

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080718\
 Data File : VV006906.D
 Acq On : 07 Aug 2018 19:02
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25 mL/MSVOA V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 08 07:01:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR080718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Aug 08 06:58:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	195002	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	180834	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	78924	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	60068	5.14	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.80%
7) Chloroethane-d5	1.58	69	55145	4.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.40%
11) 1,1-Dichloroethene-d2	2.13	63	121438	5.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	101.00%
20) 2-Butanone-d5	3.97	46	191699	51.38	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.76%
24) Chloroform-d	4.41	84	126898	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.40%
26) 1,2-Dichloroethane-d4	5.09	65	66811	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.20%
32) Benzene-d6	5.10	84	235037	5.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.20%
36) 1,2-Dichloropropane-d6	6.12	67	83839	5.21	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.20%
41) Toluene-d8	7.36	98	211131	5.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.20%
43) trans-1,3-Dichloropropene-	7.67	79	29146	5.61	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	112.20%
46) 2-Hexanone-d5	8.15	63	111108	51.45	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.90%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	63323	5.24	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.80%
64) 1,2-Dichlorobenzene-d4	11.68	152	66258	5.19	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	81154	5.133 ug/L	99
3) Chloromethane	1.25	50	97832	4.669 ug/L	99
5) Vinyl chloride	1.32	62	94131	5.135 ug/L	99
6) Bromomethane	1.54	94	23554	5.379 ug/L	99
8) Chloroethane	1.60	64	58373	5.054 ug/L	96
9) Trichlorofluoromethane	1.77	101	113528	5.080 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	67830	5.026 ug/L	99
12) 1,1-Dichloroethene	2.14	96	64946	5.035 ug/L	87
13) Acetone	2.21	43	119081	48.901 ug/L	99
14) Carbon disulfide	2.32	76	204802	5.168 ug/L	99
15) Methyl Acetate	2.47	43	32523	4.863 ug/L	96
16) Methylene chloride	2.54	84	75609	4.511 ug/L	98
17) Methyl tert-butyl Ether	2.82	73	170895	5.102 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	68997	4.926 ug/L	94
19) 1,1-Dichloroethane	3.23	63	140692	5.204 ug/L	100
21) 2-Butanone	4.06	43	207249	51.719 ug/L	100
22) cis-1,2-Dichloroethene	3.96	96	71416	5.096 ug/L	99

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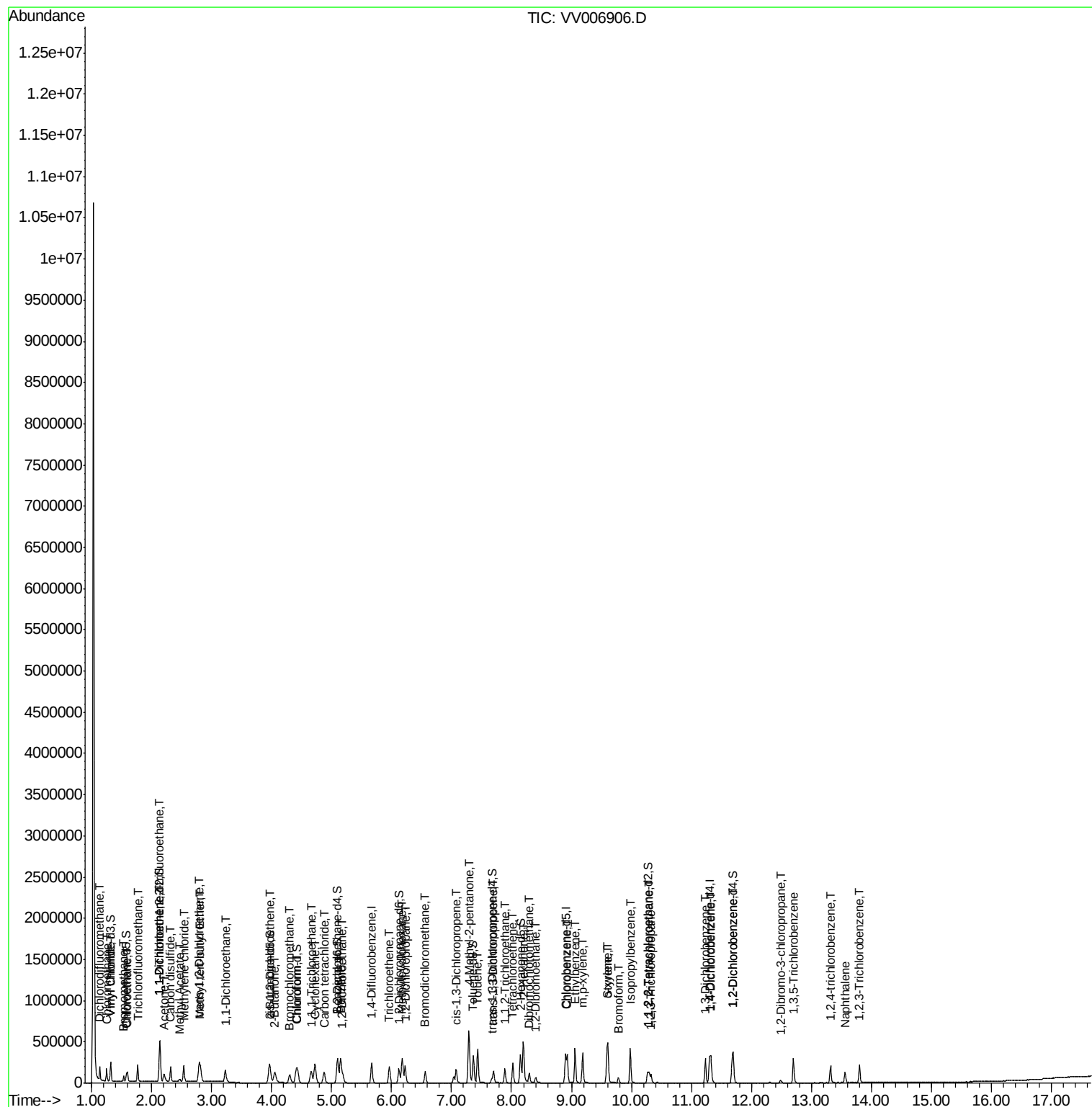
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.31	128	31002	5.376	ug/L	99
25) Chloroform	4.43	83	134771	5.134	ug/L	93
27) 1,2-Dichloroethane	5.19	62	84040	4.957	ug/L	100
29) 1,1,1-Trichloroethane	4.66	97	111442	5.198	ug/L	99
30) Cyclohexane	4.72	56	112625	5.269	ug/L	100
31) Carbon tetrachloride	4.88	117	91548	5.070	ug/L	97
33) Benzene	5.15	78	291952	5.235	ug/L	100
34) Trichloroethene	5.96	95	69272	5.338	ug/L	97
35) Methylcyclohexane	6.18	83	104517	5.188	ug/L	98
37) 1,2-Dichloropropane	6.23	63	81195	5.238	ug/L	99
38) Bromodichloromethane	6.56	83	91013	5.171	ug/L	99
39) cis-1,3-Dichloropropene	7.08	75	97043	5.476	ug/L	99
40) 4-Methyl-2-pentanone	7.29	43	455481	52.623	ug/L	99
42) Toluene	7.44	91	286407	5.479	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	77860	5.228	ug/L	95
45) 1,1,2-Trichloroethane	7.89	97	50651	5.209	ug/L	98
47) Tetrachloroethene	8.02	164	52452	5.313	ug/L	97
48) 2-Hexanone	8.20	43	339265	56.056	ug/L	100
49) Dibromochloromethane	8.30	129	54828	5.329	ug/L	99
50) 1,2-Dibromoethane	8.40	107	42983	5.281	ug/L	97
51) Chlorobenzene	8.93	112	172473	5.421	ug/L	96
52) Ethylbenzene	9.06	91	273031	5.294	ug/L	99
53) m,p-xylene	9.19	106	99342	5.353	ug/L	97
54) o-xylene	9.59	106	96169	5.285	ug/L	97
55) Styrene	9.61	104	158811	5.375	ug/L	100
56) Isopropylbenzene	9.98	105	255453	5.403	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	64759	5.136	ug/L	97
59) 1,2,3-Trichloropropane	10.33	75	45386	5.132	ug/L	98
61) Bromoform	9.78	173	27720	4.900	ug/L #	94
62) 1,3-Dichlorobenzene	11.23	146	118442	5.392	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	118038	5.443	ug/L	99
65) 1,2-Dichlorobenzene	11.70	146	116764	5.337	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	9160	4.800	ug/L	92
67) 1,3,5-Trichlorobenzene	12.70	180	92245	5.588	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	65894	5.657	ug/L	95
69) Naphthalene	13.56	128	99668	5.465	ug/L	98
70) 1,2,3-Trichlorobenzene	13.80	180	65204	5.655	ug/L	98

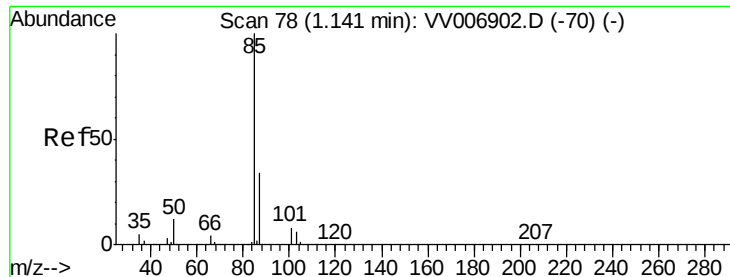
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.133 ug/L

RT: 1.14 min Scan# 77

Delta R.T. -0.00 min

Lab File: VV006906.D

Acq: 07 Aug 2018 19:02

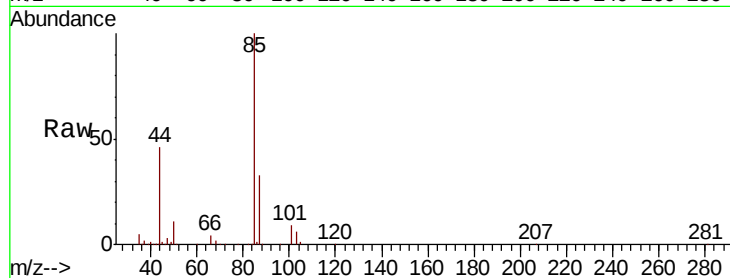
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 81154

Ion Ratio Lower Upper

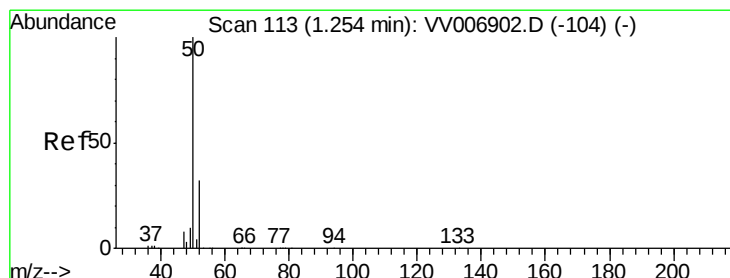
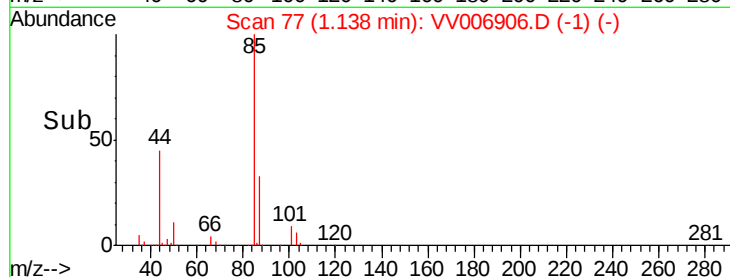
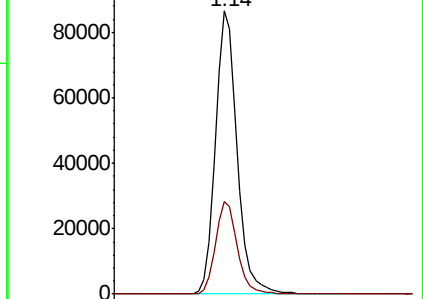
85 100

87 32.8 26.8 40.2



Abundance Ion 85.00 (84.70 to 85.70): VV006902.D (-70) (-)

Ion 87.00 (86.70 to 87.70): VV006902.D (-70) (-)



#3

Chloromethane

Concen: 4.669 ug/L

RT: 1.25 min Scan# 112

Delta R.T. -0.00 min

Lab File: VV006906.D

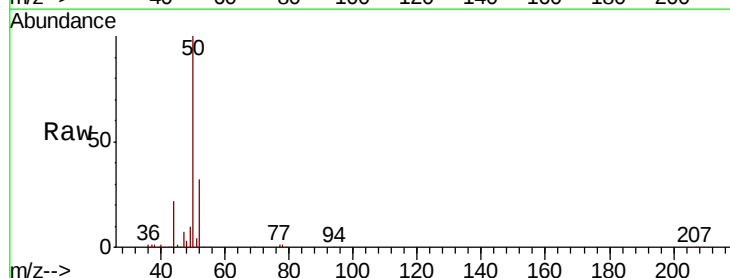
Acq: 07 Aug 2018 19:02

Tgt Ion: 50 Resp: 97832

Ion Ratio Lower Upper

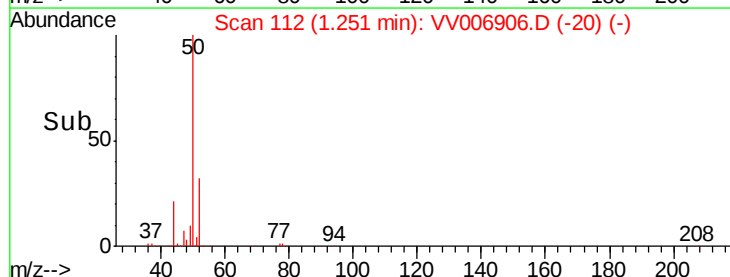
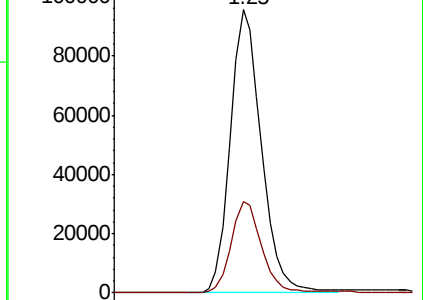
50 100

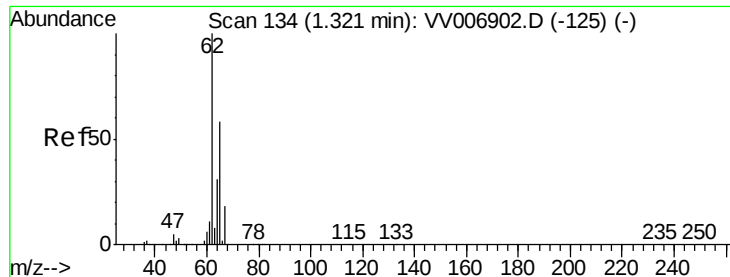
52 32.4 22.3 41.3



Abundance Ion 50.05 (49.75 to 50.75): VV006902.D (-104) (-)

Ion 52.05 (51.75 to 52.75): VV006902.D (-104) (-)





#5

Vinyl chloride

Concen: 5.135 ug/L

RT: 1.32 min Scan# 134

Delta R.T. 0.00 min

Lab File: VV006906.D

Acq: 07 Aug 2018 19:02

Instrument :

MSVOA_V

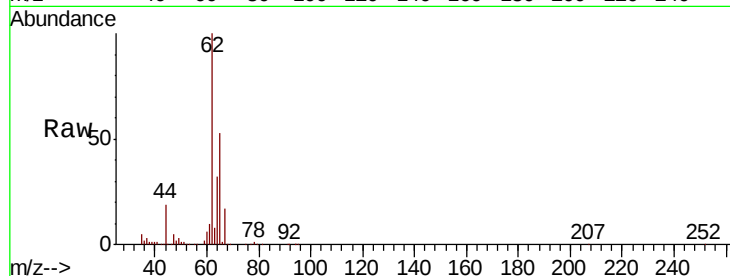
ClientSampled :

Tot Ion: 62 Resp: 94131

Ion Ratio Lower Upper

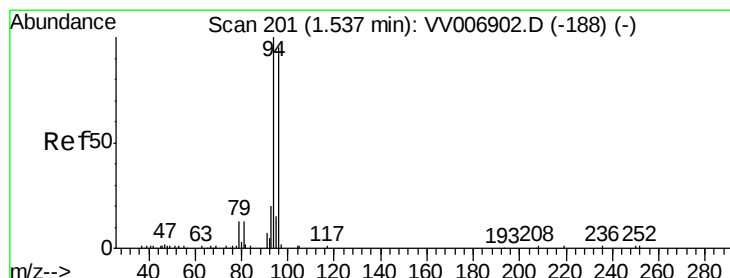
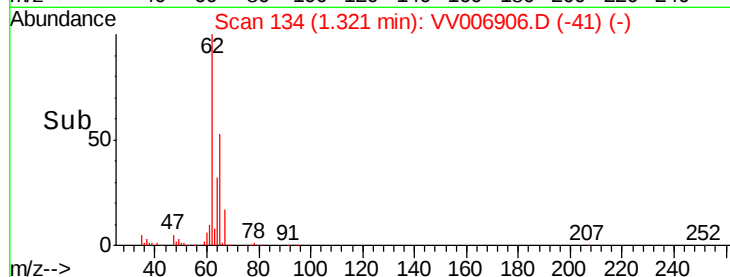
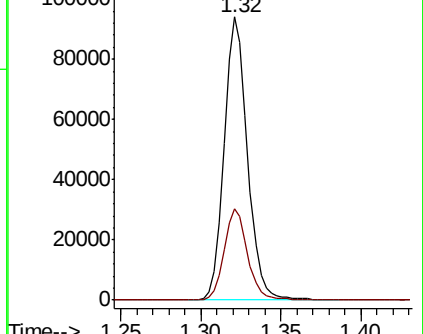
62 100

64 32.4 22.1 41.1



Abundance Ion 62.00 (61.70 to 62.70): VV006906.D (-125) (-)

Ion 64.10 (63.80 to 64.80): VV006906.D (-125) (-)



#6

Bromomethane

Concen: 5.379 ug/L

RT: 1.54 min Scan# 201

Delta R.T. 0.00 min

Lab File: VV006906.D

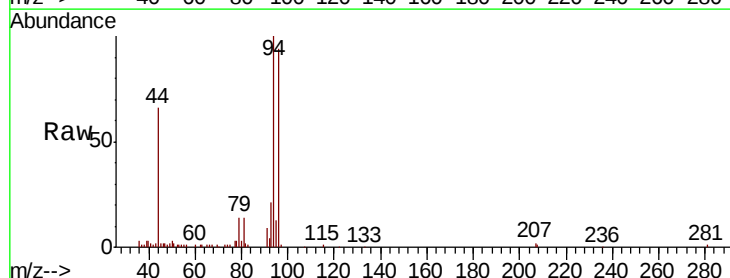
Acq: 07 Aug 2018 19:02

Tgt Ion: 94 Resp: 23554

Ion Ratio Lower Upper

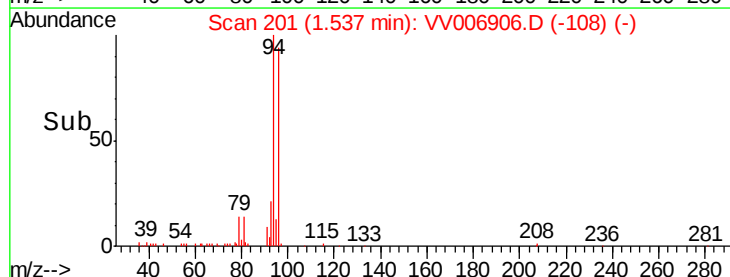
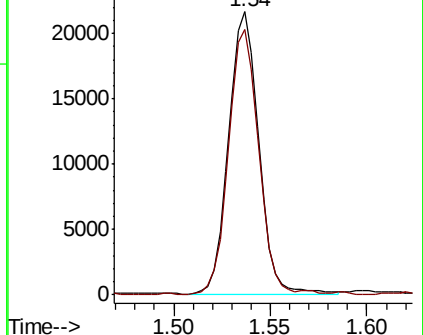
94 100

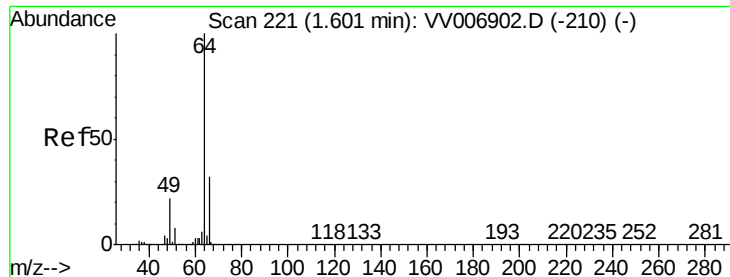
96 93.8 66.2 123.0



Abundance Ion 94.00 (93.70 to 94.70): VV006906.D (-188) (-)

Ion 96.00 (95.70 to 96.70): VV006906.D (-188) (-)

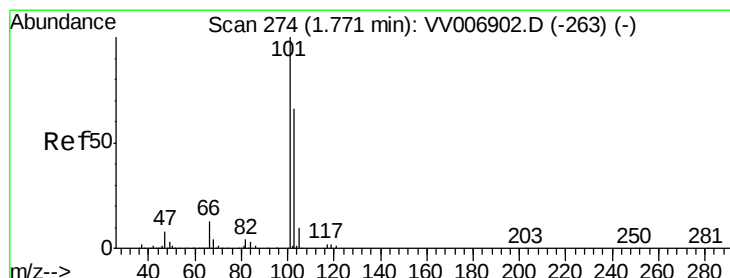
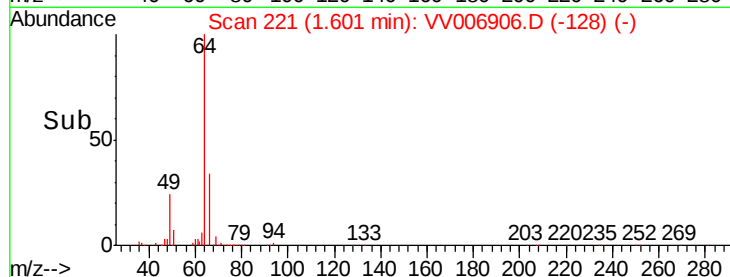
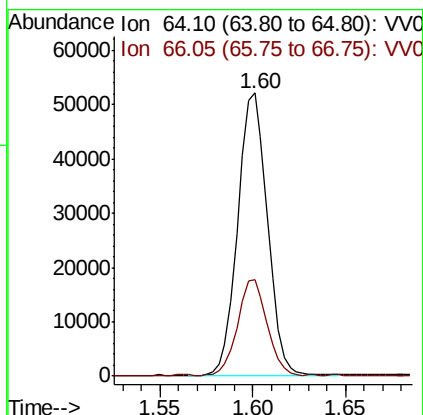
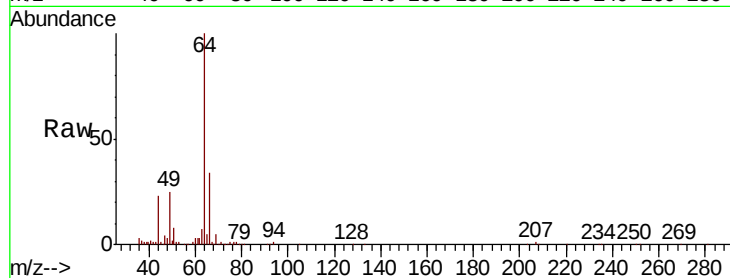




#8
Chloroethane
Concen: 5.054 ug/L
RT: 1.60 min Scan# 221
Delta R.T. 0.00 min
Lab File: VV006906.D
Acq: 07 Aug 2018 19:02

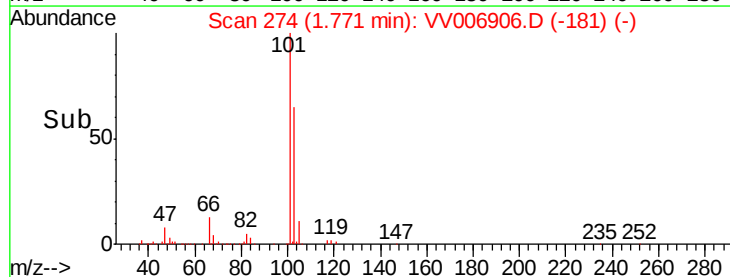
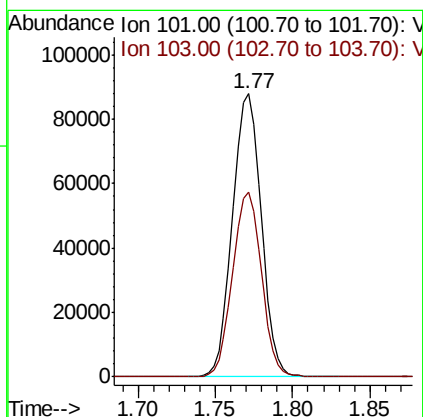
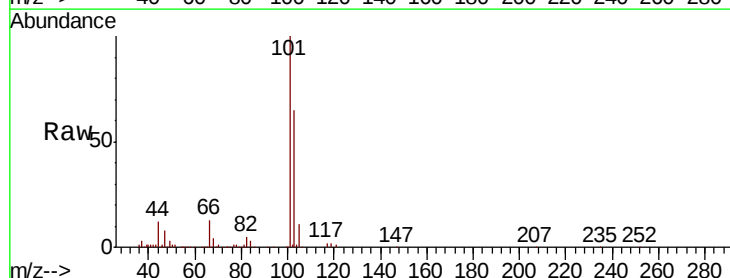
Instrument :
MSVOA_V
ClientSampled :

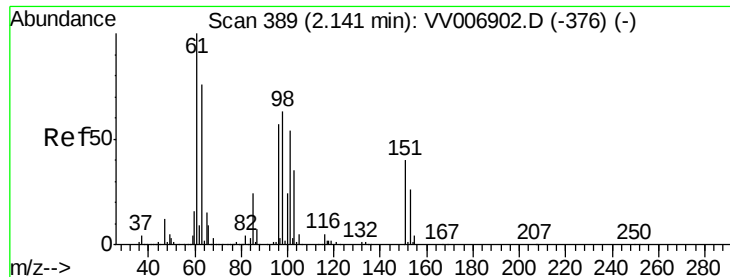
Tot Ion: 64 Resp: 58373
Ion Ratio Lower Upper
64 100
66 34.3 22.6 42.0



#9
Trichlorofluoromethane
Concen: 5.080 ug/L
RT: 1.77 min Scan# 274
Delta R.T. 0.00 min
Lab File: VV006906.D
Acq: 07 Aug 2018 19:02

Tgt Ion: 101 Resp: 113528
Ion Ratio Lower Upper
101 100
103 65.4 52.3 78.5





#10

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

Concen: 5.026 ug/L

RT: 2.14 min Scan# 389

Delta R.T. 0.00 min

Lab File: VV006906.D

Acq: 07 Aug 2018 19:02

Instrument :

MSVOA_V

ClientSampled :

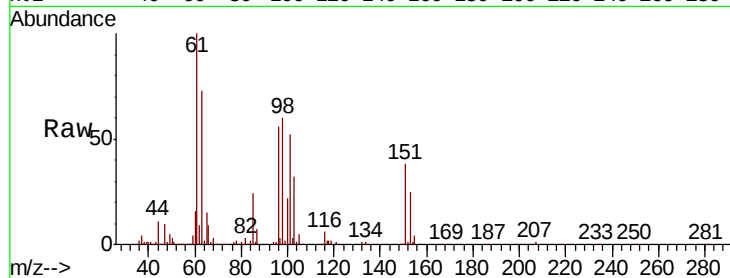
Tot Ion:101 Resp: 67830

Ion Ratio Lower Upper

101 100

85 43.7 36.2 54.4

151 75.3 59.8 89.8



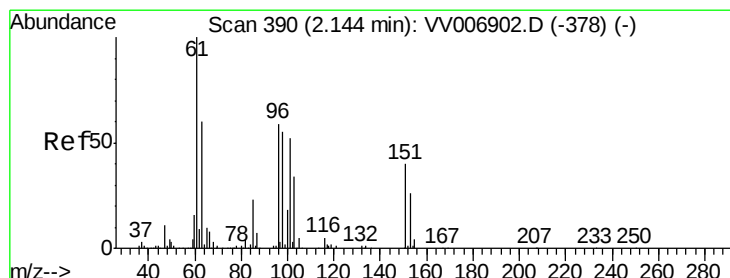
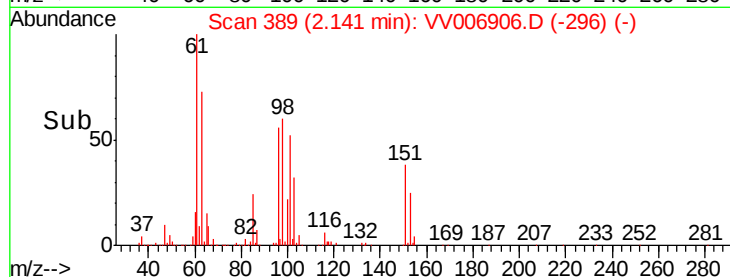
Abundance Ion 101.00 (100.70 to 101.70): VV006906.D (-296) (-)

Ion 85.00 (84.70 to 85.70): VV006906.D (-296) (-)

Ion 151.00 (150.70 to 151.70): VV006906.D (-296) (-)

2.14

Time-->



#12

1,1-Dichloroethene

Concen: 5.035 ug/L

RT: 2.14 min Scan# 389

Delta R.T. -0.00 min

Lab File: VV006906.D

Acq: 07 Aug 2018 19:02

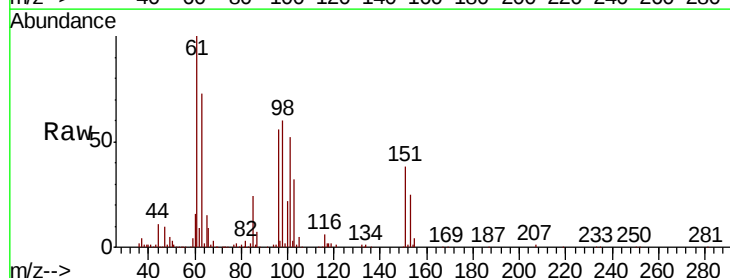
Tgt Ion: 96 Resp: 64946

Ion Ratio Lower Upper

96 100

61 177.2 119.0 221.0

63 130.0 73.6 136.6



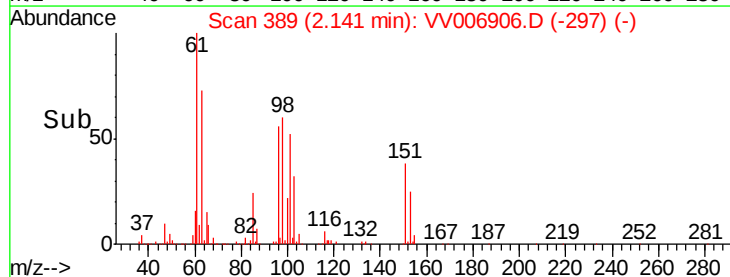
Abundance Ion 96.00 (95.70 to 96.70): VV006906.D (-297) (-)

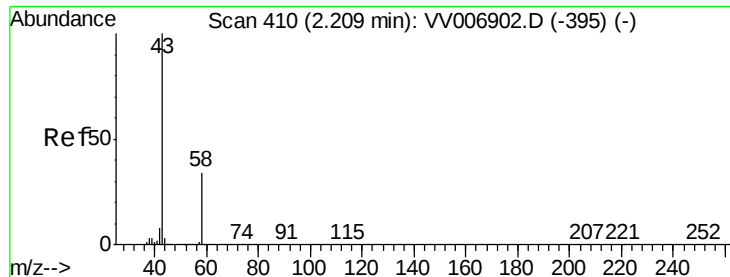
Ion 61.05 (60.75 to 61.75): VV006906.D (-297) (-)

Ion 63.00 (62.70 to 63.70): VV006906.D (-297) (-)

2.14

Time-->





#13

Acetone

Concen: 48.901 ug/L

RT: 2.21 min Scan# 410

Delta R.T. 0.00 min

Lab File: VV006906.D

Acq: 07 Aug 2018 19:02

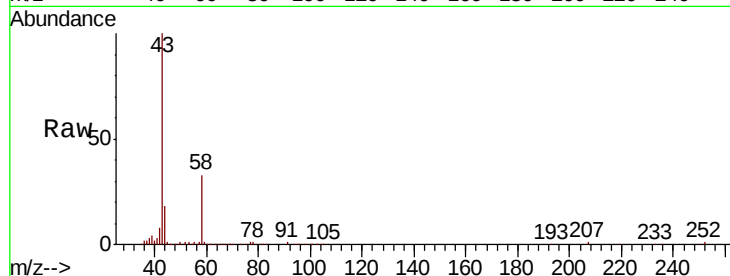
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 119081

Ion Ratio Lower Upper

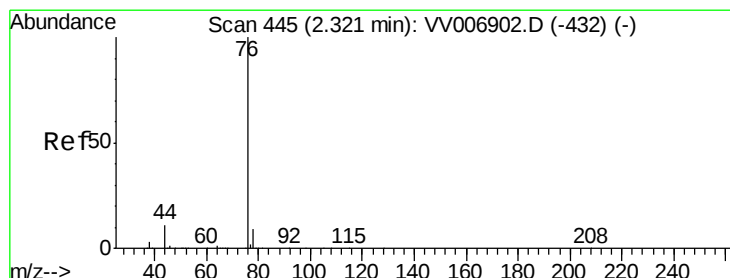
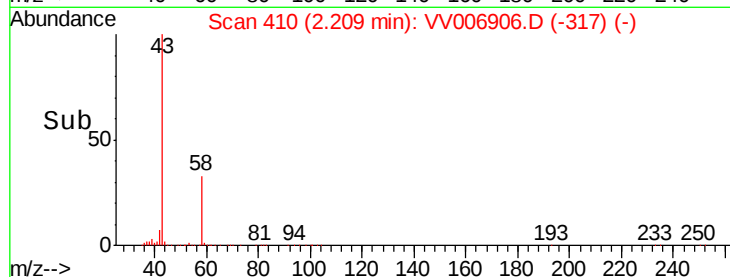
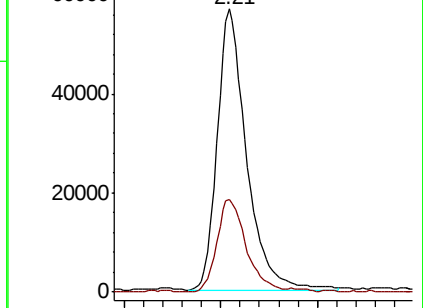
43 100

58 33.3 0.0 68.0



Abundance Ion 43.05 (42.75 to 43.75): VV006906.D (-317) (-)

Ion 58.05 (57.75 to 58.75): VV006906.D (-317) (-)



#14

Carbon disulfide

Concen: 5.168 ug/L

RT: 2.32 min Scan# 444

Delta R.T. -0.00 min

Lab File: VV006906.D

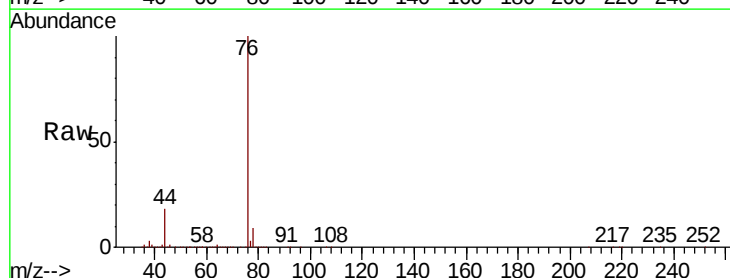
Acq: 07 Aug 2018 19:02

Tgt Ion: 76 Resp: 204802

Ion Ratio Lower Upper

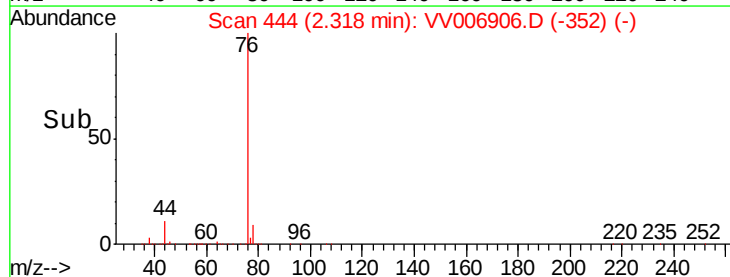
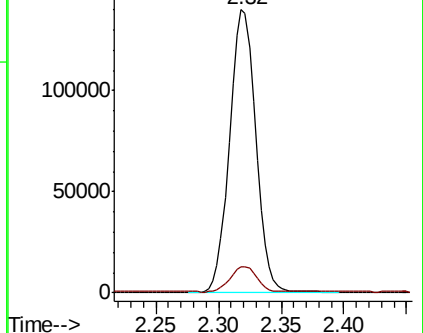
76 100

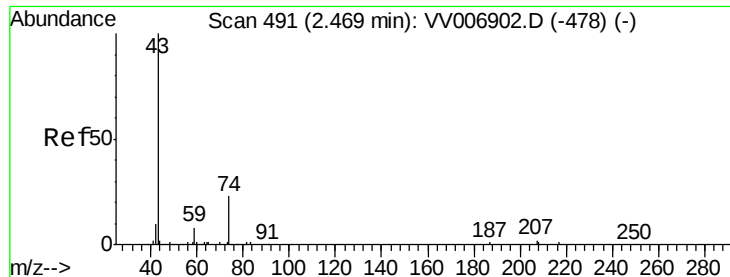
78 9.2 7.8 11.6



Abundance Ion 76.05 (75.75 to 76.75): VV006906.D (-352) (-)

Ion 78.00 (77.70 to 78.70): VV006906.D (-352) (-)

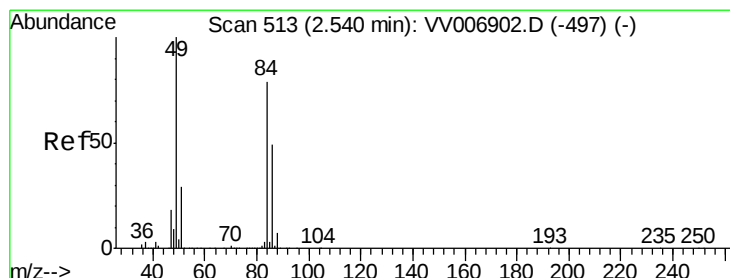
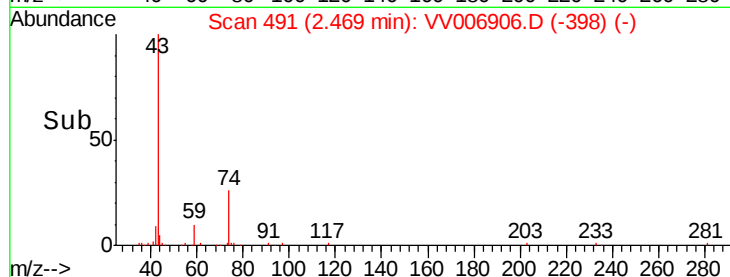
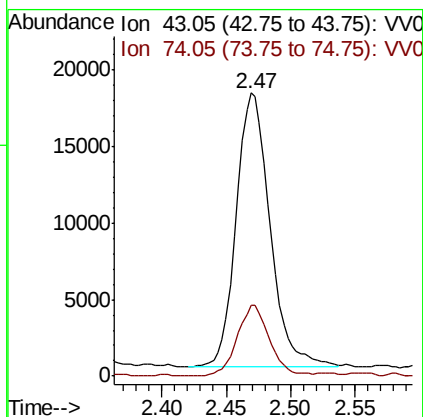
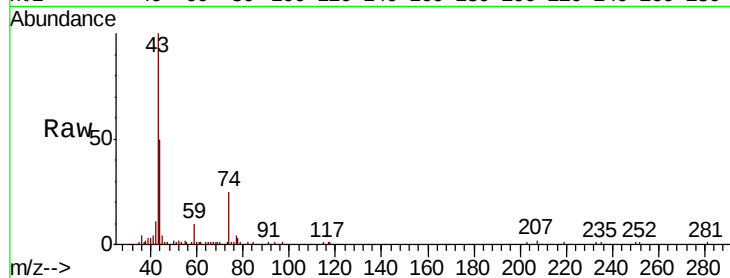




#15
Methvl Acetate
Concen: 4.863 ug/L
RT: 2.47 min Scan# 491
Delta R.T. 0.00 min
Lab File: VV006906.D
Acq: 07 Aug 2018 19:02

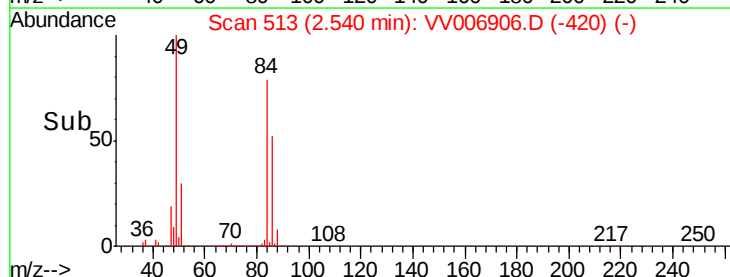
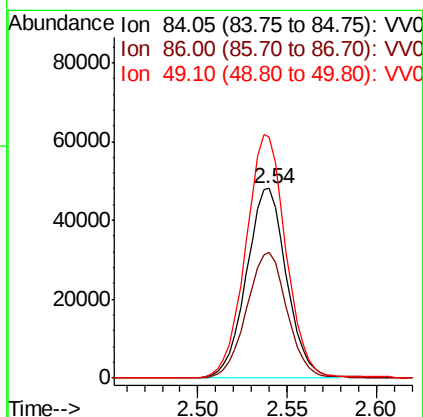
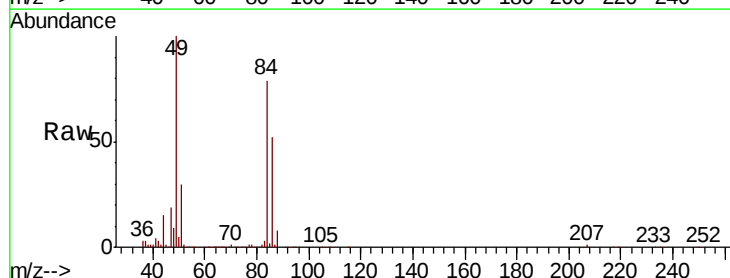
Instrument :
MSVOA_V
ClientSampleId :

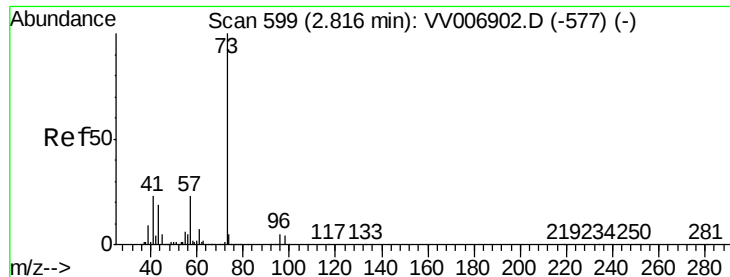
Tot Ion: 43 Resp: 32523
Ion Ratio Lower Upper
43 100
74 25.0 18.6 27.8



#16
Methylene chloride
Concen: 4.511 ug/L
RT: 2.54 min Scan# 513
Delta R.T. 0.00 min
Lab File: VV006906.D
Acq: 07 Aug 2018 19:02

Tgt Ion: 84 Resp: 75609
Ion Ratio Lower Upper
84 100
86 66.2 43.6 81.0
49 127.3 88.6 164.6



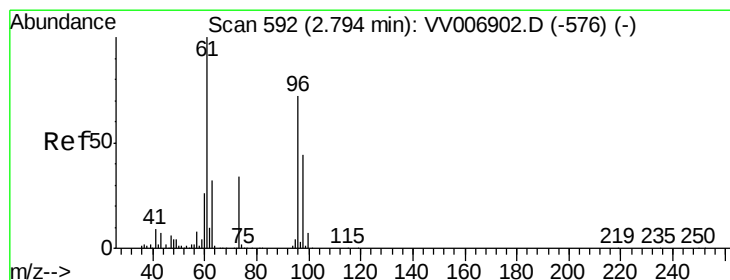
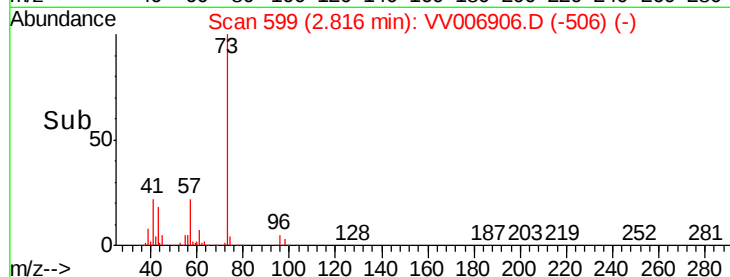
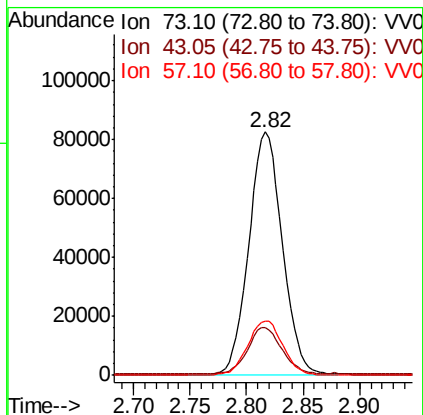
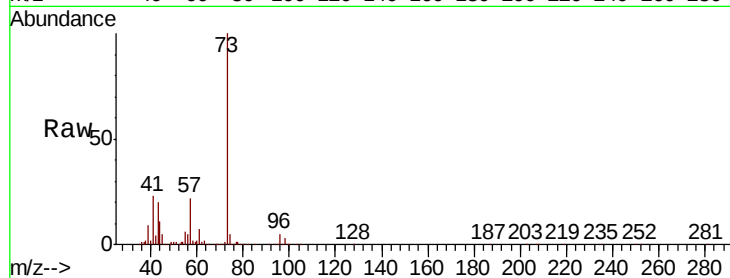


#17

Methvl tert-butvl Ether
 Concen: 5.102 ug/L
 RT: 2.82 min Scan# 599
 Delta R.T. 0.00 min
 Lab File: VV006906.D
 Acq: 07 Aug 2018 19:02

Instrument :
 MSVOA_V
 ClientSampled :

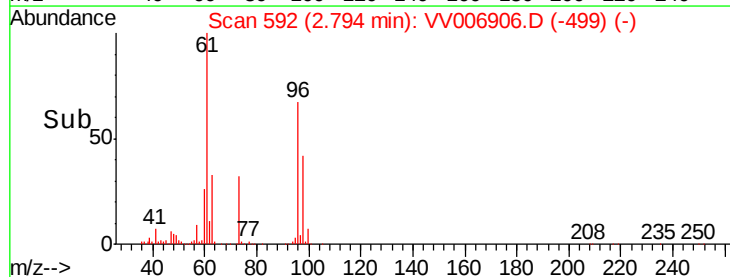
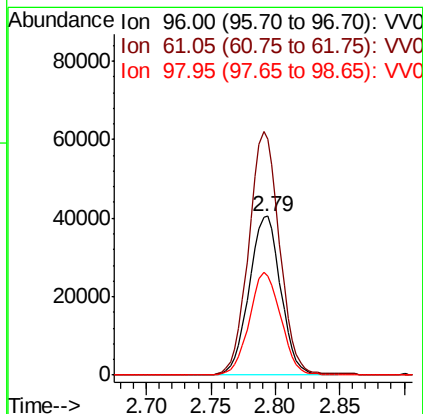
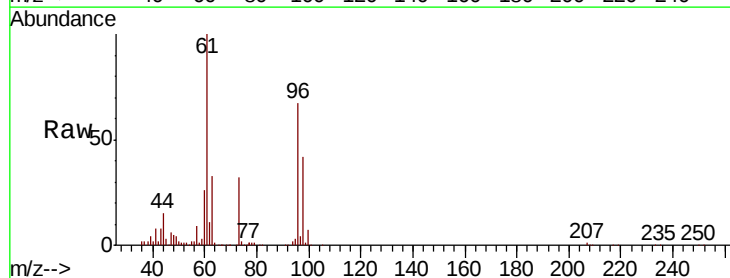
Tot Ion:	73	Resp:	170895
Ion	Ratio	Lower	Upper
73	100		
43	19.4	15.3	22.9
57	23.0	18.8	28.2

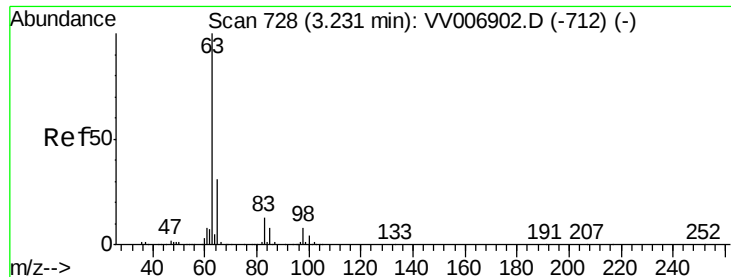


#18

trans-1,2-Dichloroethene
 Concen: 4.926 ug/L
 RT: 2.79 min Scan# 592
 Delta R.T. 0.00 min
 Lab File: VV006906.D
 Acq: 07 Aug 2018 19:02

Tgt Ion:	96	Resp:	68997
Ion	Ratio	Lower	Upper
96	100		
61	148.6	97.3	180.7
98	62.5	42.8	79.6





#19

1,1-Dichloroethane

Concen: 5.204 ug/L

RT: 3.23 min Scan# 728

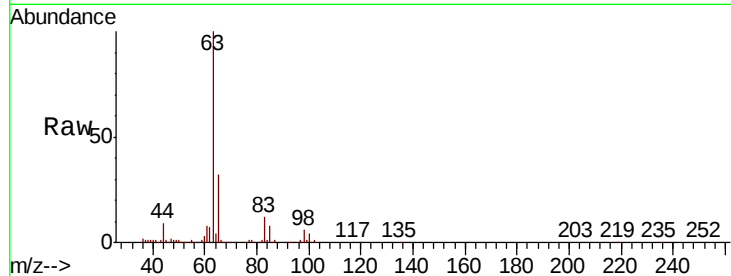
Delta R.T. 0.00 min

Lab File: VV006906.D

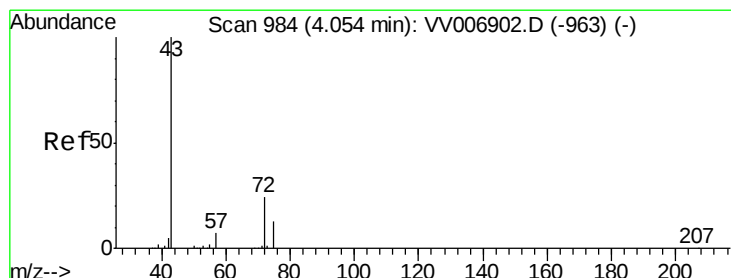
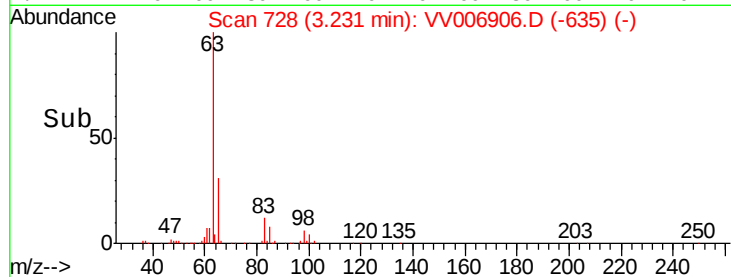
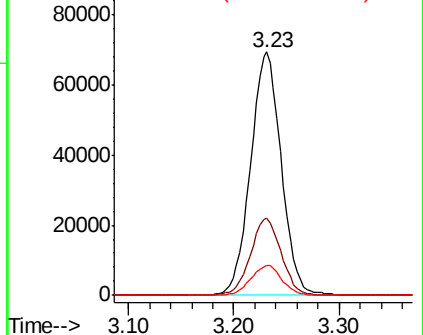
Acq: 07 Aug 2018 19:02

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	63	Resp:	140692
Ion	Ratio	Lower	Upper
63	100		
65	31.5	22.0	41.0
83	12.4	9.0	16.8



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



#21

2-Butanone

Concen: 51.719 ug/L

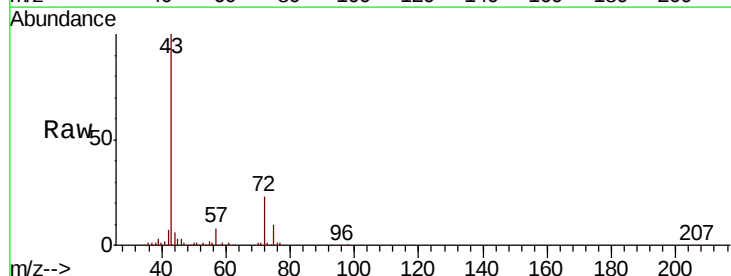
RT: 4.06 min Scan# 985

Delta R.T. 0.00 min

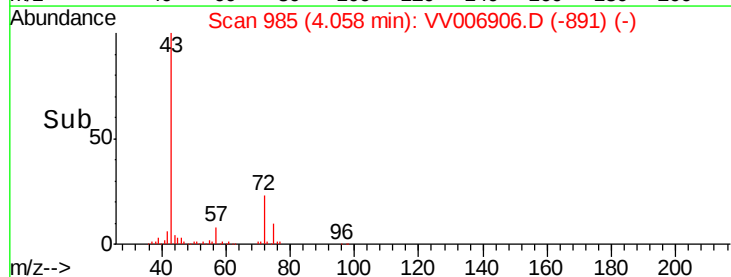
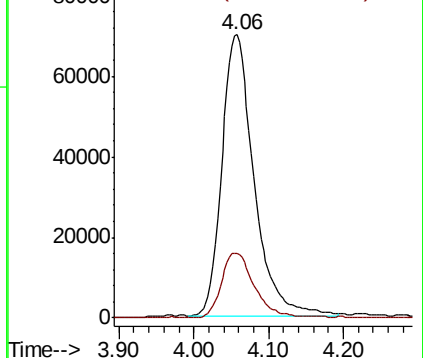
Lab File: VV006906.D

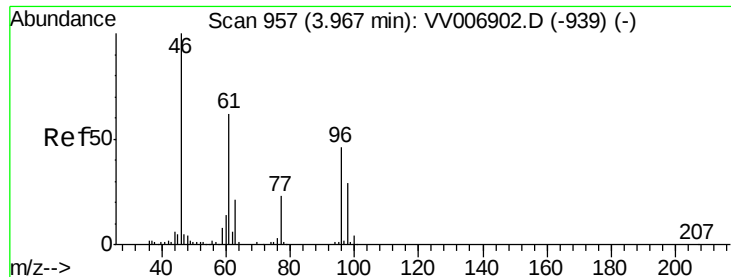
Acq: 07 Aug 2018 19:02

Tgt Ion:	43	Resp:	207249
Ion	Ratio	Lower	Upper
43	100		
72	23.6	11.9	35.5



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



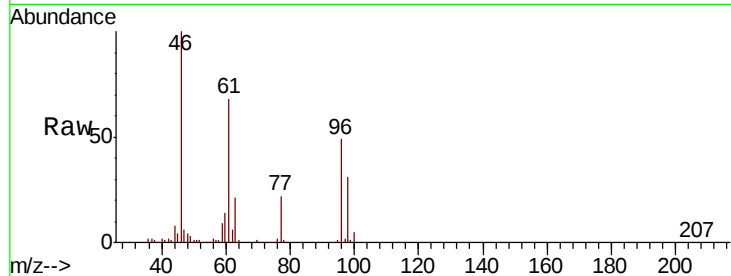


#22

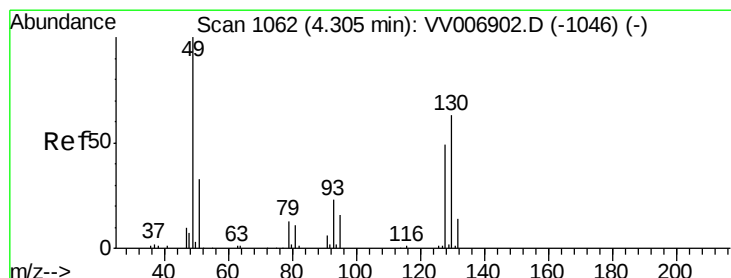
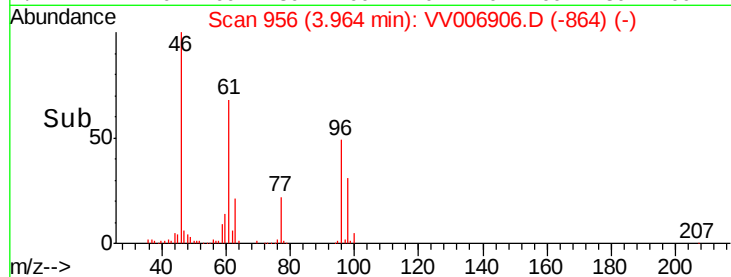
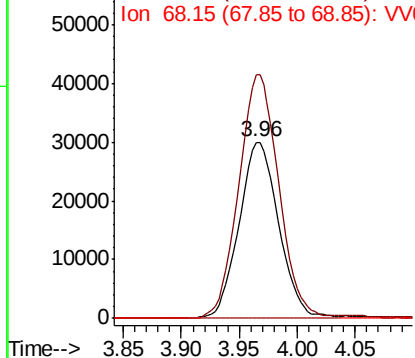
cis-1,2-Dichloroethene
 Concen: 5.096 ug/L
 RT: 3.96 min Scan# 956
 Delta R.T. -0.00 min
 Lab File: VV006906.D
 Acq: 07 Aug 2018 19:02

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 96 Resp: 71416
 Ion Ratio Lower Upper
 96 100
 61 138.0 95.5 177.4
 68 0.0 0.0 0.0



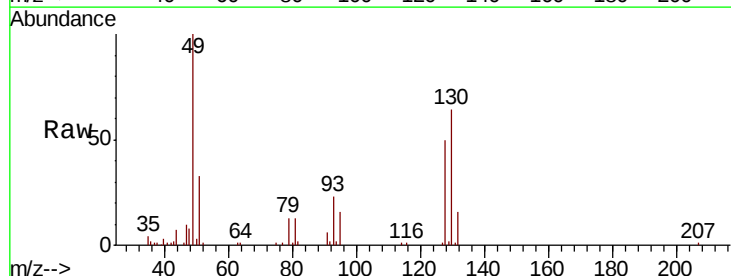
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



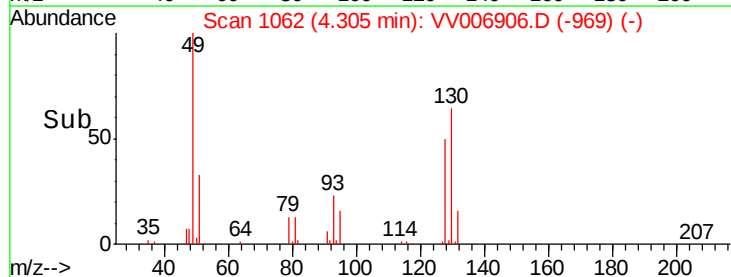
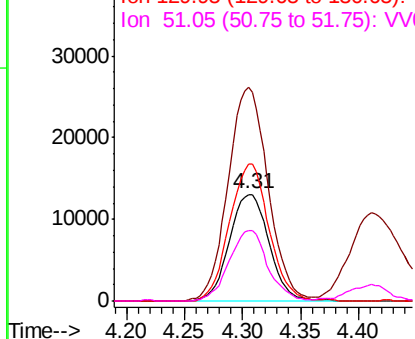
#23

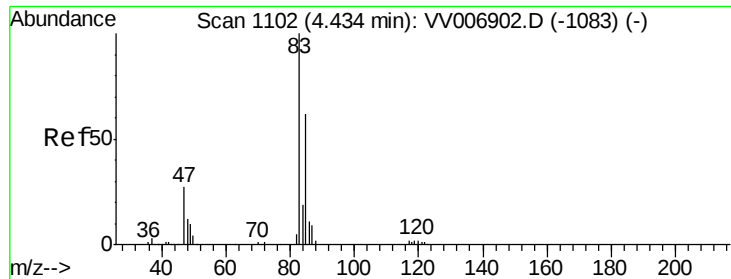
Bromochloromethane
 Concen: 5.376 ug/L
 RT: 4.31 min Scan# 1062
 Delta R.T. 0.00 min
 Lab File: VV006906.D
 Acq: 07 Aug 2018 19:02

Tgt Ion: 128 Resp: 31002
 Ion Ratio Lower Upper
 128 100
 49 200.0 141.5 262.9
 130 128.5 89.7 166.7
 51 66.6 53.5 80.3



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VV0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VV0





#25

Chloroform

Concen: 5.134 ug/L

RT: 4.43 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV006906.D

Acq: 07 Aug 2018 19:02

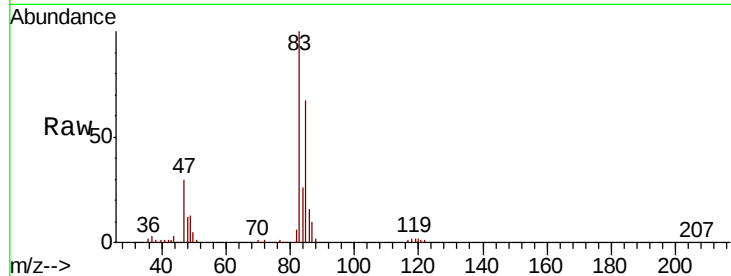
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 83 Resp: 134771

Ion Ratio Lower Upper

83 100

85 67.2 43.5 80.7

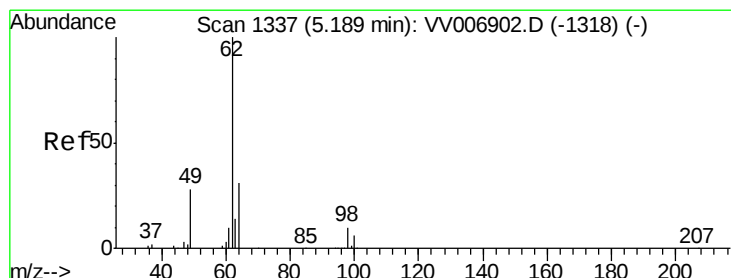
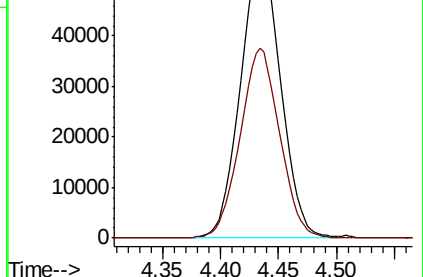
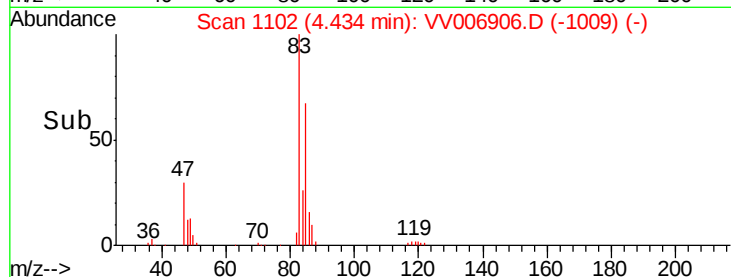


Abundance Ion 83.05 (82.75 to 83.75): VV006906.D (-1099) (-)

Ion 85.00 (84.70 to 85.70): VV006906.D (-1099) (-)

4.43

Time-->



#27

1,2-Dichloroethane

Concen: 4.957 ug/L

RT: 5.19 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VV006906.D

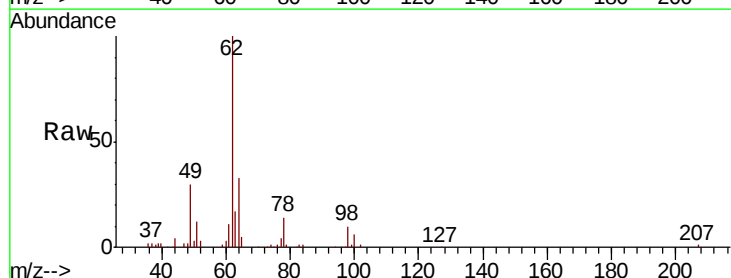
Acq: 07 Aug 2018 19:02

Tgt Ion: 62 Resp: 84040

Ion Ratio Lower Upper

62 100

98 9.8 7.8 11.8

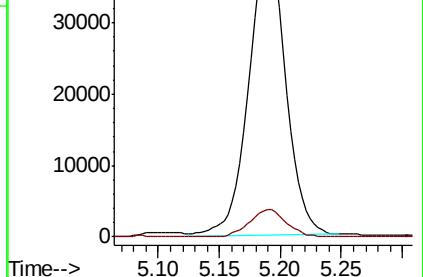
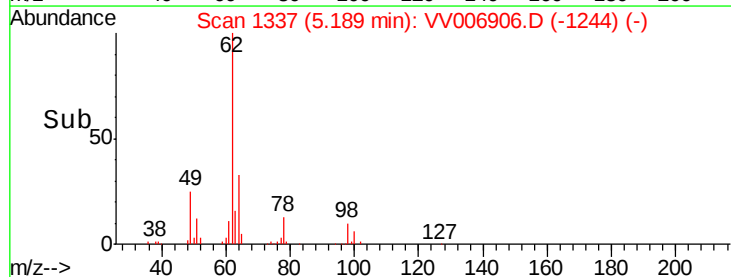


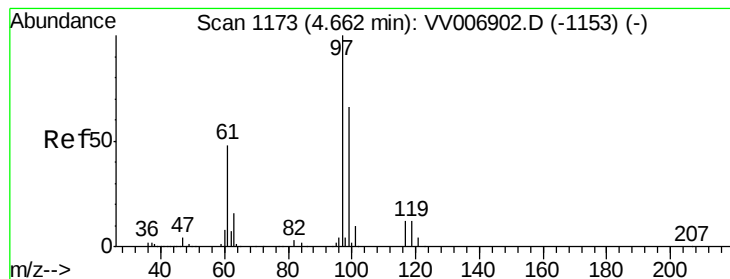
Abundance Ion 62.00 (61.70 to 62.70): VV006906.D (-1244) (-)

Ion 98.05 (97.75 to 98.75): VV006906.D (-1244) (-)

5.19

Time-->





#29

1,1,1-Trichloroethane

Concen: 5.198 ug/L

RT: 4.66 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VV006906.D

Acq: 07 Aug 2018 19:02

Instrument :

MSVOA_V

ClientSampleId :

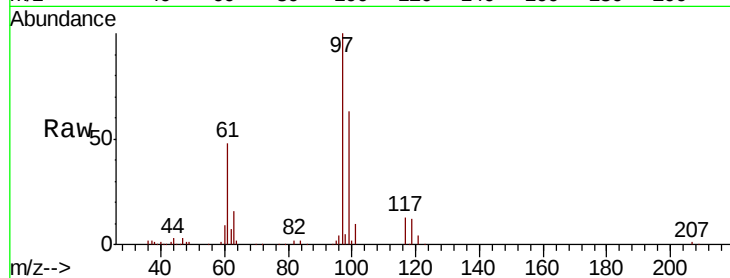
Tot Ion: 97 Resp: 111442

Ion Ratio Lower Upper

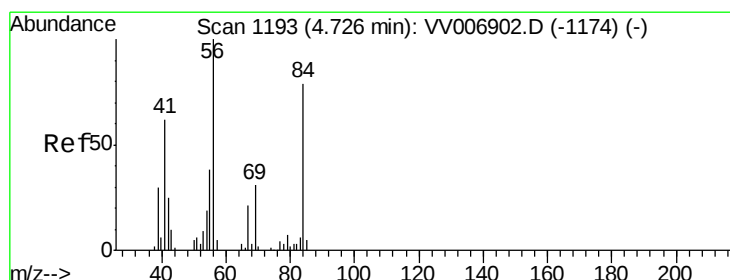
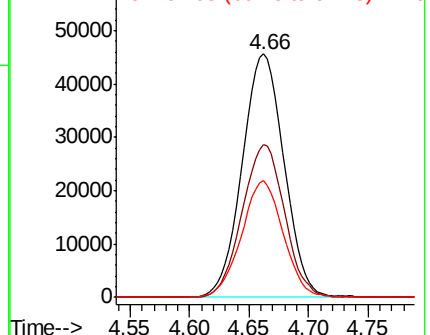
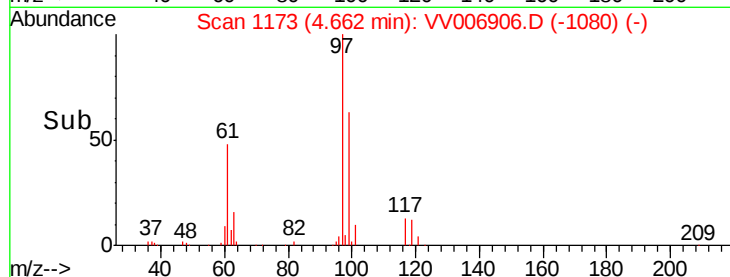
97 100

99 63.3 51.0 76.6

61 47.6 38.6 57.8



Abundance Ion 96.95 (96.65 to 97.65): VV006906.D (-1080) (-)



#30

Cyclohexane

Concen: 5.269 ug/L

RT: 4.72 min Scan# 1192

Delta R.T. -0.00 min

Lab File: VV006906.D

Acq: 07 Aug 2018 19:02

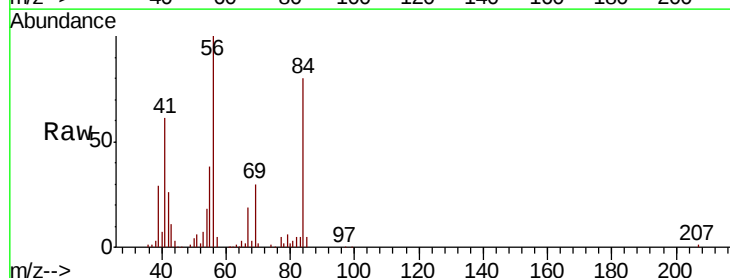
Tgt Ion: 56 Resp: 112625

Ion Ratio Lower Upper

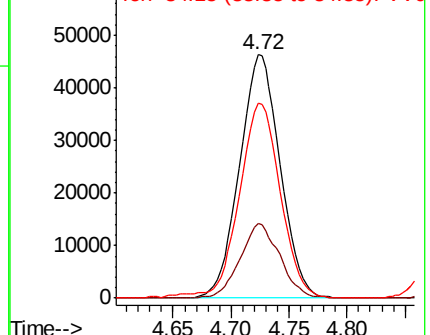
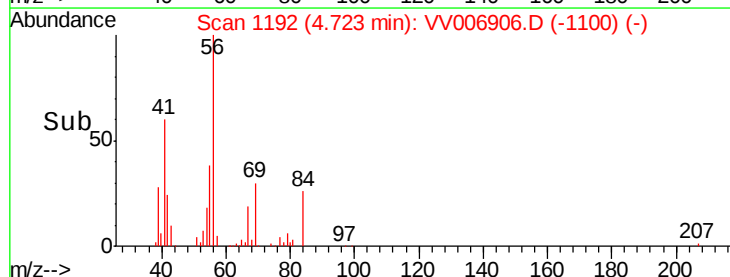
56 100

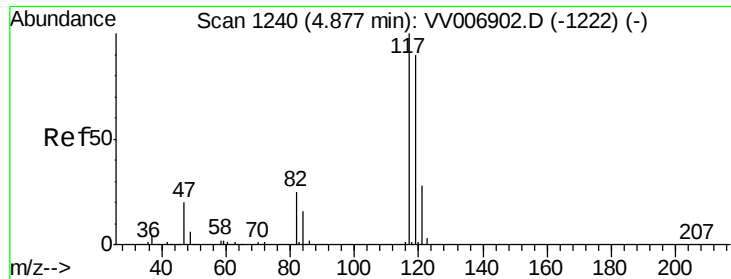
69 29.9 24.2 36.2

84 81.6 65.5 98.3



Abundance Ion 56.10 (55.80 to 56.80): VV006906.D (-1100) (-)





#31

Carbon tetrachloride

Concen: 5.070 ug/L

RT: 4.88 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VV006906.D

Acq: 07 Aug 2018 19:02

Instrument :

MSVOA_V

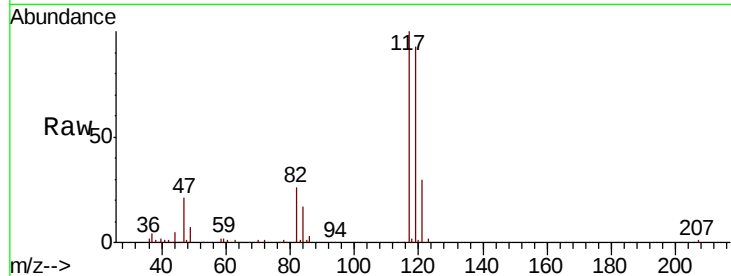
ClientSampleId :

Tot Ion:117 Resp: 91548

Ion Ratio Lower Upper

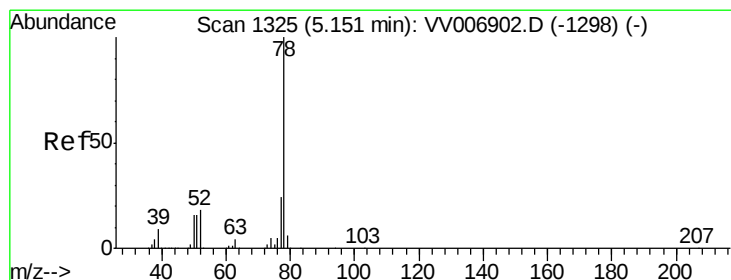
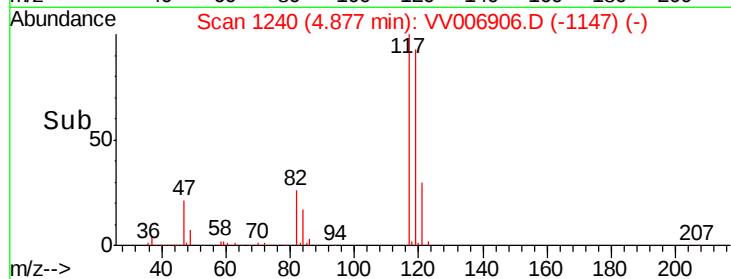
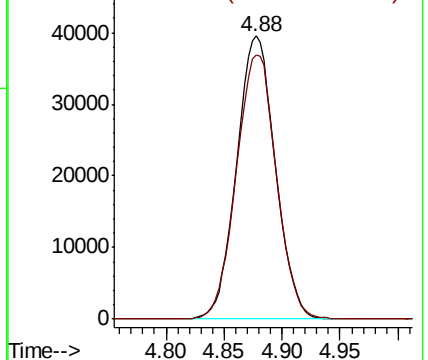
117 100

119 96.8 74.9 112.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.235 ug/L

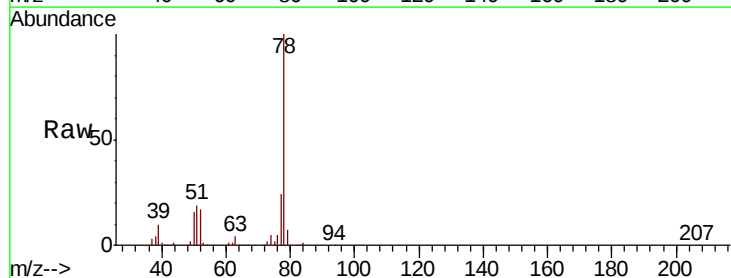
RT: 5.15 min Scan# 1325

Delta R.T. 0.00 min

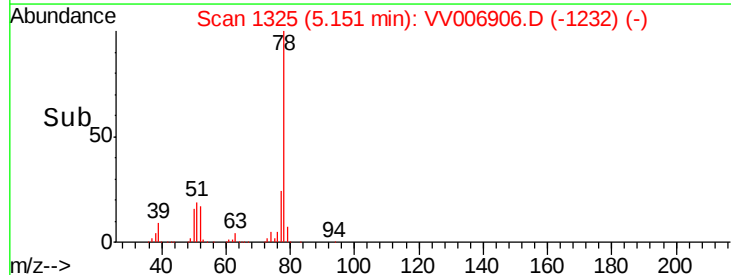
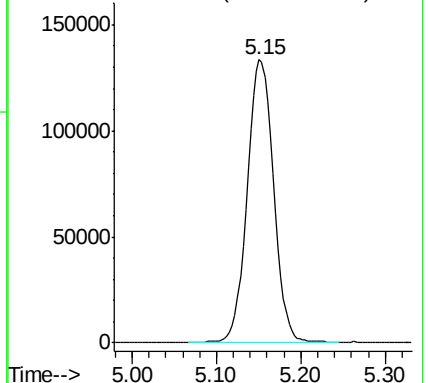
Lab File: VV006906.D

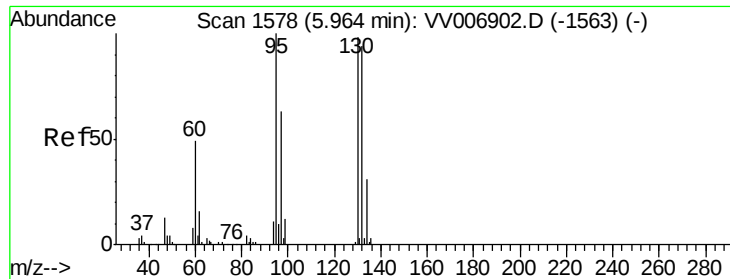
Acq: 07 Aug 2018 19:02

Tgt Ion: 78 Resp: 291952



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 5.338 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VV006906.D

Acq: 07 Aug 2018 19:02

Instrument :

MSVOA_V

ClientSampled :

Tot Ion: 95 Resp: 69272

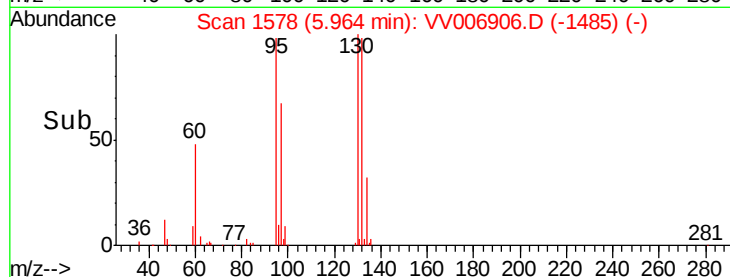
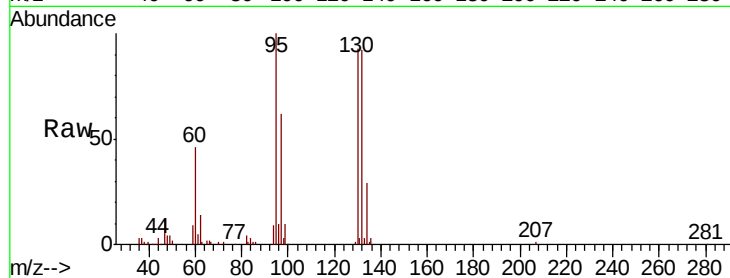
Ion Ratio Lower Upper

95 100

97 62.2 44.4 82.4

132 91.8 65.6 121.8

130 93.4 68.8 127.8



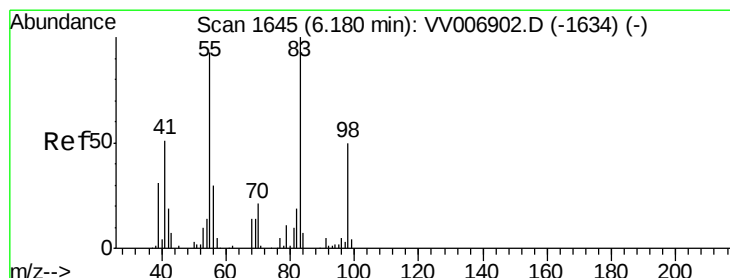
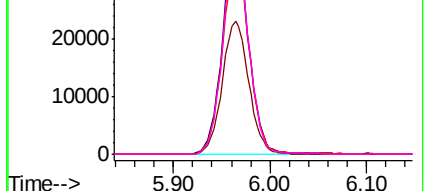
Abundance Ion 95.00 (94.70 to 95.70): VV006906.D (-1485) (-)

Ion 96.95 (96.65 to 97.65): VV006906.D (-1485) (-)

Ion 131.95 (131.65 to 132.65): VV006906.D (-1485) (-)

Ion 129.95 (129.65 to 130.65): VV006906.D (-1485) (-)

Time-->



#35

Methylcyclohexane

Concen: 5.188 ug/L

RT: 6.18 min Scan# 1645

Delta R.T. 0.00 min

Lab File: VV006906.D

Acq: 07 Aug 2018 19:02

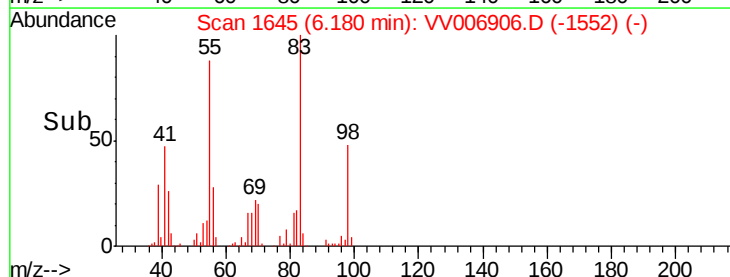
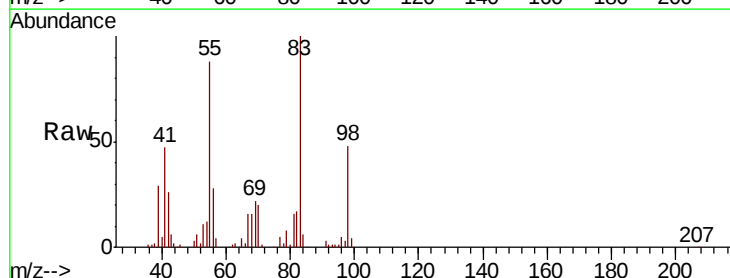
Tgt Ion: 83 Resp: 104517

Ion Ratio Lower Upper

83 100

55 89.0 69.8 104.8

98 46.9 36.4 54.6

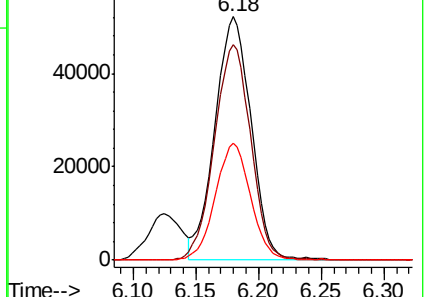


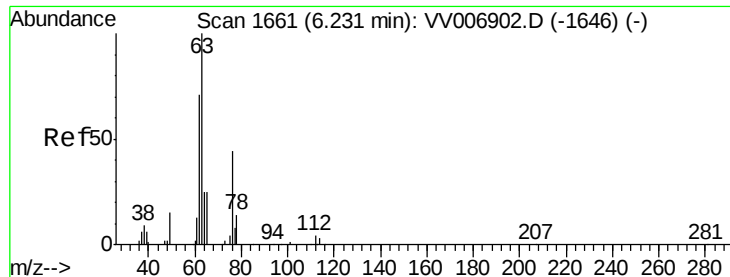
Abundance Ion 83.15 (82.85 to 83.85): VV006906.D (-1552) (-)

Ion 55.10 (54.80 to 55.80): VV006906.D (-1552) (-)

Ion 98.15 (97.85 to 98.85): VV006906.D (-1552) (-)

Time-->





#37

1,2-Dichloropropane

Concen: 5.238 ug/L

RT: 6.23 min Scan# 1660

Delta R.T. -0.00 min

Lab File: VV006906.D

Acq: 07 Aug 2018 19:02

Instrument :

MSVOA_V

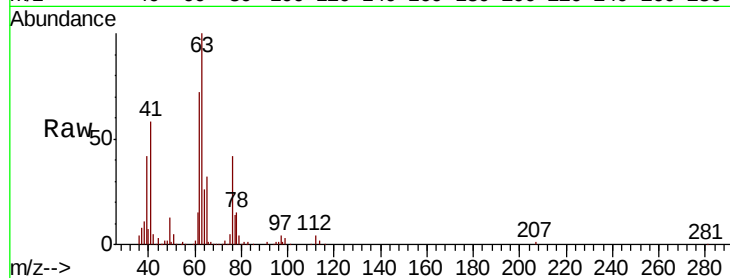
ClientSampleId :

Tot Ion: 63 Resp: 81195

Ion Ratio Lower Upper

63 100

112 4.2 3.5 5.3



Abundance Ion 63.10 (62.80 to 63.80): VV006902.D (-1646) (-)

Ion 112.10 (111.80 to 112.80): VV006902.D (-1646) (-)

6.23

40000

30000

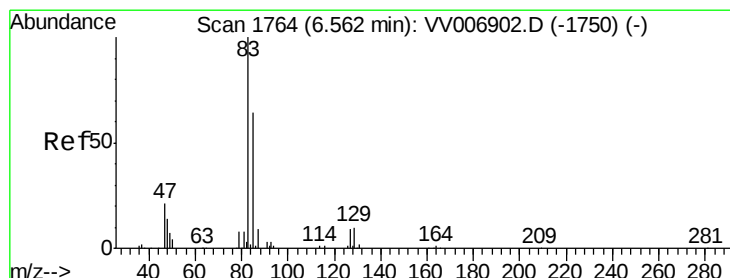
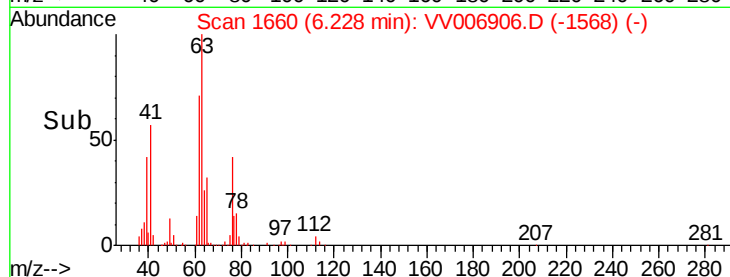
20000

10000

0

6.10 6.20 6.30

Time-->



#38

Bromodichloromethane

Concen: 5.171 ug/L

RT: 6.56 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VV006906.D

Acq: 07 Aug 2018 19:02

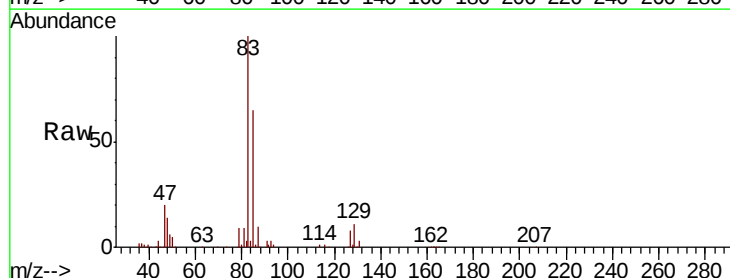
Tgt Ion: 83 Resp: 91013

Ion Ratio Lower Upper

83 100

85 65.1 44.9 83.3

127 7.8 6.9 10.3



Abundance Ion 82.95 (82.65 to 83.65): VV006902.D (-1750) (-)

Ion 85.00 (84.70 to 85.70): VV006902.D (-1750) (-)

Ion 126.90 (126.60 to 127.60): VV006902.D (-1750) (-)

6.56

60000

50000

40000

30000

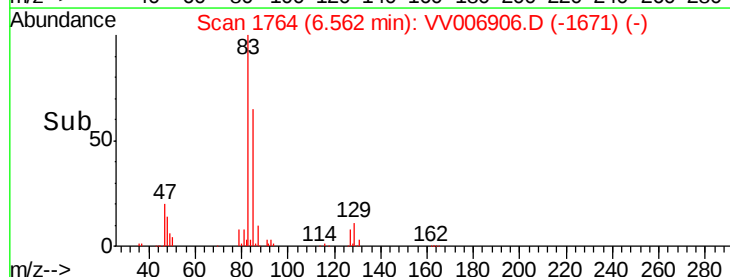
20000

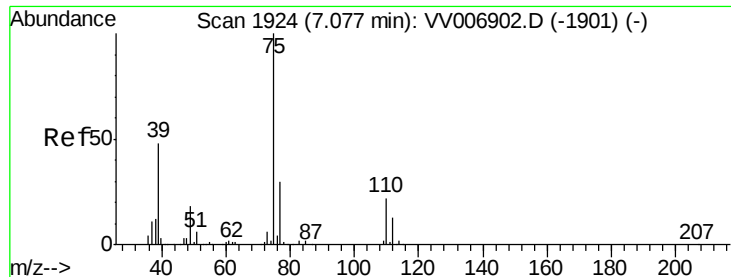
10000

0

6.45 6.50 6.55 6.60 6.65

Time-->

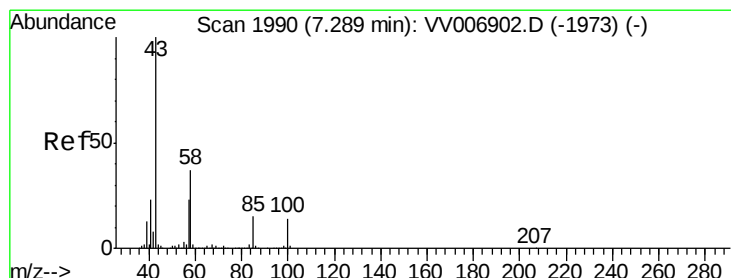
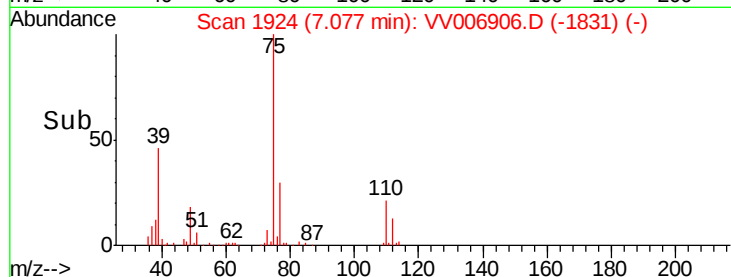
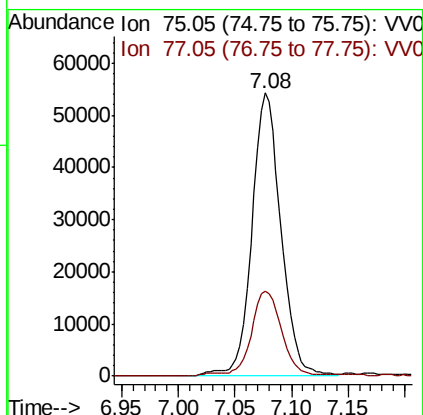
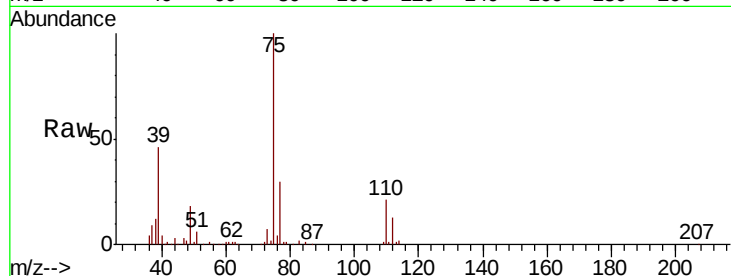




#39
 cis-1,3-Dichloropropene
 Concen: 5.476 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV006906.D
 Acq: 07 Aug 2018 19:02

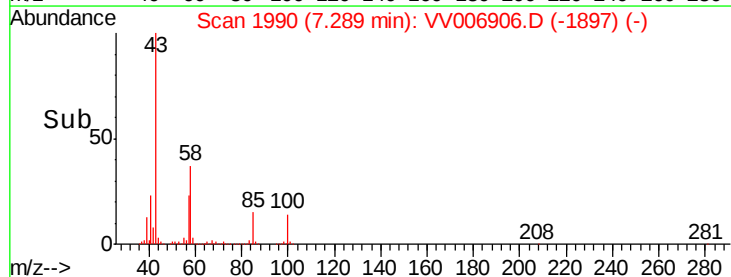
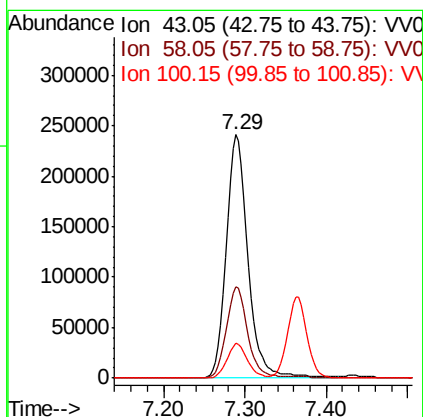
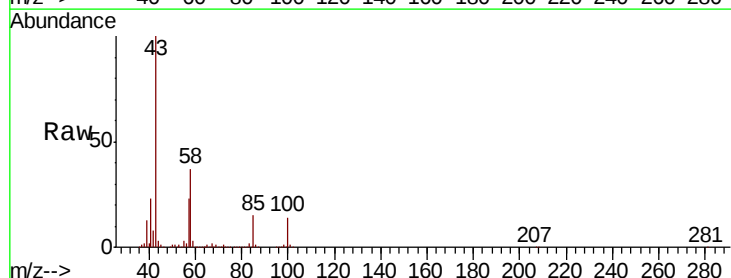
Instrument :
 MSVOA_V
 ClientSampled :

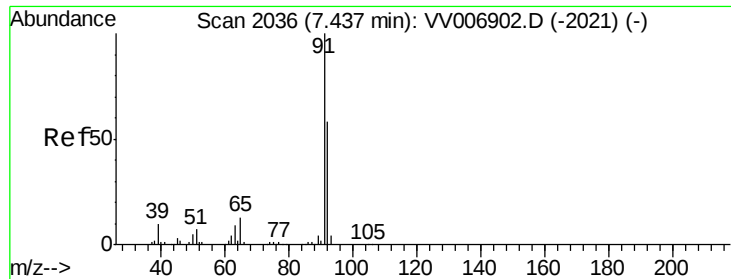
Tot Ion: 75 Resp: 97043
 Ion Ratio Lower Upper
 75 100
 77 30.0 21.2 39.4



#40
 4-Methyl-2-pentanone
 Concen: 52.623 ug/L
 RT: 7.29 min Scan# 1990
 Delta R.T. 0.00 min
 Lab File: VV006906.D
 Acq: 07 Aug 2018 19:02

Tgt Ion: 43 Resp: 455481
 Ion Ratio Lower Upper
 43 100
 58 36.6 29.0 43.6
 100 13.4 10.5 15.7





#42

Toluene

Concen: 5.479 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV006906.D

Acq: 07 Aug 2018 19:02

Instrument :

MSVOA_V

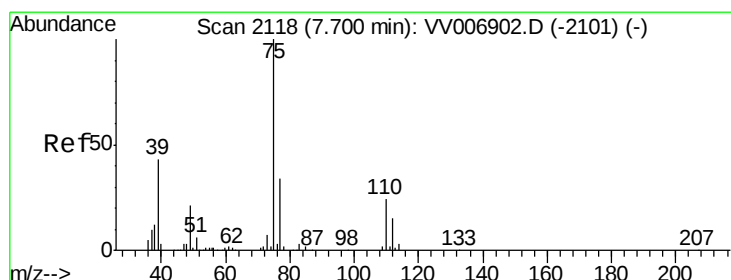
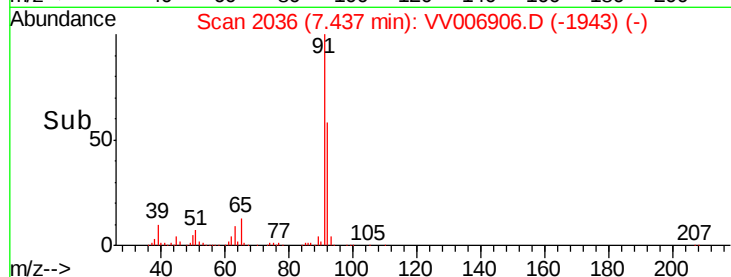
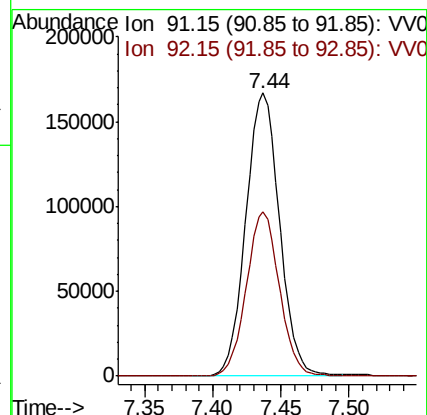
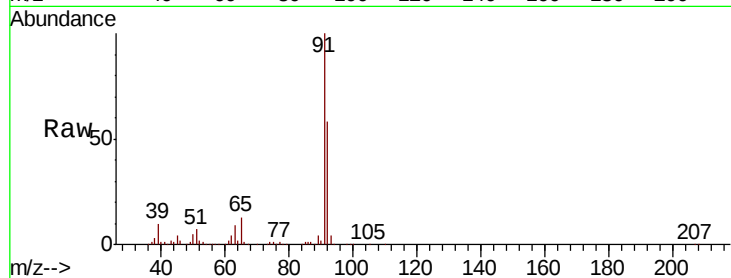
ClientSampleId :

Tot Ion: 91 Resp: 286407

Ion Ratio Lower Upper

91 100

92 58.2 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 5.228 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV006906.D

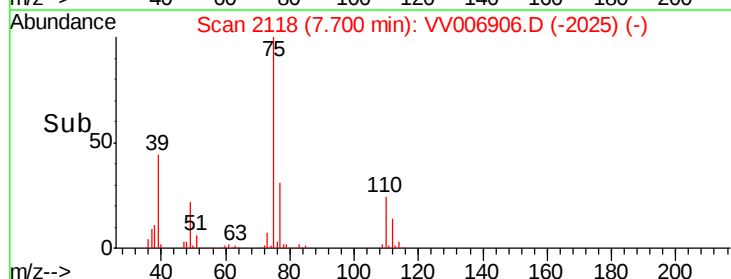
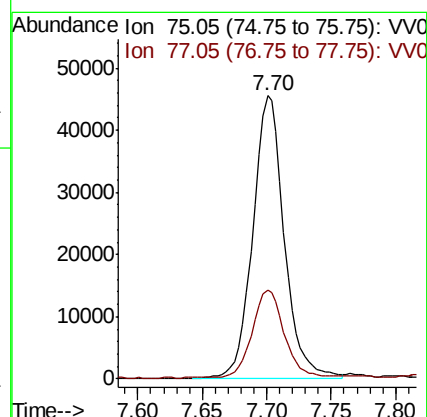
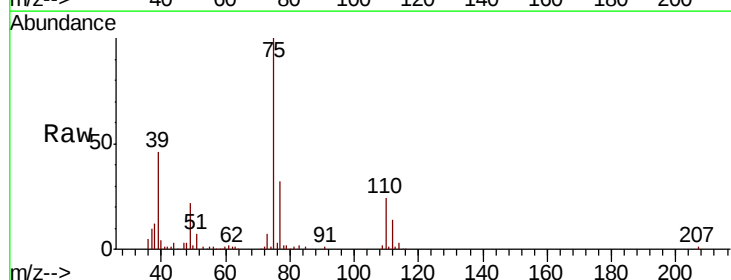
Acq: 07 Aug 2018 19:02

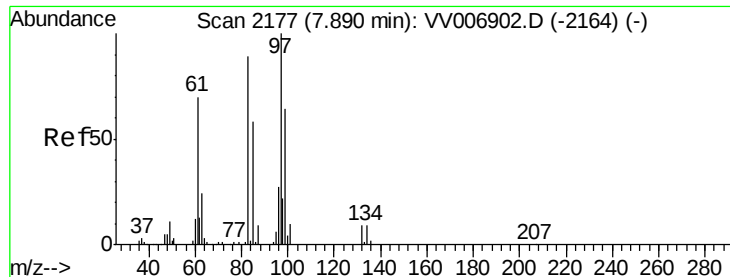
Tgt Ion: 75 Resp: 77860

Ion Ratio Lower Upper

75 100

77 31.6 24.2 45.0





#45

1,1,2-Trichloroethane

Concen: 5.209 ug/L

RT: 7.89 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VV006906.D

Acq: 07 Aug 2018 19:02

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 97 Resp: 50651

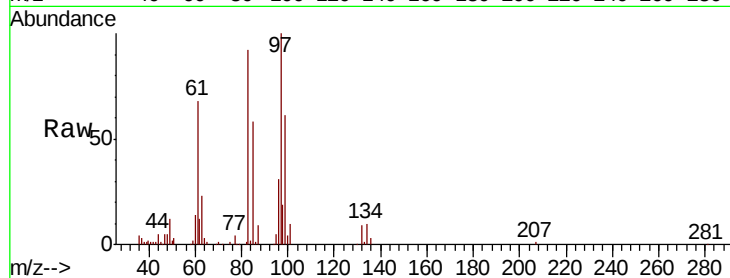
Ion Ratio Lower Upper

97 100

99 61.5 44.7 82.9

83 91.5 62.4 116.0

85 58.5 40.4 75.0

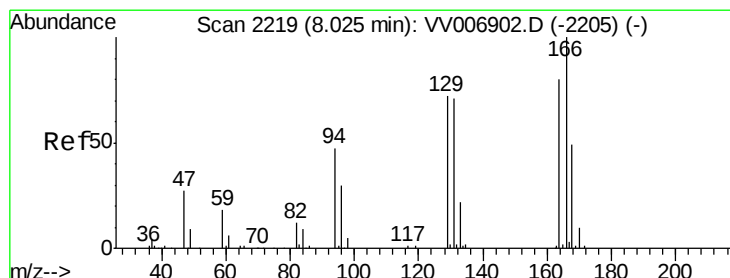
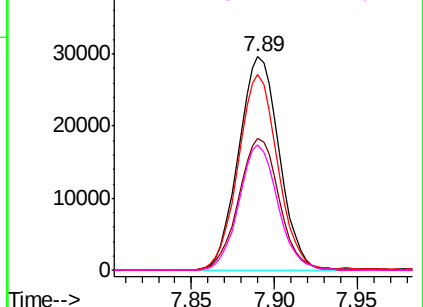
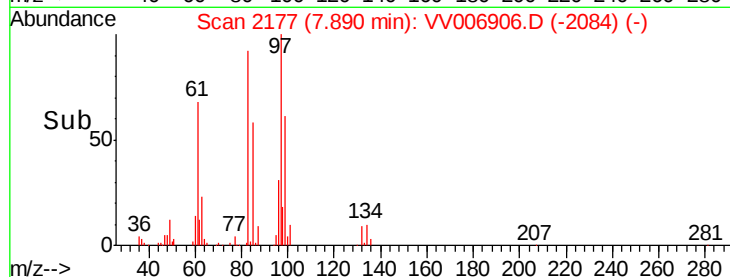


Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47

Tetrachloroethene

Concen: 5.313 ug/L

RT: 8.02 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VV006906.D

Acq: 07 Aug 2018 19:02

Tgt Ion: 164 Resp: 52452

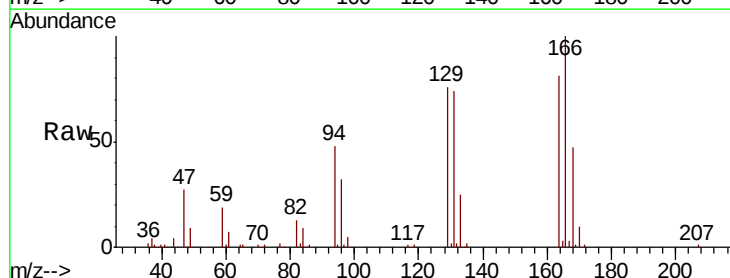
Ion Ratio Lower Upper

164 100

129 94.5 63.1 117.3

131 91.8 62.3 115.7

166 123.9 87.4 162.4

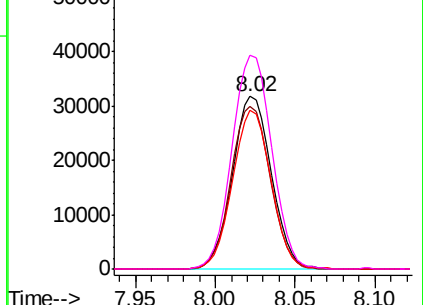
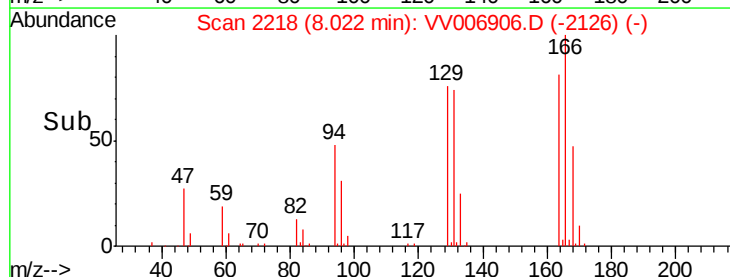


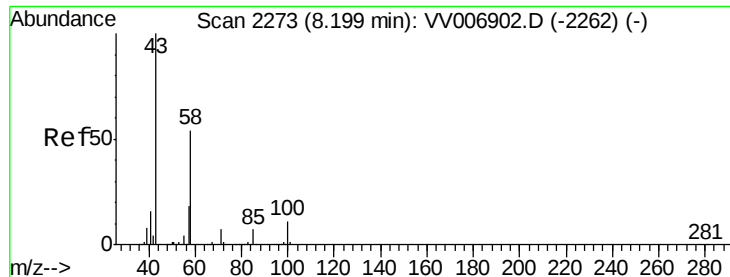
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

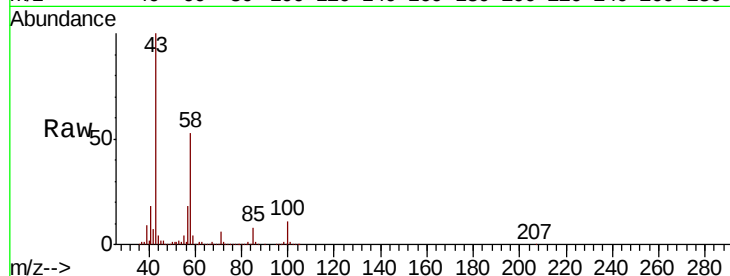




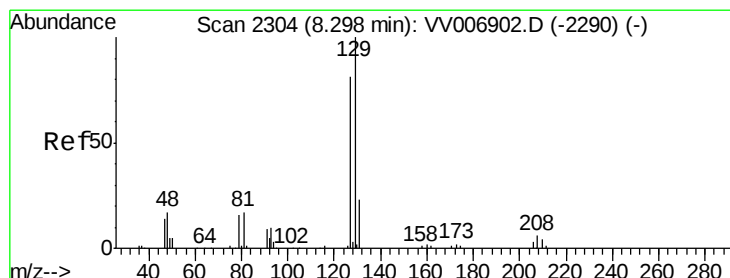
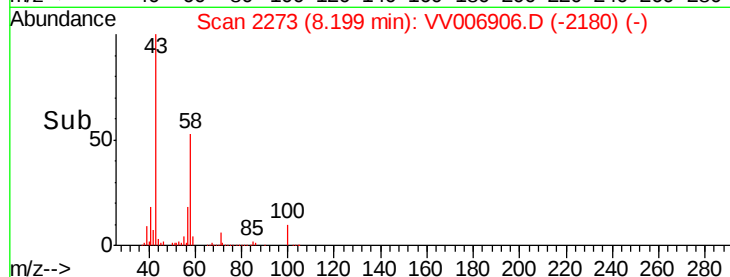
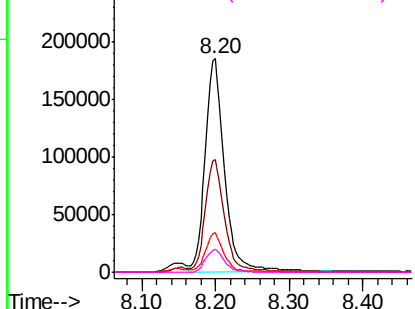
#48
2-Hexanone
Concen: 56.056 ug/L
RT: 8.20 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VV006906.D
Acq: 07 Aug 2018 19:02

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 339265
Ion Ratio Lower Upper
43 100
58 52.4 42.0 63.0
57 17.2 14.1 21.1
100 10.1 8.1 12.1

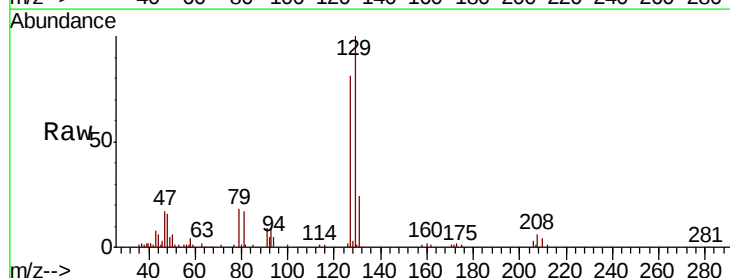


Abundance Ion 43.05 (42.75 to 43.75): VV006906.D (-2180) (-)
Ion 58.05 (57.75 to 58.75): VV006906.D (-2180) (-)
Ion 57.20 (56.90 to 57.90): VV006906.D (-2180) (-)
Ion 100.15 (99.85 to 100.85): VV006906.D (-2180) (-)

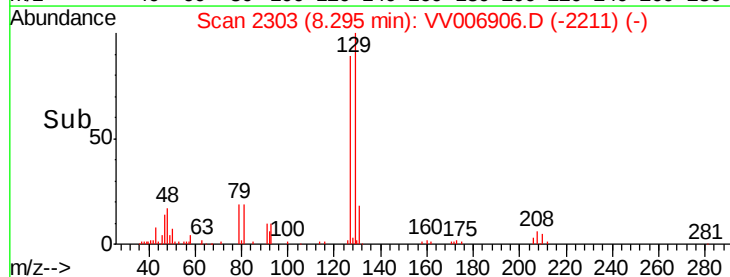
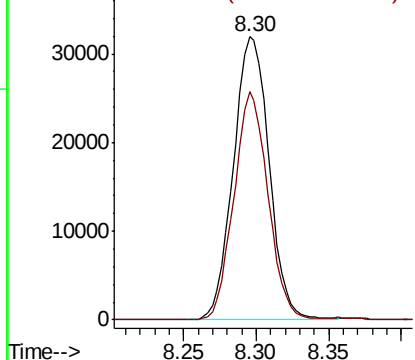


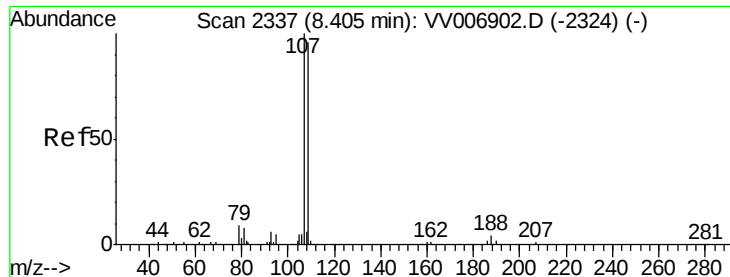
#49
Dibromochloromethane
Concen: 5.329 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VV006906.D
Acq: 07 Aug 2018 19:02

Tgt Ion: 129 Resp: 54828
Ion Ratio Lower Upper
129 100
127 80.5 57.0 105.8



Abundance Ion 128.95 (128.65 to 129.65): VV006906.D (-2211) (-)
Ion 126.90 (126.60 to 127.60): VV006906.D (-2211) (-)

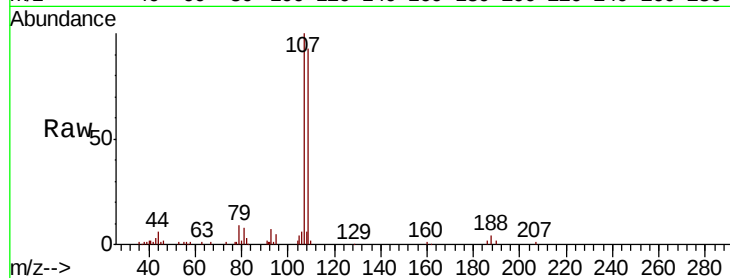




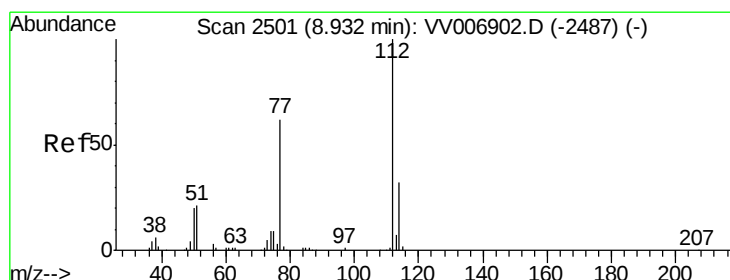
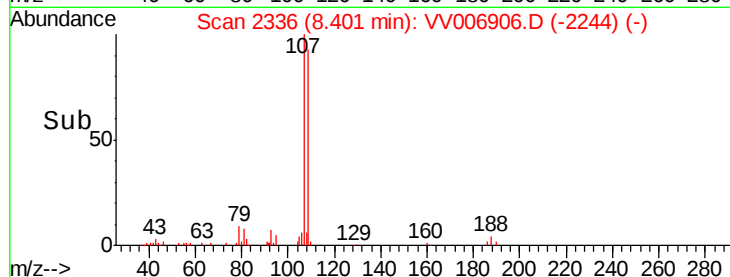
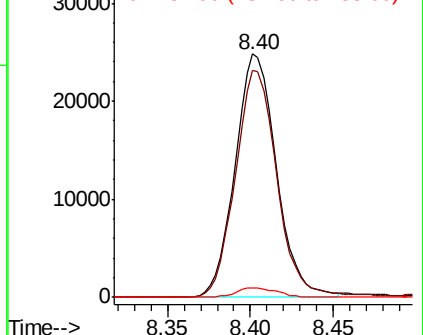
#50
1,2-Dibromoethane
Concen: 5.281 ug/L
RT: 8.40 min Scan# 2336
Delta R.T. -0.00 min
Lab File: VV006906.D
Acq: 07 Aug 2018 19:02

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.3	67.1	124.7
188	3.8	3.0	4.4

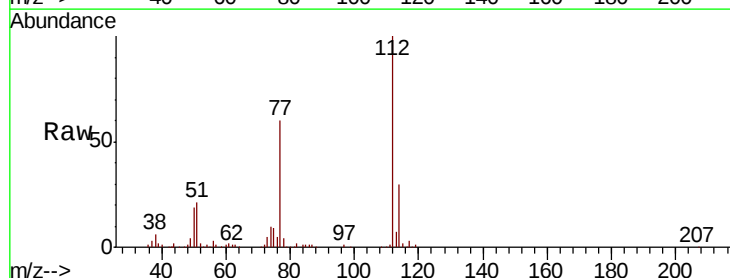


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

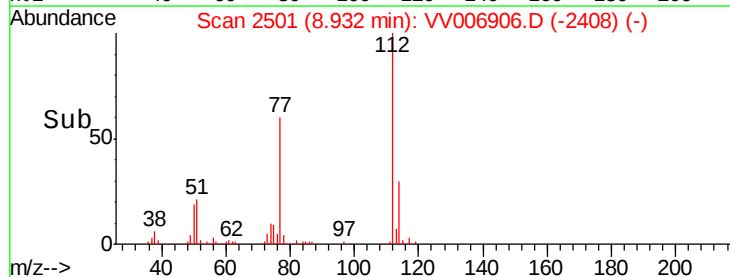
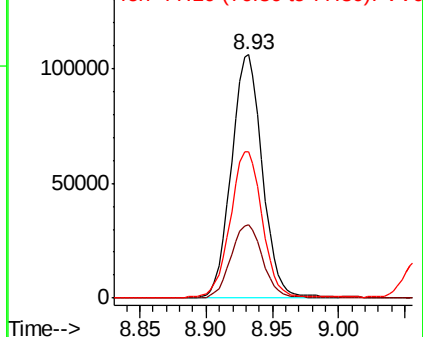


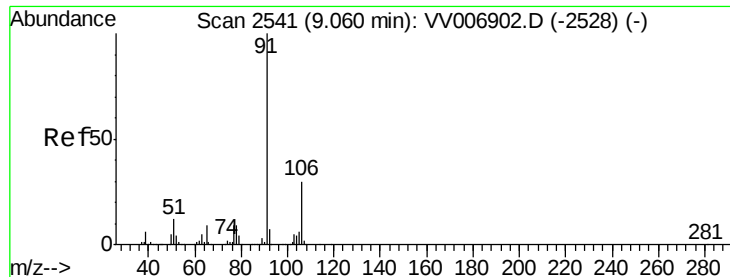
#51
Chlorobenzene
Concen: 5.421 ug/L
RT: 8.93 min Scan# 2501
Delta R.T. 0.00 min
Lab File: VV006906.D
Acq: 07 Aug 2018 19:02

Tgt Ion	Ratio	Lower	Upper
112	100		
114	30.0	22.6	42.0
77	60.3	50.4	75.6



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 5.294 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV006906.D

Acq: 07 Aug 2018 19:02

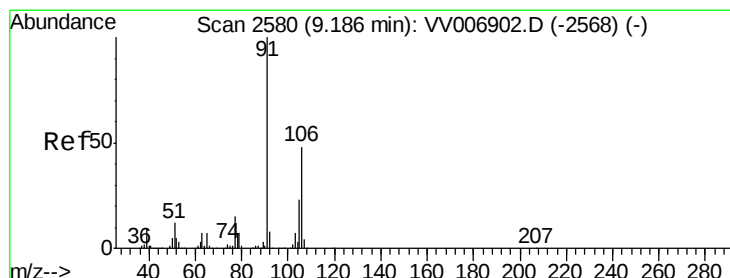
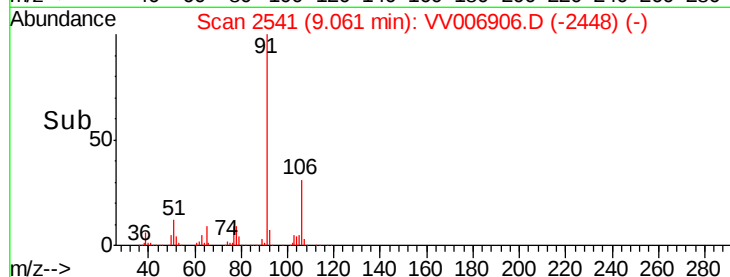
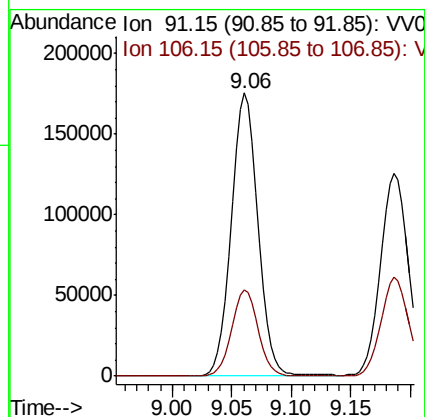
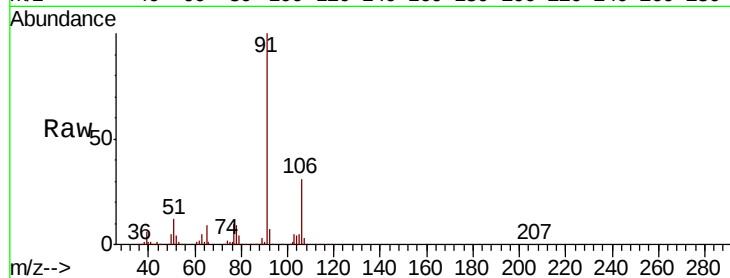
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 273031

Ion Ratio Lower Upper

91 100

106 30.5 21.0 39.0



#53

m,p-xylene

Concen: 5.353 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV006906.D

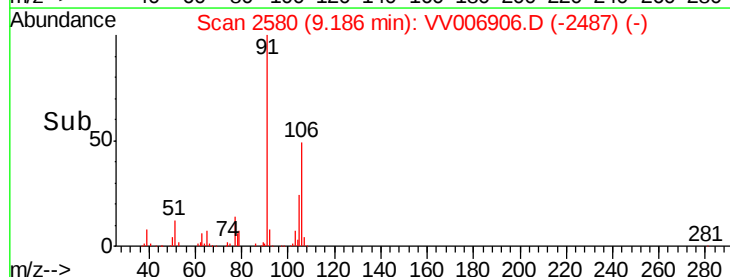
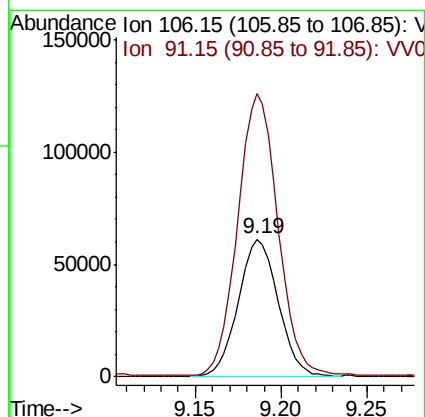
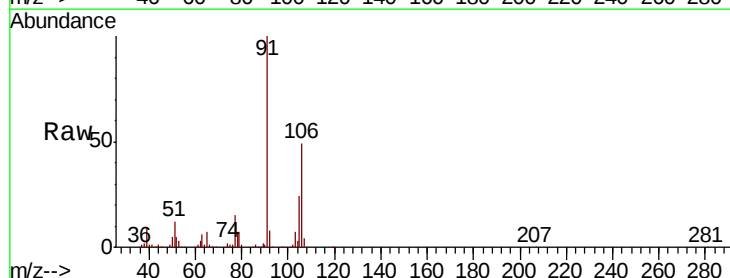
Acq: 07 Aug 2018 19:02

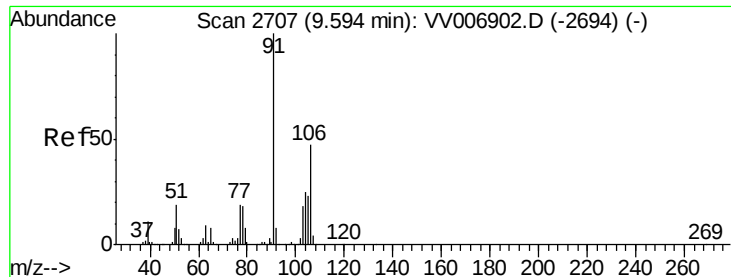
Tgt Ion: 106 Resp: 99342

Ion Ratio Lower Upper

106 100

91 205.7 147.7 274.3





#54

o-xylene

Concen: 5.285 ug/L

RT: 9.59 min Scan# 2706

Delta R.T. -0.00 min

Lab File: VV006906.D

Acq: 07 Aug 2018 19:02

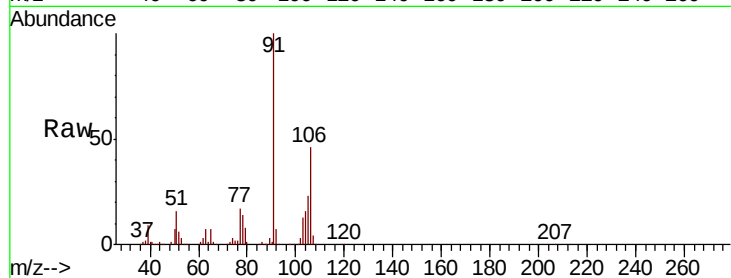
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 96169

Ion Ratio Lower Upper

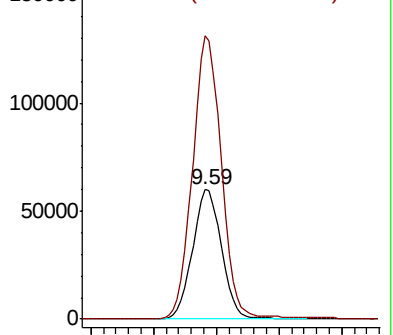
106 100

91 218.3 149.9 278.3

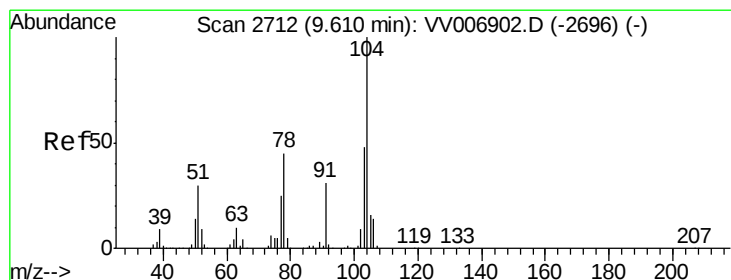
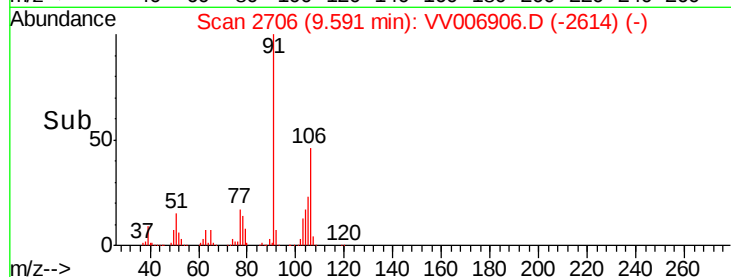


Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



Time--> 9.50 9.55 9.60 9.65 9.70



#55

Styrene

Concen: 5.375 ug/L

RT: 9.61 min Scan# 2712

Delta R.T. 0.00 min

Lab File: VV006906.D

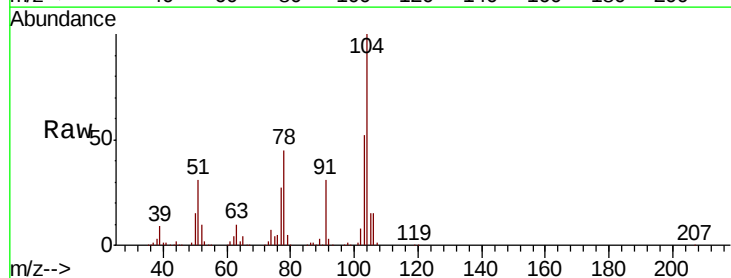
Acq: 07 Aug 2018 19:02

Tgt Ion:104 Resp: 158811

Ion Ratio Lower Upper

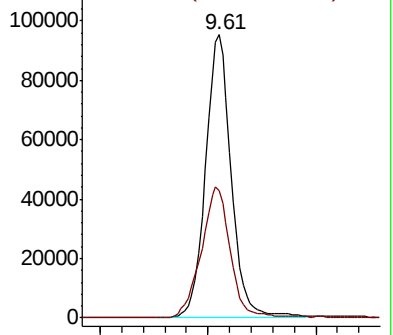
104 100

78 45.1 31.8 59.0

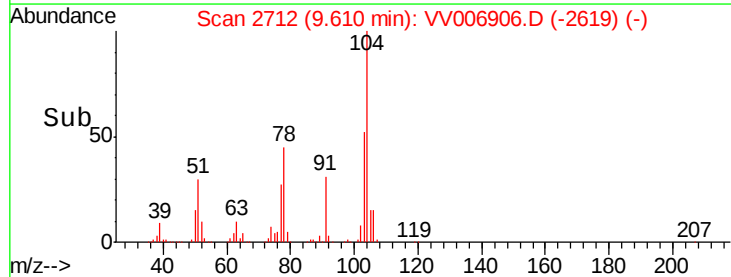


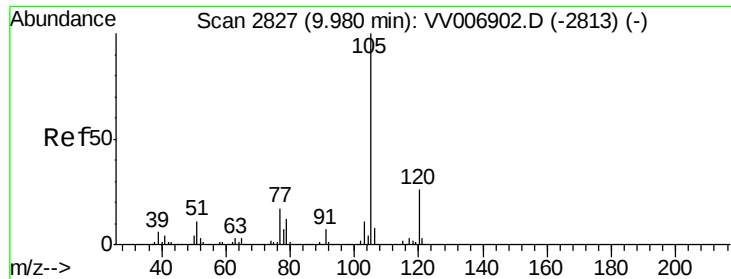
Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0



Time--> 9.50 9.60 9.70





#56

Isopropylbenzene

Concen: 5.403 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV006906.D

Acq: 07 Aug 2018 19:02

Instrument :

MSVOA_V

ClientSampleId :

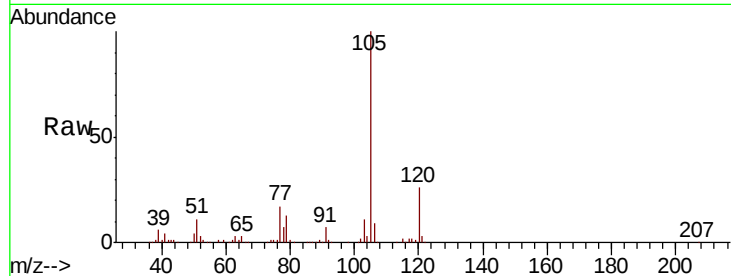
Tot Ion:105 Resp: 255453

Ion Ratio Lower Upper

105 100

120 26.0 21.0 31.6

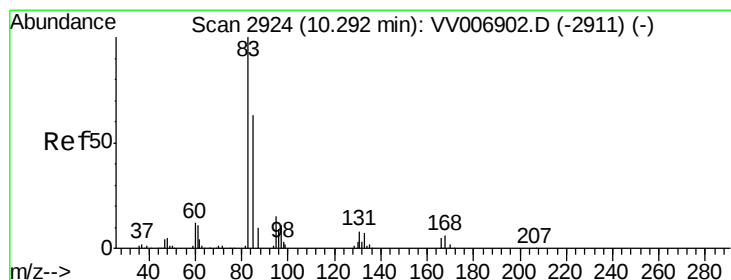
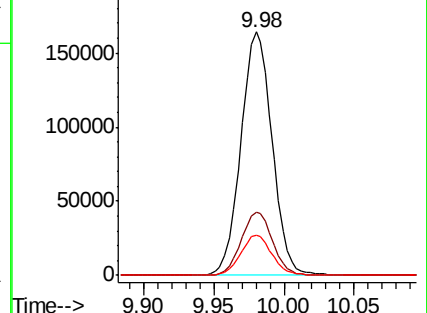
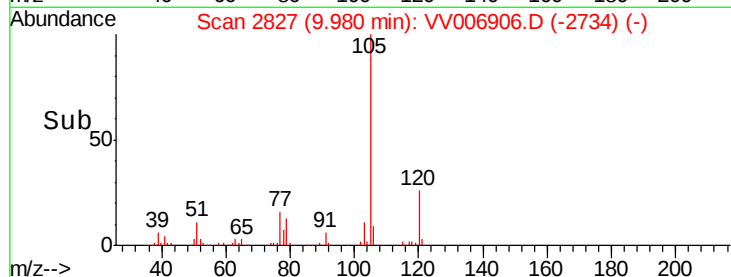
77 16.2 13.7 20.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.136 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VV006906.D

Acq: 07 Aug 2018 19:02

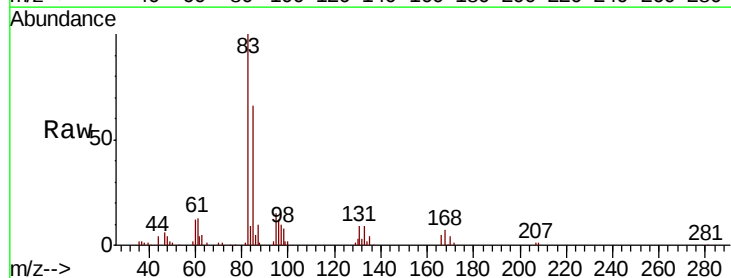
Tgt Ion: 83 Resp: 64759

Ion Ratio Lower Upper

83 100

85 66.1 44.4 82.4

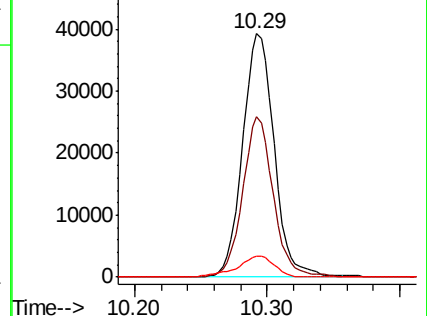
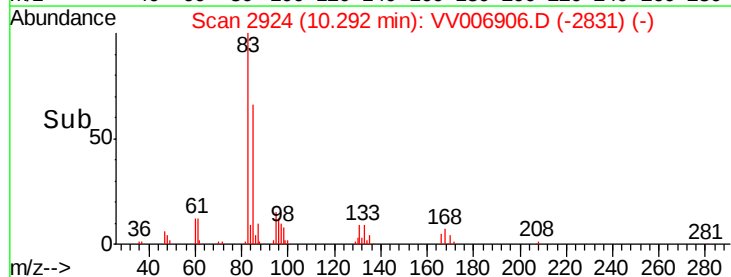
131 8.8 6.6 9.8

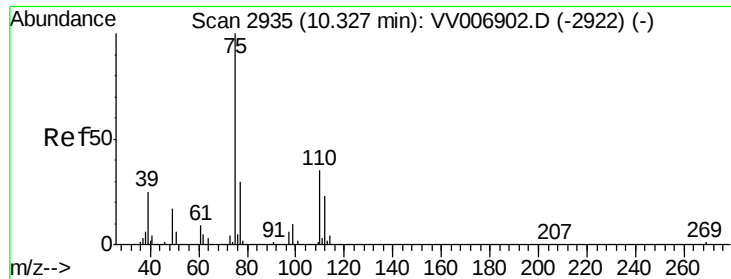


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.132 ug/L

RT: 10.33 min Scan# 2935

Delta R.T. 0.00 min

Lab File: VV006906.D

Acq: 07 Aug 2018 19:02

Instrument :

MSVOA_V

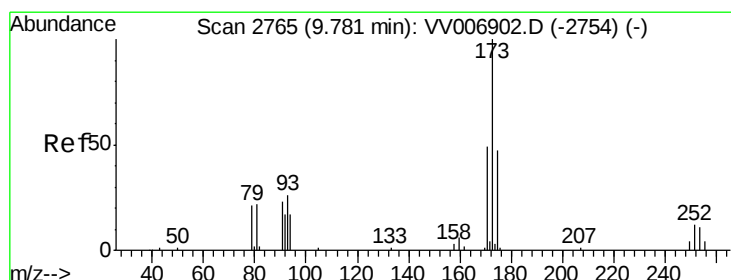
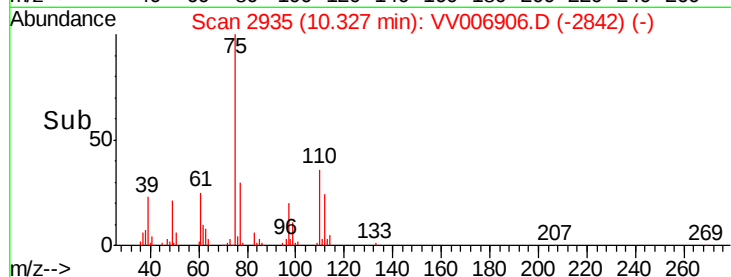
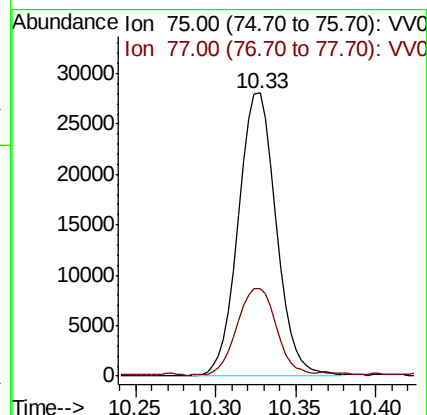
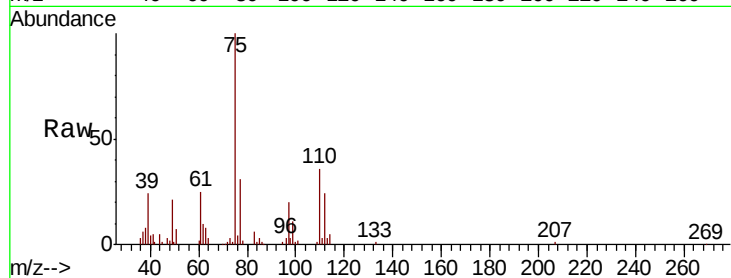
ClientSampleId :

Tot Ion: 75 Resp: 45386

Ion Ratio Lower Upper

75 100

77 31.5 24.5 36.7



#61

Bromoform

Concen: 4.900 ug/L

RT: 9.78 min Scan# 2766

Delta R.T. 0.00 min

Lab File: VV006906.D

Acq: 07 Aug 2018 19:02

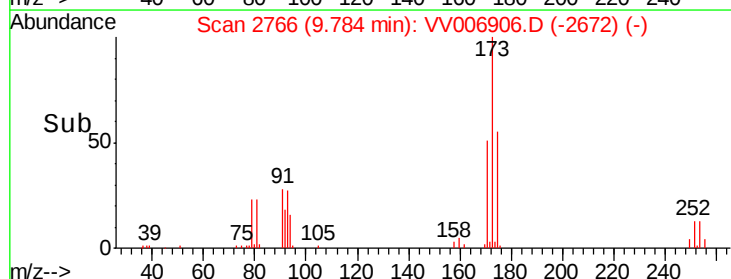
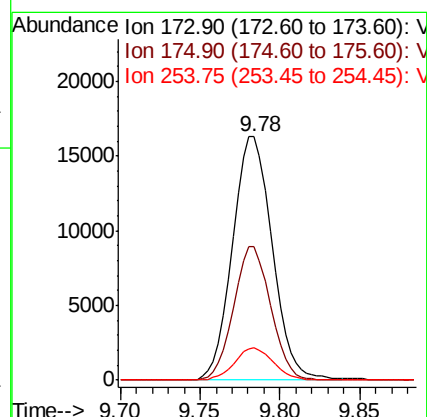
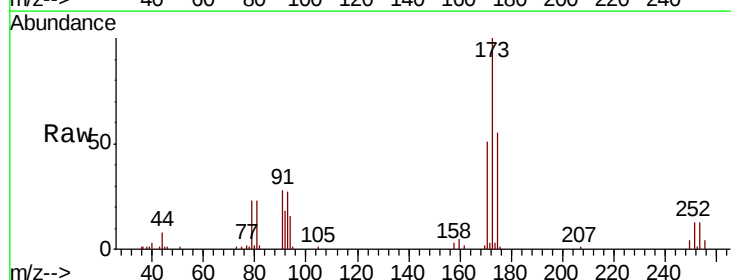
Tgt Ion: 173 Resp: 27720

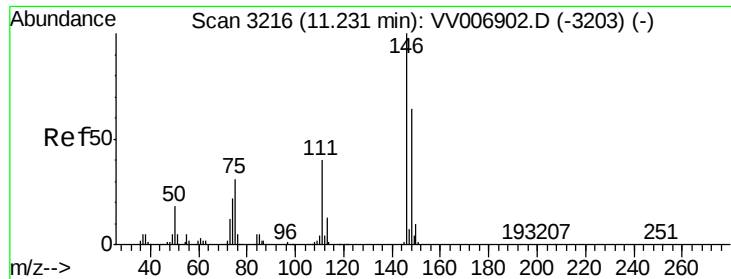
Ion Ratio Lower Upper

173 100

175 51.0 37.9 56.9

254 12.8 8.0 12.0#





#62

1,3-Dichlorobenzene

Concen: 5.392 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. 0.00 min

Lab File: VV006906.D

Acq: 07 Aug 2018 19:02

Instrument :

MSVOA_V

ClientSampled :

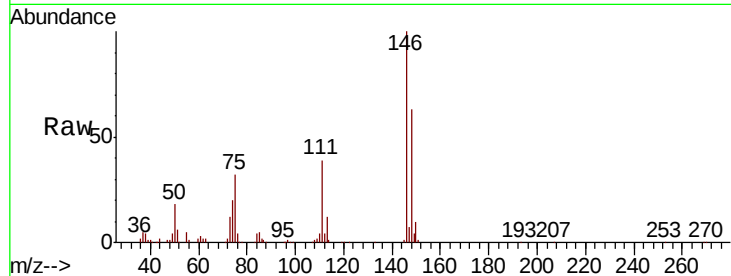
Tot Ion:146 Resp: 118442

Ion Ratio Lower Upper

146 100

111 39.3 28.1 52.1

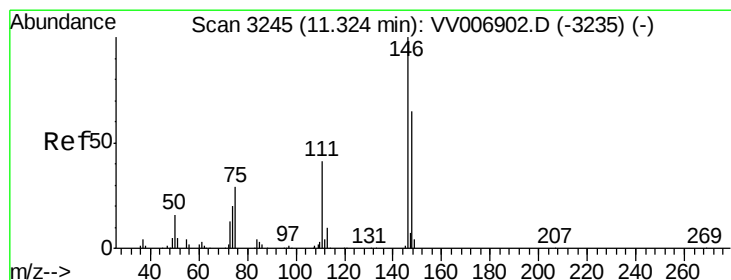
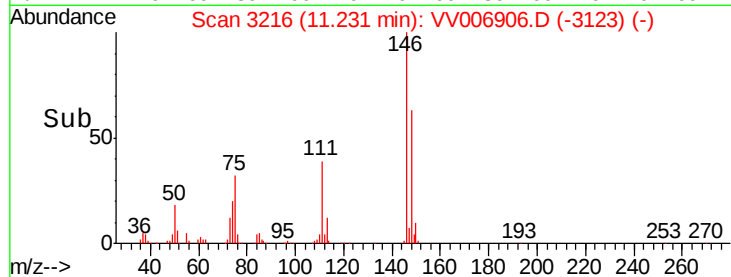
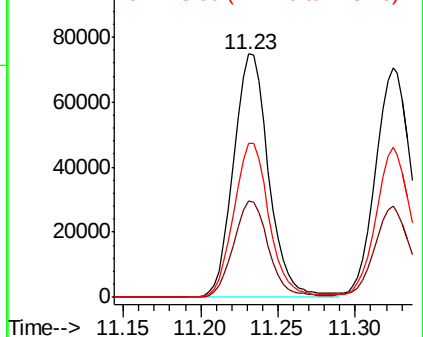
148 63.0 45.0 83.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.443 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. 0.00 min

Lab File: VV006906.D

Acq: 07 Aug 2018 19:02

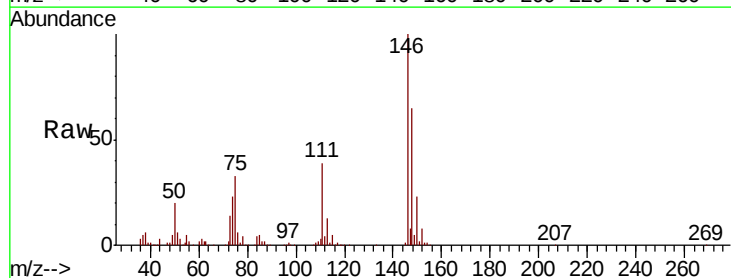
Tgt Ion:146 Resp: 118038

Ion Ratio Lower Upper

146 100

111 39.4 29.0 53.9

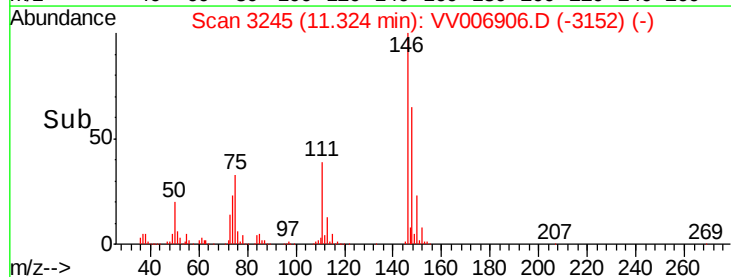
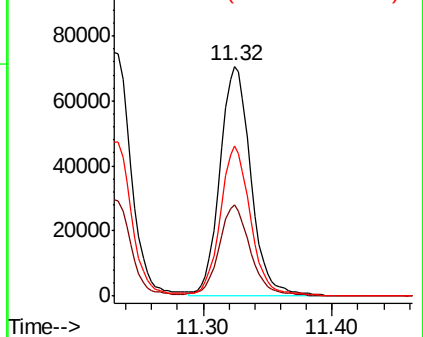
148 65.1 45.7 84.9

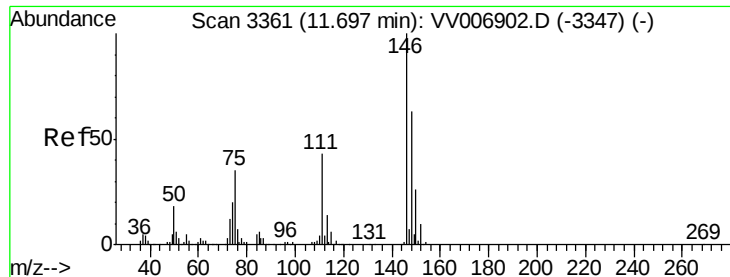


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.337 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. 0.00 min

Lab File: VV006906.D

Acq: 07 Aug 2018 19:02

Instrument :

MSVOA_V

ClientSampled :

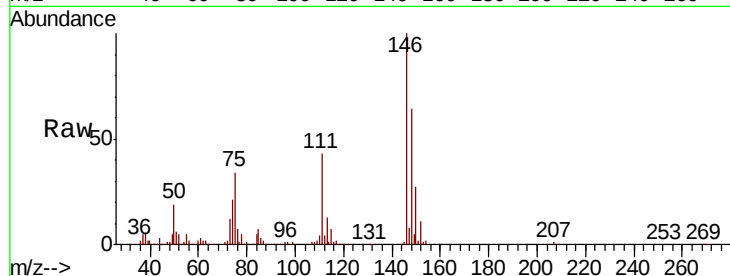
Tot Ion:146 Resp: 116764

Ion Ratio Lower Upper

146 100

111 43.3 34.5 51.7

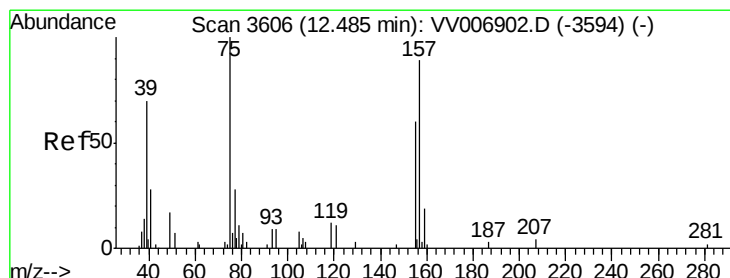
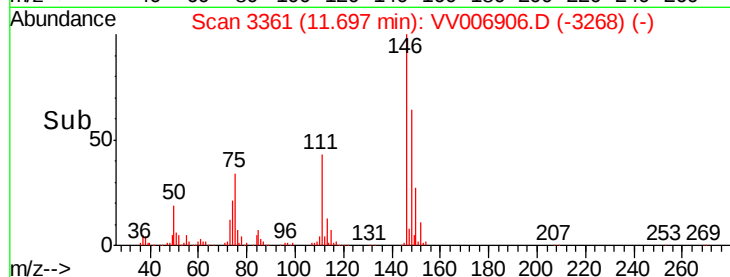
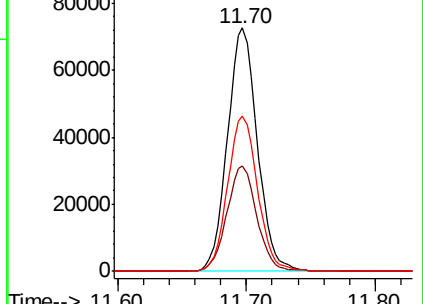
148 63.6 50.3 75.5



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.800 ug/L

RT: 12.48 min Scan# 3606

Delta R.T. 0.00 min

Lab File: VV006906.D

Acq: 07 Aug 2018 19:02

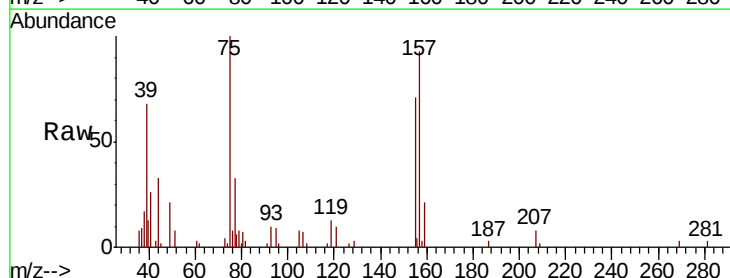
Tgt Ion: 75 Resp: 9160

Ion Ratio Lower Upper

75 100

155 71.1 48.1 72.1

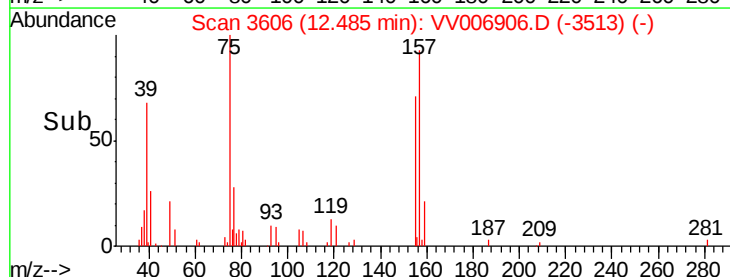
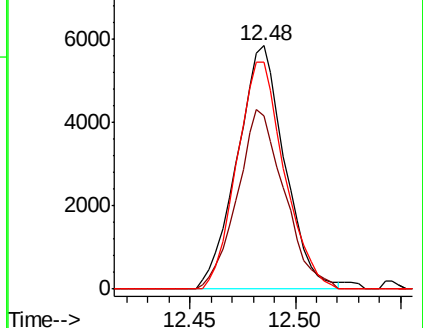
157 93.2 71.4 107.0

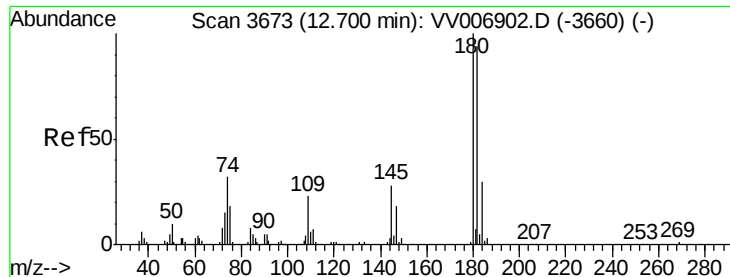


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

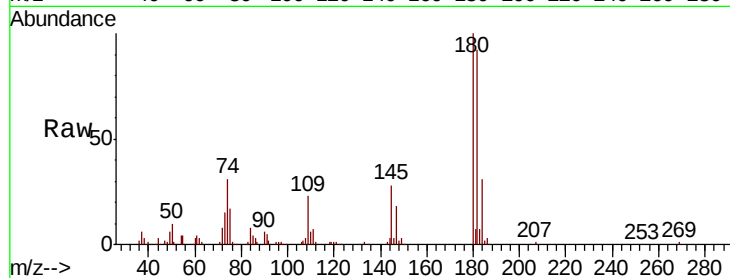




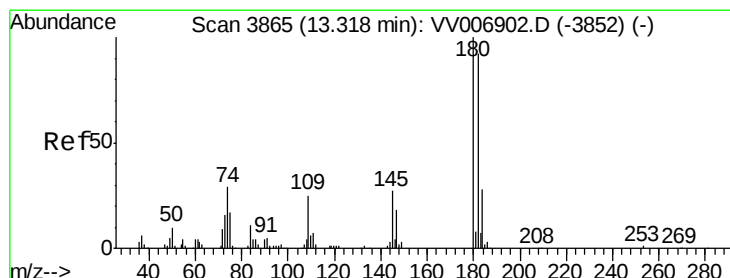
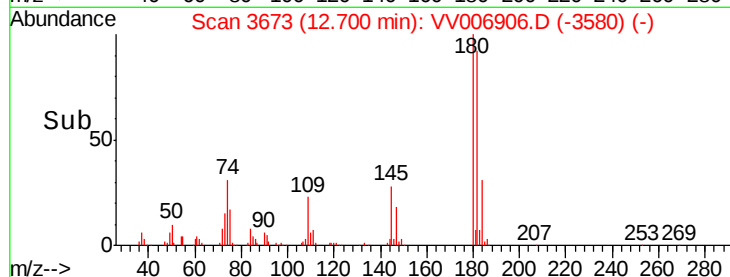
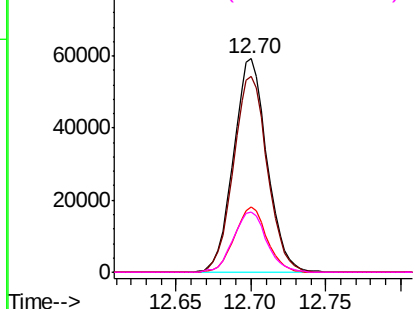
#67
 1,3,5-Trichlorobenzene
 Concen: 5.588 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. 0.00 min
 Lab File: VV006906.D
 Acq: 07 Aug 2018 19:02

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180	Resp:	92245
Ion Ratio	Lower	Upper
180	100	
182	92.8	75.8 113.8
184	29.6	23.8 35.6
145	28.2	22.4 33.6

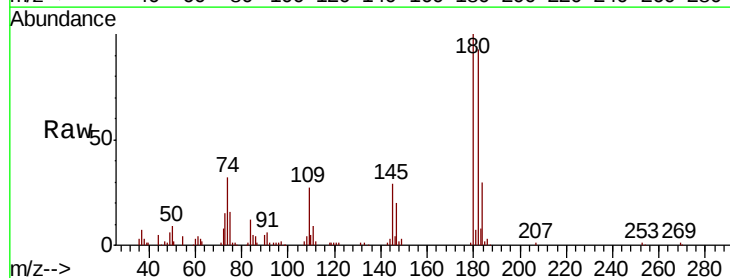


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

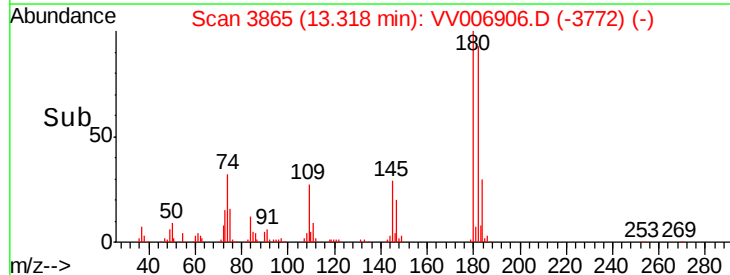
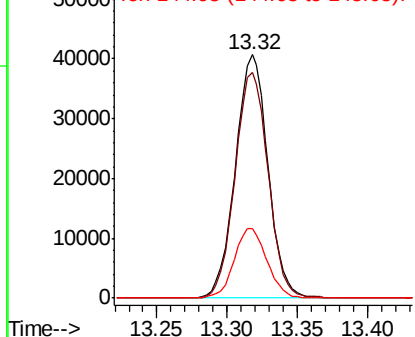


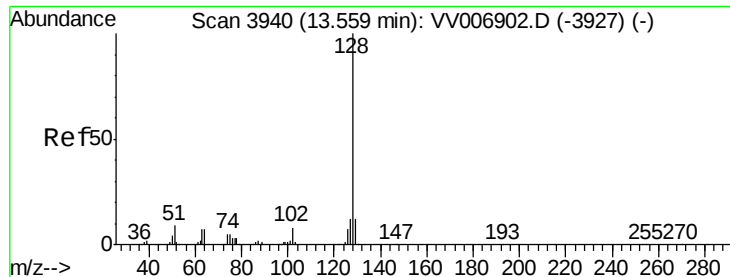
#68
 1,2,4-trichlorobenzene
 Concen: 5.657 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. 0.00 min
 Lab File: VV006906.D
 Acq: 07 Aug 2018 19:02

Tgt Ion:180	Resp:	65894
Ion Ratio	Lower	Upper
180	100	
182	94.1	71.8 107.8
145	28.8	21.0 31.6



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 5.465 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. 0.00 min

Lab File: VV006906.D

Acq: 07 Aug 2018 19:02

Instrument :

MSVOA_V

ClientSampleId :

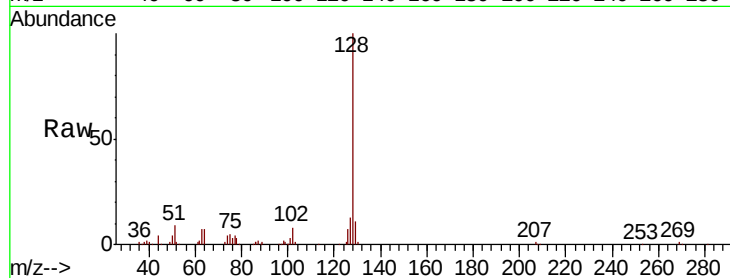
Tot Ion:128 Resp: 99668

Ion Ratio Lower Upper

128 100

129 10.6 9.3 13.9

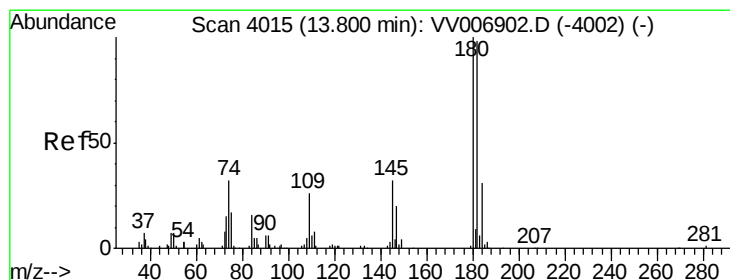
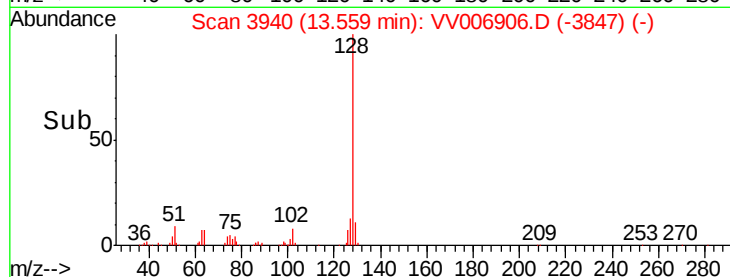
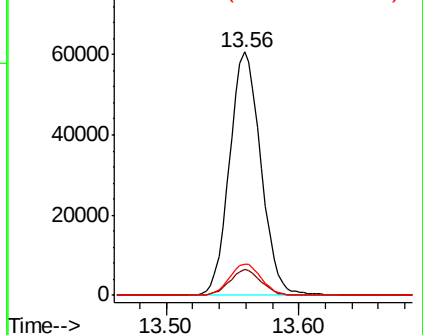
127 13.2 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.655 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. 0.00 min

Lab File: VV006906.D

Acq: 07 Aug 2018 19:02

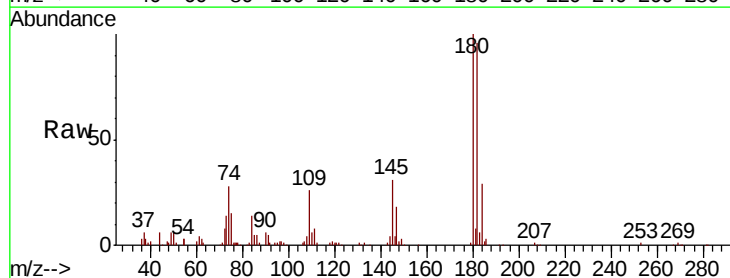
Tgt Ion:180 Resp: 65204

Ion Ratio Lower Upper

180 100

182 93.5 77.0 115.6

145 30.7 25.0 37.6



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

