

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072018\
 Data File : VW004106.D
 Acq On : 21 Jul 2018 06:06
 Operator : SY/AP
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 21 07:01:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jul 21 06:22:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	269553	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	245071	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	123131	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	56175	21.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.28%
7) Chloroethane-d5	2.89	69	40805	21.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.92%
10) 1,1-Dichloroethene-d2	4.02	63	155988	24.39	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	97.56%
20) 2-Butanone-d5	7.09	46	94466	60.42	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	120.84%
24) Chloroform-d	7.65	84	154919	24.21	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.84%
26) 1,2-Dichloroethane-d4	8.31	65	88541	22.98	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.92%
29) Benzene-d6	8.28	84	275102	24.20	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.80%
33) 1,2-Dichloropropane-d6	9.28	67	90811	23.95	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.80%
37) Toluene-d8	10.33	98	244371	23.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.68%
38) trans-1,3-Dichloropropene-	10.58	79	36653	22.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	88.00%
39) 2-Hexanone-d5	10.93	63	66287	64.95	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	129.90%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	110948	26.71	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	106.84%
61) 1,2-Dichlorobenzene-d4	13.86	152	94492	23.87	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.48%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	25389	14.711 ug/L	# 86
3) Chloromethane	2.22	50	66900	24.247 ug/L	95
5) Vinyl chloride	2.36	62	105637	25.427 ug/L	99
6) Bromomethane	2.78	94	50428	22.864 ug/L	100
8) Chloroethane	2.92	64	52502	24.106 ug/L	98
9) Trichlorofluoromethane	3.26	101	58825	28.419 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	110874	30.121 ug/L	98
12) 1,1-Dichloroethene	4.03	96	97722	27.235 ug/L	92
13) Acetone	4.12	43	80429	47.316 ug/L	99
14) Carbon disulfide	4.37	76	313715	27.026 ug/L	100
15) Methyl Acetate	4.67	43	85744	29.569 ug/L	99
16) Methylene chloride	4.92	84	103683	20.050 ug/L	96
17) Methyl tert-butyl Ether	5.43	73	178032	25.655 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	101432	27.458 ug/L	97
19) 1,1-Dichloroethane	6.21	63	192920	27.450 ug/L	99
21) 2-Butanone	7.18	43	117791	55.850 ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	105970	26.839 ug/L	99

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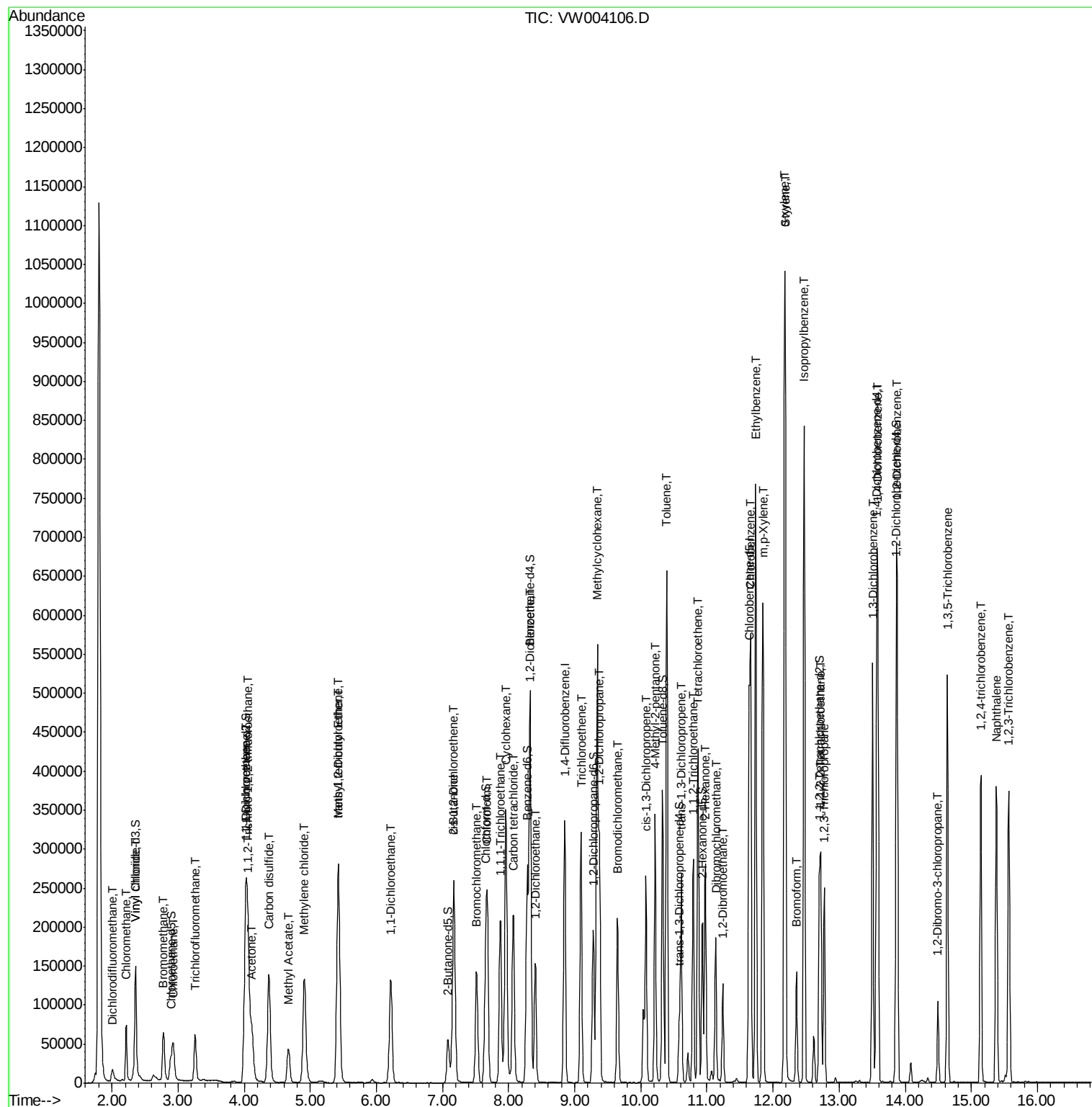
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	48581	26.168	ug/L	97
25) Chloroform	7.68	83	194720	27.132	ug/L	100
27) 1,2-Dichloroethane	8.40	62	138396	26.165	ug/L	99
30) Cyclohexane	7.96	56	191279	32.002	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	168663	30.261	ug/L	99
32) Carbon tetrachloride	8.07	117	160445	29.837	ug/L	100
34) Benzene	8.33	78	433096	28.830	ug/L	100
35) Trichloroethene	9.09	95	114469	28.479	ug/L	99
36) Methylcyclohexane	9.34	83	219864	33.096	ug/L	99
40) 1,2-Dichloropropane	9.37	63	114515	28.120	ug/L	99
41) Bromodichloromethane	9.65	83	136063	27.136	ug/L	97
42) cis-1,3-Dichloropropene	10.08	75	148504	25.880	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	224792	62.790	ug/L	99
44) Toluene	10.39	91	467677	29.710	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	137277	25.937	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	85271	26.942	ug/L	96
47) Tetrachloroethene	10.87	164	96121	29.652	ug/L	98
49) 2-Hexanone	10.98	43	174946	63.120	ug/L	99
50) Dibromochloromethane	11.13	129	96915	27.334	ug/L	97
51) 1,2-Dibromoethane	11.24	107	84195	27.237	ug/L	99
52) Chlorobenzene	11.66	112	281719	27.913	ug/L	97
53) Ethylbenzene	11.74	91	518030	30.402	ug/L	99
54) m,p-Xylene	11.85	106	192958	30.725	ug/L	99
55) o-xylene	12.17	106	180825	30.103	ug/L	97
56) Styrene	12.19	104	310937	29.964	ug/L	100
57) Isopropylbenzene	12.47	105	522598	31.731	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	126449	27.951	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	101299	28.926	ug/L	100
62) Bromoform	12.35	173	63556	27.351	ug/L	100
63) 1,3-Dichlorobenzene	13.51	146	208748	27.526	ug/L	98
64) 1,4-Dichlorobenzene	13.59	146	222625	27.378	ug/L	98
65) 1,2-Dichlorobenzene	13.88	146	201149	27.217	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	26110	30.303	ug/L	99
67) 1,3,5-Trichlorobenzene	14.64	180	162321	27.068	ug/L	98
68) 1,2,4-trichlorobenzene	15.15	180	126067	26.214	ug/L	98
69) Naphthalene	15.38	128	318160	29.383	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	124515	27.212	ug/L	98

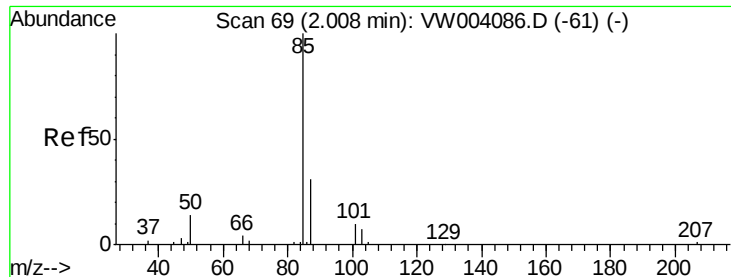
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 14.711 ug/L

RT: 2.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VW004106.D

Acq: 21 Jul 2018 06:06

Instrument :

MSVOA_W

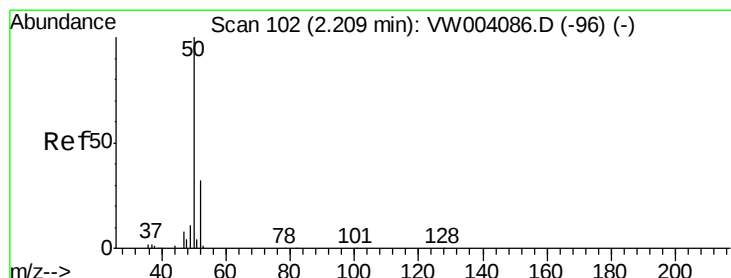
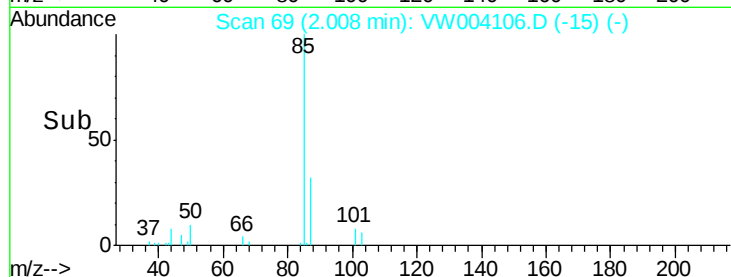
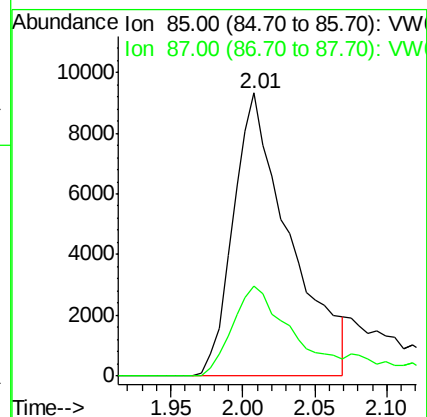
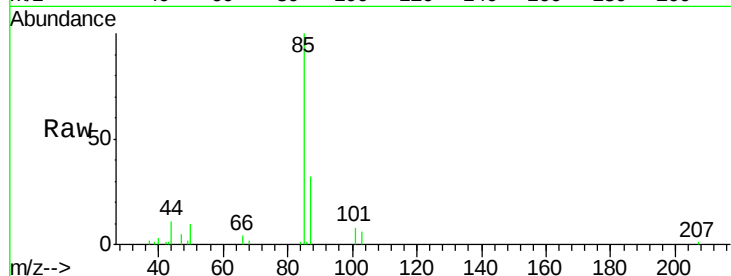
ClientSampled :

Tot Ion: 85 Resp: 25389

Ion Ratio Lower Upper

85 100

87 33.3 0.1 0.1#



#3

Chloromethane

Concen: 24.247 ug/L

RT: 2.22 min Scan# 103

Delta R.T. 0.01 min

Lab File: VW004106.D

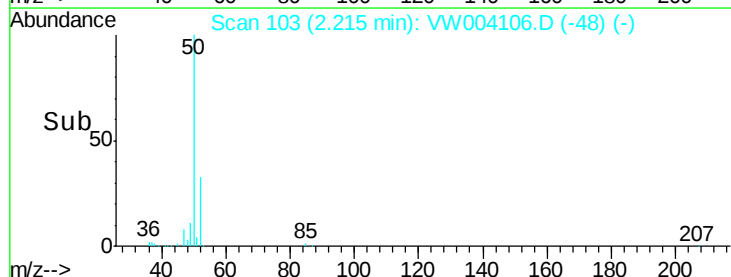
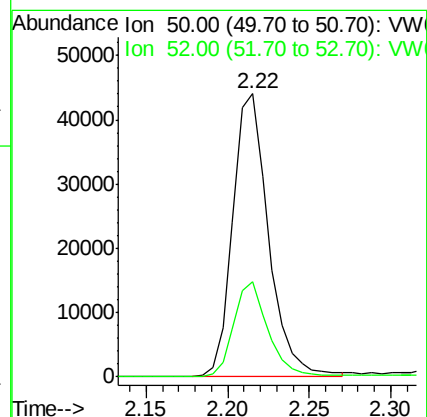
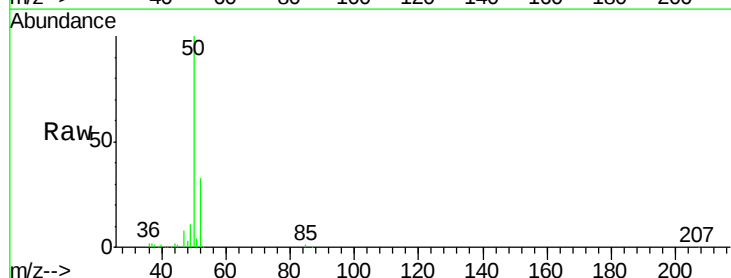
Acq: 21 Jul 2018 06:06

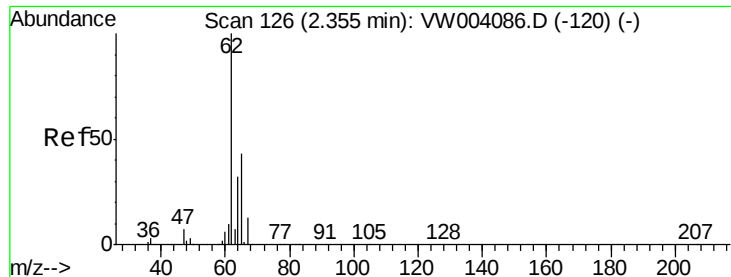
Tgt Ion: 50 Resp: 66900

Ion Ratio Lower Upper

50 100

52 33.5 21.3 39.6





#5

Vinyl chloride

Concen: 25.427 ug/L

RT: 2.36 min Scan# 127

Delta R.T. 0.01 min

Lab File: VW004106.D

Acq: 21 Jul 2018 06:06

Instrument :

MSVOA_W

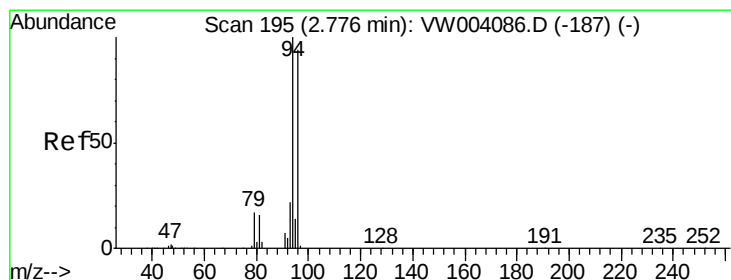
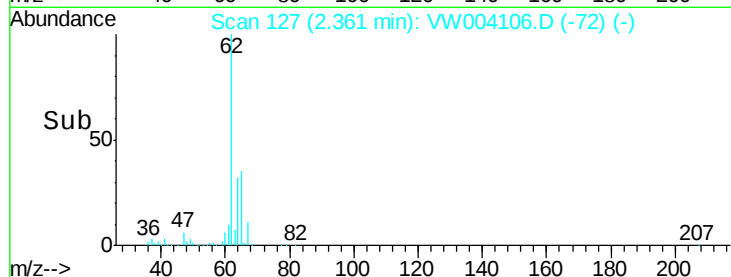
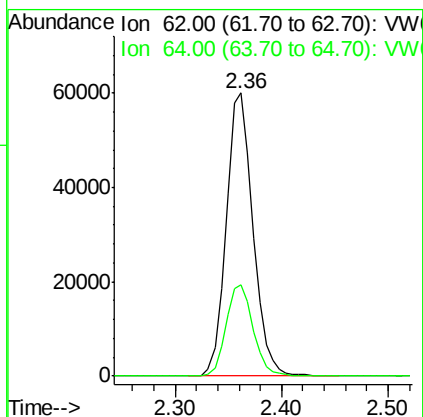
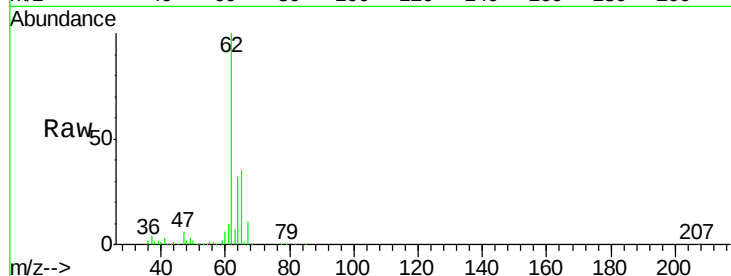
ClientSampled :

Tot Ion: 62 Resp: 105637

Ion Ratio Lower Upper

62 100

64 32.4 23.1 42.9



#6

Bromomethane

Concen: 22.864 ug/L

RT: 2.78 min Scan# 196

Delta R.T. 0.01 min

Lab File: VW004106.D

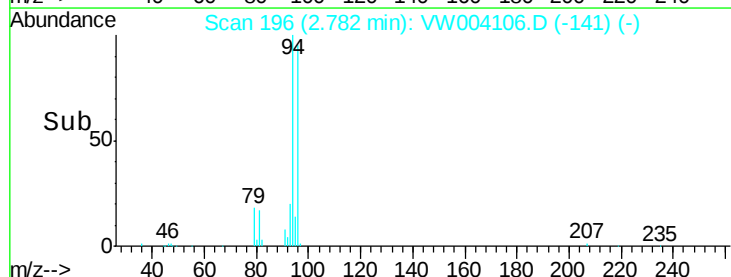
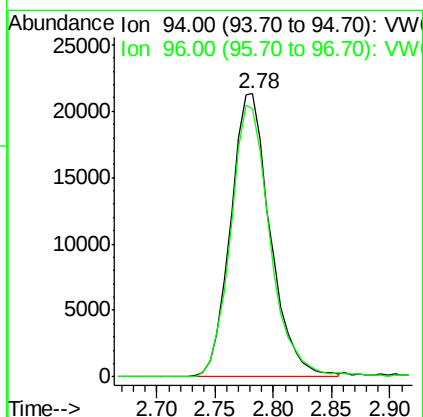
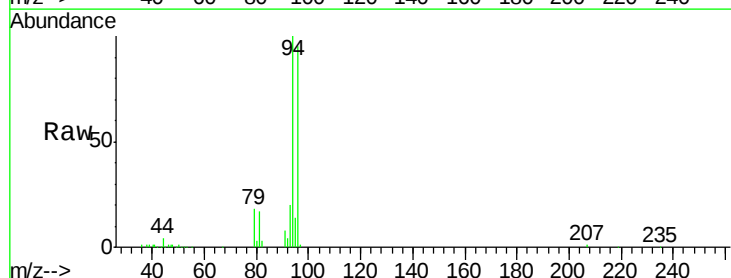
Acq: 21 Jul 2018 06:06

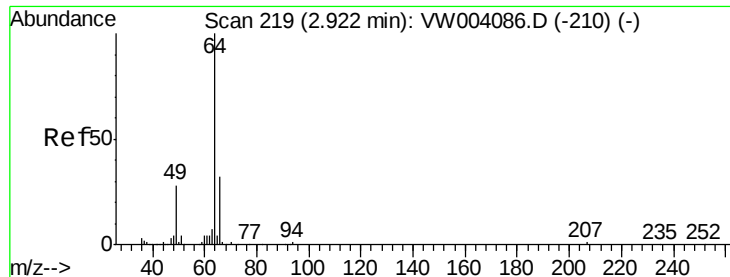
Tgt Ion: 94 Resp: 50428

Ion Ratio Lower Upper

94 100

96 95.0 9.5 179.9





#8

Chloroethane

Concen: 24.106 ug/L

RT: 2.92 min Scan# 219

Delta R.T. 0.00 min

Lab File: VW004106.D

Acq: 21 Jul 2018 06:06

Instrument :

MSVOA_W

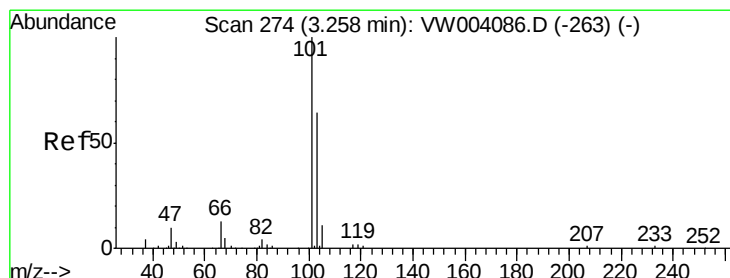
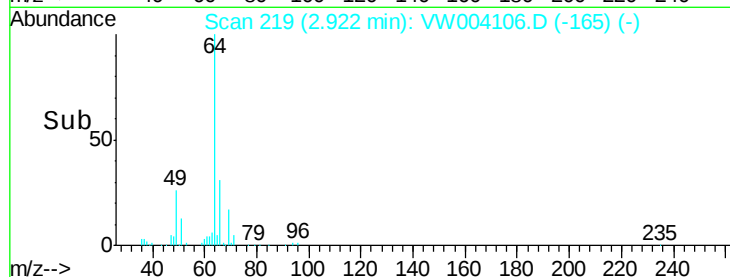
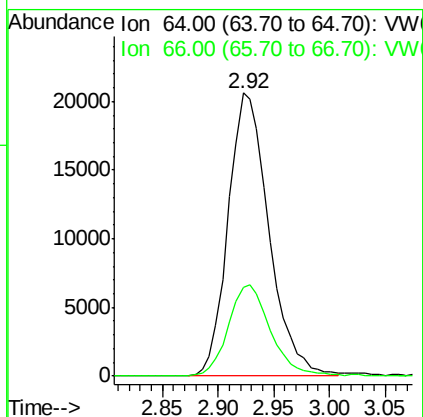
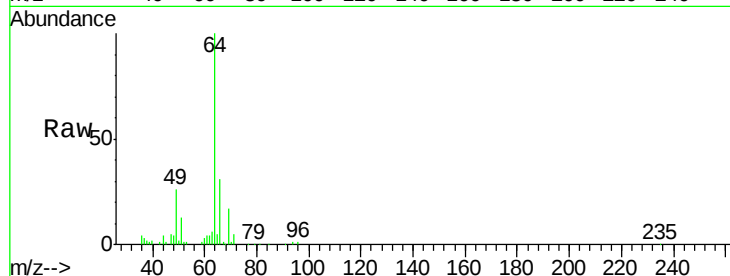
ClientSampleId :

Tot Ion: 64 Resp: 52502

Ion Ratio Lower Upper

64 100

66 31.3 21.2 39.4



#9

Trichlorofluoromethane

Concen: 28.419 ug/L

RT: 3.26 min Scan# 274

Delta R.T. 0.00 min

Lab File: VW004106.D

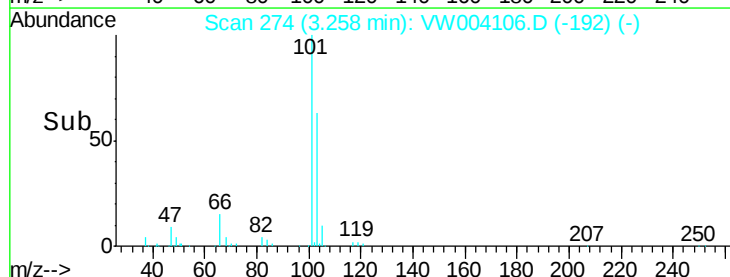
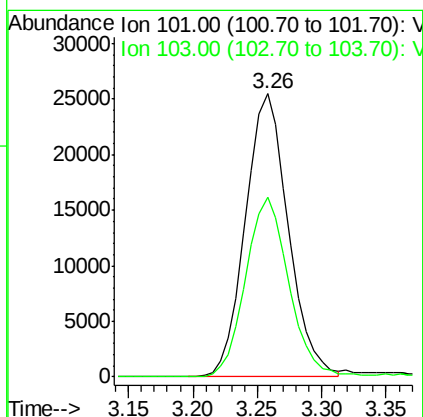
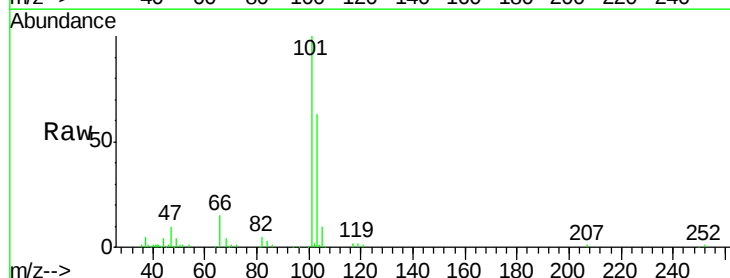
Acq: 21 Jul 2018 06:06

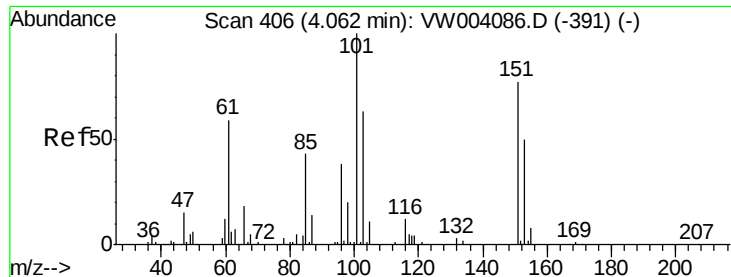
Tgt Ion: 101 Resp: 58825

Ion Ratio Lower Upper

101 100

103 63.4 45.6 84.8





#11

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

Concen: 30.121 ug/L

RT: 4.06 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW004106.D

Acq: 21 Jul 2018 06:06

Instrument :

MSVOA_W

ClientSampleId :

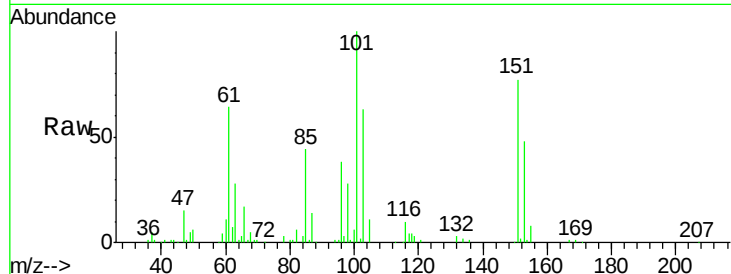
Tot Ion:101 Resp: 110874

Ion Ratio Lower Upper

101 100

85 44.7 36.2 54.4

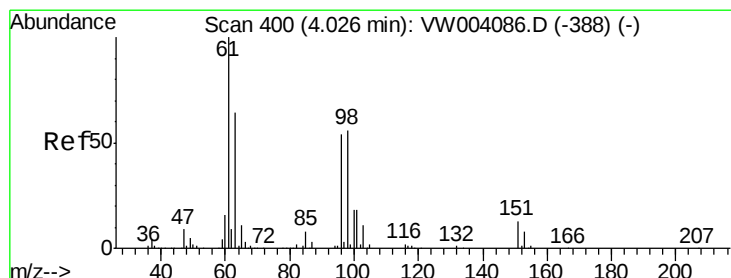
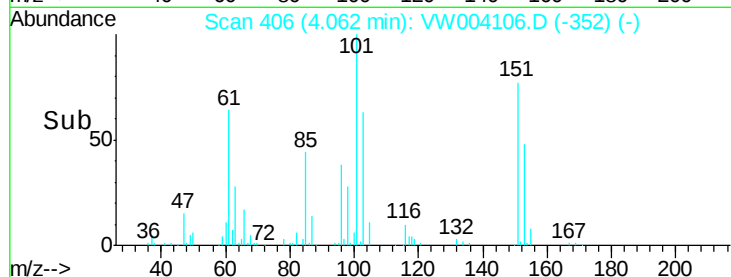
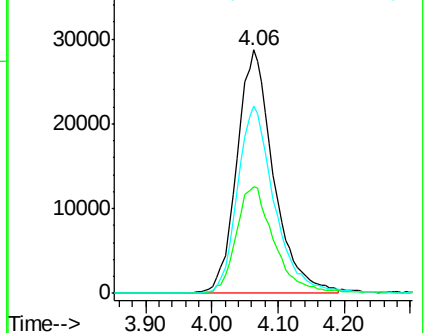
151 76.3 59.5 89.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 27.235 ug/L

RT: 4.03 min Scan# 401

Delta R.T. 0.01 min

Lab File: VW004106.D

Acq: 21 Jul 2018 06:06

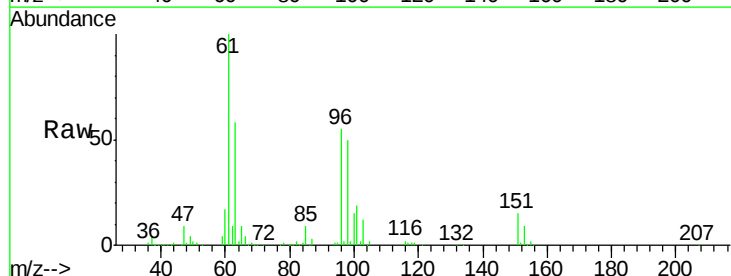
Tgt Ion: 96 Resp: 97722

Ion Ratio Lower Upper

96 100

61 183.2 127.3 236.5

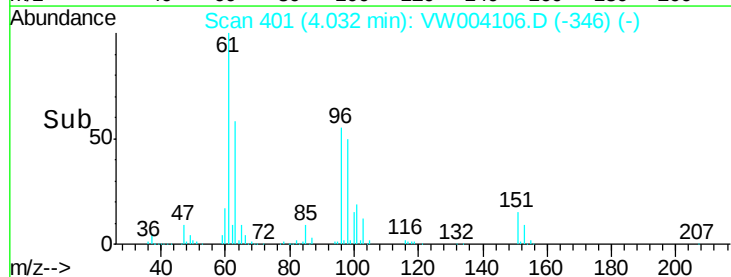
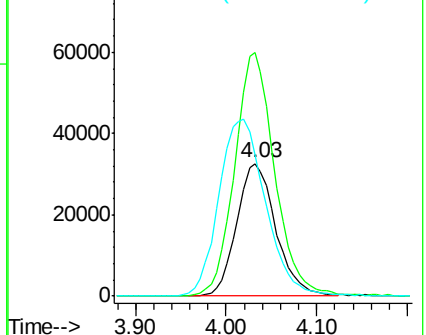
63 106.0 88.5 164.4

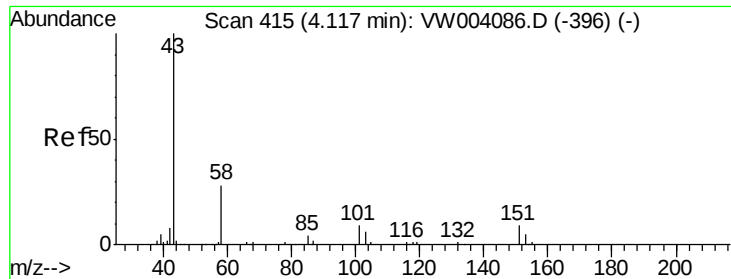


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW

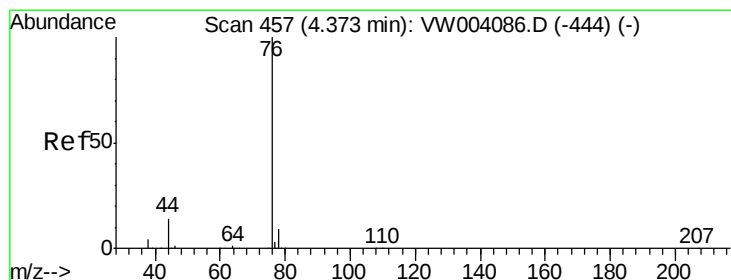
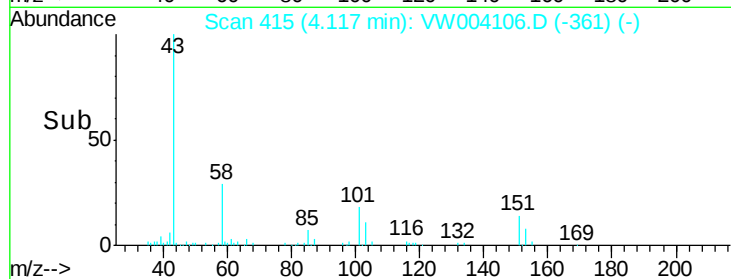
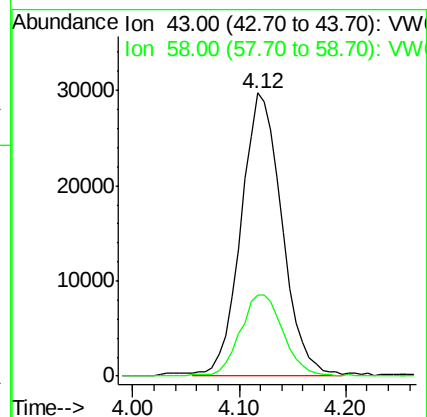
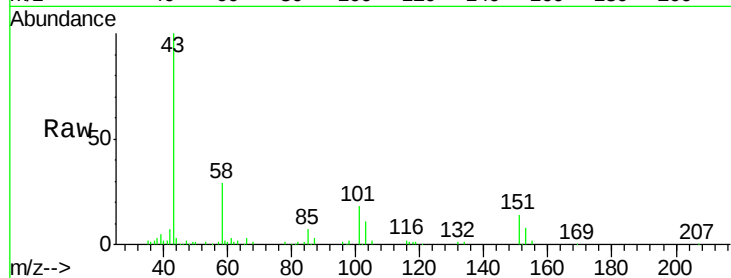




#13
Acetone
Concen: 47.316 ug/L
RT: 4.12 min Scan# 415
Delta R.T. 0.00 min
Lab File: VW004106.D
Acq: 21 Jul 2018 06:06

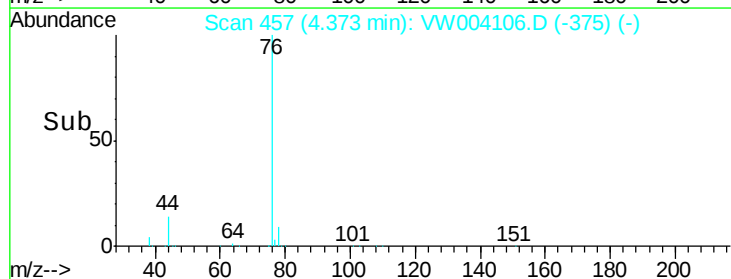
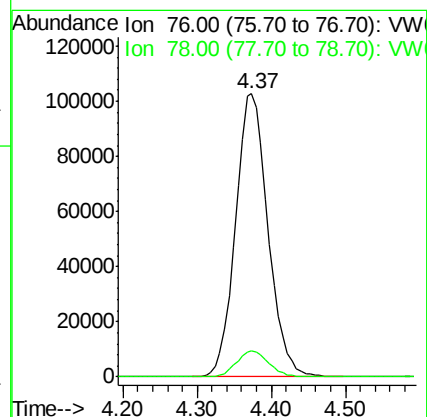
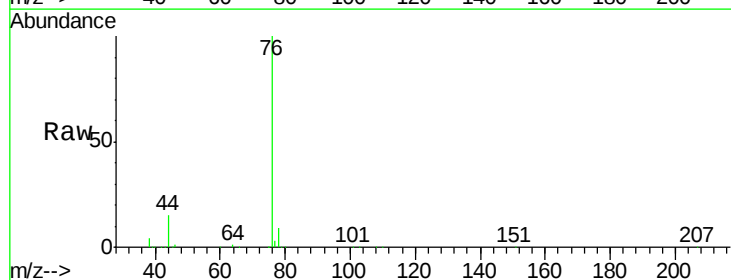
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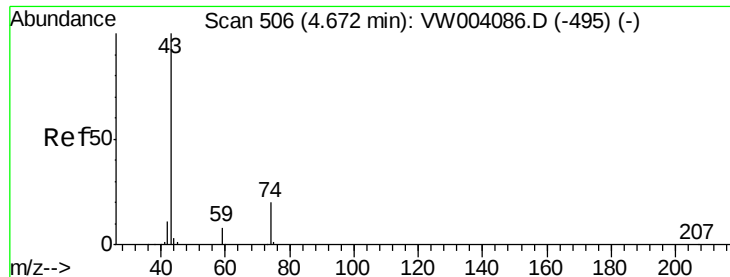
Tot Ion: 43 Resp: 80429
Ion Ratio Lower Upper
43 100
58 30.0 0.0 59.4



#14
Carbon disulfide
Concen: 27.026 ug/L
RT: 4.37 min Scan# 457
Delta R.T. 0.00 min
Lab File: VW004106.D
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Tgt Ion: 76 Resp: 313715
Ion Ratio Lower Upper
76 100
78 9.2 7.3 10.9

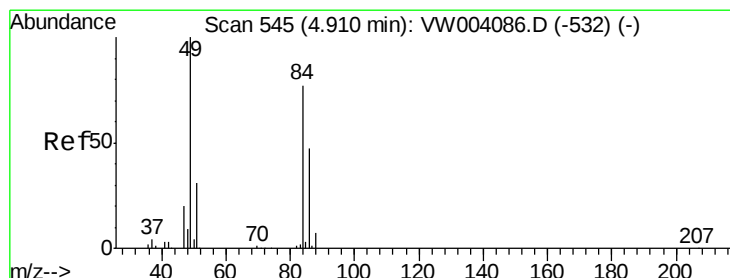
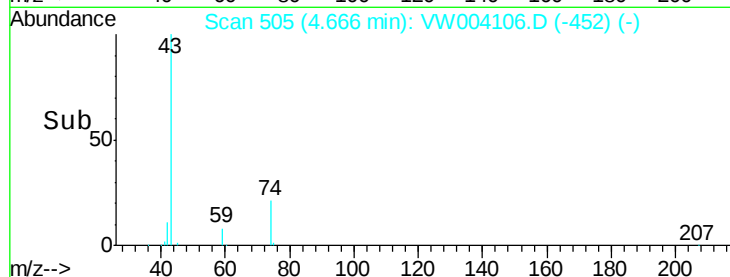
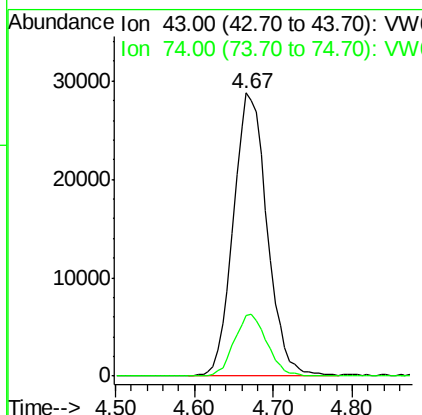
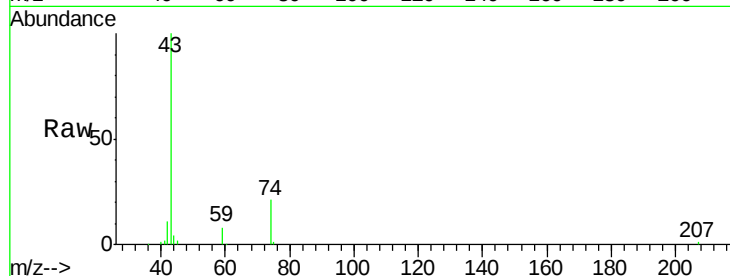




#15
Methyl Acetate
Concen: 29.569 ug/L
RT: 4.67 min Scan# 505
Delta R.T. -0.01 min
Lab File: VW004106.D
Acq: 21 Jul 2018 06:06

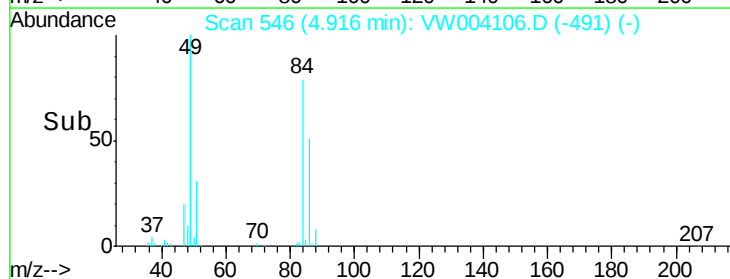
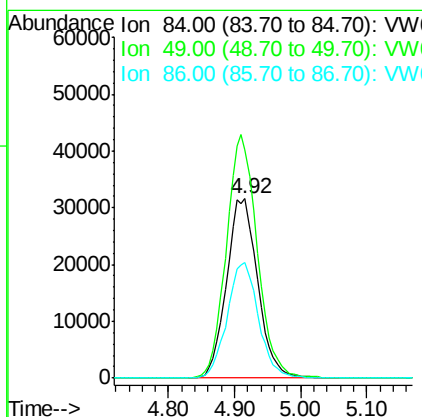
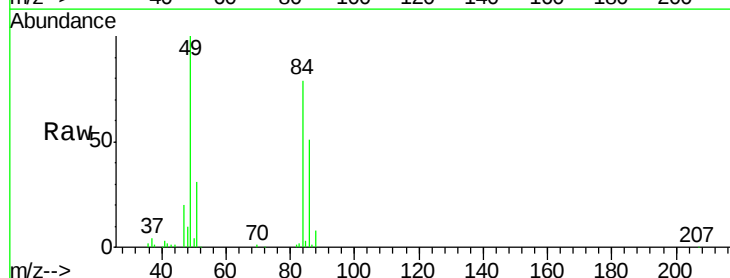
Instrument :
MSVOA_W
ClientSampled :

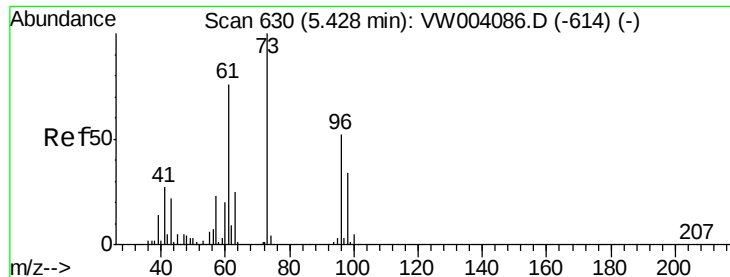
Tot Ion: 43 Resp: 85744
Ion Ratio Lower Upper
43 100
74 21.0 16.6 24.8



#16
Methylene chloride
Concen: 20.050 ug/L
RT: 4.92 min Scan# 546
Delta R.T. 0.01 min
Lab File: VW004106.D
Acq: 21 Jul 2018 06:06

Tgt Ion: 84 Resp: 103683
Ion Ratio Lower Upper
84 100
49 127.3 94.2 175.0
86 64.5 45.1 83.9

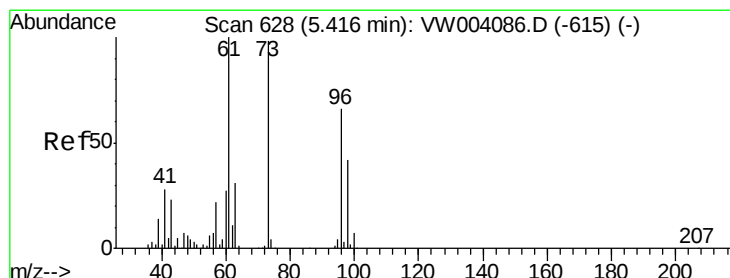
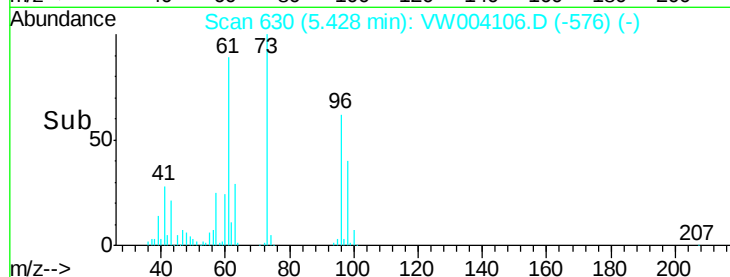
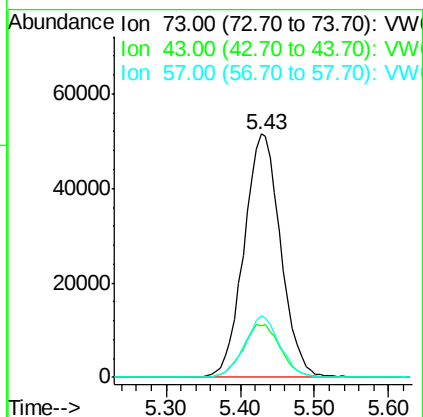
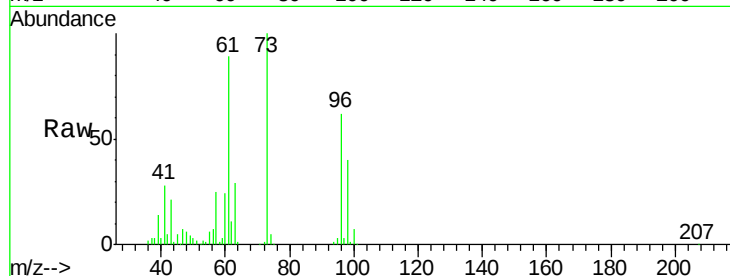




#17
Methvl tert-butvl Ether
Concen: 25.655 ug/L
RT: 5.43 min Scan# 630
Delta R.T. 0.00 min
Lab File: VW004106.D
Acq: 21 Jul 2018 06:06

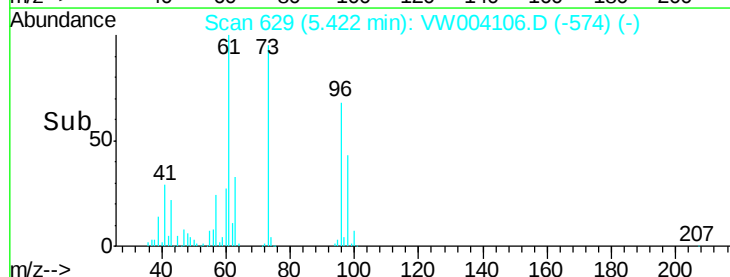
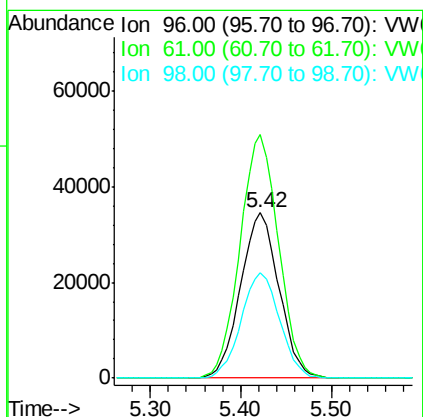
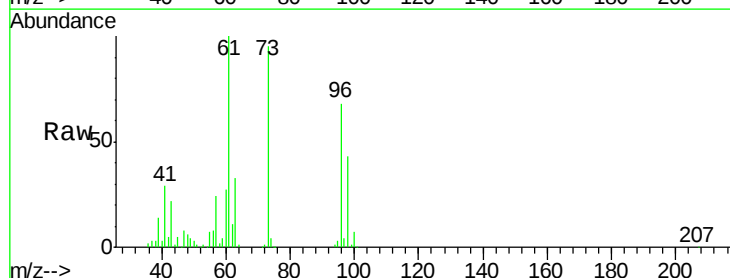
Instrument :
MSVOA_W
ClientSampled :

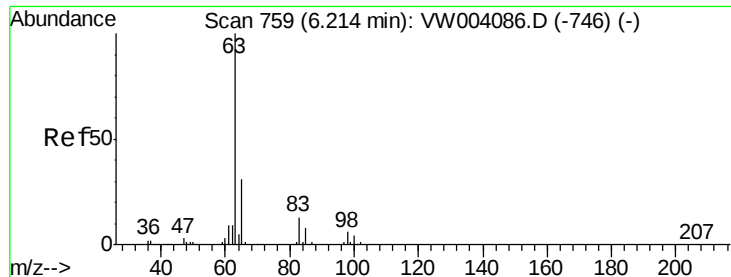
Tot Ion: 73 Resp: 178032
Ion Ratio Lower Upper
73 100
43 22.4 18.1 27.1
57 24.2 19.0 28.4



#18
trans-1,2-Dichloroethene
Concen: 27.458 ug/L
RT: 5.42 min Scan# 629
Delta R.T. 0.01 min
Lab File: VW004106.D
Acq: 21 Jul 2018 06:06

Tgt Ion: 96 Resp: 101432
Ion Ratio Lower Upper
96 100
61 147.6 99.8 185.4
98 63.8 44.9 83.3





#19

1,1-Dichloroethane

Concen: 27.450 ug/L

RT: 6.21 min Scan# 759

Delta R.T. 0.00 min

Lab File: VW004106.D

Acq: 21 Jul 2018 06:06

Instrument :

MSVOA_W

ClientSampleId :

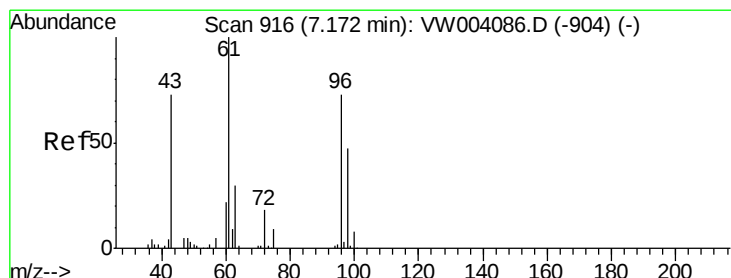
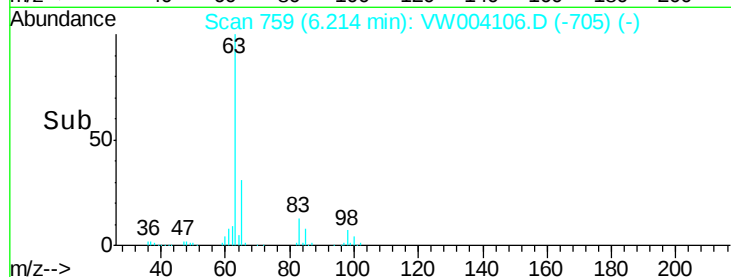
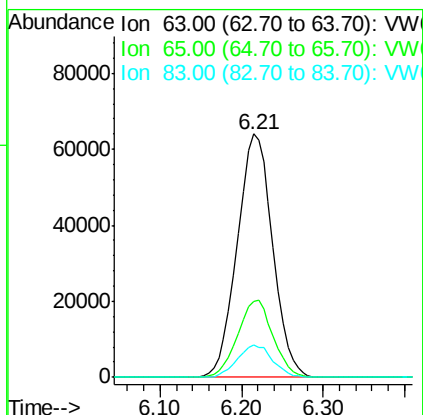
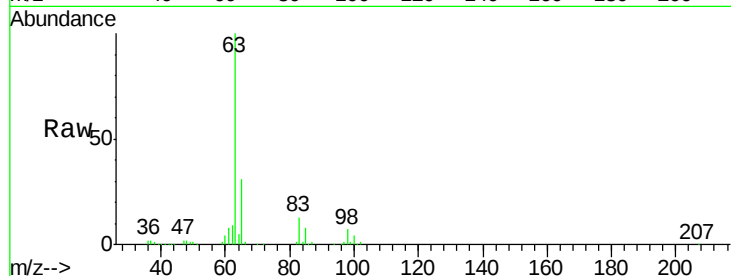
Tot Ion: 63 Resp: 192920

Ion Ratio Lower Upper

63 100

65 31.0 22.4 41.6

83 13.4 9.2 17.2



#21

2-Butanone

Concen: 55.850 ug/L

RT: 7.18 min Scan# 917

Delta R.T. 0.01 min

Lab File: VW004106.D

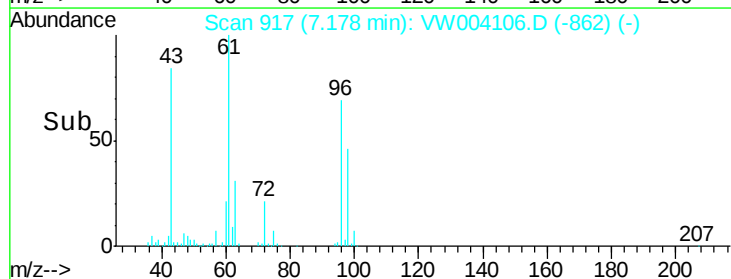
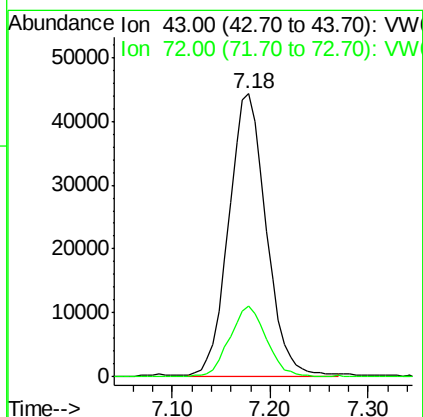
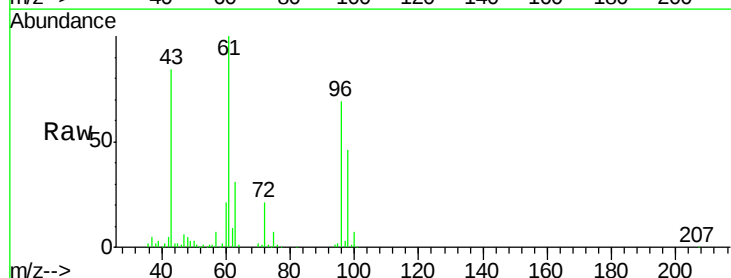
Acq: 21 Jul 2018 06:06

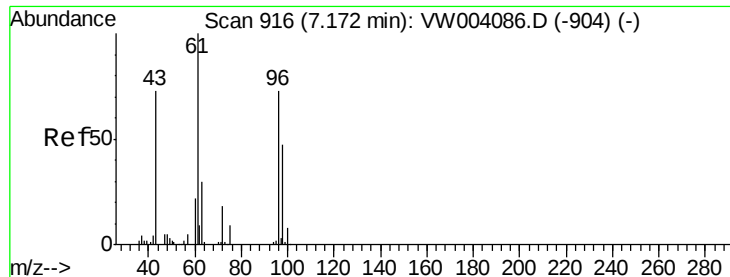
Tgt Ion: 43 Resp: 117791

Ion Ratio Lower Upper

43 100

72 24.6 12.1 36.3



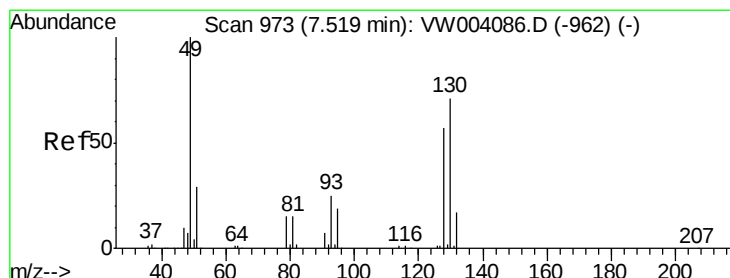
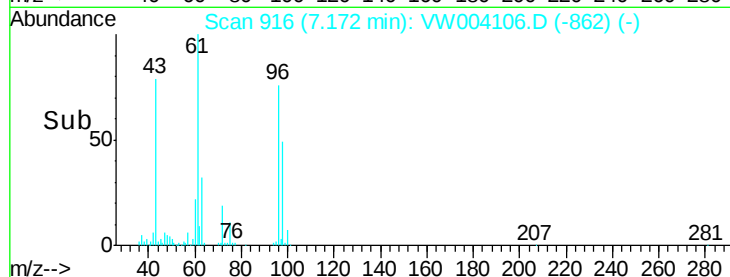
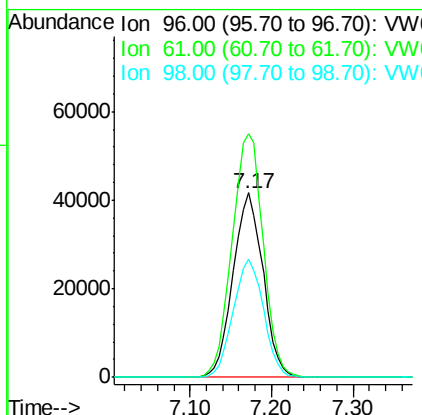
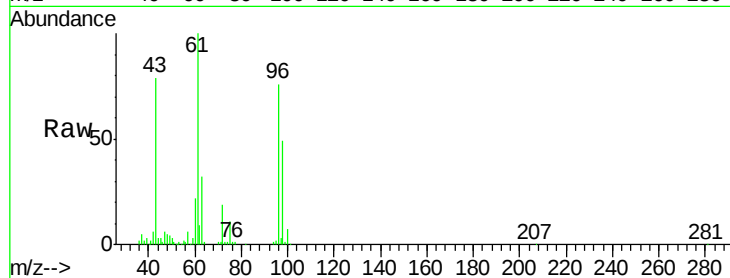


#22

cis-1,2-Dichloroethene
 Concen: 26.839 ug/L
 RT: 7.17 min Scan# 916
 Delta R.T. 0.00 min
 Lab File: VW004106.D
 Acq: 21 Jul 2018 06:06

Instrument :
 MSVOA_W
 ClientSampleId :

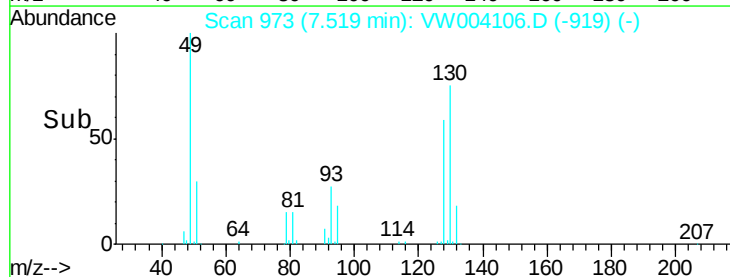
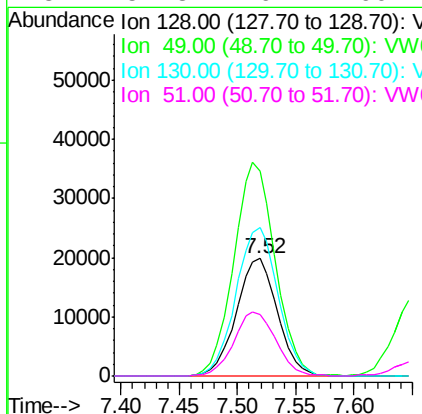
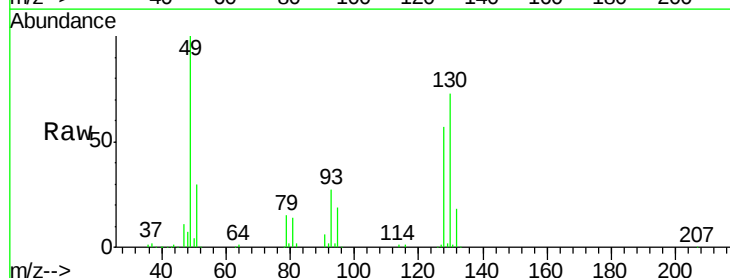
Tot Ion: 96 Resp: 105970
 Ion Ratio Lower Upper
 96 100
 61 132.2 92.5 171.9
 98 64.3 43.0 80.0

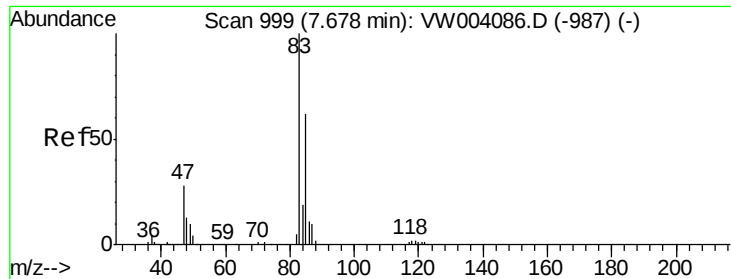


#23

Bromochloromethane
 Concen: 26.168 ug/L
 RT: 7.52 min Scan# 973
 Delta R.T. 0.00 min
 Lab File: VW004106.D
 Acq: 21 Jul 2018 06:06

Tgt Ion: 128 Resp: 48581
 Ion Ratio Lower Upper
 128 100
 49 175.2 126.4 234.8
 130 127.1 87.8 163.0
 51 52.8 46.2 69.2

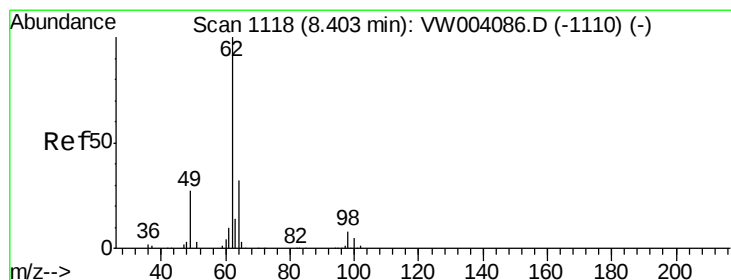
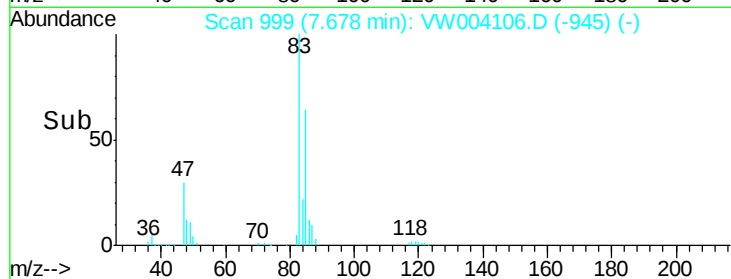
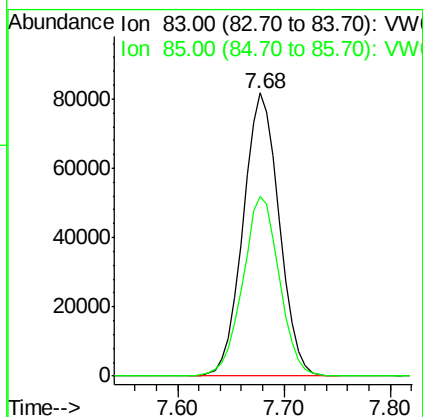
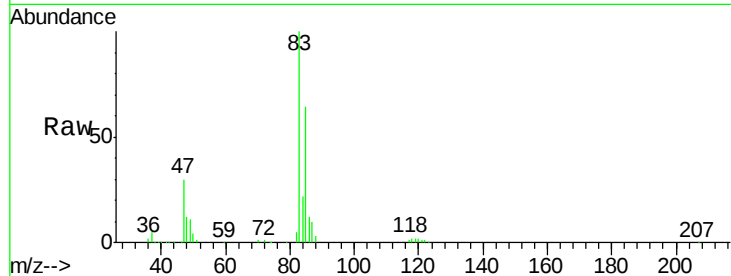




#25
Chloroform
Concen: 27.132 ug/L
RT: 7.68 min Scan# 999
Delta R.T. 0.00 min
Lab File: VW004106.D
Acq: 21 Jul 2018 06:06

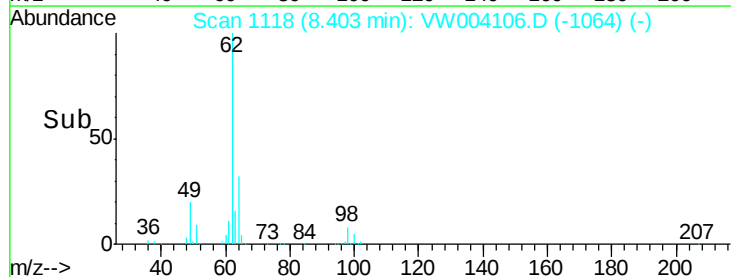
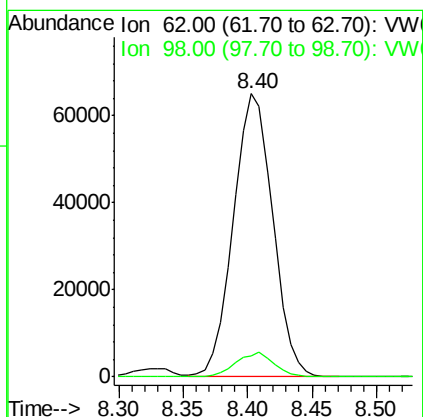
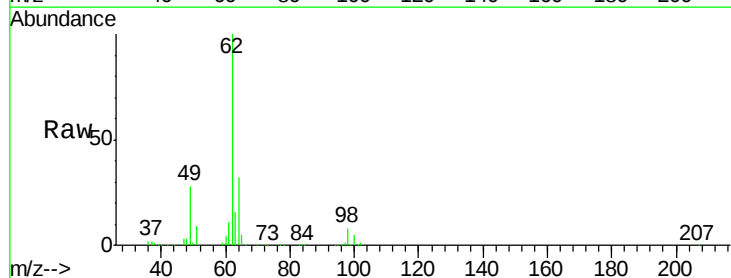
Instrument :
MSVOA_W
ClientSampleId :

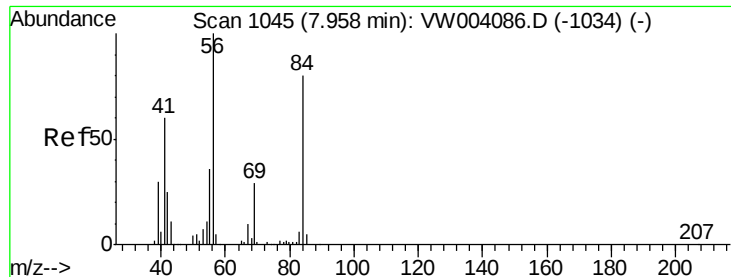
Tot Ion: 83 Resp: 194720
Ion Ratio Lower Upper
83 100
85 64.5 45.3 84.1



#27
1,2-Dichloroethane
Concen: 26.165 ug/L
RT: 8.40 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VW004106.D
Acq: 21 Jul 2018 06:06

Tgt Ion: 62 Resp: 138396
Ion Ratio Lower Upper
62 100
98 7.5 6.2 9.4

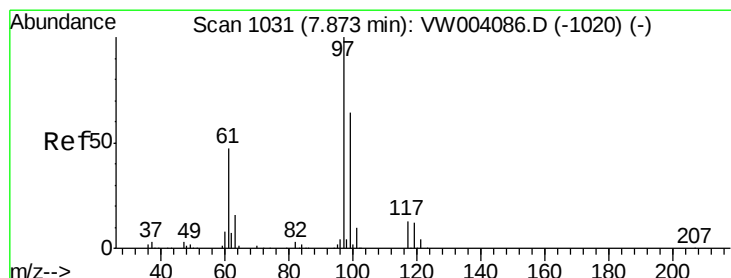
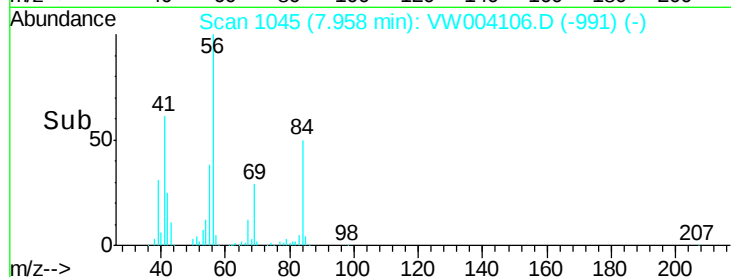
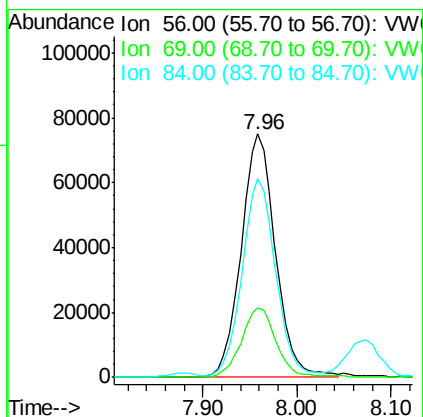
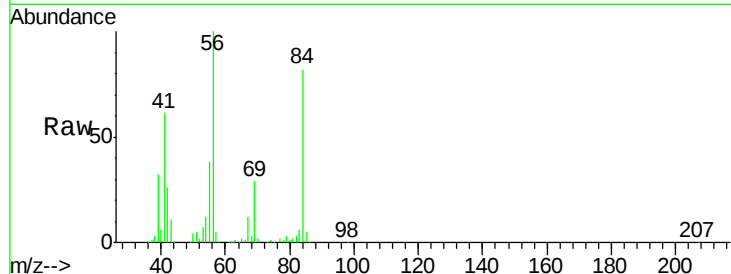




#30
Cyclohexane
Concen: 32.002 ug/L
RT: 7.96 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VW004106.D
Acq: 21 Jul 2018 06:06

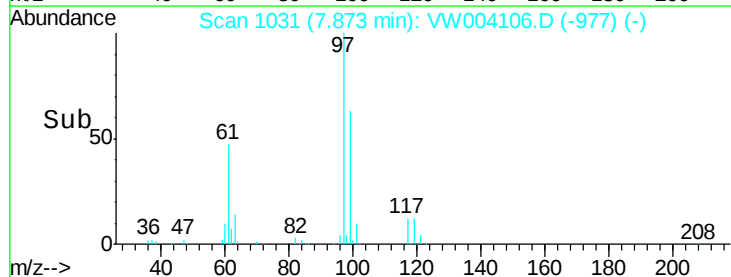
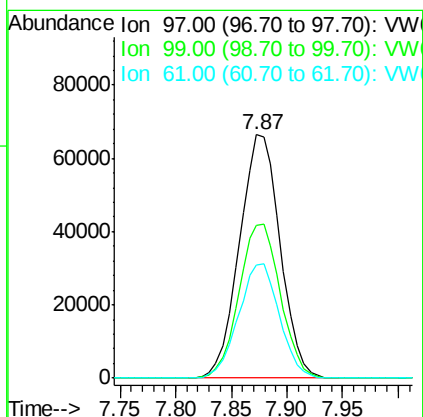
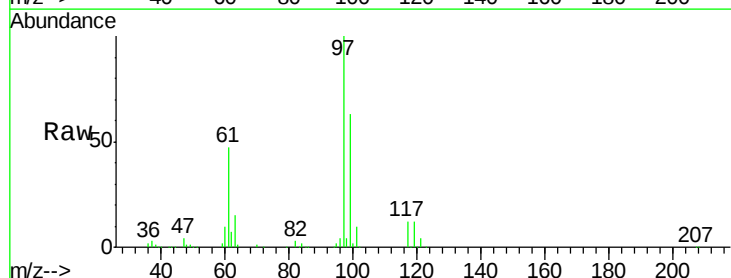
Instrument :
MSVOA_W
ClientSampled :

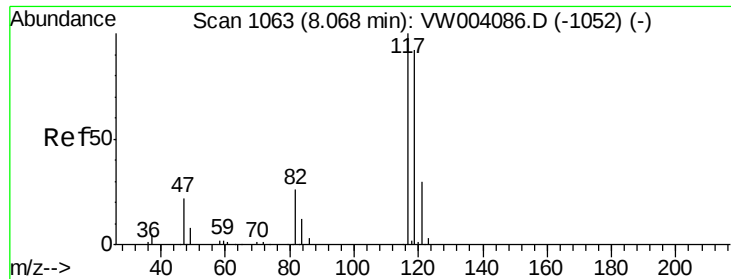
Tot Ion	Ratio	Lower	Upper
56	100		
69	28.6	22.8	34.2
84	80.3	64.6	96.8



#31
1,1,1-Trichloroethane
Concen: 30.261 ug/L
RT: 7.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VW004106.D
Acq: 21 Jul 2018 06:06

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.8	77.6
61	47.1	38.6	57.8



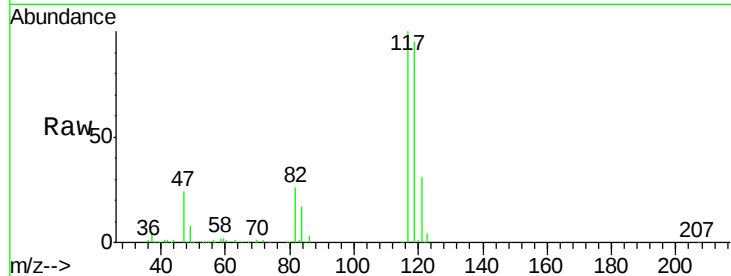


#32

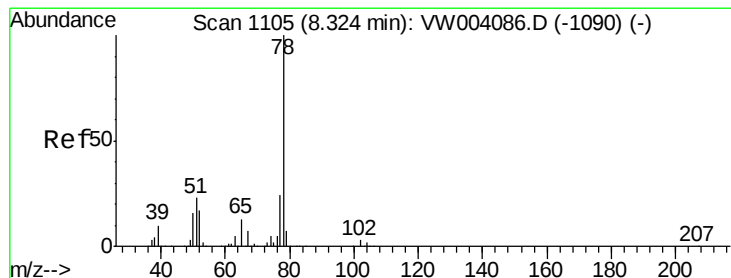
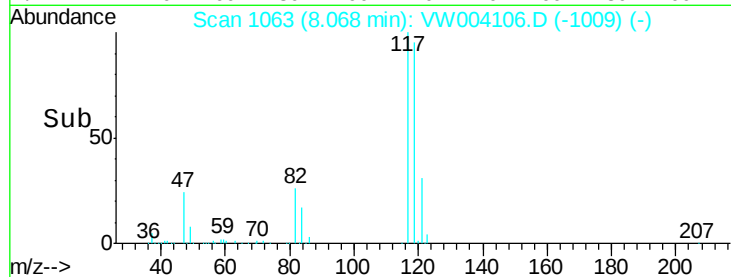
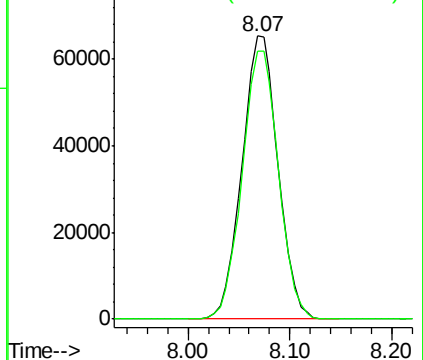
Carbon tetrachloride
Concen: 29.837 ug/L
RT: 8.07 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VW004106.D
Acq: 21 Jul 2018 06:06

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 160445
Ion Ratio Lower Upper
117 100
119 95.6 76.4 114.6



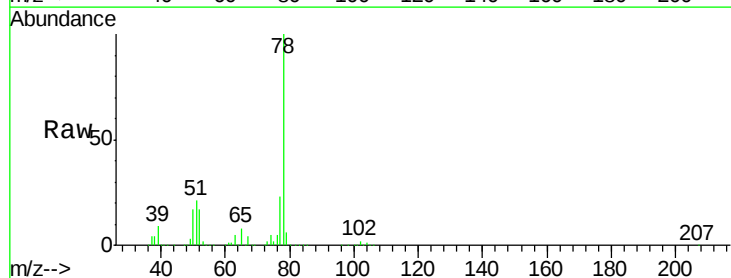
Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V



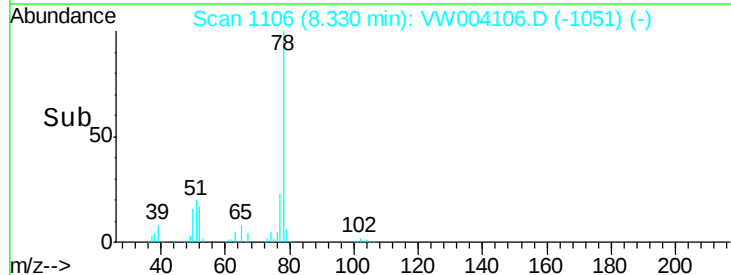
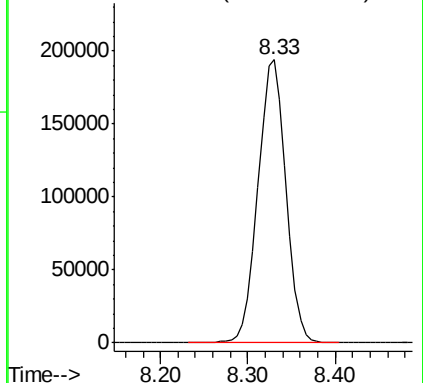
#34

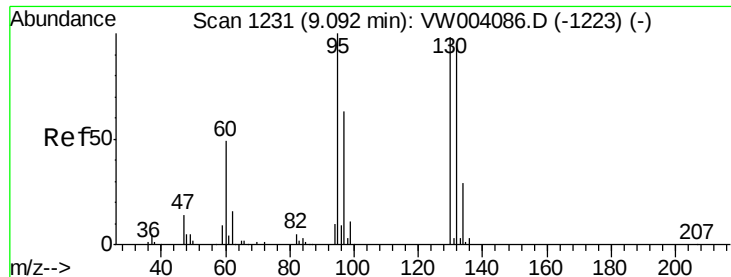
Benzene
Concen: 28.830 ug/L
RT: 8.33 min Scan# 1106
Delta R.T. 0.01 min
Lab File: VW004106.D
Acq: 21 Jul 2018 06:06

Tgt Ion: 78 Resp: 433096



Abundance Ion 78.00 (77.70 to 78.70): VW

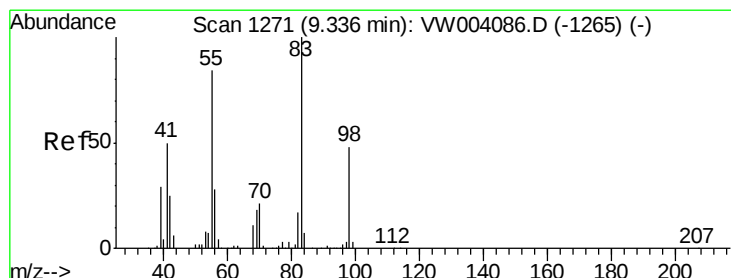
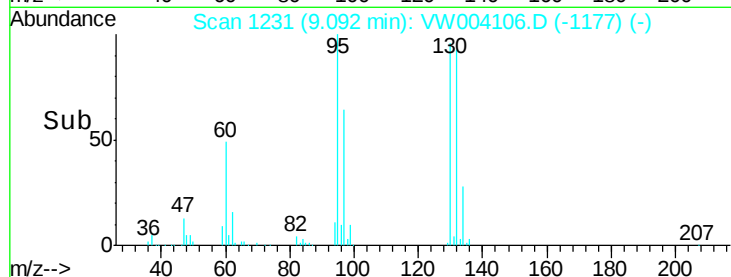
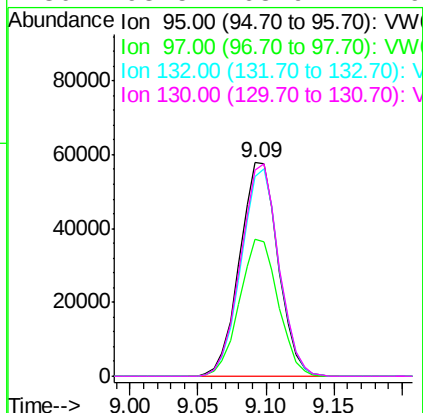
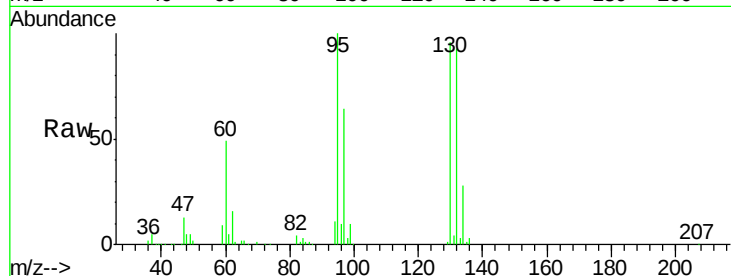




#35
 Trichloroethene
 Concen: 28.479 ug/L
 RT: 9.09 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: VW004106.D
 Acq: 21 Jul 2018 06:06

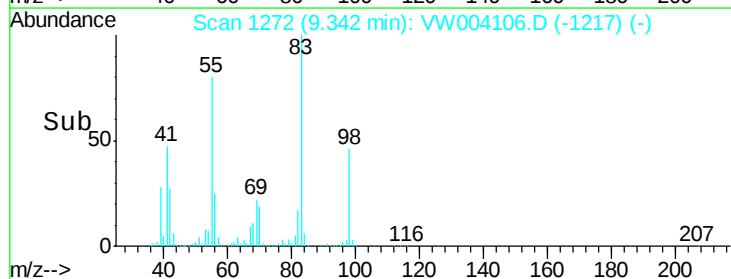
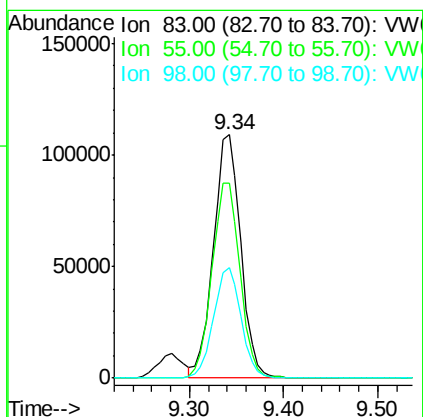
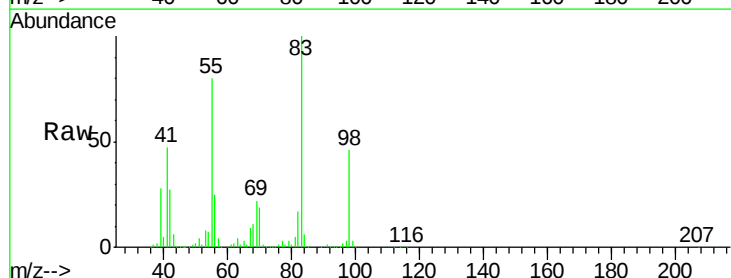
Instrument :
 MSVOA_W
 ClientSampled :

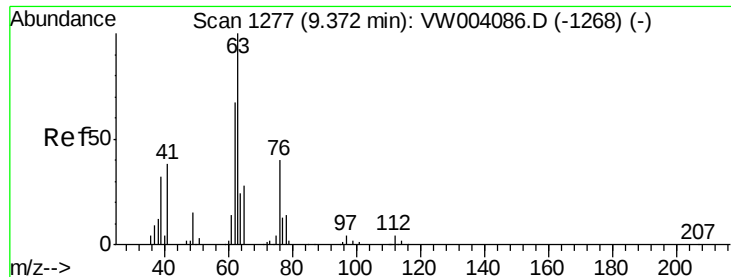
Tot Ion	95	Resp	114469
Ion	Ratio	Lower	Upper
95	100		
97	64.2	44.7	83.1
132	95.6	66.1	122.7
130	98.5	68.9	127.9



#36
 Methylcyclohexane
 Concen: 33.096 ug/L
 RT: 9.34 min Scan# 1272
 Delta R.T. 0.01 min
 Lab File: VW004106.D
 Acq: 21 Jul 2018 06:06

Tgt Ion	83	Resp	219864
Ion	Ratio	Lower	Upper
83	100		
55	81.6	65.8	98.6
98	45.1	37.0	55.6

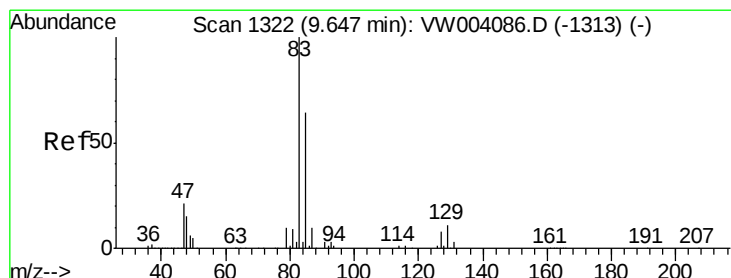
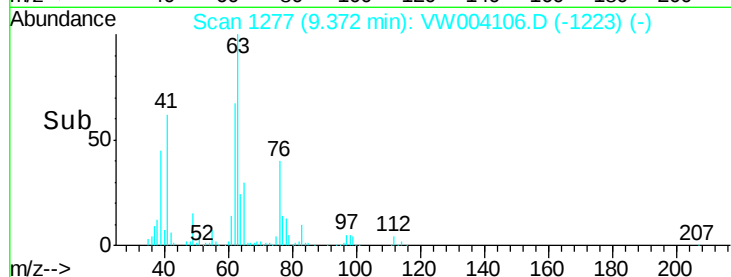
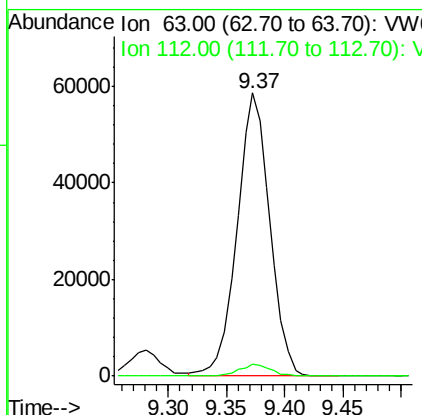
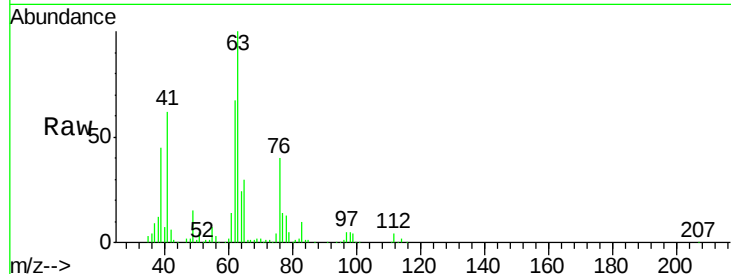




#40
 1,2-Dichloropropane
 Concen: 28.120 ug/L
 RT: 9.37 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VW004106.D
 Acq: 21 Jul 2018 06:06

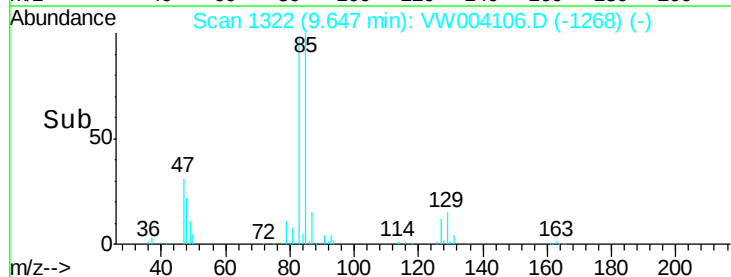
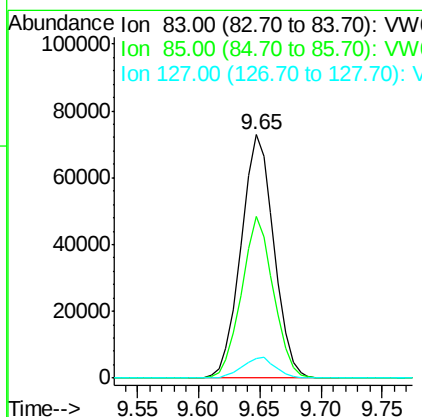
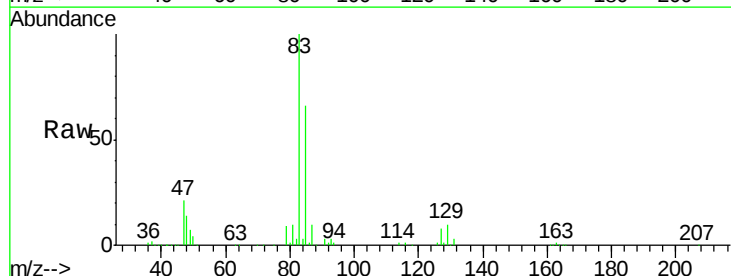
Instrument :
 MSVOA_W
 ClientSampleId :

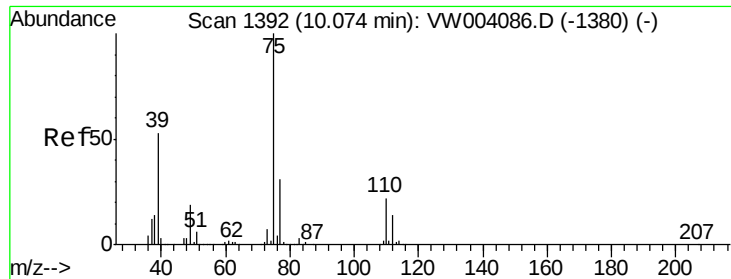
Tot Ion: 63 Resp: 114515
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.0 4.4



#41
 Bromodichloromethane
 Concen: 27.136 ug/L
 RT: 9.65 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VW004106.D
 Acq: 21 Jul 2018 06:06

Tgt Ion: 83 Resp: 136063
 Ion Ratio Lower Upper
 83 100
 85 66.2 44.7 82.9
 127 8.1 6.7 10.1





#42

cis-1,3-Dichloropropene

Concen: 25.880 ug/L

RT: 10.08 min Scan# 1393

Delta R.T. 0.01 min

Lab File: VW004106.D

Acq: 21 Jul 2018 06:06

Instrument :

MSVOA_W

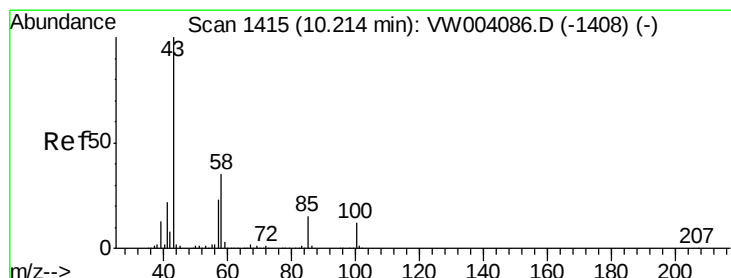
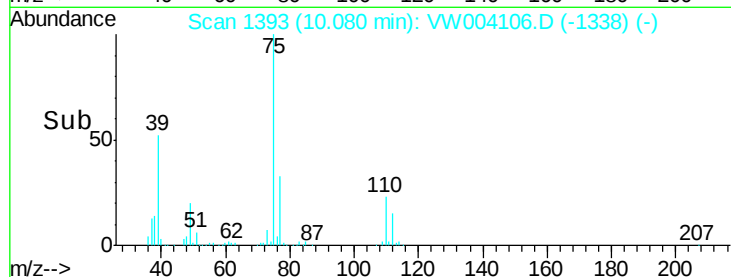
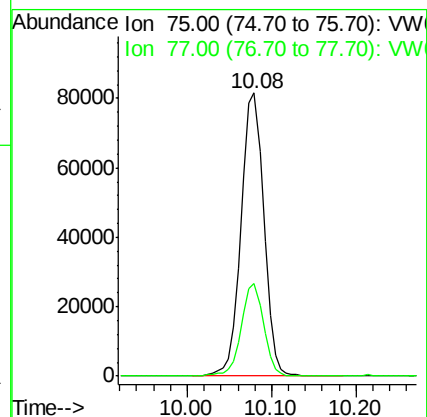
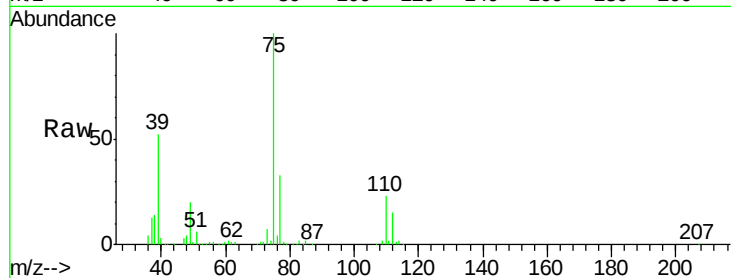
ClientSampleId :

Tot Ion: 75 Resp: 148504

Ion Ratio Lower Upper

75 100

77 32.5 22.3 41.5



#43

4-Methyl-2-pentanone

Concen: 62.790 ug/L

RT: 10.21 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VW004106.D

Acq: 21 Jul 2018 06:06

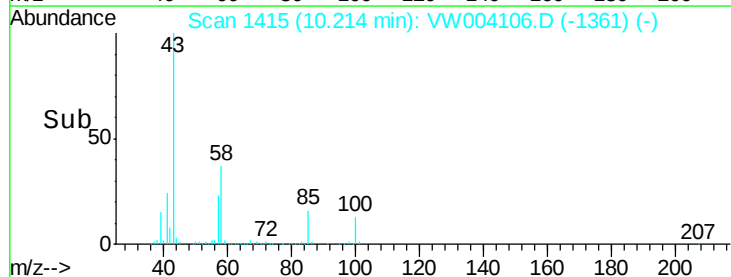
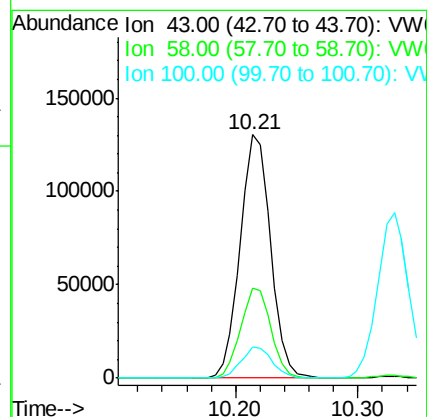
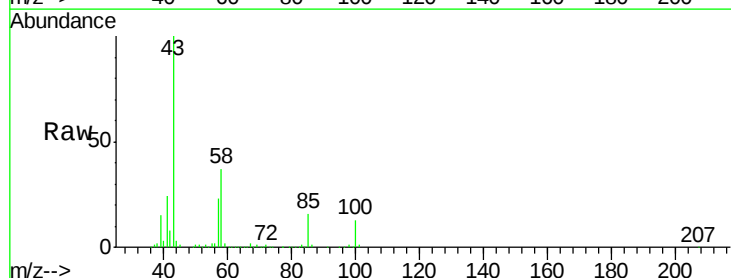
Tgt Ion: 43 Resp: 224792

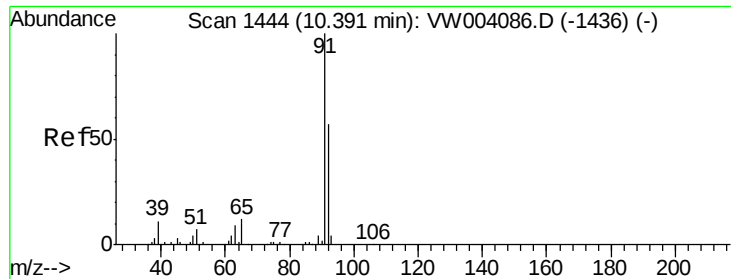
Ion Ratio Lower Upper

43 100

58 36.6 29.4 44.2

100 12.9 10.8 16.2





#44

Toluene

Concen: 29.710 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW004106.D

Acq: 21 Jul 2018 06:06

Instrument :

MSVOA_W

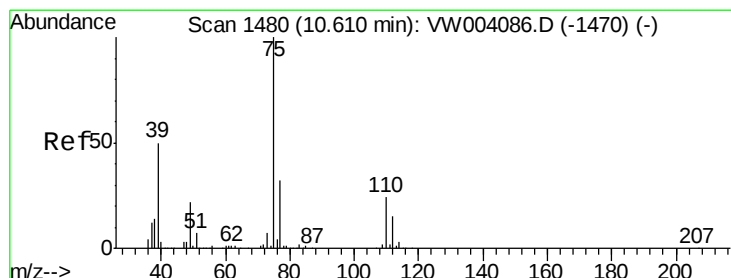
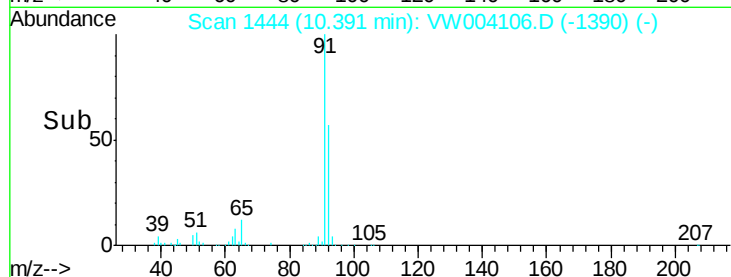
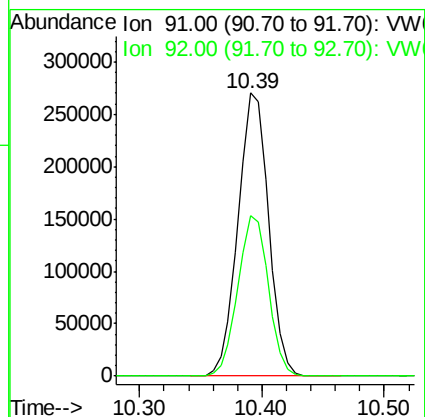
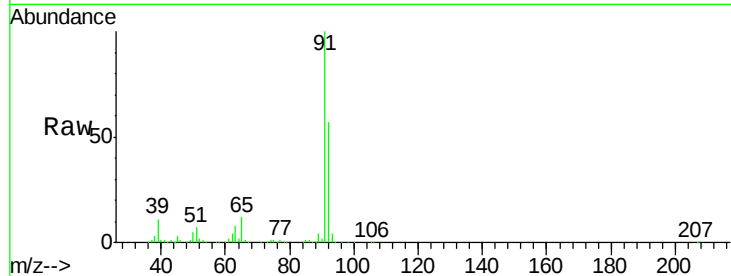
ClientSampleId :

Tot Ion: 91 Resp: 467677

Ion Ratio Lower Upper

91 100

92 56.9 39.5 73.4



#45

trans-1,3-Dichloropropene

Concen: 25.937 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW004106.D

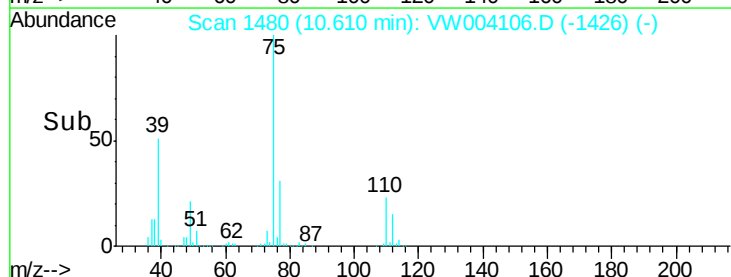
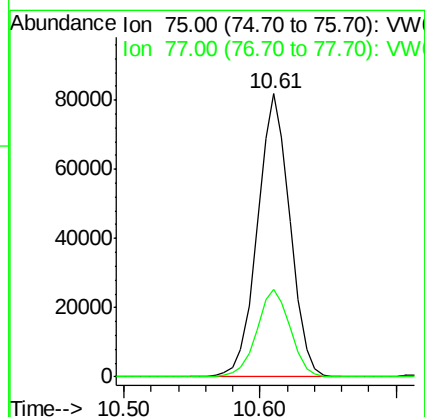
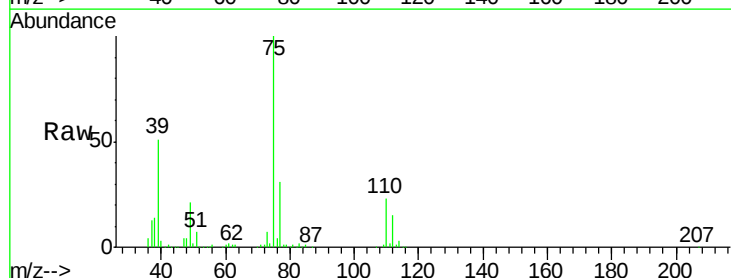
Acq: 21 Jul 2018 06:06

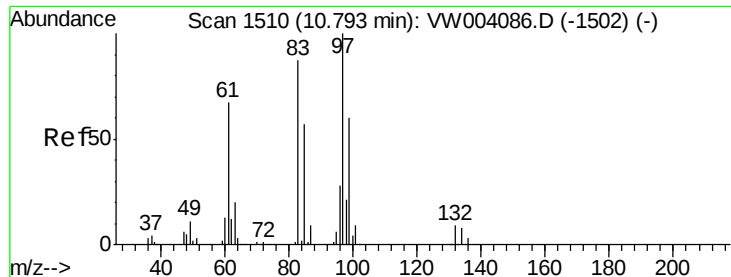
Tgt Ion: 75 Resp: 137277

Ion Ratio Lower Upper

75 100

77 31.1 22.5 41.7

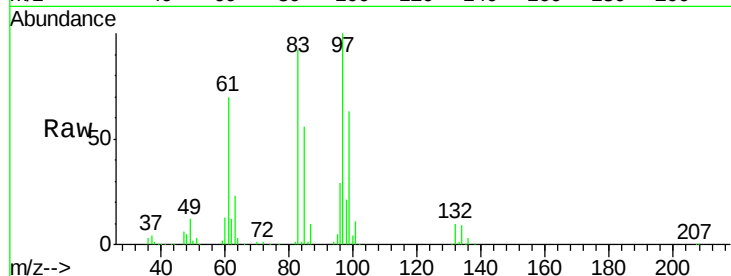




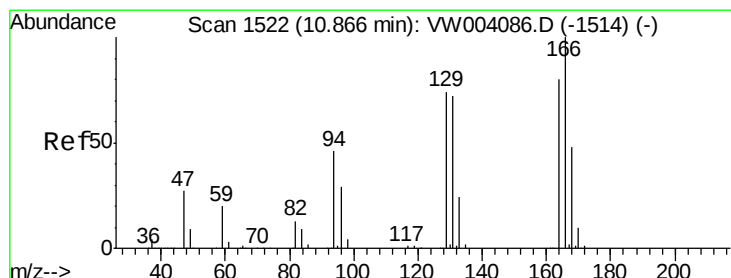
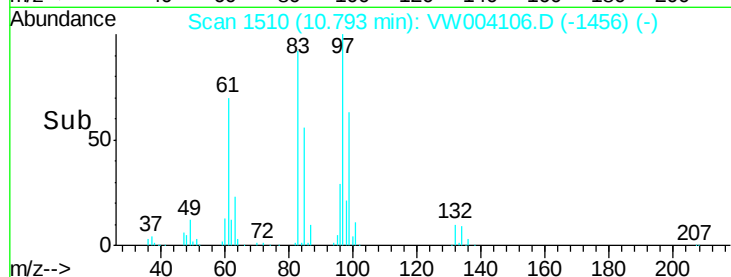
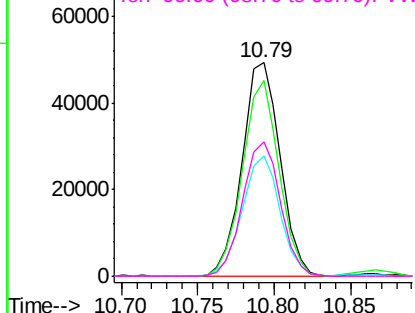
#46
1,1,2-Trichloroethane
Concen: 26.942 ug/L
RT: 10.79 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VW004106.D
Acq: 21 Jul 2018 06:06

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 97 Resp: 85271
Ion Ratio Lower Upper
97 100
83 91.9 59.4 110.4
85 56.4 40.0 74.2
99 63.0 43.3 80.5

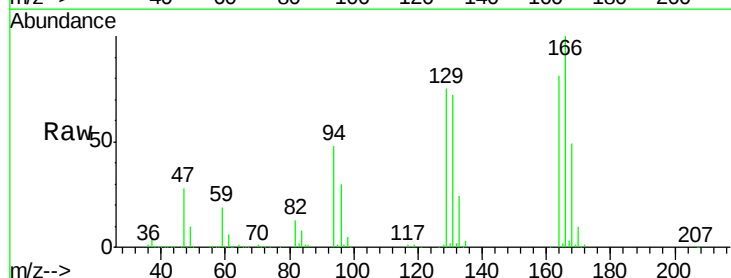


Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 83.00 (82.70 to 83.70): VW
Ion 85.00 (84.70 to 85.70): VW
Ion 99.00 (98.70 to 99.70): VW

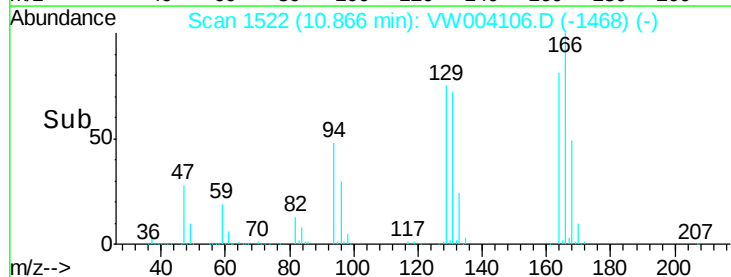
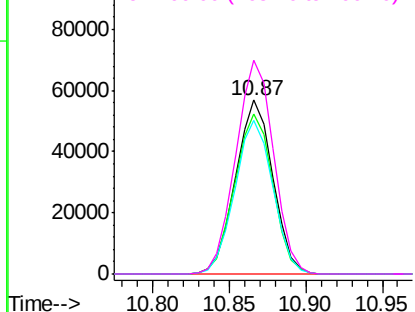


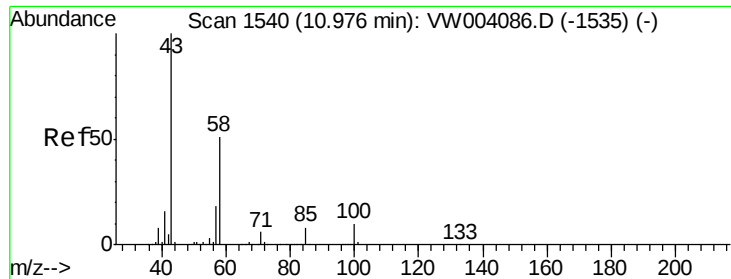
#47
Tetrachloroethene
Concen: 29.652 ug/L
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW004106.D
Acq: 21 Jul 2018 06:06

Tgt Ion: 164 Resp: 96121
Ion Ratio Lower Upper
164 100
129 92.5 63.1 117.3
131 88.6 62.8 116.6
166 123.0 84.6 157.2



Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V





#49

2-Hexanone

Concen: 63.120 ug/L

RT: 10.98 min Scan# 1540

Delta R.T. 0.00 min

Lab File: VW004106.D

Acq: 21 Jul 2018 06:06

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 174946

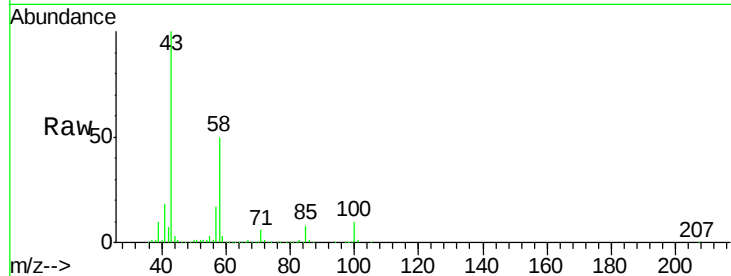
Ion Ratio Lower Upper

43 100

58 51.1 40.4 60.6

57 17.9 14.0 21.0

100 10.3 8.2 12.2

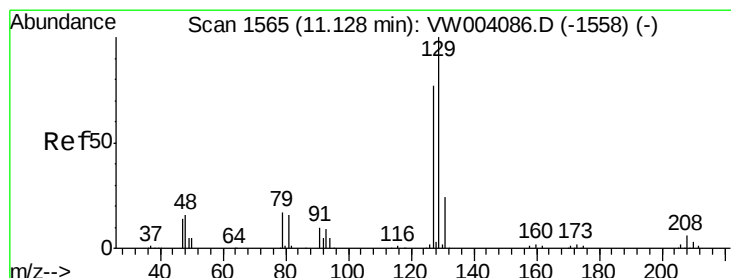
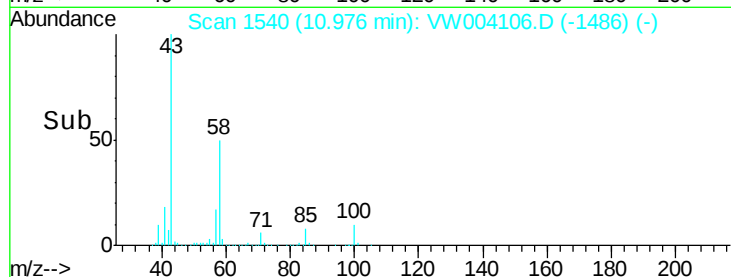
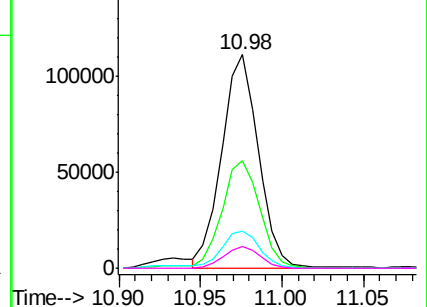


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 27.334 ug/L

RT: 11.13 min Scan# 1566

Delta R.T. 0.01 min

Lab File: VW004106.D

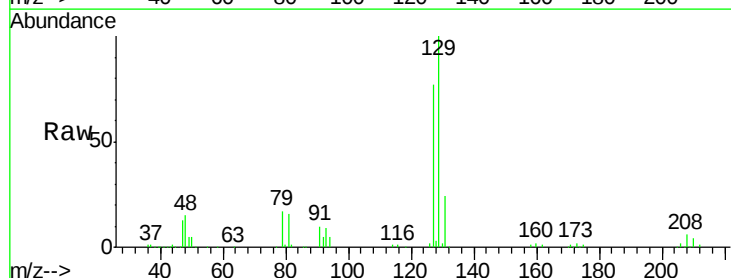
Acq: 21 Jul 2018 06:06

Tgt Ion: 129 Resp: 96915

Ion Ratio Lower Upper

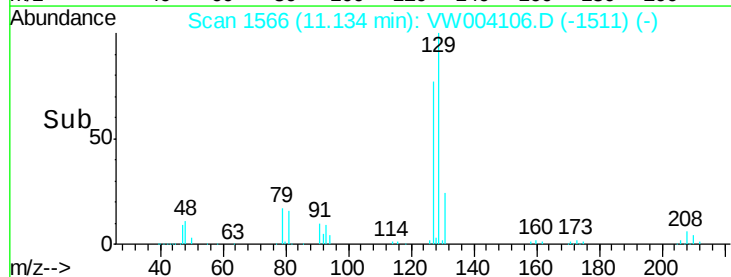
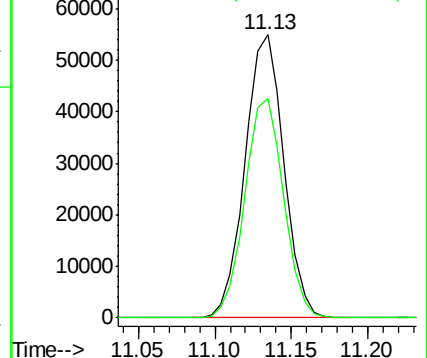
129 100

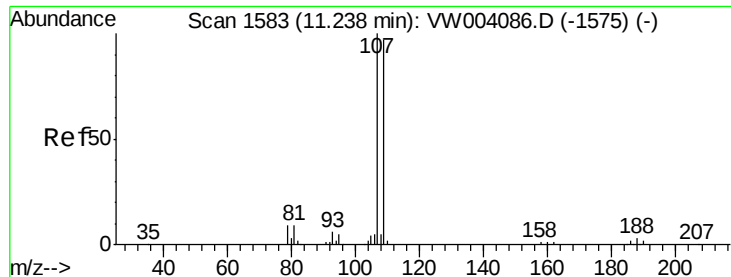
127 77.4 56.1 104.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

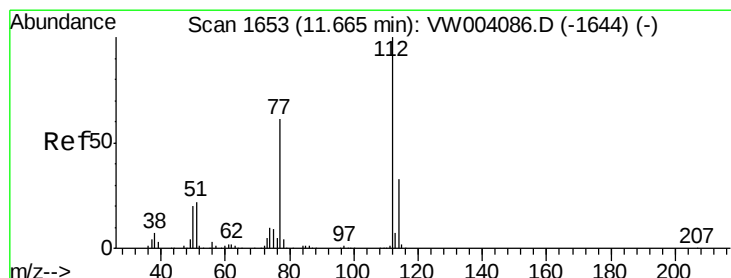
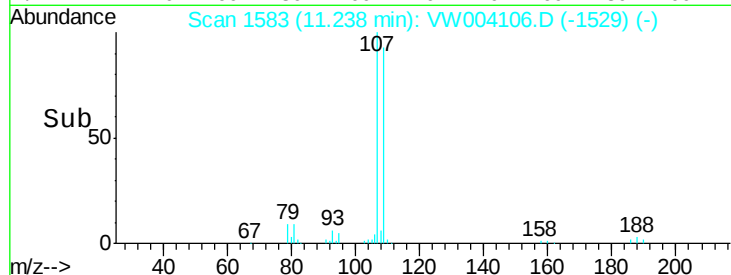
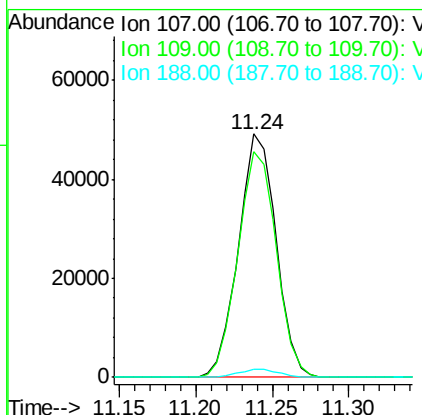
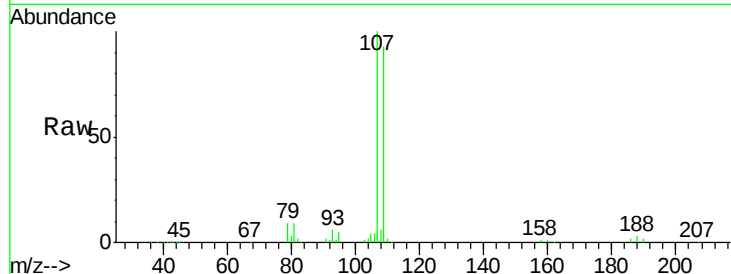




#51
 1,2-Dibromoethane
 Concen: 27.237 ug/L
 RT: 11.24 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VW004106.D
 Acq: 21 Jul 2018 06:06

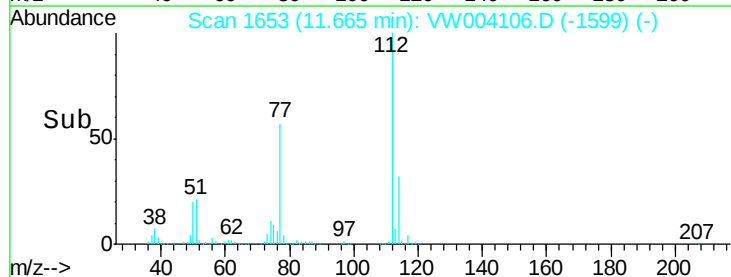
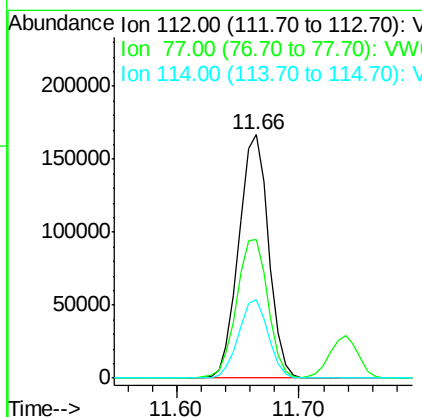
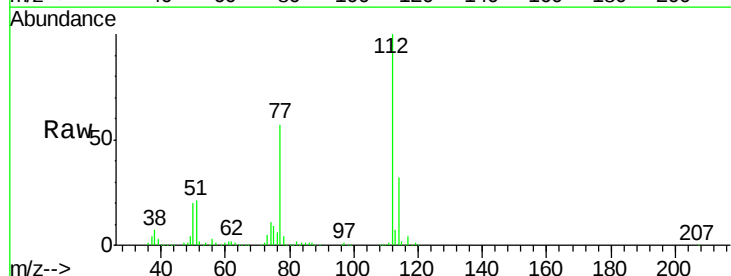
Instrument :
 MSVOA_W
 ClientSampleId :

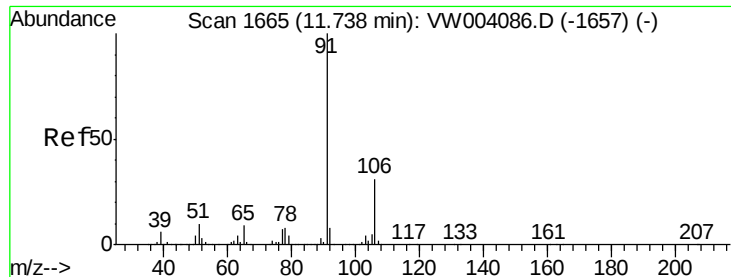
Tot Ion:107 Resp: 84195
 Ion Ratio Lower Upper
 107 100
 109 92.6 65.2 121.0
 188 3.4 2.9 4.3



#52
 Chlorobenzene
 Concen: 27.913 ug/L
 RT: 11.66 min Scan# 1653
 Delta R.T. 0.00 min
 Lab File: VW004106.D
 Acq: 21 Jul 2018 06:06

Tgt Ion:112 Resp: 281719
 Ion Ratio Lower Upper
 112 100
 77 57.1 47.7 71.5
 114 32.4 22.2 41.2

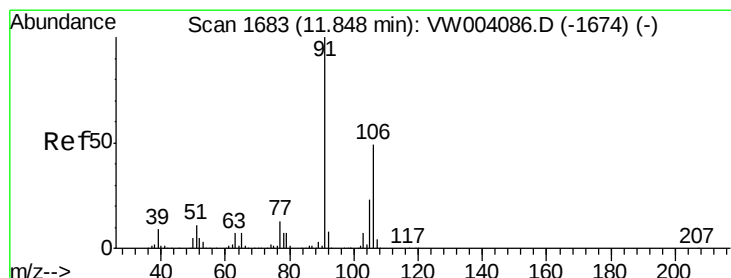
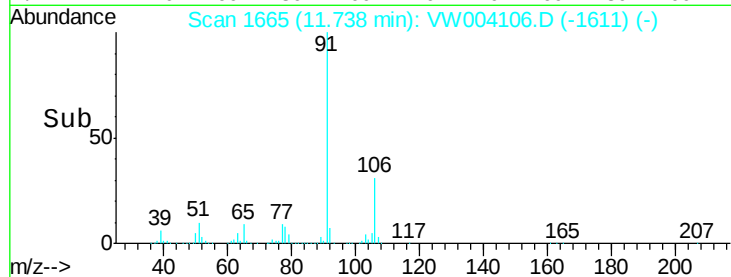
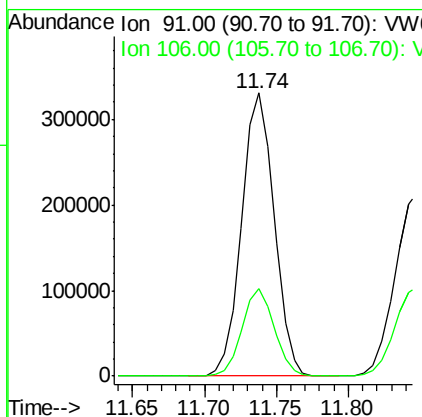
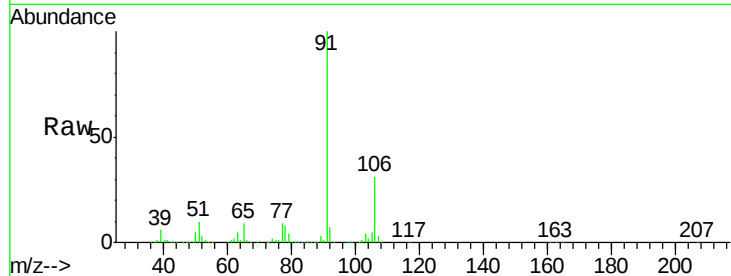




#53
Ethylbenzene
Concen: 30.402 ug/L
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW004106.D
Acq: 21 Jul 2018 06:06

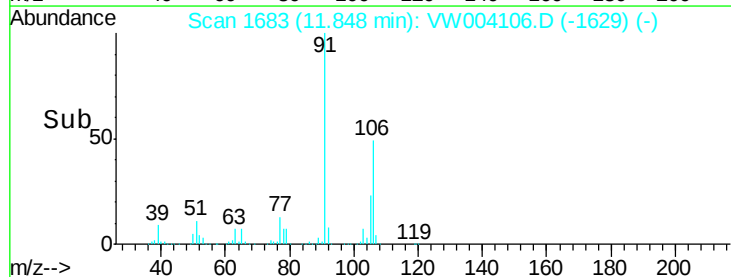
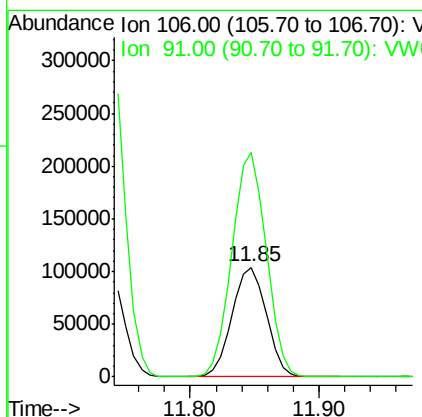
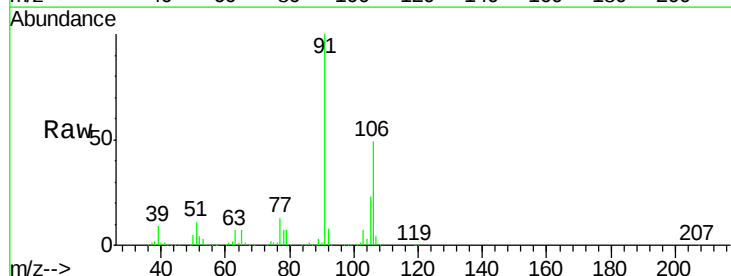
Instrument :
MSVOA_W
ClientSampled :

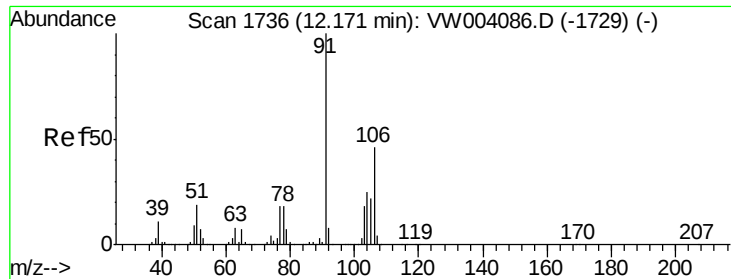
Tot Ion: 91 Resp: 518030
Ion Ratio Lower Upper
91 100
106 31.0 21.3 39.5



#54
m,p-Xylene
Concen: 30.725 ug/L
RT: 11.85 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW004106.D
Acq: 21 Jul 2018 06:06

Tgt Ion: 106 Resp: 192958
Ion Ratio Lower Upper
106 100
91 204.7 142.1 263.9





#55

o-xylene

Concen: 30.103 ug/L

RT: 12.17 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VW004106.D

Acq: 21 Jul 2018 06:06

Instrument :

MSVOA_W

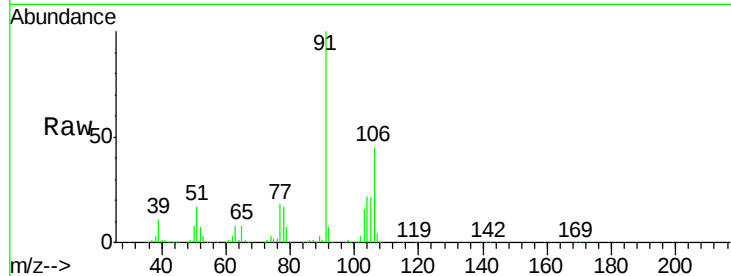
ClientSampled :

Tot Ion:106 Resp: 180825

Ion Ratio Lower Upper

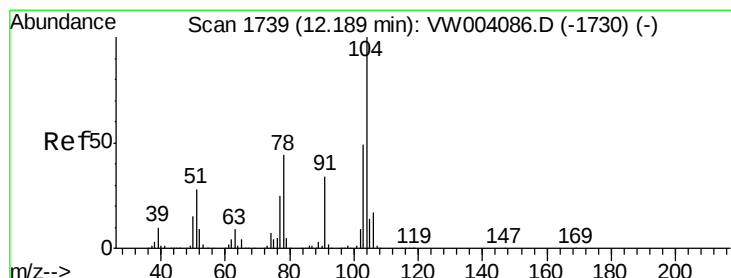
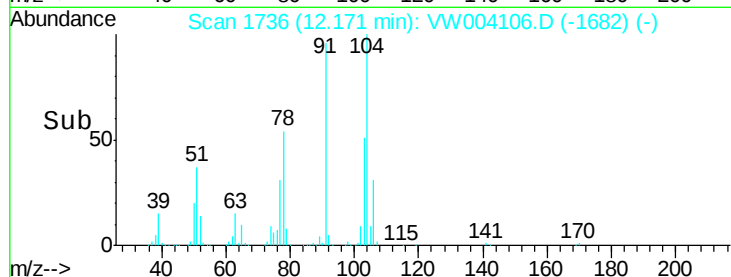
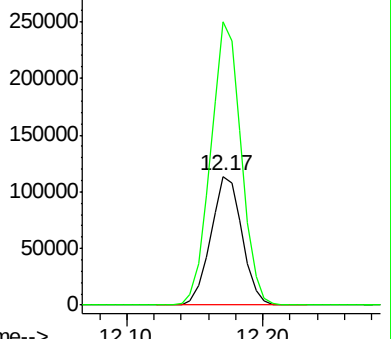
106 100

91 220.2 151.3 280.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 29.964 ug/L

RT: 12.19 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VW004106.D

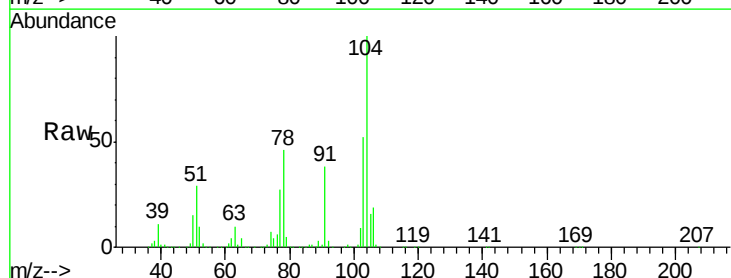
Acq: 21 Jul 2018 06:06

Tgt Ion:104 Resp: 310937

Ion Ratio Lower Upper

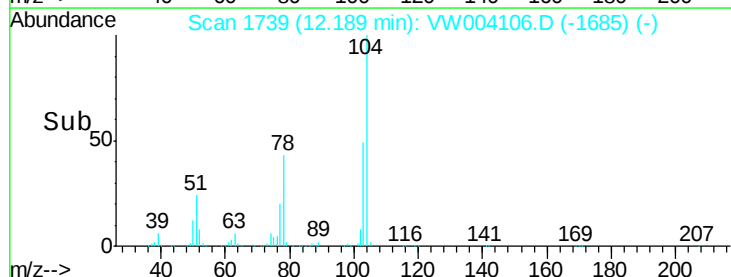
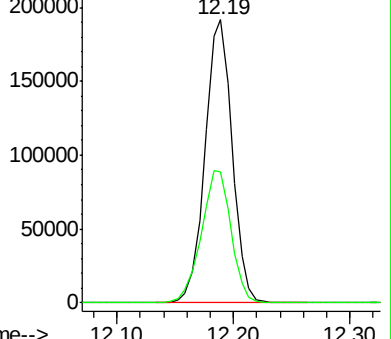
104 100

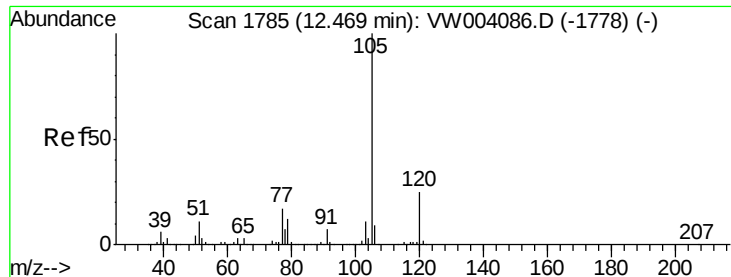
78 46.2 32.2 59.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 31.731 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW004106.D

Acq: 21 Jul 2018 06:06

Instrument :

MSVOA_W

ClientSampleId :

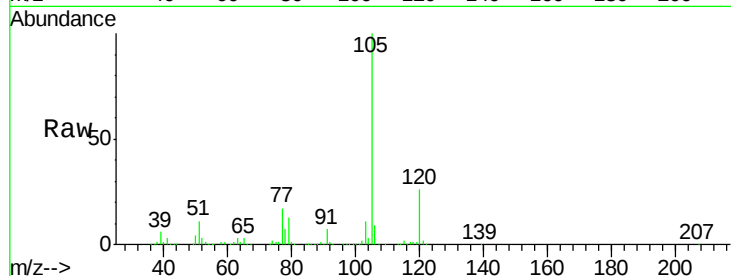
Tot Ion:105 Resp: 522598

Ion Ratio Lower Upper

105 100

120 25.9 21.0 31.4

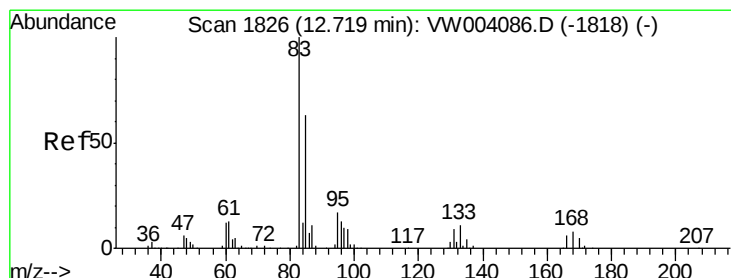
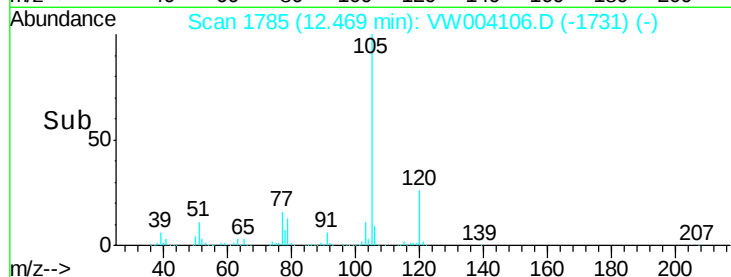
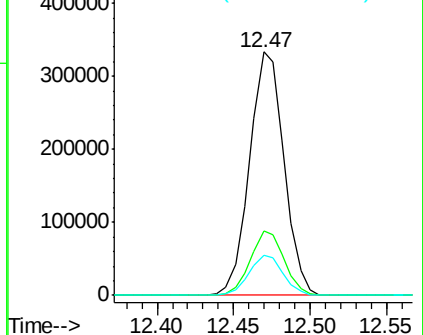
77 16.5 13.1 19.7



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: 27.951 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW004106.D

Acq: 21 Jul 2018 06:06

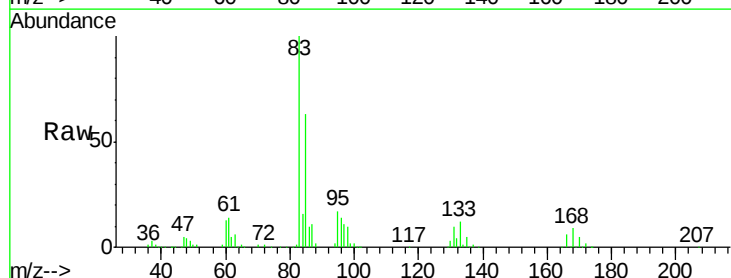
Tgt Ion: 83 Resp: 126449

Ion Ratio Lower Upper

83 100

85 63.4 44.7 83.1

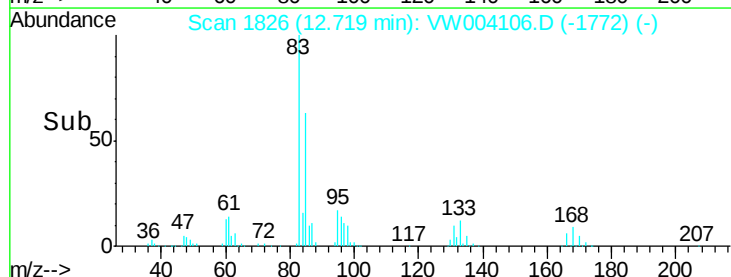
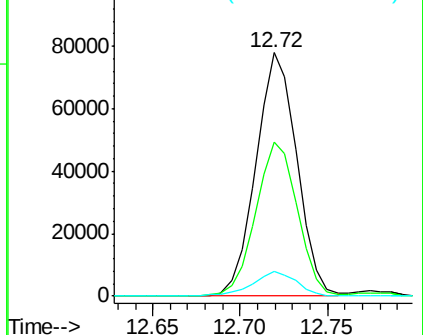
131 10.2 7.8 11.6

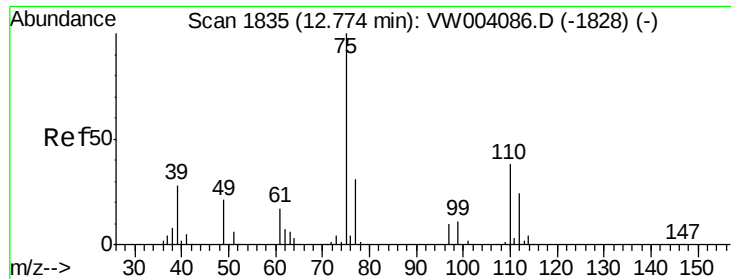


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 28.926 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW004106.D

Acq: 21 Jul 2018 06:06

Instrument :

MSVOA_W

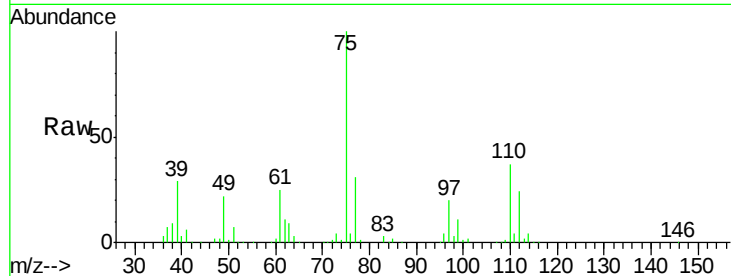
ClientSampleId :

Tot Ion: 75 Resp: 101299

Ion Ratio Lower Upper

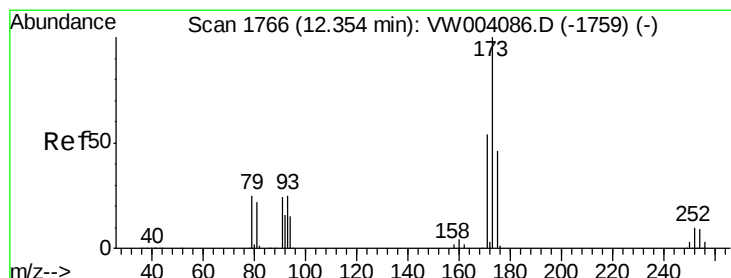
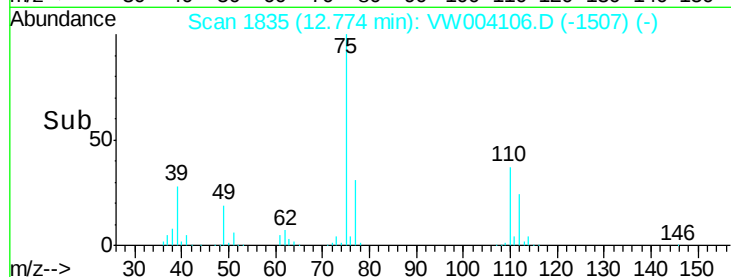
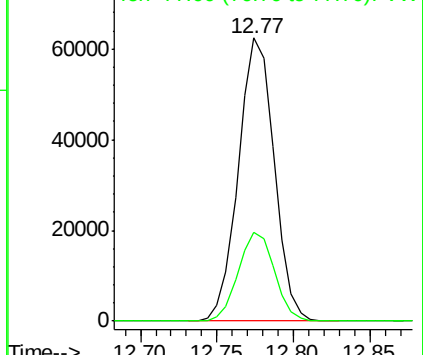
75 100

77 31.7 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#62

Bromoform

Concen: 27.351 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW004106.D

Acq: 21 Jul 2018 06:06

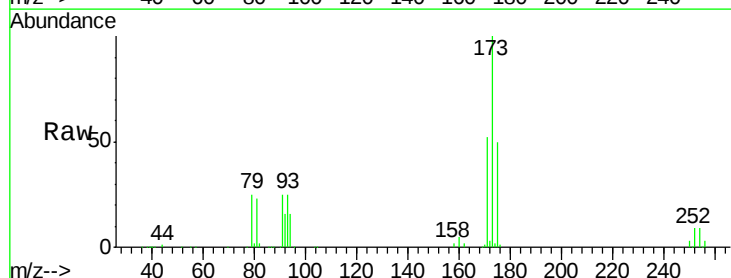
Tgt Ion: 173 Resp: 63556

Ion Ratio Lower Upper

173 100

175 48.9 39.4 59.0

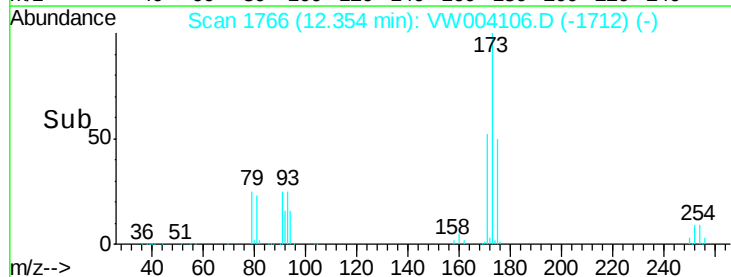
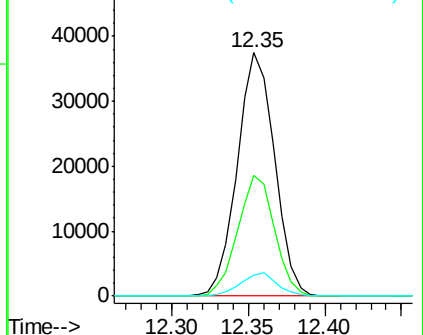
254 9.3 7.4 11.2

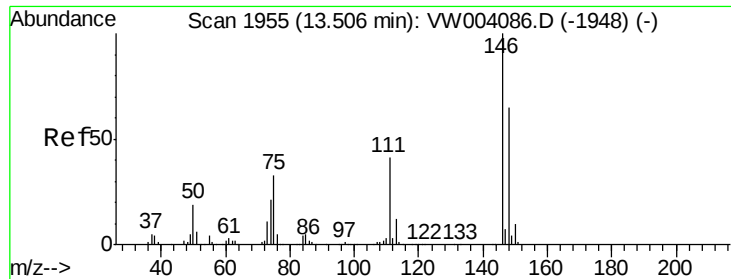


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

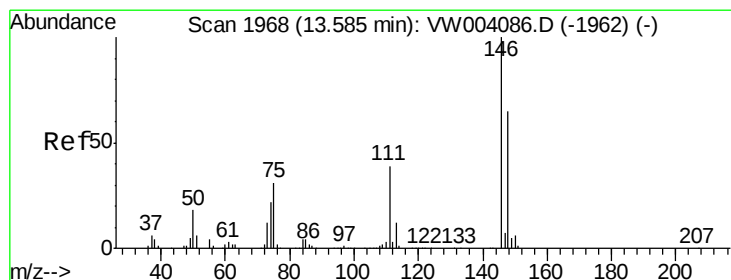
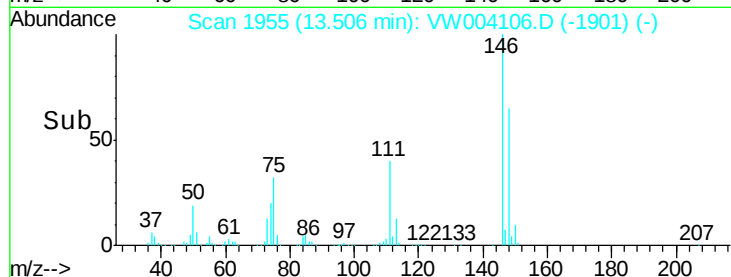
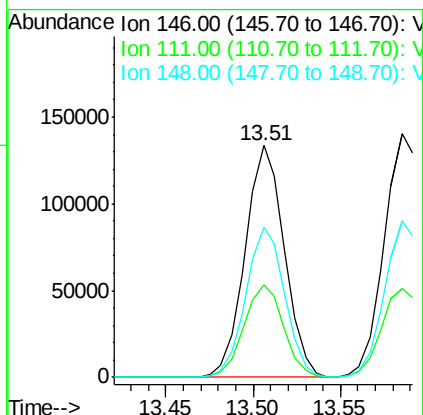
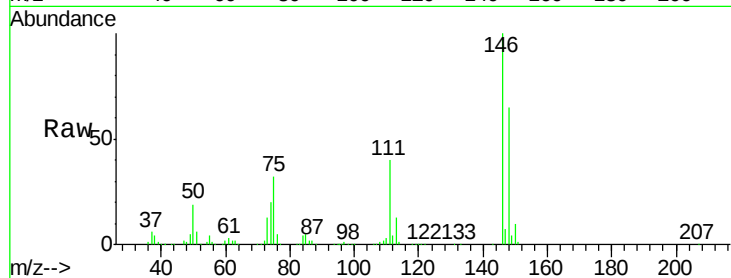




#63
 1,3-Dichlorobenzene
 Concen: 27.526 ug/L
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW004106.D
 Acq: 21 Jul 2018 06:06

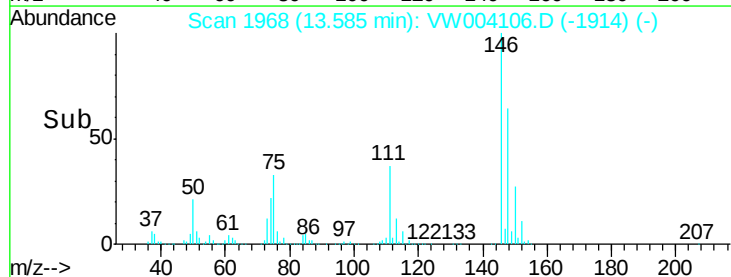
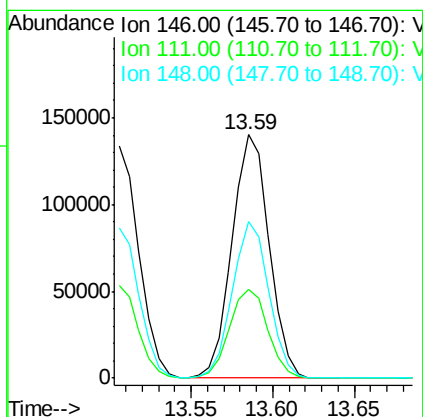
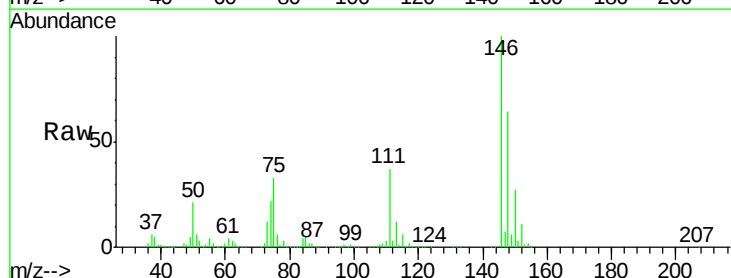
Instrument :
 MSVOA_W
 ClientSampleId :

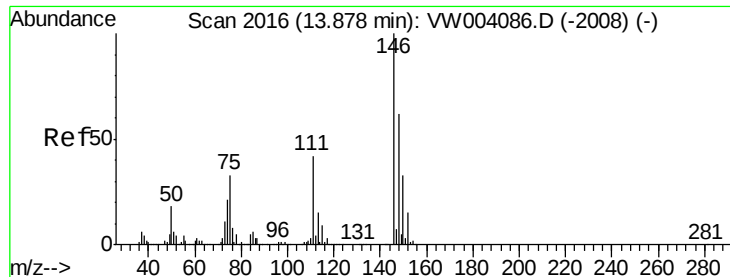
Tot Ion:146 Resp: 208748
 Ion Ratio Lower Upper
 146 100
 111 40.1 27.9 51.7
 148 64.9 44.2 82.0



#64
 1,4-Dichlorobenzene
 Concen: 27.378 ug/L
 RT: 13.59 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW004106.D
 Acq: 21 Jul 2018 06:06

Tgt Ion:146 Resp: 222625
 Ion Ratio Lower Upper
 146 100
 111 36.5 26.8 49.8
 148 64.1 44.3 82.3

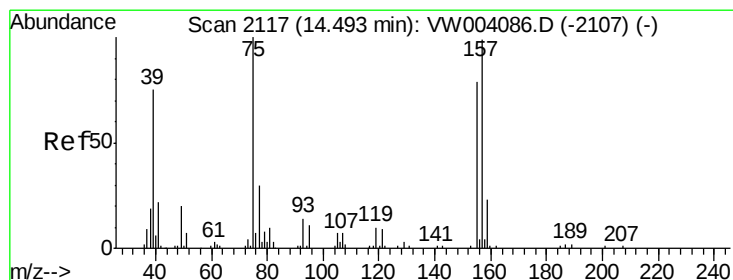
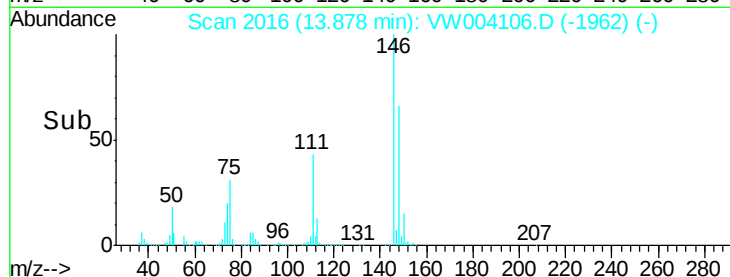
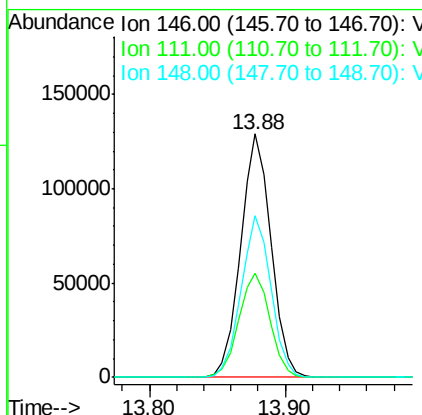
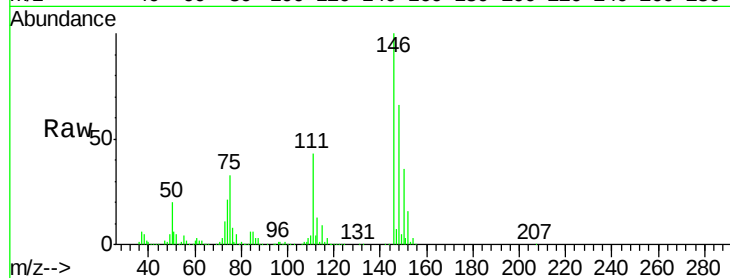




#65
 1,2-Dichlorobenzene
 Concen: 27.217 ug/L
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW004106.D
 Acq: 21 Jul 2018 06:06

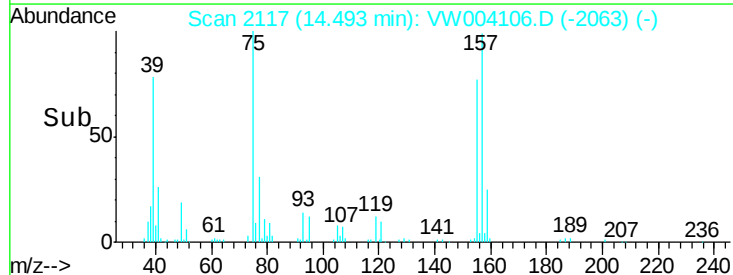
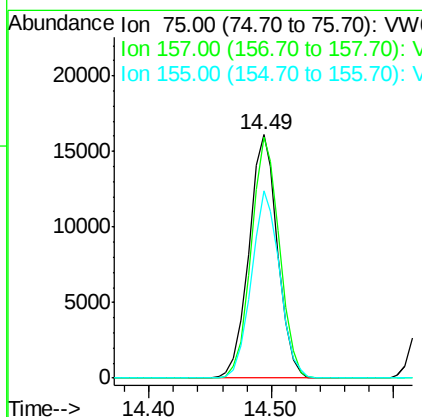
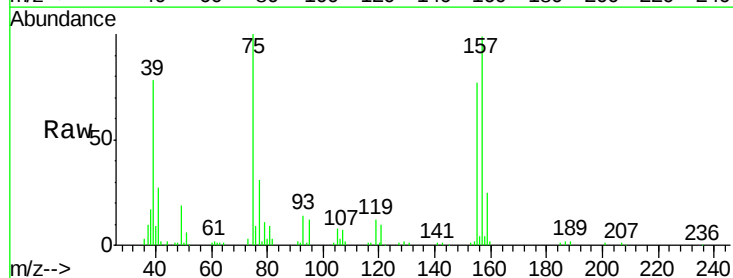
Instrument :
 MSVOA_W
 ClientSampleId :

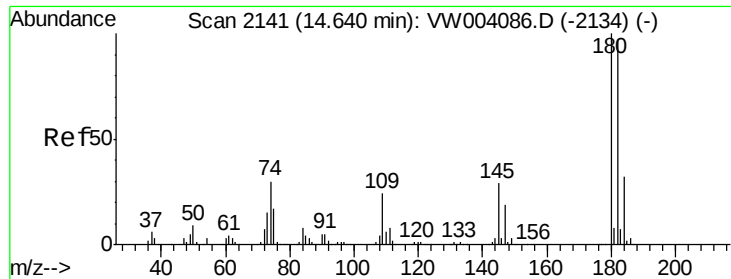
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	33.2	49.8
148	66.3	51.0	76.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 30.303 ug/L
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW004106.D
 Acq: 21 Jul 2018 06:06

Tgt Ion	Ratio	Lower	Upper
75	100		
157	99.1	77.9	116.9
155	76.8	61.8	92.8

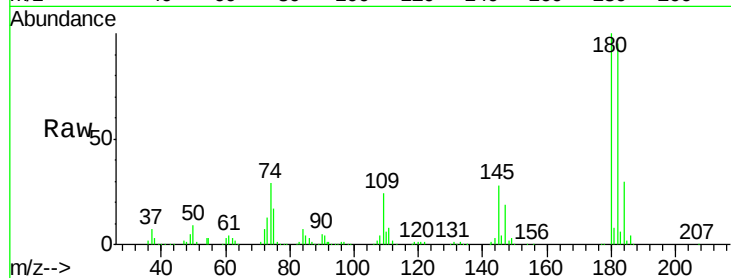




#67
 1,3,5-Trichlorobenzene
 Concen: 27.068 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VW004106.D
 Acq: 21 Jul 2018 06:06

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.1	75.5	113.3
184	30.4	24.0	36.0
145	28.9	23.3	34.9



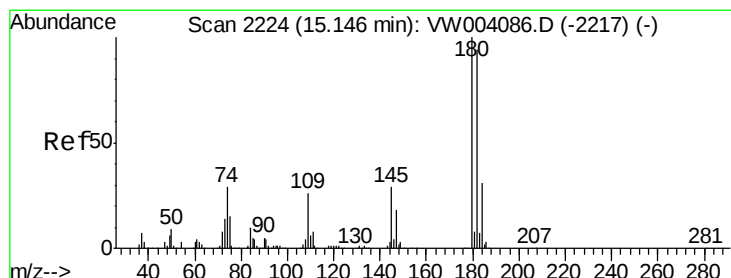
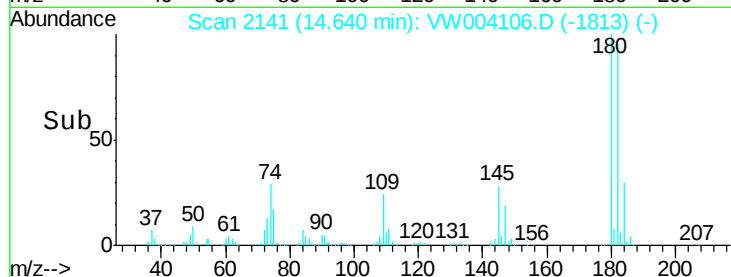
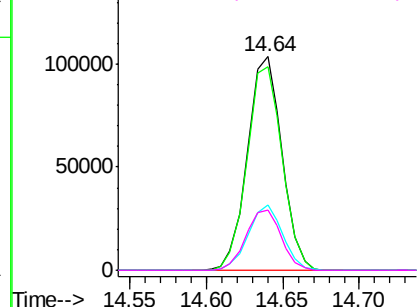
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

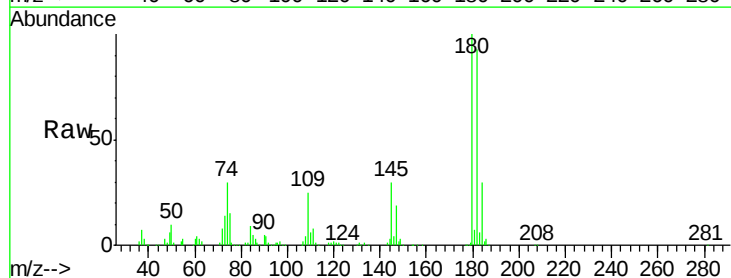
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 26.214 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW004106.D
 Acq: 21 Jul 2018 06:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	77.8	116.6
145	30.3	24.4	36.6

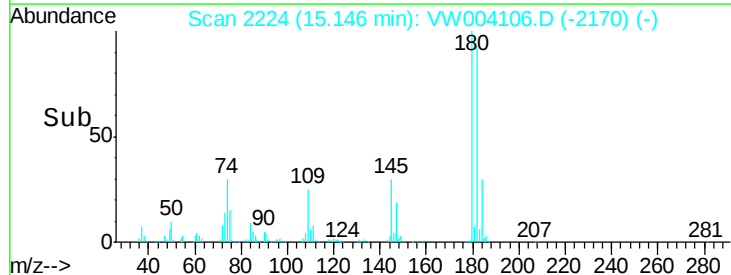
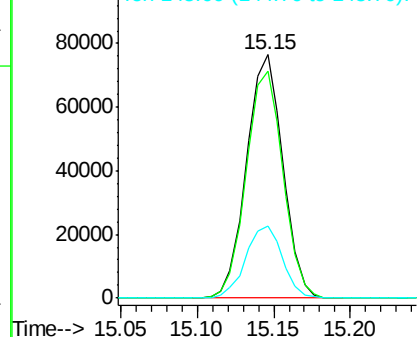


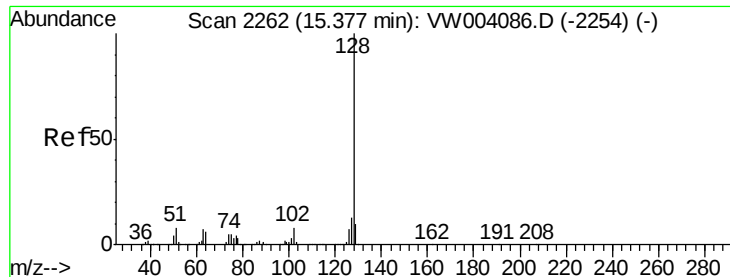
Abundance

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: 29.383 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004106.D

Acq: 21 Jul 2018 06:06

Instrument :

MSVOA_W

ClientSampled :

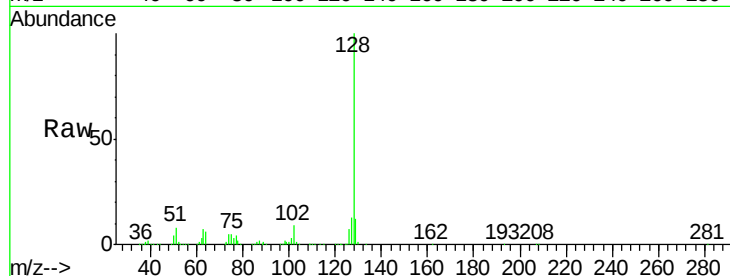
Tot Ion:128 Resp: 318160

Ion Ratio Lower Upper

128 100

129 11.1 8.7 13.1

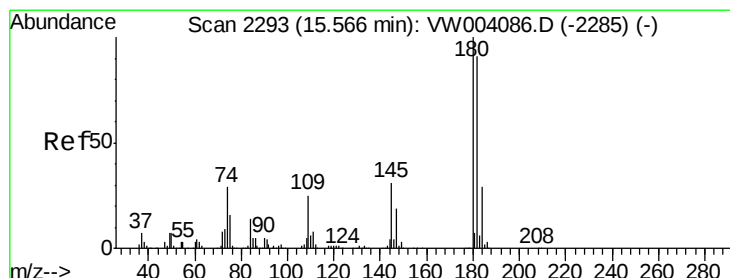
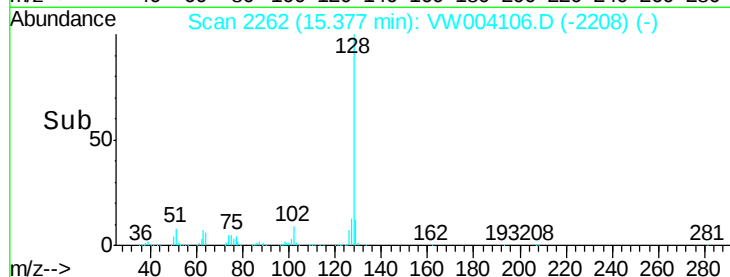
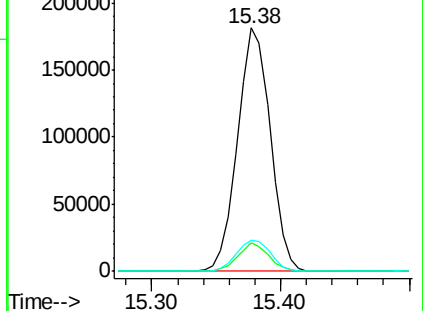
127 13.3 10.9 16.3



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: 27.212 ug/L

RT: 15.57 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VW004106.D

Acq: 21 Jul 2018 06:06

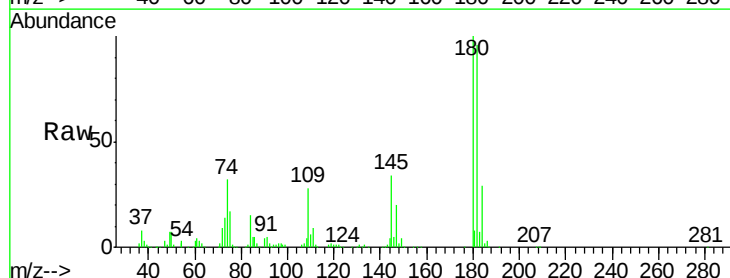
Tgt Ion:180 Resp: 124515

Ion Ratio Lower Upper

180 100

182 97.0 76.6 115.0

145 32.9 25.3 37.9



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

