument :
MSVOA_V
ClientSampleId :

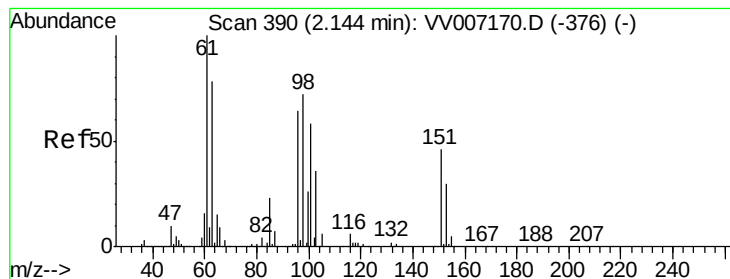
Tot Ion: 64 Resp: 168280
Ion Ratio Lower Upper
64 100
66 31.7 21.8 40.4



#9
Trichlorofluoromethane
Concen: 49.410 ug/L
RT: 1.77 min Scan# 274
Delta R.T. -0.00 min
Lab File: VV007176.D
Acq: 24 Aug 2018 18:08

Tgt Ion:101 Resp: 373824
Ion Ratio Lower Upper
101 100
103 63.6 51.2 76.8





#10

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

Concen: 49.997 ug/L

RT: 2.14 min Scan# 389

Delta R.T. -0.00 min

Lab File: VV007176.D

Acq: 24 Aug 2018 18:08

Instrument :

MSVOA_V

ClientSampleId :

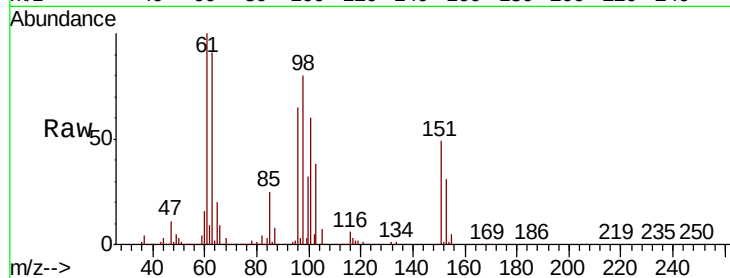
Tot Ion:101 Resp: 229378

Ion Ratio Lower Upper

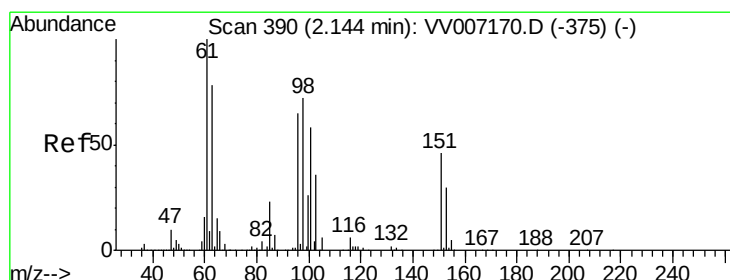
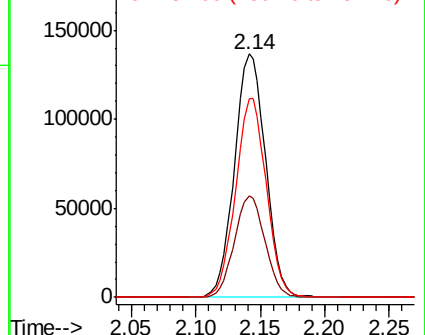
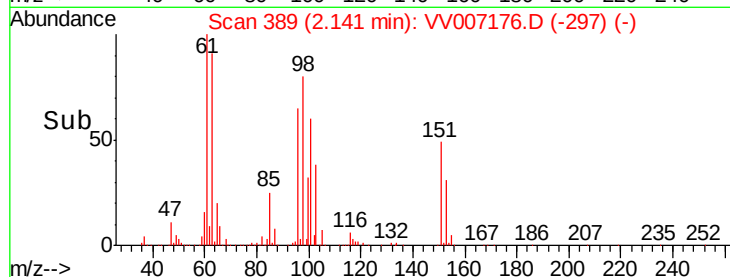
101 100

85 41.0 31.8 47.8

151 80.6 64.0 96.0



Abundance Ion 101.00 (100.70 to 101.70): VV007176.D (-297) (-)



#12

1,1-Dichloroethene

Concen: 48.537 ug/L

RT: 2.14 min Scan# 390

Delta R.T. -0.00 min

Lab File: VV007176.D

Acq: 24 Aug 2018 18:08

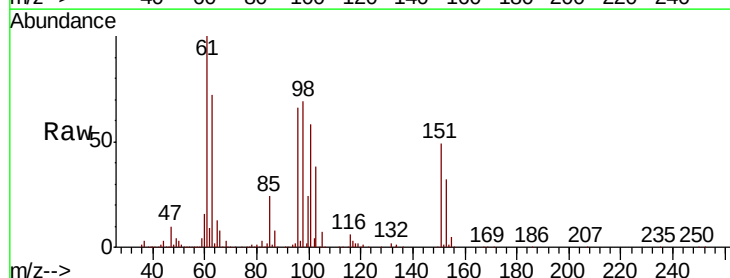
Tgt Ion: 96 Resp: 212650

Ion Ratio Lower Upper

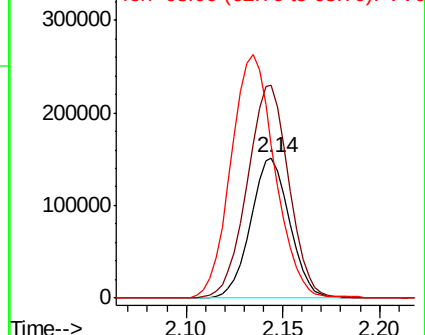
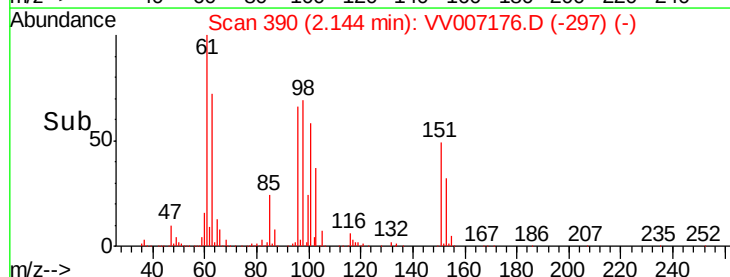
96 100

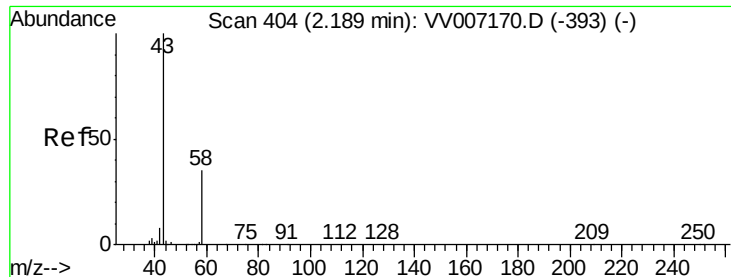
61 151.6 108.5 201.5

63 108.4 84.9 157.7



Abundance Ion 96.00 (95.70 to 96.70): VV007176.D (-297) (-)





#13

Acetone

Concen: 93.759 ug/L

RT: 2.20 min Scan# 407

Delta R.T. 0.01 min

Lab File: VV007176.D

Acq: 24 Aug 2018 18:08

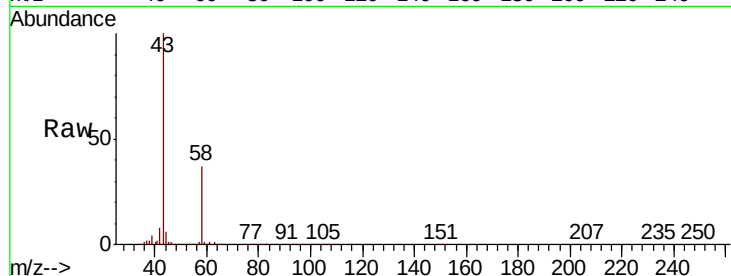
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 256632

Ion Ratio Lower Upper

43 100

58 37.5 0.0 72.0



Abundance Ion 43.00 (42.70 to 43.70): VV007176.D (-393) (-)

Ion 58.00 (57.70 to 58.70): VV007176.D (-393) (-)

2.20

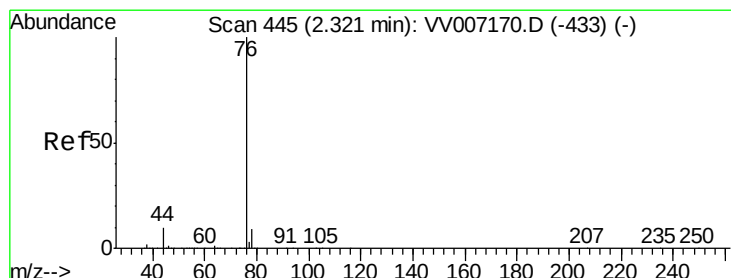
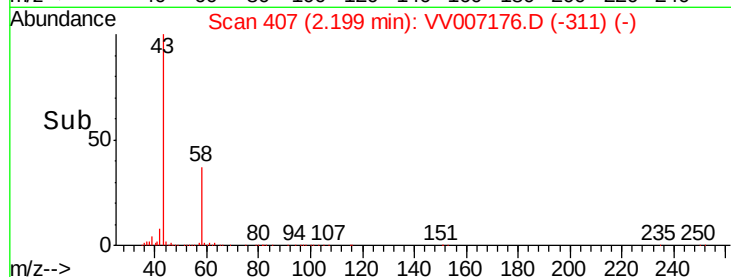
150000

100000

50000

0

Time--> 2.10 2.15 2.20 2.25 2.30



#14

Carbon disulfide

Concen: 47.766 ug/L

RT: 2.32 min Scan# 445

Delta R.T. -0.00 min

Lab File: VV007176.D

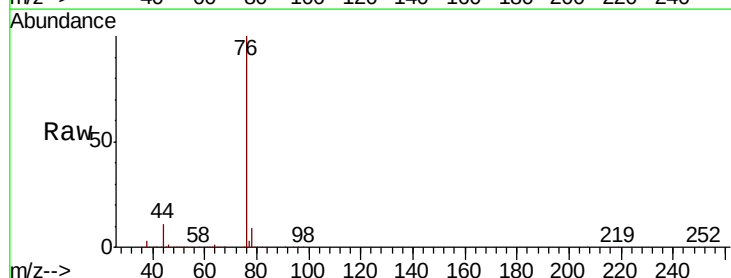
Acq: 24 Aug 2018 18:08

Tgt Ion: 76 Resp: 641315

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV007176.D (-352) (-)

Ion 78.00 (77.70 to 78.70): VV007176.D (-352) (-)

2.32

500000

400000

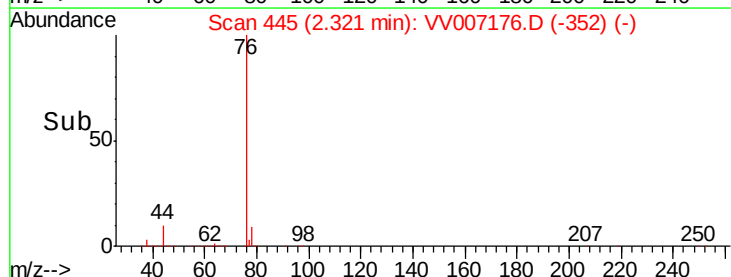
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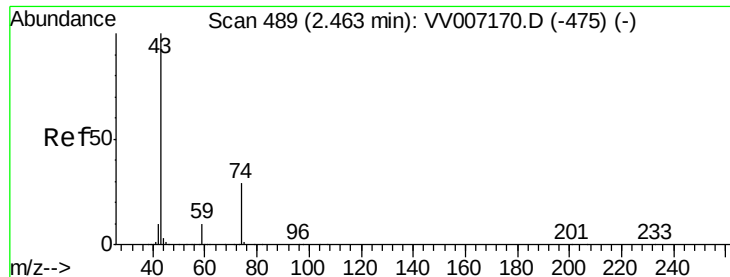
200000

100000

0

Time--> 2.25 2.30 2.35 2.40 2.45





#15

Methyl Acetate

Concen: 47.860 ug/L

RT: 2.47 min Scan# 490

Delta R.T. 0.00 min

Lab File: VV007176.D

Acq: 24 Aug 2018 18:08

Instrument :

MSVOA_V

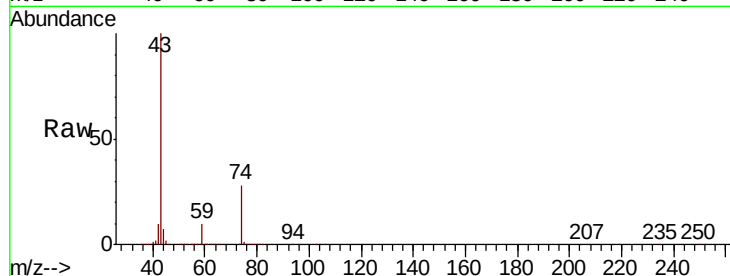
ClientSampleId :

Tot Ion: 43 Resp: 233547

Ion Ratio Lower Upper

43 100

74 27.5 22.6 33.8



Abundance Ion 43.00 (42.70 to 43.70): VV007176.D (-396) (-)

Ion 74.00 (73.70 to 74.70): VV007176.D (-396) (-)

2.47

150000

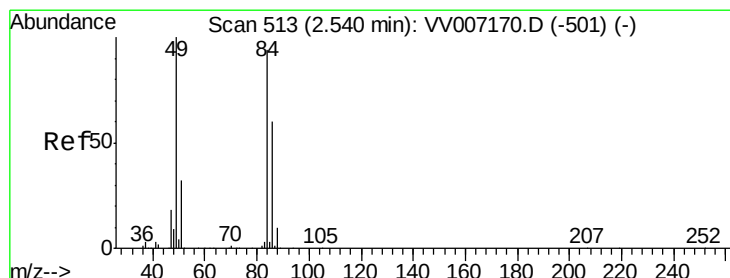
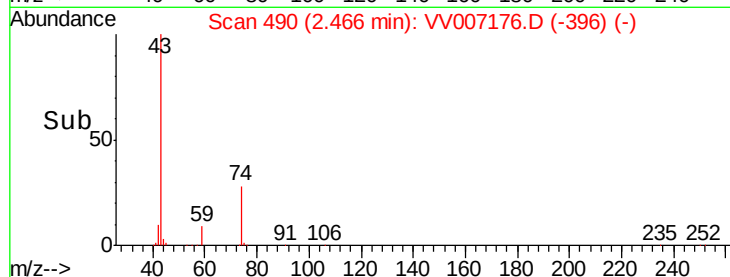
100000

50000

0

2.40 2.50 2.60

Time-->



#16

Methylene chloride

Concen: 48.454 ug/L

RT: 2.54 min Scan# 513

Delta R.T. -0.00 min

Lab File: VV007176.D

Acq: 24 Aug 2018 18:08

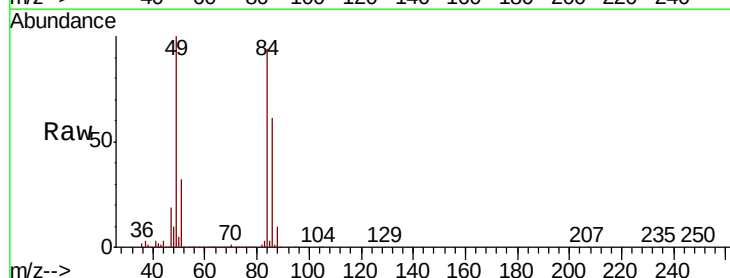
Tgt Ion: 84 Resp: 240690

Ion Ratio Lower Upper

84 100

86 64.8 44.9 83.3

49 106.6 74.5 138.3



Abundance Ion 84.00 (83.70 to 84.70): VV007176.D (-420) (-)

Ion 86.00 (85.70 to 86.70): VV007176.D (-420) (-)

Ion 49.00 (48.70 to 49.70): VV007176.D (-420) (-)

200000

150000

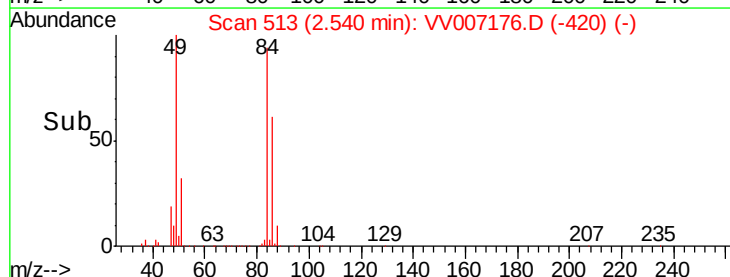
100000

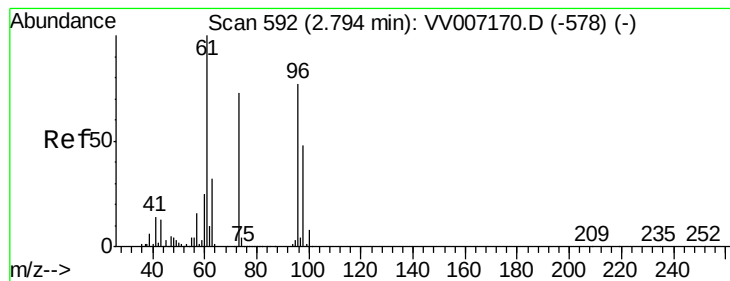
50000

0

2.50 2.60

Time-->





#17

trans-1,2-Dichloroethene

Concen: 48.819 ug/L

RT: 2.79 min Scan# 591

Delta R.T. -0.00 min

Lab File: VV007176.D

Acq: 24 Aug 2018 18:08

Instrument :
MSVOA_V
ClientSampleId :

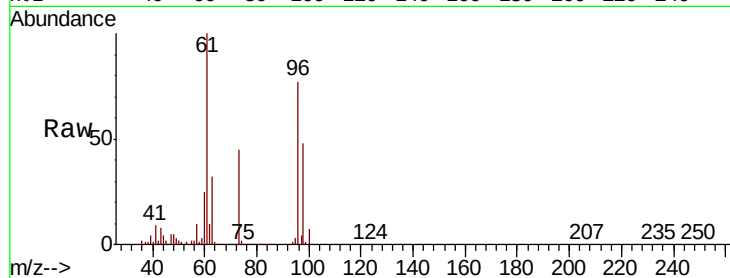
Tot Ion: 96 Resp: 230567

Ion Ratio Lower Upper

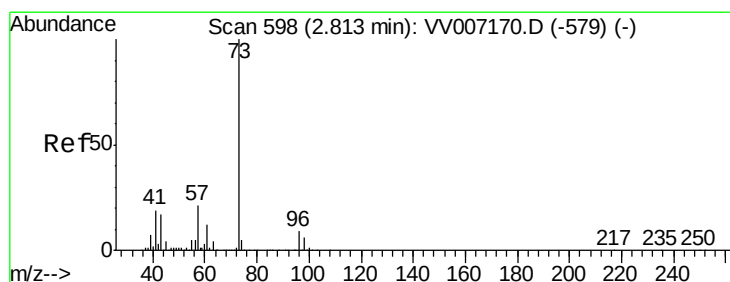
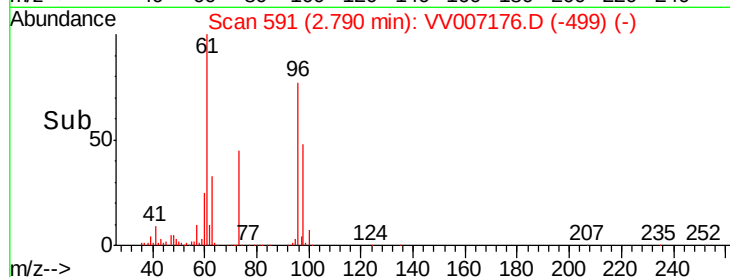
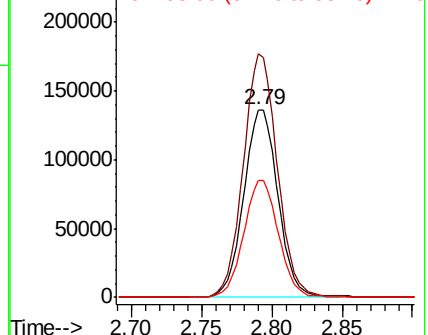
96 100

61 129.8 90.6 168.2

98 62.3 43.8 81.3



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 48.372 ug/L

RT: 2.81 min Scan# 598

Delta R.T. -0.00 min

Lab File: VV007176.D

Acq: 24 Aug 2018 18:08

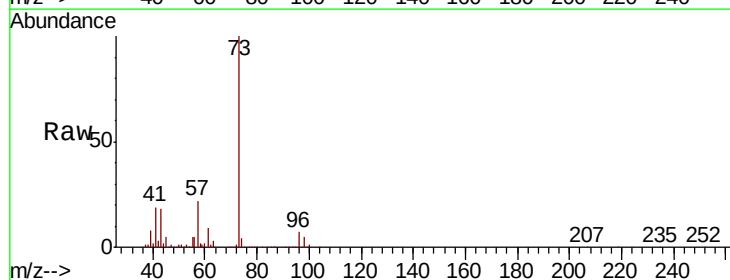
Tgt Ion: 73 Resp: 682352

Ion Ratio Lower Upper

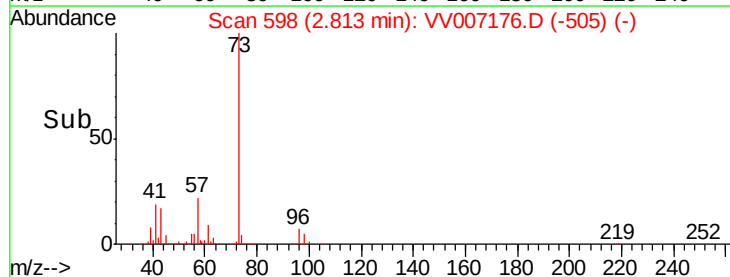
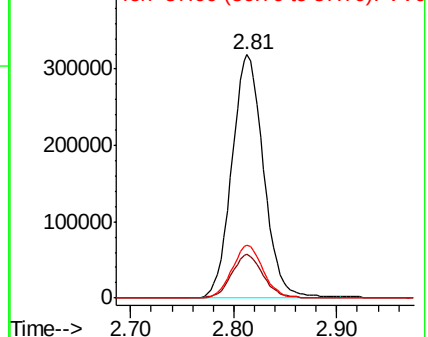
73 100

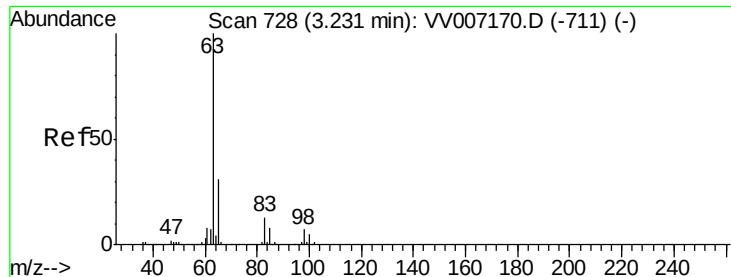
43 17.4 13.7 20.5

57 21.5 16.8 25.2



Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 48.185 ug/L

RT: 3.23 min Scan# 727

Delta R.T. -0.00 min

Lab File: VV007176.D

Acq: 24 Aug 2018 18:08

Instrument :

MSVOA_V

ClientSampled :

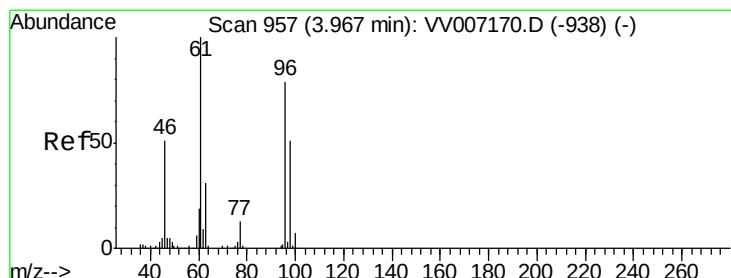
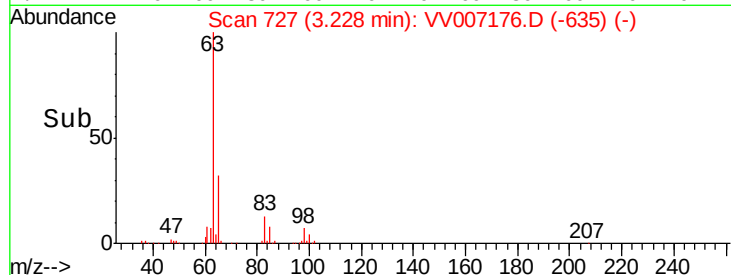
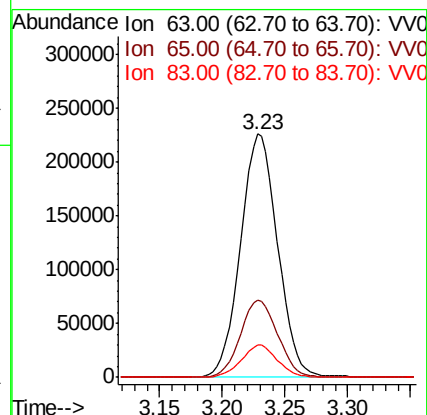
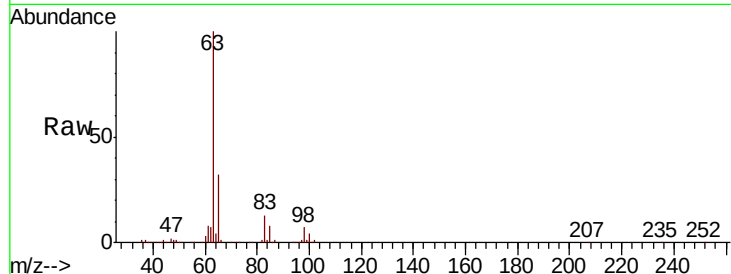
Tot Ion: 63 Resp: 463926

Ion Ratio Lower Upper

63 100

65 31.7 21.8 40.4

83 13.1 9.1 16.9



#20

cis-1,2-Dichloroethene

Concen: 49.035 ug/L

RT: 3.97 min Scan# 957

Delta R.T. -0.00 min

Lab File: VV007176.D

Acq: 24 Aug 2018 18:08

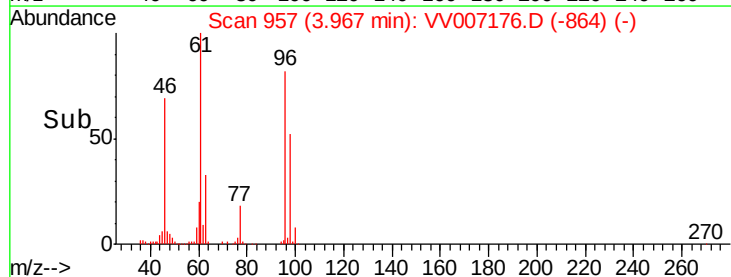
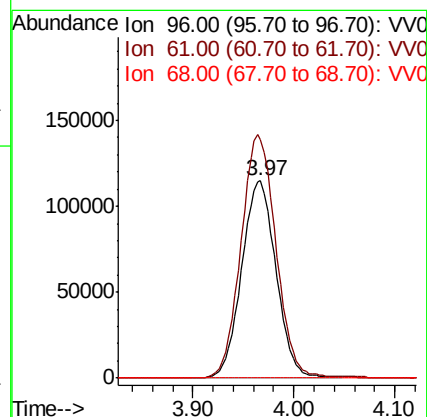
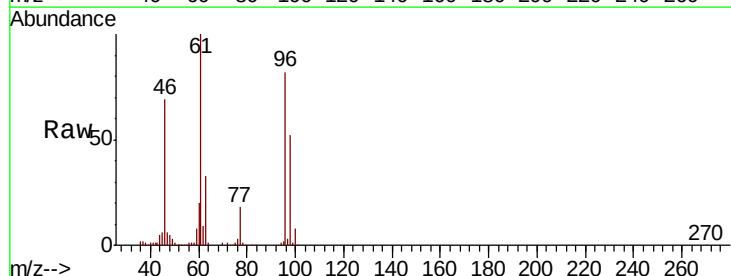
Tgt Ion: 96 Resp: 270964

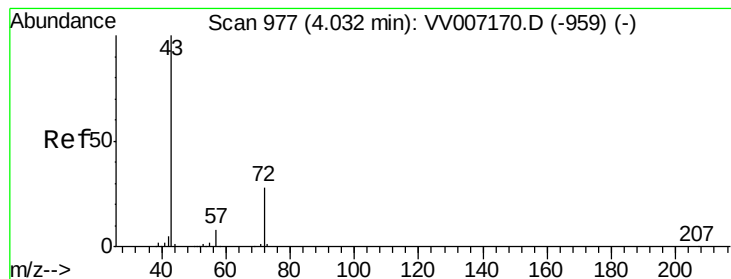
Ion Ratio Lower Upper

96 100

61 121.4 88.2 163.8

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 97.020 ug/L

RT: 4.04 min Scan# 979

Delta R.T. 0.01 min

Lab File: VV007176.D

Acq: 24 Aug 2018 18:08

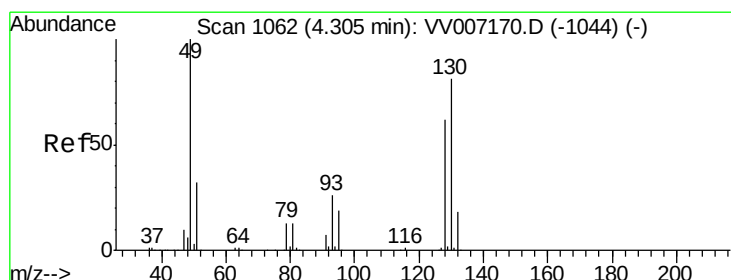
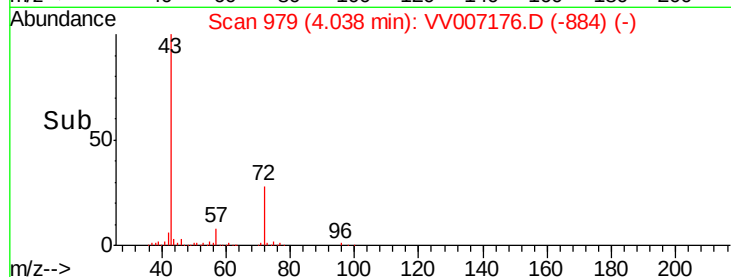
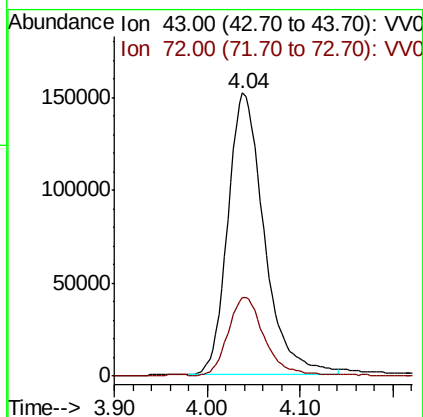
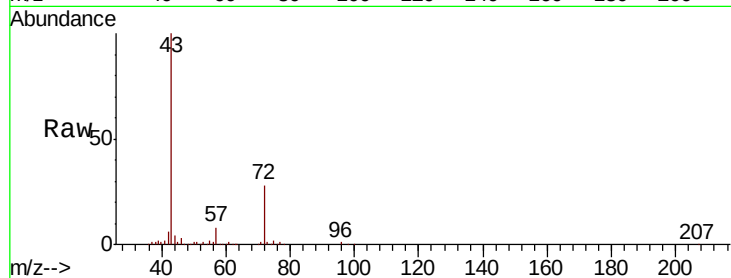
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 413377

Ion Ratio Lower Upper

43 100

72 27.9 13.4 40.1



#23

Bromochloromethane

Concen: 48.689 ug/L

RT: 4.30 min Scan# 1062

Delta R.T. -0.00 min

Lab File: VV007176.D

Acq: 24 Aug 2018 18:08

Tgt Ion: 128 Resp: 137537

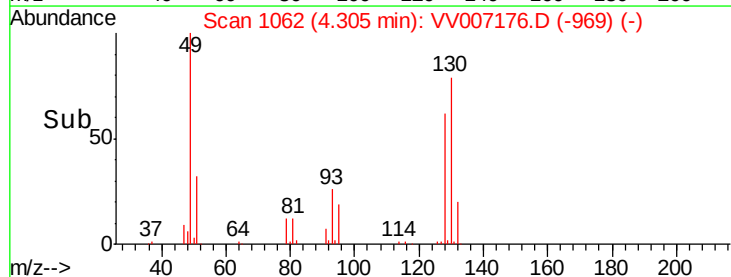
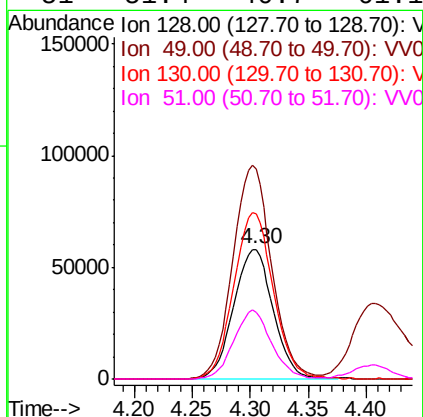
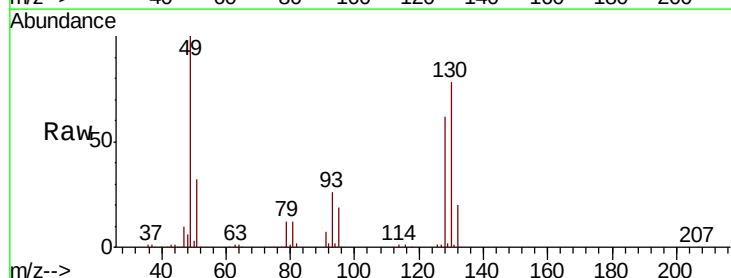
Ion Ratio Lower Upper

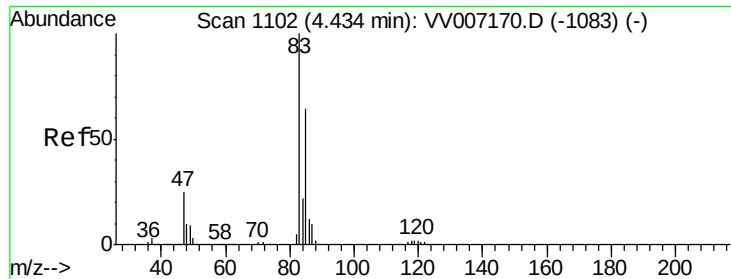
128 100

49 161.6 112.5 208.9

130 126.8 90.6 168.2

51 51.4 40.7 61.1

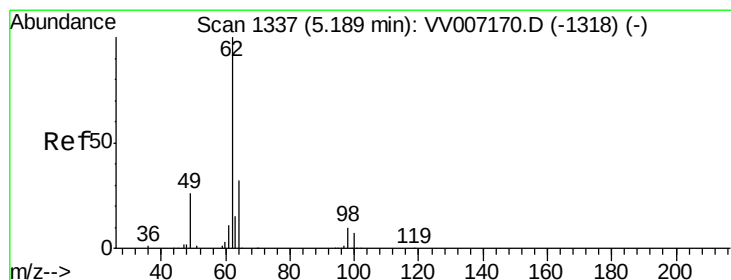
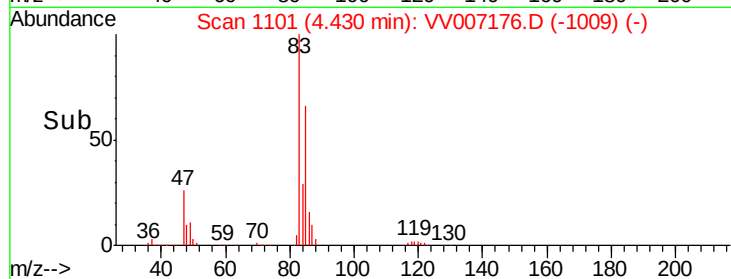
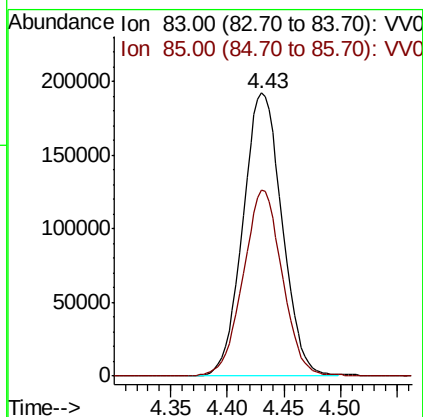
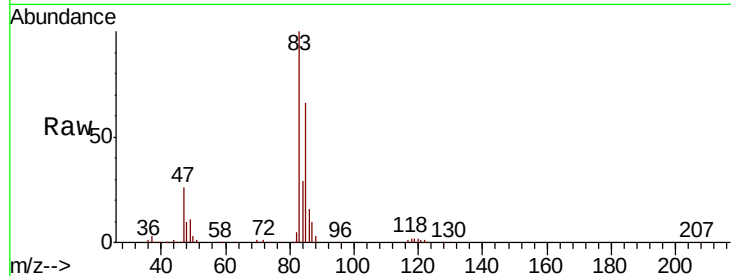




#25
Chloroform
Concen: 49.094 ug/L
RT: 4.43 min Scan# 1101
Delta R.T. -0.00 min
Lab File: VV007176.D
Acq: 24 Aug 2018 18:08

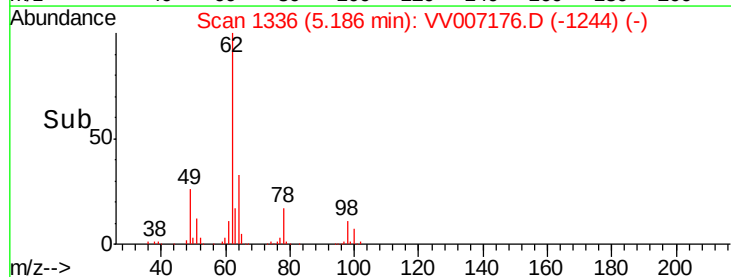
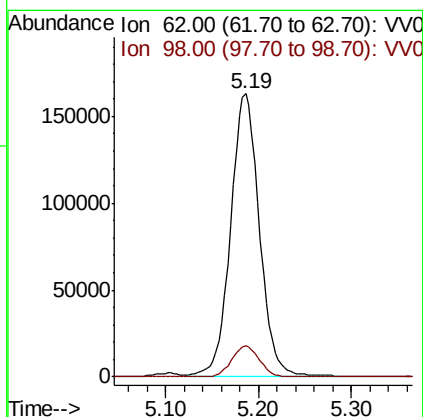
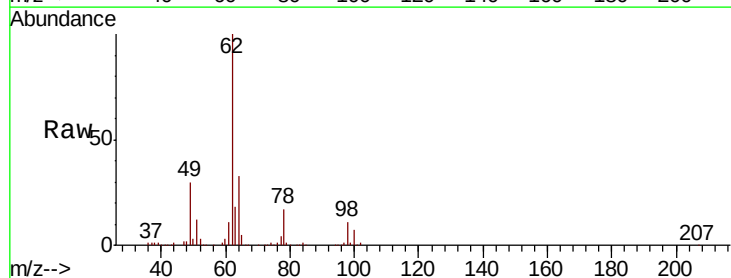
Instrument :
MSVOA_V
ClientSampled :

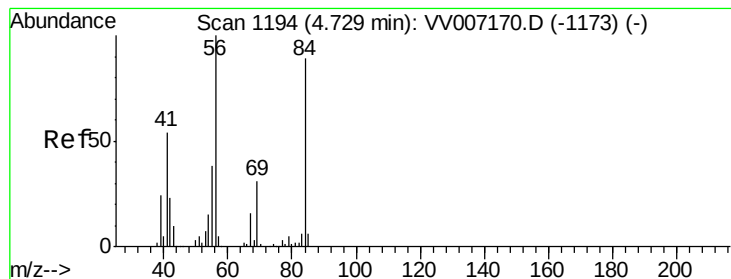
Tot Ion: 83 Resp: 463892
Ion Ratio Lower Upper
83 100
85 65.7 45.2 84.0



#27
1,2-Dichloroethane
Concen: 49.920 ug/L
RT: 5.19 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VV007176.D
Acq: 24 Aug 2018 18:08

Tgt Ion: 62 Resp: 348890
Ion Ratio Lower Upper
62 100
98 11.0 8.3 12.5





#29

Cyclohexane

Concen: 51.603 ug/L

RT: 4.73 min Scan# 1193

Delta R.T. -0.00 min

Lab File: VV007176.D

Acq: 24 Aug 2018 18:08

Instrument :
MSVOA_V
ClientSampleId :

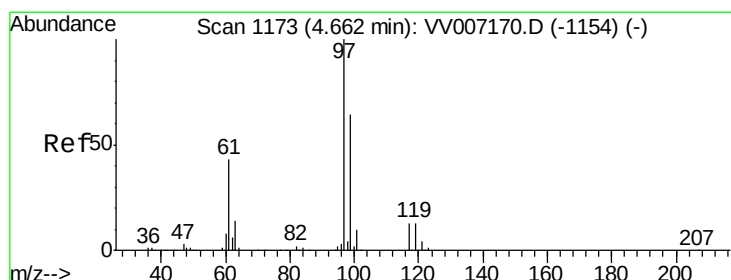
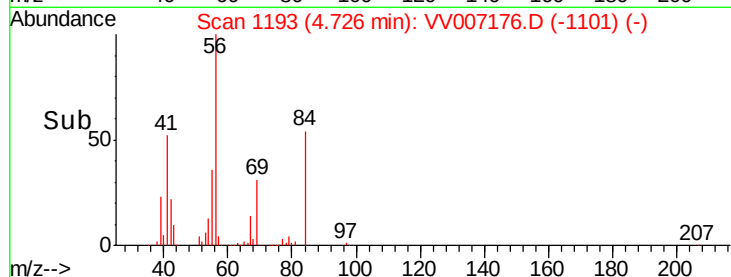
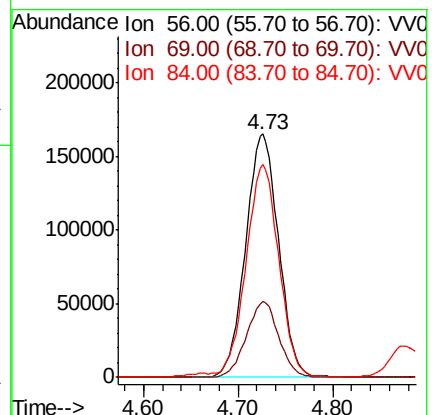
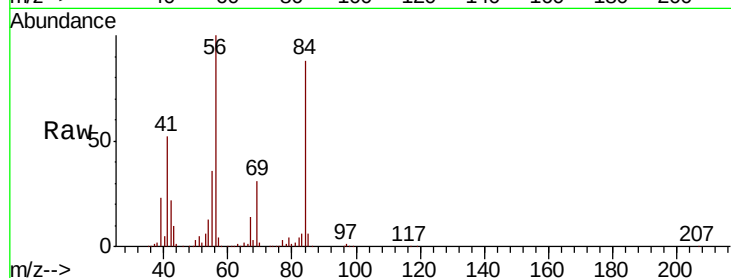
Tot Ion: 56 Resp: 399332

Ion Ratio Lower Upper

56 100

69 30.7 24.6 36.8

84 86.9 70.8 106.2



#30

1,1,1-Trichloroethane

Concen: 49.642 ug/L

RT: 4.66 min Scan# 1172

Delta R.T. -0.00 min

Lab File: VV007176.D

Acq: 24 Aug 2018 18:08

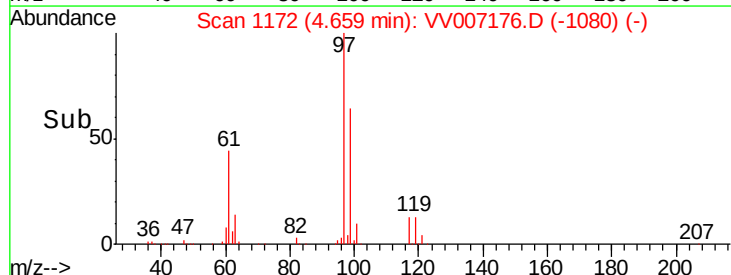
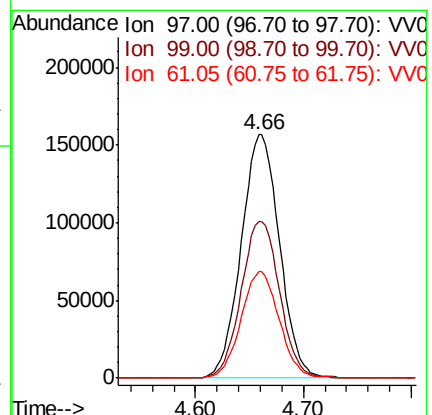
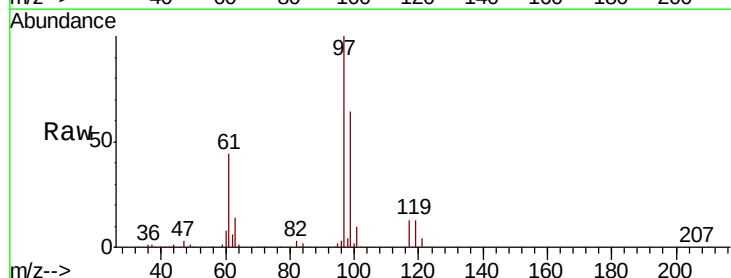
Tgt Ion: 97 Resp: 388015

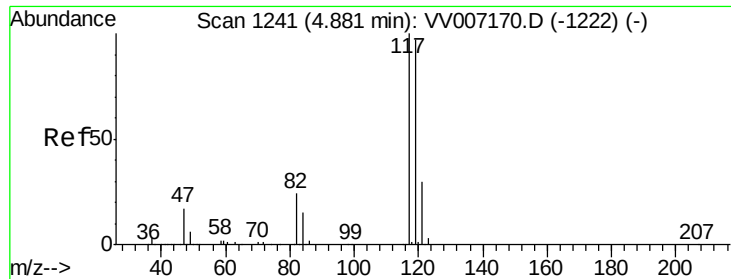
Ion Ratio Lower Upper

97 100

99 64.5 51.6 77.4

61 43.4 34.3 51.5





#31

Carbon tetrachloride

Concen: 50.109 ug/L

RT: 4.88 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VV007176.D

Acq: 24 Aug 2018 18:08

Instrument :

MSVOA_V

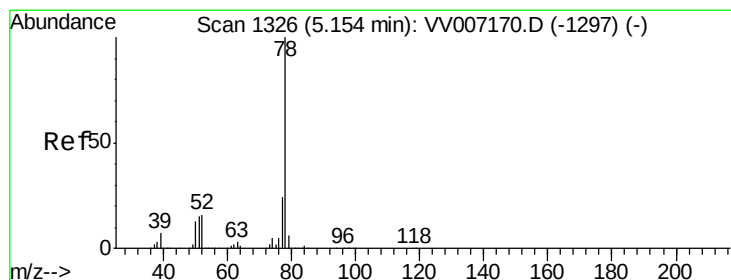
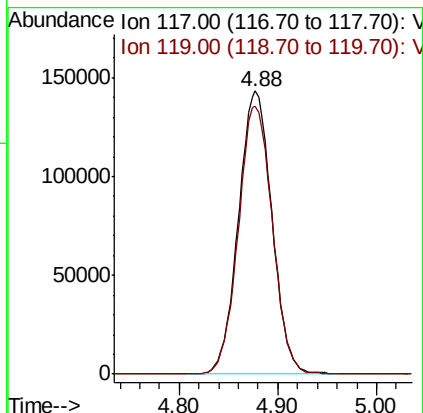
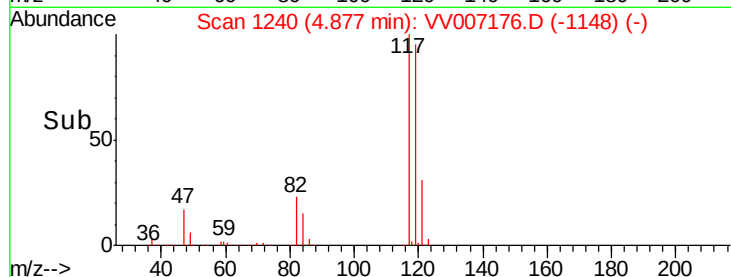
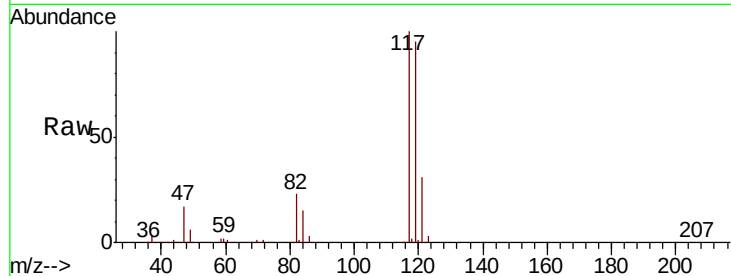
ClientSampleId :

Tot Ion:117 Resp: 336312

Ion Ratio Lower Upper

117 100

119 96.2 76.9 115.3



#33

Benzene

Concen: 50.741 ug/L

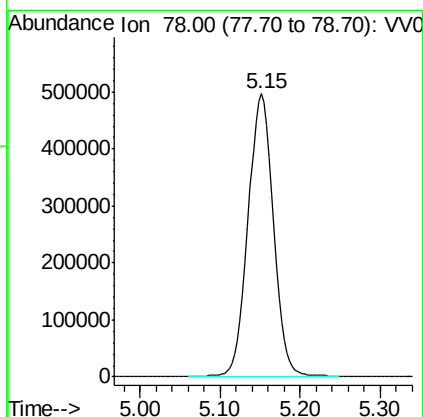
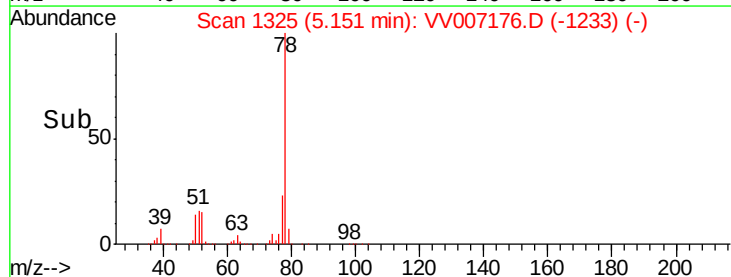
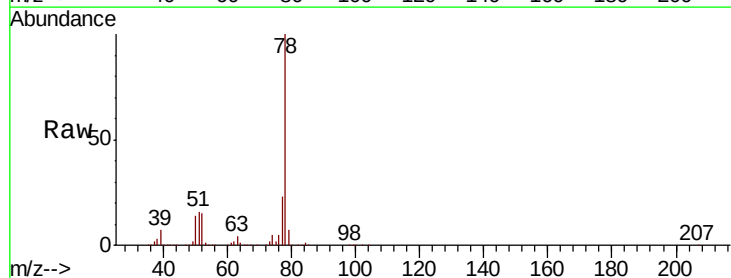
RT: 5.15 min Scan# 1325

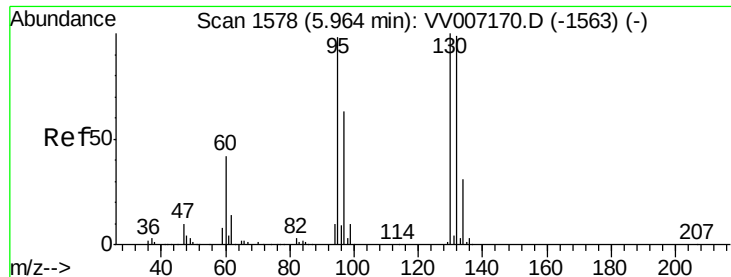
Delta R.T. -0.00 min

Lab File: VV007176.D

Acq: 24 Aug 2018 18:08

Tgt Ion: 78 Resp: 1071555





#34

Trichloroethene

Concen: 49.831 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VV007176.D

Acq: 24 Aug 2018 18:08

Instrument :

MSVOA_V

ClientSampled :

Tot Ion: 95 Resp: 255898

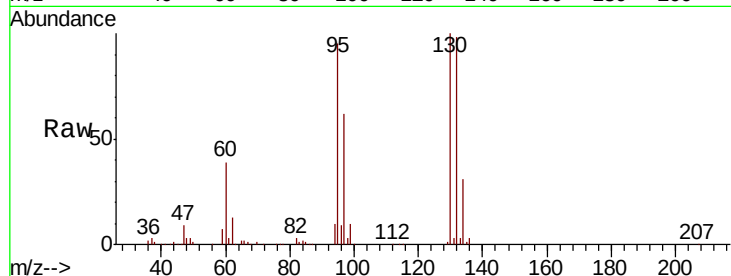
Ion Ratio Lower Upper

95 100

97 65.0 45.4 84.2

132 102.9 70.8 131.4

130 105.2 71.7 133.3

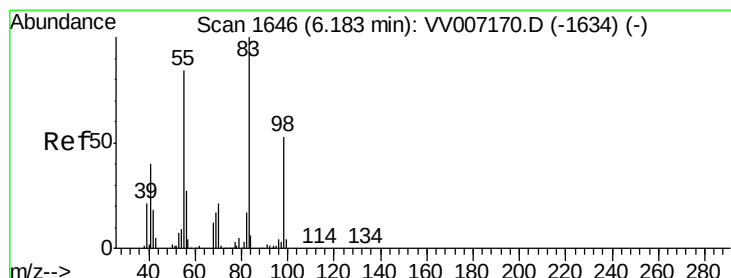
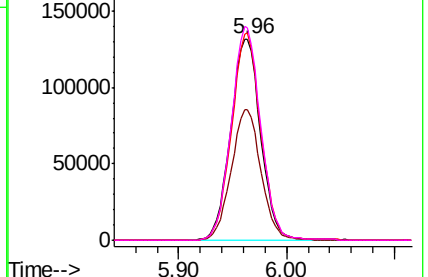
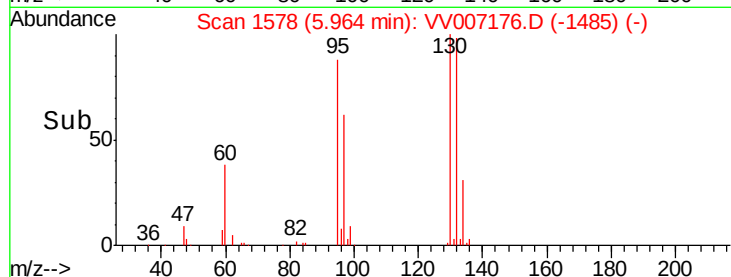


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 52.990 ug/L

RT: 6.18 min Scan# 1645

Delta R.T. -0.00 min

Lab File: VV007176.D

Acq: 24 Aug 2018 18:08

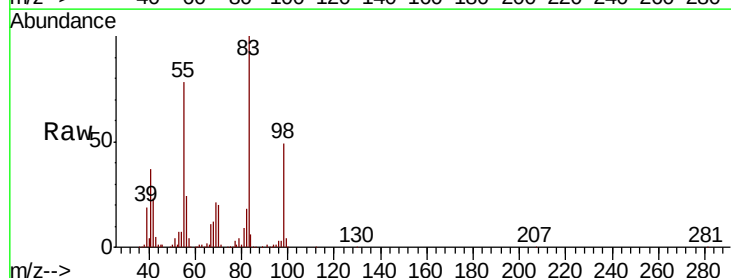
Tgt Ion: 83 Resp: 432739

Ion Ratio Lower Upper

83 100

55 77.8 62.2 93.2

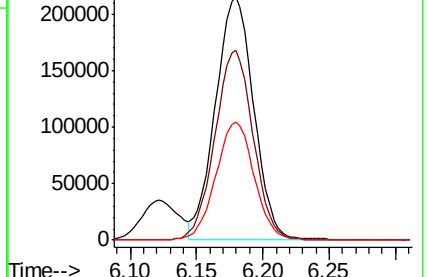
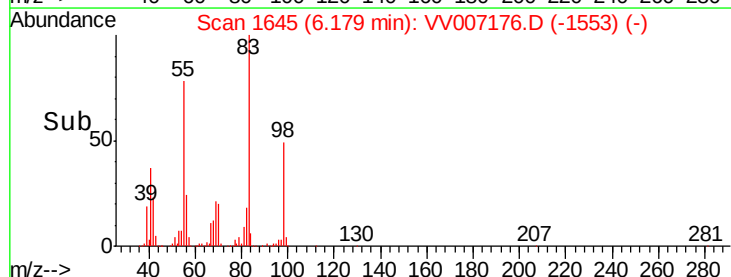
98 48.9 37.9 56.9

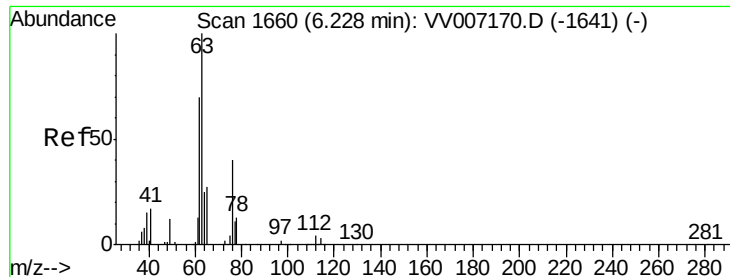


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

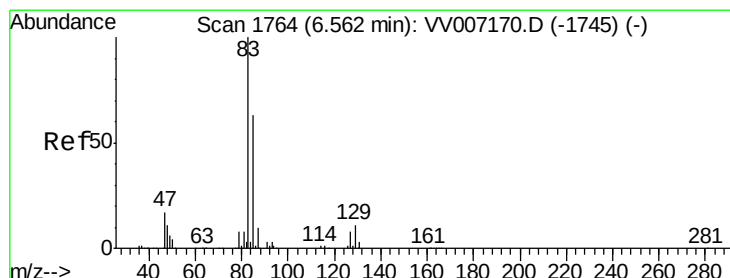
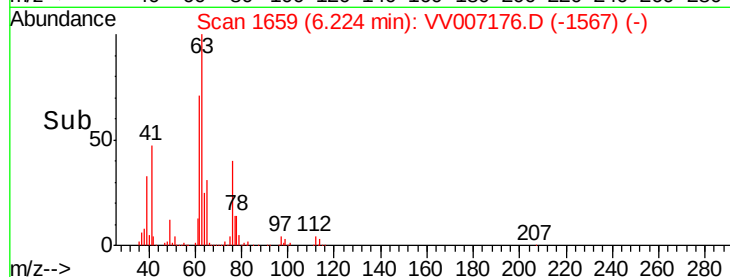
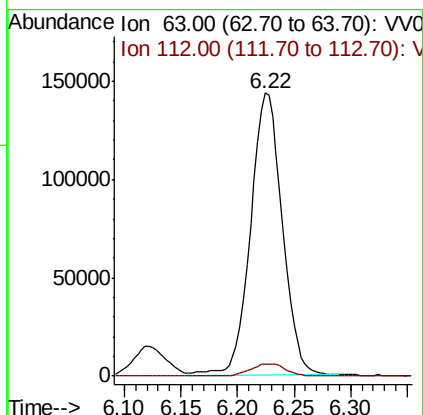
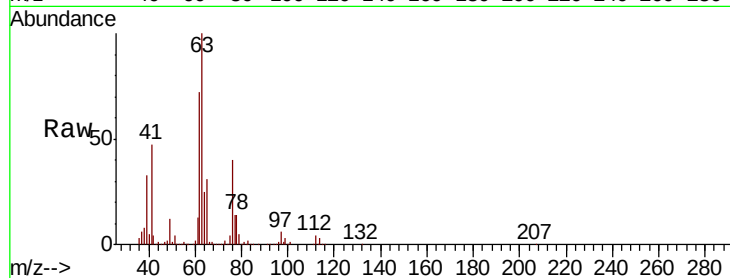




#37
 1,2-Dichloropropane
 Concen: 49.726 ug/L
 RT: 6.22 min Scan# 1659
 Delta R.T. -0.00 min
 Lab File: VV007176.D
 Acq: 24 Aug 2018 18:08

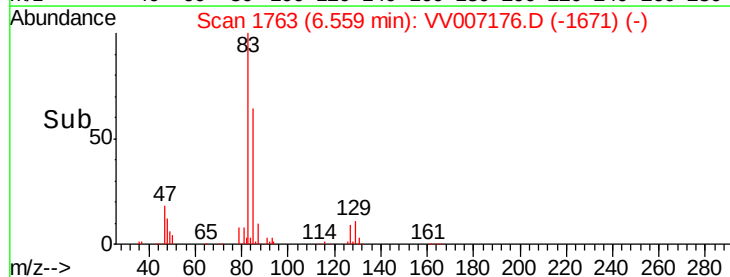
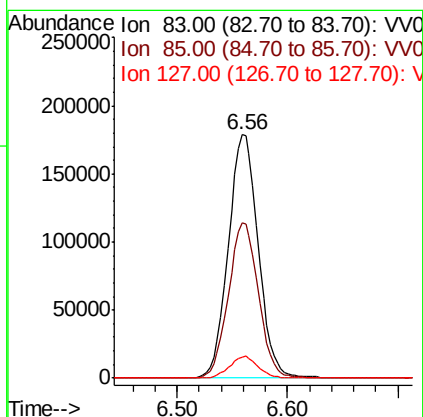
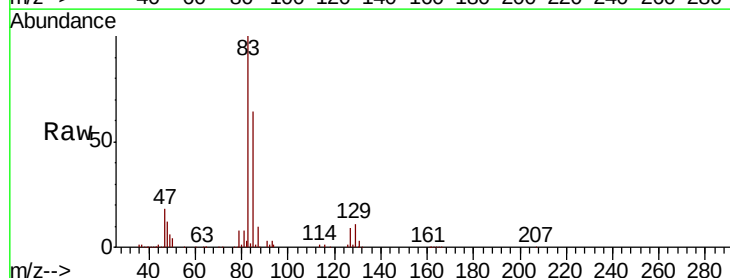
Instrument :
 MSVOA_V
 ClientSampleId :

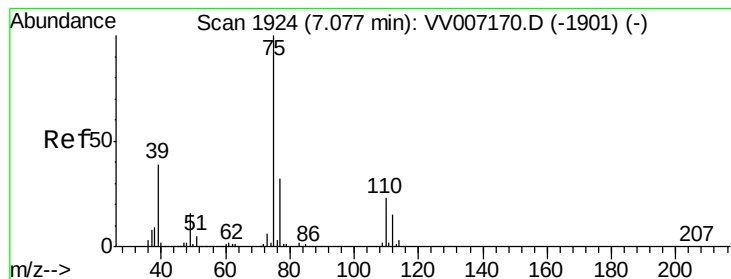
Tot Ion: 63 Resp: 279359
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.6 5.4



#38
 Bromodichloromethane
 Concen: 49.225 ug/L
 RT: 6.56 min Scan# 1763
 Delta R.T. -0.00 min
 Lab File: VV007176.D
 Acq: 24 Aug 2018 18:08

Tgt Ion: 83 Resp: 336309
 Ion Ratio Lower Upper
 83 100
 85 63.9 44.1 81.9
 127 8.7 6.6 10.0



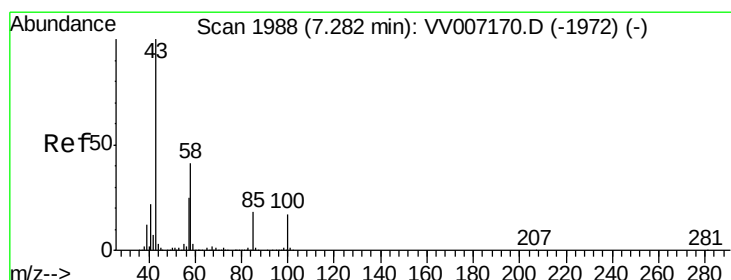
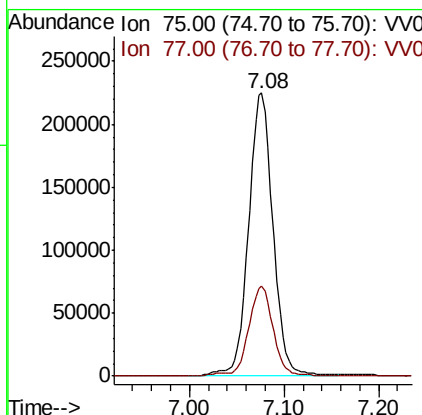
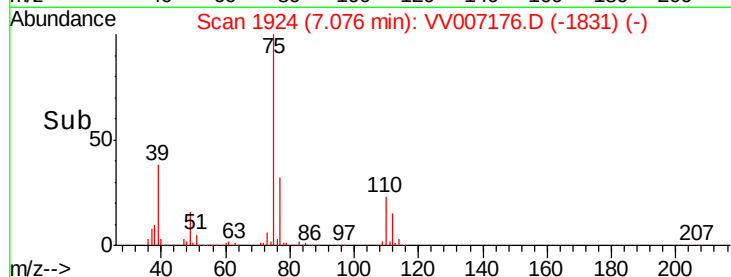
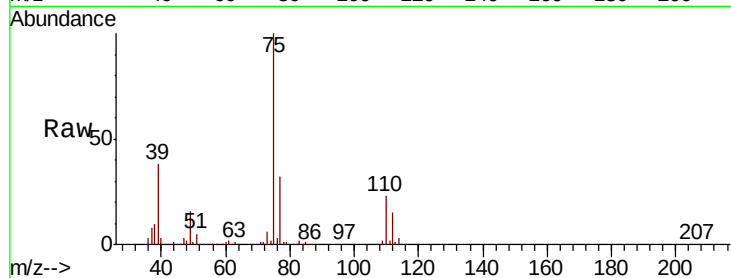


#39

cis-1,3-Dichloropropene
 Concen: 51.661 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. -0.00 min
 Lab File: VV007176.D
 Acq: 24 Aug 2018 18:08

Instrument :
 MSVOA_V
 ClientSampled :

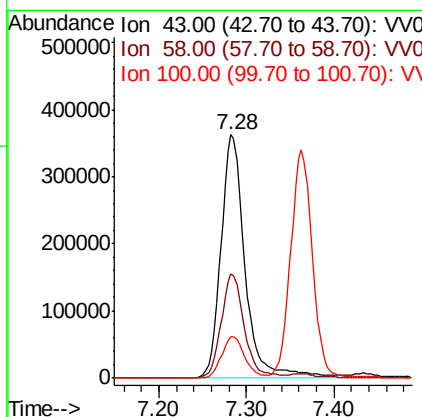
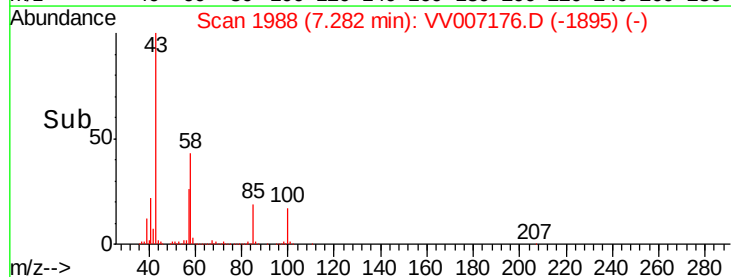
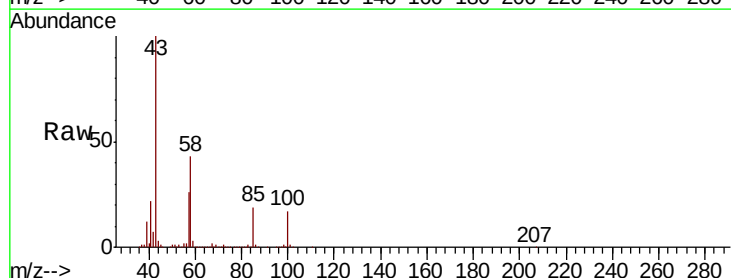
Tot Ion: 75 Resp: 404513
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.2 41.2

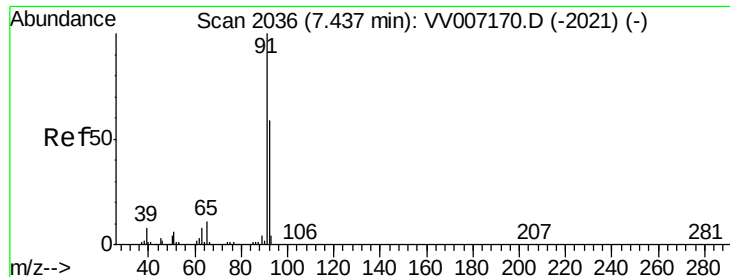


#40

4-Methyl-2-pentanone
 Concen: 105.173 ug/L
 RT: 7.28 min Scan# 1988
 Delta R.T. -0.00 min
 Lab File: VV007176.D
 Acq: 24 Aug 2018 18:08

Tgt Ion: 43 Resp: 692758
 Ion Ratio Lower Upper
 43 100
 58 40.9 31.5 47.3
 100 16.2 12.6 18.8





#42

Toluene

Concen: 52.919 ug/L

RT: 7.43 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VV007176.D

Acq: 24 Aug 2018 18:08

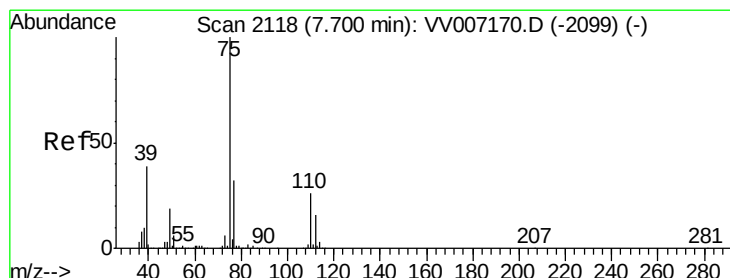
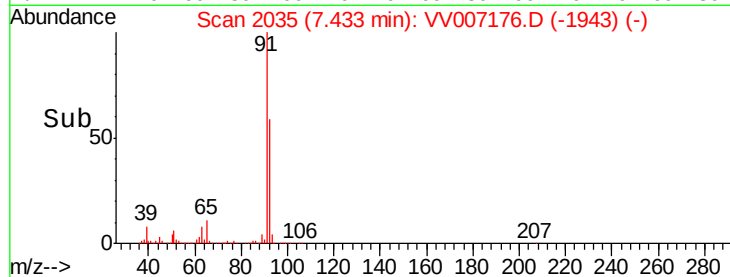
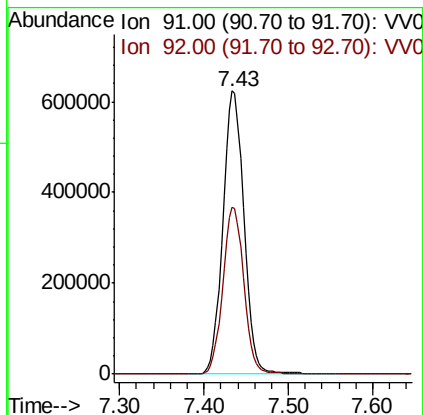
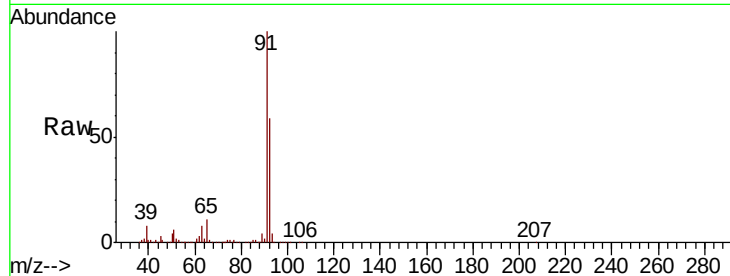
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 1083370

Ion Ratio Lower Upper

91 100

92 59.0 41.2 76.6



#44

trans-1,3-Dichloropropene

Concen: 50.817 ug/L

RT: 7.70 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VV007176.D

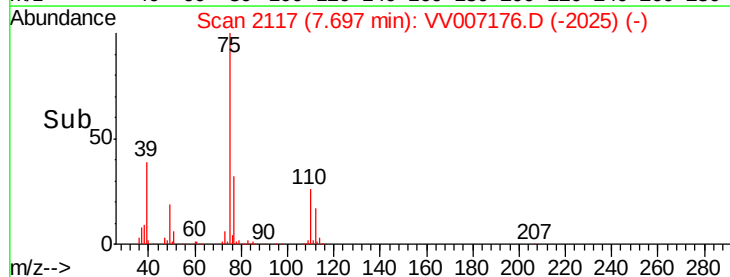
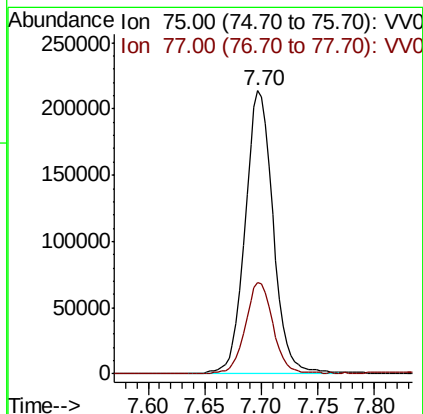
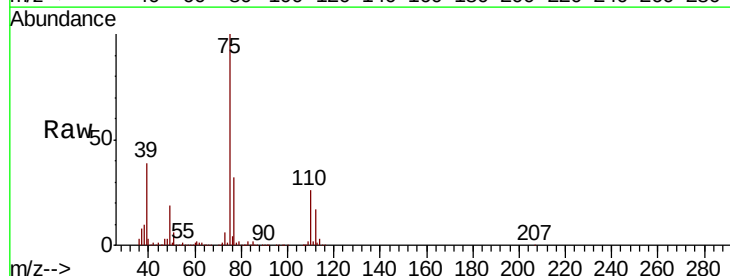
Acq: 24 Aug 2018 18:08

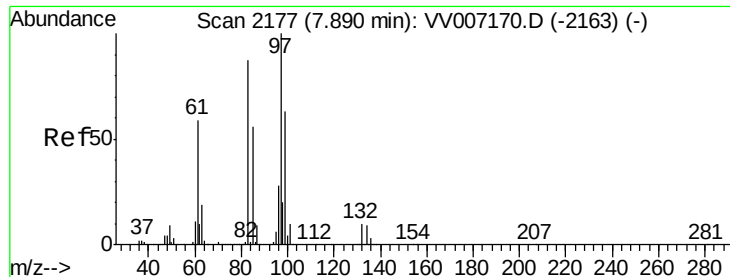
Tgt Ion: 75 Resp: 369734

Ion Ratio Lower Upper

75 100

77 32.5 22.6 42.0

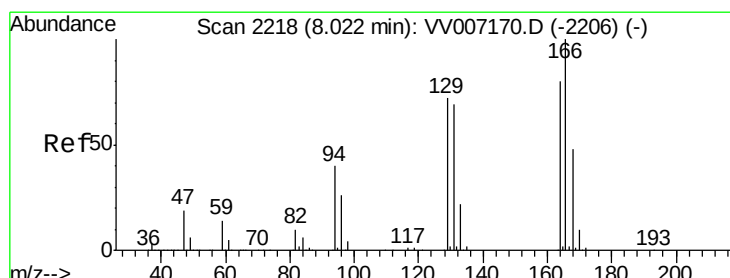
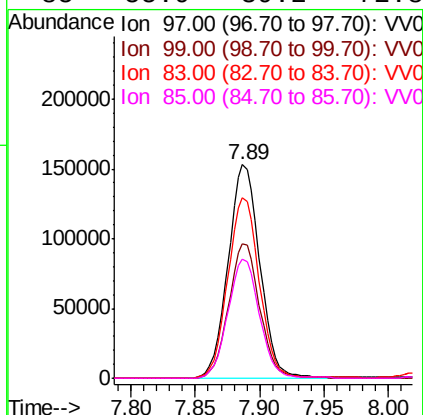
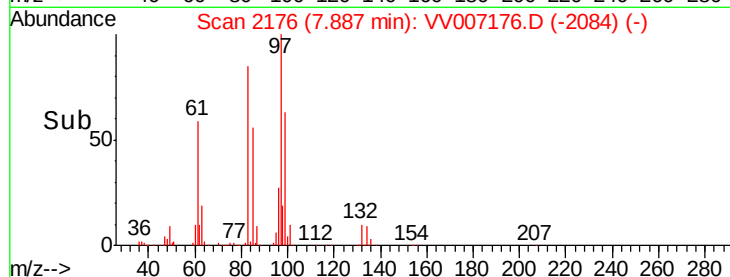
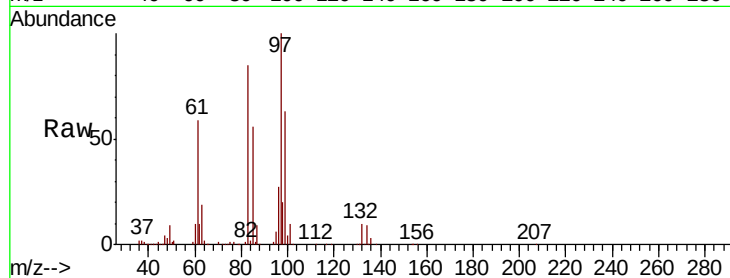




#45
 1,1,2-Trichloroethane
 Concen: 50.343 ug/L
 RT: 7.89 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VV007176.D
 Acq: 24 Aug 2018 18:08

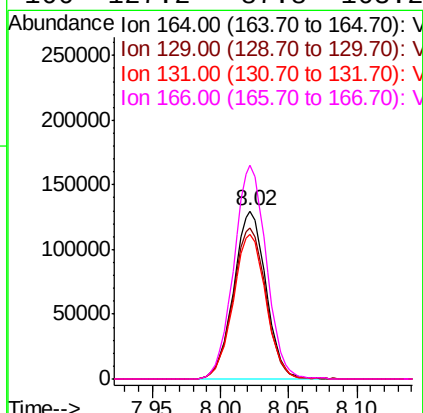
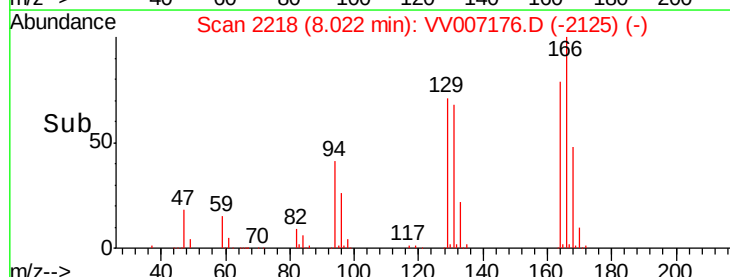
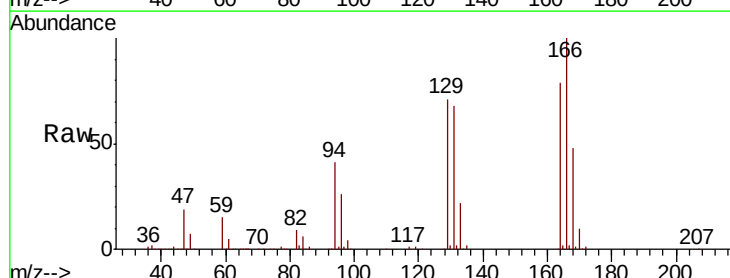
Instrument :
 MSVOA_V
 ClientSampled :

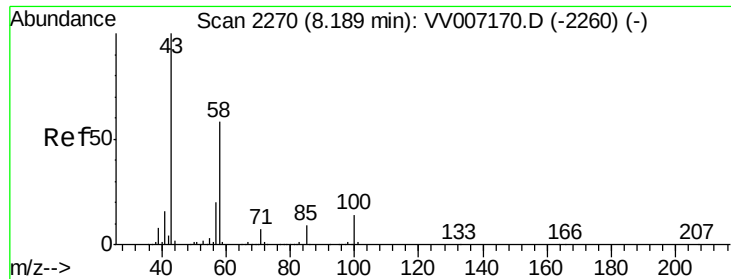
Tot Ion:	97	Resp:	261913
Ion	Ratio	Lower	Upper
97	100		
99	63.2	43.8	81.4
83	84.6	61.0	113.4
85	55.9	39.2	72.8



#46
 Tetrachloroethene
 Concen: 50.371 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VV007176.D
 Acq: 24 Aug 2018 18:08

Tgt Ion:	164	Resp:	213316
Ion	Ratio	Lower	Upper
164	100		
129	89.9	63.3	117.7
131	86.3	60.6	112.6
166	127.2	87.8	163.2

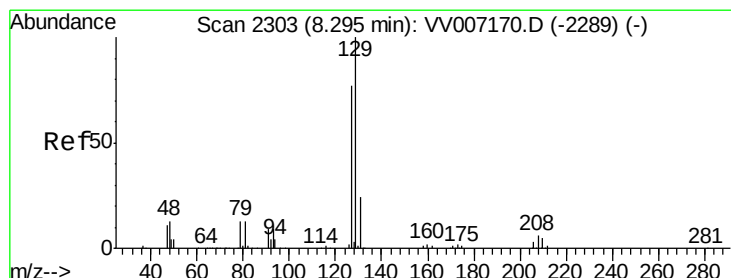
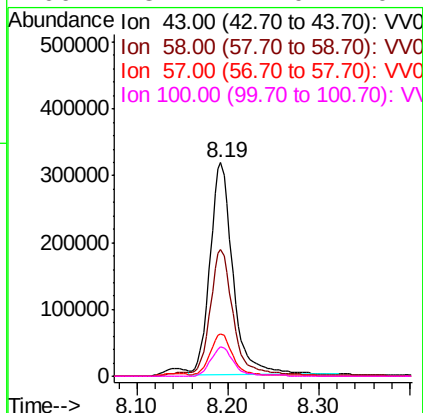
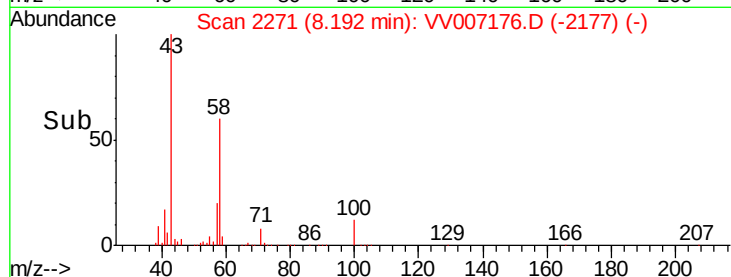
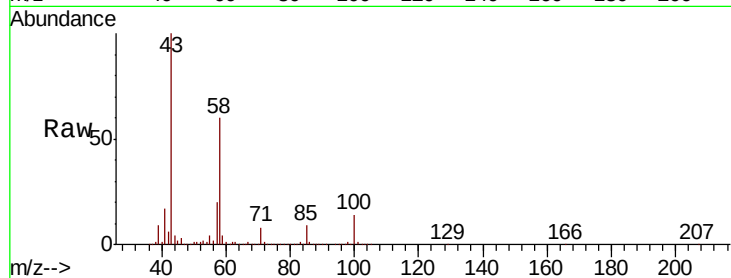




#48
2-Hexanone
Concen: 108.447 ug/L
RT: 8.19 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV007176.D
Acq: 24 Aug 2018 18:08

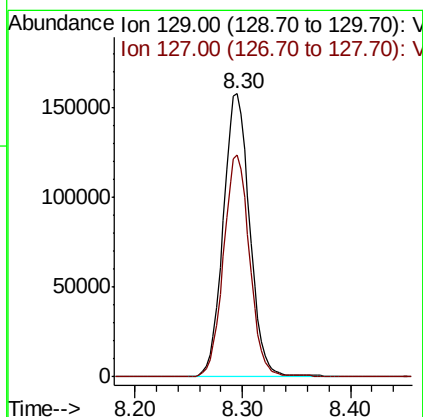
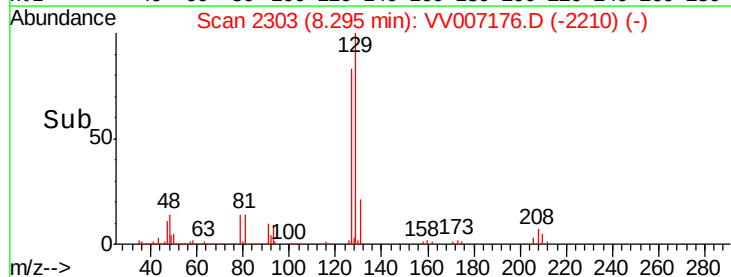
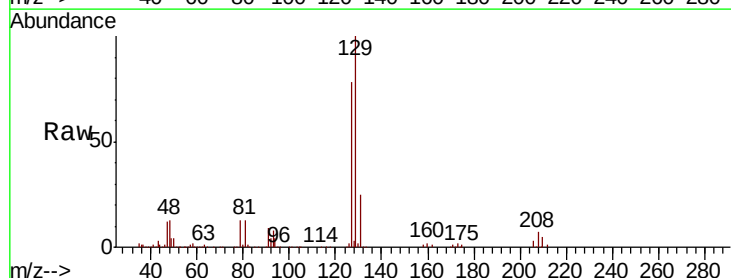
Instrument :
MSVOA_V
ClientSampleId :

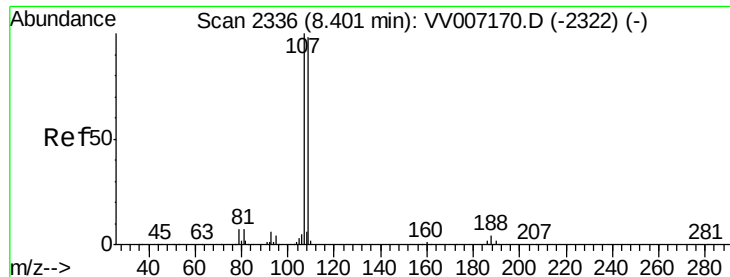
Tot Ion:	43	Resp:	559276
Ion	Ratio	Lower	Upper
43	100		
58	57.1	47.3	70.9
57	19.6	16.5	24.7
100	13.4	11.0	16.4



#49
Dibromochloromethane
Concen: 50.430 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VV007176.D
Acq: 24 Aug 2018 18:08

Tgt Ion:	129	Resp:	269105
Ion	Ratio	Lower	Upper
129	100		
127	78.5	54.0	100.2





#50

1,2-Dibromoethane

Concen: 50.353 ug/L

RT: 8.40 min Scan# 2336

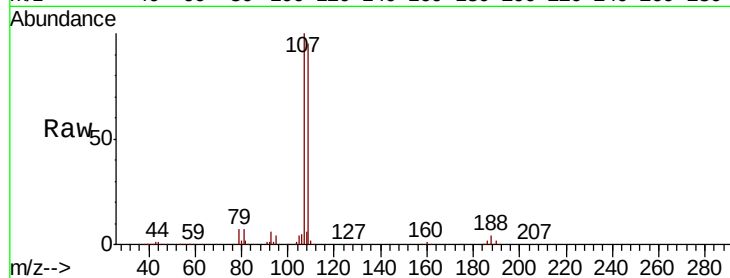
Delta R.T. -0.00 min

Lab File: VV007176.D

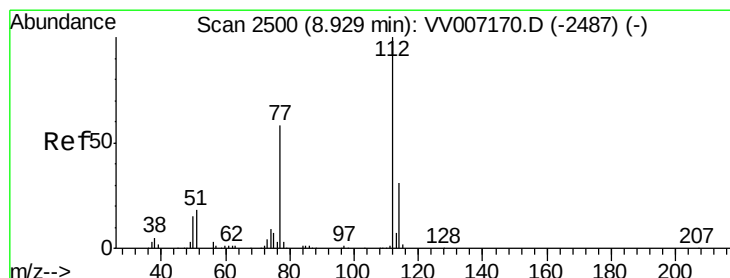
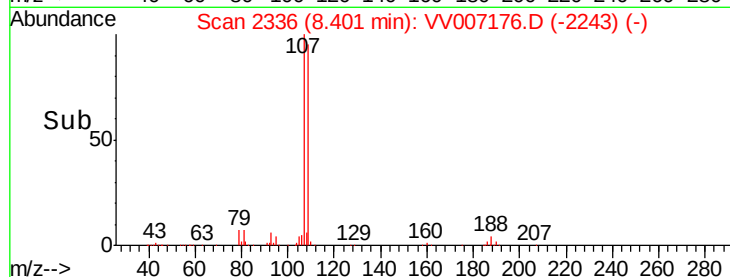
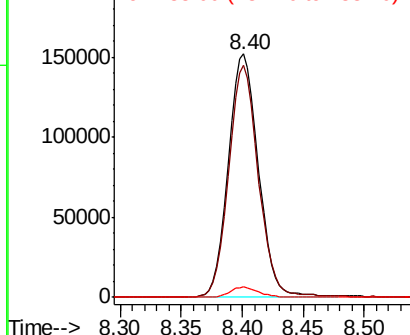
Acq: 24 Aug 2018 18:08

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	107	Resp:	263205
Ion	Ratio	Lower	Upper
107	100		
109	95.3	68.3	126.8
188	4.2	3.3	4.9



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V



#51

Chlorobenzene

Concen: 50.840 ug/L

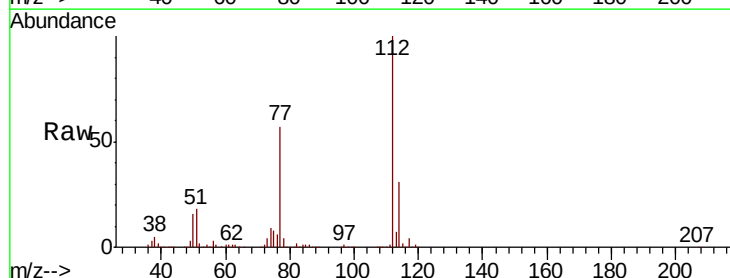
RT: 8.93 min Scan# 2500

Delta R.T. -0.00 min

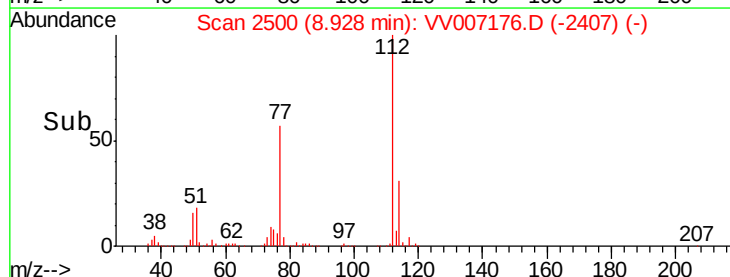
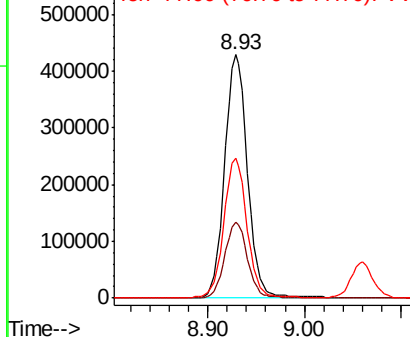
Lab File: VV007176.D

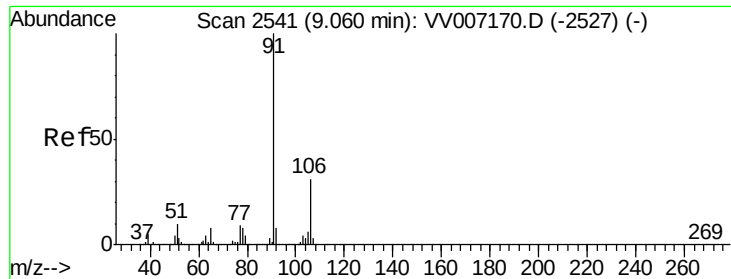
Acq: 24 Aug 2018 18:08

Tgt Ion:	112	Resp:	703763
Ion	Ratio	Lower	Upper
112	100		
114	31.2	22.0	40.8
77	57.2	46.4	69.6



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): VV0





#52

Ethylbenzene

Concen: 52.937 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. -0.00 min

Lab File: VV007176.D

Acq: 24 Aug 2018 18:08

Instrument :

MSVOA_V

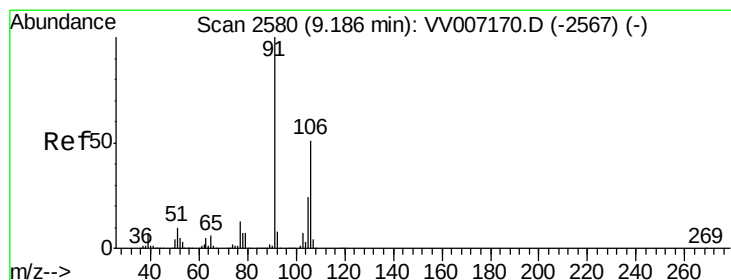
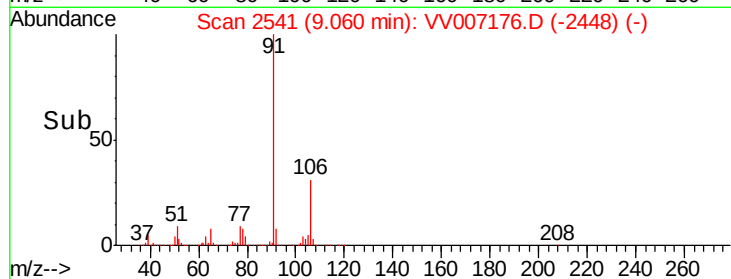
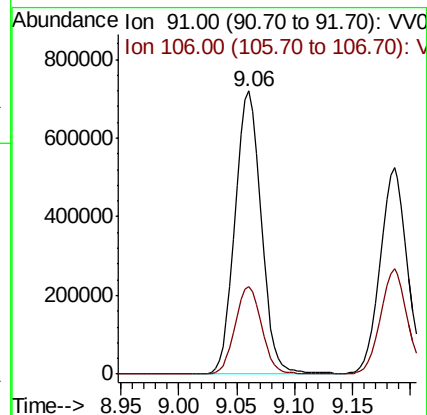
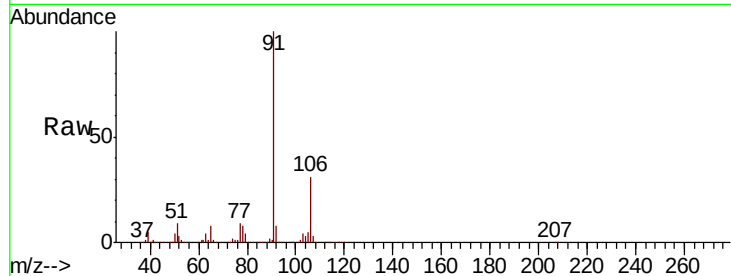
ClientSampled :

Tot Ion: 91 Resp: 1125424

Ion Ratio Lower Upper

91 100

106 31.0 22.0 40.8



#53

m,p-Xylene

Concen: 53.345 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. -0.00 min

Lab File: VV007176.D

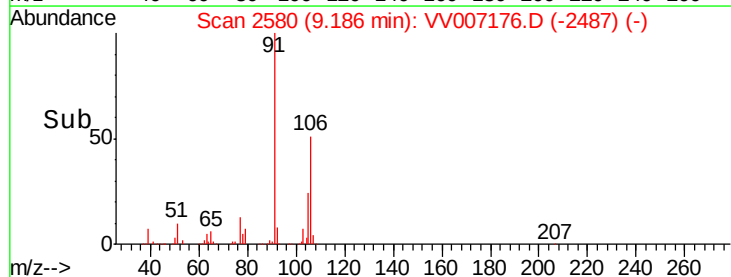
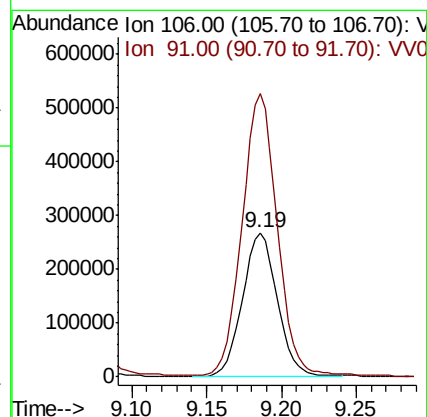
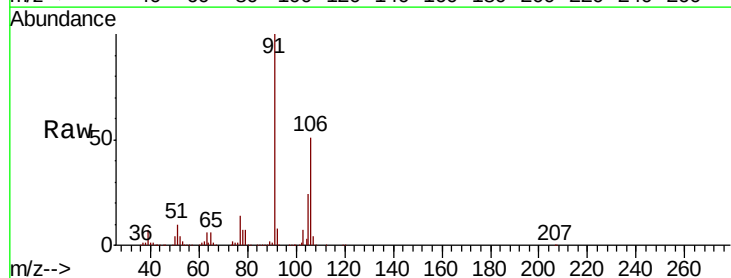
Acq: 24 Aug 2018 18:08

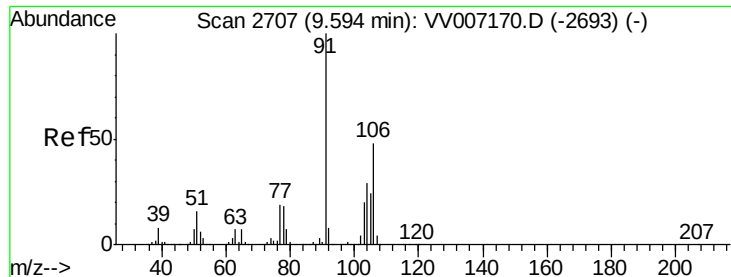
Tgt Ion: 106 Resp: 430618

Ion Ratio Lower Upper

106 100

91 196.7 138.9 258.1





#54

o-xylene

Concen: 53.215 ug/L

RT: 9.59 min Scan# 2706

Delta R.T. -0.00 min

Lab File: VV007176.D

Acq: 24 Aug 2018 18:08

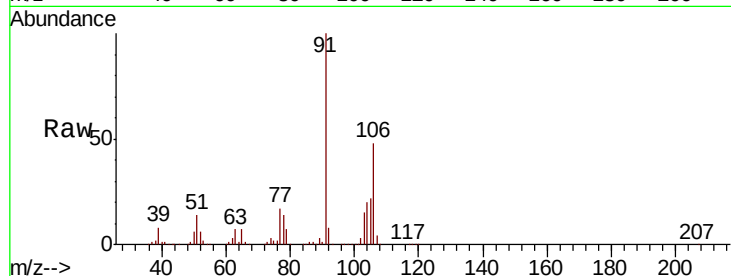
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 413455

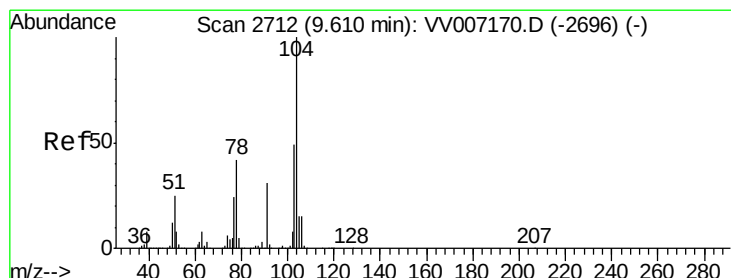
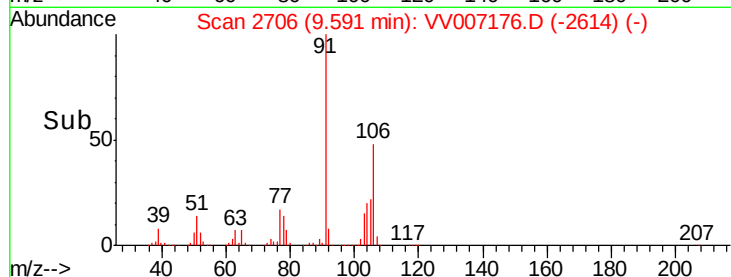
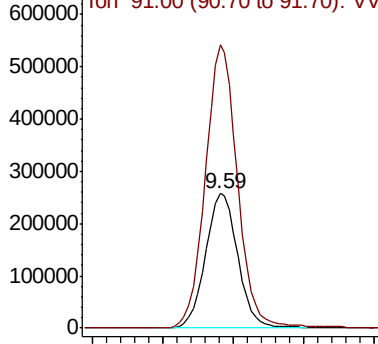
Ion Ratio Lower Upper

106 100

91 210.2 145.2 269.6



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 55.816 ug/L

RT: 9.61 min Scan# 2711

Delta R.T. -0.00 min

Lab File: VV007176.D

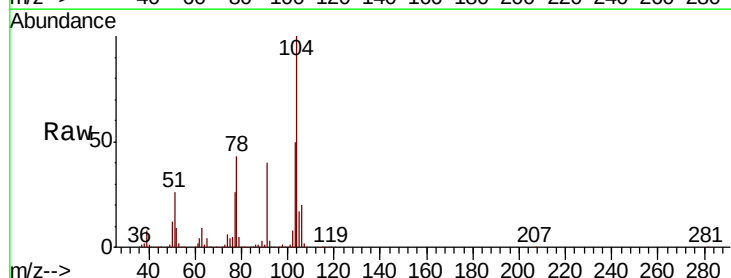
Acq: 24 Aug 2018 18:08

Tgt Ion:104 Resp: 744128

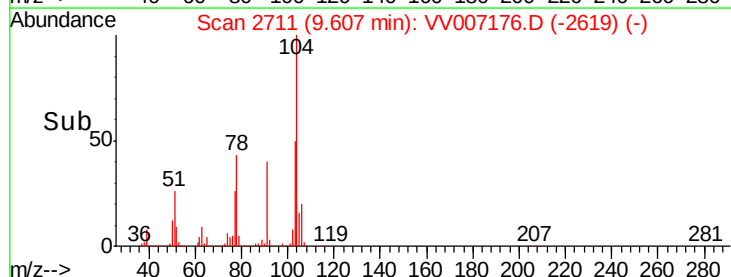
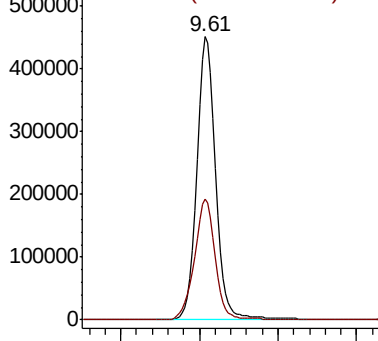
Ion Ratio Lower Upper

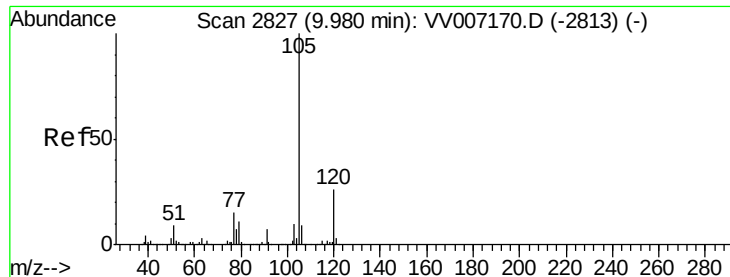
104 100

78 42.8 29.3 54.3



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 54.185 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. -0.00 min

Lab File: VV007176.D

Acq: 24 Aug 2018 18:08

Instrument :

MSVOA_V

ClientSampleId :

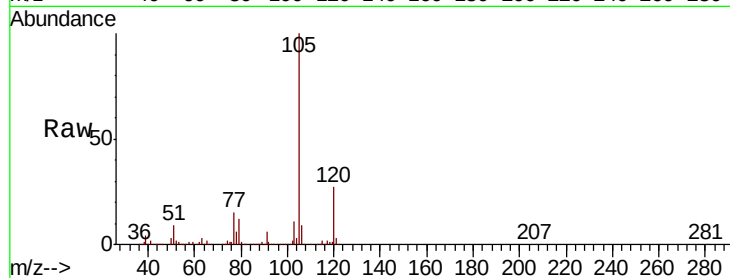
Tot Ion:105 Resp: 1076827

Ion Ratio Lower Upper

105 100

120 26.6 21.2 31.8

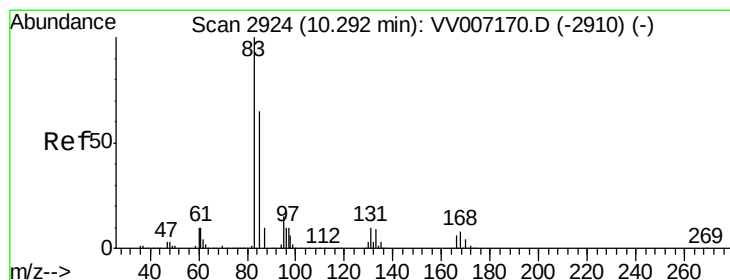
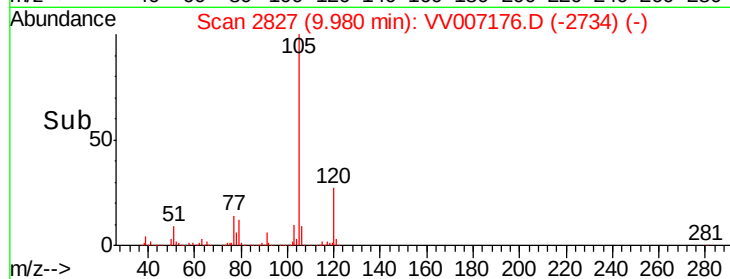
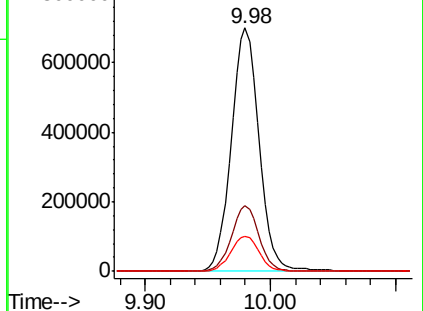
77 14.8 11.8 17.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 49.848 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. -0.00 min

Lab File: VV007176.D

Acq: 24 Aug 2018 18:08

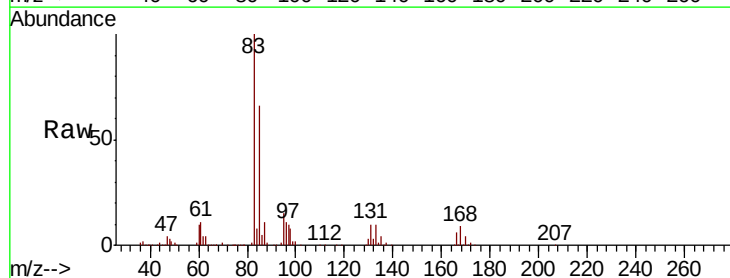
Tgt Ion: 83 Resp: 425834

Ion Ratio Lower Upper

83 100

85 65.6 45.4 84.2

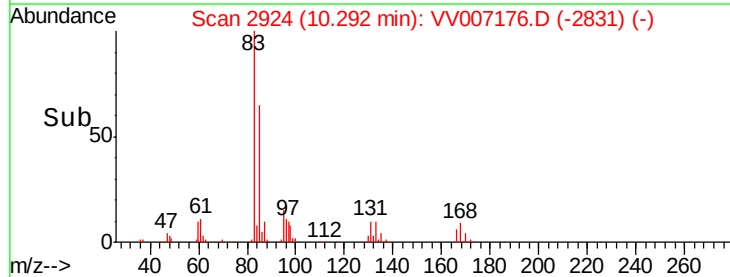
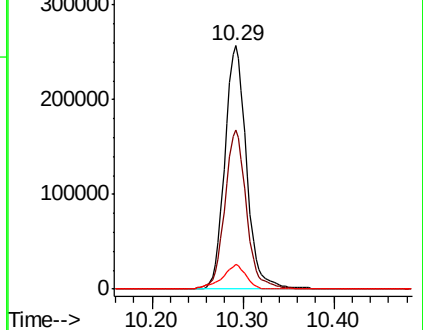
131 10.0 8.2 12.2

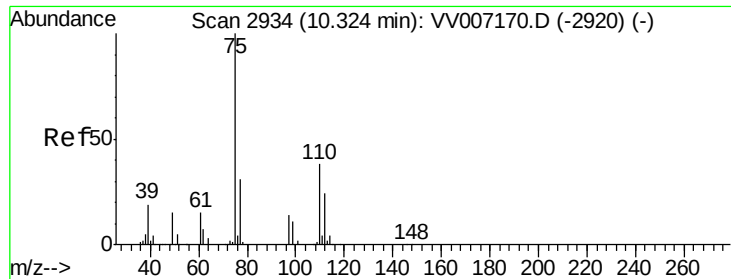


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 49.228 ug/L

RT: 10.32 min Scan# 2934

Delta R.T. -0.00 min

Lab File: VV007176.D

Acq: 24 Aug 2018 18:08

Instrument :

MSVOA_V

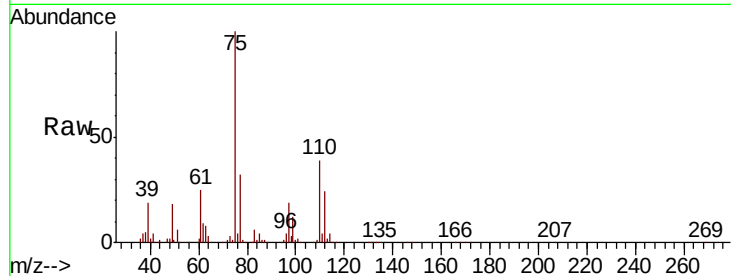
ClientSampled :

Tot Ion: 75 Resp: 338122

Ion Ratio Lower Upper

75 100

77 31.5 24.6 37.0



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

250000

200000

150000

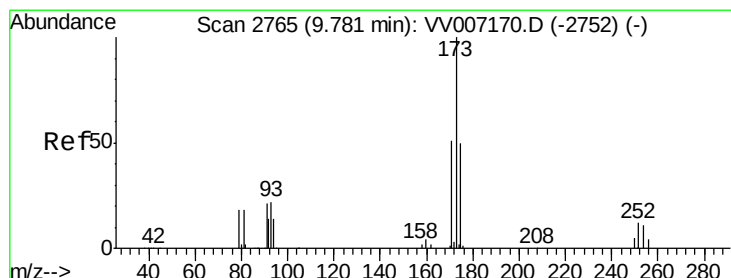
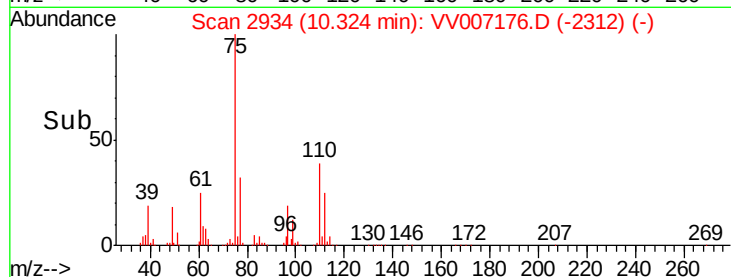
100000

50000

0

10.25 10.30 10.35 10.40

Time-->



#61

Bromoform

Concen: 47.312 ug/L

RT: 9.78 min Scan# 2765

Delta R.T. -0.00 min

Lab File: VV007176.D

Acq: 24 Aug 2018 18:08

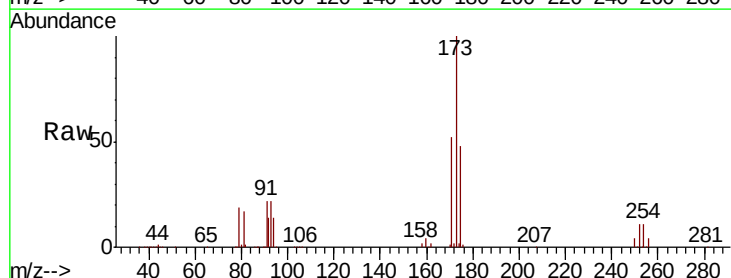
Tgt Ion: 173 Resp: 193648

Ion Ratio Lower Upper

173 100

175 48.7 38.6 58.0

254 11.2 8.6 12.8



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

150000

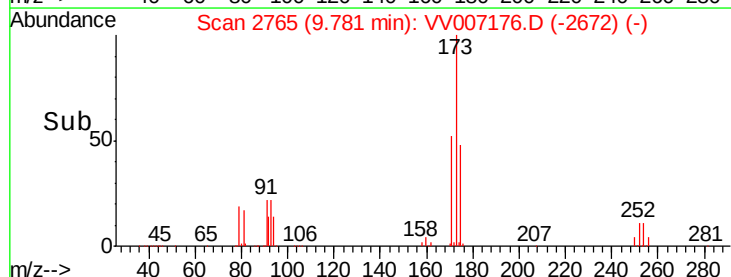
100000

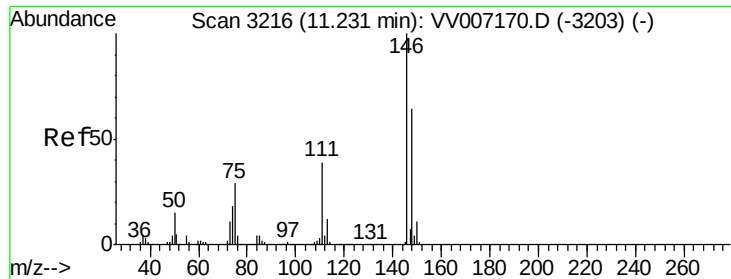
50000

0

9.70 9.75 9.80 9.85

Time-->

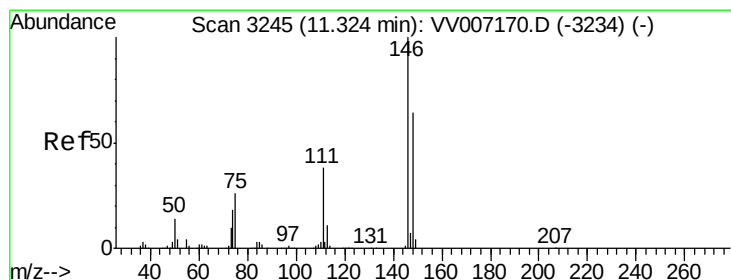
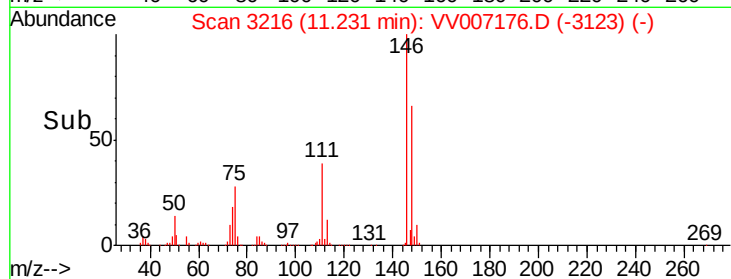
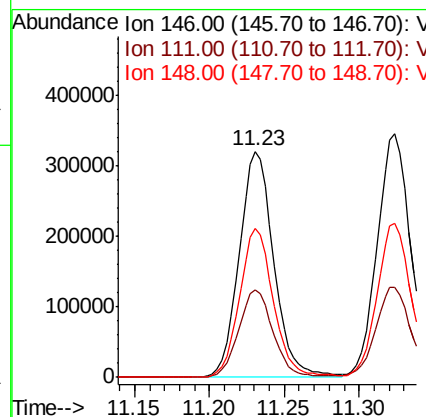
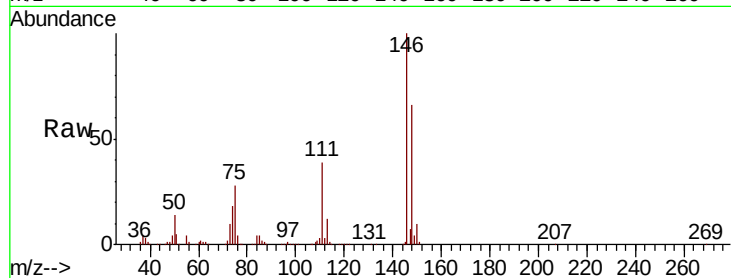




#62
 1,3-Dichlorobenzene
 Concen: 49.990 ug/L
 RT: 11.23 min Scan# 3216
 Delta R.T. -0.00 min
 Lab File: VV007176.D
 Acq: 24 Aug 2018 18:08

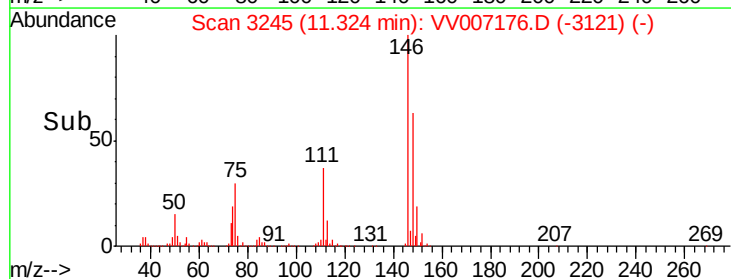
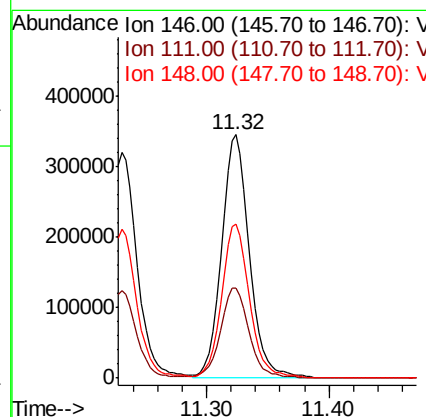
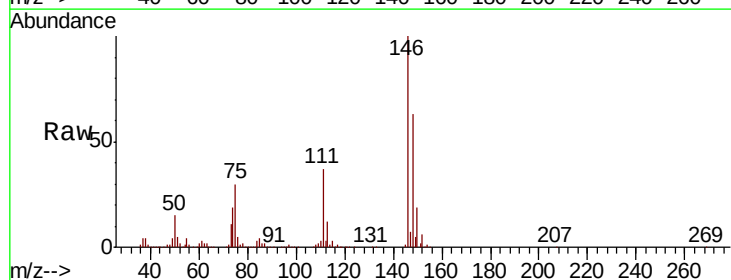
Instrument :
 MSVOA_V
 ClientSampleId :

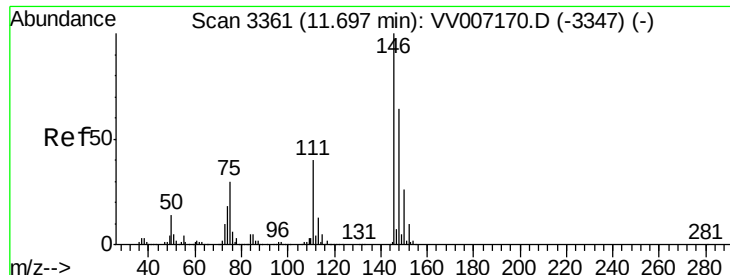
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	27.1	50.3
148	66.0	44.8	83.2



#63
 1,4-Dichlorobenzene
 Concen: 49.865 ug/L
 RT: 11.32 min Scan# 3245
 Delta R.T. -0.00 min
 Lab File: VV007176.D
 Acq: 24 Aug 2018 18:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	26.7	49.5
148	63.5	44.7	82.9

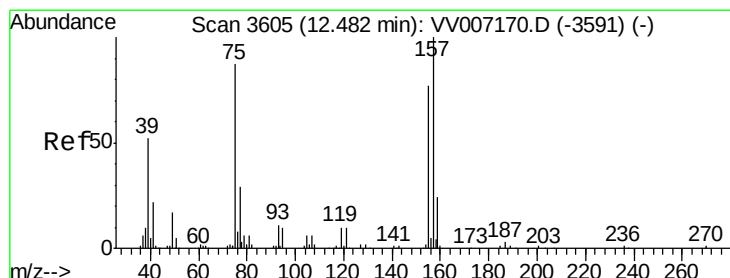
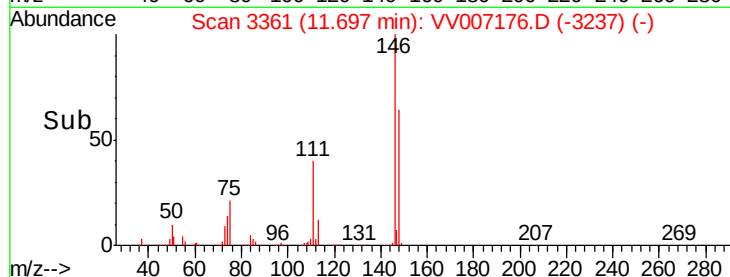
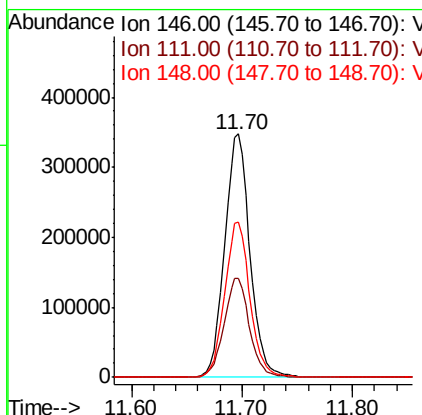
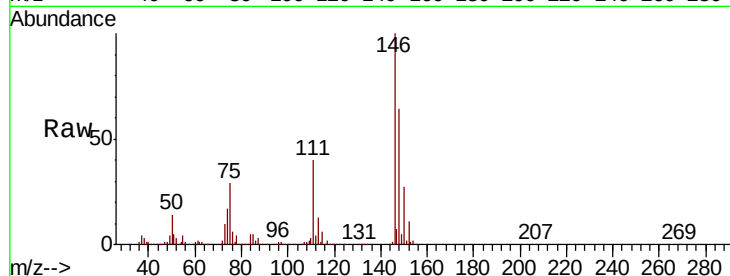




#65
 1,2-Dichlorobenzene
 Concen: 49.803 ug/L
 RT: 11.70 min Scan# 3361
 Delta R.T. -0.00 min
 Lab File: VV007176.D
 Acq: 24 Aug 2018 18:08

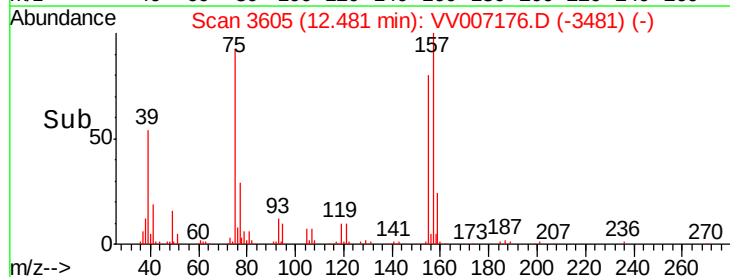
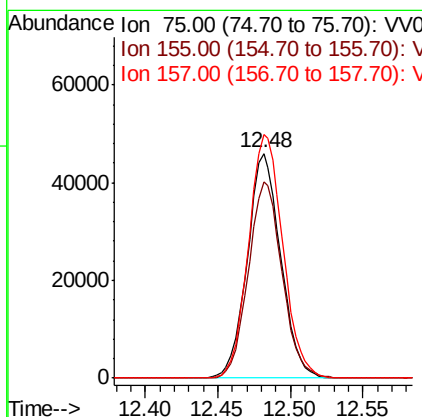
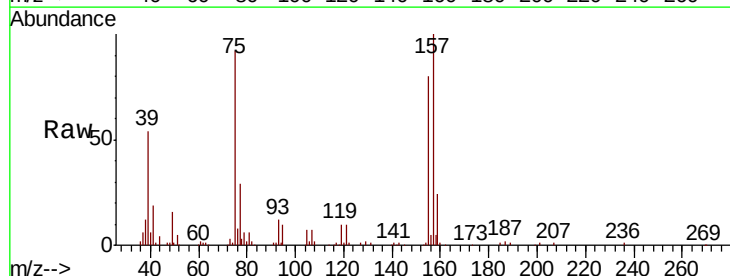
Instrument :
 MSVOA_V
 ClientSampleId :

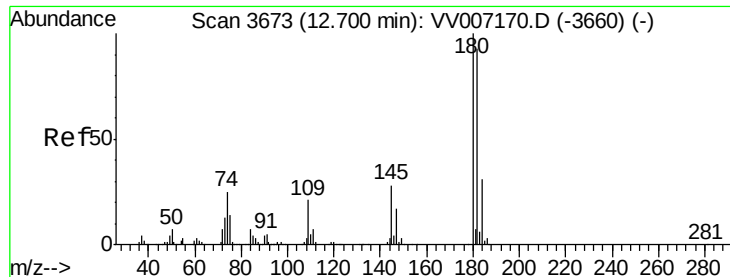
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	32.2	48.2
148	63.8	51.0	76.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 47.121 ug/L
 RT: 12.48 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VV007176.D
 Acq: 24 Aug 2018 18:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.1	70.6	106.0
157	108.3	91.8	137.8

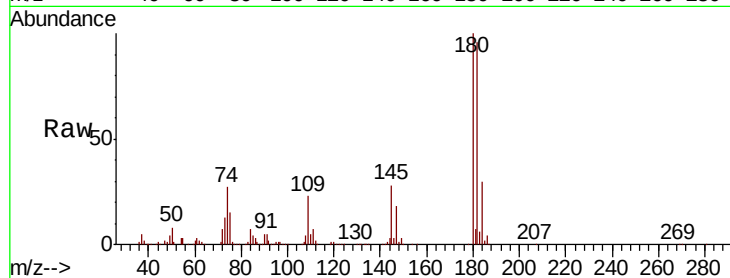




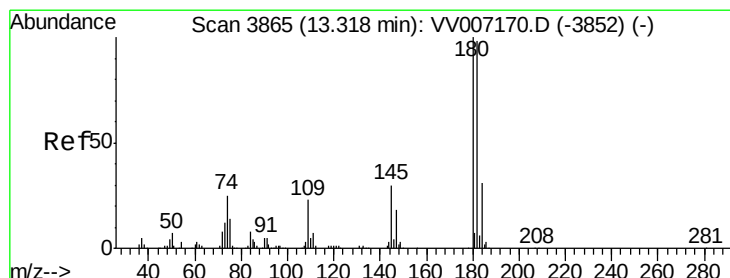
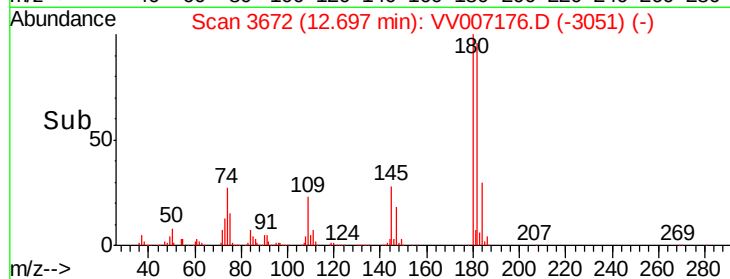
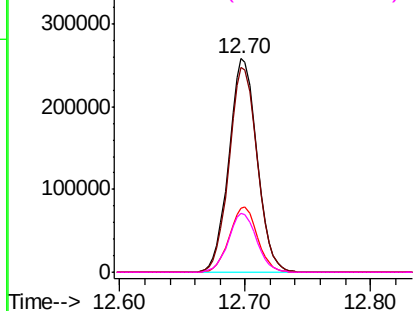
#67
 1,3,5-Trichlorobenzene
 Concen: 53.349 ug/L
 RT: 12.70 min Scan# 3672
 Delta R.T. -0.00 min
 Lab File: VV007176.D
 Acq: 24 Aug 2018 18:08

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180	Resp:	401841
Ion Ratio	Lower	Upper
180	100	
182	95.7	75.8 113.8
184	30.3	24.4 36.6
145	27.7	22.6 33.8

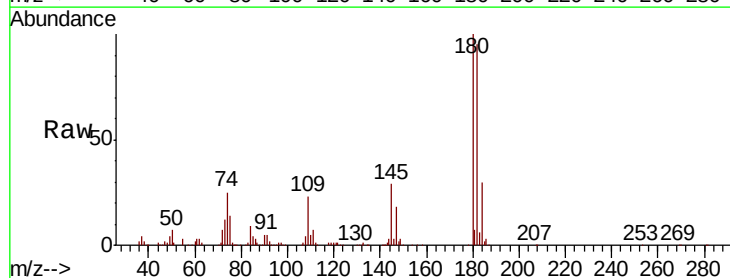


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

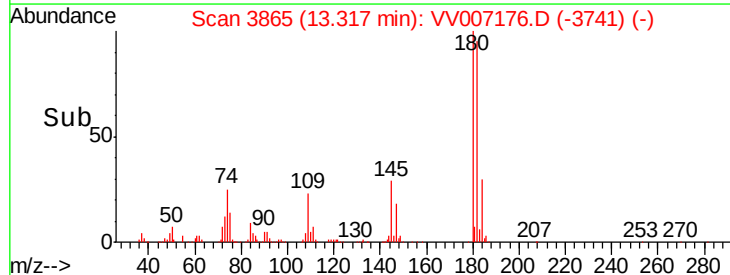
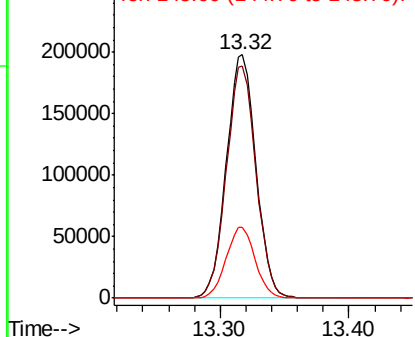


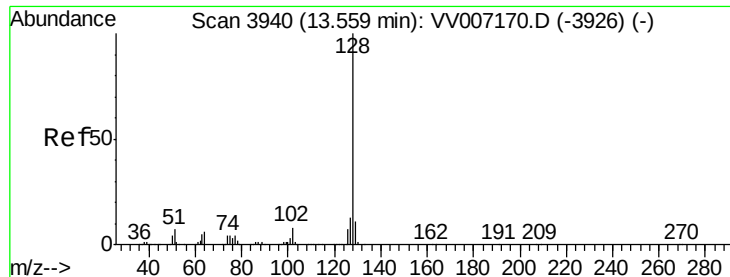
#68
 1,2,4-trichlorobenzene
 Concen: 55.932 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. -0.00 min
 Lab File: VV007176.D
 Acq: 24 Aug 2018 18:08

Tgt Ion:180	Resp:	314200
Ion Ratio	Lower	Upper
180	100	
182	95.5	77.6 116.4
145	28.8	23.4 35.2



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





#69

Naphthalene

Concen: 53.485 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. -0.00 min

Lab File: VV007176.D

Acq: 24 Aug 2018 18:08

Instrument :

MSVOA_V

ClientSampleId :

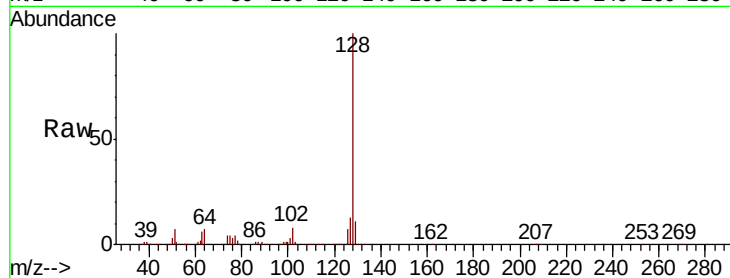
Tot Ion:128 Resp: 817372

Ion Ratio Lower Upper

128 100

127 12.6 10.3 15.5

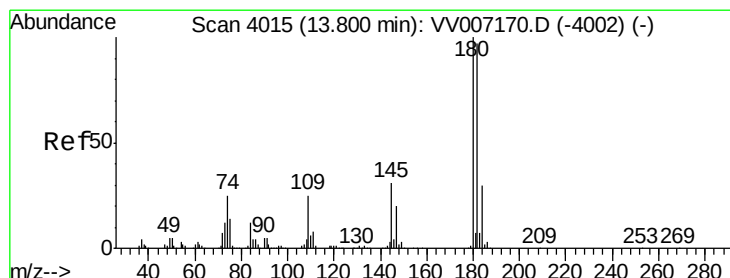
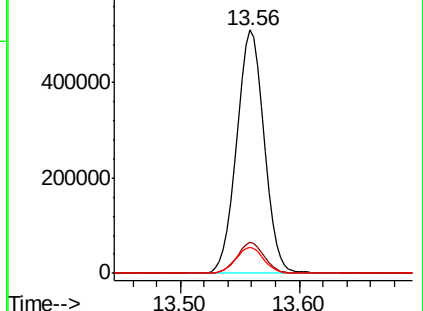
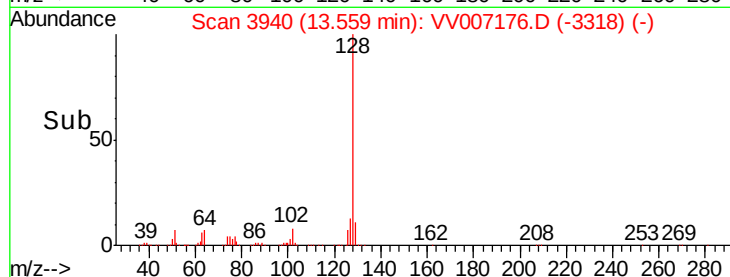
129 10.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 57.016 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. -0.00 min

Lab File: VV007176.D

Acq: 24 Aug 2018 18:08

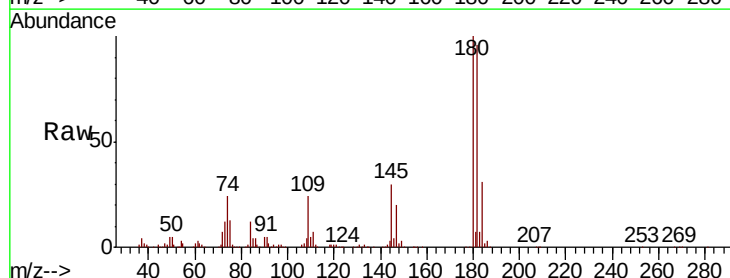
Tgt Ion:180 Resp: 343713

Ion Ratio Lower Upper

180 100

182 96.4 77.0 115.4

145 30.5 24.7 37.1



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

