

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082418\
 Data File : VV007172.D
 Acq On : 24 Aug 2018 15:42
 Operator : SY/MD
 Sample : VSTD200
 Misc : 5.0 mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 24 23:21:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM082418WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 24 23:19:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	755532	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	722348	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	384074	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	1040151	214.88	ug/L	0.00
7) Chloroethane-d5	1.58	69	810072	250.98	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	1794781	202.67	ug/L	0.00
21) 2-Butanone-d5	3.95	46	1628495	407.93	ug/L	0.00
24) Chloroform-d	4.41	84	1999946	197.00	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	1216554	198.48	ug/L	0.00
32) Benzene-d6	5.10	84	4241428	210.61	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	1350282	203.38	ug/L	0.00
41) Toluene-d8	7.37	98	3884713	219.04	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	645255	225.77	ug/L	0.00
47) 2-Hexanone-d5	8.14	63	1186765	512.41	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	1812718	191.72	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	1524887	197.89	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	1147539	170.456	ug/L	100
3) Chloromethane	1.25	50	1314014	153.747	ug/L	99
5) Vinyl chloride	1.32	62	1225556	174.109	ug/L	99
6) Bromomethane	1.52	94	366668	200.365	ug/L	99
8) Chloroethane	1.59	64	700821	180.325	ug/L	98
9) Trichlorofluoromethane	1.77	101	1516556	177.440	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	928823	178.281	ug/L	99
12) 1,1-Dichloroethene	2.14	96	884529	178.132	ug/L	93
13) Acetone	2.19	43	956128	310.790	ug/L	100
14) Carbon disulfide	2.32	76	2689269	177.566	ug/L	100
15) Methyl Acetate	2.46	43	987463	174.908	ug/L	99
16) Methylene chloride	2.54	84	995577	174.503	ug/L	99
17) trans-1,2-Dichloroethene	2.79	96	958636	178.431	ug/L	99
18) Methyl tert-butyl Ether	2.81	73	2989459	182.042	ug/L	100
19) 1,1-Dichloroethane	3.23	63	1967863	177.731	ug/L	99
20) cis-1,2-Dichloroethene	3.97	96	1218607	194.494	ug/L	99
22) 2-Butanone	4.04	43	1776707	365.404	ug/L	98
23) Bromochloromethane	4.31	128	584321	182.005	ug/L	100
25) Chloroform	4.43	83	1958679	180.479	ug/L	99
27) 1,2-Dichloroethane	5.19	62	1482568	180.828	ug/L	99
29) Cyclohexane	4.73	56	1856768	207.194	ug/L	100
30) 1,1,1-Trichloroethane	4.66	97	1651382	182.320	ug/L	100
31) Carbon tetrachloride	4.88	117	1435399	187.974	ug/L	100
33) Benzene	5.15	78	4591366	188.397	ug/L	100
34) Trichloroethene	5.96	95	1103601	189.550	ug/L	99
35) Methylcyclohexane	6.18	83	1986138	213.624	ug/L	97
37) 1,2-Dichloropropane	6.23	63	1213419	186.565	ug/L	100
38) Bromodichloromethane	6.56	83	1477003	189.746	ug/L	99
39) cis-1,3-Dichloropropene	7.08	75	1917618	217.833	ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	3080965	391.387	ug/L	94

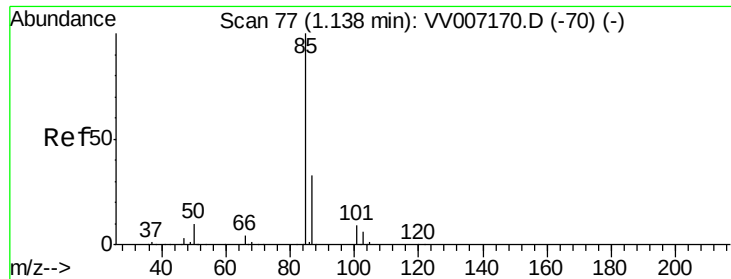
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082418\
 Data File : VV007172.D
 Acq On : 24 Aug 2018 15:42
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Quant Time: Aug 24 23:21:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM082418WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 24 23:19:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.44	91	4709547	199.878	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	1763644	215.658	ug/L	98
45) 1,1,2-Trichloroethane	7.89	97	1109960	182.998	ug/L	99
46) Tetrachloroethene	8.02	164	919367	194.000	ug/L	100
48) 2-Hexanone	8.19	43	2446013	391.745	ug/L	98
49) Dibromochloromethane	8.30	129	1201454	196.915	ug/L	99
50) 1,2-Dibromoethane	8.40	107	1138303	189.979	ug/L	97
51) Chlorobenzene	8.93	112	3042043	194.574	ug/L	99
52) Ethylbenzene	9.06	91	5163827	215.549	ug/L	99
53) m,p-Xylene	9.19	106	2001312	218.356	ug/L	98
54) o-xylene	9.59	106	1963906	221.473	ug/L	100
55) Styrene	9.61	104	3398095	222.239	ug/L	99
56) Isopropylbenzene	9.98	105	5033065	224.512	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	1830723	176.699	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	1442214	173.212	ug/L	98
61) Bromoform	9.78	173	890789	172.473	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	2342819	189.473	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	2450848	186.949	ug/L	99
65) 1,2-Dichlorobenzene	11.70	146	2442568	180.851	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	387946	203.828	ug/L	99
67) 1,3,5-Trichlorobenzene	12.70	180	1872245	219.083	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	1674342	286.663	ug/L	99
69) Naphthalene	13.56	128	5056949	320.065	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	1735847	273.786	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 170.456 ug/L

RT: 1.14 min Scan# 77

Delta R.T. 0.00 min

Lab File: VV007172.D

Acq: 24 Aug 2018 15:42

Instrument :

MSVOA_V

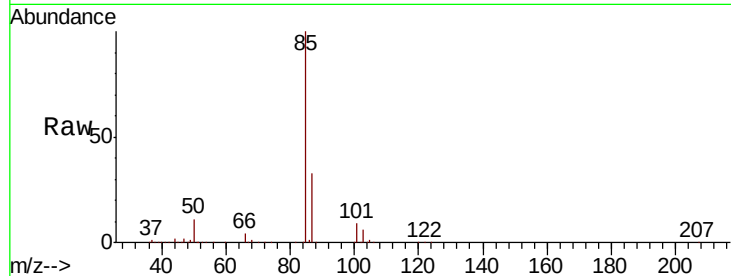
ClientSampleId :

Tot Ion: 85 Resp: 1147539

Ion Ratio Lower Upper

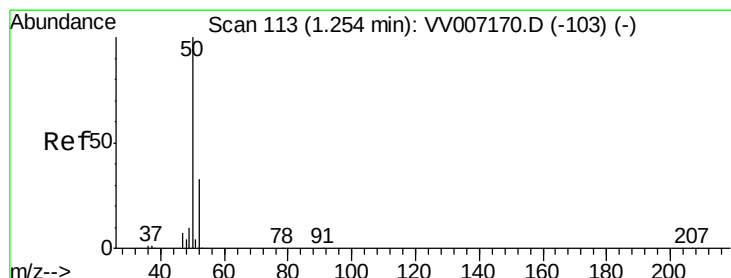
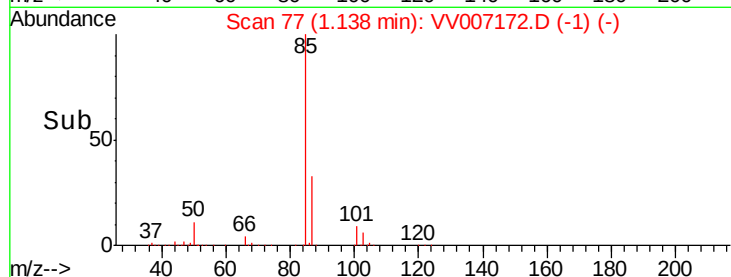
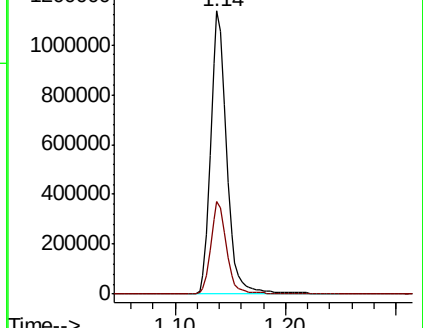
85 100

87 32.4 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VV007172.D (-70) (-)

Ion 87.00 (86.70 to 87.70): VV007172.D (-70) (-)



#3

Chloromethane

Concen: 153.747 ug/L

RT: 1.25 min Scan# 112

Delta R.T. -0.00 min

Lab File: VV007172.D

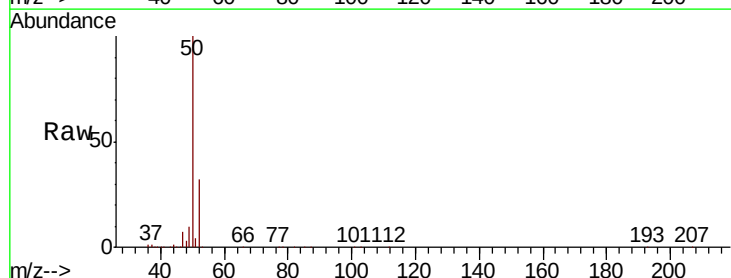
Acq: 24 Aug 2018 15:42

Tgt Ion: 50 Resp: 1314014

Ion Ratio Lower Upper

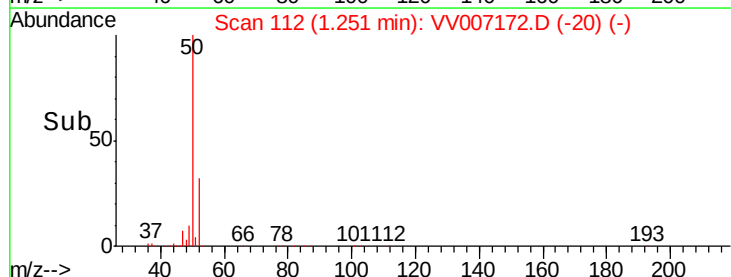
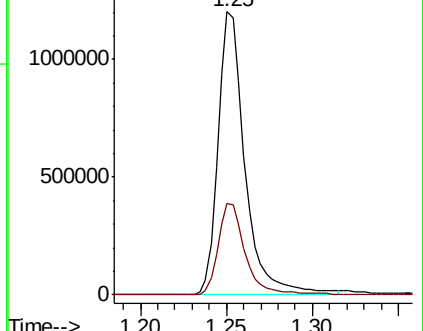
50 100

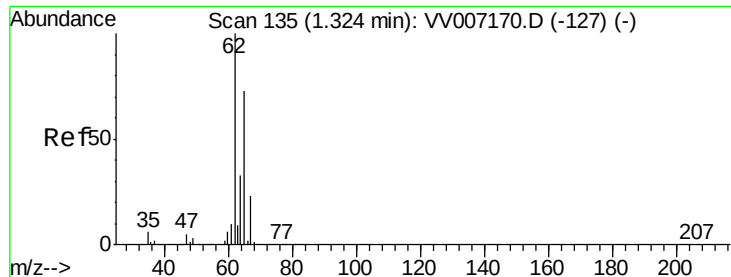
52 32.3 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VV007172.D (-103) (-)

Ion 52.00 (51.70 to 52.70): VV007172.D (-103) (-)





#5

Vinyl chloride

Concen: 174.109 ug/L

RT: 1.32 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV007172.D

Acq: 24 Aug 2018 15:42

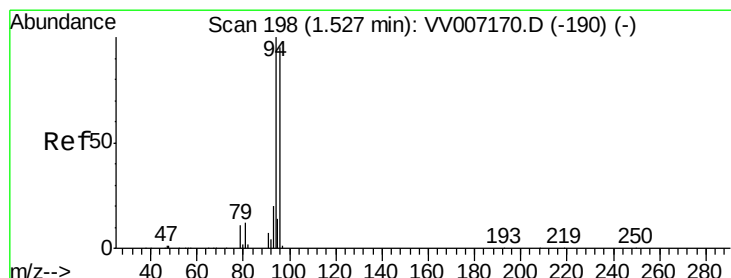
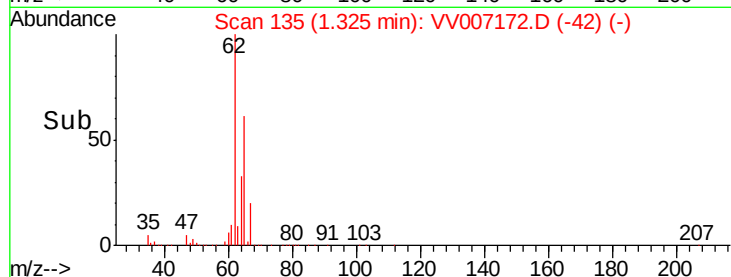
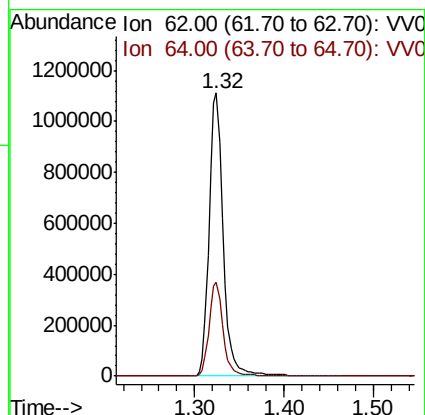
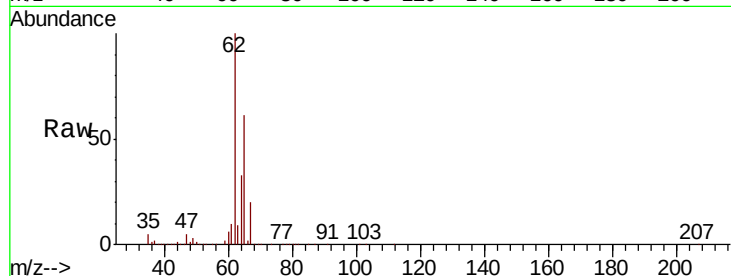
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 1225556

Ion Ratio Lower Upper

62 100

64 33.0 22.9 42.5



#6

Bromomethane

Concen: 200.365 ug/L

RT: 1.52 min Scan# 197

Delta R.T. -0.00 min

Lab File: VV007172.D

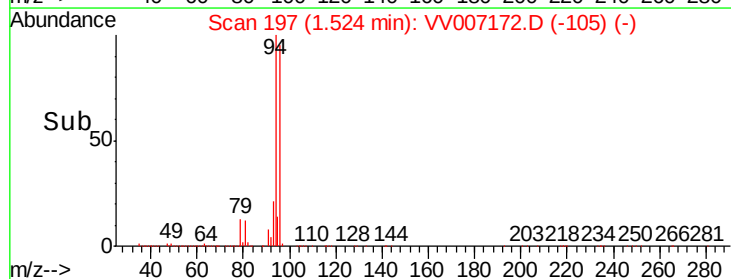
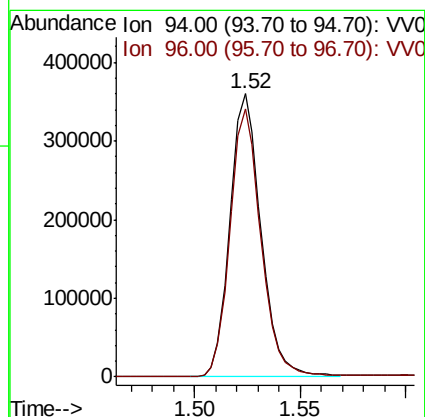
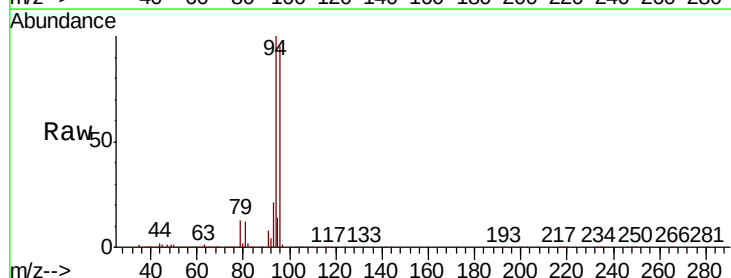
Acq: 24 Aug 2018 15:42

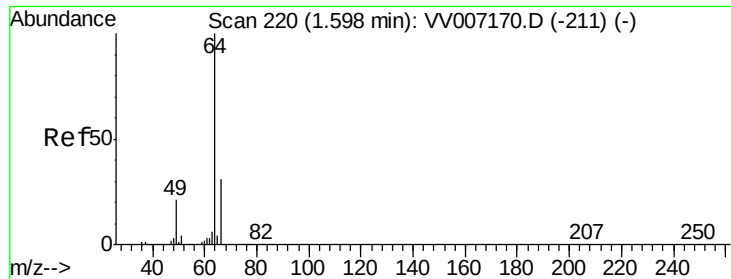
Tgt Ion: 94 Resp: 366668

Ion Ratio Lower Upper

94 100

96 94.8 66.7 123.9

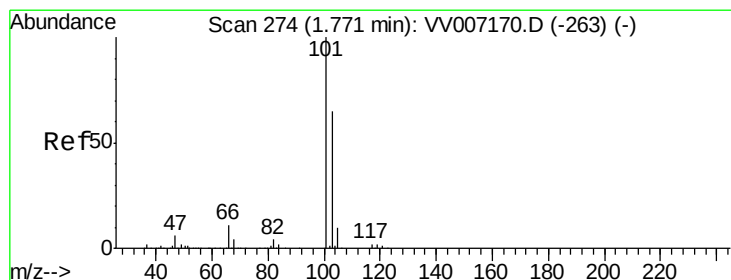
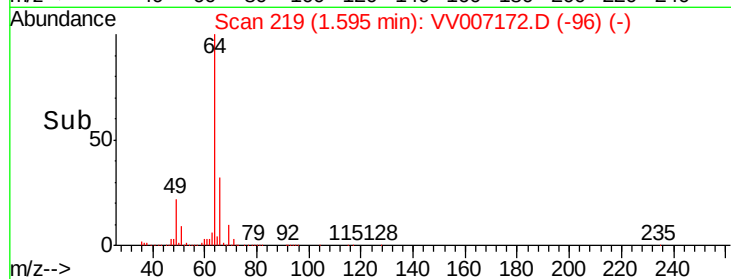
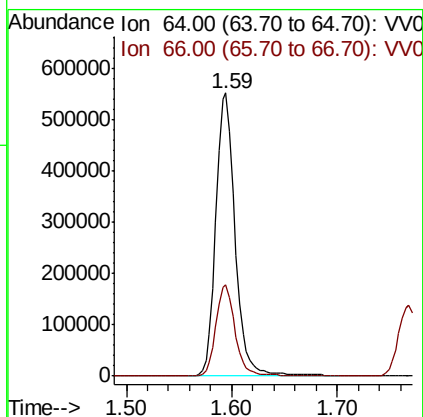
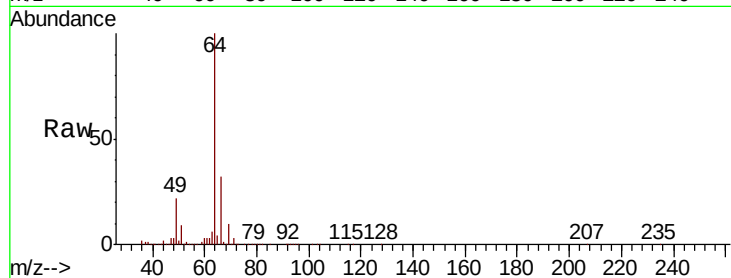




#8
Chloroethane
Concen: 180.325 ug/L
RT: 1.59 min Scan# 219
Delta R.T. -0.00 min
Lab File: VV007172.D
Acq: 24 Aug 2018 15:42

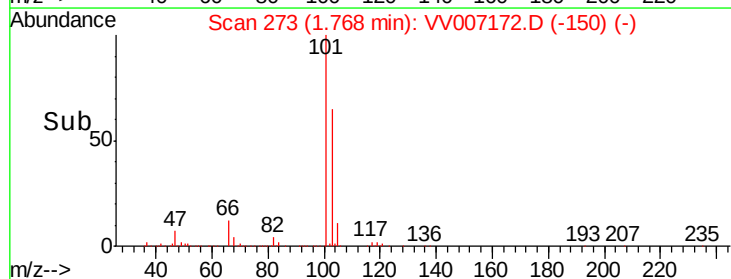
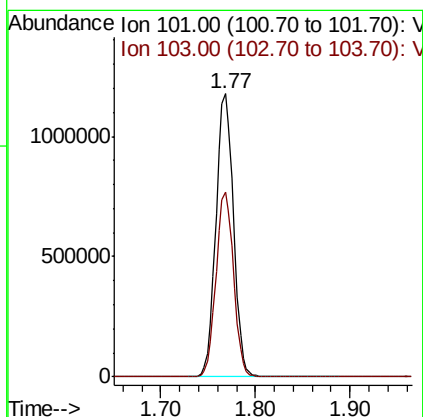
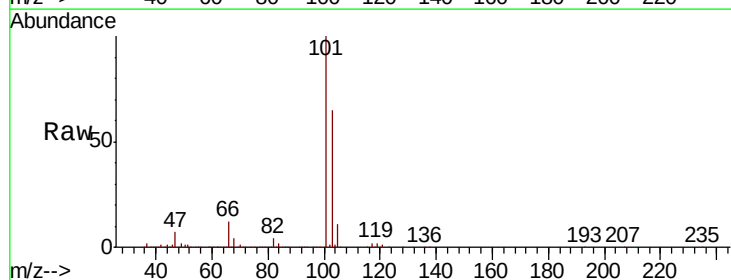
Instrument :
MSVOA_V
ClientSampled :

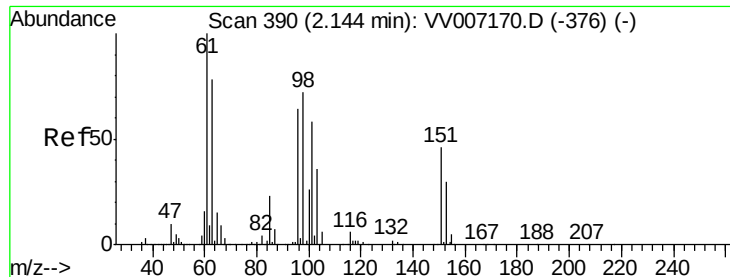
Tot Ion: 64 Resp: 700821
Ion Ratio Lower Upper
64 100
66 32.2 21.8 40.4



#9
Trichlorofluoromethane
Concen: 177.440 ug/L
RT: 1.77 min Scan# 273
Delta R.T. -0.00 min
Lab File: VV007172.D
Acq: 24 Aug 2018 15:42

Tgt Ion:101 Resp: 1516556
Ion Ratio Lower Upper
101 100
103 65.2 51.2 76.8





#10

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

Concen: 178.281 ug/L

RT: 2.14 min Scan# 389

Delta R.T. -0.00 min

Lab File: VV007172.D

Acq: 24 Aug 2018 15:42

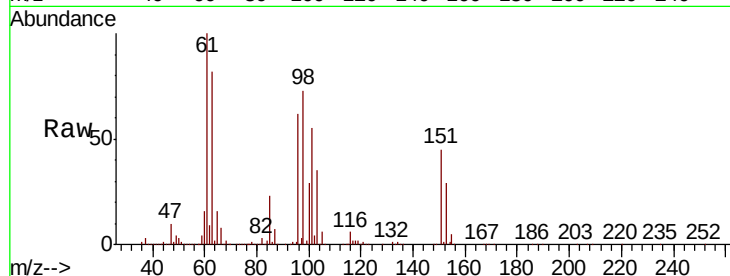
Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:101 Resp: 928823

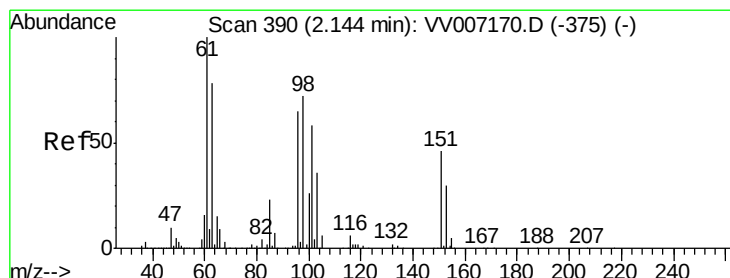
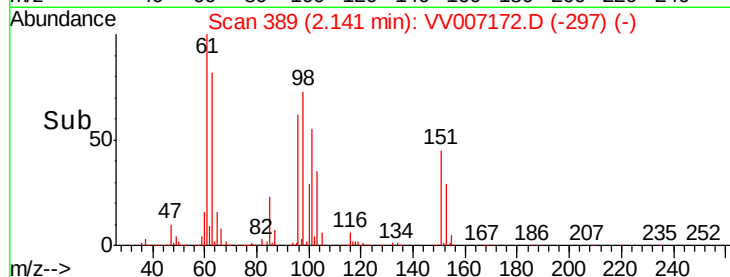
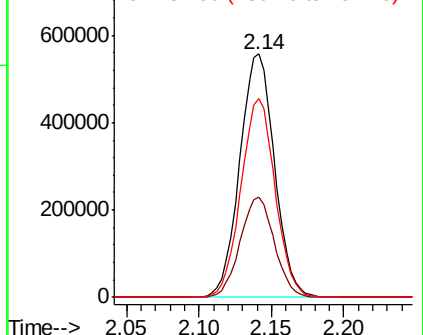
Ion	Ratio	Lower	Upper
101	100		
85	40.6	31.8	47.8
151	80.5	64.0	96.0



Abundance Ion 101.00 (100.70 to 101.70): VV007172.D (-297) (-)

Ion 85.00 (84.70 to 85.70): VV007172.D (-297) (-)

Ion 151.00 (150.70 to 151.70): VV007172.D (-297) (-)



#12

1,1-Dichloroethene

Concen: 178.132 ug/L

RT: 2.14 min Scan# 389

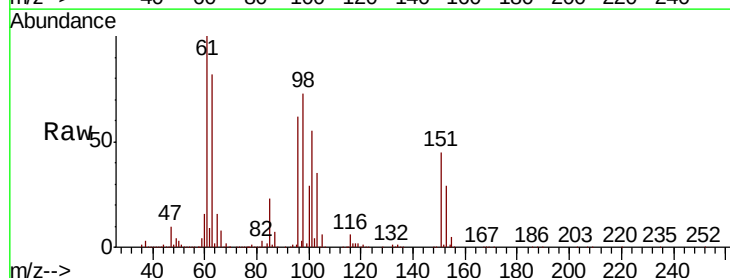
Delta R.T. -0.00 min

Lab File: VV007172.D

Acq: 24 Aug 2018 15:42

Tgt Ion: 96 Resp: 884529

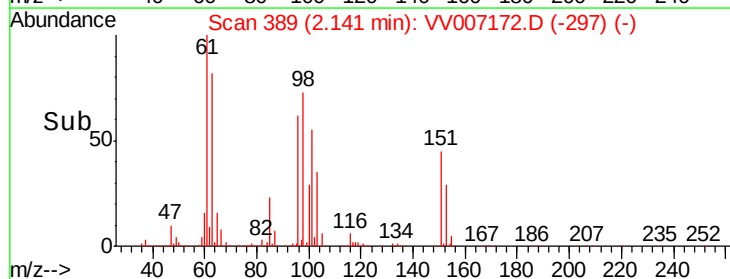
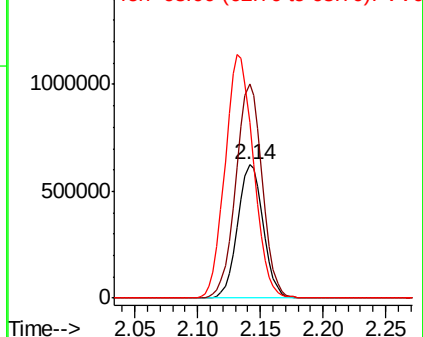
Ion	Ratio	Lower	Upper
96	100		
61	161.0	108.5	201.5
63	131.9	84.9	157.7

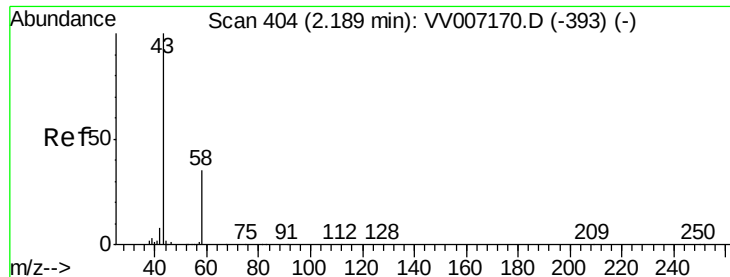


Abundance Ion 96.00 (95.70 to 96.70): VV007172.D (-297) (-)

Ion 61.00 (60.70 to 61.70): VV007172.D (-297) (-)

Ion 63.00 (62.70 to 63.70): VV007172.D (-297) (-)

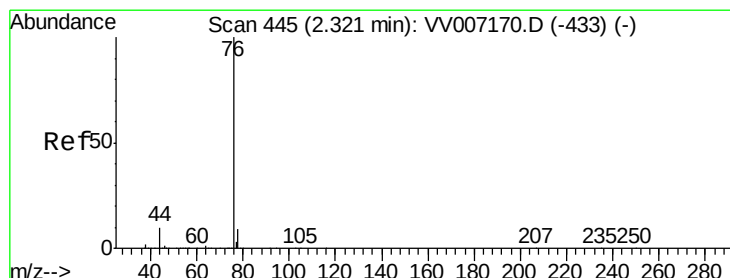
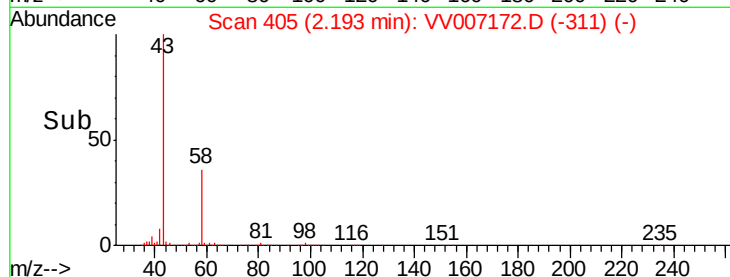
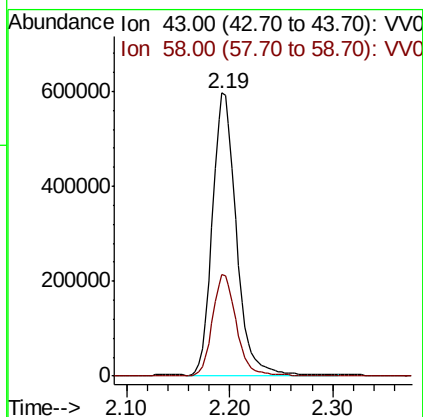
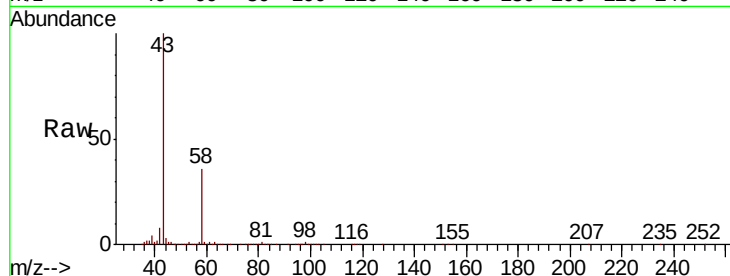




#13
Acetone
Concen: 310.790 ug/L
RT: 2.19 min Scan# 405
Delta R.T. 0.00 min
Lab File: VV007172.D
Acq: 24 Aug 2018 15:42

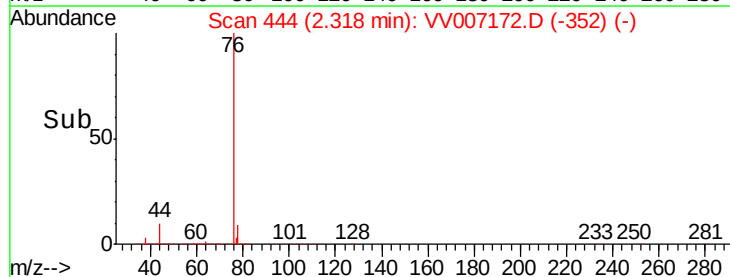
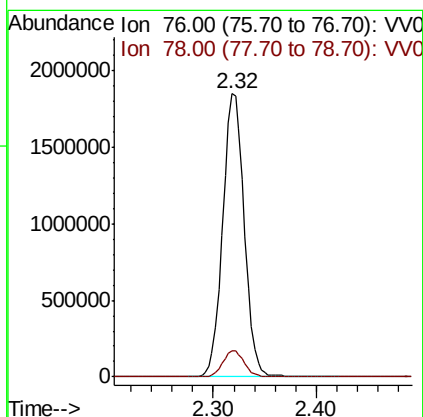
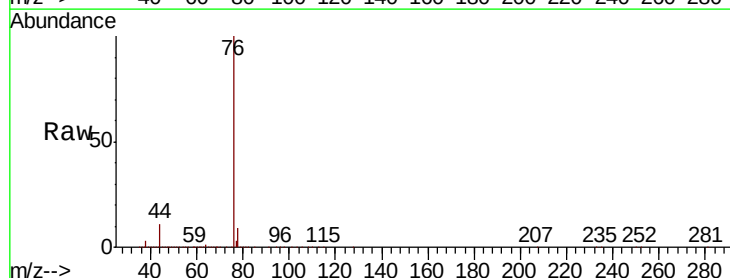
Instrument :
MSVOA_V
ClientSampleId :

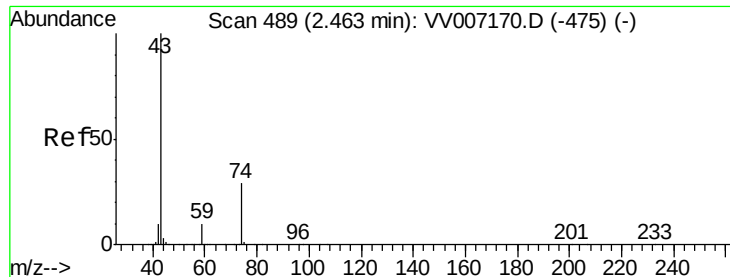
Tot Ion: 43 Resp: 956128
Ion Ratio Lower Upper
43 100
58 36.0 0.0 72.0



#14
Carbon disulfide
Concen: 177.566 ug/L
RT: 2.32 min Scan# 444
Delta R.T. -0.00 min
Lab File: VV007172.D
Acq: 24 Aug 2018 15:42

Tgt Ion: 76 Resp: 2689269
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.0

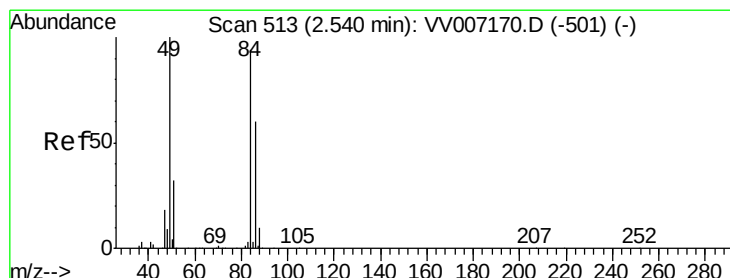
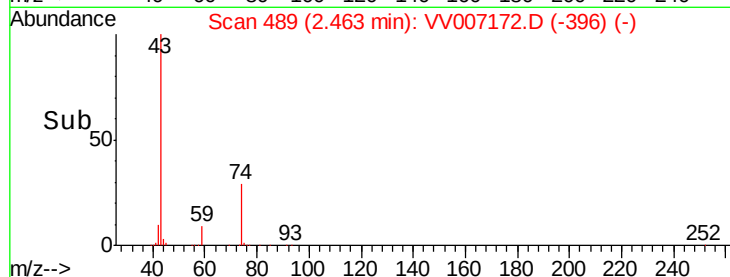
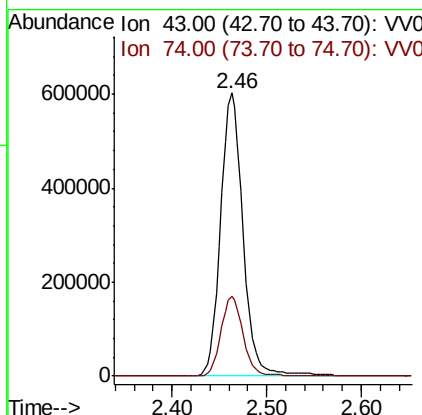
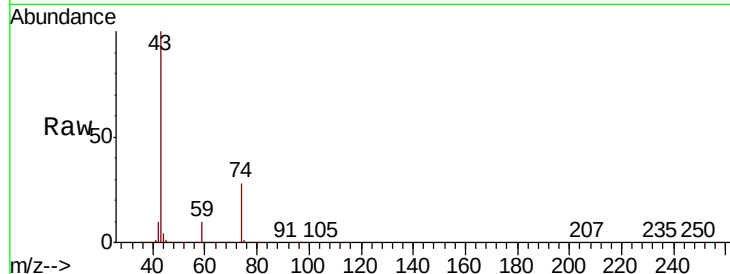




#15
Methvl Acetate
Concen: 174.908 ug/L
RT: 2.46 min Scan# 489
Delta R.T. 0.00 min
Lab File: VV007172.D
Acq: 24 Aug 2018 15:42

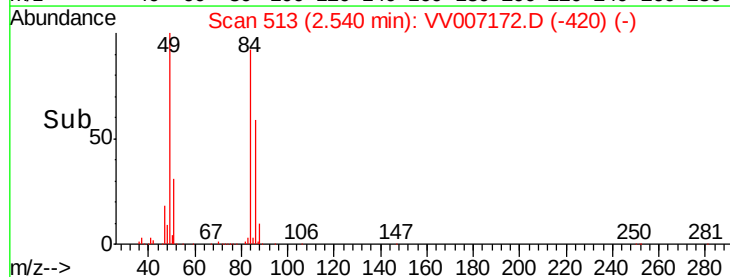
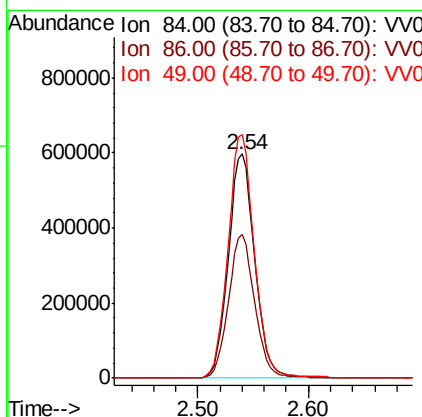
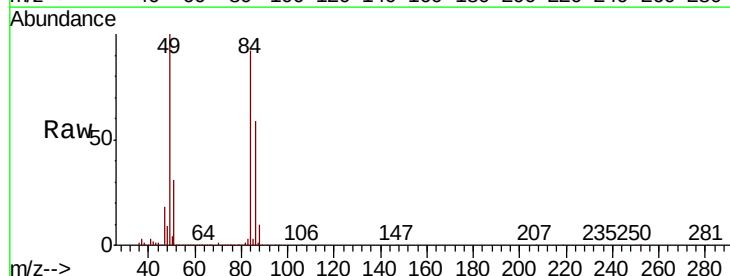
Instrument :
MSVOA_V
ClientSampleId :

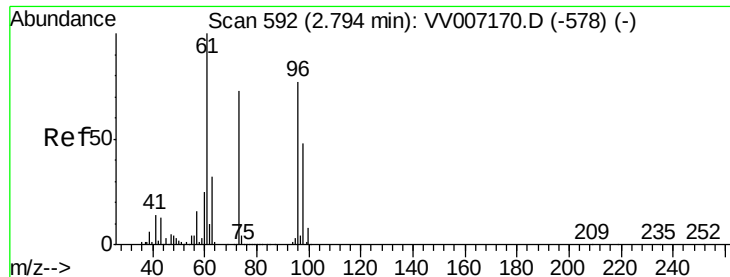
Tot Ion: 43 Resp: 987463
Ion Ratio Lower Upper
43 100
74 27.9 22.6 33.8



#16
Methylene chloride
Concen: 174.503 ug/L
RT: 2.54 min Scan# 513
Delta R.T. 0.00 min
Lab File: VV007172.D
Acq: 24 Aug 2018 15:42

Tgt Ion: 84 Resp: 995577
Ion Ratio Lower Upper
84 100
86 64.0 44.9 83.3
49 108.7 74.5 138.3





#17

trans-1,2-Dichloroethene

Concen: 178.431 ug/L

RT: 2.79 min Scan# 591

Delta R.T. -0.00 min

Lab File: VV007172.D

Acq: 24 Aug 2018 15:42

Instrument :
MSVOA_V
ClientSampled :

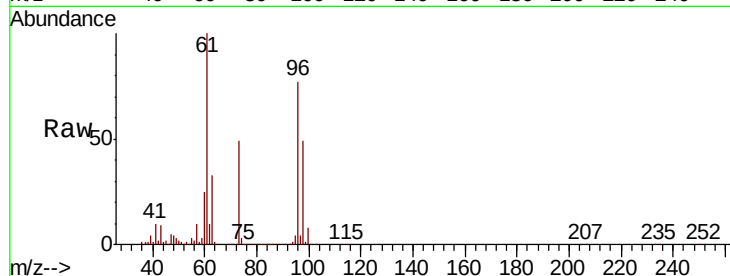
Tot Ion: 96 Resp: 958636

Ion Ratio Lower Upper

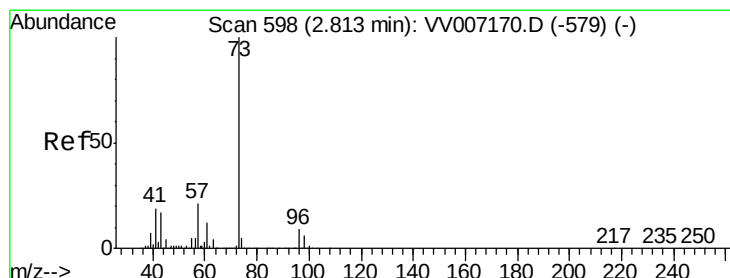
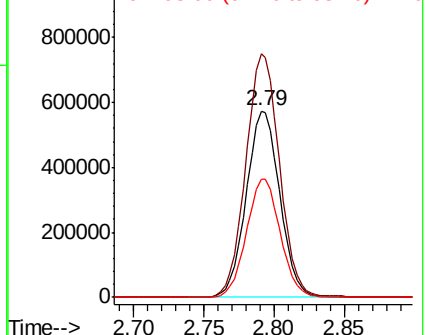
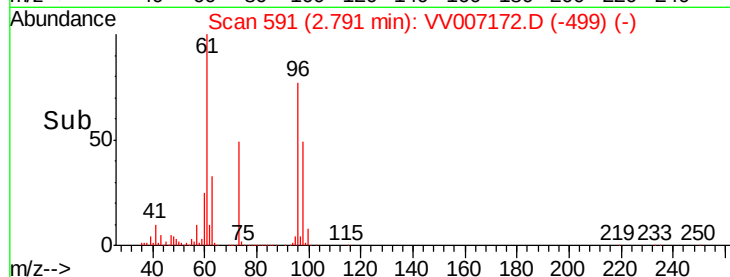
96 100

61 130.6 90.6 168.2

98 63.7 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: 182.042 ug/L

RT: 2.81 min Scan# 598

Delta R.T. 0.00 min

Lab File: VV007172.D

Acq: 24 Aug 2018 15:42

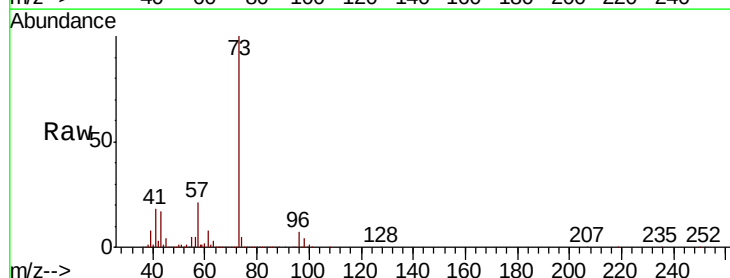
Tgt Ion: 73 Resp: 2989459

Ion Ratio Lower Upper

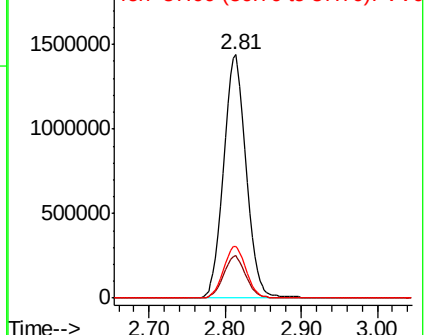
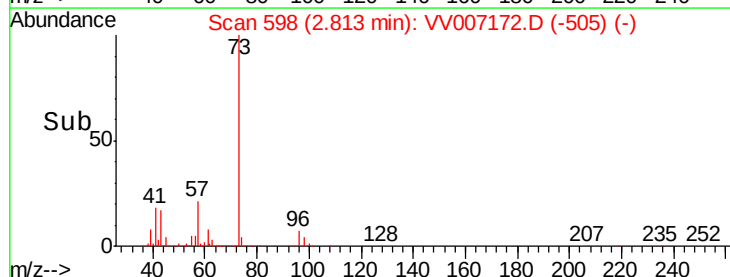
73 100

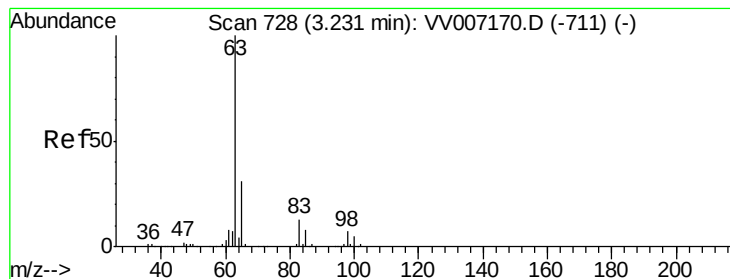
43 17.0 13.7 20.5

57 21.3 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: 177.731 ug/L

RT: 3.23 min Scan# 728

Delta R.T. 0.00 min

Lab File: VV007172.D

Acq: 24 Aug 2018 15:42

Instrument :

MSVOA_V

ClientSampleId :

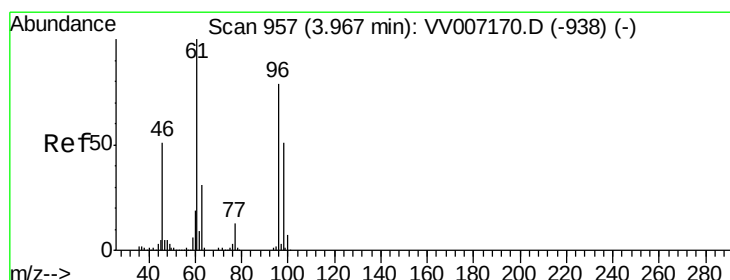
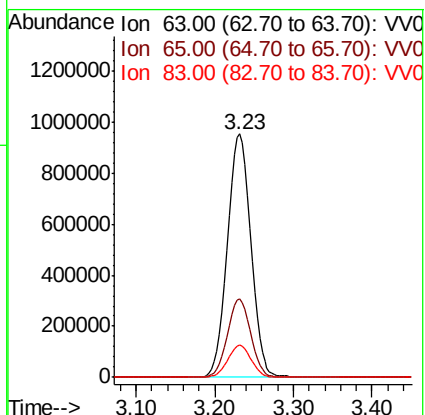
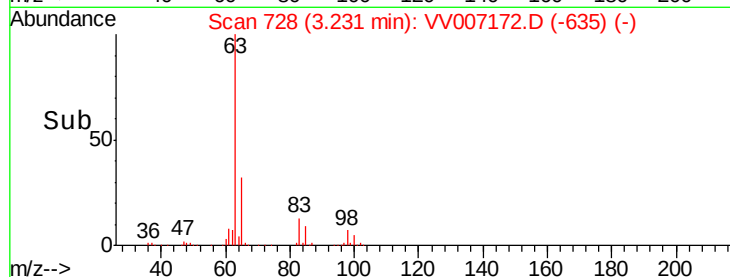
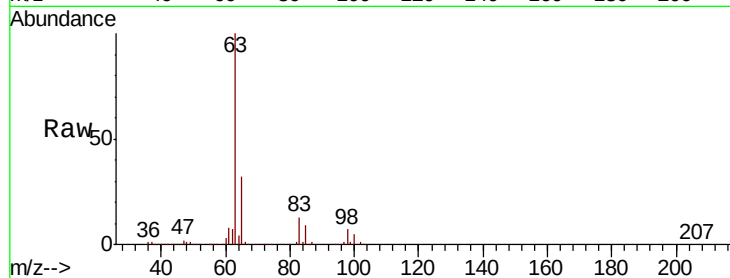
Tot Ion: 63 Resp: 1967863

Ion Ratio Lower Upper

63 100

65 32.2 21.8 40.4

83 13.2 9.1 16.9



#20

cis-1,2-Dichloroethene

Concen: 194.494 ug/L

RT: 3.97 min Scan# 957

Delta R.T. 0.00 min

Lab File: VV007172.D

Acq: 24 Aug 2018 15:42

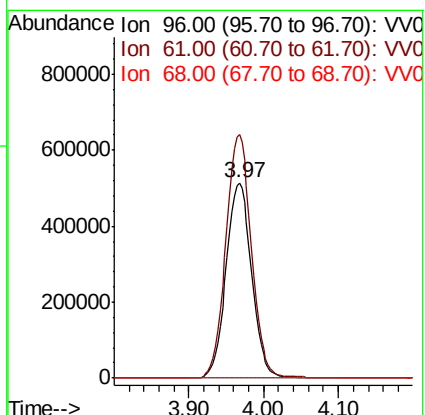
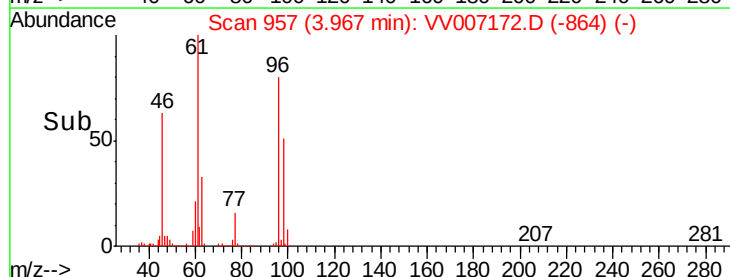
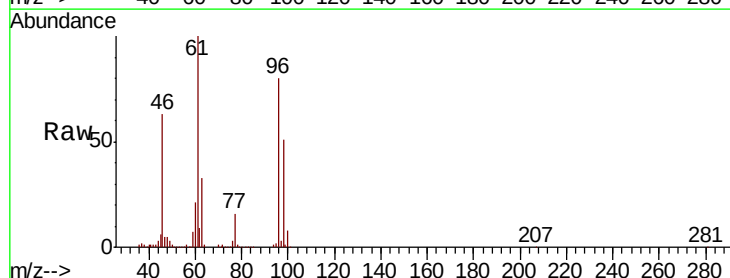
Tgt Ion: 96 Resp: 1218607

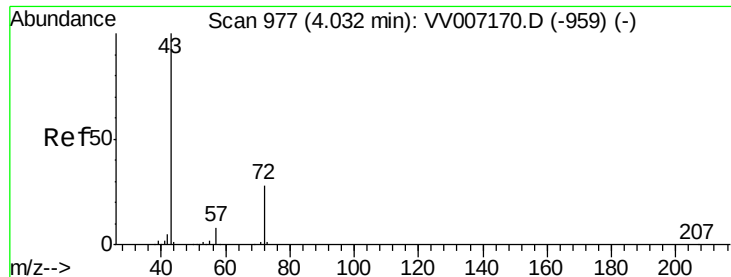
Ion Ratio Lower Upper

96 100

61 124.8 88.2 163.8

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 365.404 ug/L

RT: 4.04 min Scan# 978

Delta R.T. 0.00 min

Lab File: VV007172.D

Acq: 24 Aug 2018 15:42

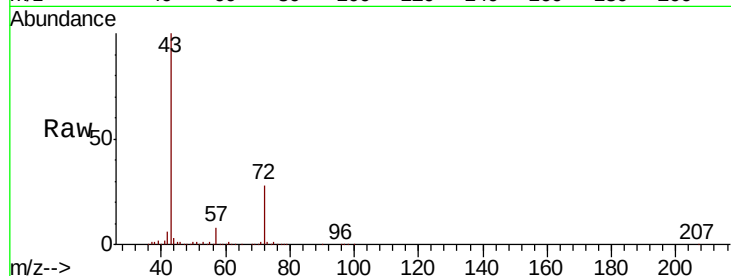
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 1776707

Ion Ratio Lower Upper

43 100

72 27.9 13.4 40.1



Abundance Ion 43.00 (42.70 to 43.70): VV007172.D (-959) (-)

Ion 72.00 (71.70 to 72.70): VV007172.D (-959) (-)

4.04

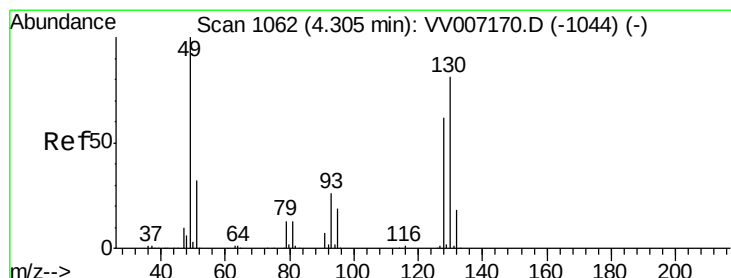
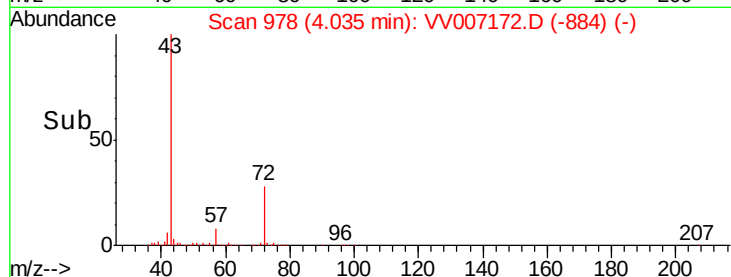
600000

400000

200000

0

Time-->



#23

Bromochloromethane

Concen: 182.005 ug/L

RT: 4.31 min Scan# 1062

Delta R.T. 0.00 min

Lab File: VV007172.D

Acq: 24 Aug 2018 15:42

Tgt Ion:128 Resp: 584321

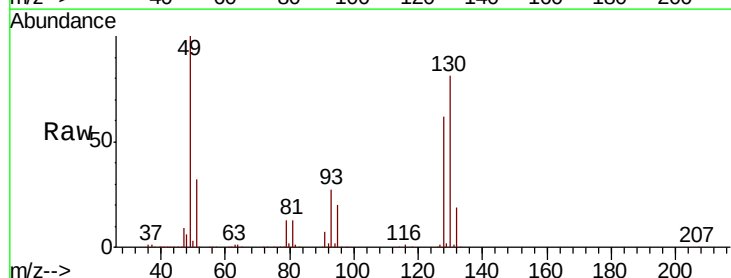
Ion Ratio Lower Upper

128 100

49 160.4 112.5 208.9

130 129.3 90.6 168.2

51 51.1 40.7 61.1



Abundance Ion 128.00 (127.70 to 128.70): VV007172.D (-969) (-)

Ion 49.00 (48.70 to 49.70): VV007172.D (-969) (-)

Ion 130.00 (129.70 to 130.70): VV007172.D (-969) (-)

Ion 51.00 (50.70 to 51.70): VV007172.D (-969) (-)

4.31

600000

500000

400000

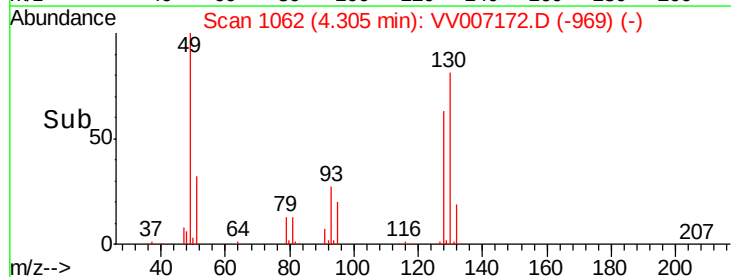
300000

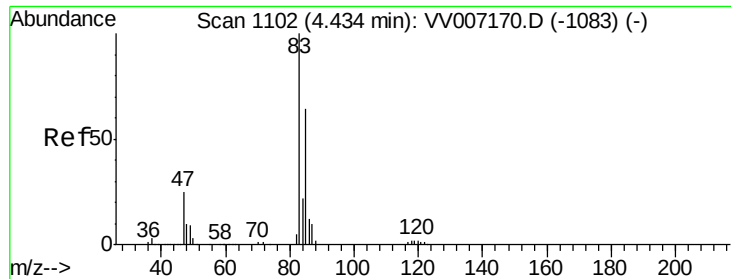
200000

100000

0

Time-->





#25

Chloroform

Concen: 180.479 ug/L

RT: 4.43 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV007172.D

Acq: 24 Aug 2018 15:42

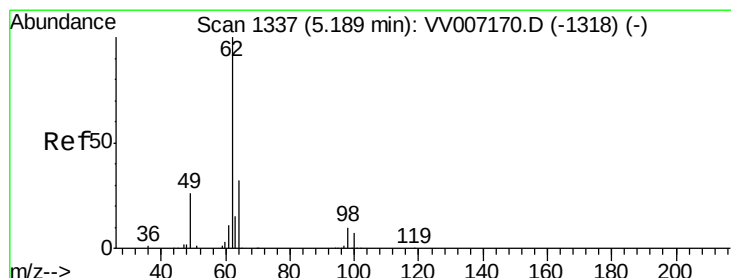
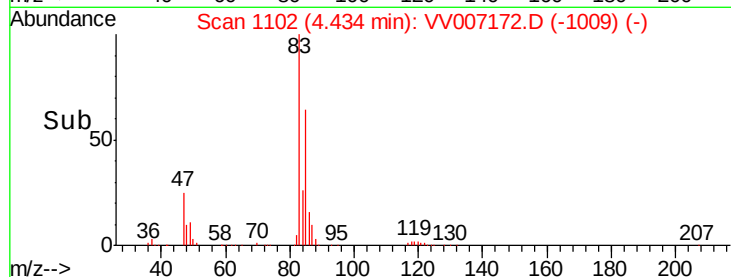
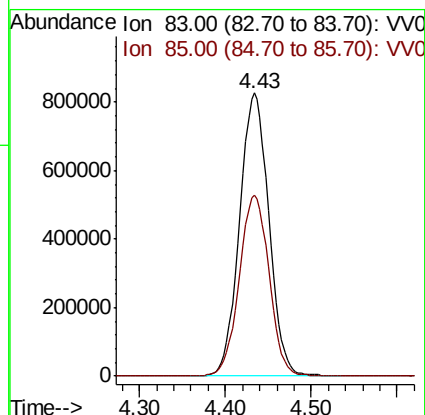
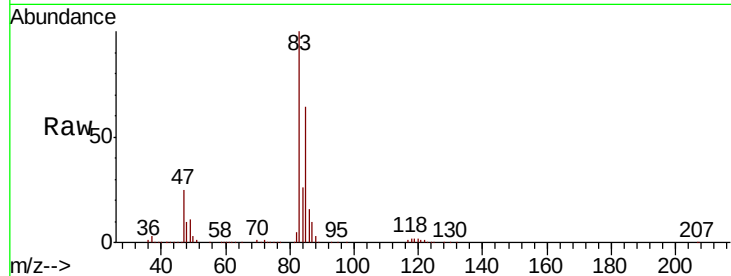
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 1958679

Ion Ratio Lower Upper

83 100

85 64.0 45.2 84.0



#27

1,2-Dichloroethane

Concen: 180.828 ug/L

RT: 5.19 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VV007172.D

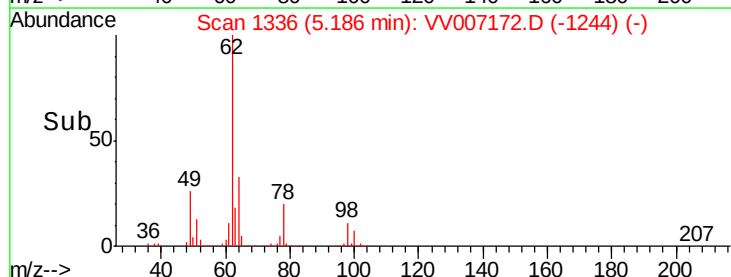
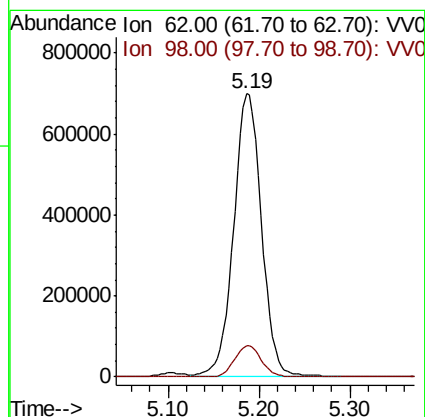
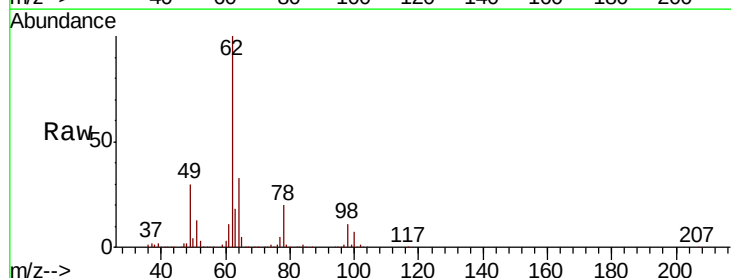
Acq: 24 Aug 2018 15:42

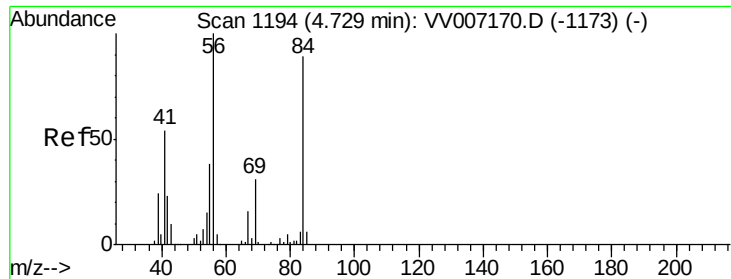
Tgt Ion: 62 Resp: 1482568

Ion Ratio Lower Upper

62 100

98 10.8 8.3 12.5

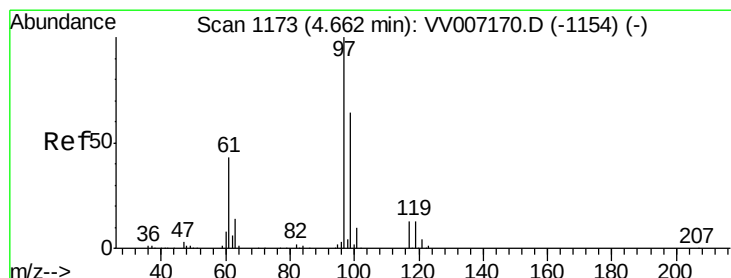
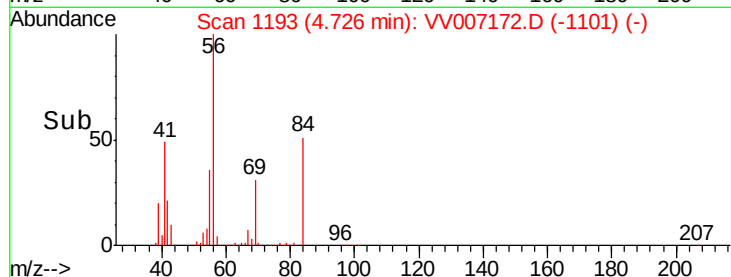
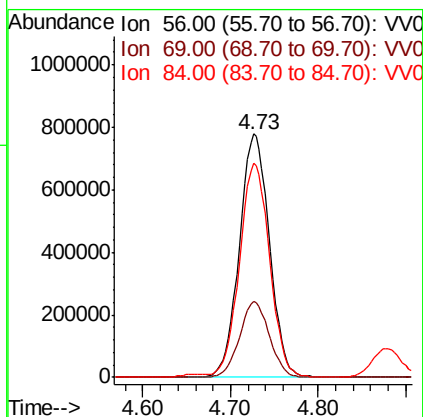
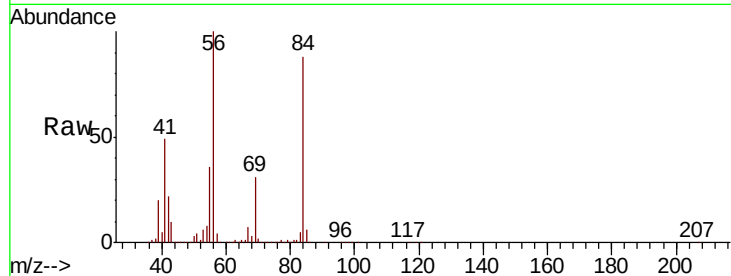




#29
Cyclohexane
Concen: 207.194 ug/L
RT: 4.73 min Scan# 1193
Delta R.T. -0.00 min
Lab File: VV007172.D
Acq: 24 Aug 2018 15:42

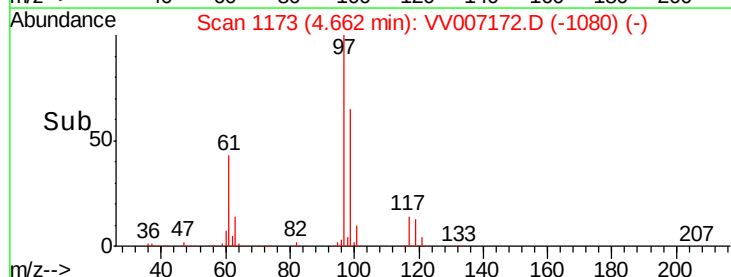
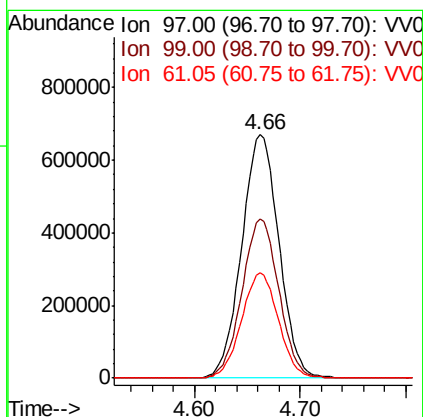
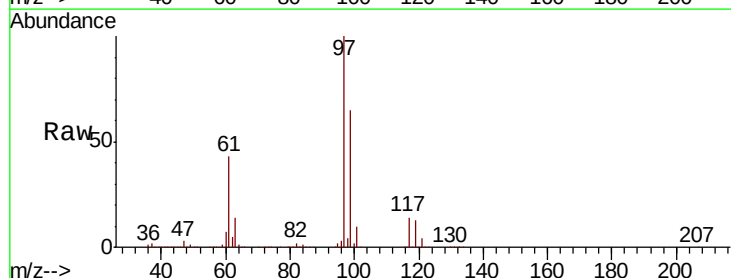
Instrument :
MSVOA_V
ClientSampled :

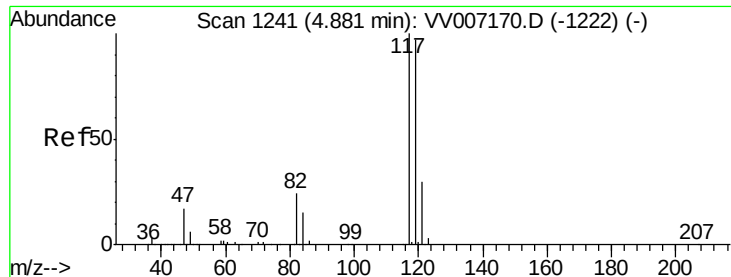
Tot Ion: 56 Resp: 1856768
Ion Ratio Lower Upper
56 100
69 30.8 24.6 36.8
84 88.0 70.8 106.2



#30
1,1,1-Trichloroethane
Concen: 182.320 ug/L
RT: 4.66 min Scan# 1173
Delta R.T. 0.00 min
Lab File: VV007172.D
Acq: 24 Aug 2018 15:42

Tgt Ion: 97 Resp: 1651382
Ion Ratio Lower Upper
97 100
99 64.8 51.6 77.4
61 43.1 34.3 51.5





#31

Carbon tetrachloride

Concen: 187.974 ug/L

RT: 4.88 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VV007172.D

Acq: 24 Aug 2018 15:42

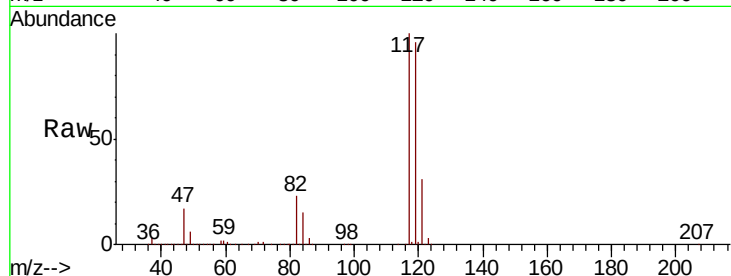
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 1435399

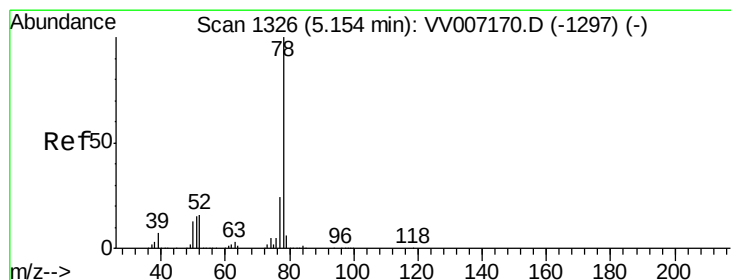
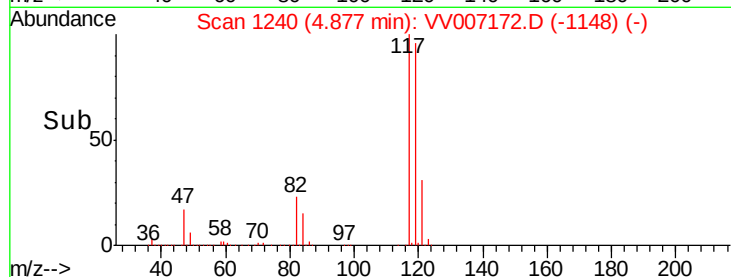
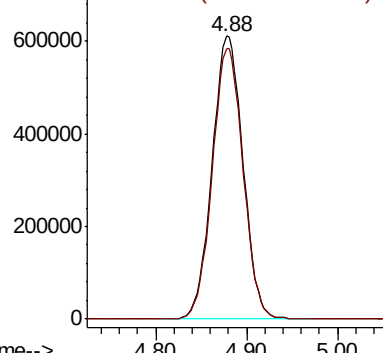
Ion Ratio Lower Upper

117 100

119 95.8 76.9 115.3



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 188.397 ug/L

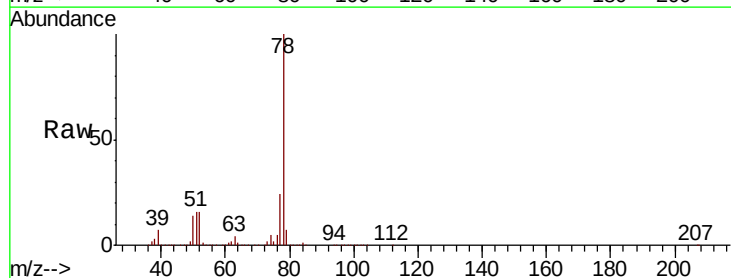
RT: 5.15 min Scan# 1326

Delta R.T. 0.00 min

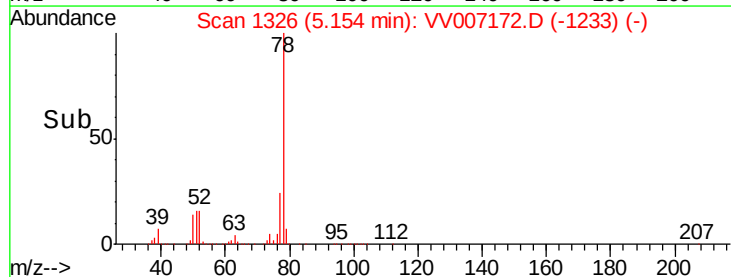
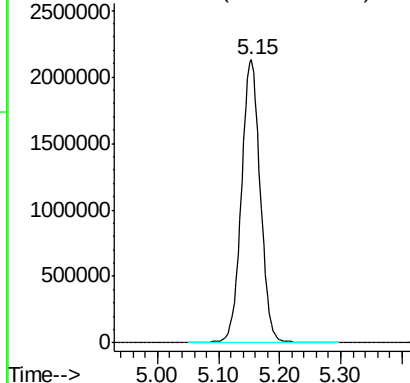
Lab File: VV007172.D

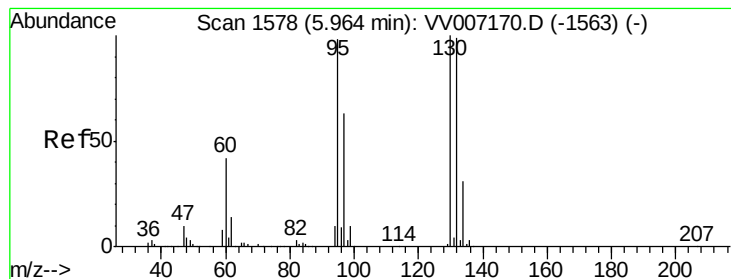
Acq: 24 Aug 2018 15:42

Tgt Ion: 78 Resp: 4591366



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 189.550 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VV007172.D

Acq: 24 Aug 2018 15:42

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 1103601

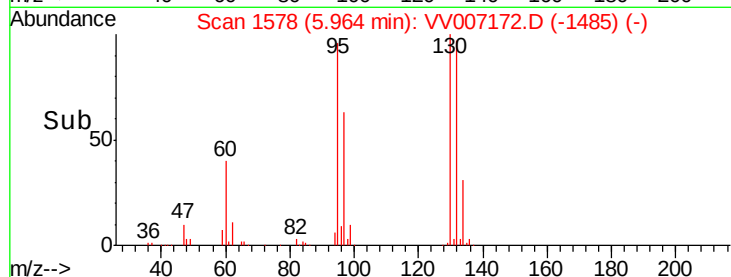
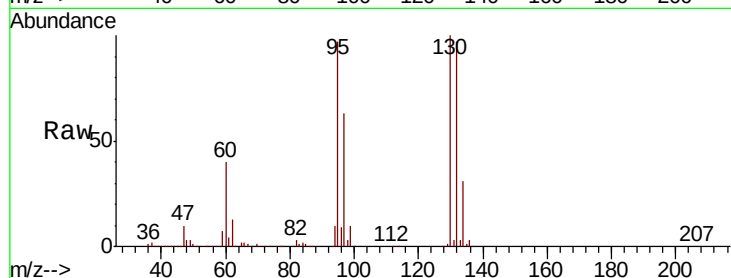
Ion Ratio Lower Upper

95 100

97 64.3 45.4 84.2

132 99.4 70.8 131.4

130 102.8 71.7 133.3

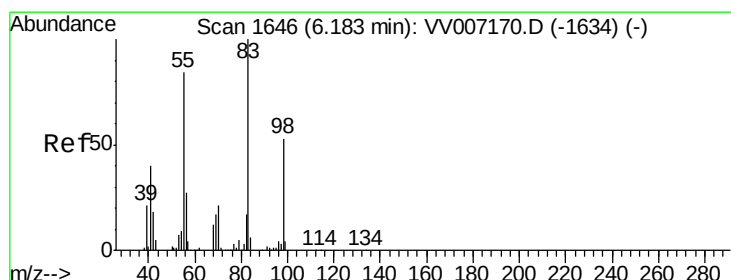
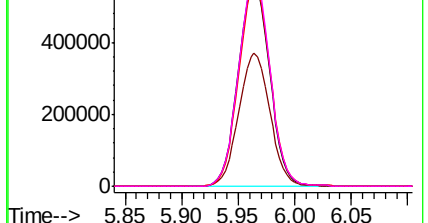


Abundance Ion 95.00 (94.70 to 95.70): VV007172.D (-1485) (-)

Ion 97.00 (96.70 to 97.70): VV007172.D (-1485) (-)

Ion 132.00 (131.70 to 132.70): VV007172.D (-1485) (-)

Ion 130.00 (129.70 to 130.70): VV007172.D (-1485) (-)



#35

Methylcyclohexane

Concen: 213.624 ug/L

RT: 6.18 min Scan# 1645

Delta R.T. -0.00 min

Lab File: VV007172.D

Acq: 24 Aug 2018 15:42

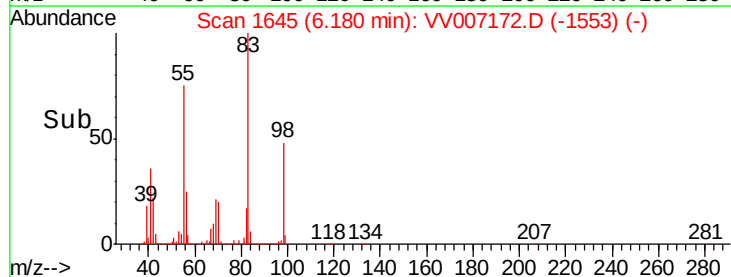
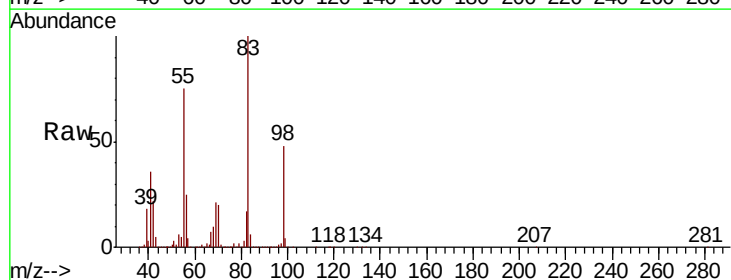
Tgt Ion: 83 Resp: 1986138

Ion Ratio Lower Upper

83 100

55 74.6 62.2 93.2

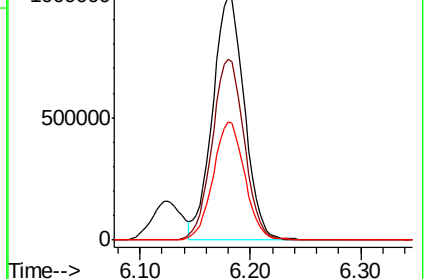
98 48.2 37.9 56.9

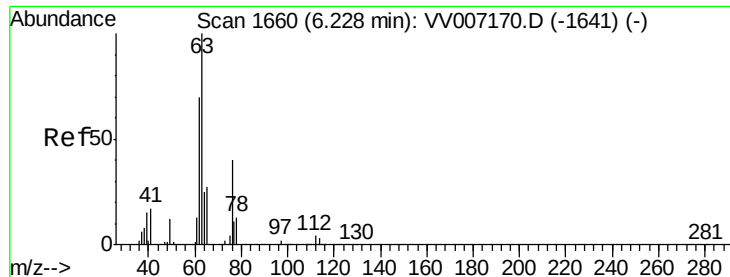


Abundance Ion 83.00 (82.70 to 83.70): VV007172.D (-1553) (-)

Ion 55.00 (54.70 to 55.70): VV007172.D (-1553) (-)

Ion 98.00 (97.70 to 98.70): VV007172.D (-1553) (-)

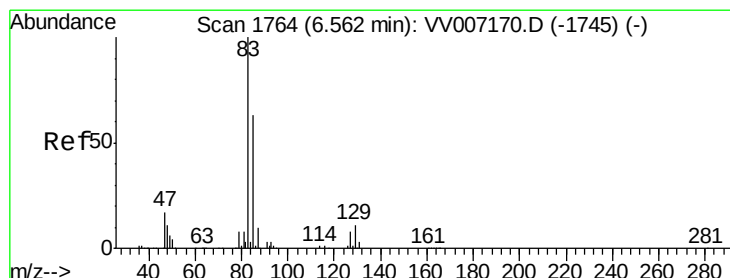
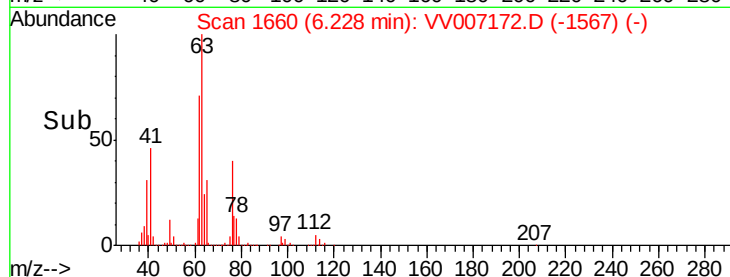
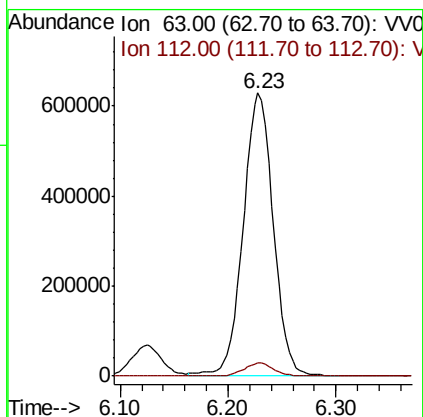
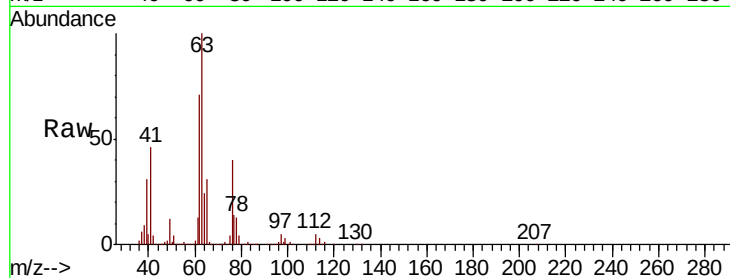




#37
 1,2-Dichloropropane
 Concen: 186.565 ug/L
 RT: 6.23 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VV007172.D
 Acq: 24 Aug 2018 15:42

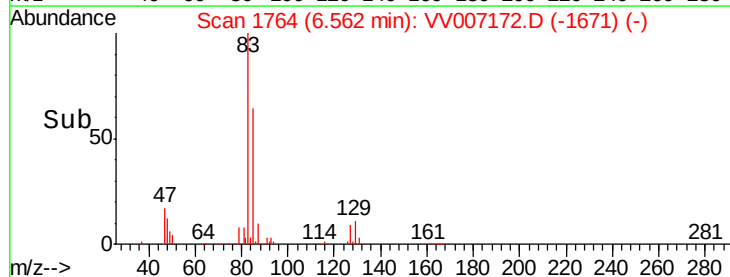
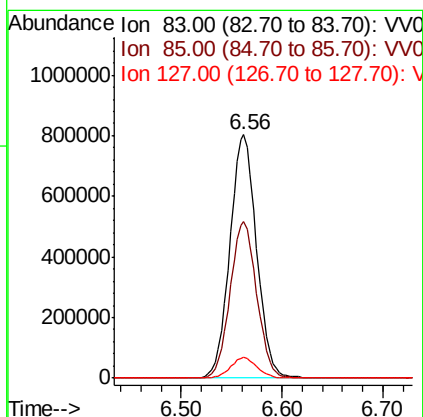
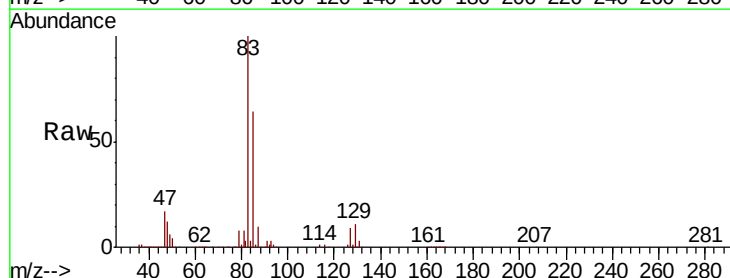
Instrument :
 MSVOA_V
 ClientSampleId :

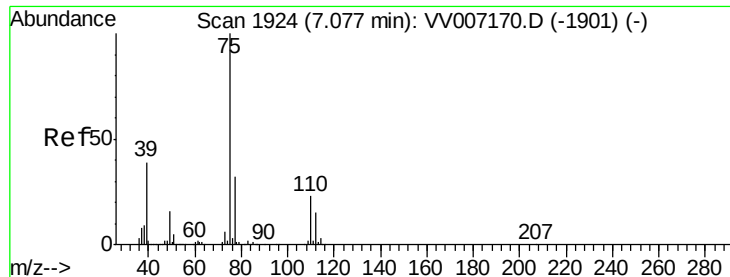
Tot Ion: 63 Resp: 1213419
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.6 5.4



#38
 Bromodichloromethane
 Concen: 189.746 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VV007172.D
 Acq: 24 Aug 2018 15:42

Tgt Ion: 83 Resp: 1477003
 Ion Ratio Lower Upper
 83 100
 85 64.1 44.1 81.9
 127 8.5 6.6 10.0



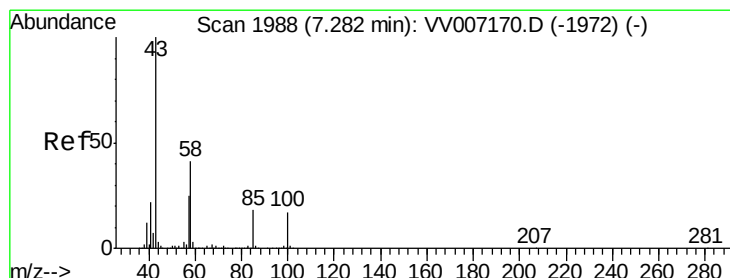
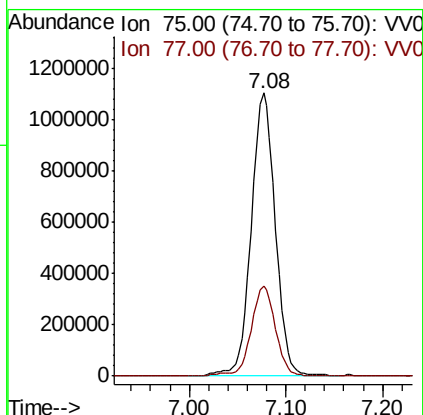
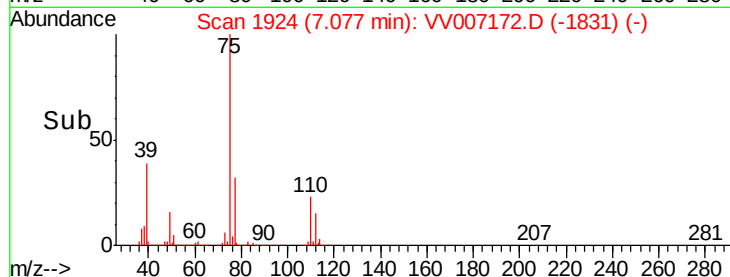
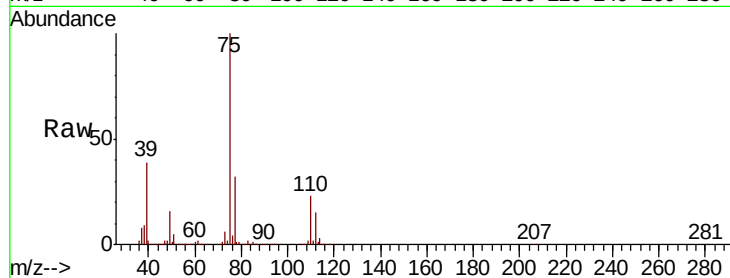


#39

cis-1,3-Dichloropropene
 Concen: 217.833 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV007172.D
 Acq: 24 Aug 2018 15:42

Instrument :
 MSVOA_V
 ClientSampleId :

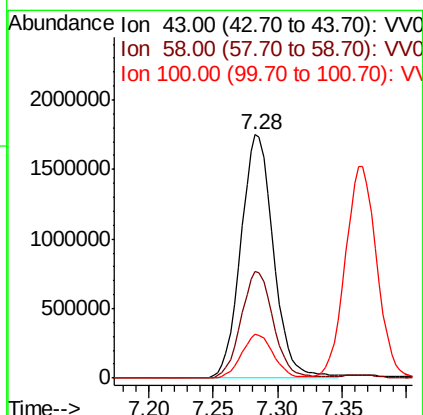
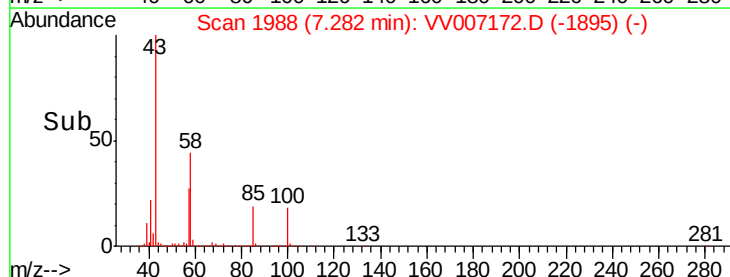
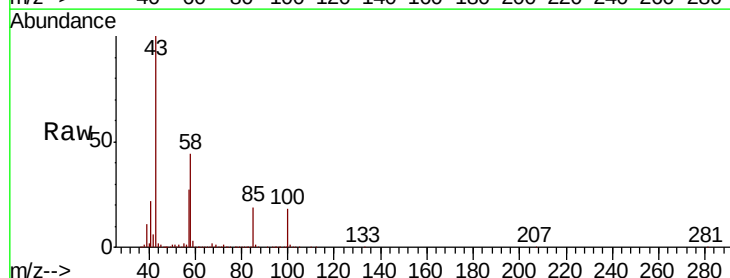
Tot Ion: 75 Resp: 1917618
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.2 41.2

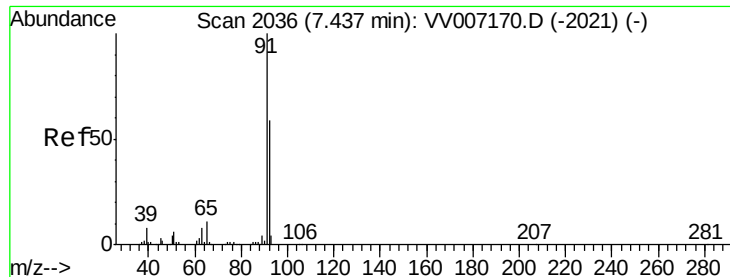


#40

4-Methyl-2-pentanone
 Concen: 391.387 ug/L
 RT: 7.28 min Scan# 1988
 Delta R.T. 0.00 min
 Lab File: VV007172.D
 Acq: 24 Aug 2018 15:42

Tgt Ion: 43 Resp: 3080965
 Ion Ratio Lower Upper
 43 100
 58 43.5 31.5 47.3
 100 17.5 12.6 18.8





#42

Toluene

Concen: 199.878 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV007172.D

Acq: 24 Aug 2018 15:42

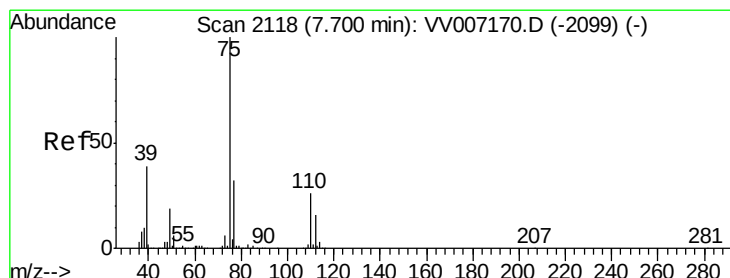
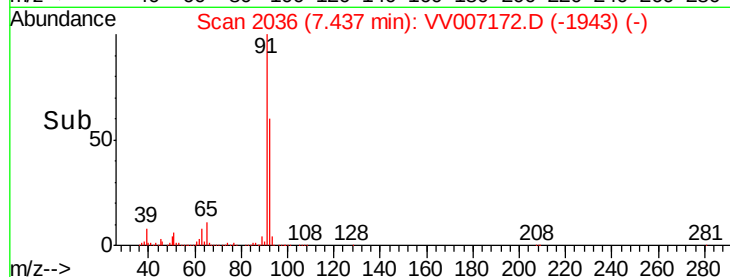
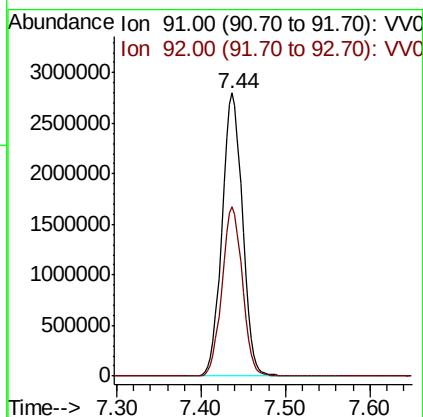
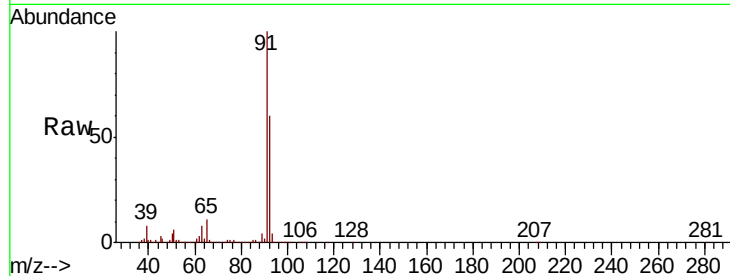
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 4709547

Ion Ratio Lower Upper

91 100

92 59.8 41.2 76.6



#44

trans-1,3-Dichloropropene

Concen: 215.658 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV007172.D

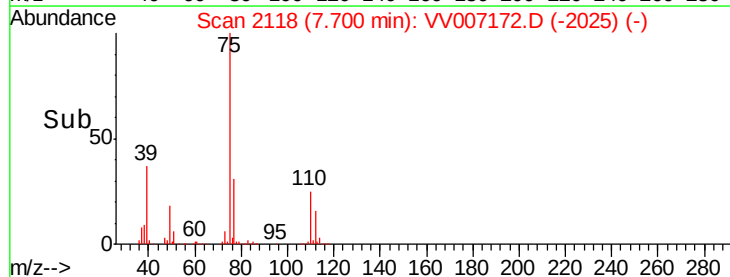
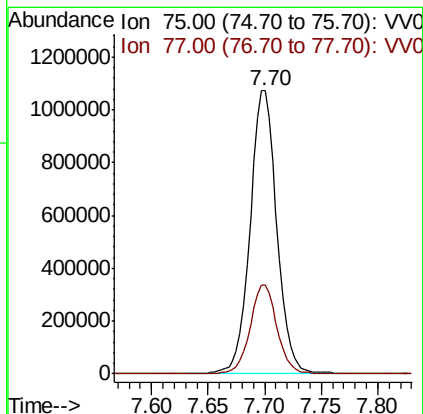
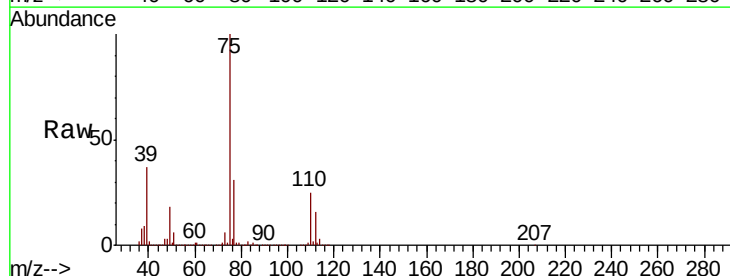
Acq: 24 Aug 2018 15:42

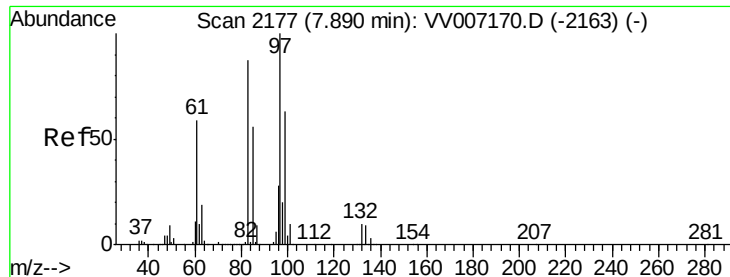
Tgt Ion: 75 Resp: 1763644

Ion Ratio Lower Upper

75 100

77 31.4 22.6 42.0

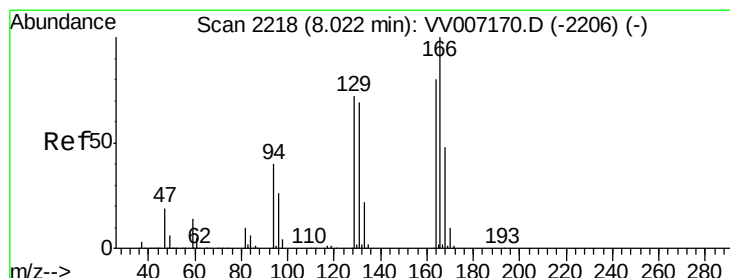
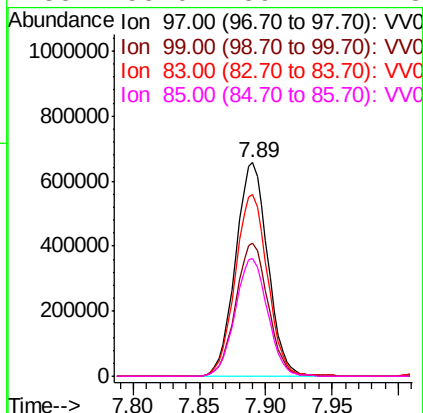
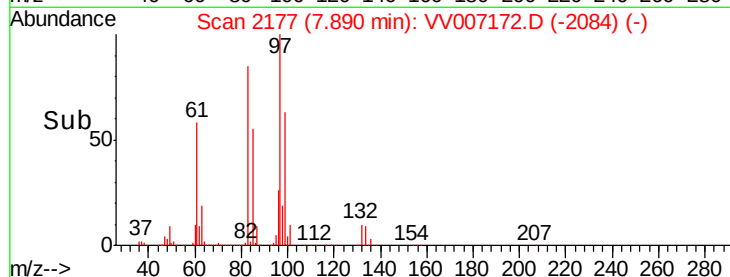
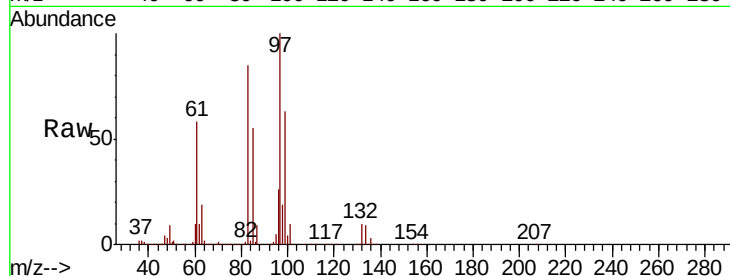




#45
 1,1,2-Trichloroethane
 Concen: 182.998 ug/L
 RT: 7.89 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VV007172.D
 Acq: 24 Aug 2018 15:42

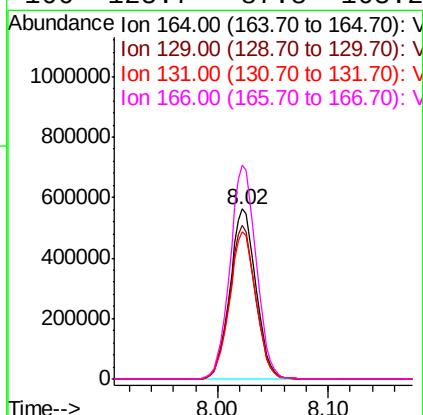
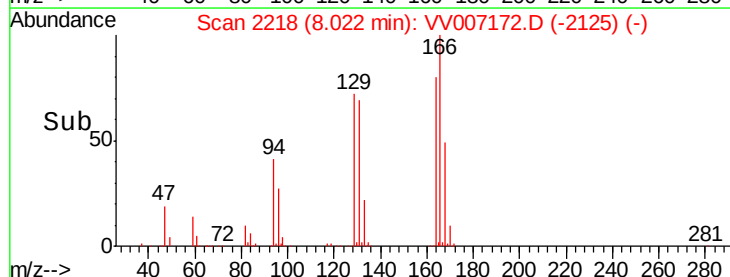
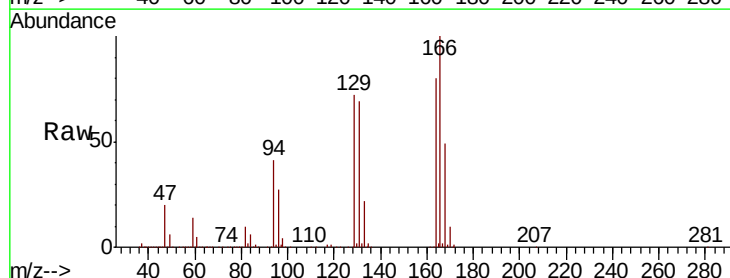
Instrument :
 MSVOA_V
 ClientSampled :

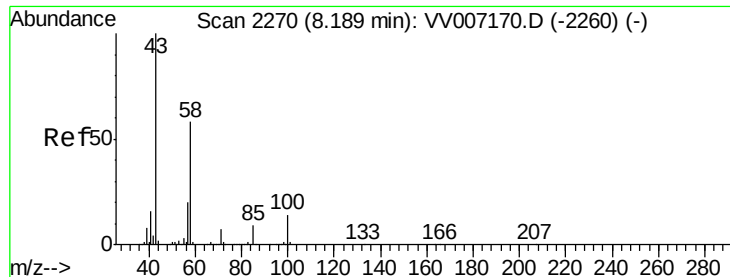
Tot Ion:	97	Resp:	1109960
Ion	Ratio	Lower	Upper
97	100		
99	62.6	43.8	81.4
83	85.2	61.0	113.4
85	55.0	39.2	72.8



#46
 Tetrachloroethene
 Concen: 194.000 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VV007172.D
 Acq: 24 Aug 2018 15:42

Tgt Ion:	164	Resp:	919367
Ion	Ratio	Lower	Upper
164	100		
129	90.2	63.3	117.7
131	86.6	60.6	112.6
166	125.7	87.8	163.2

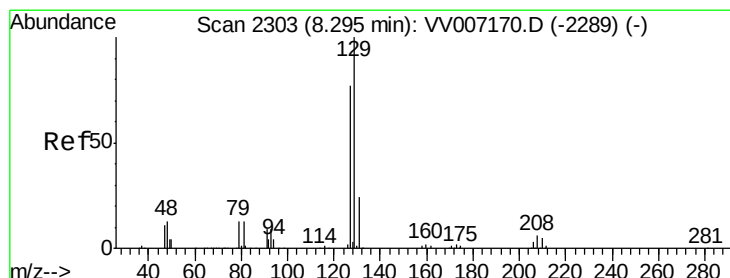
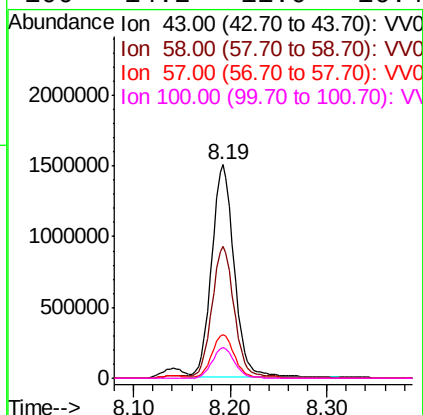
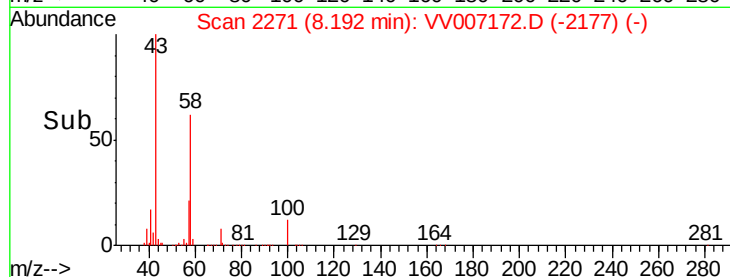
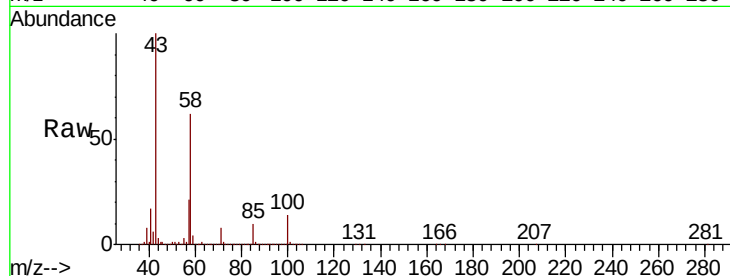




#48
2-Hexanone
Concen: 391.745 ug/L
RT: 8.19 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV007172.D
Acq: 24 Aug 2018 15:42

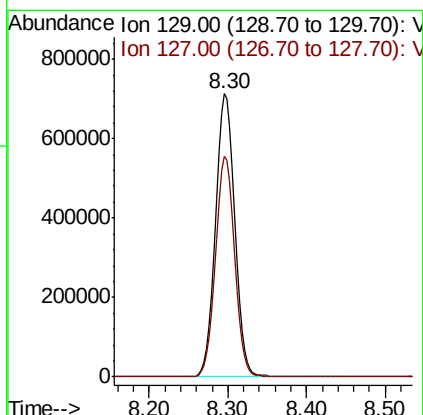
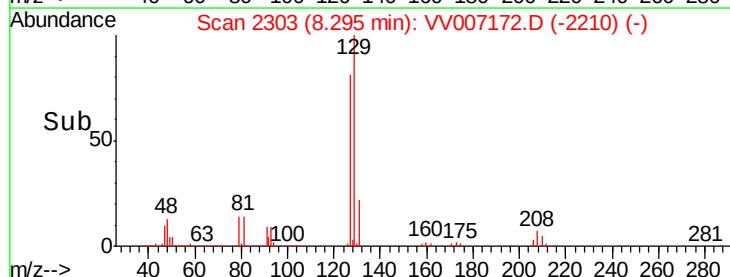
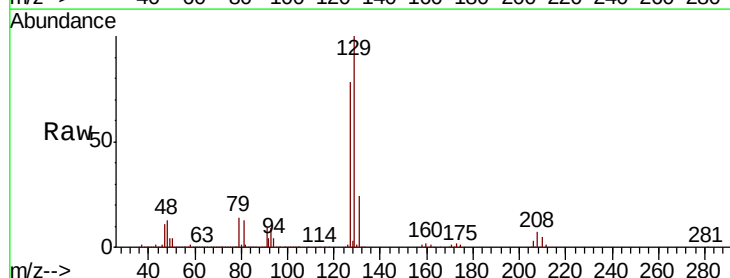
Instrument :
MSVOA_V
ClientSampleId :

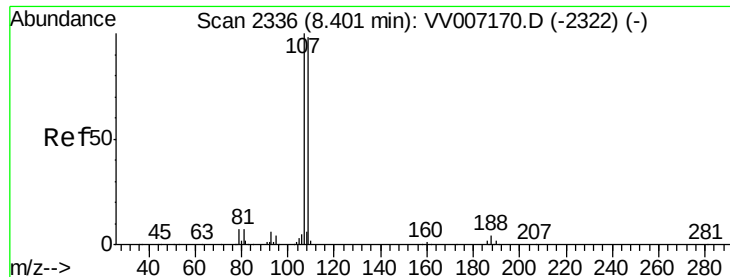
Tot Ion: 43 Resp: 2446013
Ion Ratio Lower Upper
43 100
58 61.4 47.3 70.9
57 20.3 16.5 24.7
100 14.2 11.0 16.4



#49
Dibromochloromethane
Concen: 196.915 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VV007172.D
Acq: 24 Aug 2018 15:42

Tgt Ion: 129 Resp: 1201454
Ion Ratio Lower Upper
129 100
127 78.0 54.0 100.2

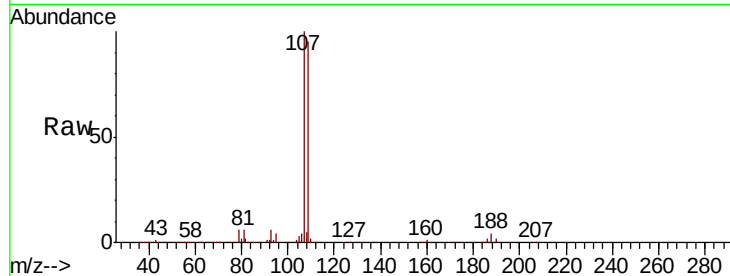




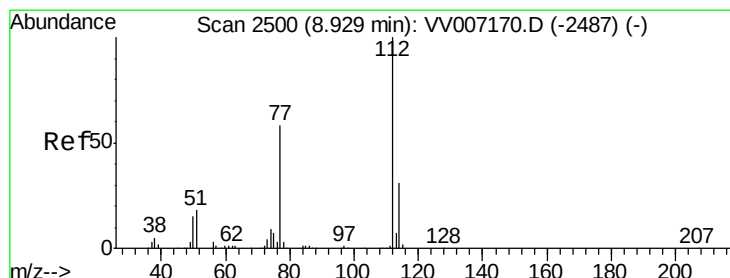
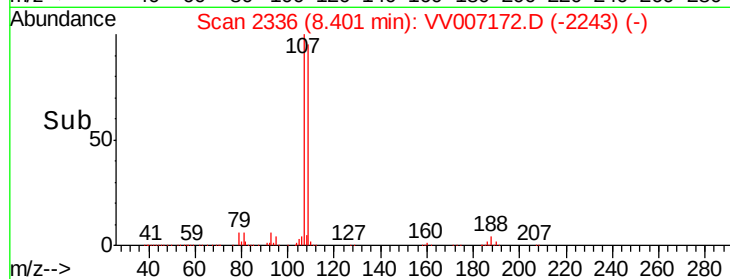
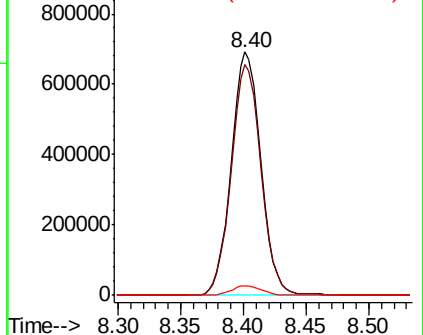
#50
1,2-Dibromoethane
Concen: 189.979 ug/L
RT: 8.40 min Scan# 2336
Delta R.T. 0.00 min
Lab File: VV007172.D
Acq: 24 Aug 2018 15:42

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:107 Resp: 1138303
Ion Ratio Lower Upper
107 100
109 94.9 68.3 126.8
188 4.1 3.3 4.9

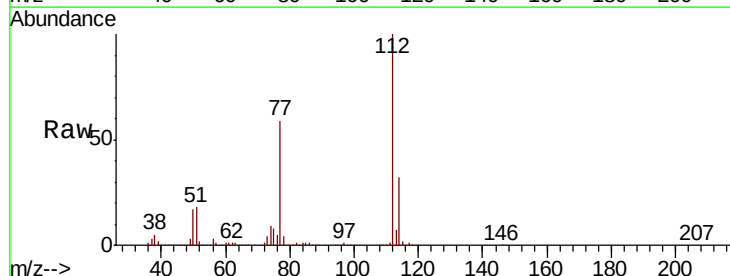


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

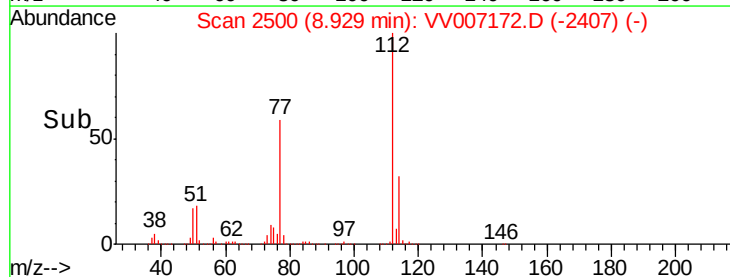
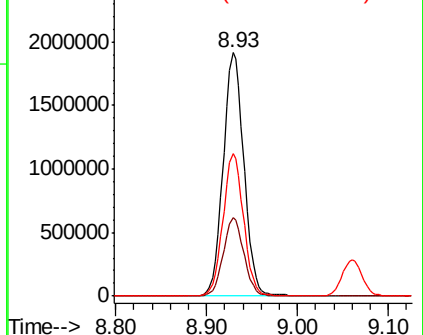


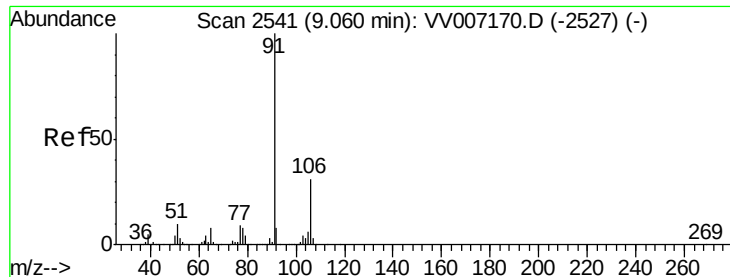
#51
Chlorobenzene
Concen: 194.574 ug/L
RT: 8.93 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VV007172.D
Acq: 24 Aug 2018 15:42

Tgt Ion:112 Resp: 3042043
Ion Ratio Lower Upper
112 100
114 32.1 22.0 40.8
77 58.6 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): V





#52

Ethylbenzene

Concen: 215.549 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV007172.D

Acq: 24 Aug 2018 15:42

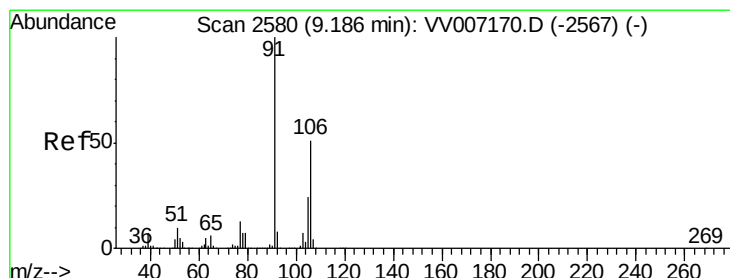
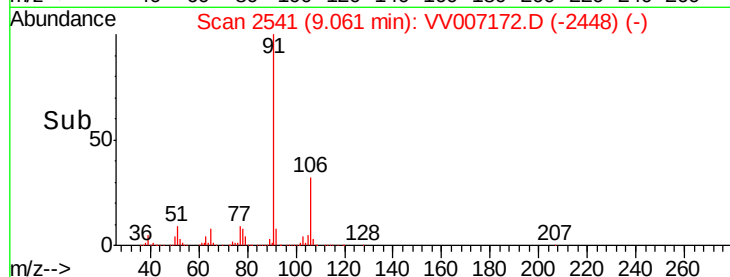
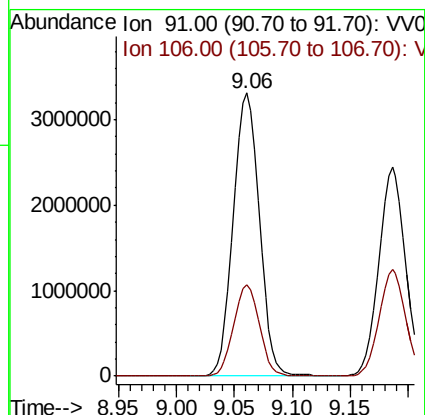
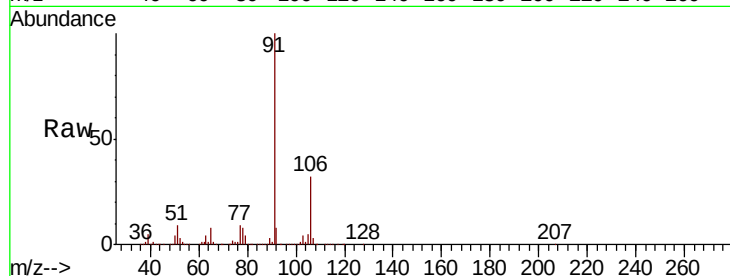
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 5163827

Ion Ratio Lower Upper

91 100

106 32.2 22.0 40.8



#53

m,p-Xylene

Concen: 218.356 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV007172.D

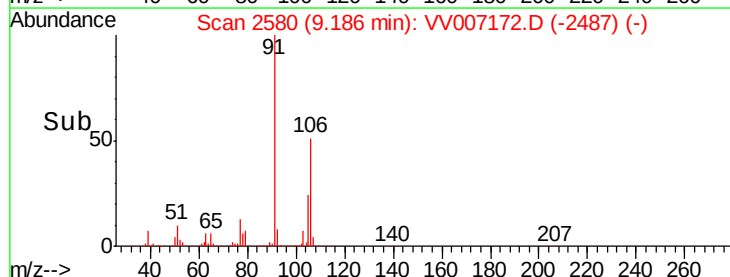
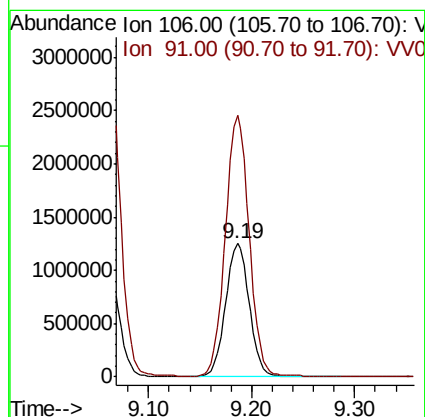
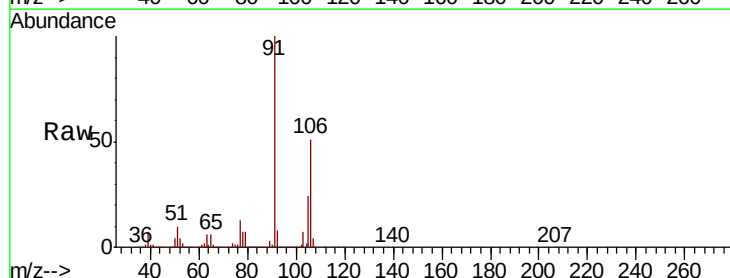
Acq: 24 Aug 2018 15:42

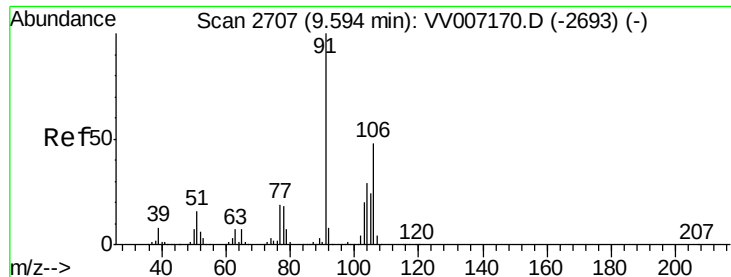
Tgt Ion:106 Resp: 2001312

Ion Ratio Lower Upper

106 100

91 196.2 138.9 258.1





#54

o-xylene

Concen: 221.473 ug/L

RT: 9.59 min Scan# 2706

Delta R.T. -0.00 min

Lab File: VV007172.D

Acq: 24 Aug 2018 15:42

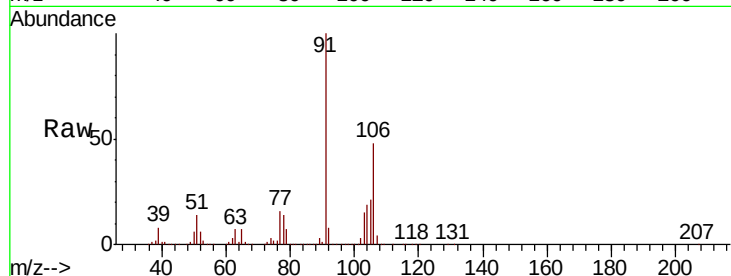
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 1963906

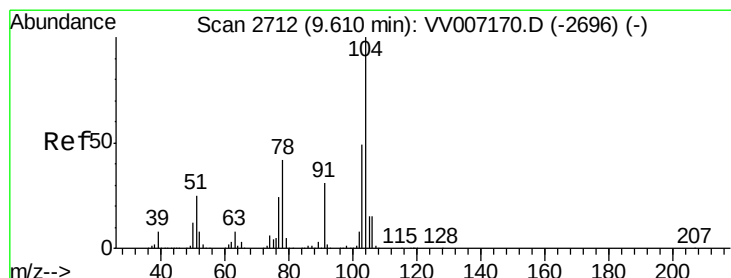
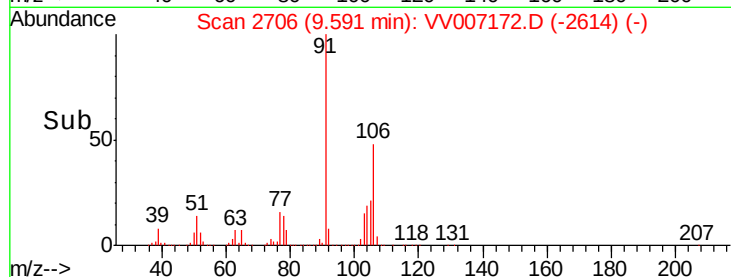
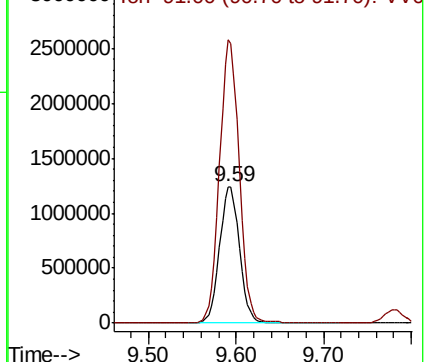
Ion Ratio Lower Upper

106 100

91 206.9 145.2 269.6



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



#55

Styrene

Concen: 222.239 ug/L

RT: 9.61 min Scan# 2712

Delta R.T. 0.00 min

Lab File: VV007172.D

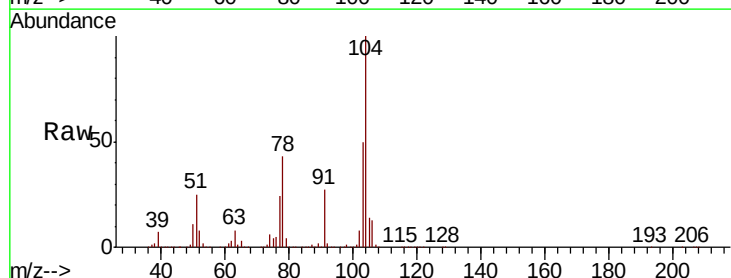
Acq: 24 Aug 2018 15:42

Tgt Ion:104 Resp: 3398095

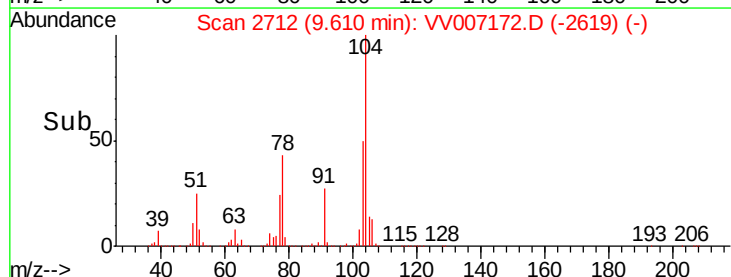
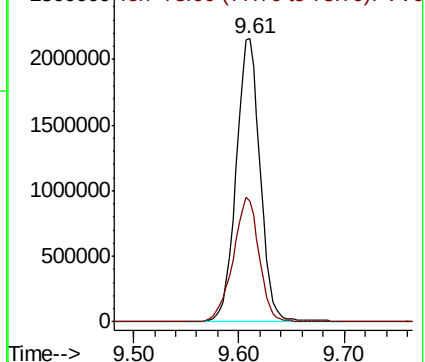
Ion Ratio Lower Upper

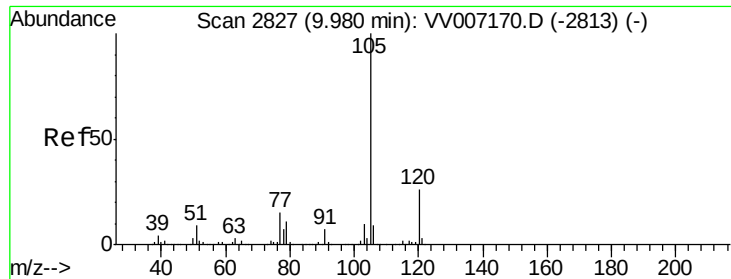
104 100

78 42.7 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: 224.512 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV007172.D

Acq: 24 Aug 2018 15:42

Instrument :

MSVOA_V

ClientSampleId :

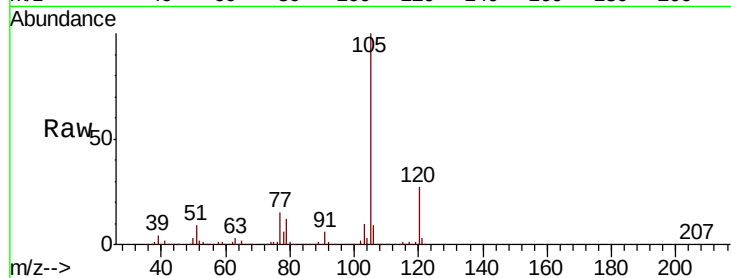
Tot Ion:105 Resp: 5033065

Ion Ratio Lower Upper

105 100

120 27.1 21.2 31.8

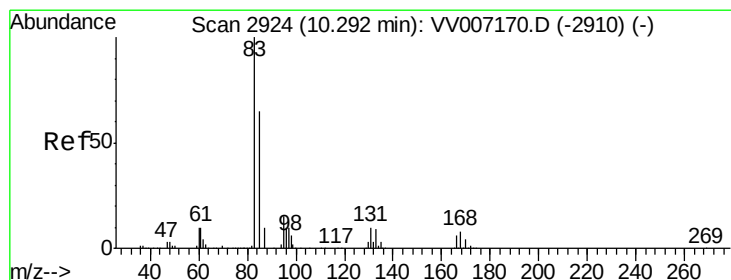
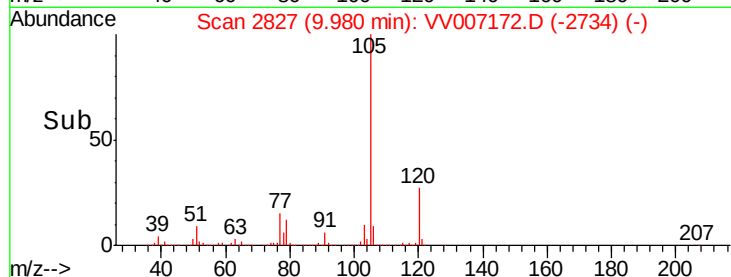
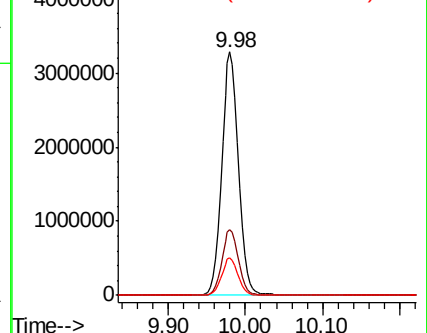
77 15.1 11.8 17.6



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: 176.699 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VV007172.D

Acq: 24 Aug 2018 15:42

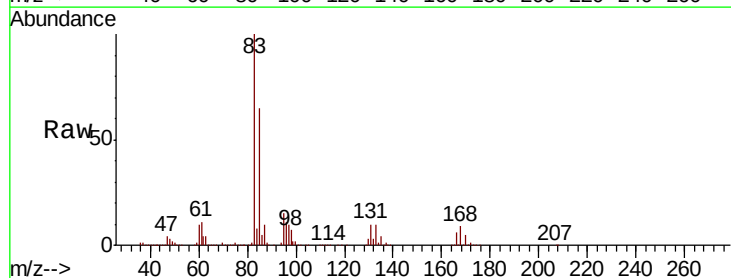
Tgt Ion: 83 Resp: 1830723

Ion Ratio Lower Upper

83 100

85 64.5 45.4 84.2

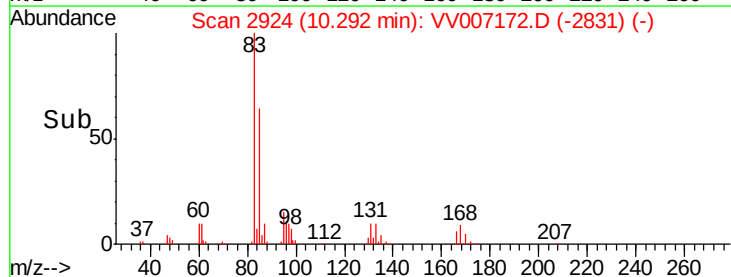
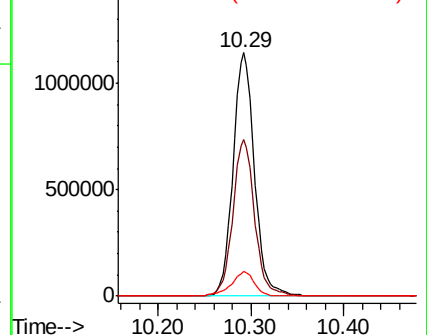
131 9.9 8.2 12.2

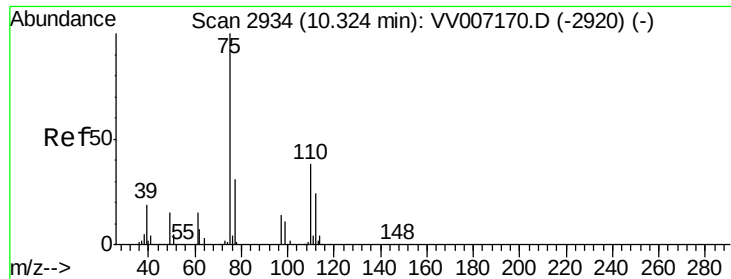


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 173.212 ug/L

RT: 10.32 min Scan# 2934

Delta R.T. 0.00 min

Lab File: VV007172.D

Acq: 24 Aug 2018 15:42

Instrument :

MSVOA_V

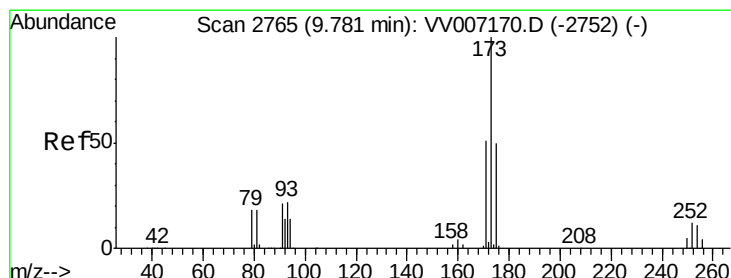
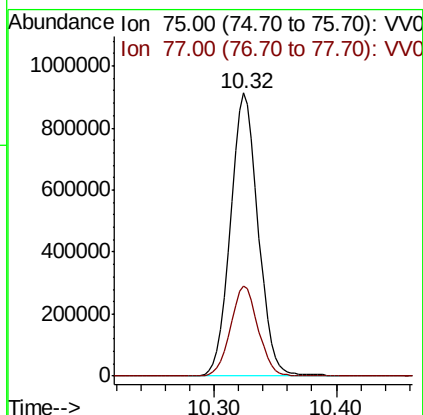
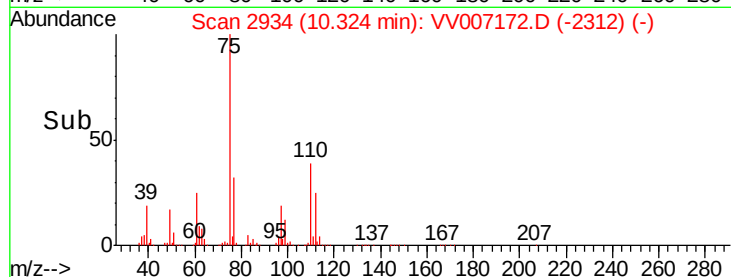
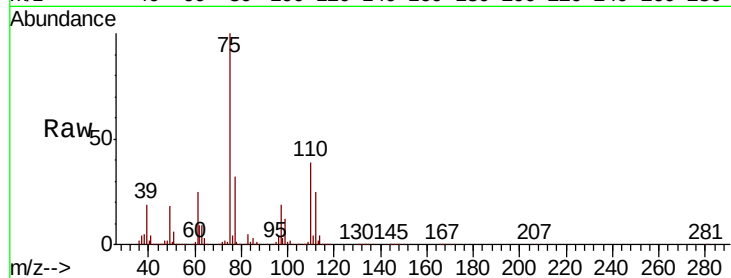
ClientSampled :

Tot Ion: 75 Resp: 1442214

Ion Ratio Lower Upper

75 100

77 31.9 24.6 37.0



#61

Bromoform

Concen: 172.473 ug/L

RT: 9.78 min Scan# 2765

Delta R.T. 0.00 min

Lab File: VV007172.D

Acq: 24 Aug 2018 15:42

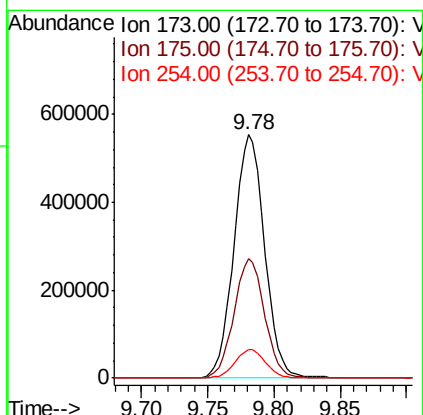
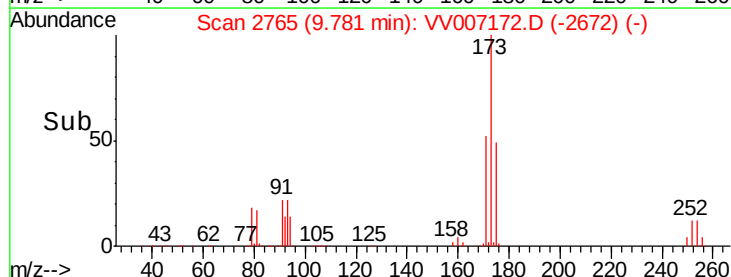
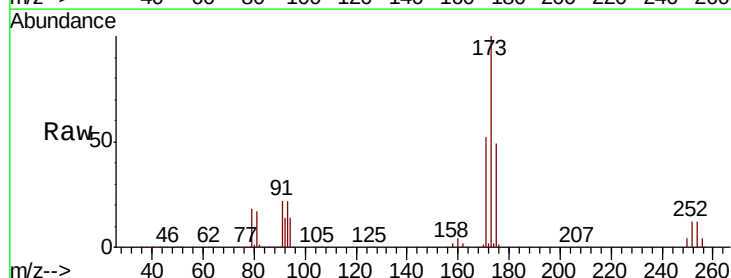
Tgt Ion: 173 Resp: 890789

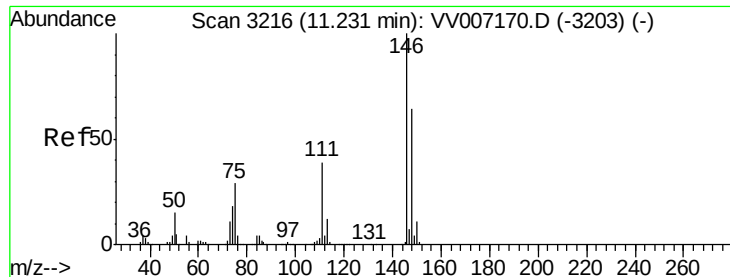
Ion Ratio Lower Upper

173 100

175 49.1 38.6 58.0

254 11.8 8.6 12.8





#62

1,3-Dichlorobenzene

Concen: 189.473 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. 0.00 min

Lab File: VV007172.D

Acq: 24 Aug 2018 15:42

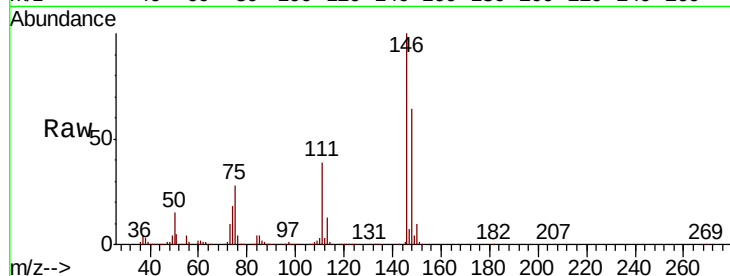
Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:146 Resp: 2342819

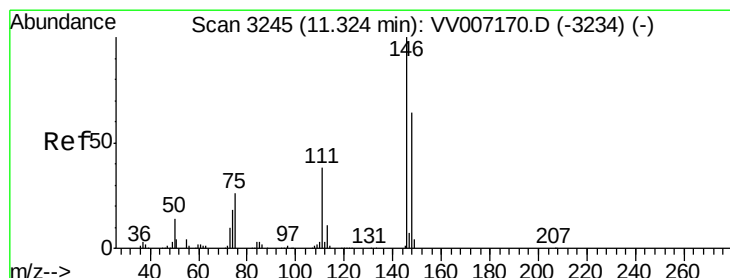
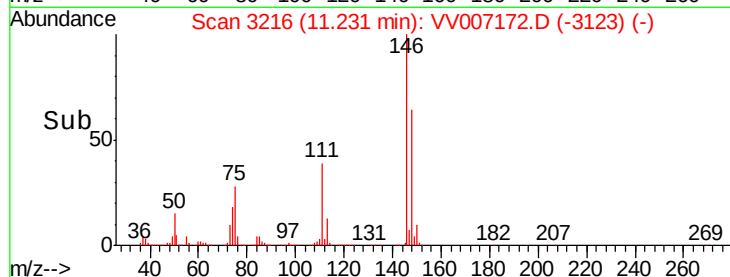
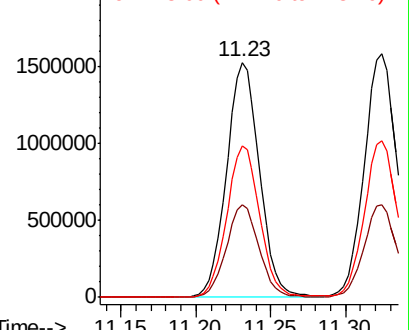
Ion	Ratio	Lower	Upper
146	100		
111	39.3	27.1	50.3
148	64.4	44.8	83.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 186.949 ug/L

RT: 11.32 min Scan# 3245

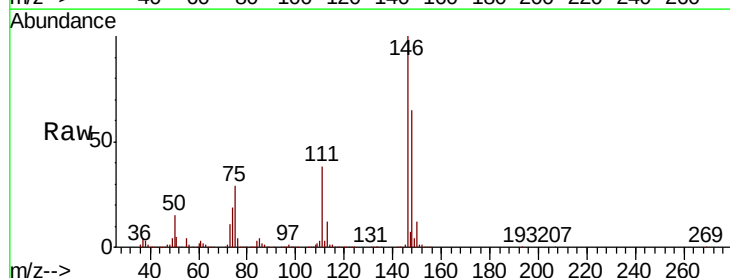
Delta R.T. 0.00 min

Lab File: VV007172.D

Acq: 24 Aug 2018 15:42

Tgt Ion:146 Resp: 2450848

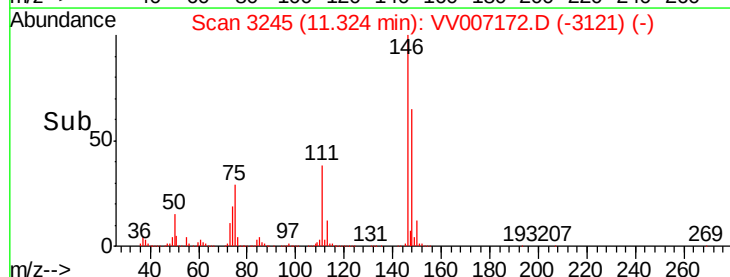
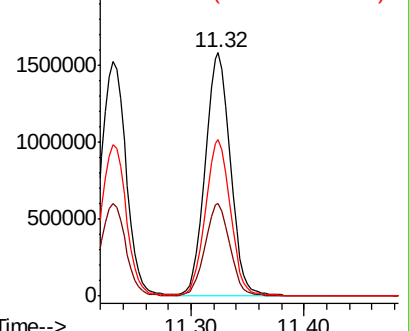
Ion	Ratio	Lower	Upper
146	100		
111	37.8	26.7	49.5
148	64.6	44.7	82.9

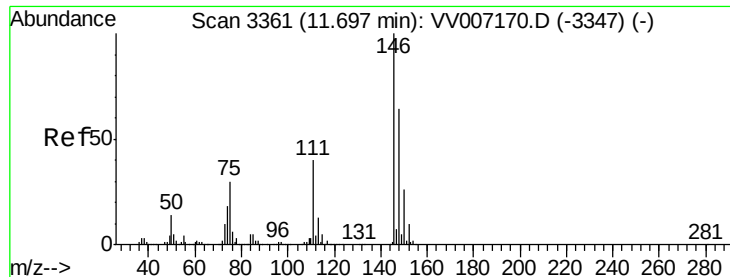


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



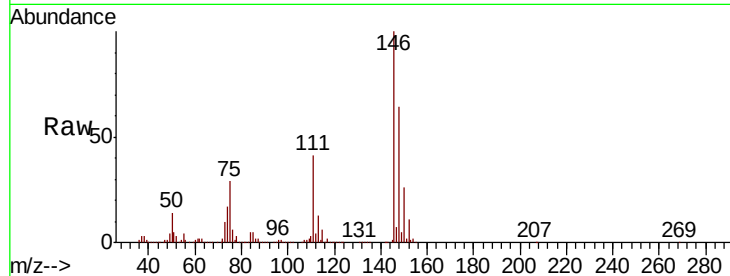


#65
 1,2-Dichlorobenzene
 Concen: 180.851 ug/L
 RT: 11.70 min Scan# 3361
 Delta R.T. 0.00 min
 Lab File: VV007172.D
 Acq: 24 Aug 2018 15:42

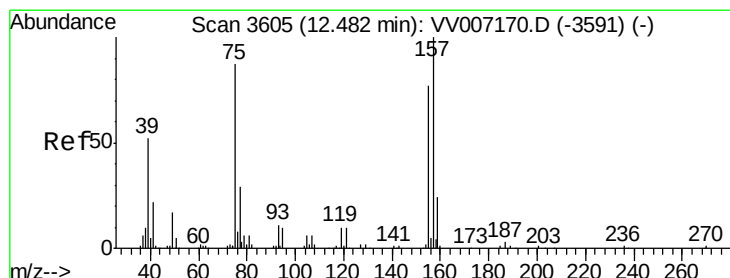
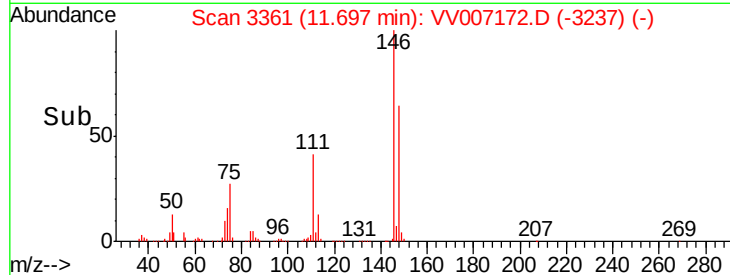
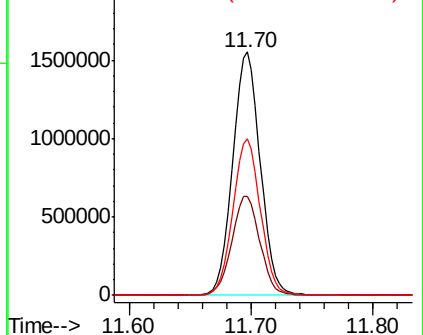
Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:146 Resp: 2442568

Ion	Ratio	Lower	Upper
146	100		
111	40.8	32.2	48.2
148	64.1	51.0	76.6



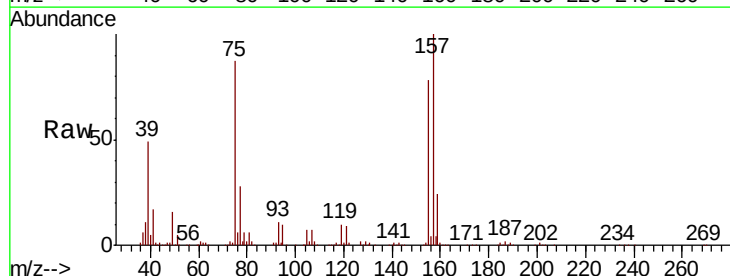
Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V



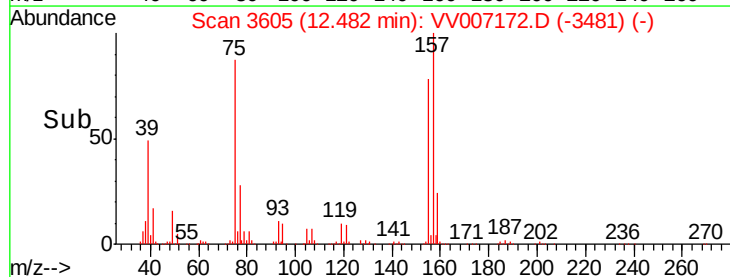
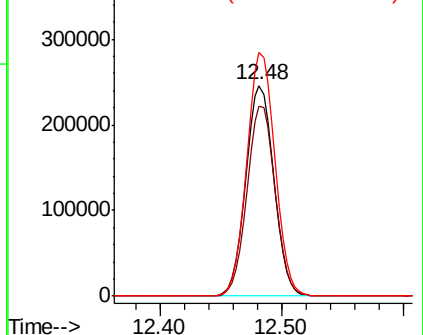
#66
 1,2-Dibromo-3-chloropropane
 Concen: 203.828 ug/L
 RT: 12.48 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VV007172.D
 Acq: 24 Aug 2018 15:42

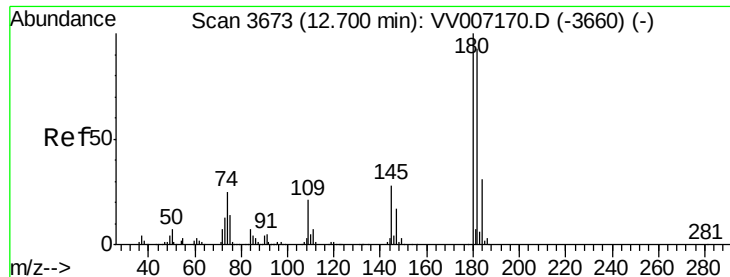
Tgt Ion: 75 Resp: 387946

Ion	Ratio	Lower	Upper
75	100		
155	90.2	70.6	106.0
157	115.4	91.8	137.8



Abundance Ion 75.00 (74.70 to 75.70): VV0
 Ion 155.00 (154.70 to 155.70): V
 Ion 157.00 (156.70 to 157.70): V

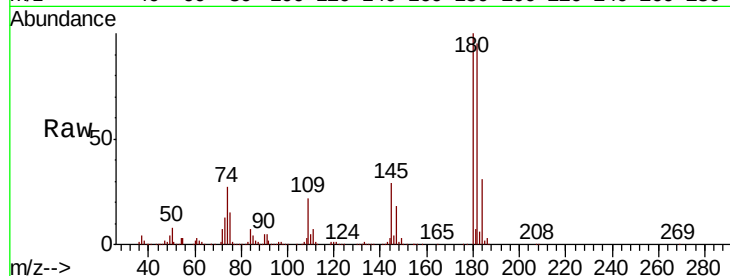




#67
 1,3,5-Trichlorobenzene
 Concen: 219.083 ug/L
 RT: 12.70 min Scan# 3672
 Delta R.T. -0.00 min
 Lab File: VV007172.D
 Acq: 24 Aug 2018 15:42

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	75.8	113.8
184	30.8	24.4	36.6
145	28.5	22.6	33.8



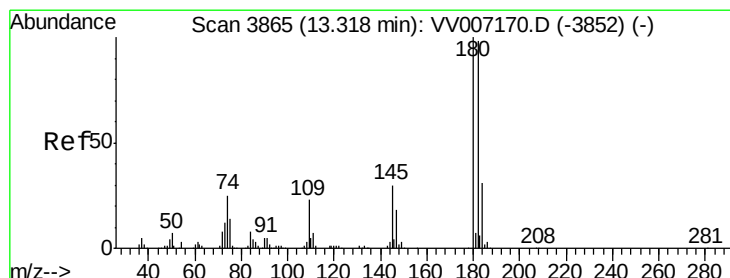
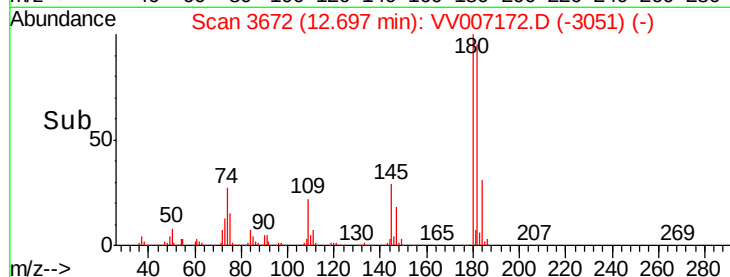
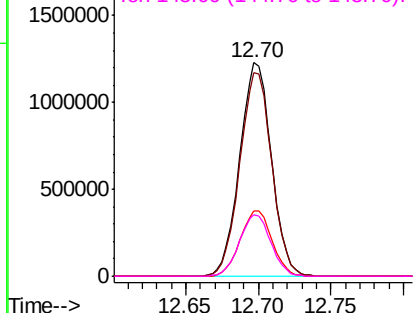
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

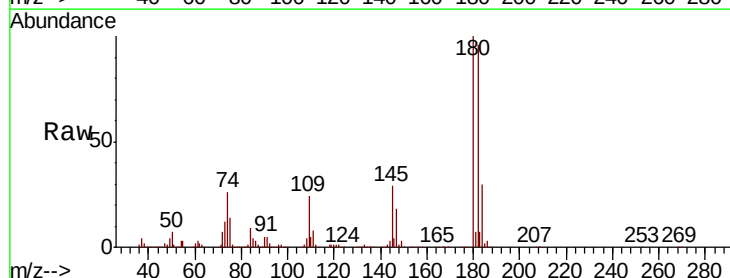
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 286.663 ug/L
 RT: 13.31 min Scan# 3864
 Delta R.T. -0.00 min
 Lab File: VV007172.D
 Acq: 24 Aug 2018 15:42

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	77.6	116.4
145	29.0	23.4	35.2

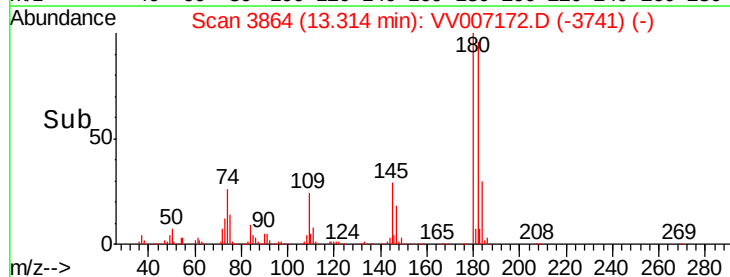
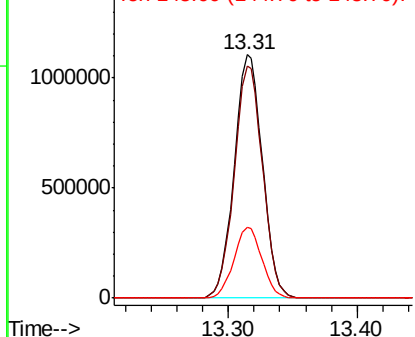


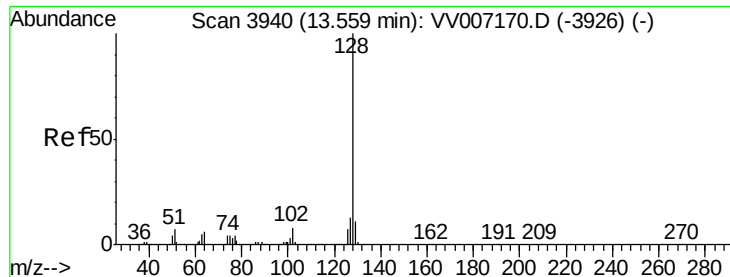
Abundance

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: 320.065 ug/L

RT: 13.56 min Scan# 3939

Delta R.T. -0.00 min

Lab File: VV007172.D

Acq: 24 Aug 2018 15:42

Instrument :

MSVOA_V

ClientSampleId :

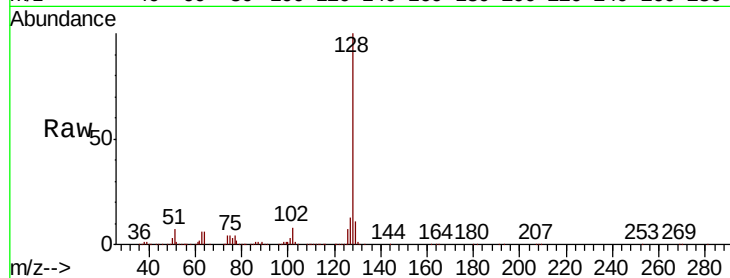
Tot Ion:128 Resp: 5056949

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	11.1	8.7	13.1

128 100

127 12.9 10.3 15.5

129 11.1 8.7 13.1

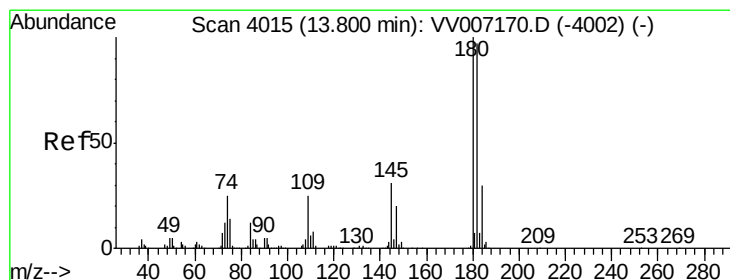
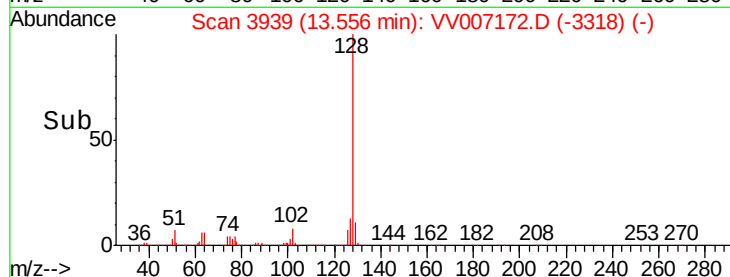
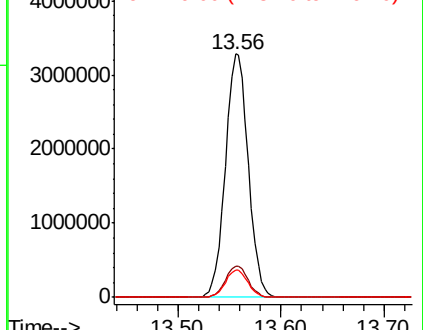


Abundance

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: 273.786 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. 0.00 min

Lab File: VV007172.D

Acq: 24 Aug 2018 15:42

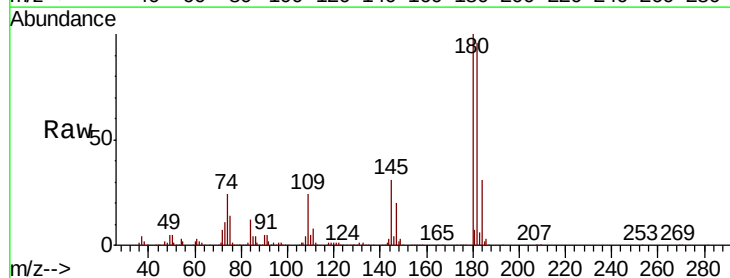
Tgt Ion:180 Resp: 1735847

Ion	Ratio	Lower	Upper
180	100		
182	95.5	77.0	115.4
145	30.8	24.7	37.1

180 100

182 95.5 77.0 115.4

145 30.8 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

