

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082218\
 Data File : VV007122.D
 Acq On : 22 Aug 2018 15:24
 Operator : SY/MD
 Sample : VSTD10076
 Misc : 5.0 mL/MSVOA V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 23 07:41:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM082218WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 23 07:39:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	580539	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	569625	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	297610	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	375115	87.26	ug/L	0.00
7) Chloroethane-d5	1.56	69	215091	63.47	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	664769	78.21	ug/L	0.00
21) 2-Butanone-d5	3.95	46	646558	243.24	ug/L	0.00
24) Chloroform-d	4.40	84	779586	94.82	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	474396	84.83	ug/L	0.00
32) Benzene-d6	5.10	84	1603400	100.57	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	520020	102.84	ug/L	0.00
41) Toluene-d8	7.36	98	1486855	98.88	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	231457	95.18	ug/L	0.00
47) 2-Hexanone-d5	8.14	63	450732	214.56	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	777977	108.30	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	603017	95.20	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	500084	97.987 ug/L	100
3) Chloromethane	1.25	50	612280	128.637 ug/L	99
5) Vinyl chloride	1.32	62	530830	110.841 ug/L	99
6) Bromomethane	1.51	94	119337	52.690 ug/L	100
8) Chloroethane	1.57	64	284297	98.519 ug/L	100
9) Trichlorofluoromethane	1.76	101	631683	89.680 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	384210	98.650 ug/L	99
12) 1,1-Dichloroethene	2.13	96	367978	101.651 ug/L	97
13) Acetone	2.19	43	442764	147.218 ug/L	99
14) Carbon disulfide	2.31	76	1107750	130.001 ug/L	99
15) Methyl Acetate	2.46	43	416877	93.084 ug/L	99
16) Methylene chloride	2.53	84	413347	100.443 ug/L	100
17) trans-1,2-Dichloroethene	2.79	96	397119	112.211 ug/L	99
18) Methyl tert-butyl Ether	2.81	73	1218262	100.254 ug/L	99
19) 1,1-Dichloroethane	3.22	63	802662	110.445 ug/L	98
20) cis-1,2-Dichloroethene	3.96	96	479565	115.462 ug/L	98
22) 2-Butanone	4.04	43	768207	212.167 ug/L	99
23) Bromochloromethane	4.30	128	237684	114.722 ug/L	99
25) Chloroform	4.43	83	809775	104.990 ug/L	97
27) 1,2-Dichloroethane	5.19	62	611574	92.138 ug/L	100
29) Cyclohexane	4.72	56	735217	120.604 ug/L	99
30) 1,1,1-Trichloroethane	4.66	97	676396	99.955 ug/L	99
31) Carbon tetrachloride	4.87	117	578405	100.036 ug/L	99
33) Benzene	5.15	78	1903065	116.314 ug/L	100
34) Trichloroethene	5.96	95	434619	104.220 ug/L	98
35) Methylcyclohexane	6.18	83	775555	122.611 ug/L	97
37) 1,2-Dichloropropane	6.23	63	489303	110.266 ug/L	98
38) Bromodichloromethane	6.56	83	591237	104.916 ug/L	100
39) cis-1,3-Dichloropropene	7.08	75	716766	114.021 ug/L	99
40) 4-Methyl-2-pentanone	7.29	43	1343231	209.423 ug/L	99

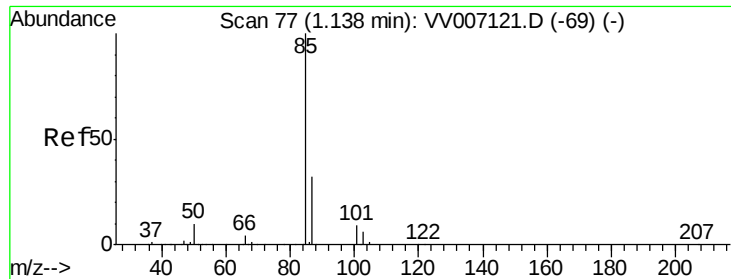
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082218\
 Data File : VV007122.D
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 Quant Title : VOC Analysis
 QLast Update : Thu Aug 23 07:39:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.44	91	1919555	110.498	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	664462	109.507	ug/L	98
45) 1,1,2-Trichloroethane	7.89	97	457123	108.110	ug/L	99
46) Tetrachloroethene	8.02	164	361325	110.525	ug/L	98
48) 2-Hexanone	8.19	43	1052743	198.610	ug/L	97
49) Dibromochloromethane	8.30	129	478778	110.454	ug/L	99
50) 1,2-Dibromoethane	8.40	107	463936	106.038	ug/L	99
51) Chlorobenzene	8.93	112	1221875	105.802	ug/L	100
52) Ethylbenzene	9.06	91	2019370	105.201	ug/L	98
53) m,p-Xylene	9.19	106	789245	111.686	ug/L	100
54) o-xylene	9.59	106	769173	108.459	ug/L	99
55) Styrene	9.61	104	1392296	113.861	ug/L	99
56) Isopropylbenzene	9.98	105	1977866	104.598	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.30	83	820690	112.900	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	651023	110.687	ug/L	99
61) Bromoform	9.78	173	368381	115.816	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	936690	101.401	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	994015	99.942	ug/L	100
65) 1,2-Dichlorobenzene	11.70	146	1027158	102.499	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	148834	94.427	ug/L	98
67) 1,3,5-Trichlorobenzene	12.70	180	683926	103.469	ug/L	100
68) 1,2,4-trichlorobenzene	13.32	180	517015	97.324	ug/L	99
69) Naphthalene	13.56	128	1501451	92.177	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	580310	102.062	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 97.987 ug/L

RT: 1.14 min Scan# 77

Delta R.T. 0.00 min

Lab File: VV007122.D

Acq: 22 Aug 2018 15:24

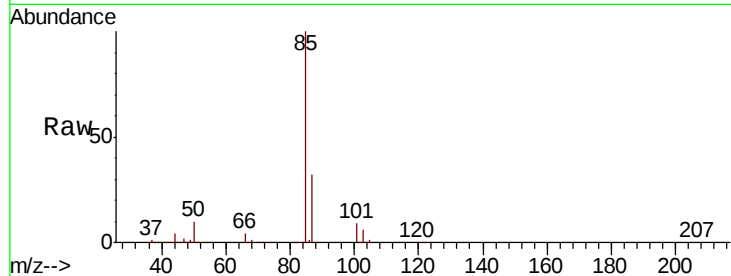
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 500084

Ion Ratio Lower Upper

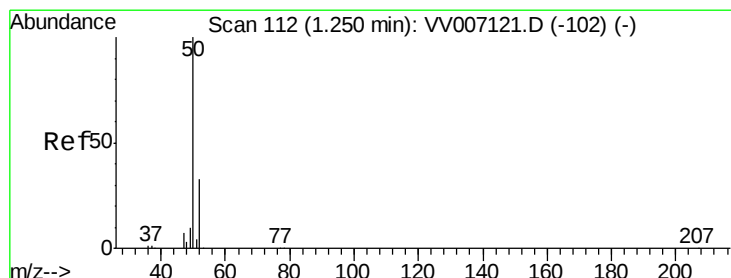
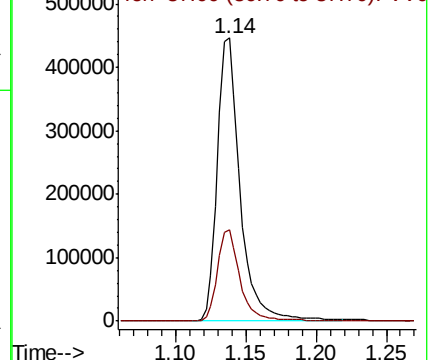
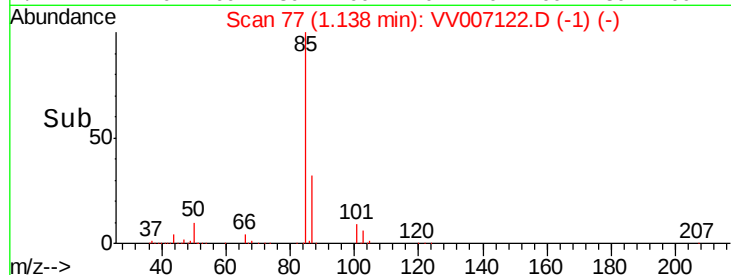
85 100

87 31.9 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV007122.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV007122.D (-1) (-)



#3

Chloromethane

Concen: 128.637 ug/L

RT: 1.25 min Scan# 112

Delta R.T. 0.00 min

Lab File: VV007122.D

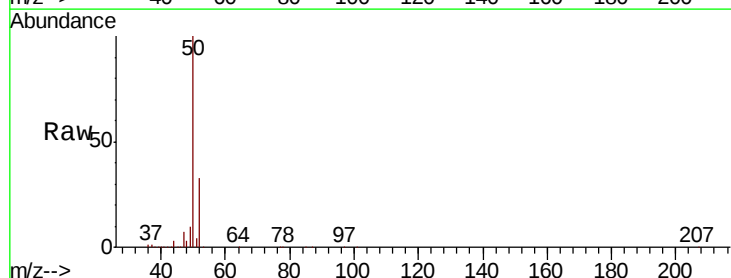
Acq: 22 Aug 2018 15:24

Tgt Ion: 50 Resp: 612280

Ion Ratio Lower Upper

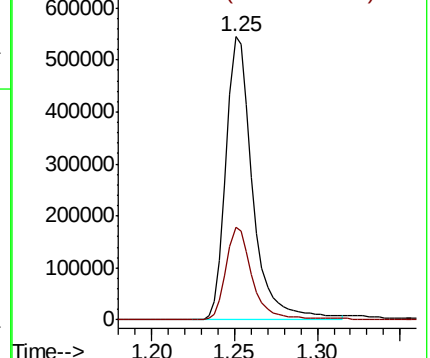
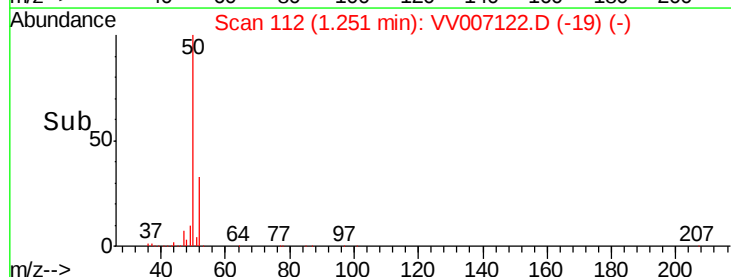
50 100

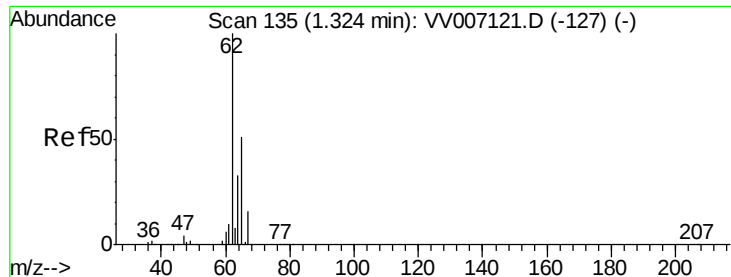
52 32.6 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VV007122.D (-19) (-)

Ion 52.00 (51.70 to 52.70): VV007122.D (-19) (-)





#5

Vinyl chloride

Concen: 110.841 ug/L

RT: 1.32 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV007122.D

Acq: 22 Aug 2018 15:24

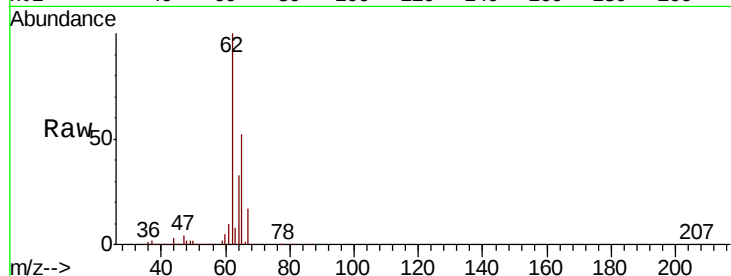
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 530830

Ion Ratio Lower Upper

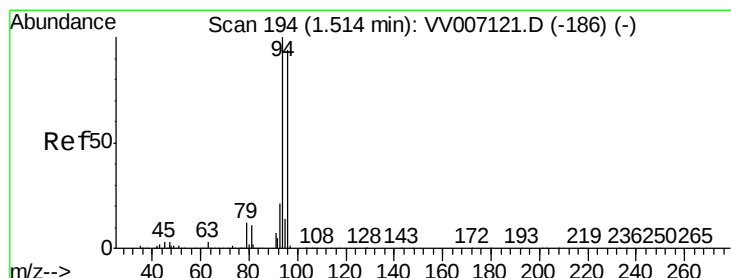
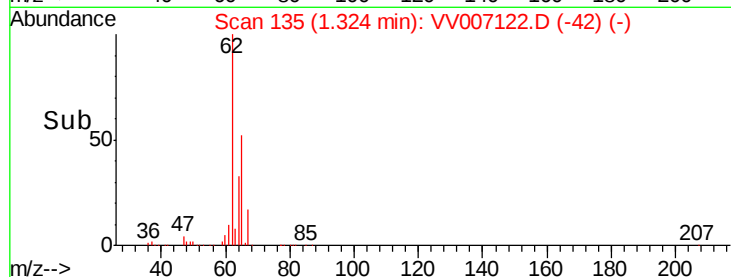
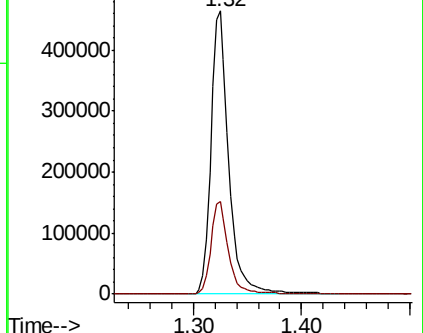
62 100

64 32.9 23.4 43.4



Abundance Ion 62.00 (61.70 to 62.70): VV007122.D (-127) (-)

Ion 64.00 (63.70 to 64.70): VV007122.D (-127) (-)



#6

Bromomethane

Concen: 52.690 ug/L

RT: 1.51 min Scan# 194

Delta R.T. 0.00 min

Lab File: VV007122.D

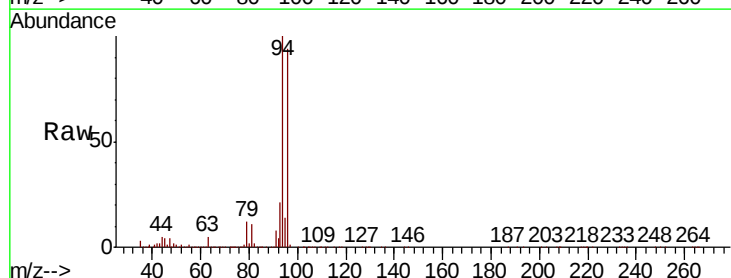
Acq: 22 Aug 2018 15:24

Tgt Ion: 94 Resp: 119337

Ion Ratio Lower Upper

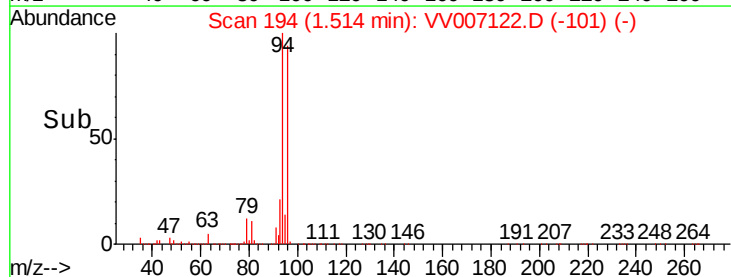
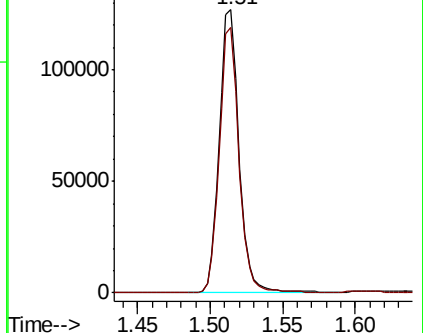
94 100

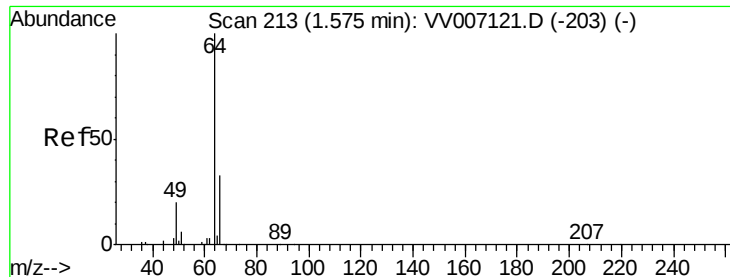
96 93.8 65.5 121.6



Abundance Ion 94.00 (93.70 to 94.70): VV007122.D (-186) (-)

Ion 96.00 (95.70 to 96.70): VV007122.D (-186) (-)





#8

Chloroethane

Concen: 98.519 ug/L

RT: 1.57 min Scan# 212

Delta R.T. -0.00 min

Lab File: VV007122.D

Acq: 22 Aug 2018 15:24

Instrument :

MSVOA_V

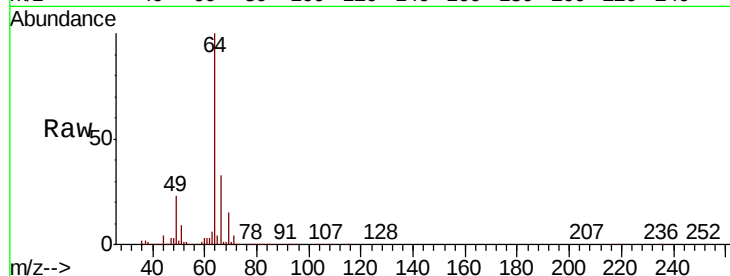
ClientSampleId :

Tot Ion: 64 Resp: 284297

Ion Ratio Lower Upper

64 100

66 32.9 22.8 42.4



Abundance Ion 64.00 (63.70 to 64.70): VV007122.D (-64) (-)

Ion 66.00 (65.70 to 66.70): VV007122.D (-66) (-)

1.57

250000

200000

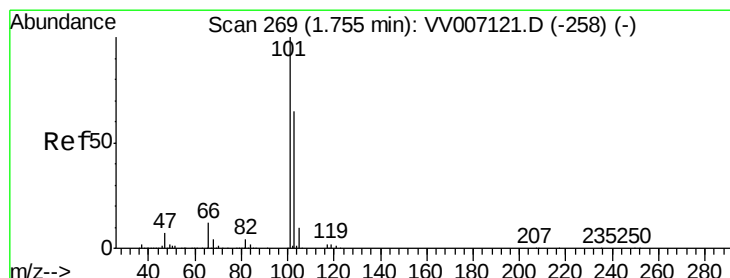
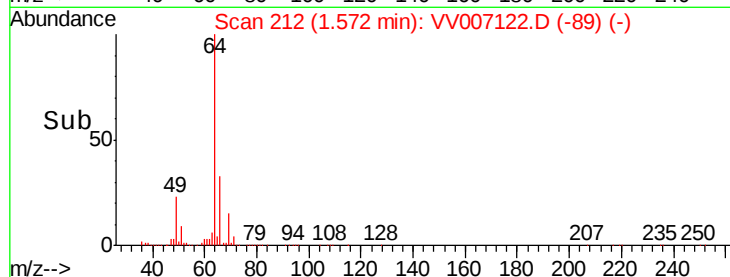
150000

100000

50000

0

Time--> 1.50 1.55 1.60 1.65



#9

Trichlorofluoromethane

Concen: 89.680 ug/L

RT: 1.76 min Scan# 269

Delta R.T. 0.00 min

Lab File: VV007122.D

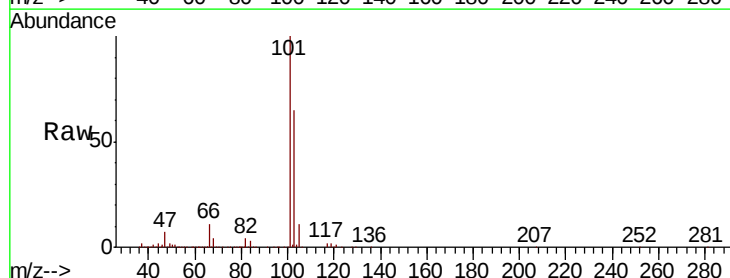
Acq: 22 Aug 2018 15:24

Tgt Ion: 101 Resp: 631683

Ion Ratio Lower Upper

101 100

103 64.8 52.5 78.7



Abundance Ion 101.00 (100.70 to 101.70): VV007122.D (-101) (-)

Ion 103.00 (102.70 to 103.70): VV007122.D (-103) (-)

1.76

500000

400000

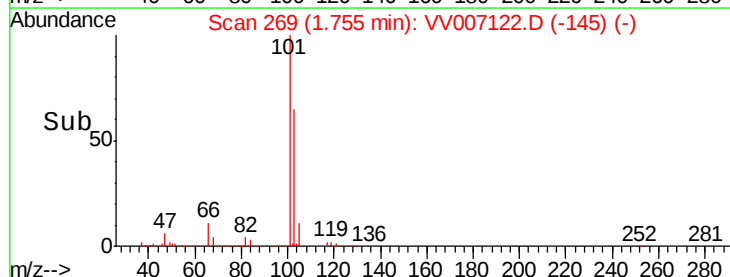
300000

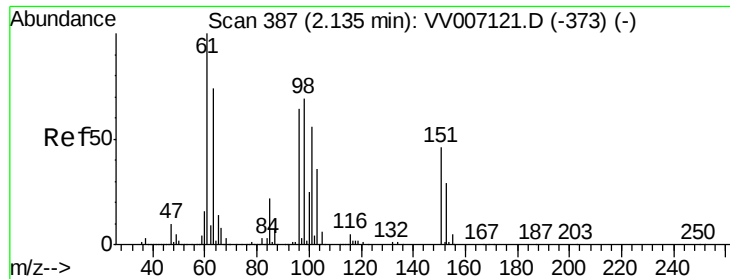
200000

100000

0

Time--> 1.70 1.75 1.80





#10

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

Concen: 98.650 ug/L

RT: 2.13 min Scan# 386

Delta R.T. -0.00 min

Lab File: VV007122.D

Acq: 22 Aug 2018 15:24

Instrument :

MSVOA_V

ClientSampleId :

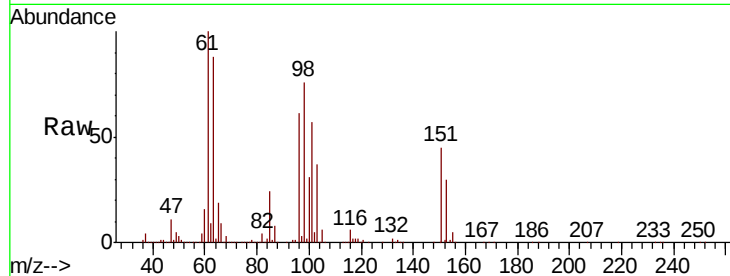
Tot Ion:101 Resp: 384210

Ion Ratio Lower Upper

101 100

85 40.8 32.5 48.7

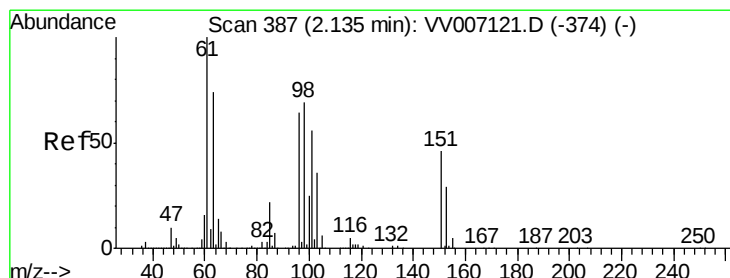
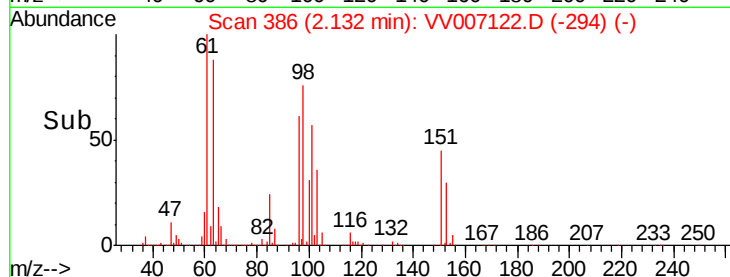
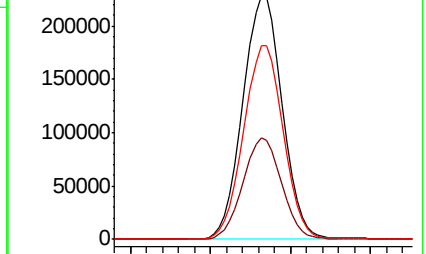
151 80.3 65.2 97.8



Abundance Ion 101.00 (100.70 to 101.70): VV007122.D (-294) (-)

Ion 85.00 (84.70 to 85.70): VV007122.D (-294) (-)

Ion 151.00 (150.70 to 151.70): VV007122.D (-294) (-)



#12

1,1-Dichloroethene

Concen: 101.651 ug/L

RT: 2.13 min Scan# 387

Delta R.T. 0.00 min

Lab File: VV007122.D

Acq: 22 Aug 2018 15:24

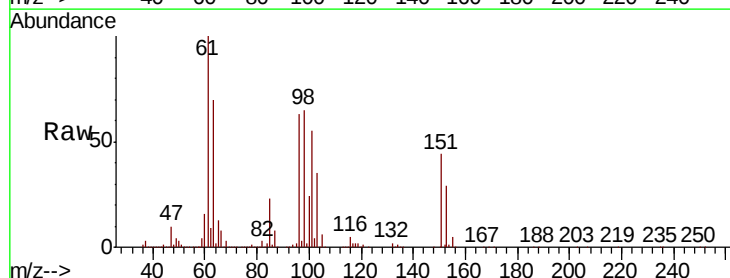
Tgt Ion: 96 Resp: 367978

Ion Ratio Lower Upper

96 100

61 158.3 110.0 204.2

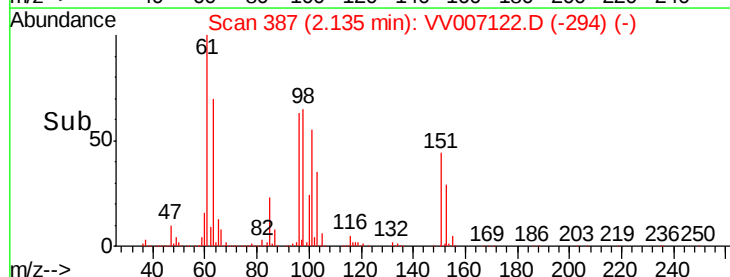
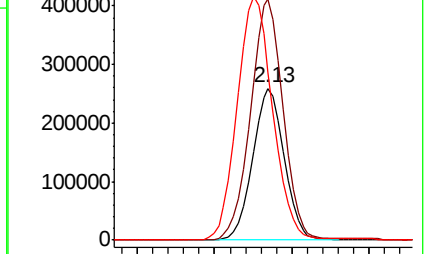
63 111.0 81.8 152.0

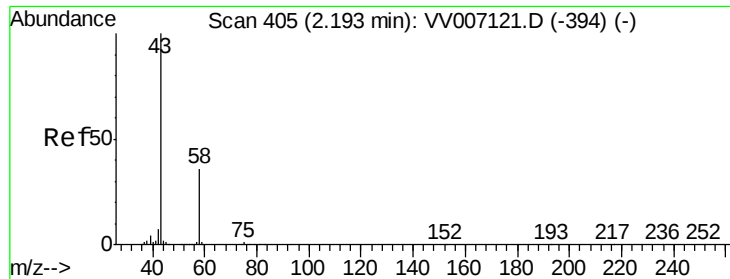


Abundance Ion 96.00 (95.70 to 96.70): VV007122.D (-294) (-)

Ion 61.00 (60.70 to 61.70): VV007122.D (-294) (-)

Ion 63.00 (62.70 to 63.70): VV007122.D (-294) (-)

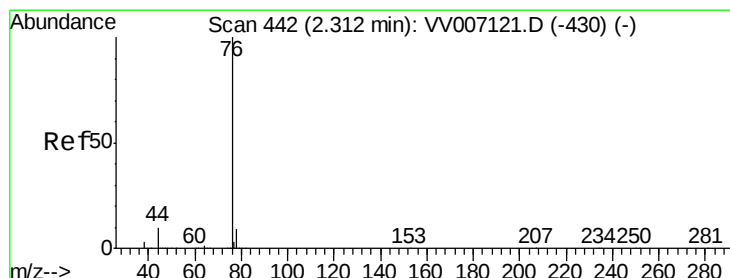
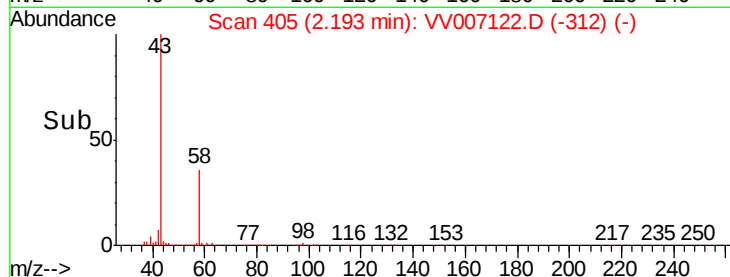
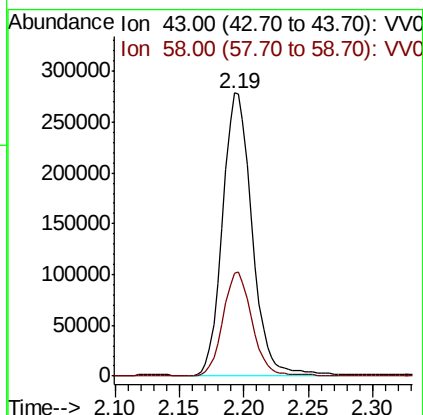
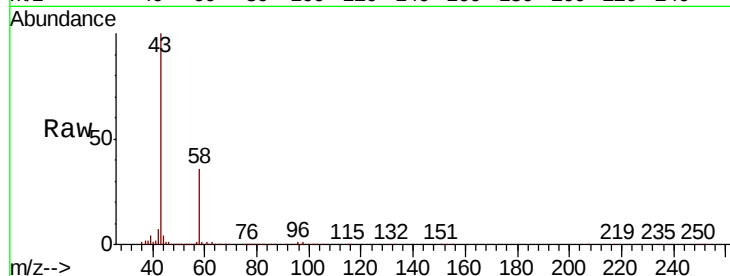




#13
Acetone
Concen: 147.218 ug/L
RT: 2.19 min Scan# 405
Delta R.T. 0.00 min
Lab File: VV007122.D
Acq: 22 Aug 2018 15:24

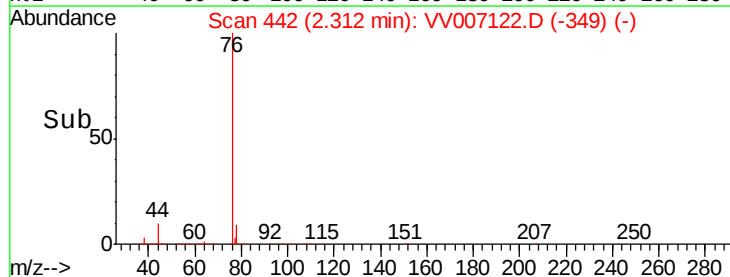
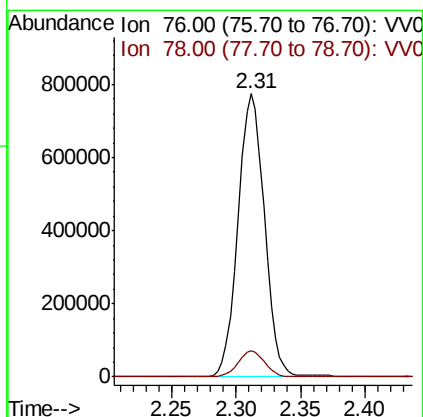
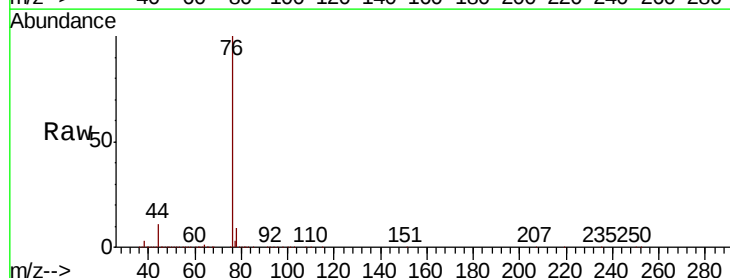
Instrument :
MSVOA_V
ClientSampleId :

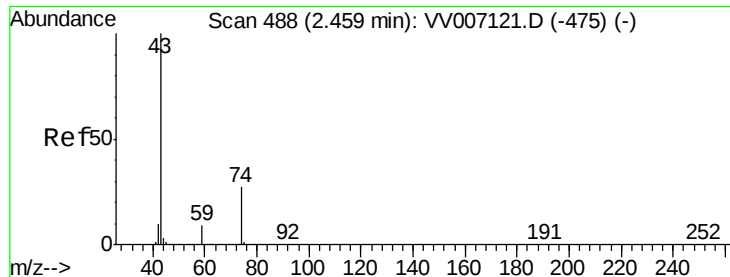
Tot Ion: 43 Resp: 442764
Ion Ratio Lower Upper
43 100
58 36.2 0.0 73.0



#14
Carbon disulfide
Concen: 130.001 ug/L
RT: 2.31 min Scan# 442
Delta R.T. 0.00 min
Lab File: VV007122.D
Acq: 22 Aug 2018 15:24

Tgt Ion: 76 Resp: 1107750
Ion Ratio Lower Upper
76 100
78 9.2 7.2 10.8

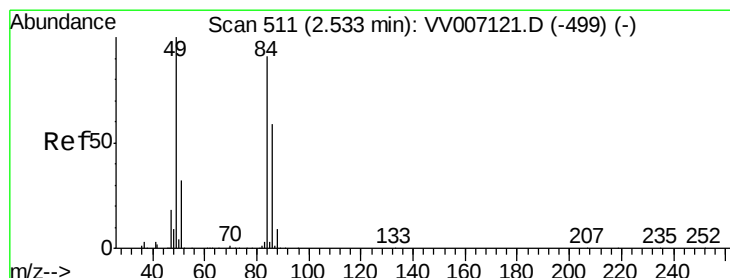
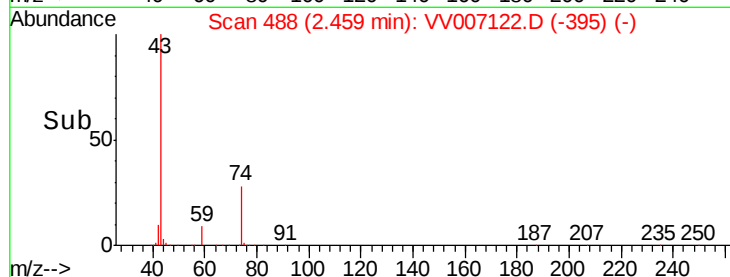
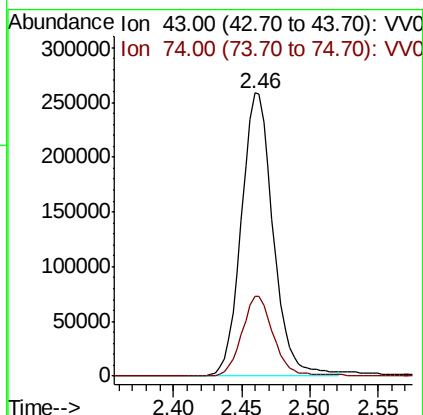
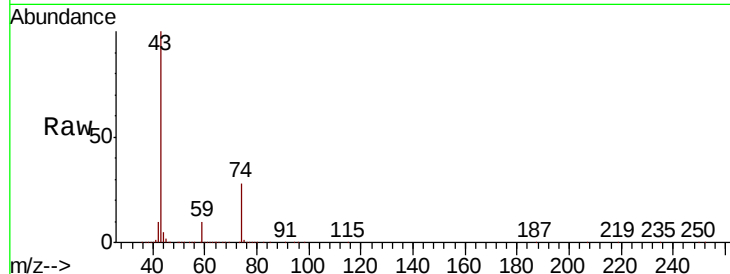




#15
Methvl Acetate
Concen: 93.084 ug/L
RT: 2.46 min Scan# 488
Delta R.T. 0.00 min
Lab File: VV007122.D
Acq: 22 Aug 2018 15:24

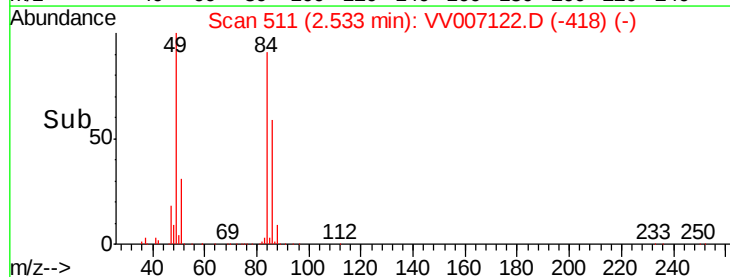
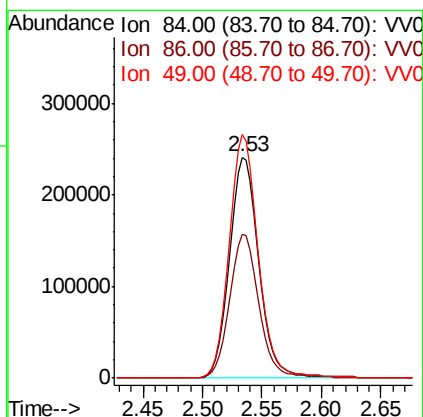
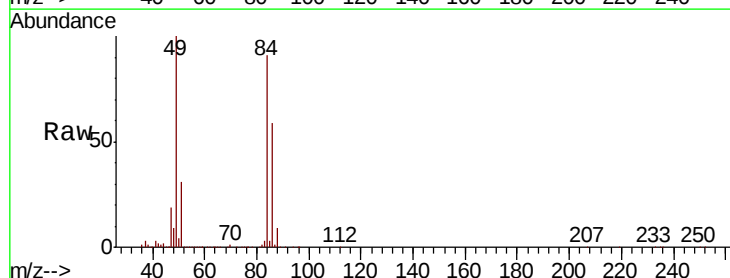
Instrument :
MSVOA_V
ClientSampled :

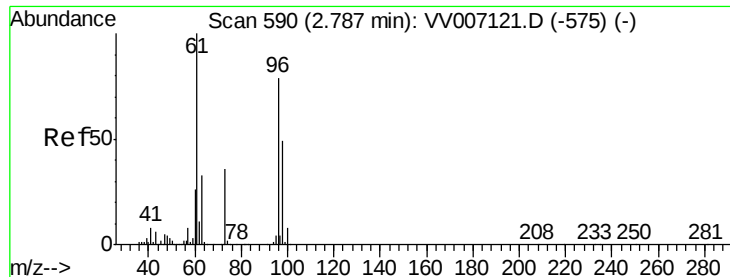
Tot Ion: 43 Resp: 416877
Ion Ratio Lower Upper
43 100
74 28.3 22.2 33.2



#16
Methylene chloride
Concen: 100.443 ug/L
RT: 2.53 min Scan# 511
Delta R.T. 0.00 min
Lab File: VV007122.D
Acq: 22 Aug 2018 15:24

Tgt Ion: 84 Resp: 413347
Ion Ratio Lower Upper
84 100
86 65.0 45.4 84.4
49 110.3 76.7 142.5





#17

trans-1,2-Dichloroethene

Concen: 112.211 ug/L

RT: 2.79 min Scan# 590

Delta R.T. 0.00 min

Lab File: VV007122.D

Acq: 22 Aug 2018 15:24

Instrument :
MSVOA_V
ClientSampleId :

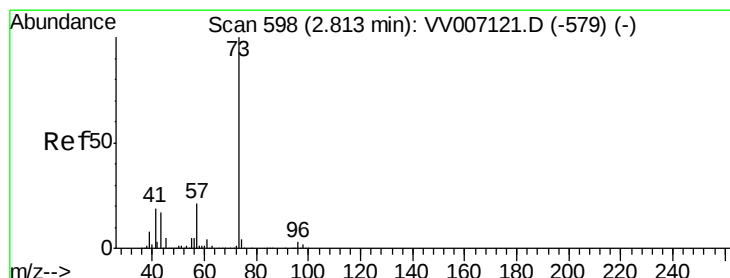
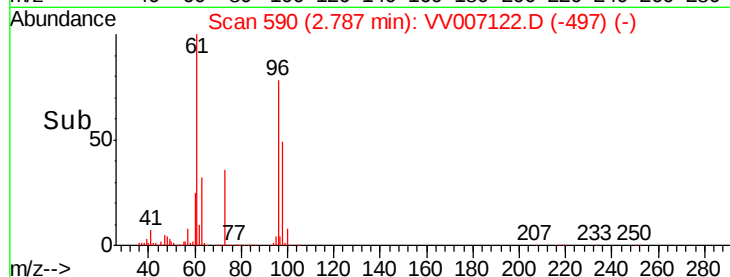
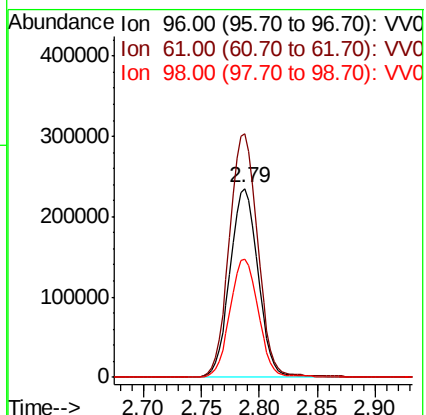
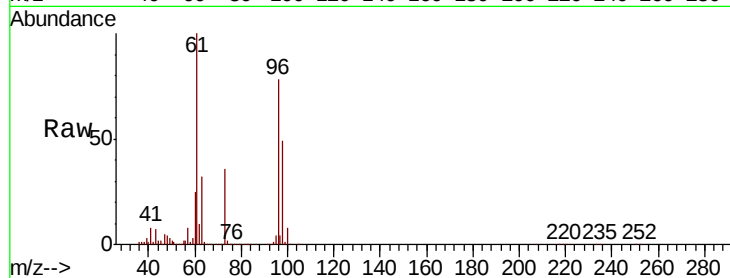
Tot Ion: 96 Resp: 397119

Ion Ratio Lower Upper

96 100

61 128.7 89.1 165.5

98 62.8 43.6 81.0



#18

Methyl tert-butyl Ether

Concen: 100.254 ug/L

RT: 2.81 min Scan# 597

Delta R.T. -0.00 min

Lab File: VV007122.D

Acq: 22 Aug 2018 15:24

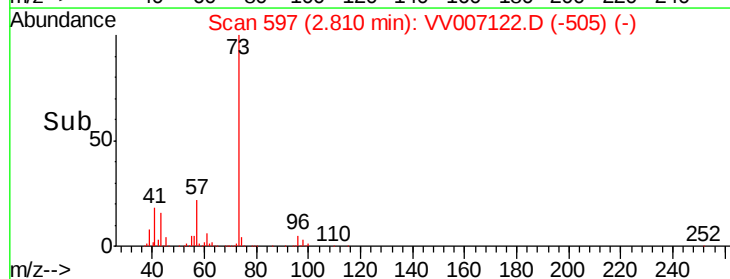
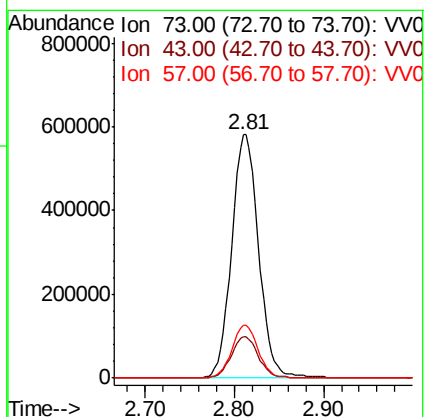
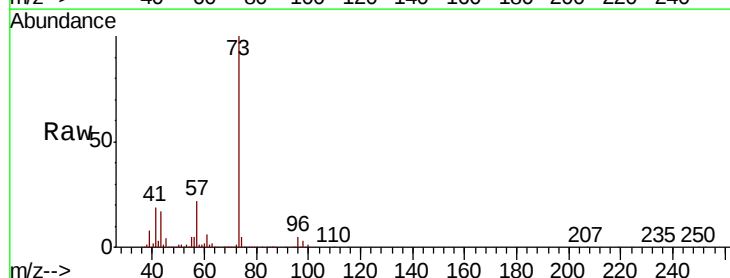
Tgt Ion: 73 Resp: 1218262

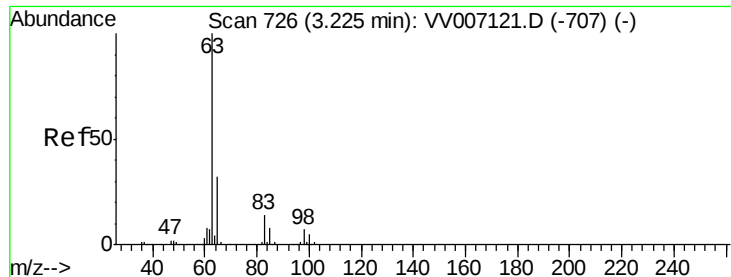
Ion Ratio Lower Upper

73 100

43 16.9 13.6 20.4

57 21.3 16.6 25.0

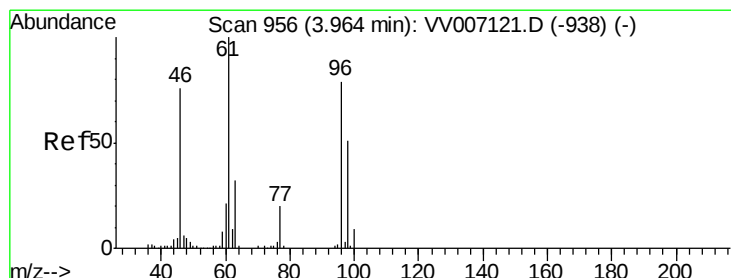
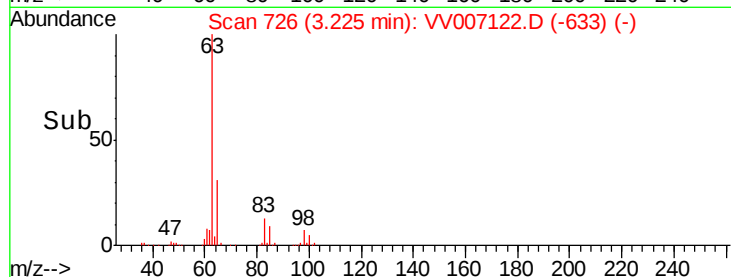
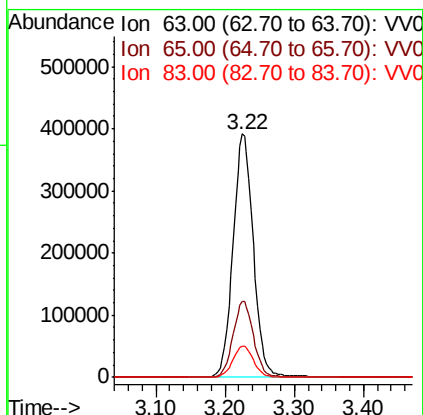
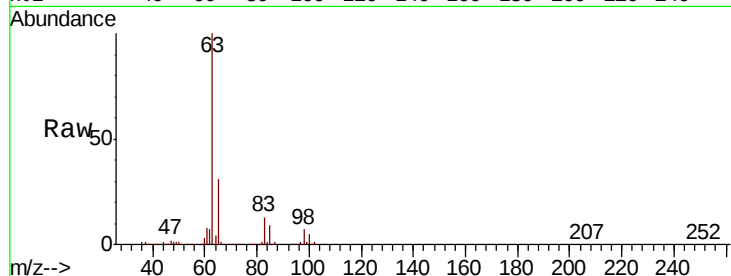




#19
 1,1-Dichloroethane
 Concen: 110.445 ug/L
 RT: 3.22 min Scan# 726
 Delta R.T. 0.00 min
 Lab File: VV007122.D
 Acq: 22 Aug 2018 15:24

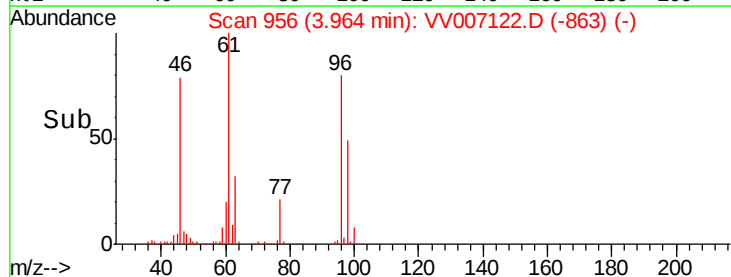
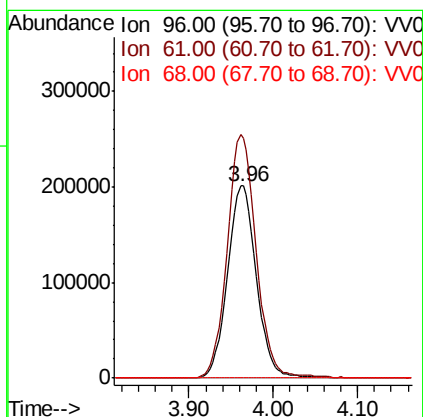
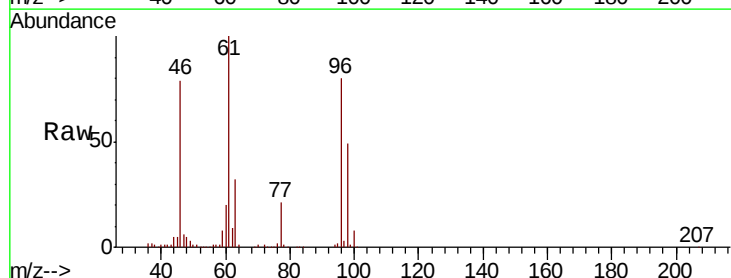
Instrument :
 MSVOA_V
 ClientSampled :

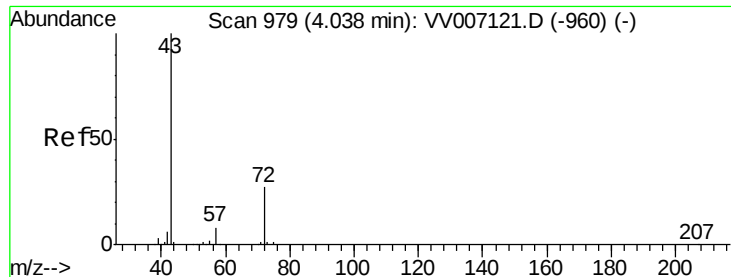
Tot Ion: 63 Resp: 802662
 Ion Ratio Lower Upper
 63 100
 65 31.4 22.7 42.3
 83 12.8 9.4 17.6



#20
 cis-1,2-Dichloroethene
 Concen: 115.462 ug/L
 RT: 3.96 min Scan# 956
 Delta R.T. 0.00 min
 Lab File: VV007122.D
 Acq: 22 Aug 2018 15:24

Tgt Ion: 96 Resp: 479565
 Ion Ratio Lower Upper
 96 100
 61 125.0 89.0 165.4
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 212.167 ug/L

RT: 4.04 min Scan# 979

Delta R.T. 0.00 min

Lab File: VV007122.D

Acq: 22 Aug 2018 15:24

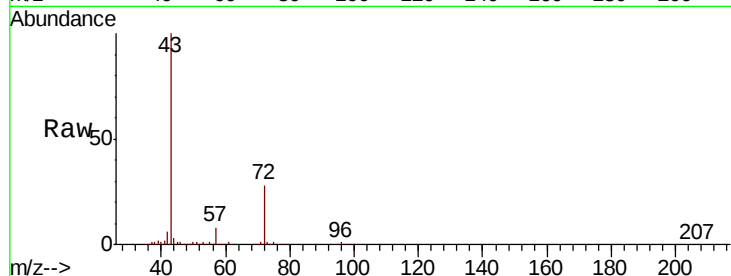
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 768207

Ion Ratio Lower Upper

43 100

72 27.6 13.6 40.8



Abundance Ion 43.00 (42.70 to 43.70): VV007122.D (-960) (-)

Ion 72.00 (71.70 to 72.70): VV007122.D (-960) (-)

4.04

300000

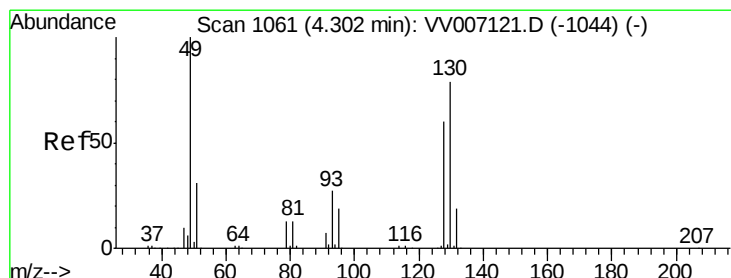
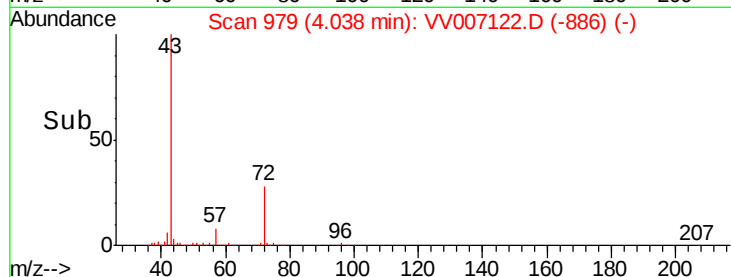
200000

100000

0

4.00 4.10

Time-->



#23

Bromochloromethane

Concen: 114.722 ug/L

RT: 4.30 min Scan# 1061

Delta R.T. 0.00 min

Lab File: VV007122.D

Acq: 22 Aug 2018 15:24

Tgt Ion:128 Resp: 237684

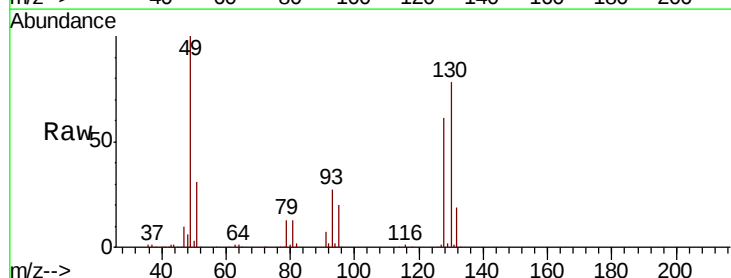
Ion Ratio Lower Upper

128 100

49 165.1 116.4 216.2

130 129.5 91.6 170.2

51 51.1 41.4 62.2



Abundance Ion 128.00 (127.70 to 128.70): VV007122.D (-968) (-)

Ion 49.00 (48.70 to 49.70): VV007122.D (-968) (-)

Ion 130.00 (129.70 to 130.70): VV007122.D (-968) (-)

Ion 51.00 (50.70 to 51.70): VV007122.D (-968) (-)

250000

200000

150000

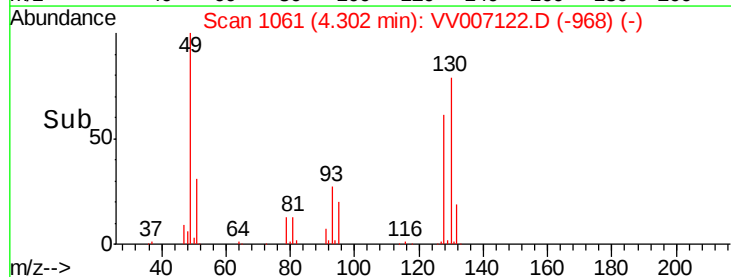
100000

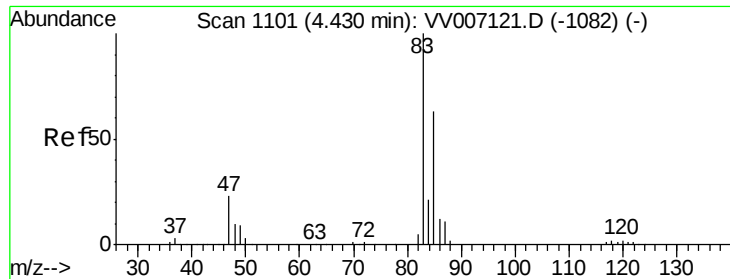
50000

0

4.20 4.30 4.40

Time-->

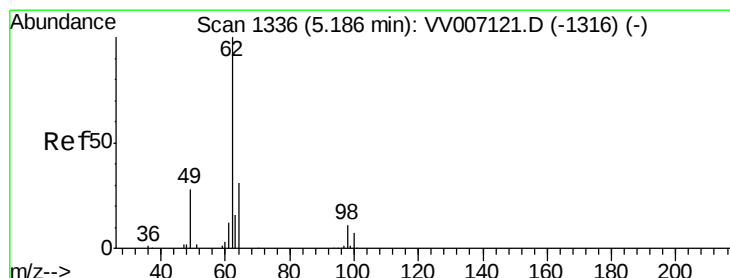
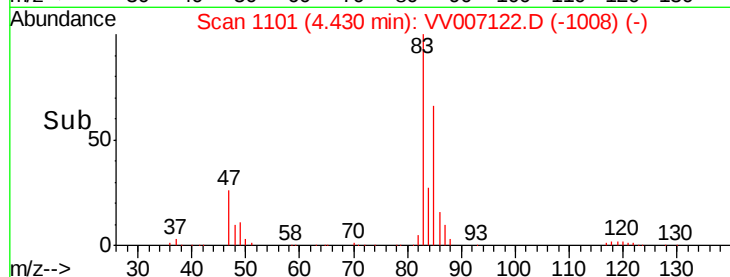
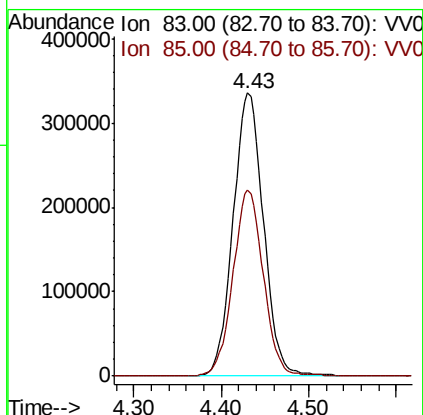
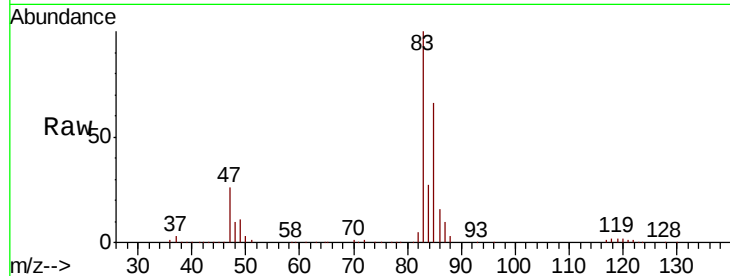




#25
Chloroform
Concen: 104.990 ug/L
RT: 4.43 min Scan# 1101
Delta R.T. 0.00 min
Lab File: VV007122.D
Acq: 22 Aug 2018 15:24

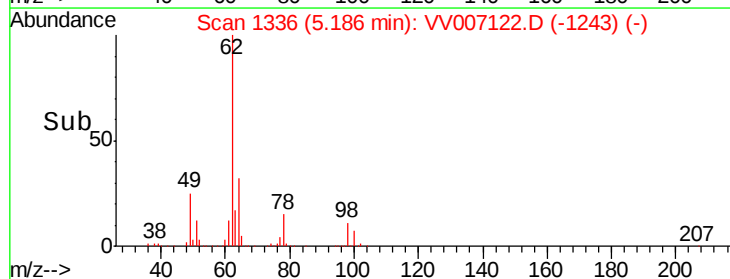
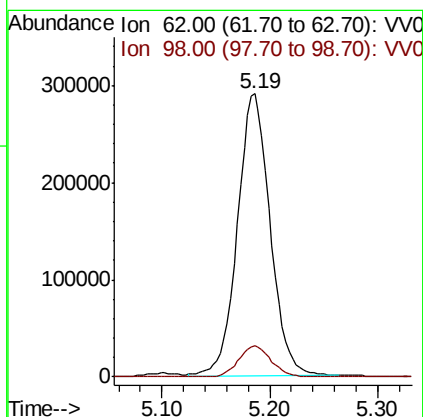
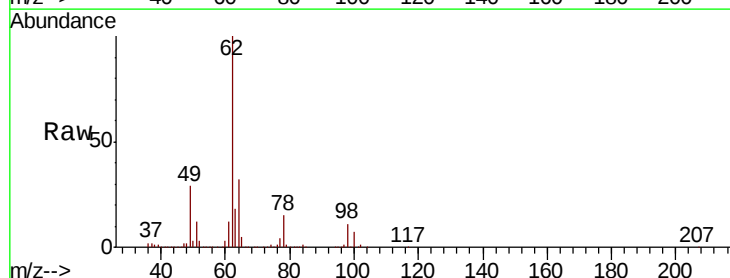
Instrument :
MSVOA_V
ClientSampleId :

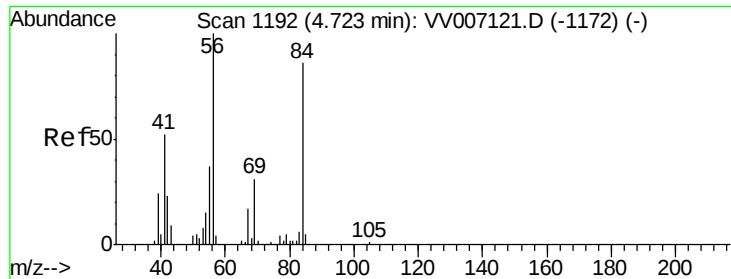
Tot Ion: 83 Resp: 809775
Ion Ratio Lower Upper
83 100
85 65.7 44.4 82.5



#27
1,2-Dichloroethane
Concen: 92.138 ug/L
RT: 5.19 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VV007122.D
Acq: 22 Aug 2018 15:24

Tgt Ion: 62 Resp: 611574
Ion Ratio Lower Upper
62 100
98 10.9 8.7 13.1

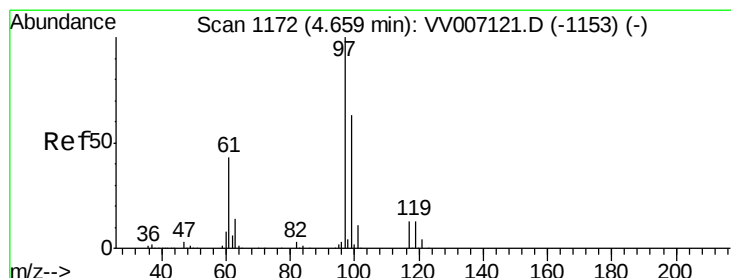
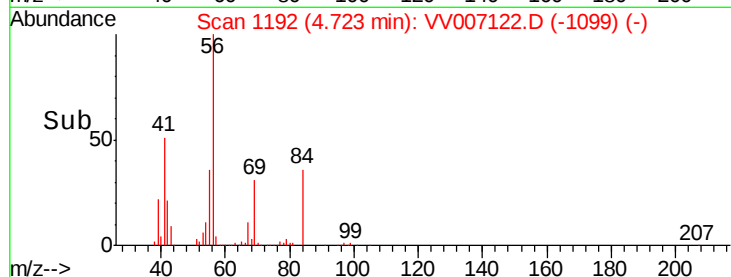
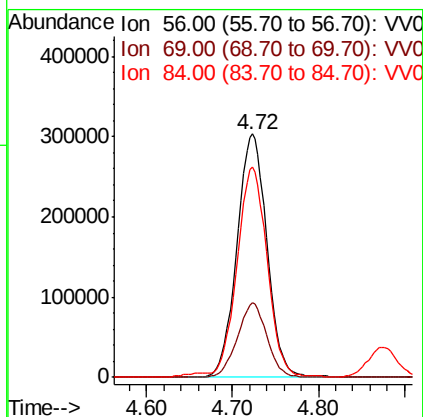
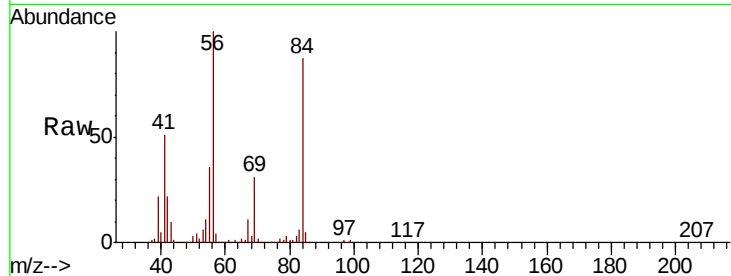




#29
Cvclohexane
Concen: 120.604 ug/L
RT: 4.72 min Scan# 1192
Delta R.T. 0.00 min
Lab File: VV007122.D
Acq: 22 Aug 2018 15:24

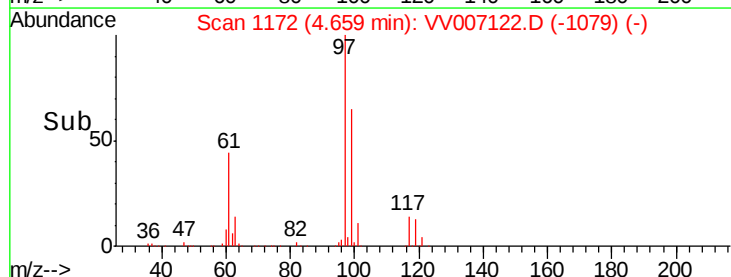
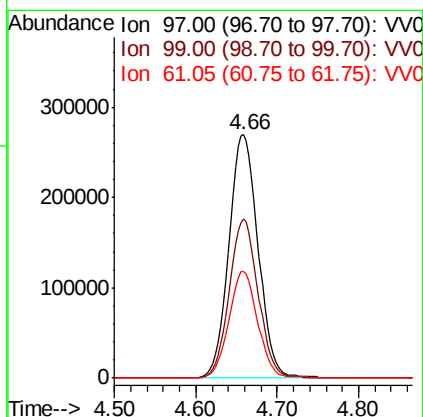
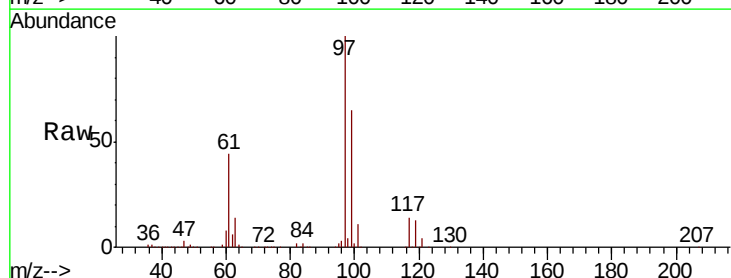
Instrument :
MSVOA_V
ClientSampleId :

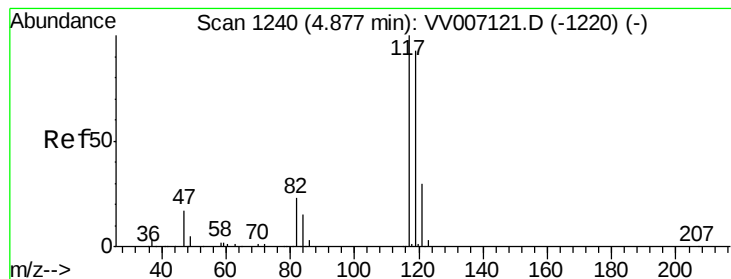
Tot Ion	Ratio	Lower	Upper
56	100		
69	30.2	24.5	36.7
84	85.1	69.0	103.6



#30
1,1,1-Trichloroethane
Concen: 99.955 ug/L
RT: 4.66 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VV007122.D
Acq: 22 Aug 2018 15:24

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.3	76.9
61	43.2	34.8	52.2





#31

Carbon tetrachloride

Concen: 100.036 ug/L

RT: 4.87 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VV007122.D

Acq: 22 Aug 2018 15:24

Instrument :

MSVOA_V

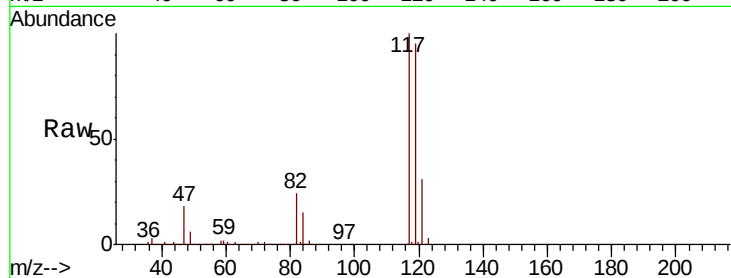
ClientSampled :

Tot Ion:117 Resp: 578405

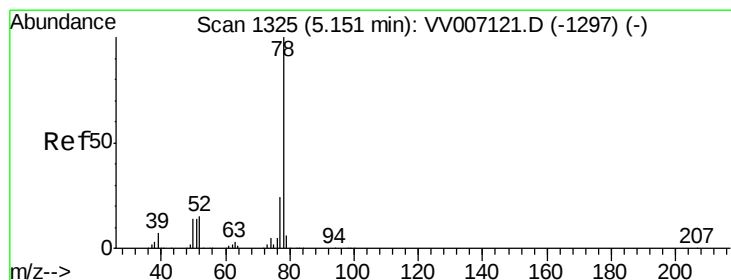
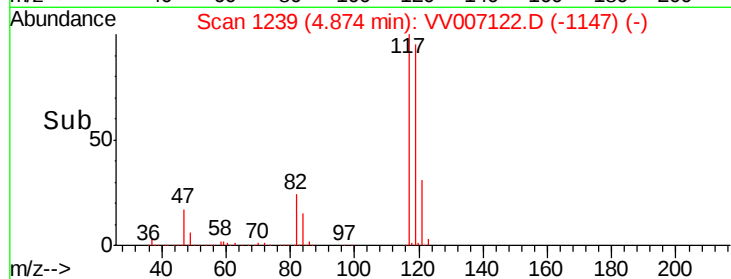
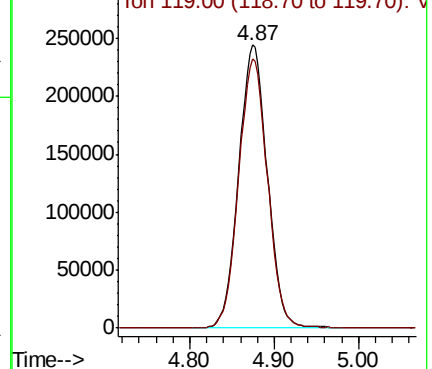
Ion Ratio Lower Upper

117 100

119 95.7 77.4 116.2



Abundance Ion 117.00 (116.70 to 117.70): V



#33

Benzene

Concen: 116.314 ug/L

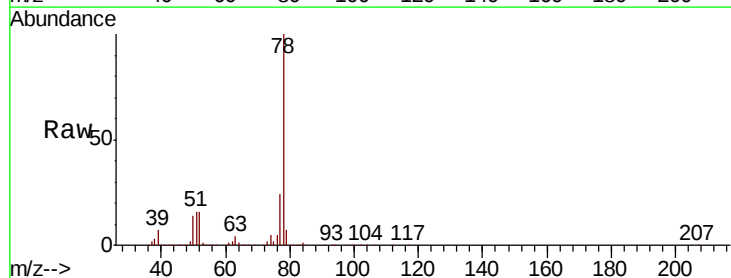
RT: 5.15 min Scan# 1325

Delta R.T. 0.00 min

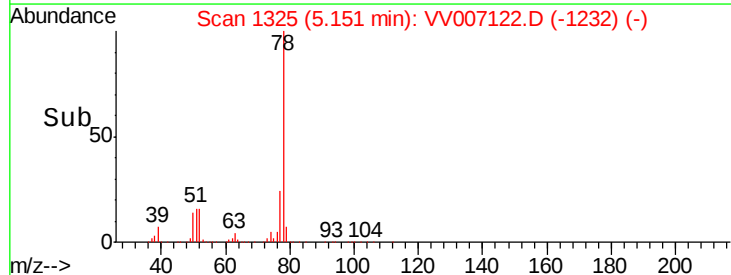
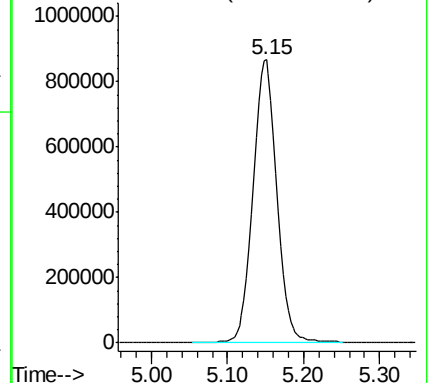
Lab File: VV007122.D

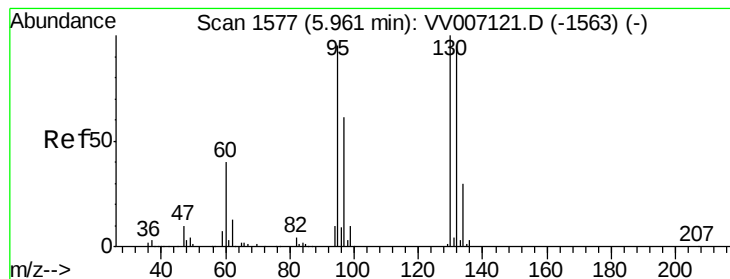
Acq: 22 Aug 2018 15:24

Tgt Ion: 78 Resp: 1903065



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 104.220 ug/L

RT: 5.96 min Scan# 1577

Delta R.T. 0.00 min

Lab File: VV007122.D

Acq: 22 Aug 2018 15:24

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 95 Resp: 434619

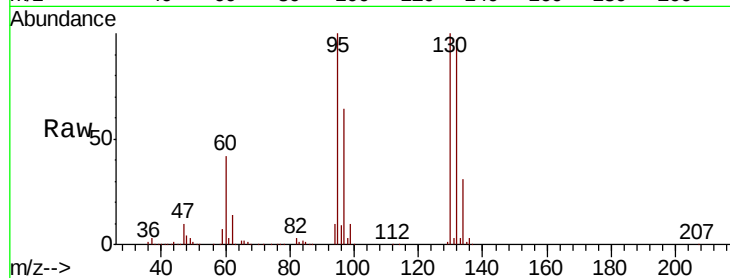
Ion Ratio Lower Upper

95 100

97 64.3 45.1 83.9

132 97.7 69.7 129.4

130 100.4 73.6 136.6

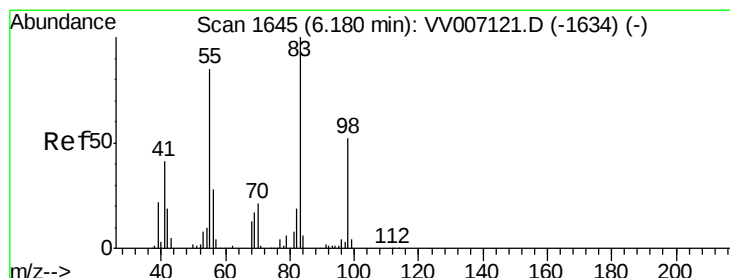
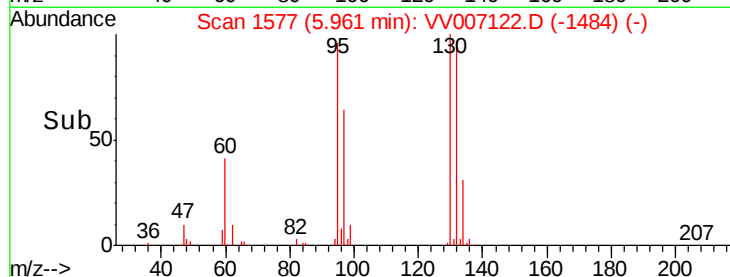
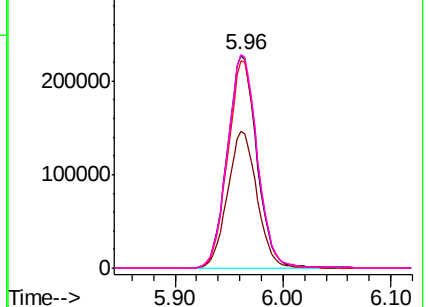


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 122.611 ug/L

RT: 6.18 min Scan# 1645

Delta R.T. 0.00 min

Lab File: VV007122.D

Acq: 22 Aug 2018 15:24

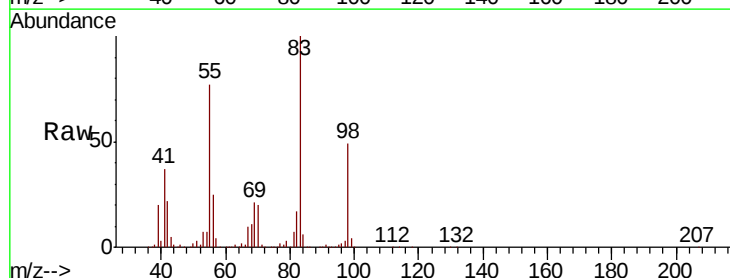
Tgt Ion: 83 Resp: 775555

Ion Ratio Lower Upper

83 100

55 77.7 65.5 98.3

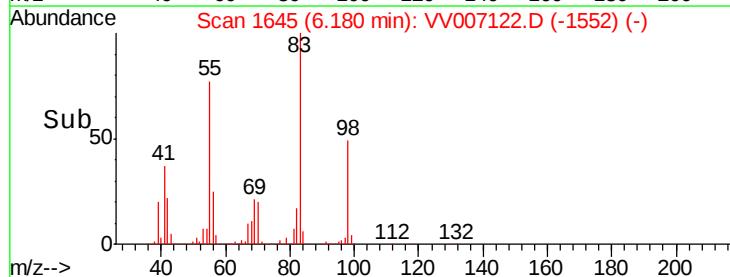
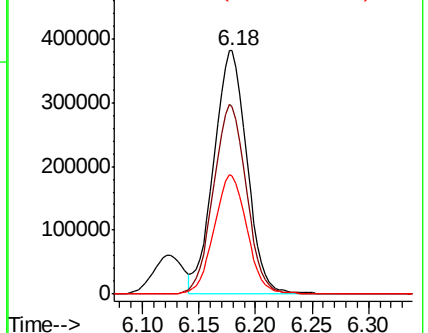
98 48.6 39.2 58.8

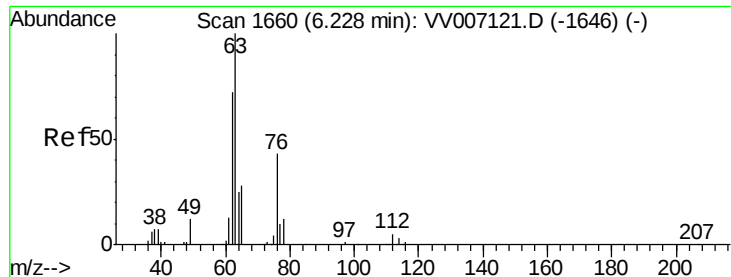


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 110.266 ug/L

RT: 6.23 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VV007122.D

Acq: 22 Aug 2018 15:24

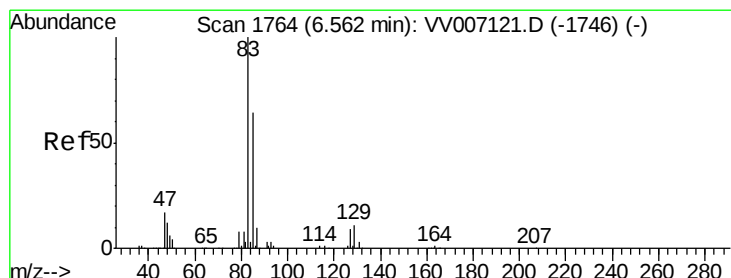
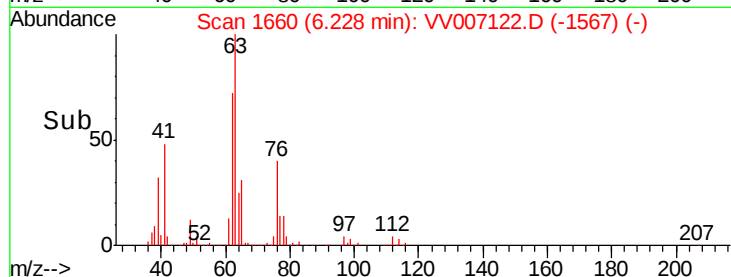
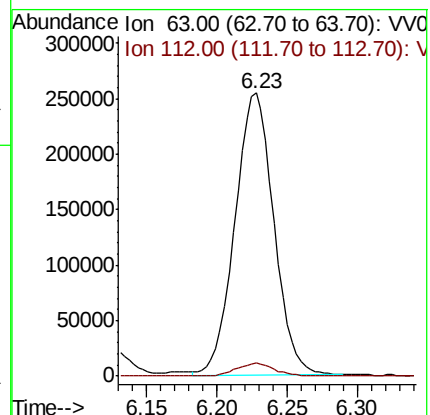
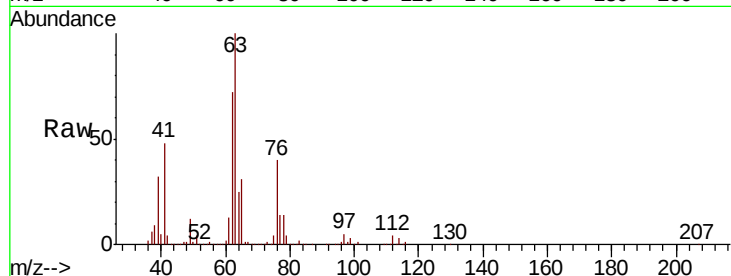
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 63 Resp: 489303

Ion Ratio Lower Upper

63 100

112 4.4 4.0 6.0



#38

Bromodichloromethane

Concen: 104.916 ug/L

RT: 6.56 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VV007122.D

Acq: 22 Aug 2018 15:24

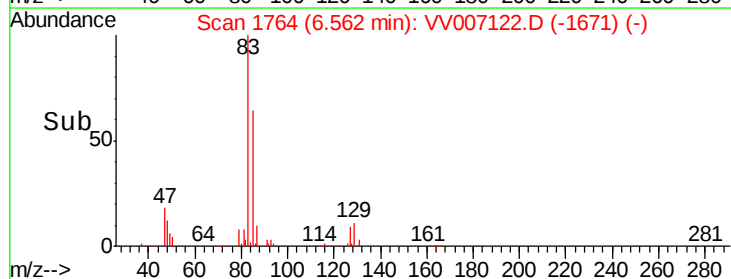
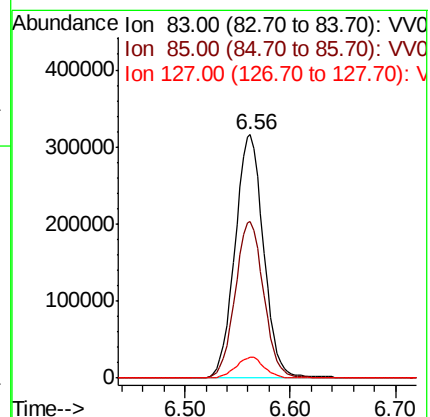
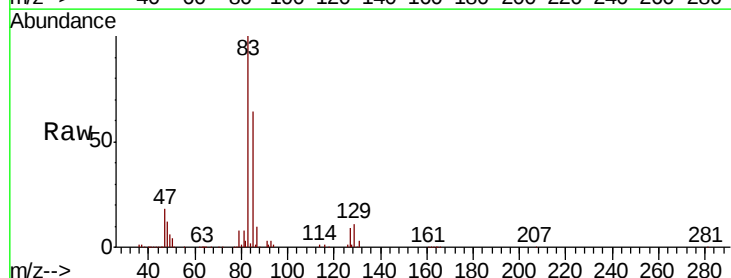
Tgt Ion: 83 Resp: 591237

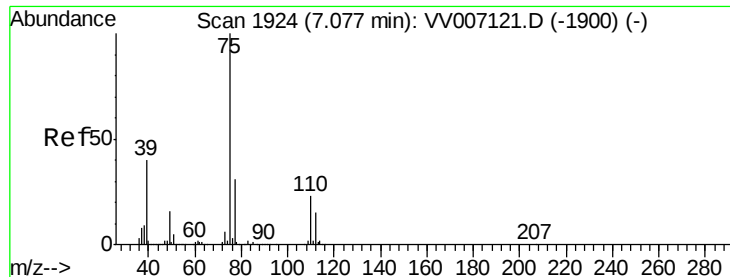
Ion Ratio Lower Upper

83 100

85 64.2 44.9 83.3

127 8.7 7.0 10.4



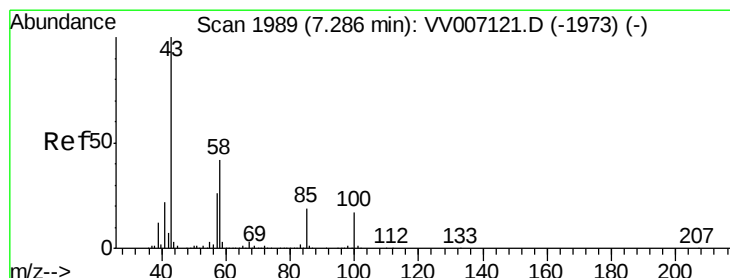
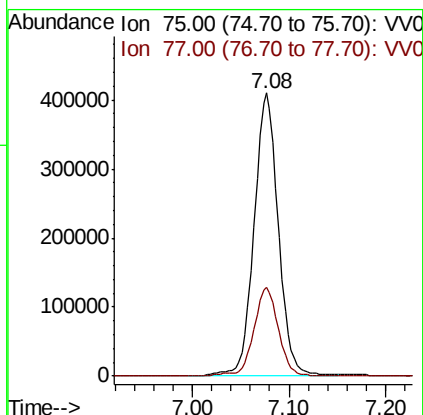
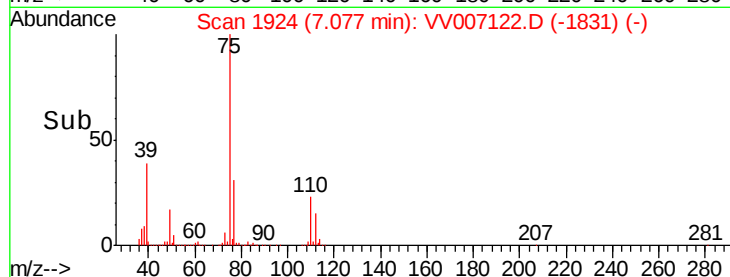
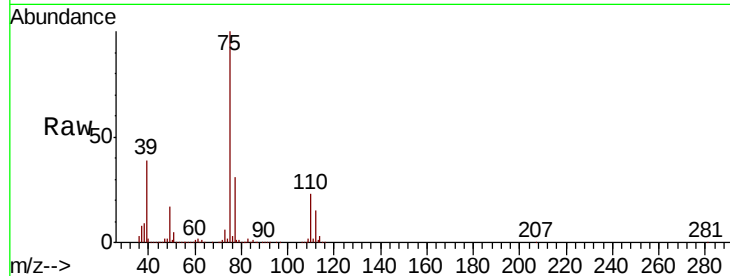


#39

cis-1,3-Dichloropropene
 Concen: 114.021 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV007122.D
 Acq: 22 Aug 2018 15:24

Instrument :
 MSVOA_V
 ClientSampleId :

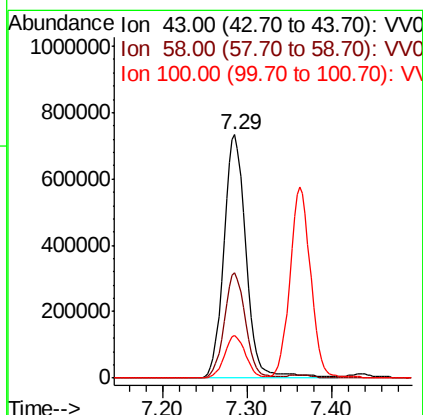
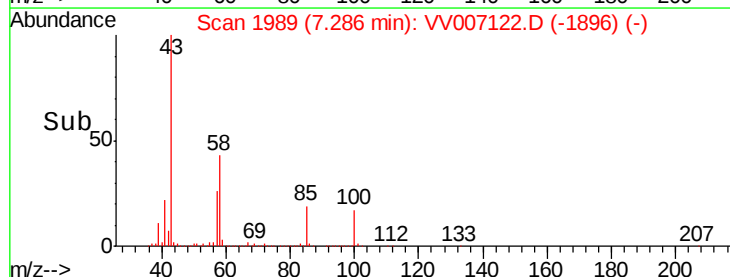
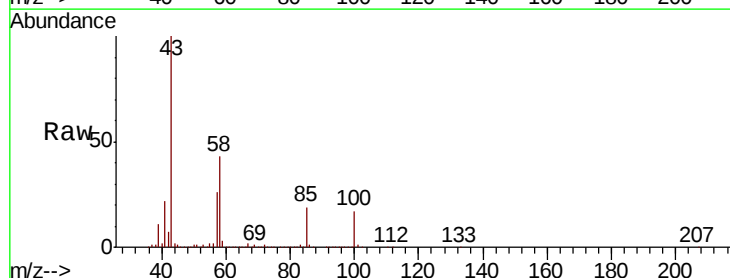
Tot Ion: 75 Resp: 716766
 Ion Ratio Lower Upper
 75 100
 77 31.5 21.8 40.4

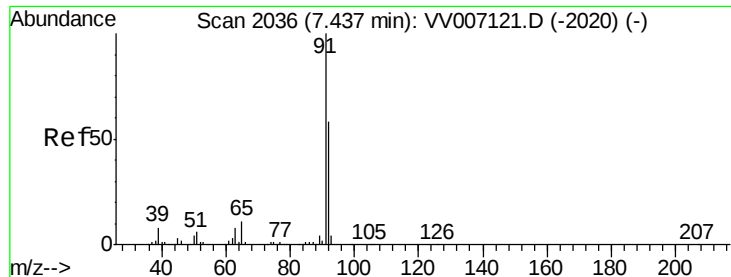


#40

4-Methyl-2-pentanone
 Concen: 209.423 ug/L
 RT: 7.29 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VV007122.D
 Acq: 22 Aug 2018 15:24

Tgt Ion: 43 Resp: 1343231
 Ion Ratio Lower Upper
 43 100
 58 41.1 33.4 50.0
 100 16.6 13.1 19.7





#42

Toluene

Concen: 110.498 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV007122.D

Acq: 22 Aug 2018 15:24

Instrument :

MSVOA_V

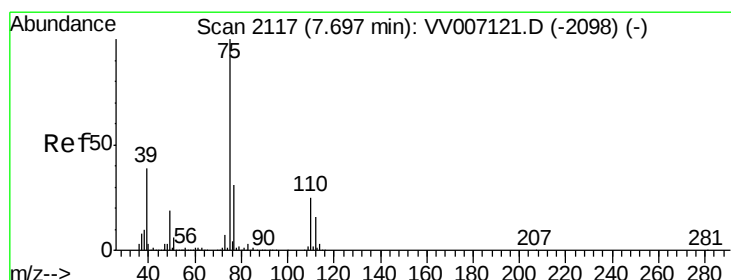
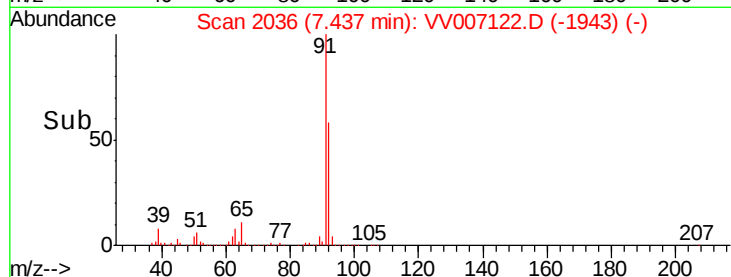
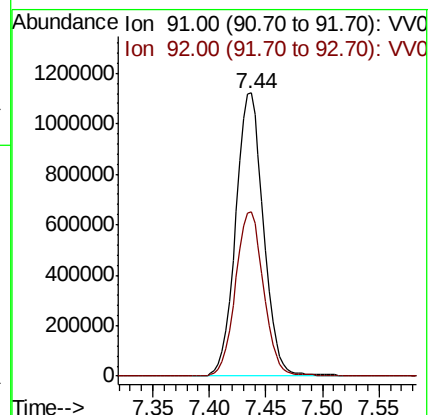
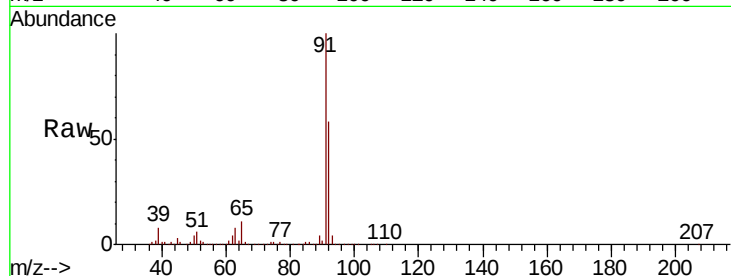
ClientSampleId :

Tot Ion: 91 Resp: 1919555

Ion Ratio Lower Upper

91 100

92 58.3 40.9 75.9



#44

trans-1,3-Dichloropropene

Concen: 109.507 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV007122.D

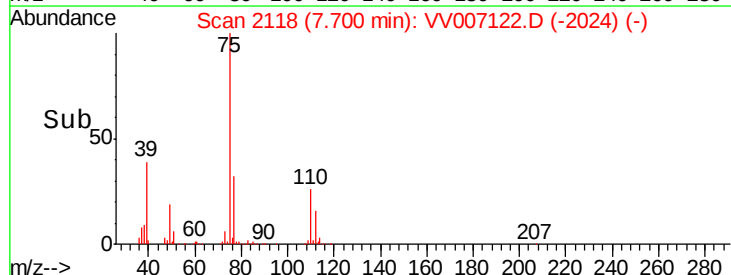
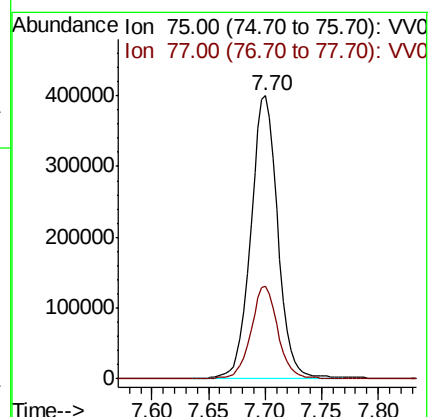
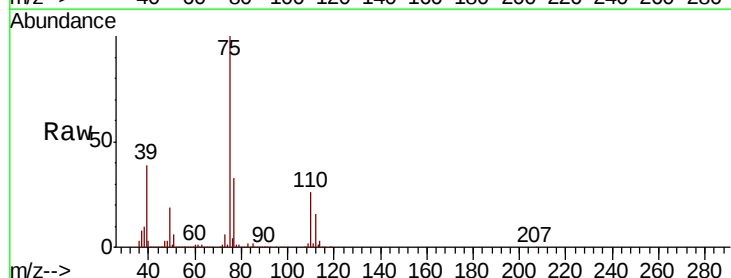
Acq: 22 Aug 2018 15:24

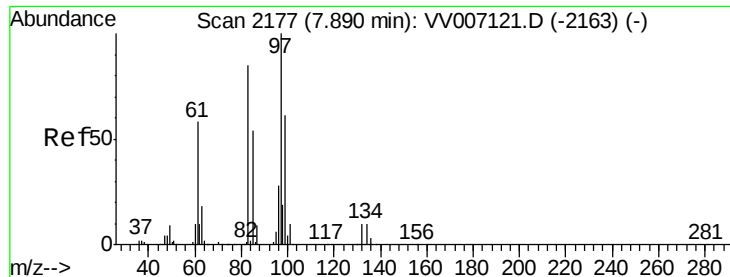
Tgt Ion: 75 Resp: 664462

Ion Ratio Lower Upper

75 100

77 32.6 22.0 41.0

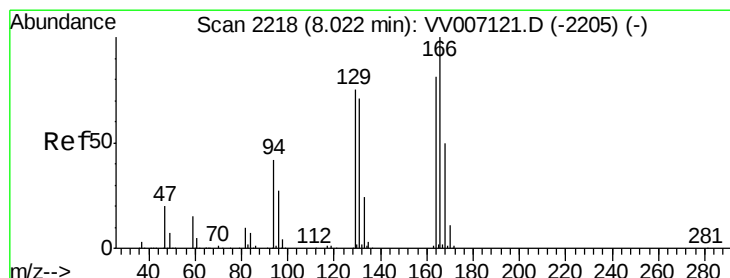
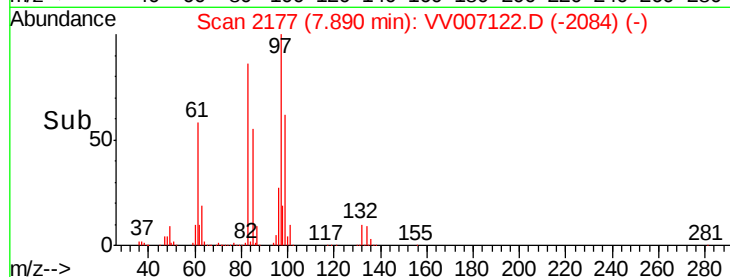
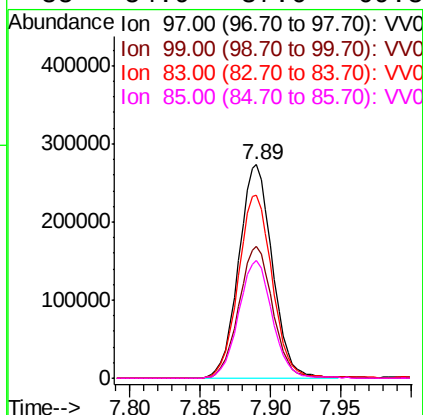
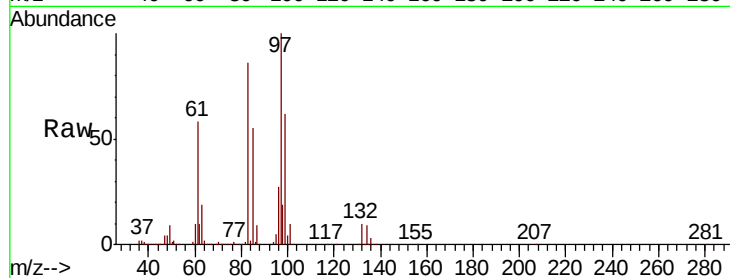




#45
 1,1,2-Trichloroethane
 Concen: 108.110 ug/L
 RT: 7.89 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VV007122.D
 Acq: 22 Aug 2018 15:24

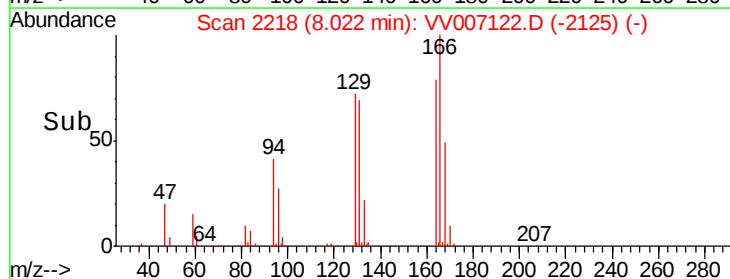
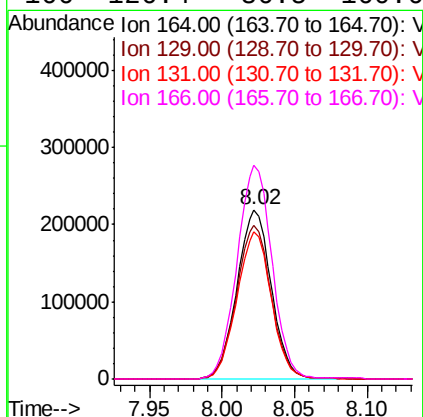
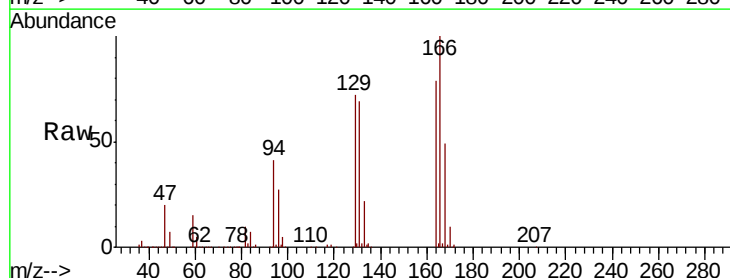
Instrument :
 MSVOA_V
 ClientSampleId :

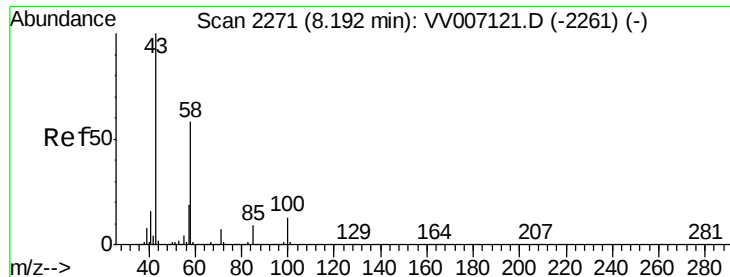
Tot Ion:	97	Resp:	457123
Ion	Ratio	Lower	Upper
97	100		
99	61.7	42.8	79.4
83	85.7	59.6	110.8
85	54.9	37.6	69.8



#46
 Tetrachloroethene
 Concen: 110.525 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VV007122.D
 Acq: 22 Aug 2018 15:24

Tgt Ion:	164	Resp:	361325
Ion	Ratio	Lower	Upper
164	100		
129	90.8	64.5	119.9
131	86.8	61.7	114.7
166	126.4	86.5	160.6

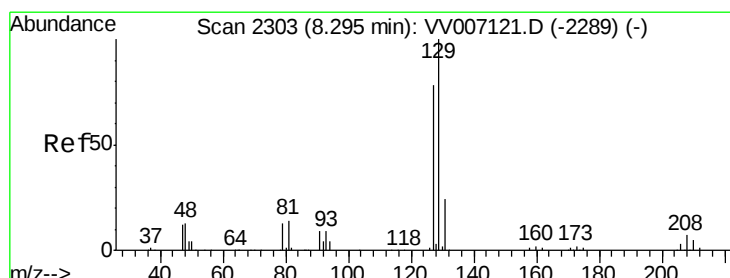
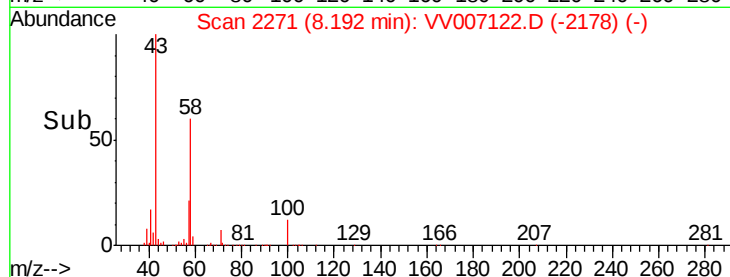
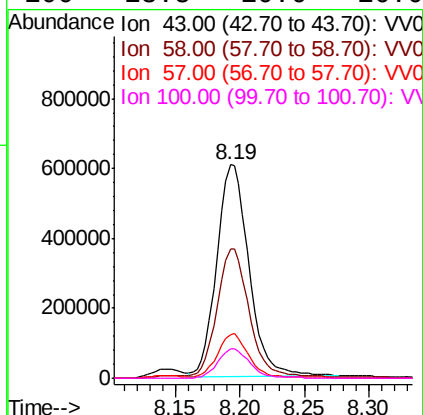
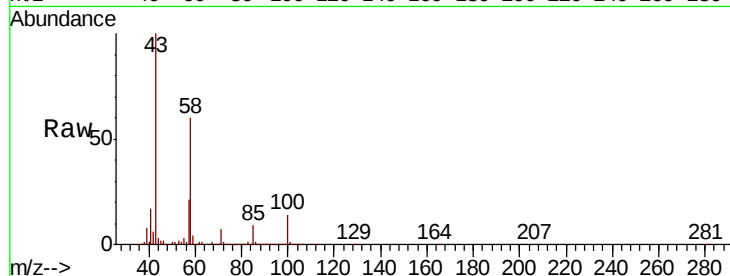




#48
2-Hexanone
Concen: 198.610 ug/L
RT: 8.19 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV007122.D
Acq: 22 Aug 2018 15:24

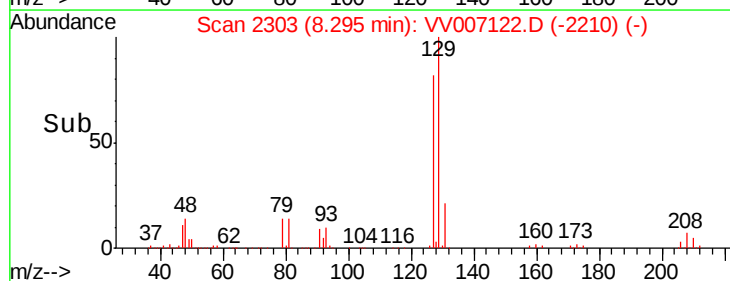
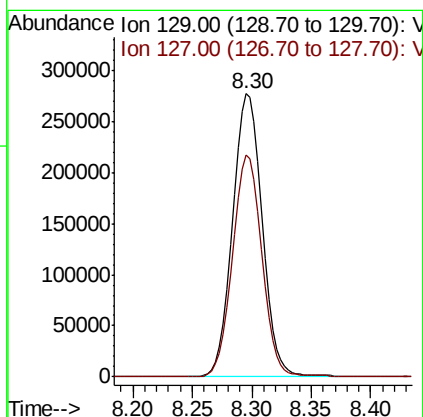
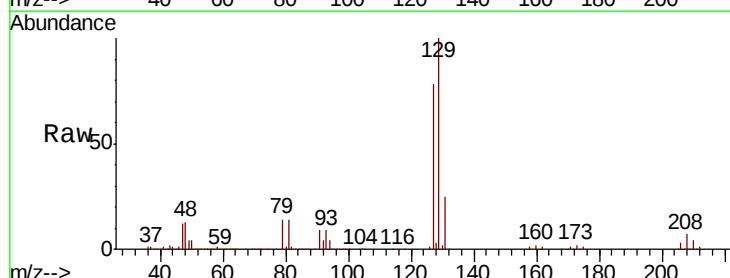
Instrument :
MSVOA_V
ClientSampleId :

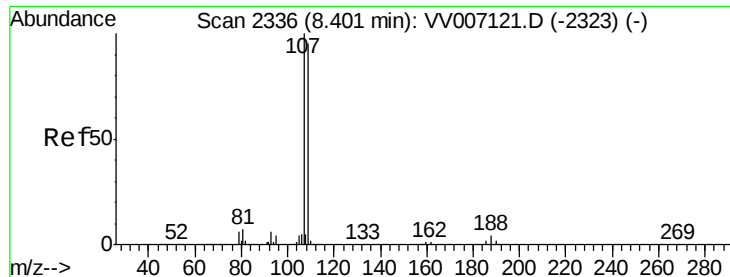
Tot Ion: 43 Resp: 1052743
Ion Ratio Lower Upper
43 100
58 62.3 47.9 71.9
57 21.0 15.8 23.8
100 13.8 10.6 16.0



#49
Dibromochloromethane
Concen: 110.454 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VV007122.D
Acq: 22 Aug 2018 15:24

Tgt Ion: 129 Resp: 478778
Ion Ratio Lower Upper
129 100
127 78.3 54.3 100.8

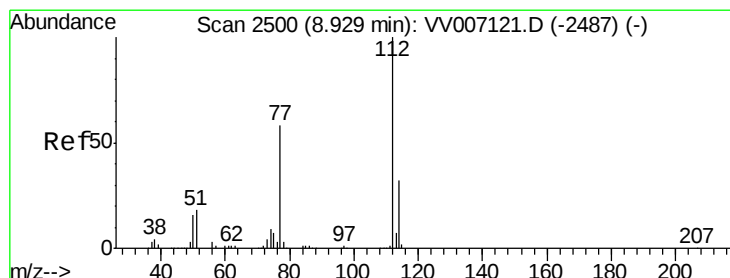
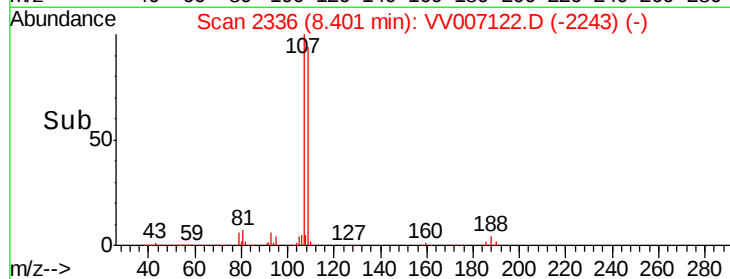
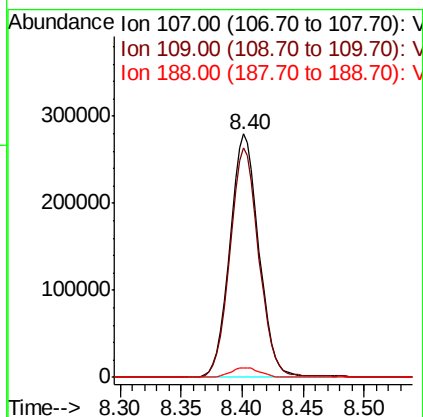
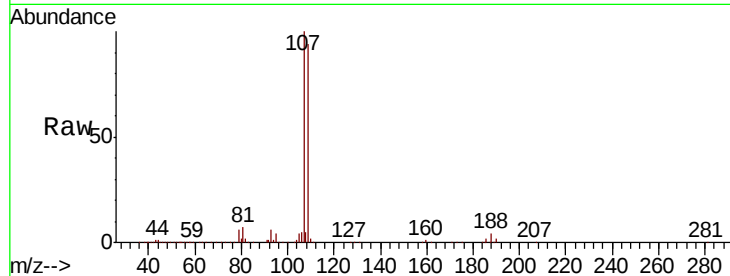




#50
 1,2-Dibromoethane
 Concen: 106.038 ug/L
 RT: 8.40 min Scan# 2336
 Delta R.T. 0.00 min
 Lab File: VV007122.D
 Acq: 22 Aug 2018 15:24

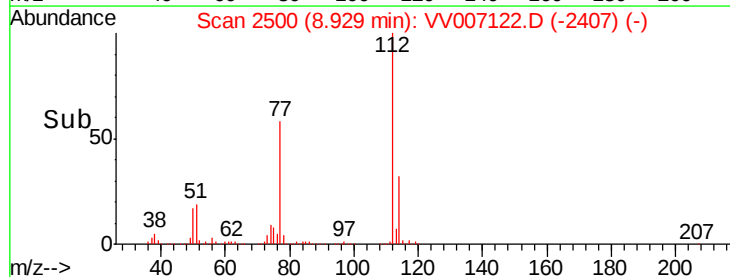
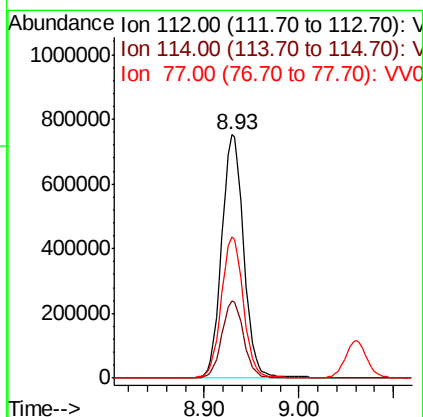
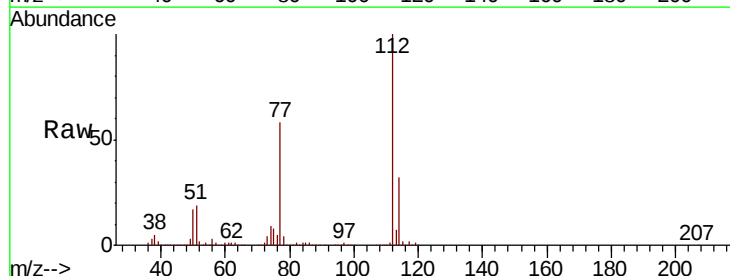
Instrument :
 MSVOA_V
 ClientSampleId :

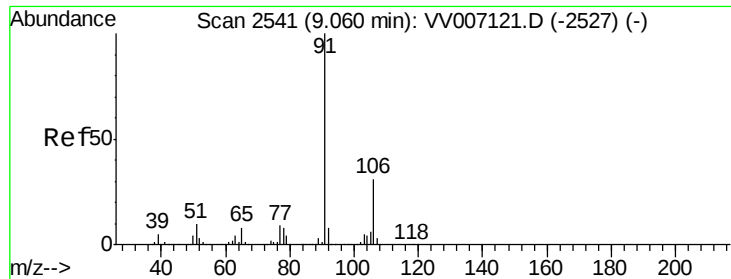
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.4	66.5	123.5
188	4.1	3.3	4.9



#51
 Chlorobenzene
 Concen: 105.802 ug/L
 RT: 8.93 min Scan# 2500
 Delta R.T. 0.00 min
 Lab File: VV007122.D
 Acq: 22 Aug 2018 15:24

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.9	22.3	41.3
77	58.3	46.6	70.0





#52

Ethylbenzene

Concen: 105.201 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV007122.D

Acq: 22 Aug 2018 15:24

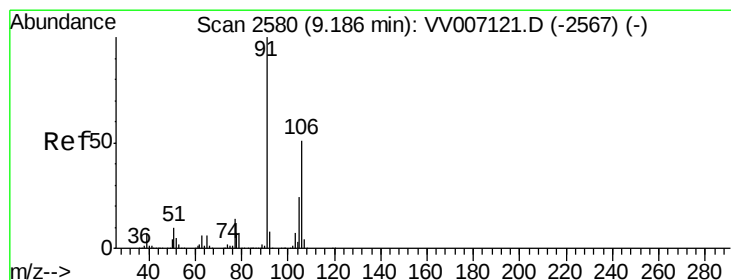
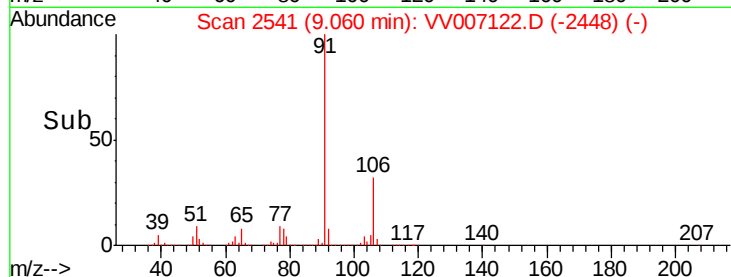
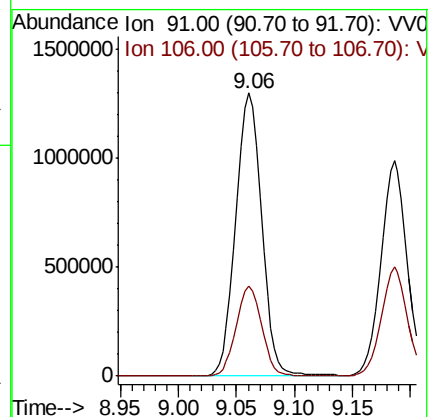
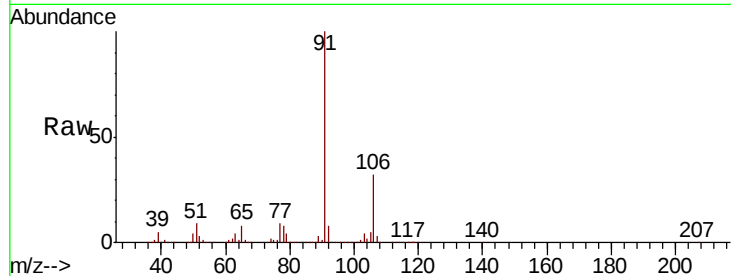
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 2019370

Ion Ratio Lower Upper

91 100

106 31.8 21.4 39.8



#53

m,p-Xylene

Concen: 111.686 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV007122.D

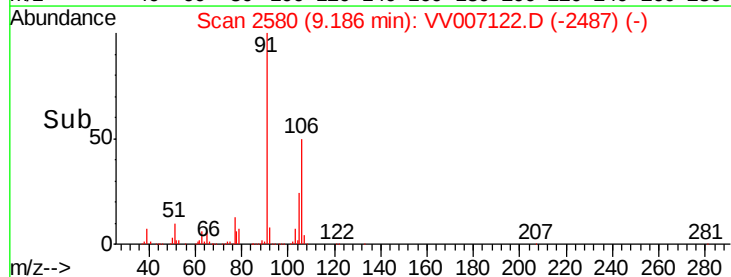
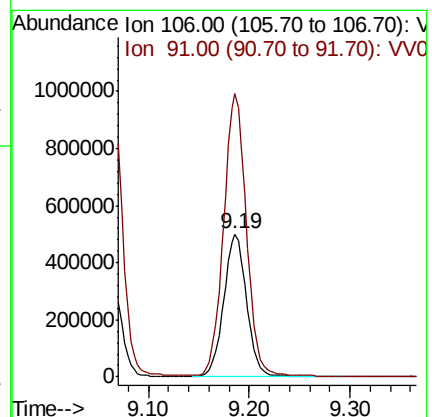
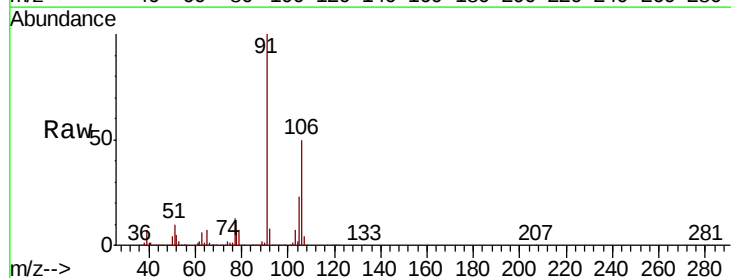
Acq: 22 Aug 2018 15:24

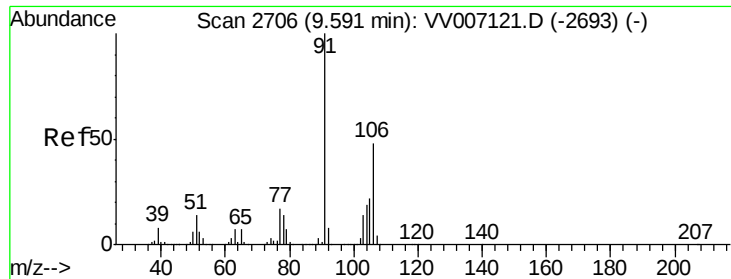
Tgt Ion:106 Resp: 789245

Ion Ratio Lower Upper

106 100

91 198.5 138.7 257.5





#54

o-xylene

Concen: 108.459 ug/L

RT: 9.59 min Scan# 2707

Delta R.T. 0.00 min

Lab File: VV007122.D

Acq: 22 Aug 2018 15:24

Instrument :

MSVOA_V

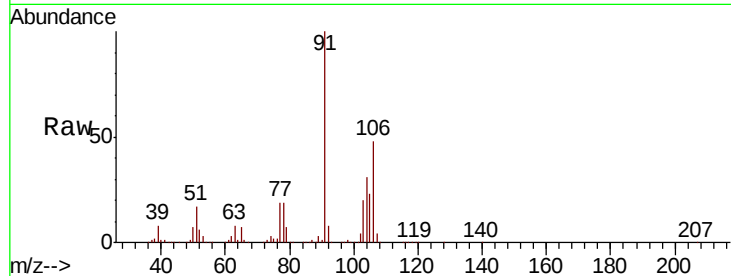
ClientSampled :

Tot Ion:106 Resp: 769173

Ion Ratio Lower Upper

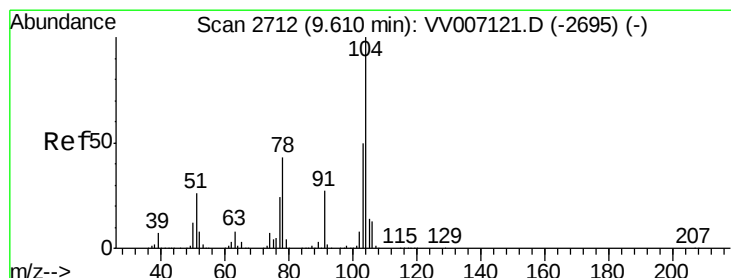
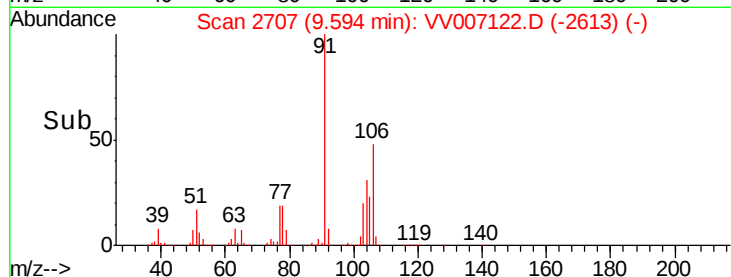
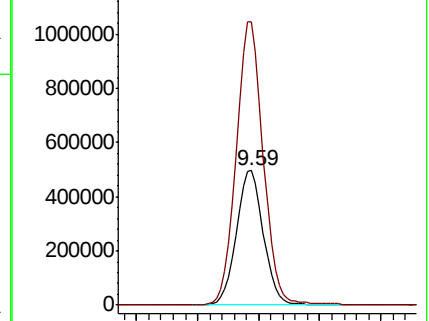
106 100

91 210.1 146.3 271.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 113.861 ug/L

RT: 9.61 min Scan# 2711

Delta R.T. -0.00 min

Lab File: VV007122.D

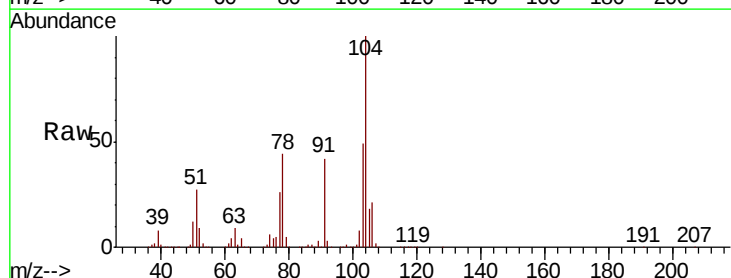
Acq: 22 Aug 2018 15:24

Tgt Ion:104 Resp: 1392296

Ion Ratio Lower Upper

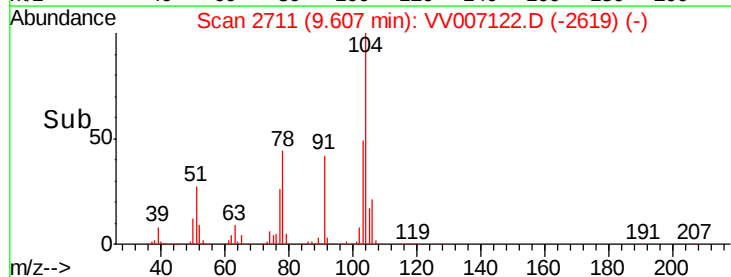
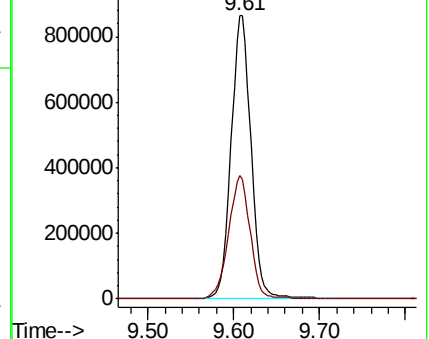
104 100

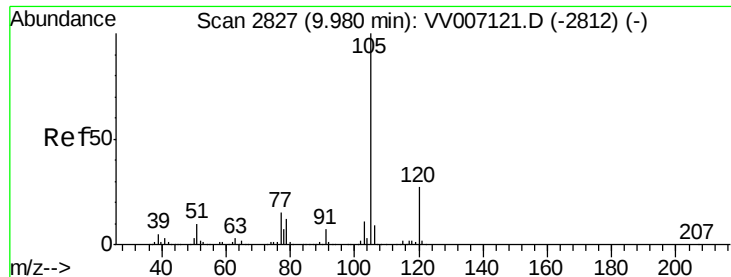
78 43.7 30.0 55.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 104.598 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV007122.D

Acq: 22 Aug 2018 15:24

Instrument :
MSVOA_V
ClientSampleId :

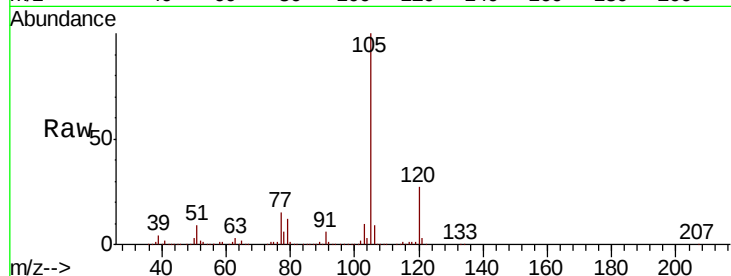
Tot Ion:105 Resp: 1977866

Ion Ratio Lower Upper

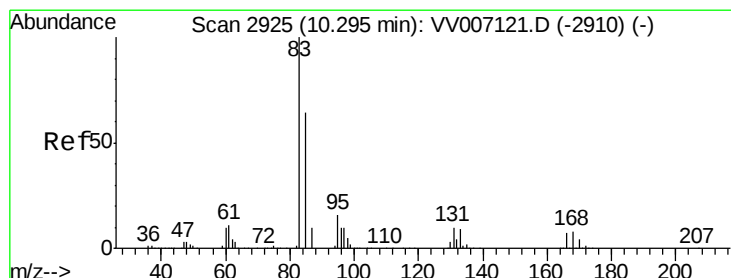
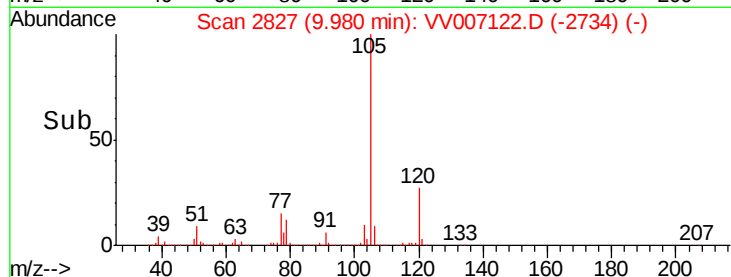
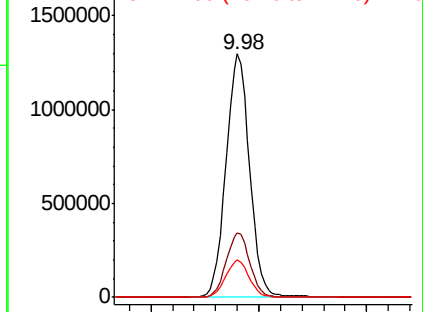
105 100

120 26.6 21.0 31.4

77 15.2 12.4 18.6



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: 112.900 ug/L

RT: 10.30 min Scan# 2925

Delta R.T. 0.00 min

Lab File: VV007122.D

Acq: 22 Aug 2018 15:24

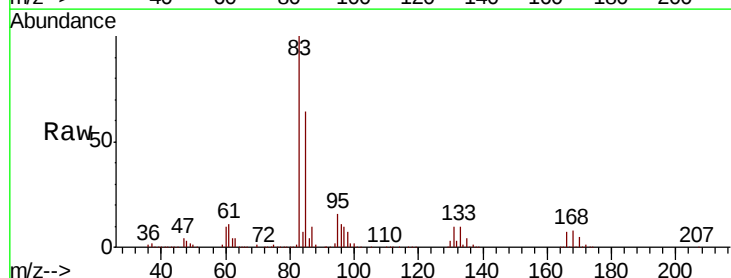
Tgt Ion: 83 Resp: 820690

Ion Ratio Lower Upper

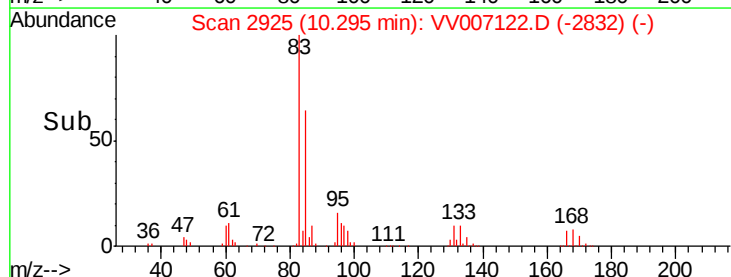
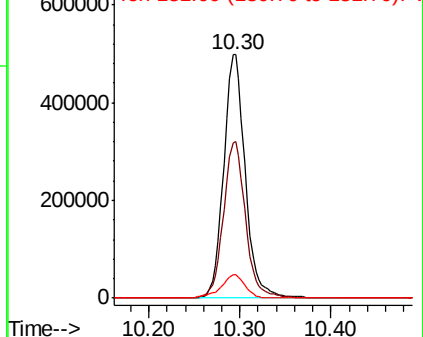
83 100

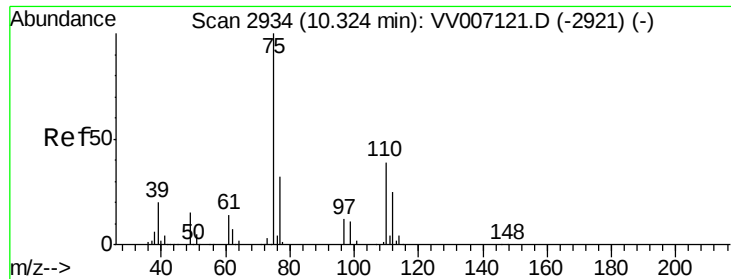
85 64.3 45.2 84.0

131 9.5 7.8 11.8



Abundance Ion 83.00 (82.70 to 83.70): V
Ion 85.00 (84.70 to 85.70): V
Ion 131.00 (130.70 to 131.70): V

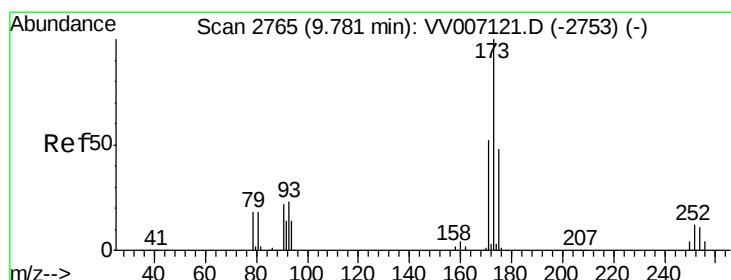
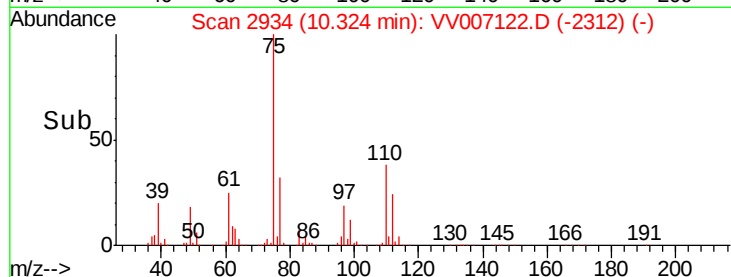
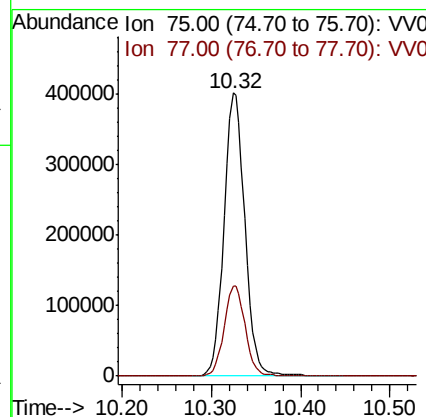
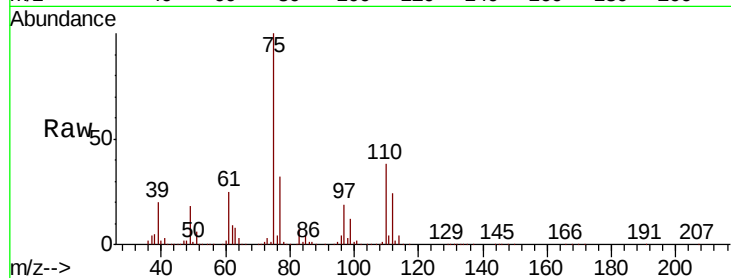




#59
 1,2,3-Trichloropropane
 Concen: 110.687 ug/L
 RT: 10.32 min Scan# 2934
 Delta R.T. 0.00 min
 Lab File: VV007122.D
 Acq: 22 Aug 2018 15:24

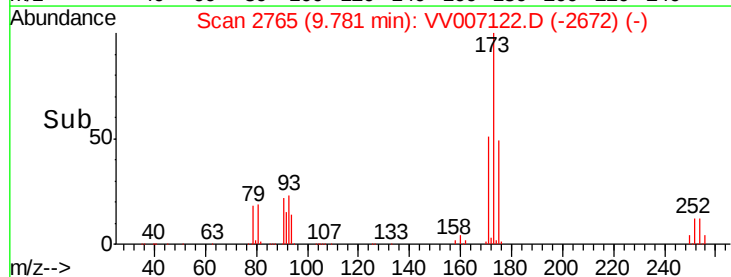
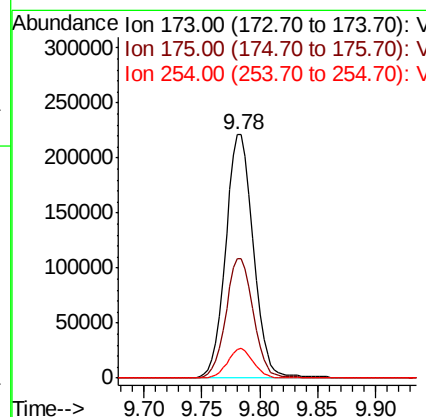
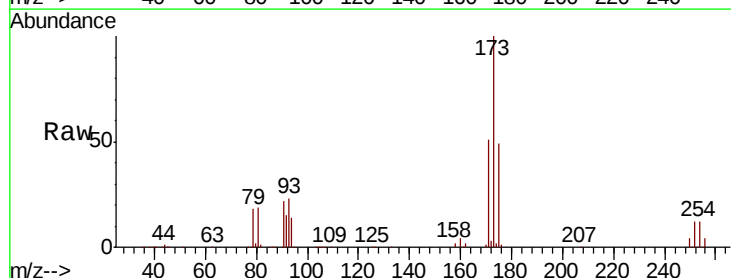
Instrument :
 MSVOA_V
 ClientSampled :

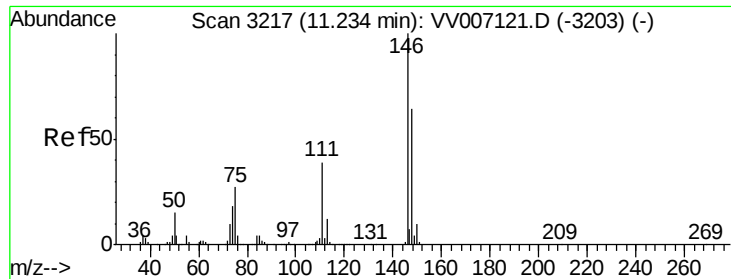
Tot Ion: 75 Resp: 651023
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.8 38.8



#61
 Bromoform
 Concen: 115.816 ug/L
 RT: 9.78 min Scan# 2765
 Delta R.T. 0.00 min
 Lab File: VV007122.D
 Acq: 22 Aug 2018 15:24

Tgt Ion: 173 Resp: 368381
 Ion Ratio Lower Upper
 173 100
 175 49.0 37.9 56.9
 254 11.3 9.2 13.8





#62

1,3-Dichlorobenzene

Concen: 101.401 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. -0.00 min

Lab File: VV007122.D

Acq: 22 Aug 2018 15:24

Instrument :

MSVOA_V

ClientSampleId :

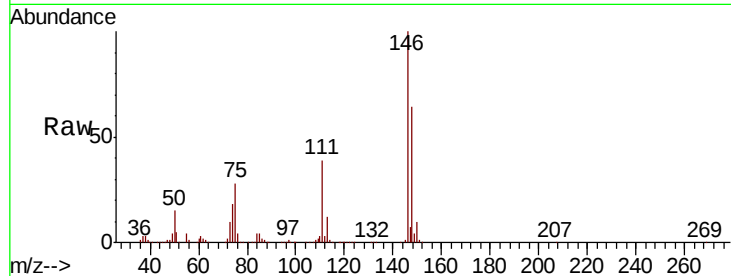
Tot Ion:146 Resp: 936690

Ion Ratio Lower Upper

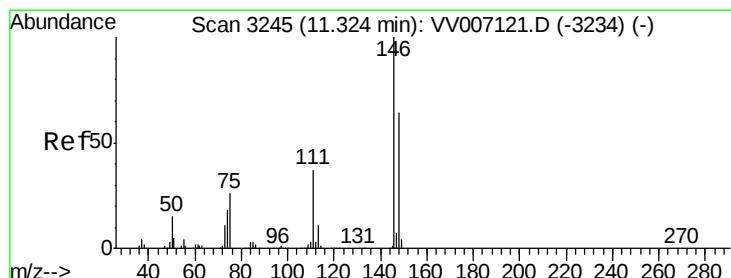
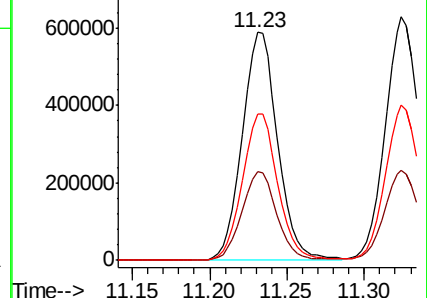
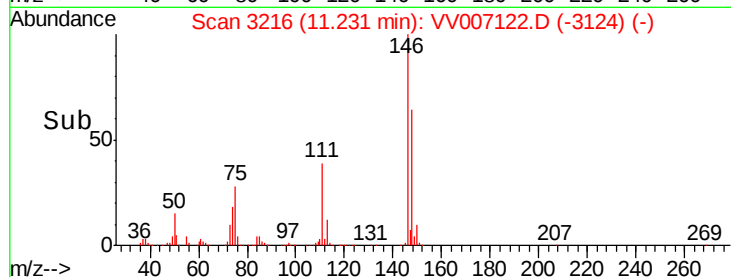
146 100

111 39.0 27.1 50.3

148 64.0 44.5 82.7



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: 99.942 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. 0.00 min

Lab File: VV007122.D

Acq: 22 Aug 2018 15:24

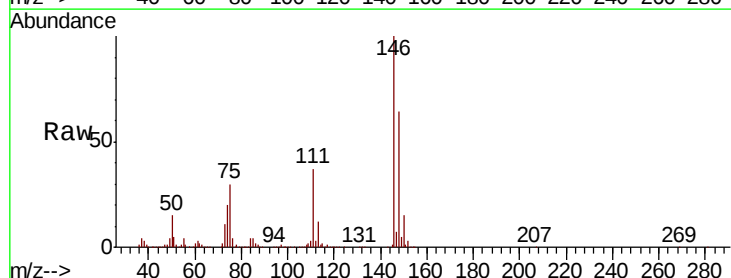
Tgt Ion:146 Resp: 994015

Ion Ratio Lower Upper

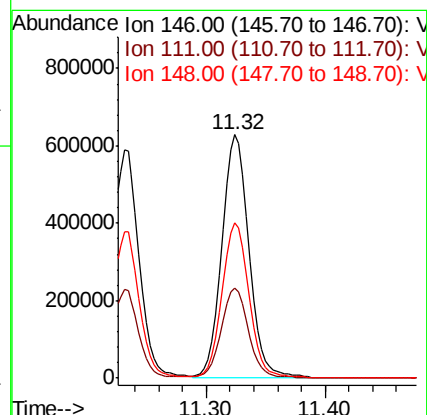
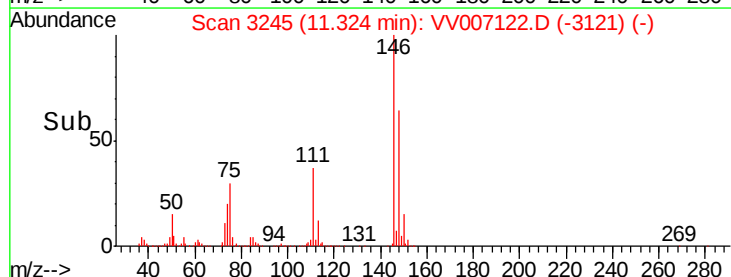
146 100

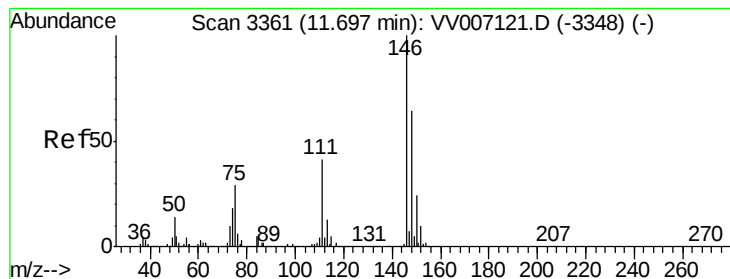
111 37.0 26.2 48.6

148 63.6 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: 102.499 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. 0.00 min

Lab File: VV007122.D

Acq: 22 Aug 2018 15:24

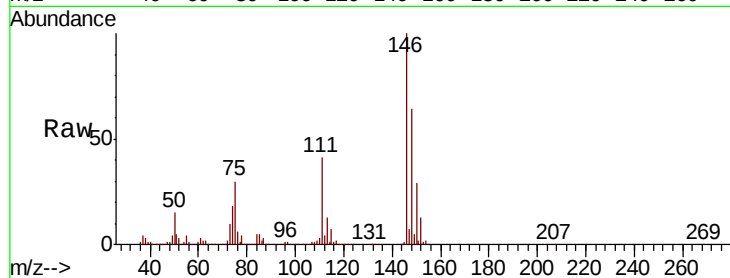
Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:146 Resp: 1027158

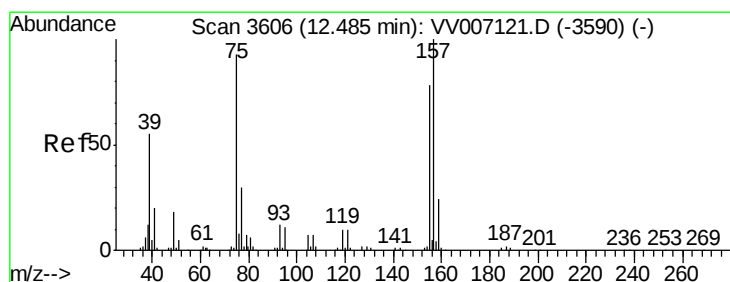
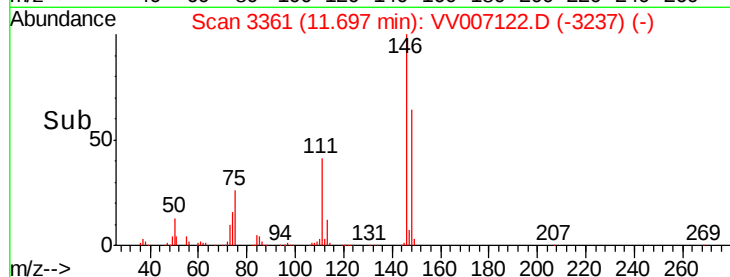
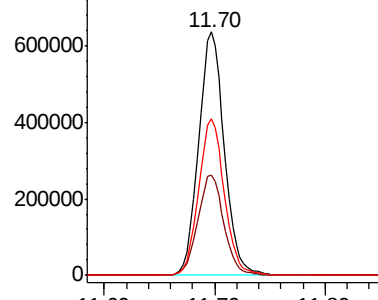
Ion	Ratio	Lower	Upper
146	100		
111	41.4	32.5	48.7
148	64.3	50.8	76.2



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



#66

1,2-Dibromo-3-chloropropane

Concen: 94.427 ug/L

RT: 12.48 min Scan# 3606

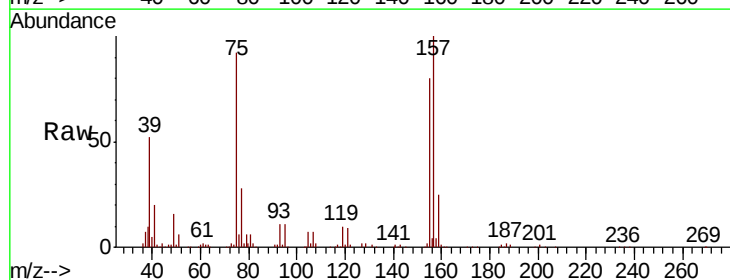
Delta R.T. 0.00 min

Lab File: VV007122.D

Acq: 22 Aug 2018 15:24

Tgt Ion: 75 Resp: 148834

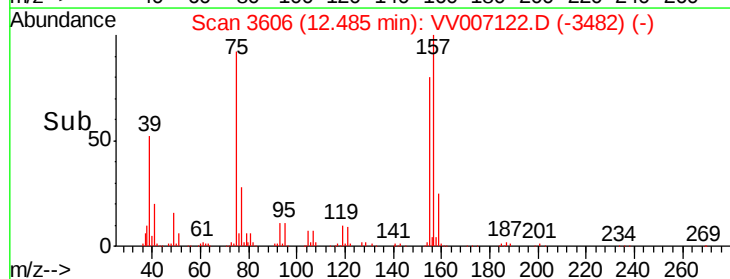
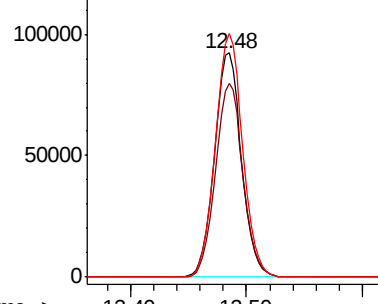
Ion	Ratio	Lower	Upper
75	100		
155	86.8	66.8	100.2
157	108.8	85.8	128.8

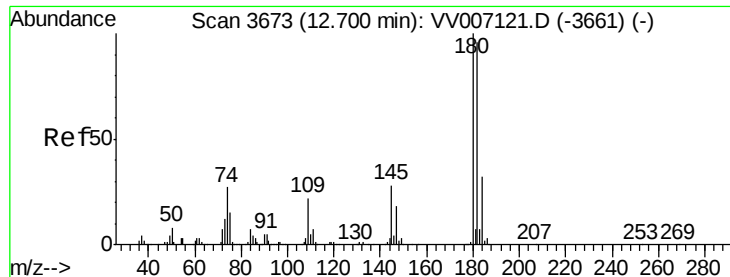


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

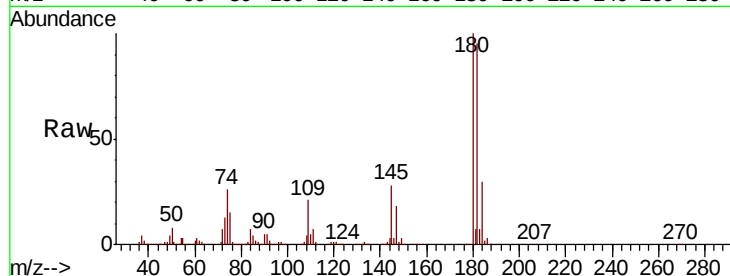




#67
 1,3,5-Trichlorobenzene
 Concen: 103.469 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. 0.00 min
 Lab File: VV007122.D
 Acq: 22 Aug 2018 15:24

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.4	114.6
184	30.3	24.6	37.0
145	28.0	22.6	33.8



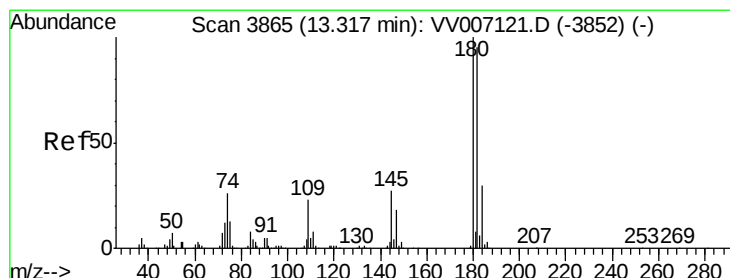
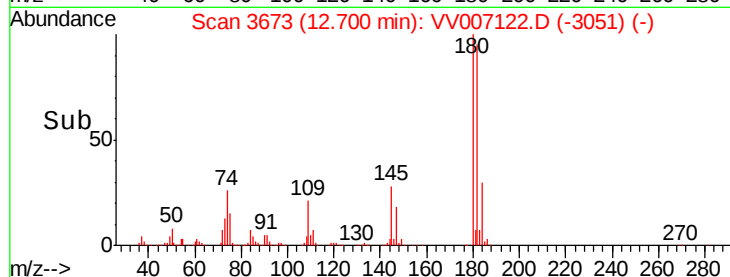
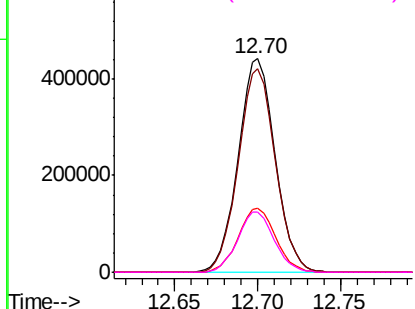
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

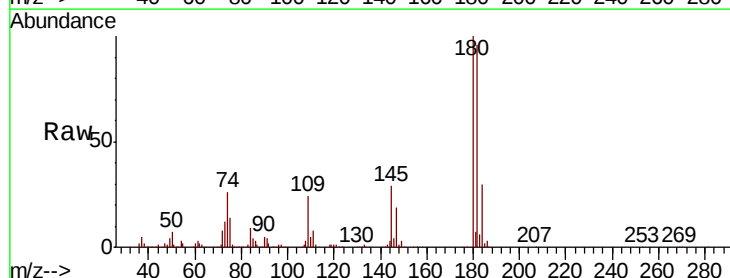
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 97.324 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. 0.00 min
 Lab File: VV007122.D
 Acq: 22 Aug 2018 15:24

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	77.0	115.6
145	28.9	22.7	34.1

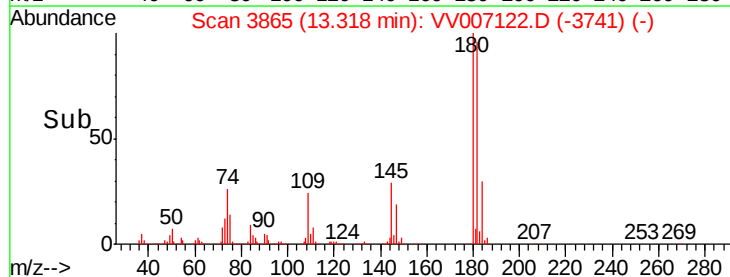
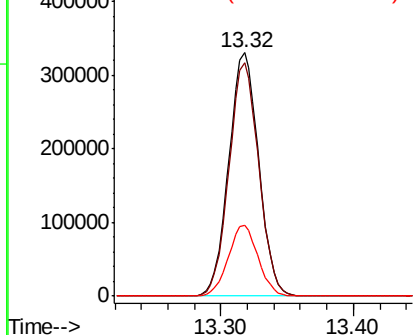


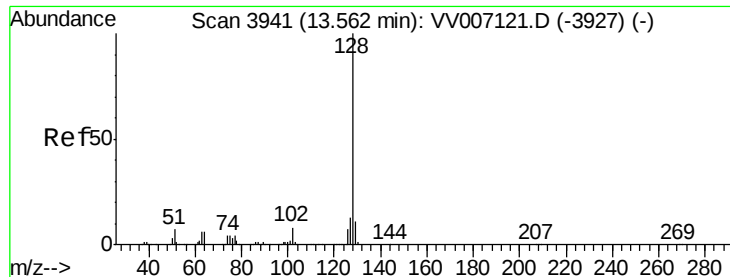
Abundance

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





#69

Naphthalene

Concen: 92.177 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. -0.00 min

Lab File: VV007122.D

Acq: 22 Aug 2018 15:24

Instrument :

MSVOA_V

ClientSampleId :

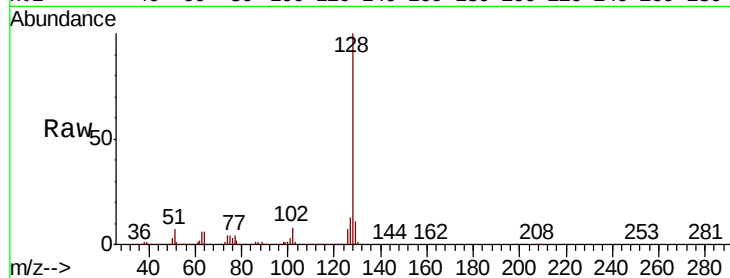
Tot Ion:128 Resp: 1501451

Ion Ratio Lower Upper

128 100

127 13.0 10.5 15.7

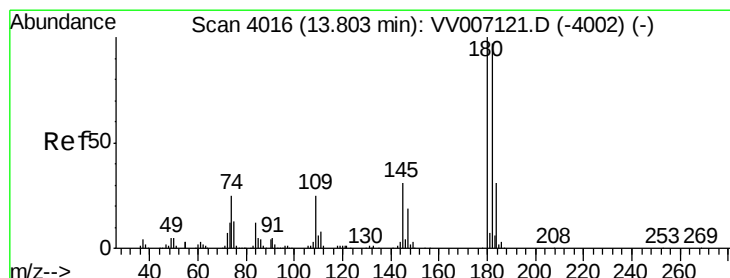
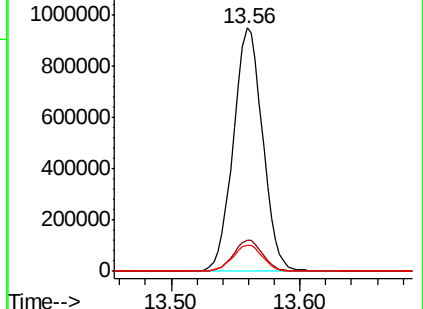
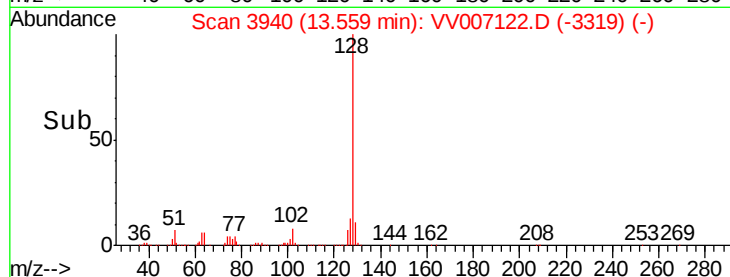
129 11.0 8.7 13.1



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: 102.062 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. -0.00 min

Lab File: VV007122.D

Acq: 22 Aug 2018 15:24

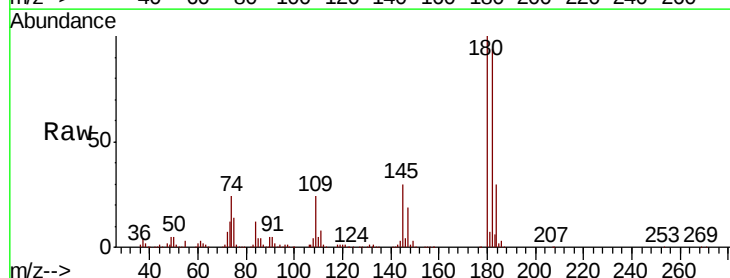
Tgt Ion:180 Resp: 580310

Ion Ratio Lower Upper

180 100

182 94.8 76.2 114.2

145 30.5 24.2 36.4



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

