

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW070818\
 Data File : VW003759.D
 Acq On : 07 Jul 2018 10:19
 Operator : SY/AP
 Sample : VSTD02589
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02589

Quant Time: Jul 09 04:18:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070818S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jul 09 04:17:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	388881	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	362852	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	186526	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	117246	22.47	ug/L	0.00
7) Chloroethane-d5	2.89	69	89145	22.39	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	247995	24.97	ug/L	0.00
20) 2-Butanone-d5	7.10	46	78682	47.77	ug/L	0.00
24) Chloroform-d	7.65	84	254107	24.00	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	150575	23.74	ug/L	0.00
29) Benzene-d6	8.28	84	478509	24.90	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	156439	25.04	ug/L	0.00
37) Toluene-d8	10.33	98	457694	25.13	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	72028	25.16	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	61390	51.30	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.70	84	141973	24.30	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	171322	24.30	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.00	85	33416	10.103 ug/L	# 85
3) Chloromethane	2.21	50	93445	20.663 ug/L	100
5) Vinyl chloride	2.36	62	139488	21.103 ug/L	100
6) Bromomethane	2.78	94	76063	20.088 ug/L	100
8) Chloroethane	2.92	64	80404	22.134 ug/L	100
9) Trichlorofluoromethane	3.26	101	75274	24.446 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	122063	24.954 ug/L	100
12) 1,1-Dichloroethene	4.03	96	119804	25.021 ug/L	100
13) Acetone	4.15	43	71691	39.337 ug/L	100
14) Carbon disulfide	4.37	76	388798	24.901 ug/L	100
15) Methyl Acetate	4.68	43	72465	24.891 ug/L	100
16) Methylene chloride	4.91	84	133840	21.470 ug/L	100
17) Methyl tert-butyl Ether	5.43	73	239480	26.208 ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	130536	25.145 ug/L	100
19) 1,1-Dichloroethane	6.21	63	244641	24.219 ug/L	100
21) 2-Butanone	7.18	43	97361	42.490 ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	139221	24.448 ug/L	100
23) Bromochloromethane	7.51	128	63661	23.747 ug/L	100
25) Chloroform	7.68	83	252253	24.067 ug/L	100
27) 1,2-Dichloroethane	8.40	62	182953	23.847 ug/L	100
30) Cyclohexane	7.96	56	226242	26.697 ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	206072	25.449 ug/L	100
32) Carbon tetrachloride	8.07	117	196803	24.831 ug/L	100
34) Benzene	8.32	78	555660	25.413 ug/L	100
35) Trichloroethene	9.09	95	147109	25.292 ug/L	100
36) Methylcyclohexane	9.34	83	255659	26.139 ug/L	100
40) 1,2-Dichloropropane	9.37	63	146014	25.212 ug/L	100
41) Bromodichloromethane	9.65	83	185716	24.661 ug/L	100
42) cis-1,3-Dichloropropene	10.08	75	223242	25.876 ug/L	100
43) 4-Methyl-2-pentanone	10.22	43	203360	48.835 ug/L	100

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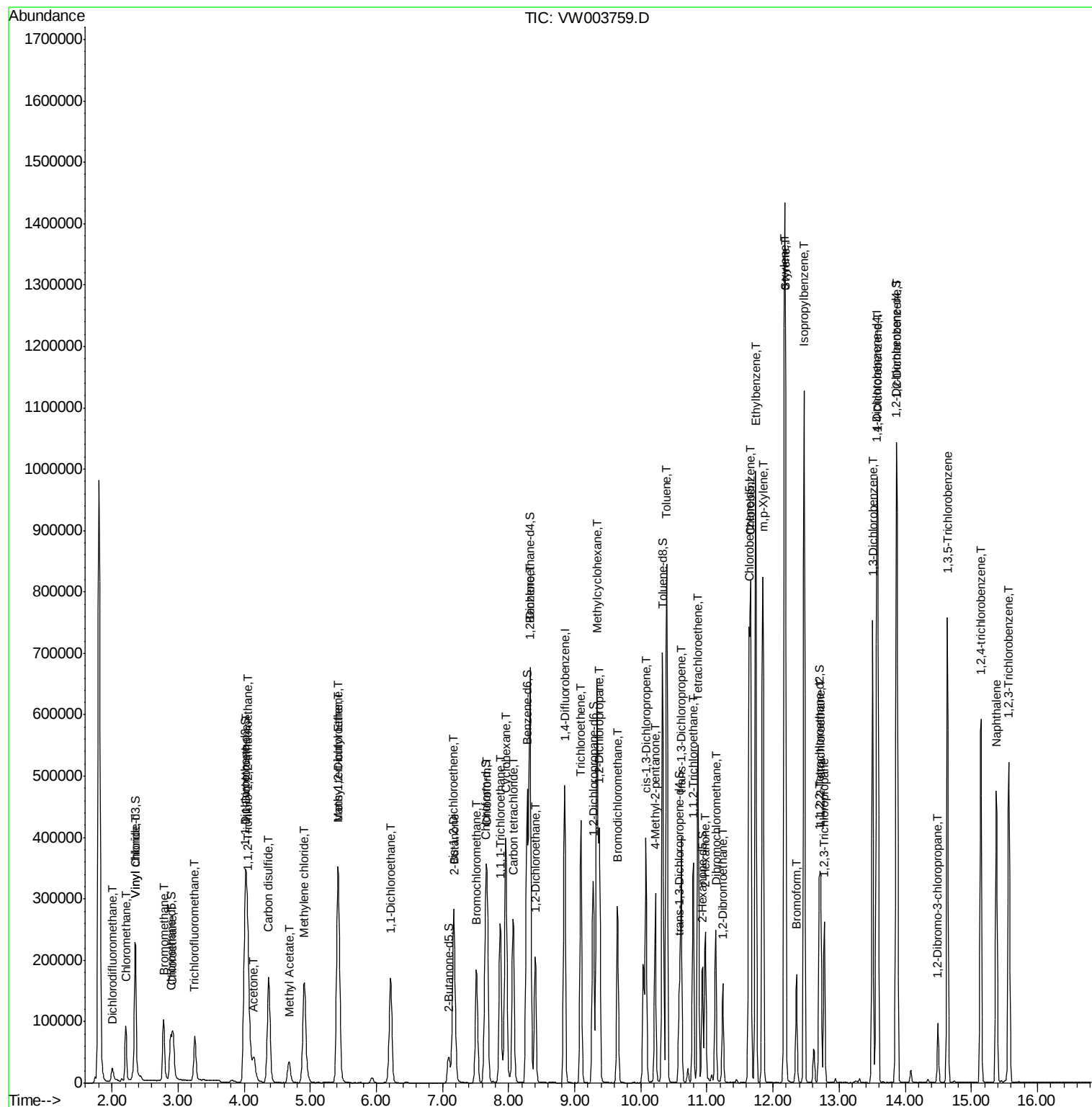
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	607205	25.983	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	203532	25.812	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	107123	24.325	ug/L	100
47) Tetrachloroethene	10.87	164	118953	24.668	ug/L	100
49) 2-Hexanone	10.98	43	155245	48.431	ug/L	100
50) Dibromochloromethane	11.13	129	129981	24.656	ug/L	100
51) 1,2-Dibromoethane	11.24	107	105425	24.831	ug/L	100
52) Chlorobenzene	11.66	112	384221	24.990	ug/L	100
53) Ethylbenzene	11.74	91	692960	26.232	ug/L	100
54) m,p-Xylene	11.85	106	259494	26.677	ug/L	100
55) o-xylene	12.17	106	244869	26.659	ug/L	100
56) Styrene	12.19	104	428762	26.692	ug/L	100
57) Isopropylbenzene	12.47	105	682739	27.098	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	141112	24.118	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	105838	24.251	ug/L	100
62) Bromoform	12.35	173	79106	23.684	ug/L	100
63) 1,3-Dichlorobenzene	13.51	146	295996	25.099	ug/L	100
64) 1,4-Dichlorobenzene	13.59	146	310912	24.350	ug/L	100
65) 1,2-Dichlorobenzene	13.88	146	287058	24.908	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.49	75	23507	22.557	ug/L	100
67) 1,3,5-Trichlorobenzene	14.64	180	231706	24.934	ug/L	100
68) 1,2,4-trichlorobenzene	15.15	180	187460	25.117	ug/L	100
69) Naphthalene	15.38	128	387979	25.969	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	176283	25.002	ug/L	100

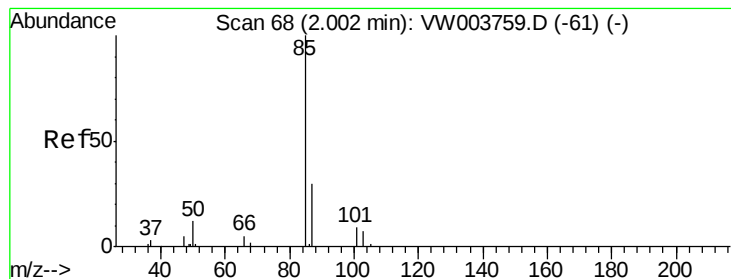
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 10.103 ug/L

RT: 2.00 min Scan# 68

Delta R.T. 0.00 min

Lab File: VW003759.D

Acq: 07 Jul 2018 10:19

Instrument :

MSVOA_W

ClientSampled :

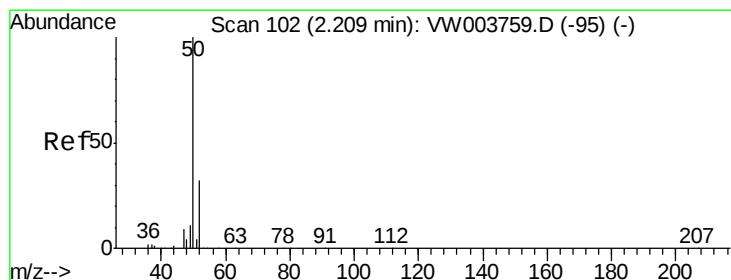
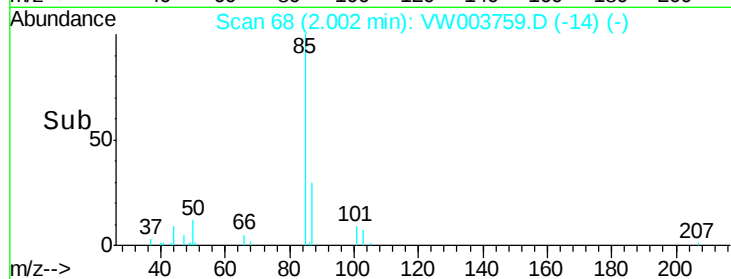
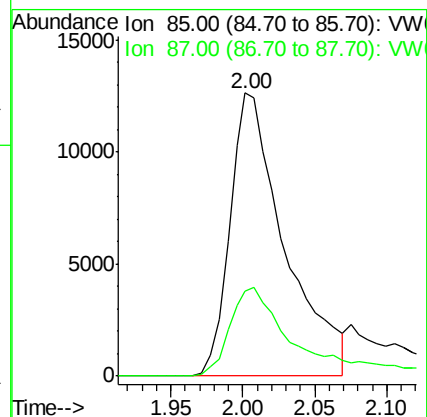
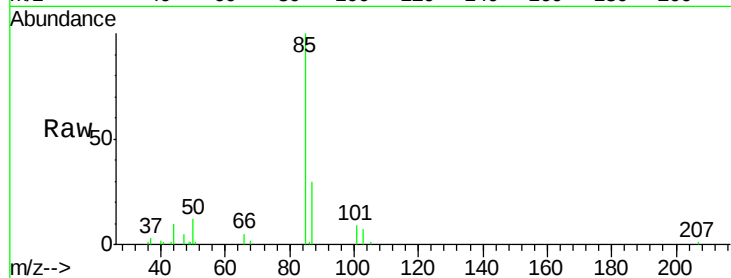
VSTD02589

Tgt Ion: 85 Resp: 33416

Ion Ratio Lower Upper

85 100

87 30.8 16.4 30.4#



#3

Chloromethane

Concen: 20.663 ug/L

RT: 2.21 min Scan# 102

Delta R.T. 0.00 min

Lab File: VW003759.D

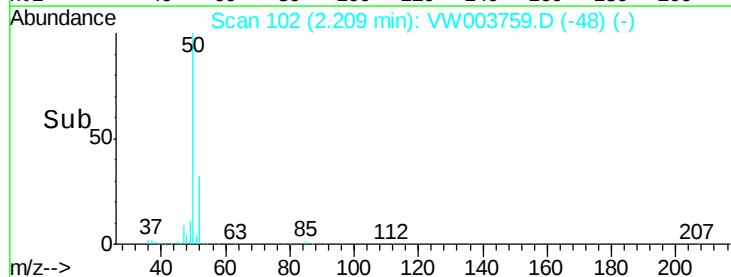
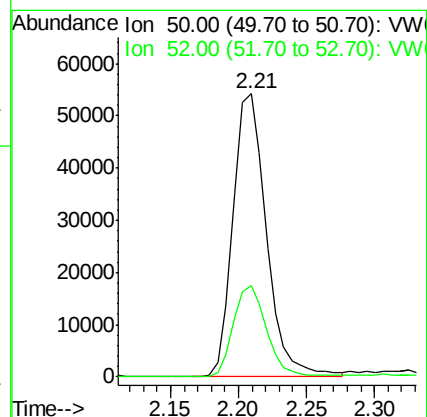
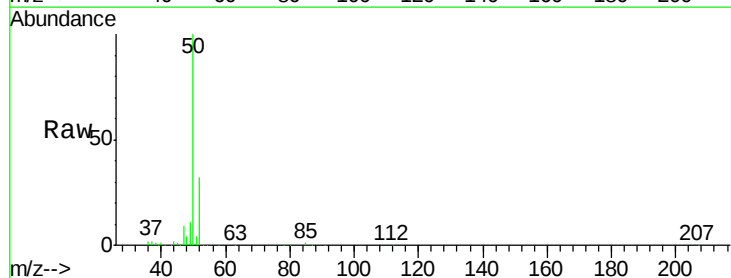
Acq: 07 Jul 2018 10:19

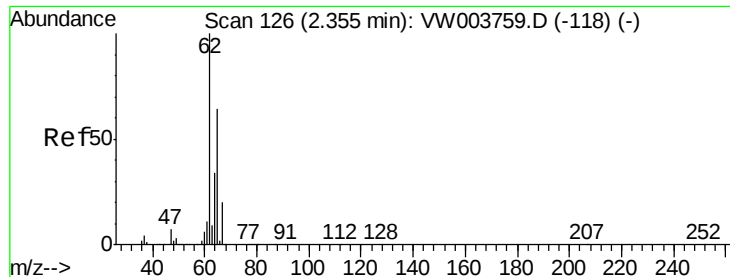
Tgt Ion: 50 Resp: 93445

Ion Ratio Lower Upper

50 100

52 32.5 22.7 42.3





#5

Vinyl chloride

Concen: 21.103 ug/L

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW003759.D

Acq: 07 Jul 2018 10:19

Instrument :

MSVOA_W

ClientSampleId :

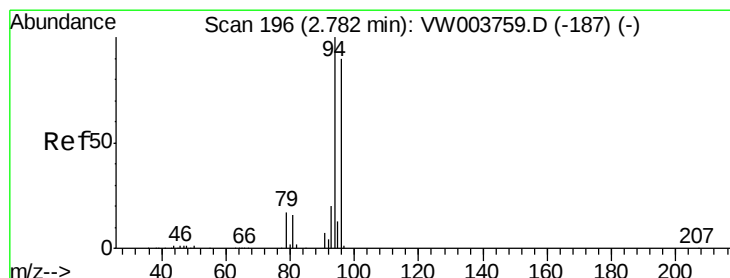
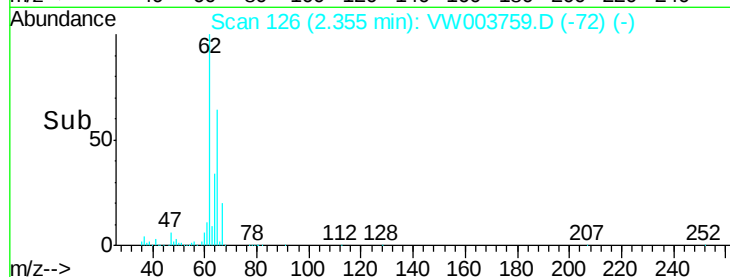
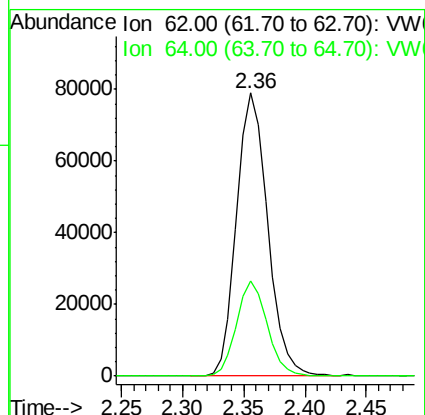
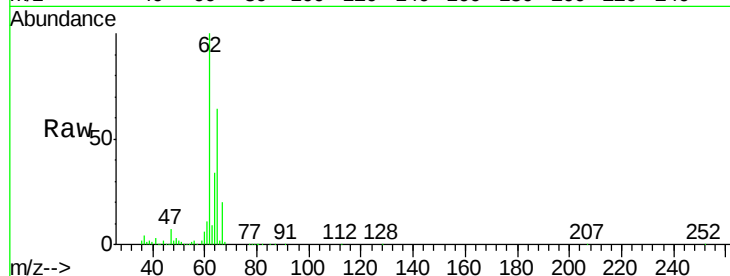
VSTD02589

Tgt Ion: 62 Resp: 139488

Ion Ratio Lower Upper

62 100

64 33.5 23.4 43.6



#6

Bromomethane

Concen: 20.088 ug/L

RT: 2.78 min Scan# 196

Delta R.T. 0.00 min

Lab File: VW003759.D

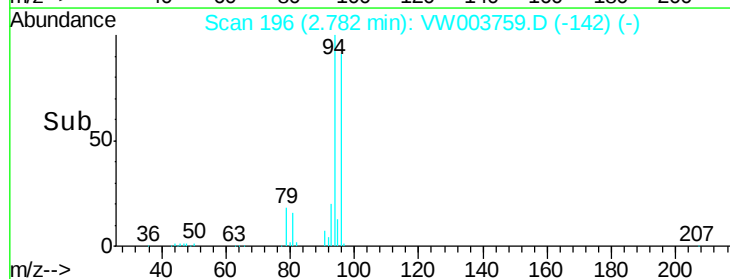
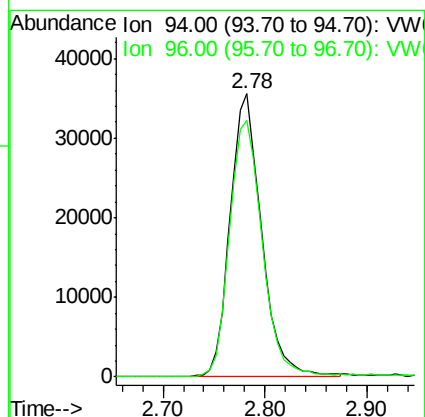
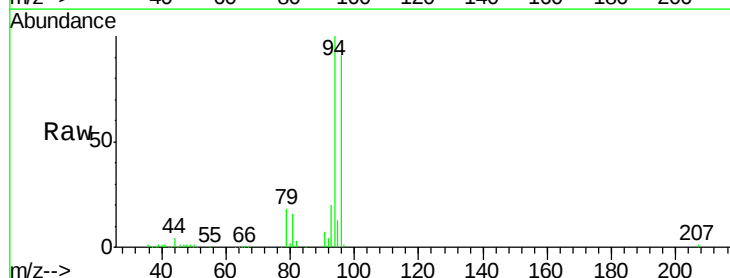
Acq: 07 Jul 2018 10:19

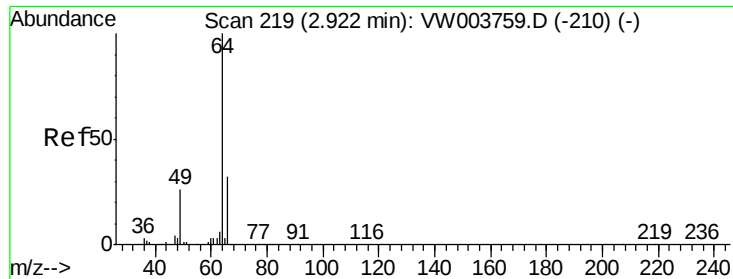
Tgt Ion: 94 Resp: 76063

Ion Ratio Lower Upper

94 100

96 94.5 9.4 179.5

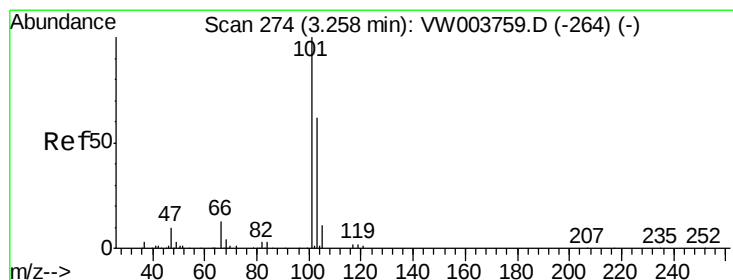
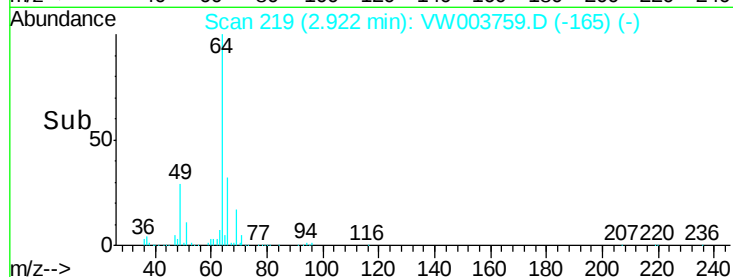
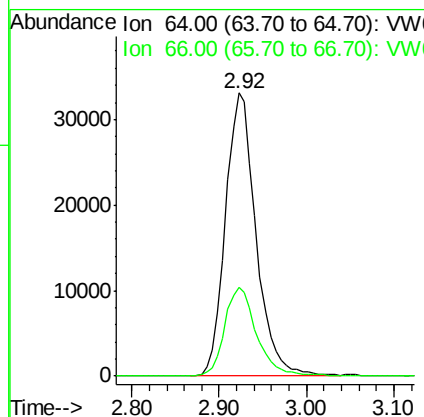
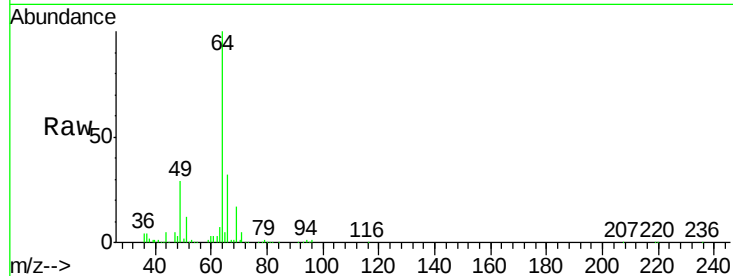




#8
Chloroethane
Concen: 22.134 ug/L
RT: 2.92 min Scan# 219
Delta R.T. 0.00 min
Lab File: VW003759.D
Acq: 07 Jul 2018 10:19

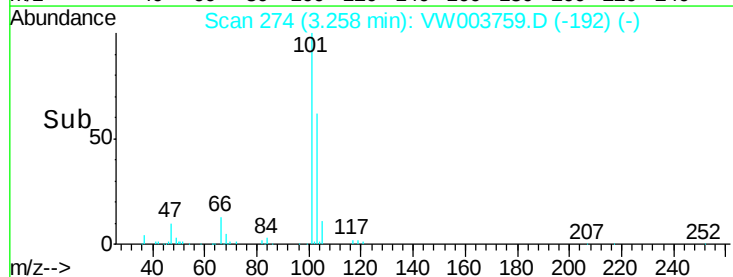
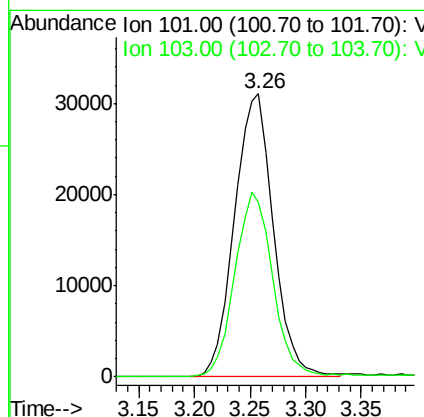
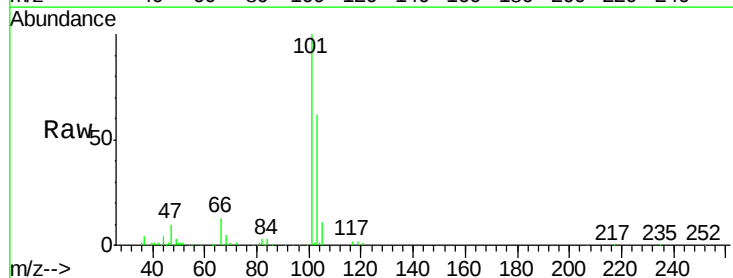
Instrument :
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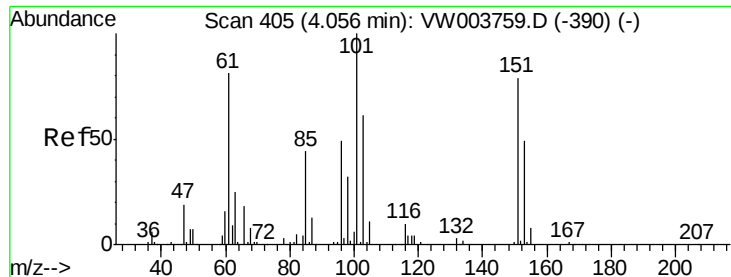
Tgt Ion: 64 Resp: 80404
Ion Ratio Lower Upper
64 100
66 31.6 22.1 41.1



#9
Trichlorofluoromethane
Concen: 24.446 ug/L
RT: 3.26 min Scan# 274
Delta R.T. 0.00 min
Lab File: VW003759.D
Acq: 07 Jul 2018 10:19

Tgt Ion: 101 Resp: 75274
Ion Ratio Lower Upper
101 100
103 63.6 44.5 82.7





#11

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

Concen: 24.954 ug/L

RT: 4.06 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW003759.D

Acq: 07 Jul 2018 10:19

Instrument :

MSVOA_W

ClientSampleId :

VSTD02589

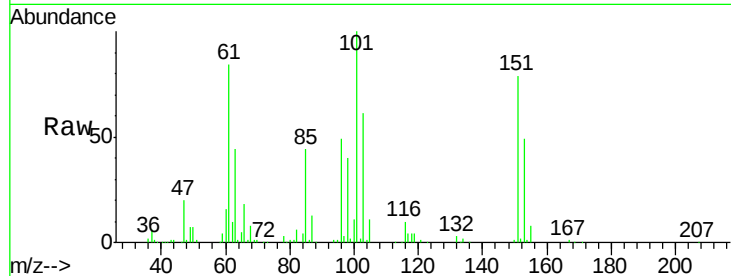
Tgt Ion: 101 Resp: 122063

Ion Ratio Lower Upper

101 100

85 45.8 36.6 55.0

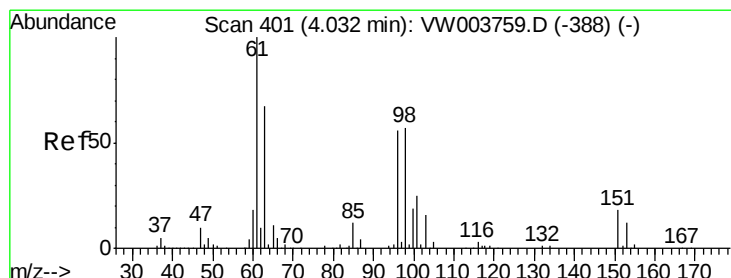
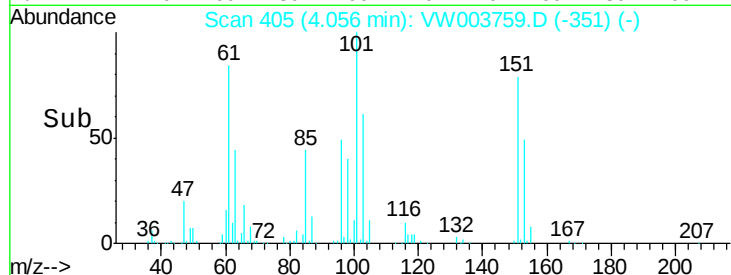
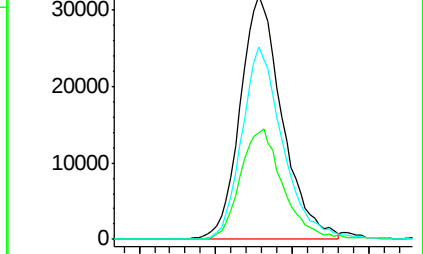
151 76.7 61.4 92.0



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: 25.021 ug/L

RT: 4.03 min Scan# 401

Delta R.T. 0.00 min

Lab File: VW003759.D

Acq: 07 Jul 2018 10:19

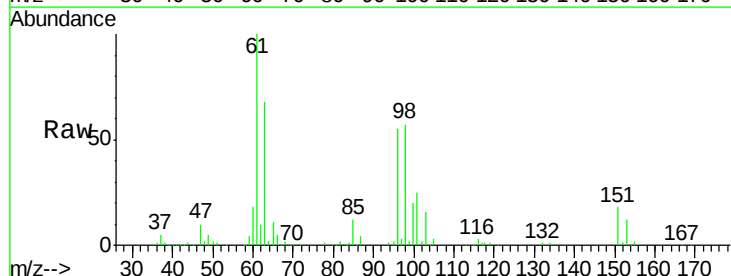
Tgt Ion: 96 Resp: 119804

Ion Ratio Lower Upper

96 100

61 180.3 126.2 234.4

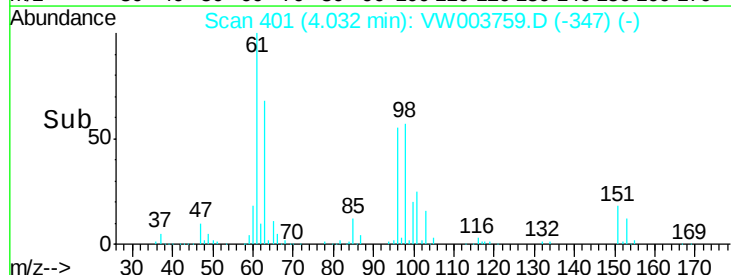
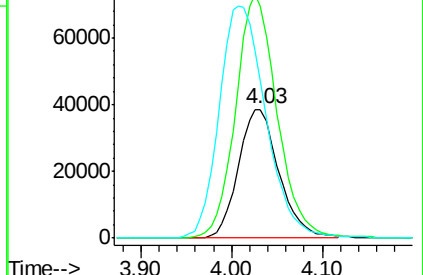
63 122.6 85.8 159.4

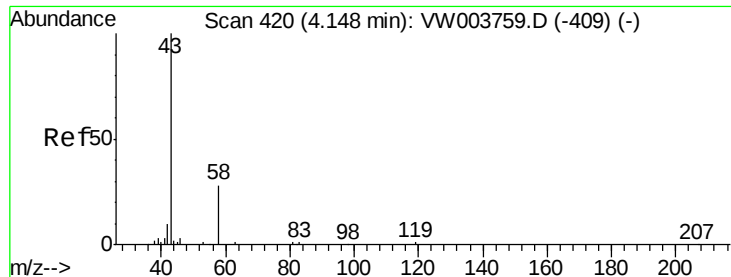


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 39.337 ug/L

RT: 4.15 min Scan# 420

Delta R.T. 0.00 min

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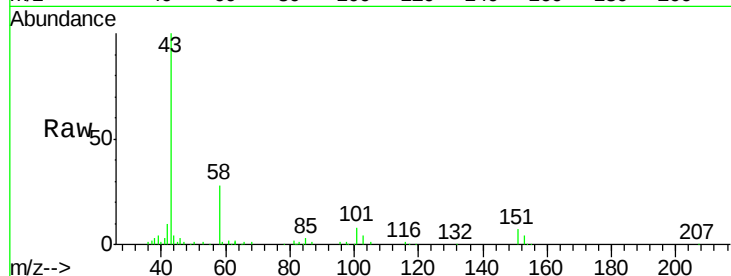
VSTD02589

Tgt Ion: 43 Resp: 71691

Ion Ratio Lower Upper

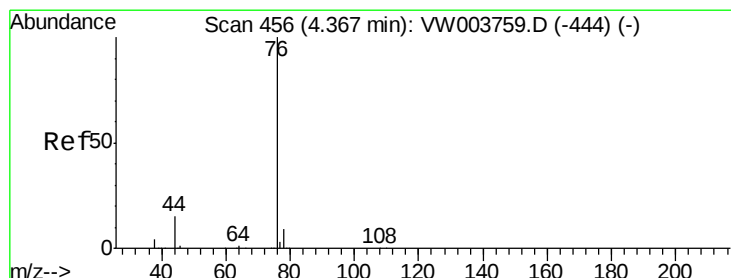
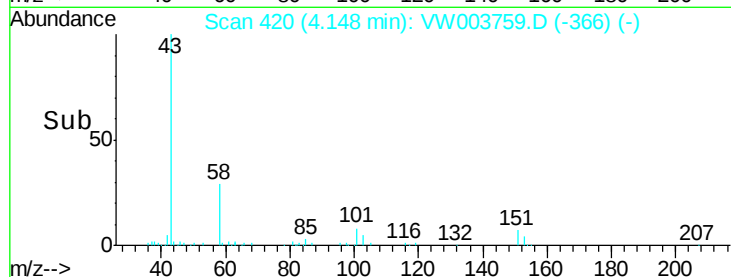
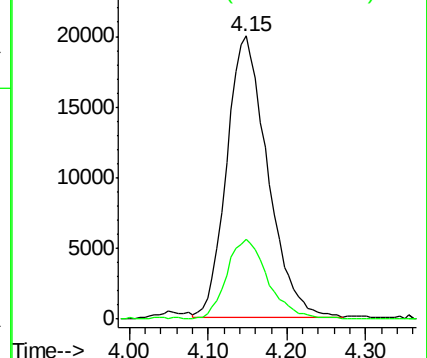
43 100

58 29.0 0.0 58.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 24.901 ug/L

RT: 4.37 min Scan# 456

Delta R.T. 0.00 min

Lab File: VW003759.D

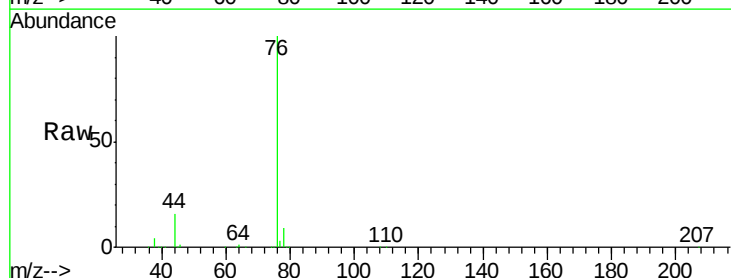
Acq: 07 Jul 2018 10:19

Tgt Ion: 76 Resp: 388798

Ion Ratio Lower Upper

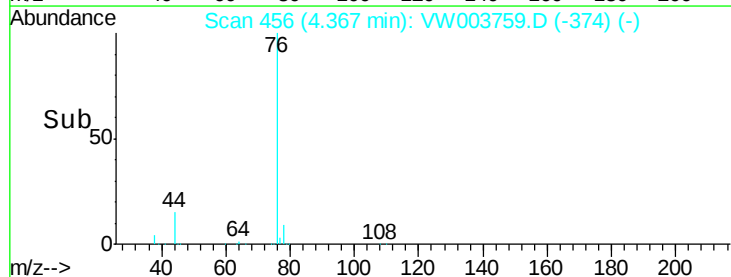
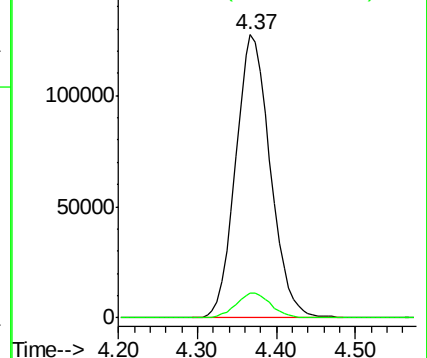
76 100

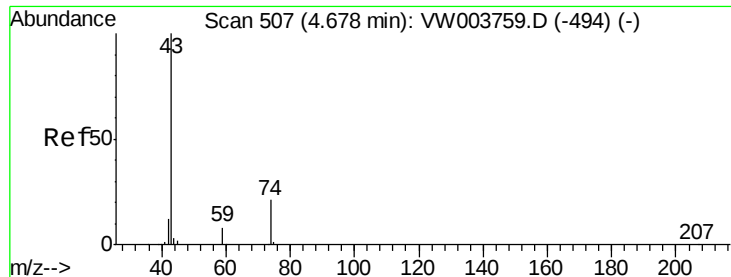
78 9.0 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

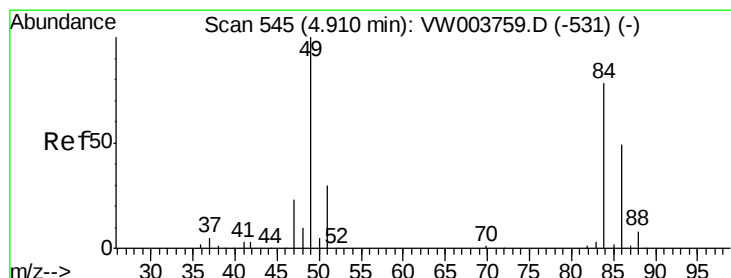
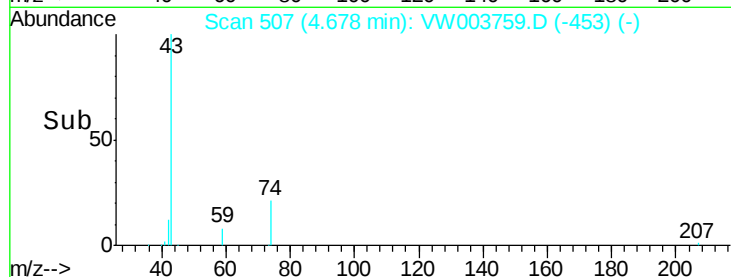
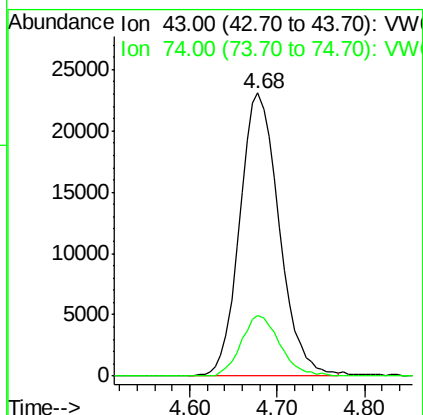
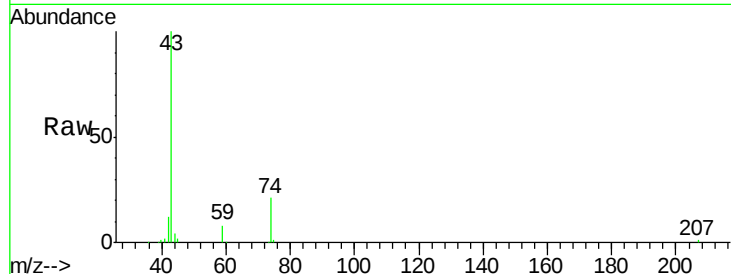




#15
Methyl Acetate
Concen: 24.891 ug/L
RT: 4.68 min Scan# 507
Delta R.T. 0.00 min
Lab File: VW003759.D
Acq: 07 Jul 2018 10:19

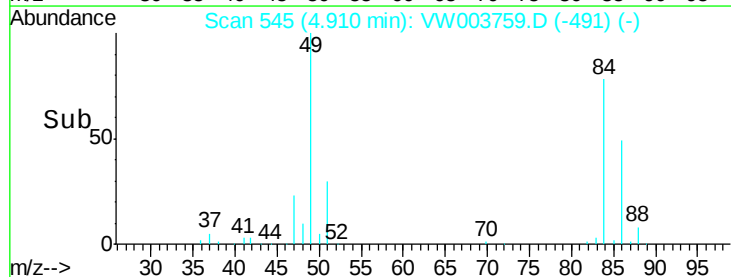
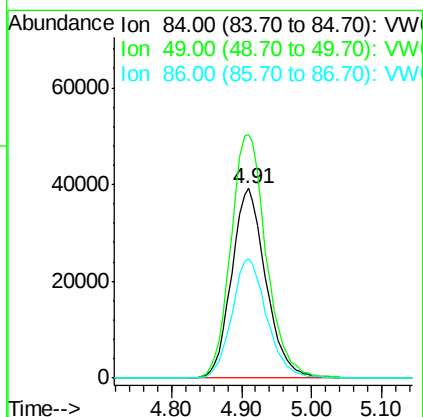
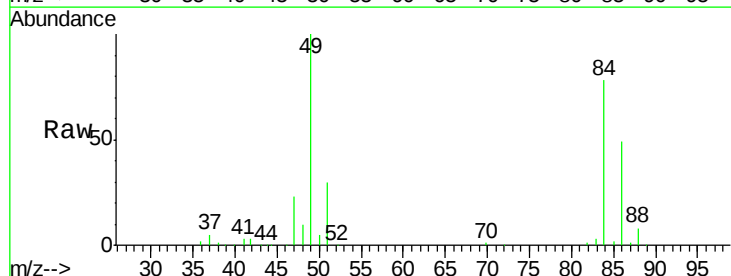
Instrument :
MSVOA_W
ClientSampleId :
VSTD02589

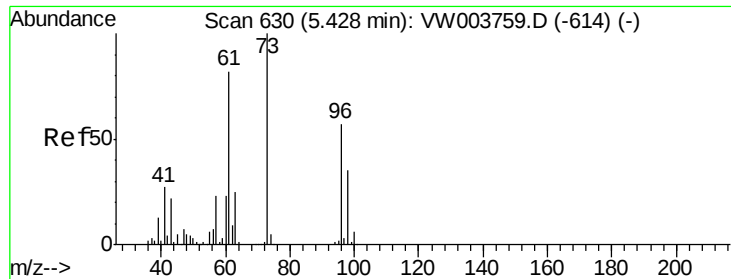
Tgt Ion: 43 Resp: 72465
Ion Ratio Lower Upper
43 100
74 21.2 17.0 25.4



#16
Methylene chloride
Concen: 21.470 ug/L
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW003759.D
Acq: 07 Jul 2018 10:19

Tgt Ion: 84 Resp: 133840
Ion Ratio Lower Upper
84 100
49 128.4 89.9 166.9
86 62.7 43.9 81.5

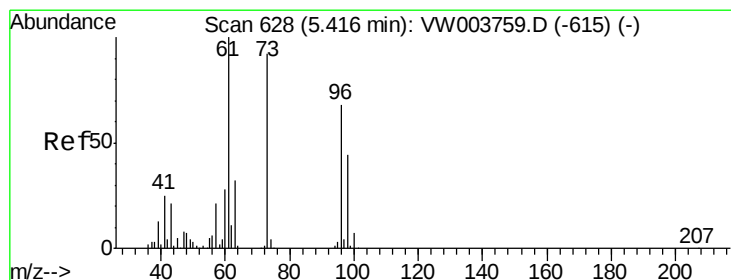
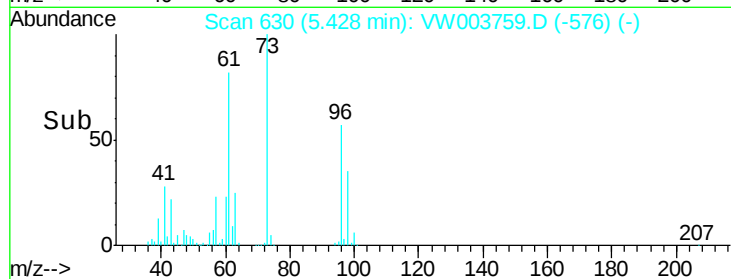
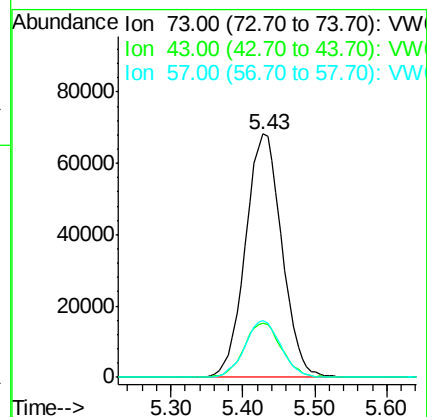
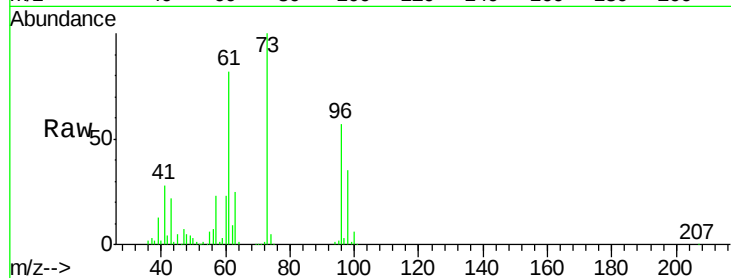




#17
Methyl tert-butyl Ether
Concen: 26.208 ug/L
RT: 5.43 min Scan# 630
Delta R.T. 0.00 min
Lab File: VW003759.D
Acq: 07 Jul 2018 10:19

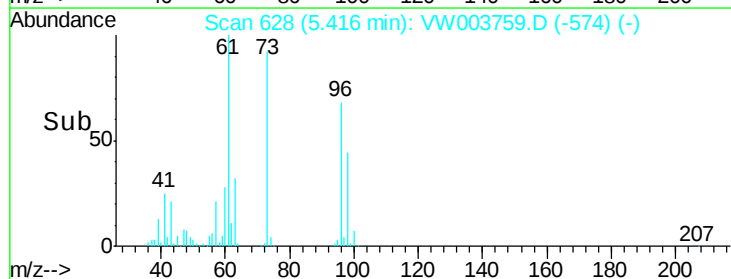
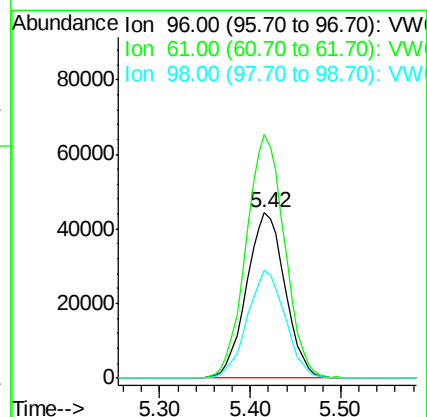
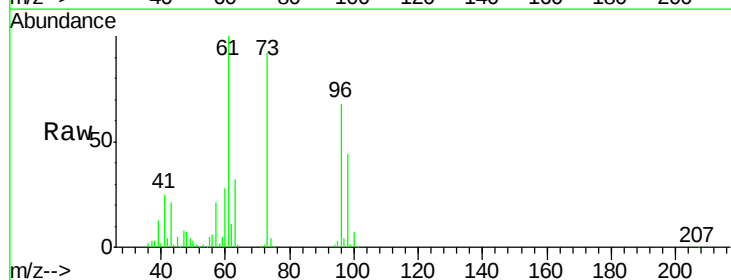
Instrument :
MSVOA_W
ClientSampleId :
VSTD02589

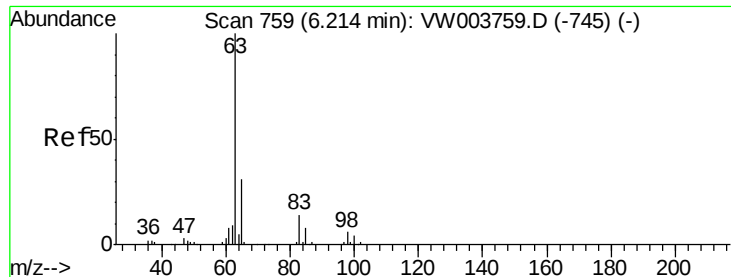
Tgt Ion: 73 Resp: 239480
Ion Ratio Lower Upper
73 100
43 22.8 18.2 27.4
57 23.3 18.6 28.0



#18
trans-1,2-Dichloroethene
Concen: 25.145 ug/L
RT: 5.42 min Scan# 628
Delta R.T. 0.00 min
Lab File: VW003759.D
Acq: 07 Jul 2018 10:19

Tgt Ion: 96 Resp: 130536
Ion Ratio Lower Upper
96 100
61 147.1 103.0 191.2
98 65.5 45.8 85.2

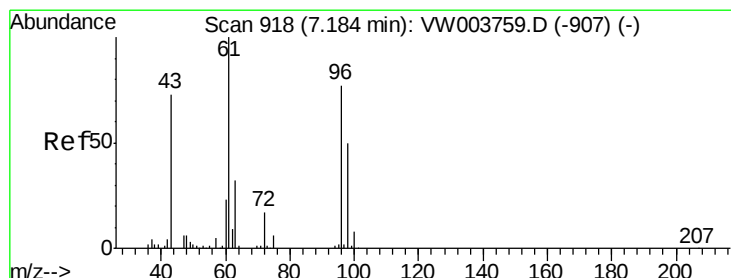
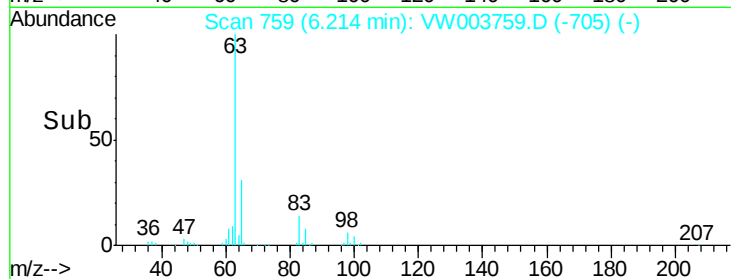
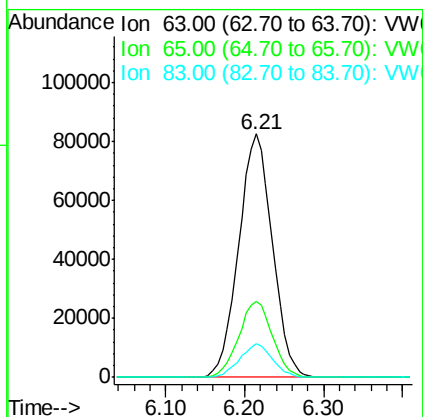
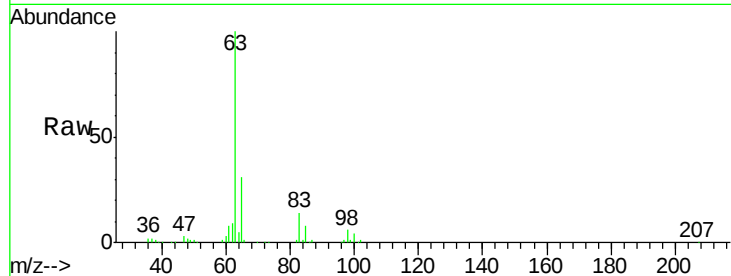




#19
 1,1-Dichloroethane
 Concen: 24.219 ug/L
 RT: 6.21 min Scan# 759
 Delta R.T. 0.00 min
 Lab File: VW003759.D
 Acq: 07 Jul 2018 10:19

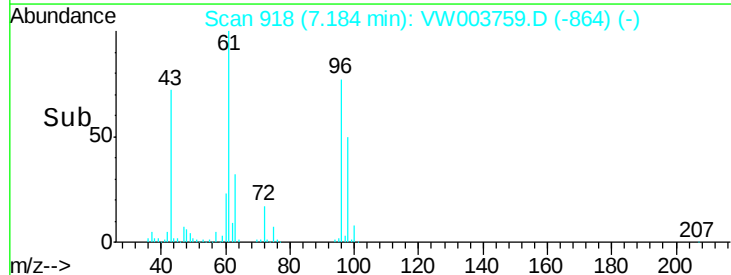
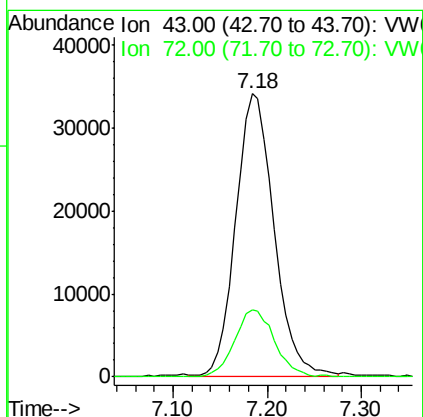
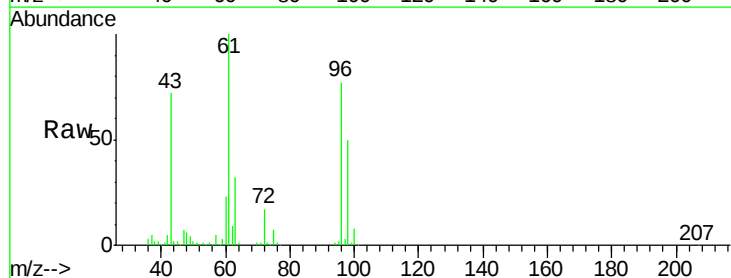
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02589

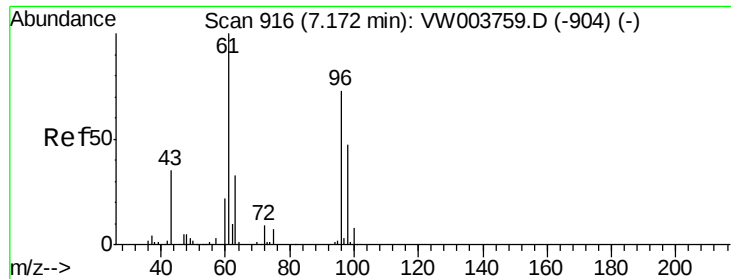
Tgt Ion: 63 Resp: 244641
 Ion Ratio Lower Upper
 63 100
 65 31.3 21.9 40.7
 83 13.7 9.6 17.8



#21
 2-Butanone
 Concen: 42.490 ug/L
 RT: 7.18 min Scan# 918
 Delta R.T. 0.00 min
 Lab File: VW003759.D
 Acq: 07 Jul 2018 10:19

Tgt Ion: 43 Resp: 97361
 Ion Ratio Lower Upper
 43 100
 72 24.6 12.3 36.9



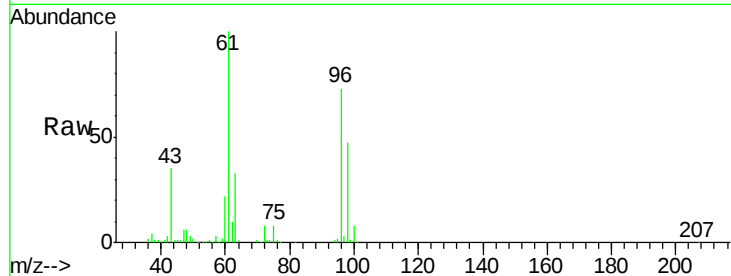


#22

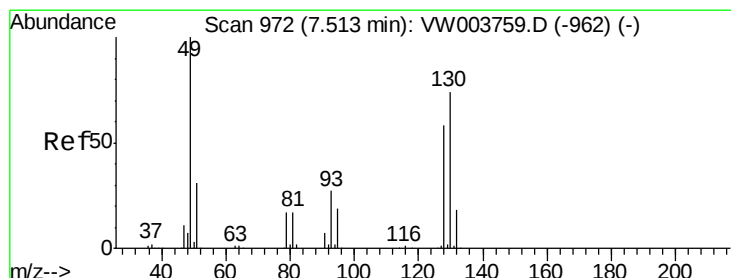
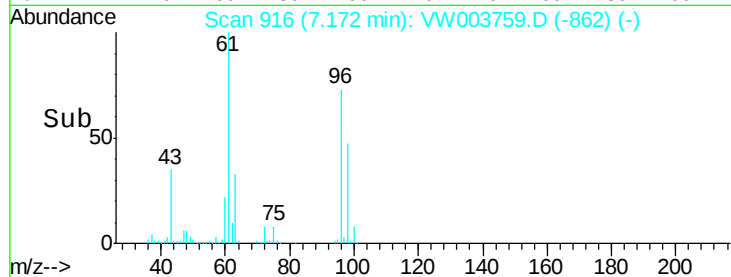
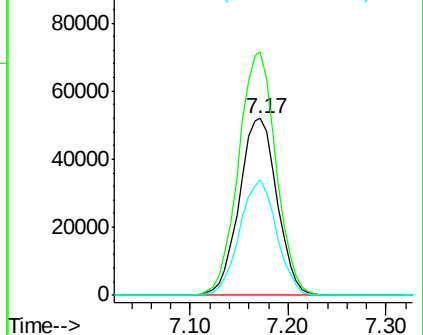
cis-1,2-Dichloroethene
 Concen: 24.448 ug/L
 RT: 7.17 min Scan# 916
 Delta R.T. 0.00 min
 Lab File: VW003759.D
 Acq: 07 Jul 2018 10:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02589

Tgt Ion: 96 Resp: 139221
 Ion Ratio Lower Upper
 96 100
 61 137.7 96.4 179.0
 98 65.2 45.6 84.8



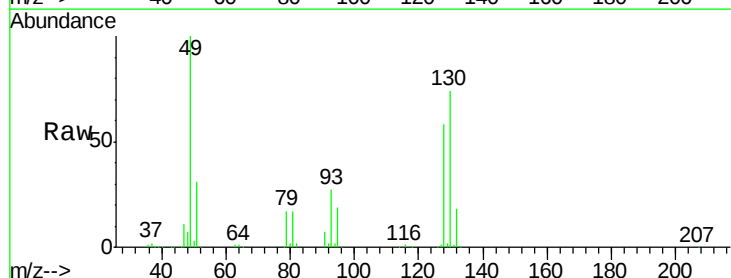
Abundance Ion 96.00 (95.70 to 96.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 98.00 (97.70 to 98.70): VW



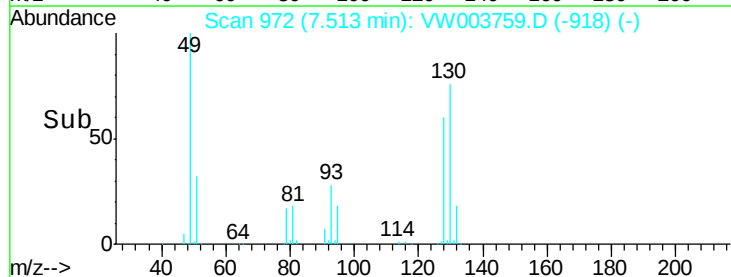
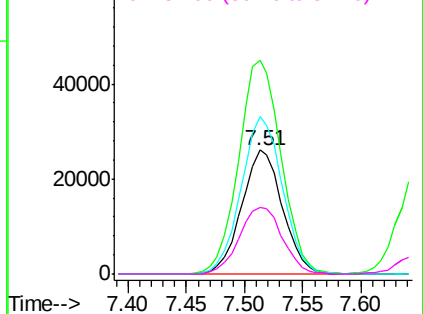
#23

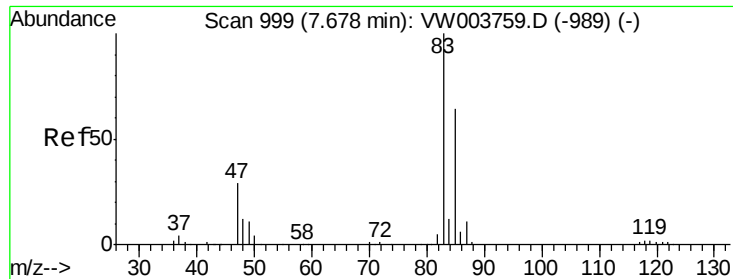
Bromochloromethane
 Concen: 23.747 ug/L
 RT: 7.51 min Scan# 972
 Delta R.T. 0.00 min
 Lab File: VW003759.D
 Acq: 07 Jul 2018 10:19

Tgt Ion: 128 Resp: 63661
 Ion Ratio Lower Upper
 128 100
 49 172.4 120.7 224.1
 130 126.8 88.8 164.8
 51 54.0 43.2 64.8



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VW
 Ion 130.00 (129.70 to 130.70): V
 Ion 51.00 (50.70 to 51.70): VW

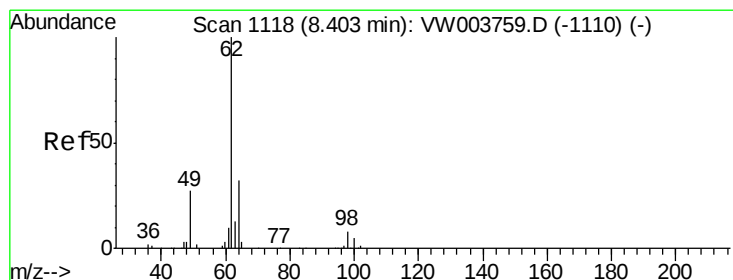
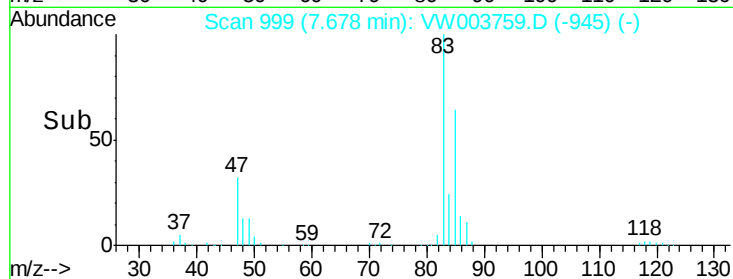
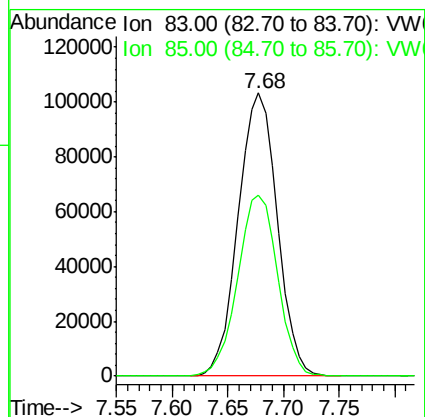
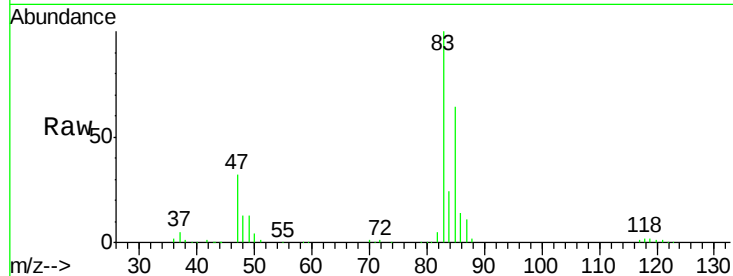




#25
Chloroform
Concen: 24.067 ug/L
RT: 7.68 min Scan# 999
Delta R.T. 0.00 min
Lab File: VW003759.D
Acq: 07 Jul 2018 10:19

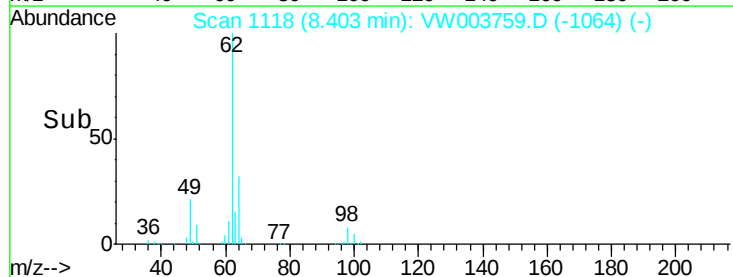
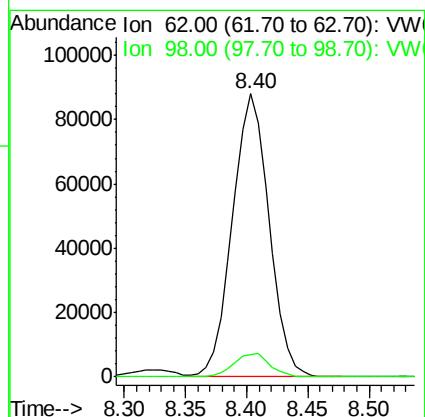
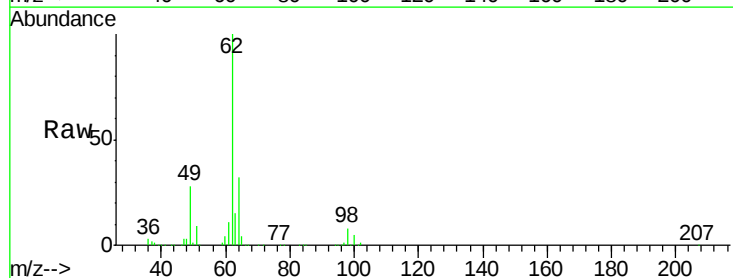
Instrument :
MSVOA_W
ClientSampleId :
VSTD02589

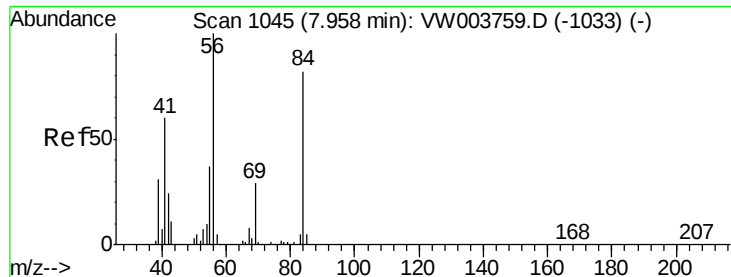
Tgt Ion: 83 Resp: 252253
Ion Ratio Lower Upper
83 100
85 65.7 46.0 85.4



#27
1,2-Dichloroethane
Concen: 23.847 ug/L
RT: 8.40 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VW003759.D
Acq: 07 Jul 2018 10:19

Tgt Ion: 62 Resp: 182953
Ion Ratio Lower Upper
62 100
98 8.0 6.4 9.6

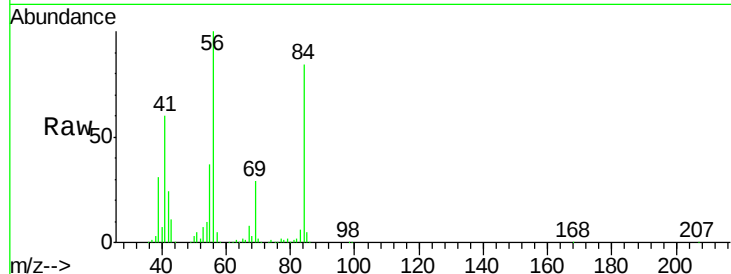




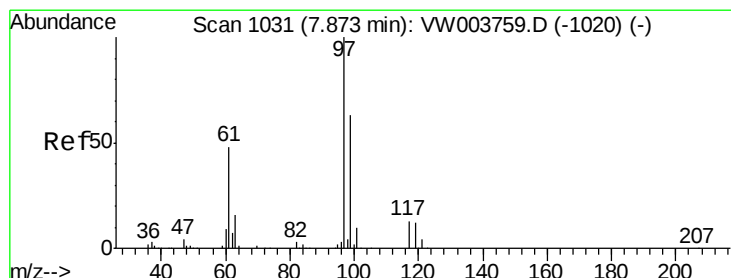
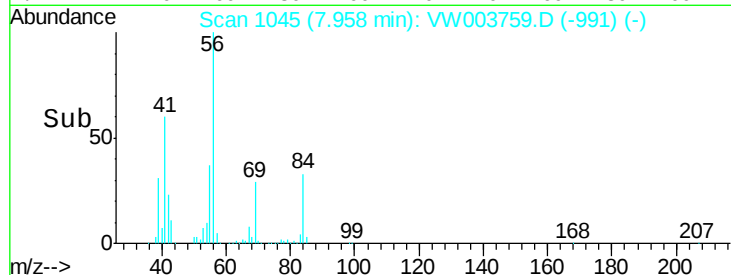
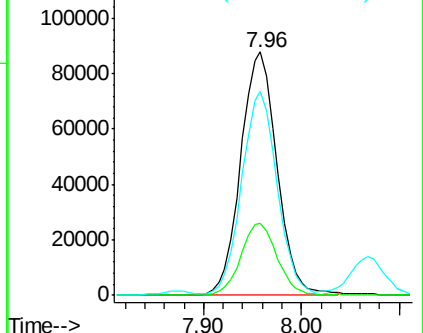
#30
Cyclohexane
Concen: 26.697 ug/L
RT: 7.96 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VW003759.D
Acq: 07 Jul 2018 10:19

Instrument :
MSVOA_W
ClientSampleId :
VSTD02589

Tgt Ion: 56 Resp: 226242
Ion Ratio Lower Upper
56 100
69 29.6 23.7 35.5
84 82.2 65.8 98.6

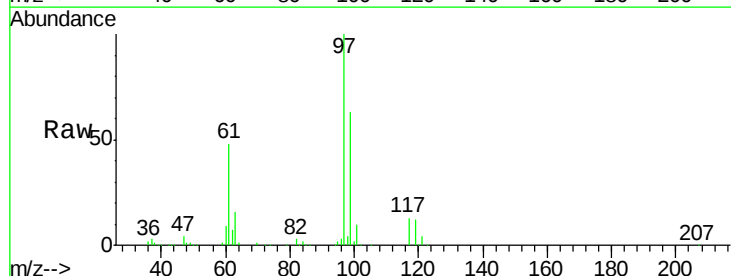


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

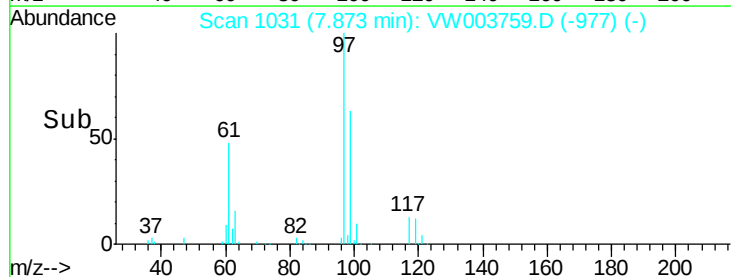
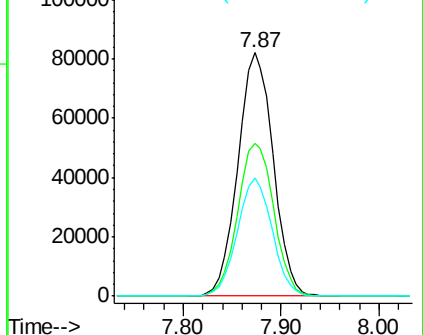


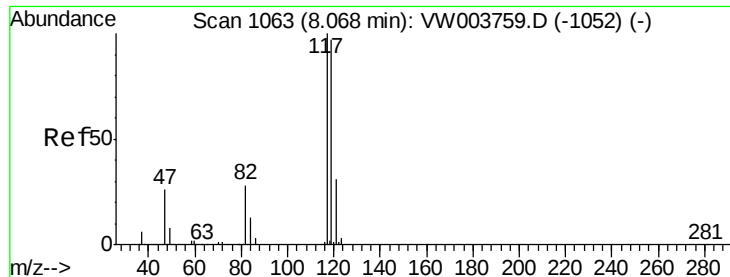
#31
1,1,1-Trichloroethane
Concen: 25.449 ug/L
RT: 7.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VW003759.D
Acq: 07 Jul 2018 10:19

Tgt Ion: 97 Resp: 206072
Ion Ratio Lower Upper
97 100
99 64.1 51.3 76.9
61 47.6 38.1 57.1



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 24.831 ug/L

RT: 8.07 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VW003759.D

Acq: 07 Jul 2018 10:19

Instrument :

MSVOA_W

ClientSampleId :

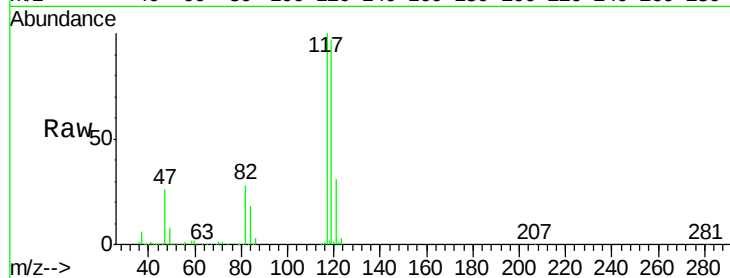
VSTD02589

Tgt Ion:117 Resp: 196803

Ion Ratio Lower Upper

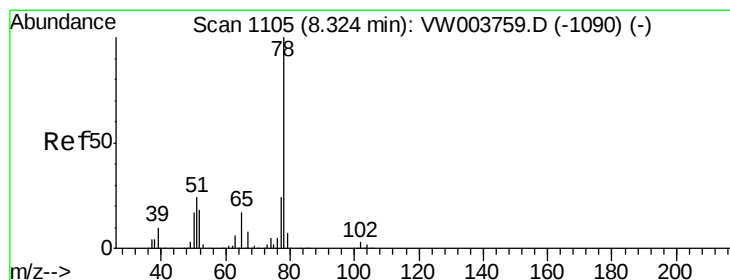
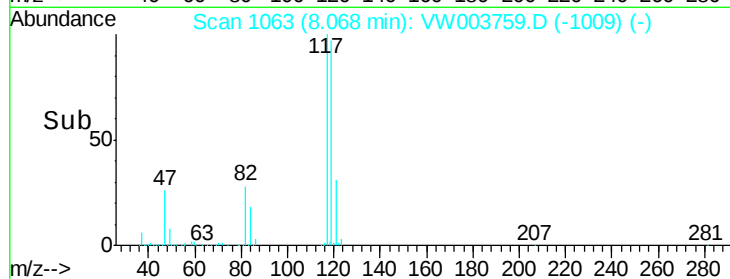
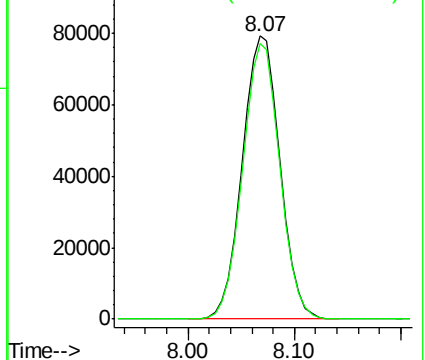
117 100

119 96.0 76.8 115.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.413 ug/L

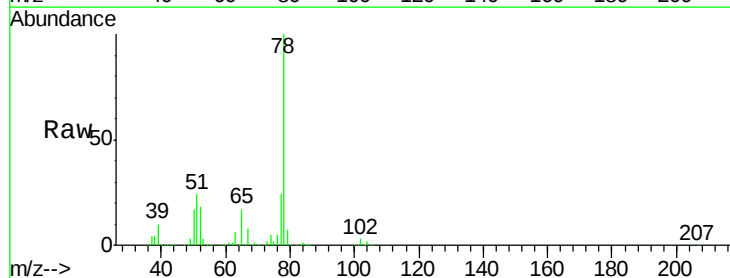
RT: 8.32 min Scan# 1105

Delta R.T. 0.00 min

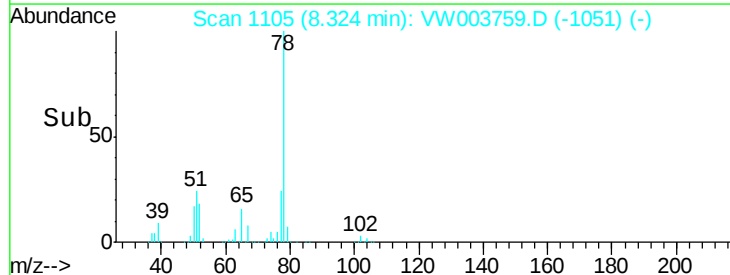
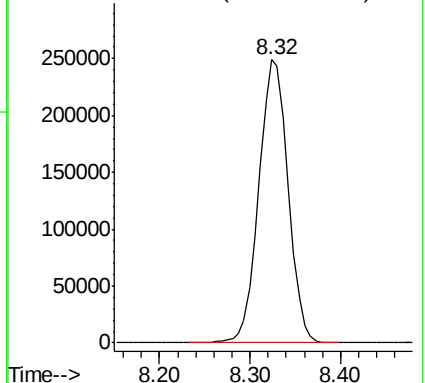
Lab File: VW003759.D

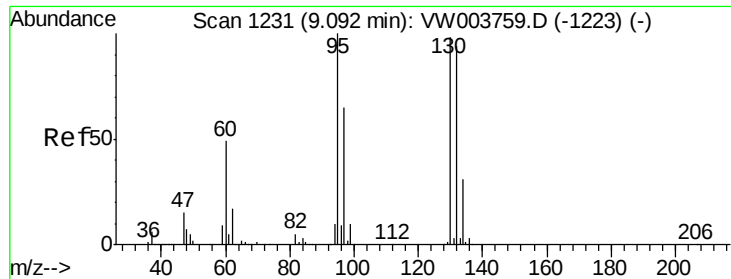
Acq: 07 Jul 2018 10:19

Tgt Ion: 78 Resp: 555660



Abundance Ion 78.00 (77.70 to 78.70): VW

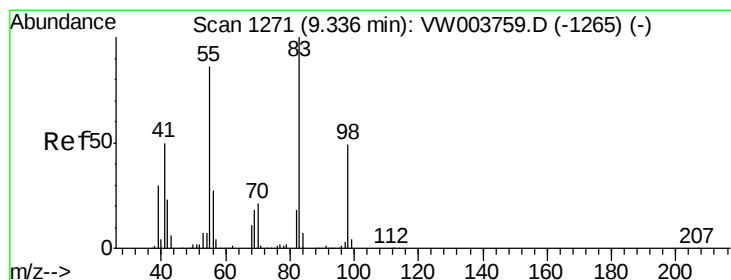
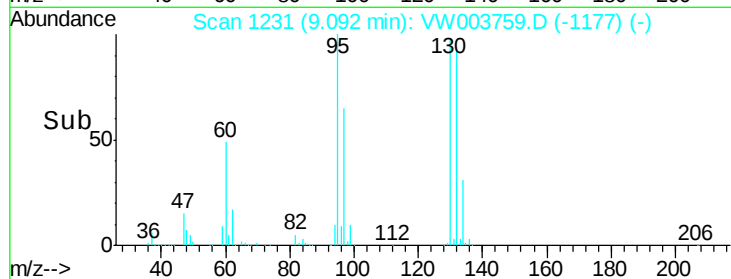
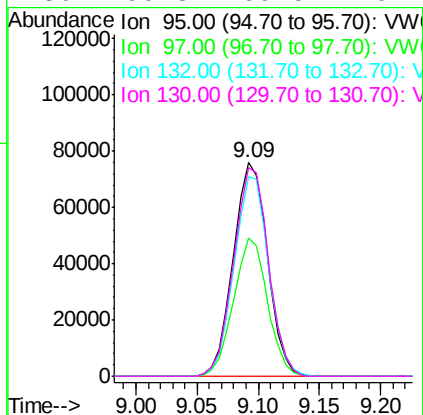
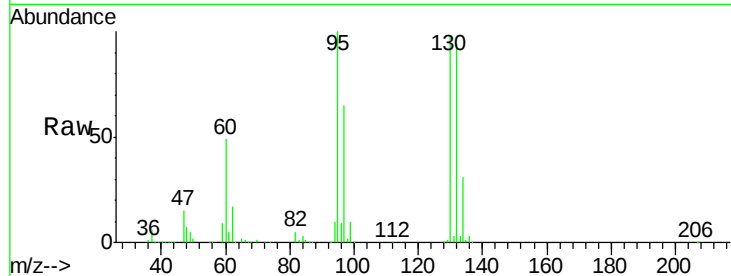




#35
 Trichloroethene
 Concen: 25.292 ug/L
 RT: 9.09 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: VW003759.D
 Acq: 07 Jul 2018 10:19

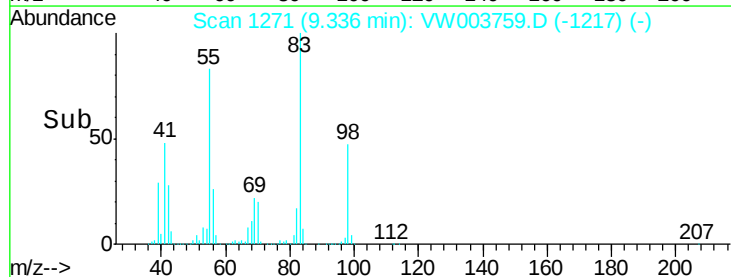
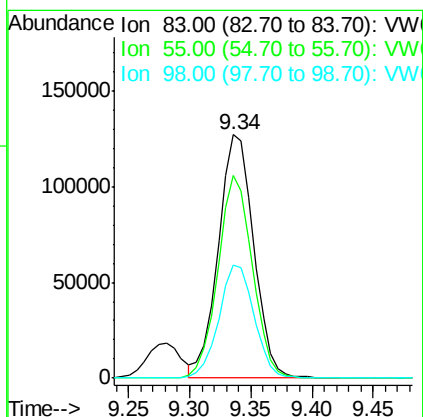
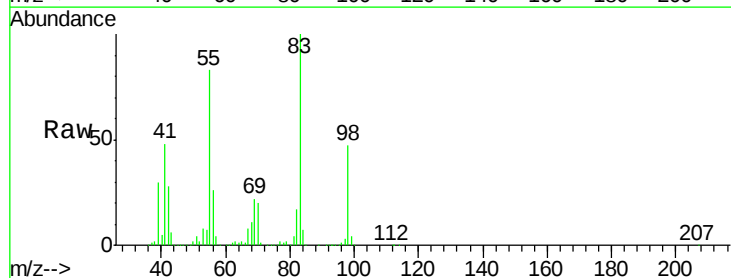
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02589

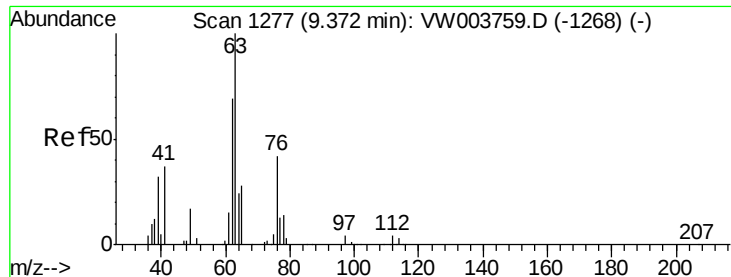
Tgt Ion:	95	Resp:	147109
Ion	Ratio	Lower	Upper
95	100		
97	63.8	44.7	82.9
132	94.6	66.2	123.0
130	99.3	69.5	129.1



#36
 Methylcyclohexane
 Concen: 26.139 ug/L
 RT: 9.34 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VW003759.D
 Acq: 07 Jul 2018 10:19

Tgt Ion:	83	Resp:	255659
Ion	Ratio	Lower	Upper
83	100		
55	81.2	65.0	97.4
98	46.3	37.0	55.6

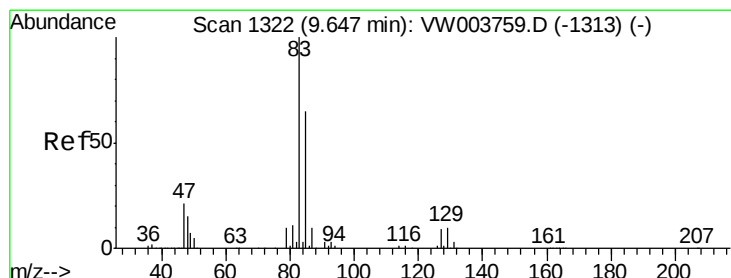
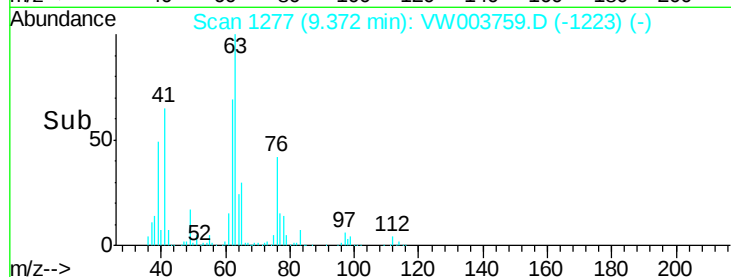
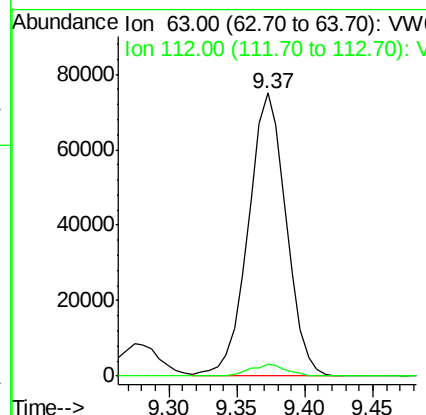
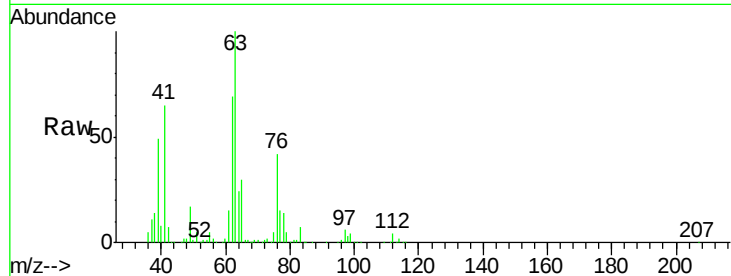




#40
 1,2-Dichloropropane
 Concen: 25.212 ug/L
 RT: 9.37 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VW003759.D
 Acq: 07 Jul 2018 10:19

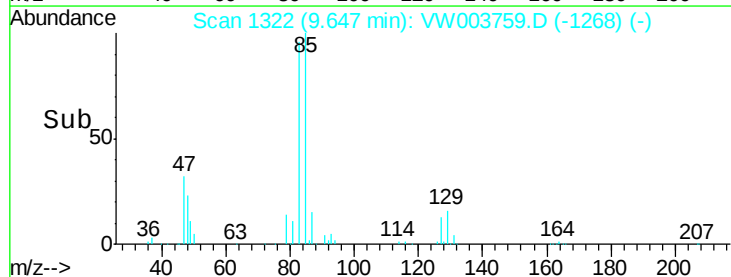
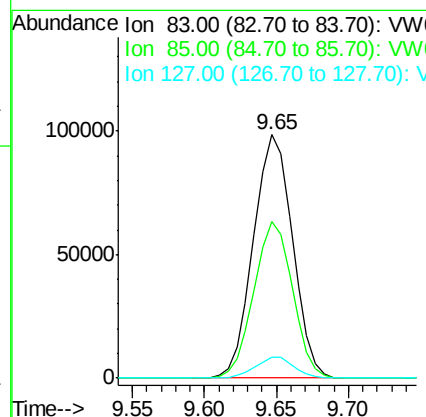
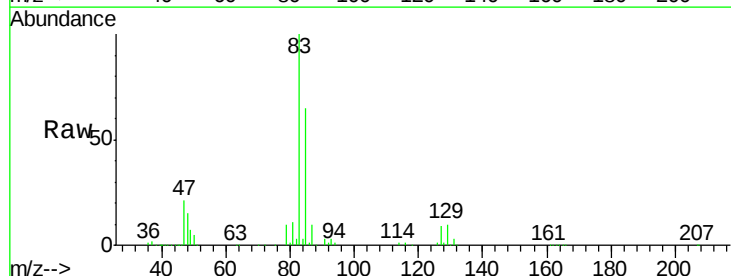
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02589

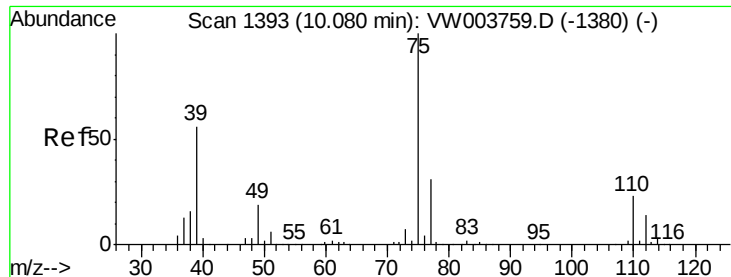
Tgt Ion: 63 Resp: 146014
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.3 4.9



#41
 Bromodichloromethane
 Concen: 24.661 ug/L
 RT: 9.65 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VW003759.D
 Acq: 07 Jul 2018 10:19

Tgt Ion: 83 Resp: 185716
 Ion Ratio Lower Upper
 83 100
 85 64.5 45.1 83.9
 127 8.5 6.8 10.2

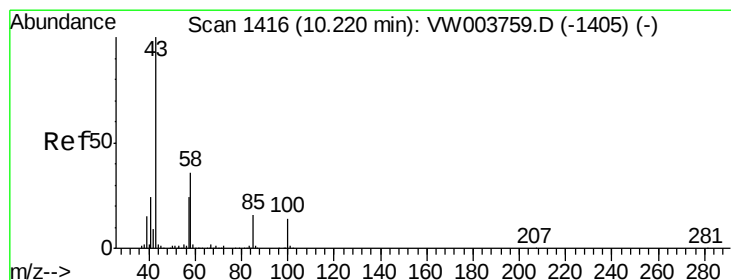
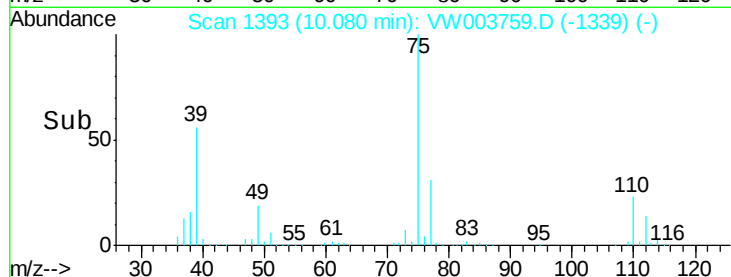
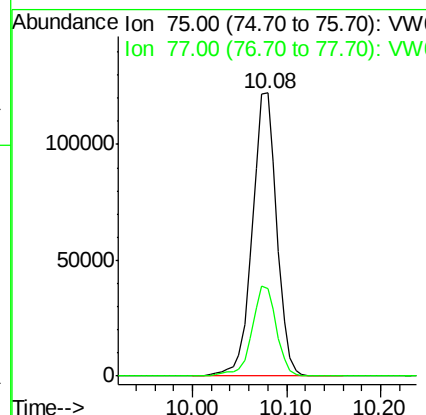
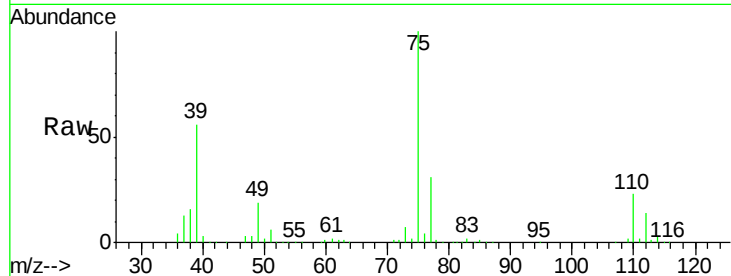




#42
 cis-1,3-Dichloropropene
 Concen: 25.876 ug/L
 RT: 10.08 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VW003759.D
 Acq: 07 Jul 2018 10:19

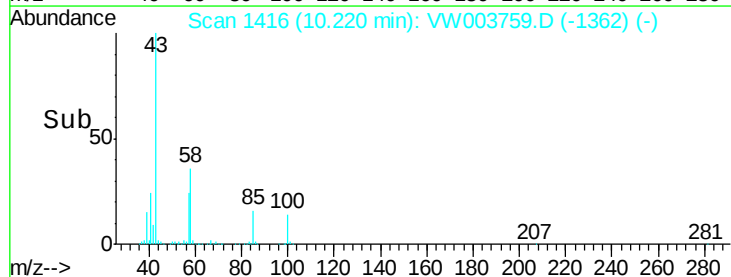
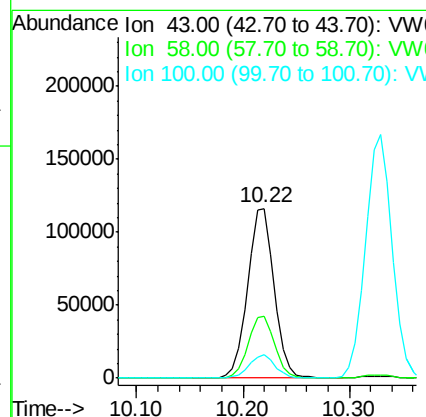
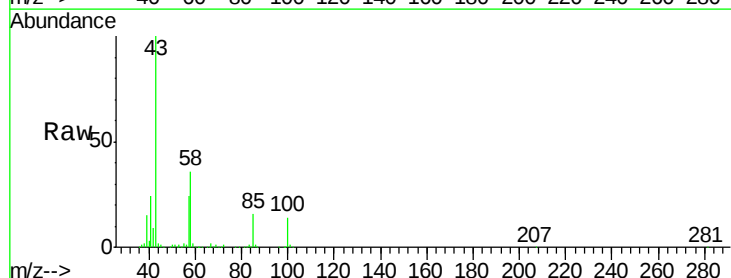
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02589

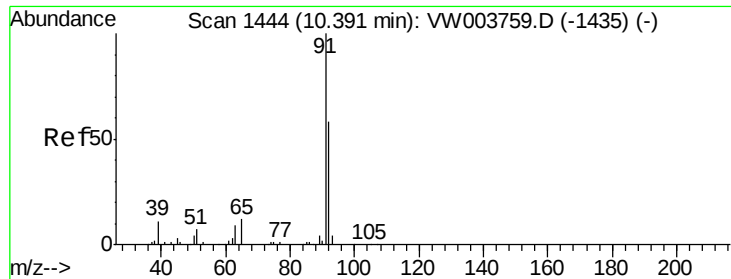
Tgt Ion: 75 Resp: 223242
 Ion Ratio Lower Upper
 75 100
 77 30.8 21.6 40.0



#43
 4-Methyl-2-pentanone
 Concen: 48.835 ug/L
 RT: 10.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VW003759.D
 Acq: 07 Jul 2018 10:19

Tgt Ion: 43 Resp: 203360
 Ion Ratio Lower Upper
 43 100
 58 36.2 29.0 43.4
 100 13.4 10.7 16.1





#44

Toluene

Concen: 25.983 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW003759.D

Acq: 07 Jul 2018 10:19

Instrument :

MSVOA_W

ClientSampleId :

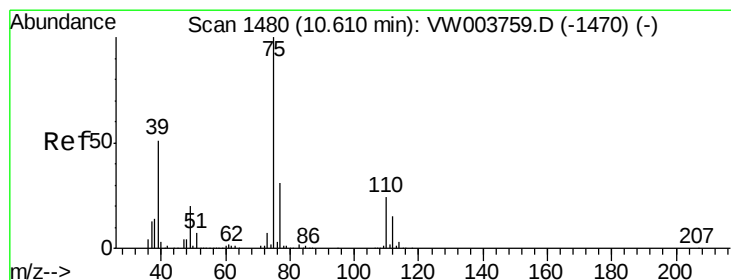
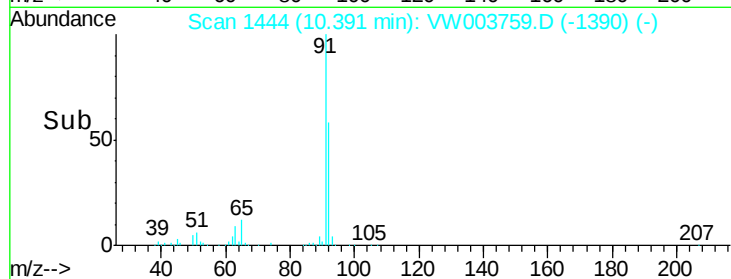
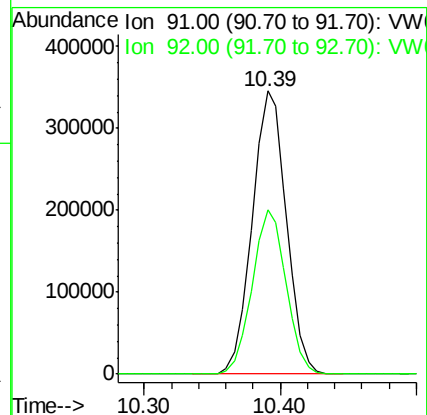
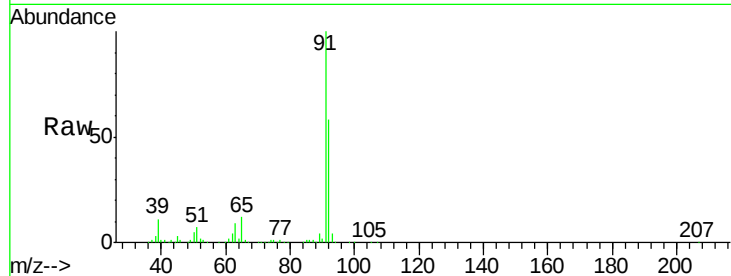
VSTD02589

Tgt Ion: 91 Resp: 607205

Ion Ratio Lower Upper

91 100

92 57.9 40.5 75.3



#45

trans-1,3-Dichloropropene

Concen: 25.812 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW003759.D

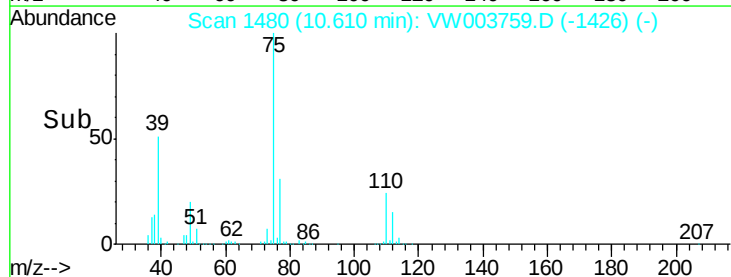
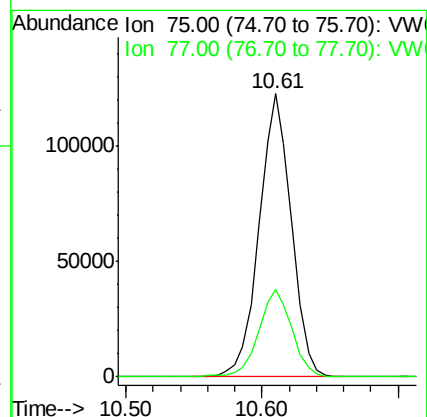
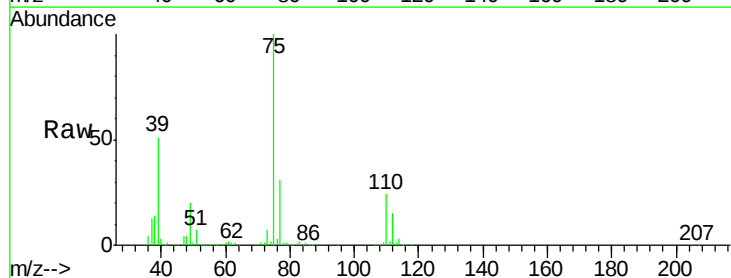
Acq: 07 Jul 2018 10:19

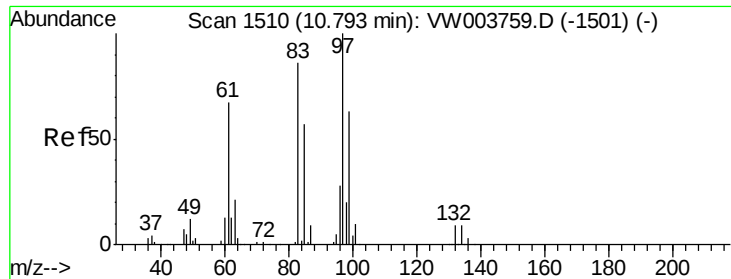
Tgt Ion: 75 Resp: 203532

Ion Ratio Lower Upper

75 100

77 31.1 21.8 40.4

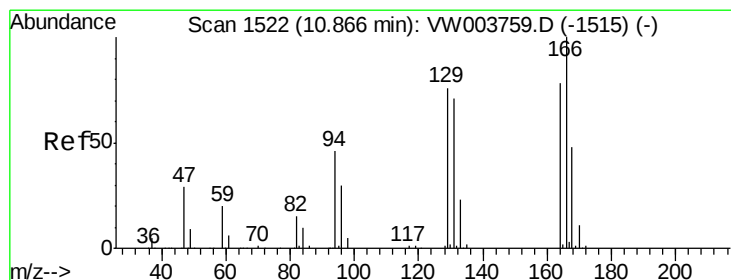
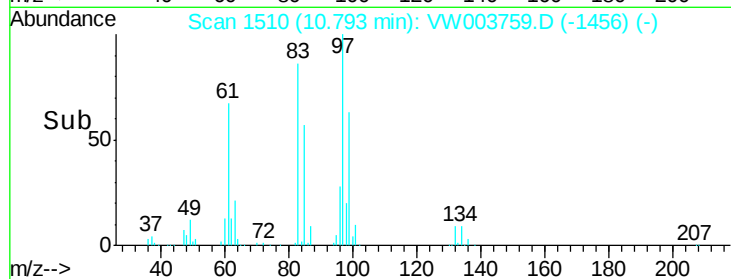
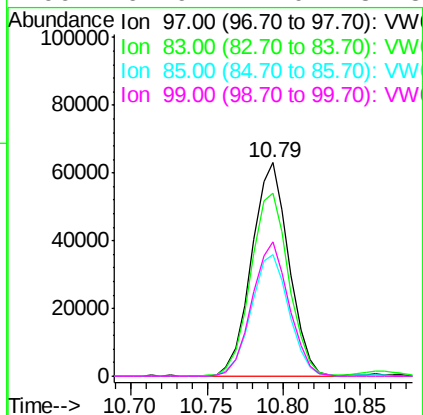
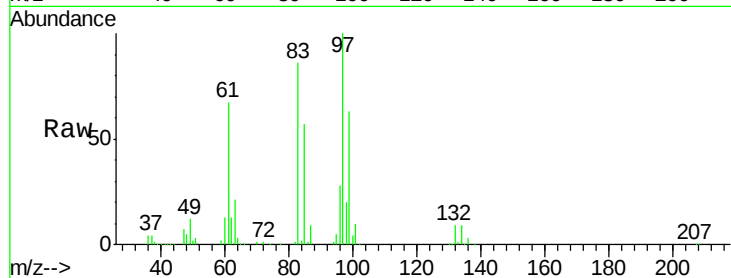




#46
 1,1,2-Trichloroethane
 Concen: 24.325 ug/L
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW003759.D
 Acq: 07 Jul 2018 10:19

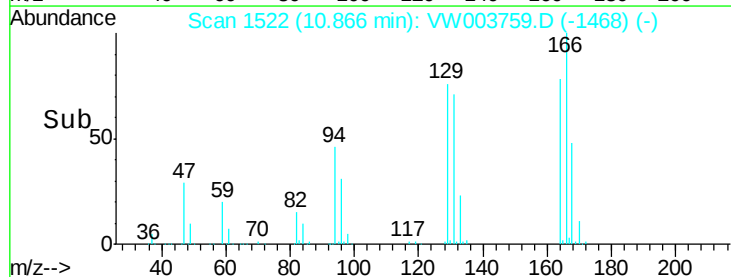
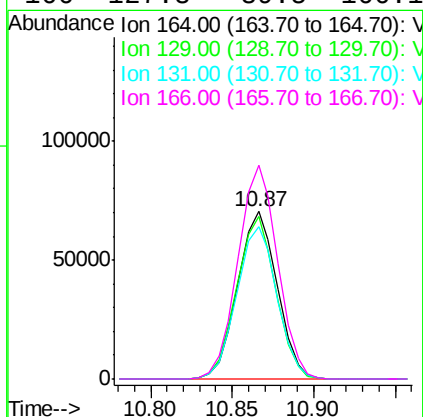
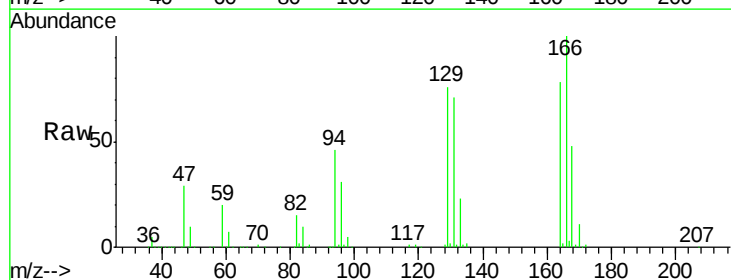
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02589

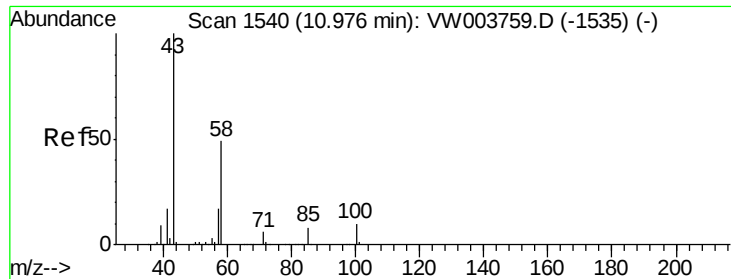
Tgt Ion:	97	Resp:	107123
Ion	Ratio	Lower	Upper
97	100		
83	85.8	60.1	111.5
85	57.1	40.0	74.2
99	62.9	44.0	81.8



#47
 Tetrachloroethene
 Concen: 24.668 ug/L
 RT: 10.87 min Scan# 1522
 Delta R.T. 0.00 min
 Lab File: VW003759.D
 Acq: 07 Jul 2018 10:19

Tgt Ion:	164	Resp:	118953
Ion	Ratio	Lower	Upper
164	100		
129	97.5	68.3	126.8
131	91.1	63.8	118.4
166	127.8	89.5	166.1

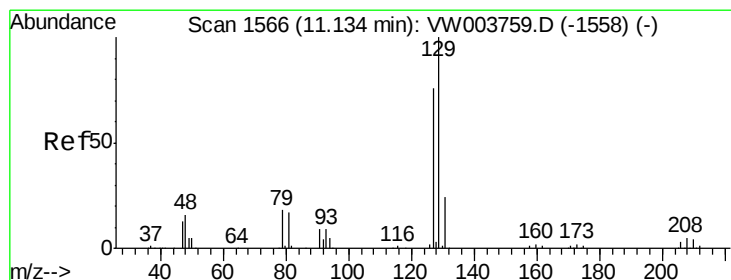
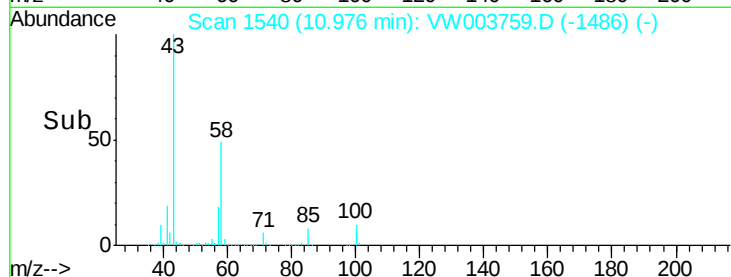
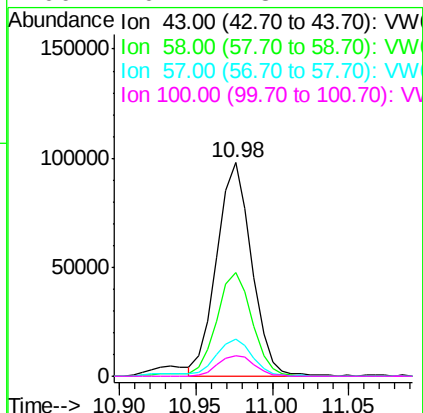
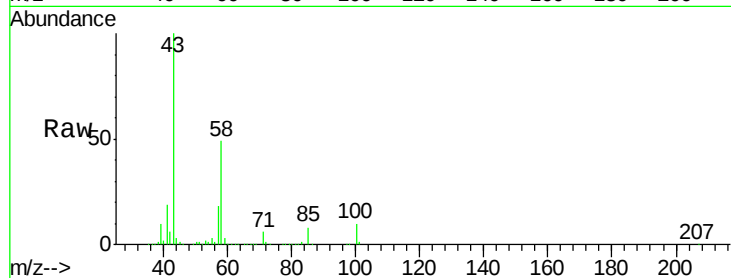




#49
2-Hexanone
Concen: 48.431 ug/L
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW003759.D
Acq: 07 Jul 2018 10:19

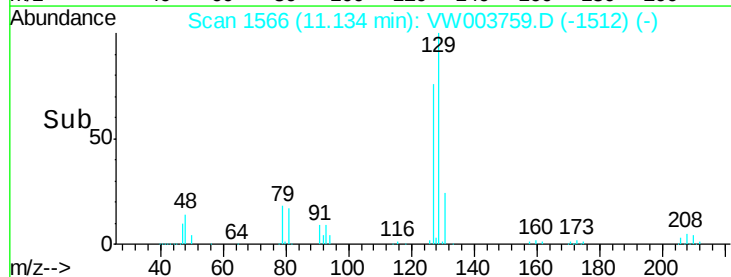
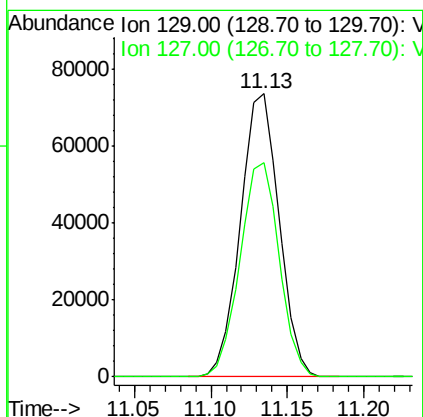
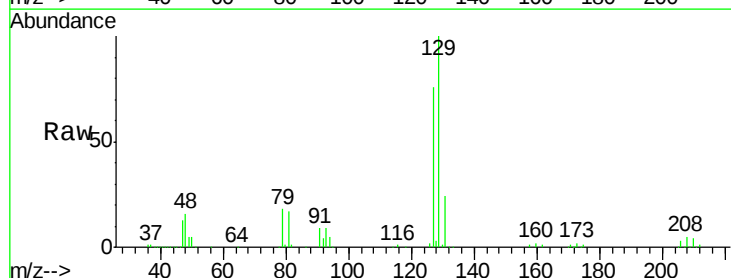
Instrument :
MSVOA_W
ClientSampleId :
VSTD02589

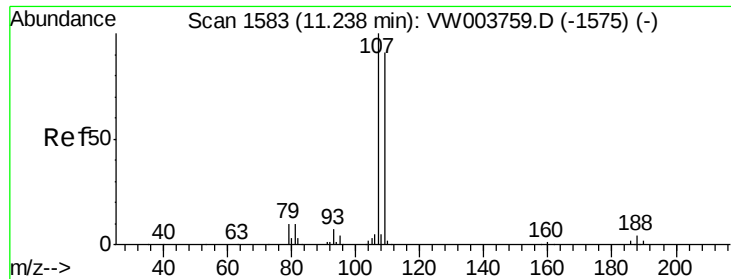
Tgt Ion:	43	Resp:	155245
Ion	Ratio	Lower	Upper
43	100		
58	49.4	39.5	59.3
57	17.3	13.8	20.8
100	10.2	8.2	12.2



#50
Dibromochloromethane
Concen: 24.656 ug/L
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW003759.D
Acq: 07 Jul 2018 10:19

Tgt Ion:	129	Resp:	129981
Ion	Ratio	Lower	Upper
129	100		
127	75.9	53.1	98.7

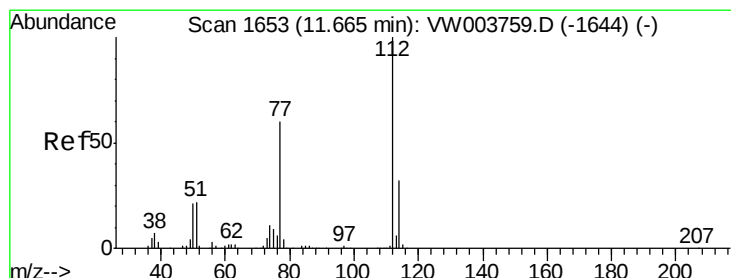
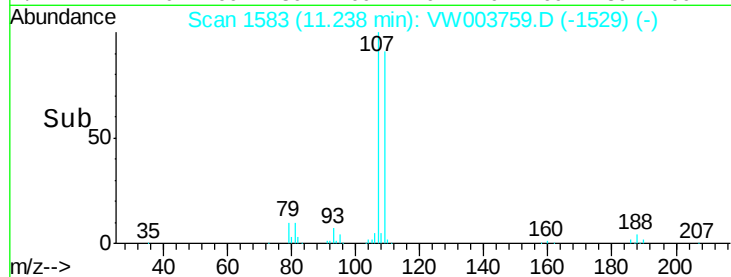
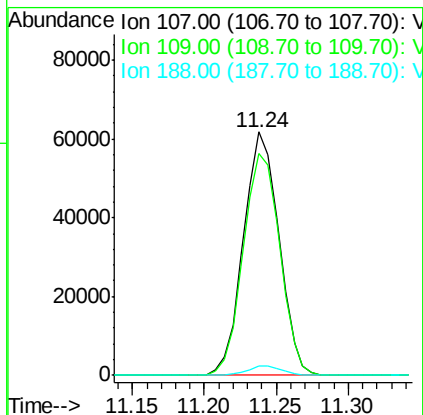
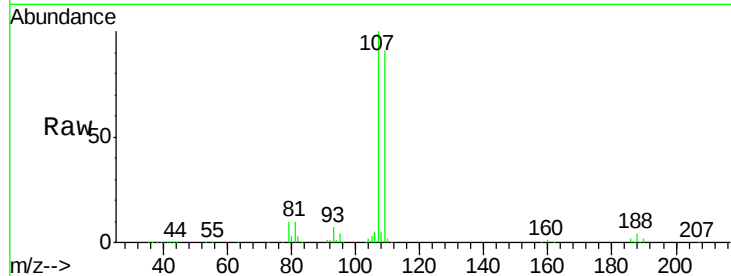




#51
1,2-Dibromoethane
Concen: 24.831 ug/L
RT: 11.24 min Scan# 1583
Delta R.T. 0.00 min
Lab File: VW003759.D
Acq: 07 Jul 2018 10:19

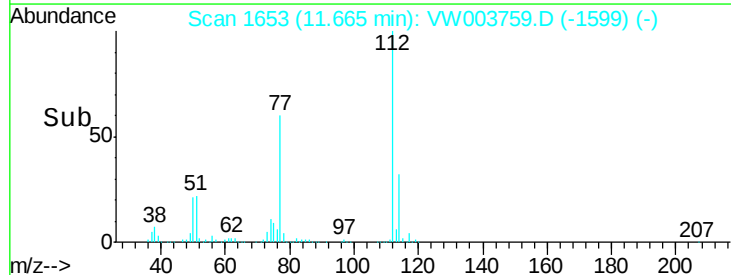
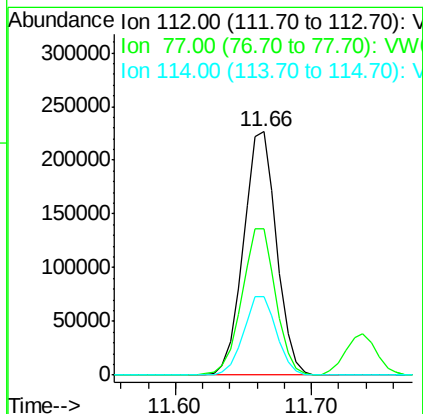
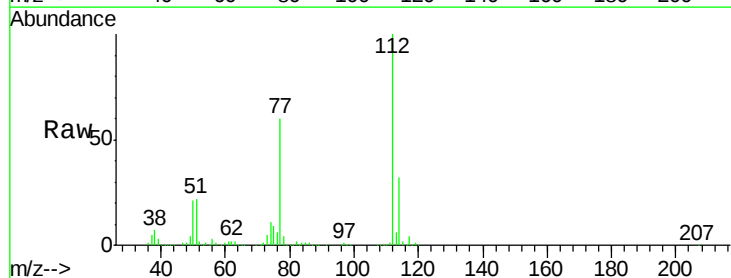
Instrument :
MSVOA_W
ClientSampleId :
VSTD02589

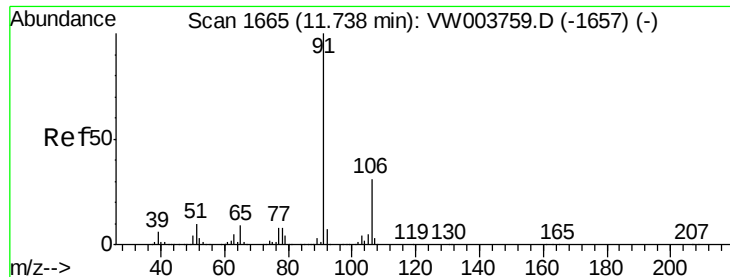
Tgt Ion:107 Resp: 105425
Ion Ratio Lower Upper
107 100
109 91.0 63.7 118.3
188 3.6 2.9 4.3



#52
Chlorobenzene
Concen: 24.990 ug/L
RT: 11.66 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VW003759.D
Acq: 07 Jul 2018 10:19

Tgt Ion:112 Resp: 384221
Ion Ratio Lower Upper
112 100
77 59.9 47.9 71.9
114 32.4 22.7 42.1





#53

Ethylbenzene

Concen: 26.232 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW003759.D

Acq: 07 Jul 2018 10:19

Instrument :

MSVOA_W

ClientSampleId :

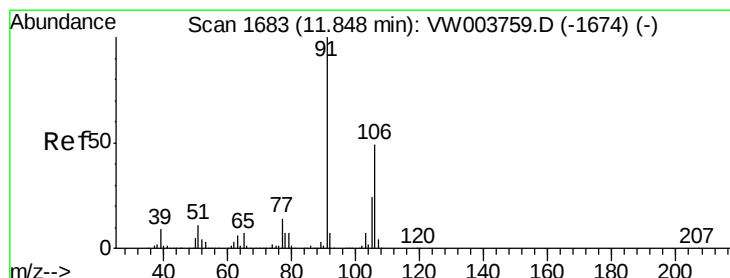
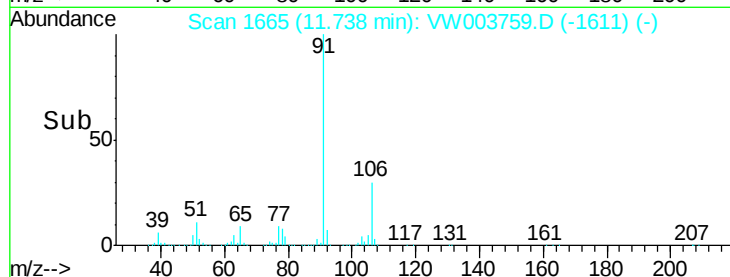
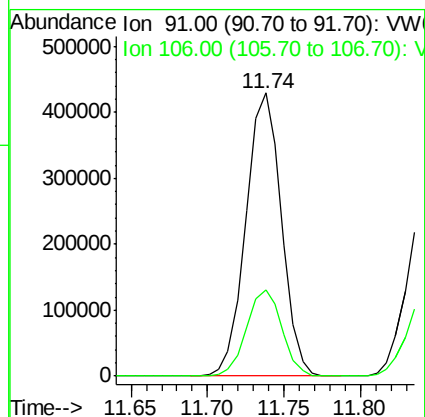
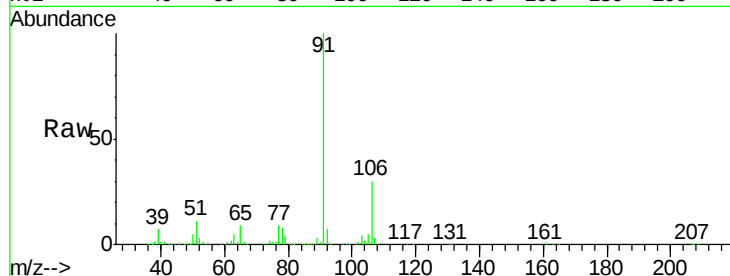
VSTD02589

Tgt Ion: 91 Resp: 692960

Ion Ratio Lower Upper

91 100

106 30.5 21.3 39.6



#54

m,p-Xylene

Concen: 26.677 ug/L

RT: 11.85 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW003759.D

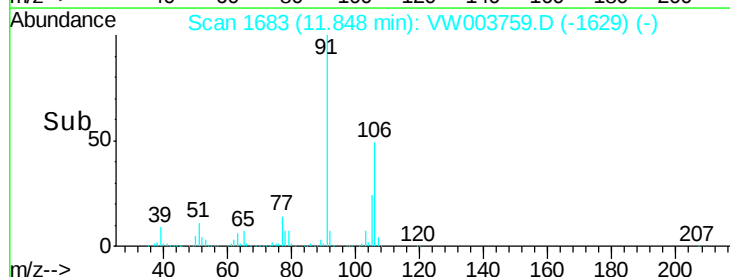
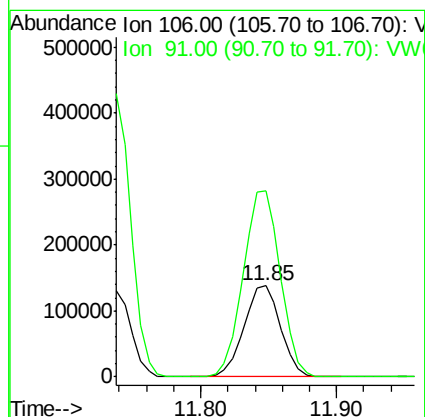
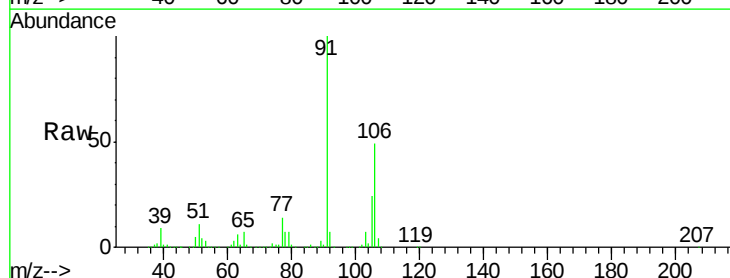
Acq: 07 Jul 2018 10:19

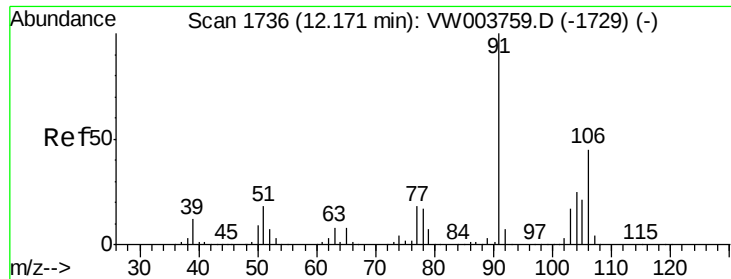
Tgt Ion: 106 Resp: 259494

Ion Ratio Lower Upper

106 100

91 204.1 142.9 265.3





#55

o-xylene

Concen: 26.659 ug/L

RT: 12.17 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VW003759.D

Acq: 07 Jul 2018 10:19

Instrument :

MSVOA_W

ClientSampleId :

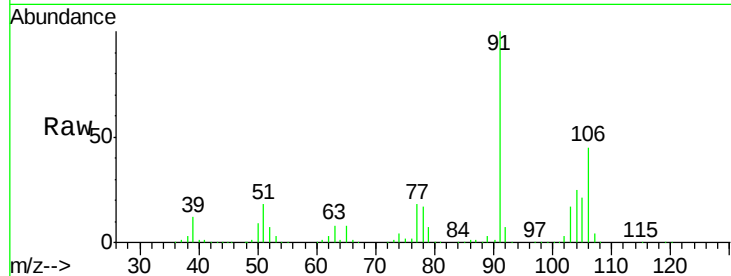
VSTD02589

Tgt Ion:106 Resp: 244869

Ion Ratio Lower Upper

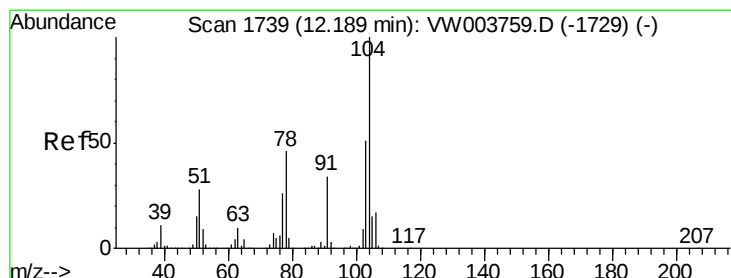
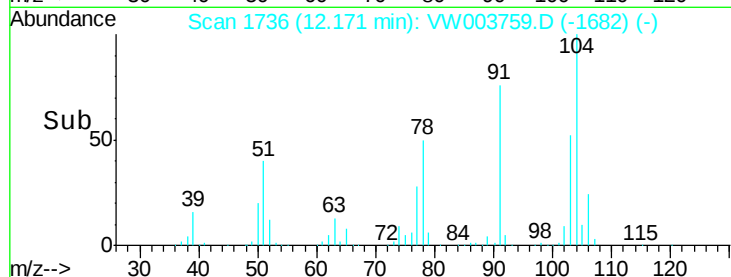
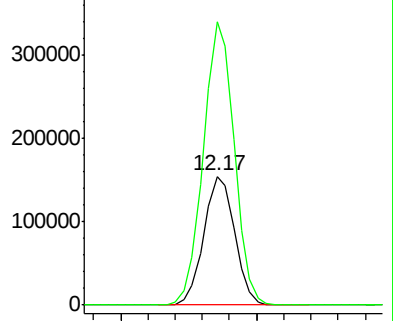
106 100

91 220.2 154.1 286.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 26.692 ug/L

RT: 12.19 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VW003759.D

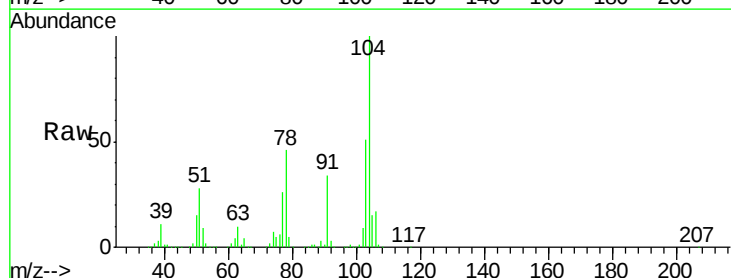
Acq: 07 Jul 2018 10:19

Tgt Ion:104 Resp: 428762

Ion Ratio Lower Upper

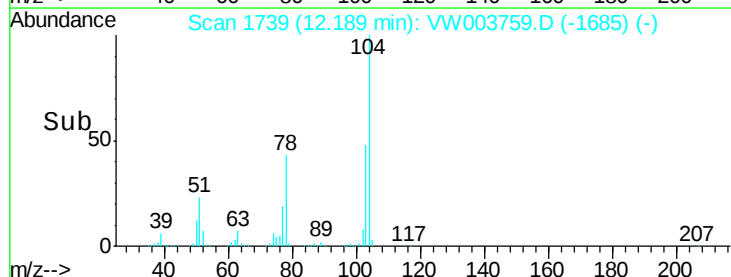
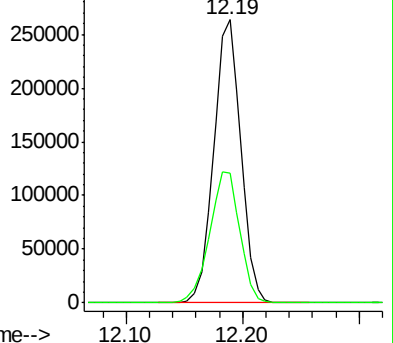
104 100

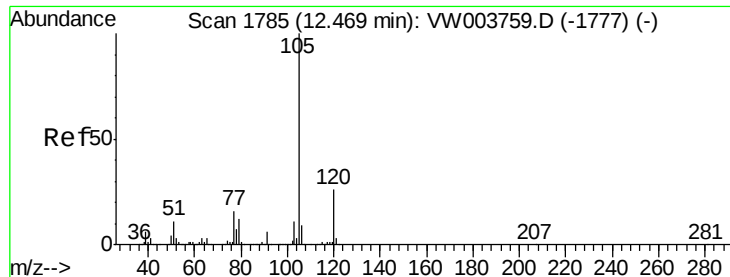
78 45.9 32.1 59.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 27.098 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW003759.D

Acq: 07 Jul 2018 10:19

Instrument :

MSVOA_W

ClientSampleId :

VSTD02589

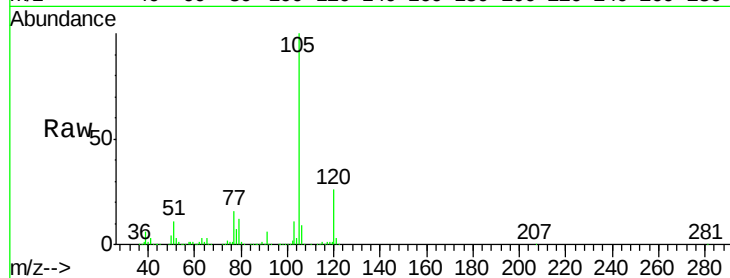
Tgt Ion: 105 Resp: 682739

Ion Ratio Lower Upper

105 100

120 26.1 20.9 31.3

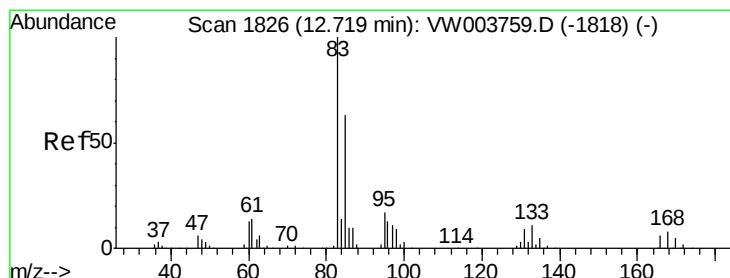
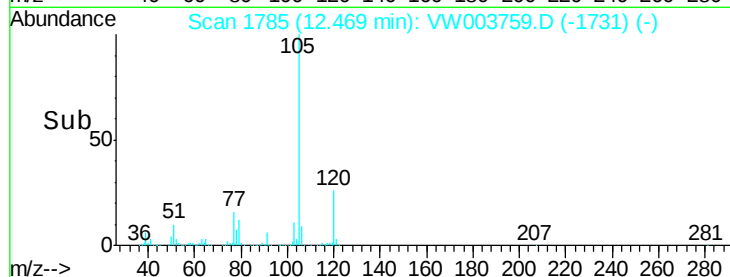
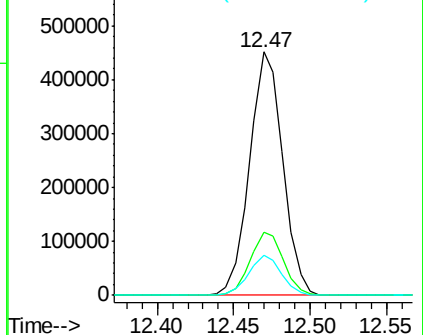
77 16.3 13.0 19.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 24.118 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW003759.D

Acq: 07 Jul 2018 10:19

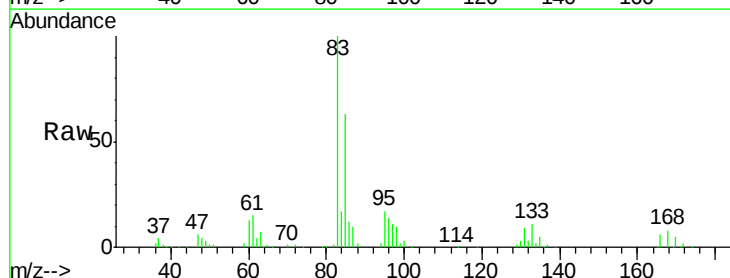
Tgt Ion: 83 Resp: 141112

Ion Ratio Lower Upper

83 100

85 63.1 44.2 82.0

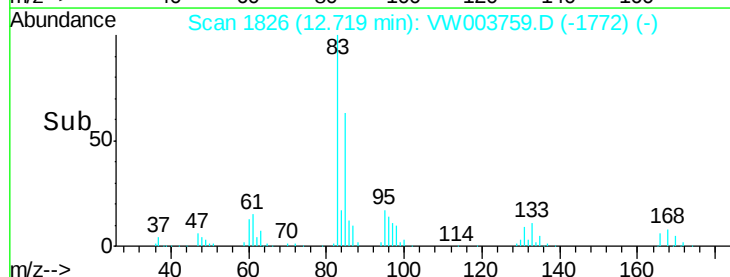
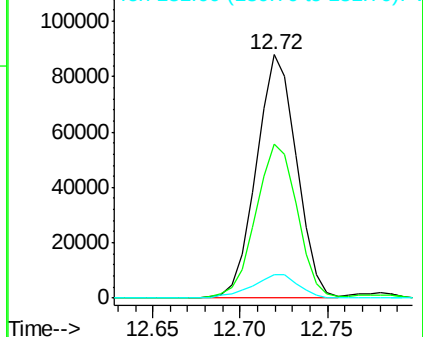
131 9.4 7.5 11.3

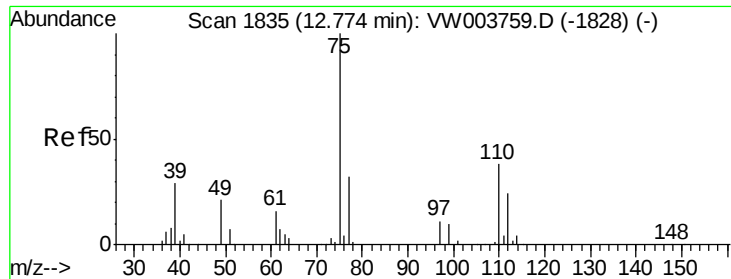


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 24.251 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW003759.D

Acq: 07 Jul 2018 10:19

Instrument :

MSVOA_W

ClientSampleId :

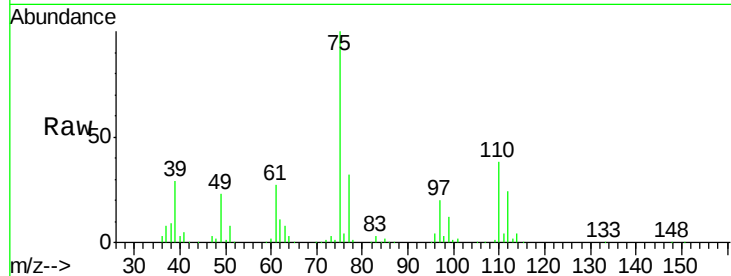
VSTD02589

Tgt Ion: 75 Resp: 105838

Ion Ratio Lower Upper

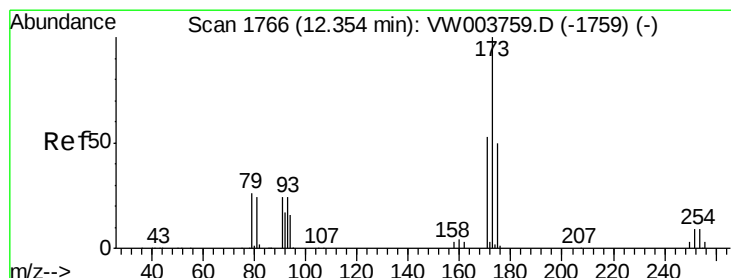
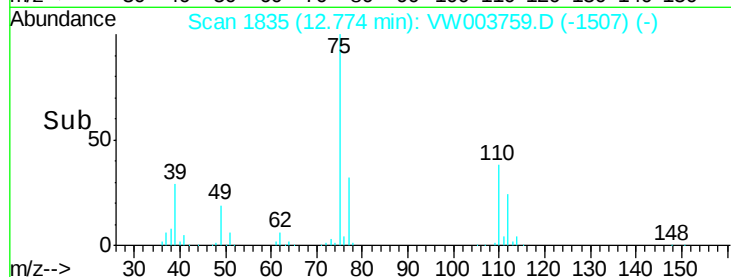
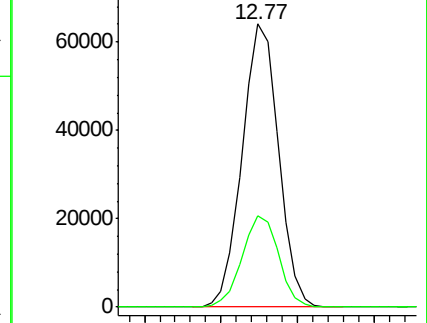
75 100

77 32.5 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#62

Bromoform

Concen: 23.684 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW003759.D

Acq: 07 Jul 2018 10:19

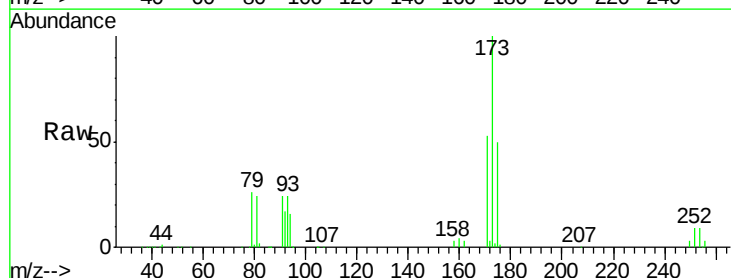
Tgt Ion: 173 Resp: 79106

Ion Ratio Lower Upper

173 100

175 48.4 38.7 58.1

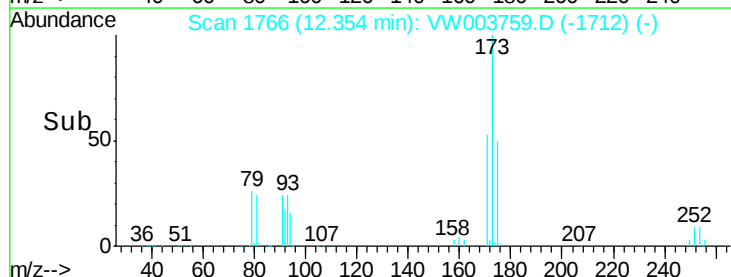
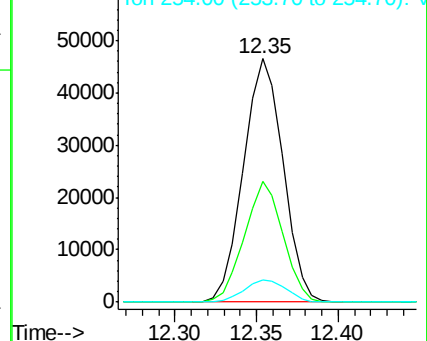
254 9.6 7.7 11.5

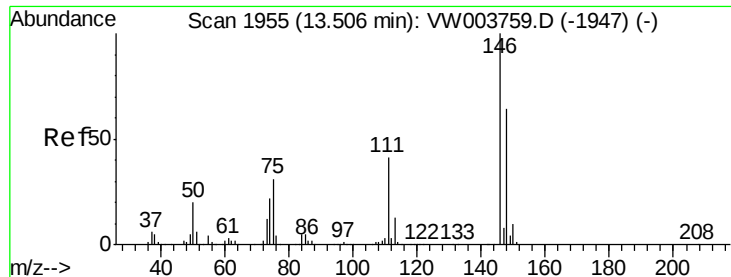


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V





#63

1,3-Dichlorobenzene

Concen: 25.099 ug/L

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW003759.D

Acq: 07 Jul 2018 10:19

Instrument :

MSVOA_W

ClientSampled :

VSTD02589

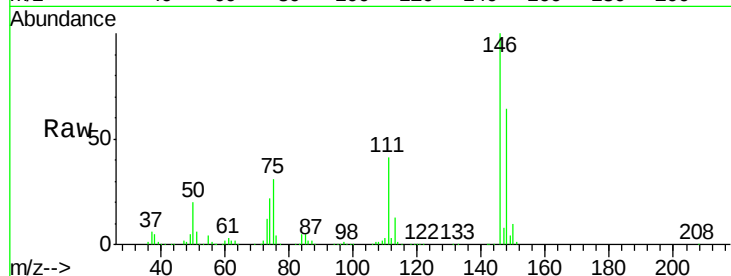
Tgt Ion:146 Resp: 295996

Ion Ratio Lower Upper

146 100

111 40.5 28.3 52.7

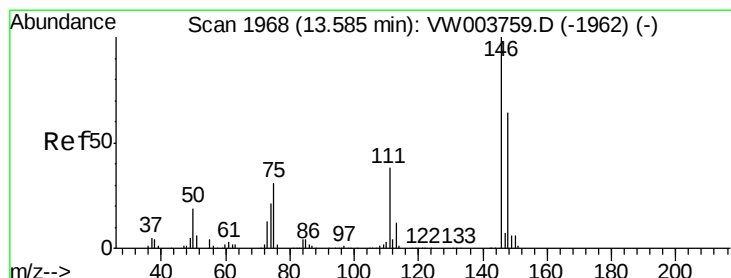
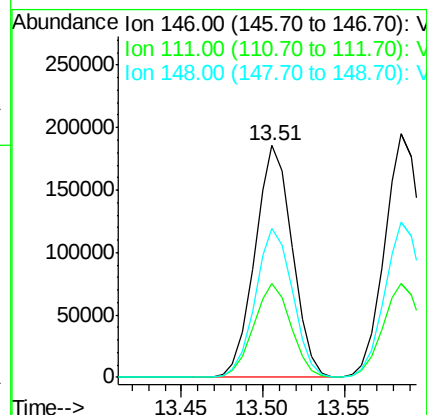
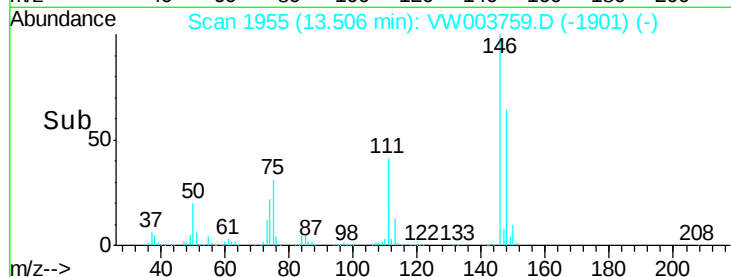
148 64.4 45.1 83.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#64

1,4-Dichlorobenzene

Concen: 24.350 ug/L

RT: 13.59 min Scan# 1968

Delta R.T. 0.00 min

Lab File: VW003759.D

Acq: 07 Jul 2018 10:19

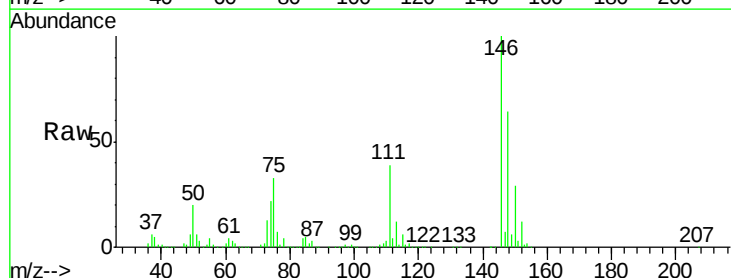
Tgt Ion:146 Resp: 310912

Ion Ratio Lower Upper

146 100

111 38.5 26.9 50.1

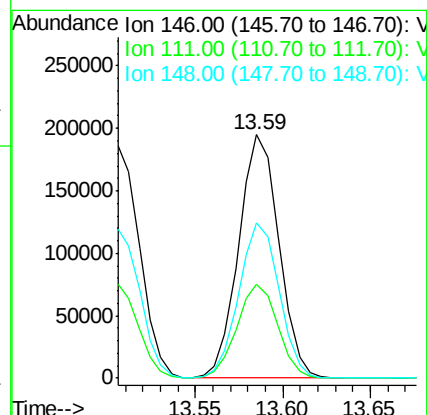
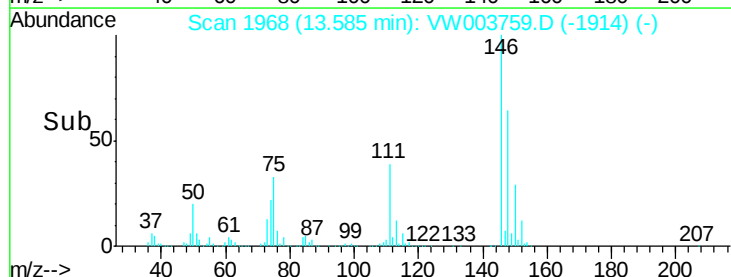
148 63.7 44.6 82.8

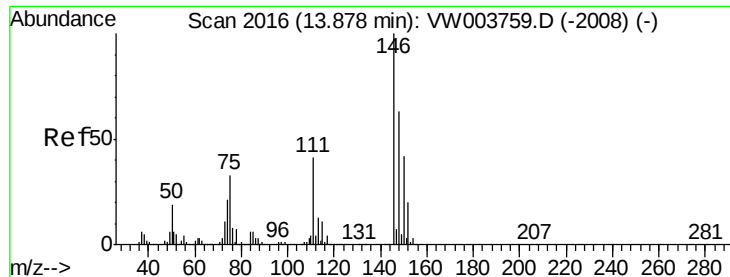


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

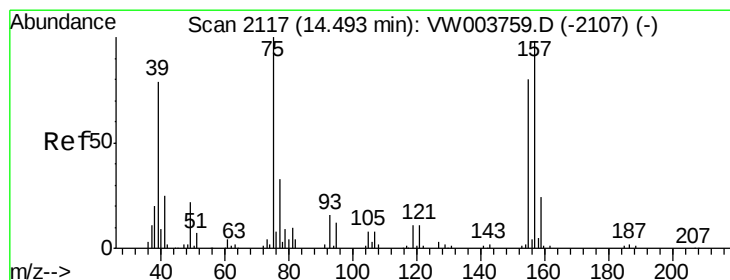
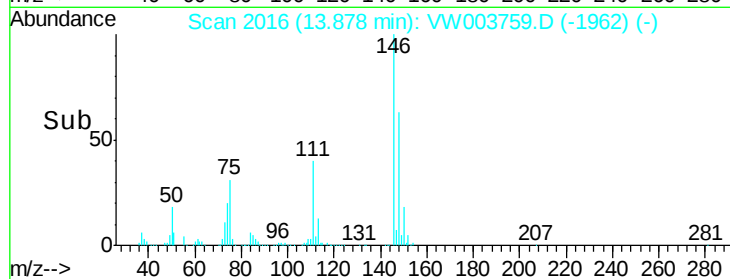
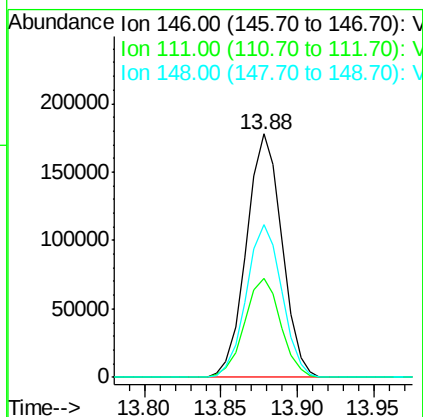
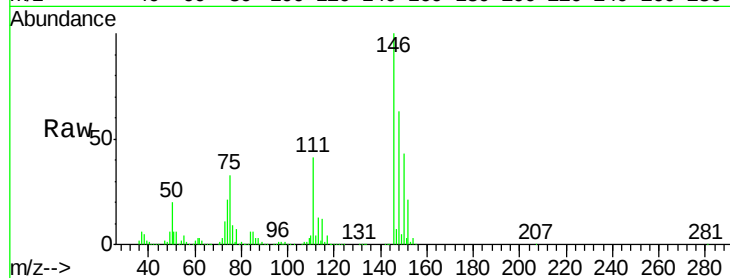




#65
 1,2-Dichlorobenzene
 Concen: 24.908 ug/L
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW003759.D
 Acq: 07 Jul 2018 10:19

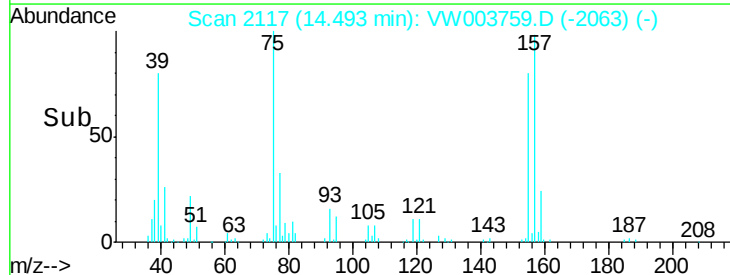
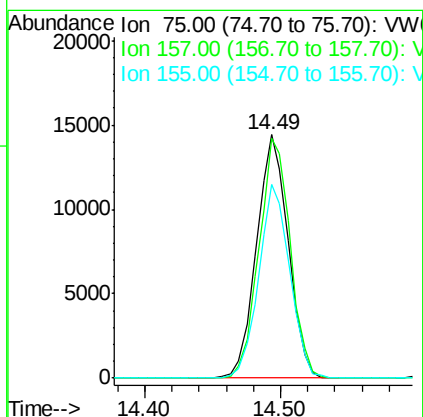
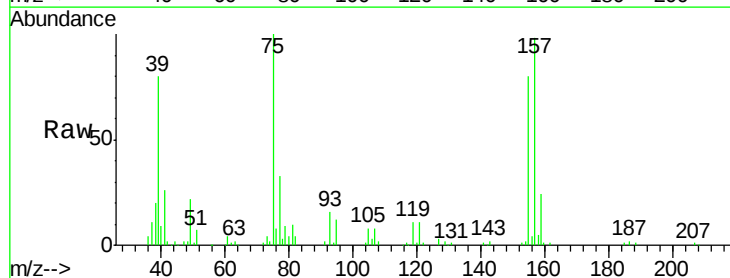
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02589

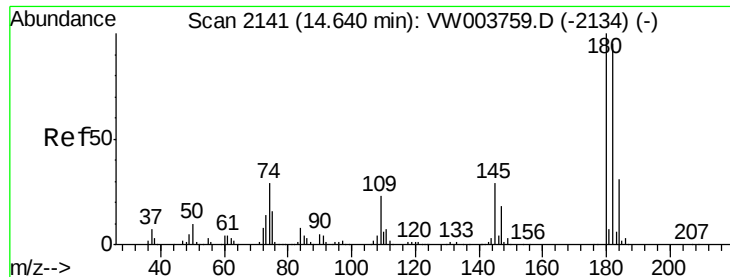
Tgt Ion:146 Resp: 287058
 Ion Ratio Lower Upper
 146 100
 111 40.7 32.6 48.8
 148 62.9 50.3 75.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 22.557 ug/L
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW003759.D
 Acq: 07 Jul 2018 10:19

Tgt Ion: 75 Resp: 23507
 Ion Ratio Lower Upper
 75 100
 157 98.3 78.6 118.0
 155 79.6 63.7 95.5

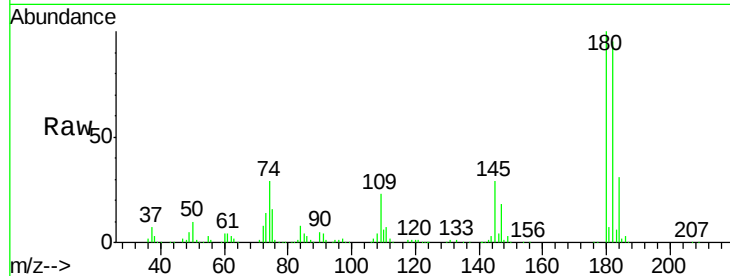




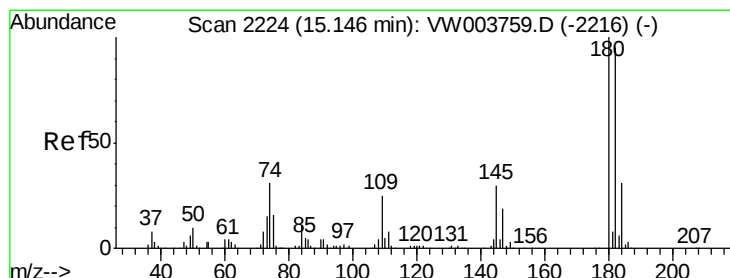
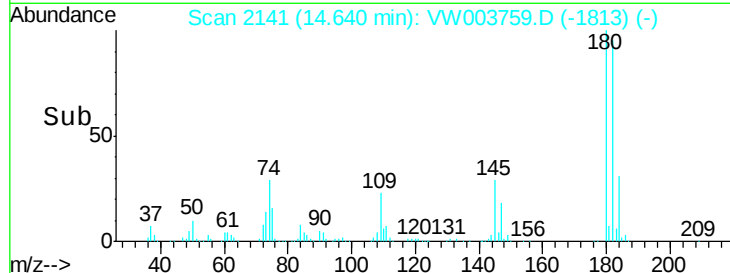
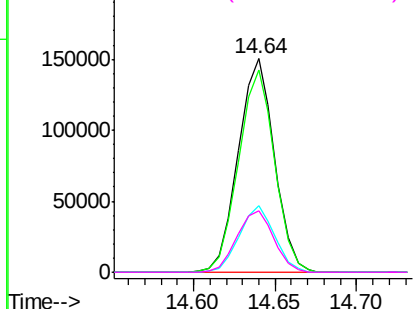
#67
 1,3,5-Trichlorobenzene
 Concen: 24.934 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VW003759.D
 Acq: 07 Jul 2018 10:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02589

Tgt Ion:180 Resp: 231706
 Ion Ratio Lower Upper
 180 100
 182 94.6 75.7 113.5
 184 30.5 24.4 36.6
 145 29.4 23.5 35.3

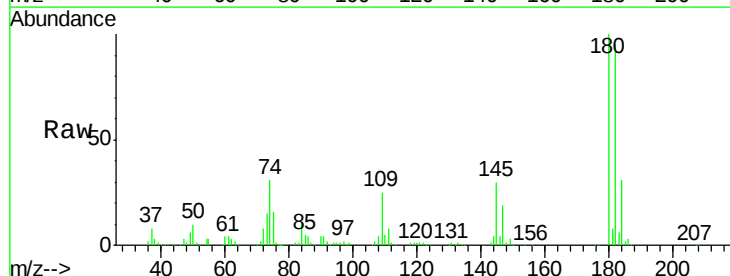


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

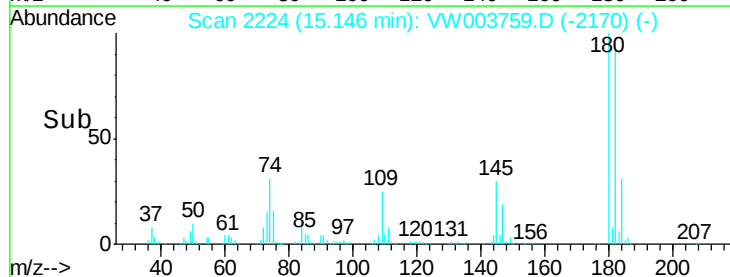
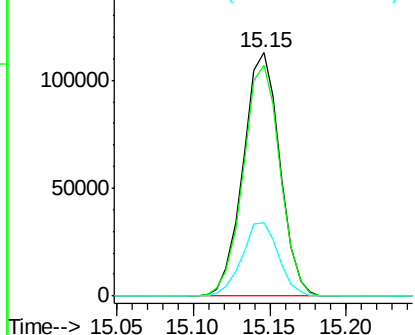


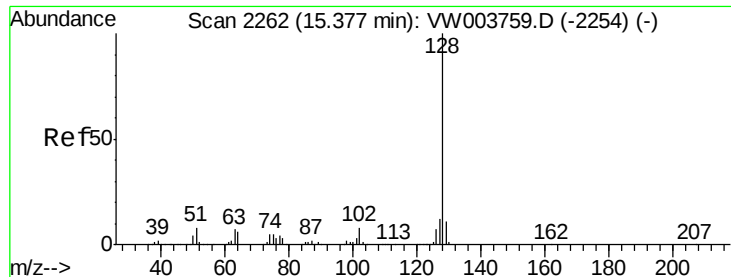
#68
 1,2,4-trichlorobenzene
 Concen: 25.117 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW003759.D
 Acq: 07 Jul 2018 10:19

Tgt Ion:180 Resp: 187460
 Ion Ratio Lower Upper
 180 100
 182 95.5 76.4 114.6
 145 30.2 24.2 36.2



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





#69

Naphthalene

Concen: 25.969 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW003759.D

Acq: 07 Jul 2018 10:19

Instrument :

MSVOA_W

ClientSampleId :

VSTD02589

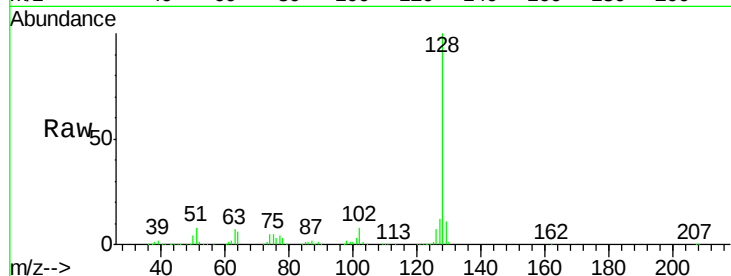
Tgt Ion:128 Resp: 387979

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

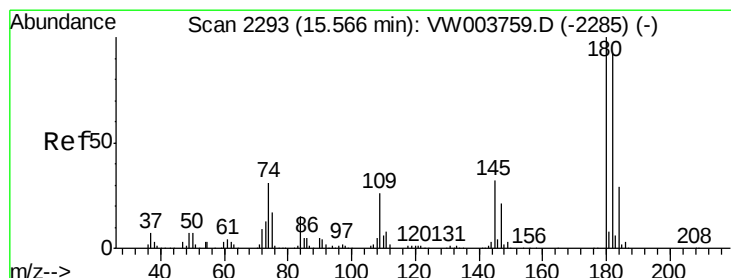
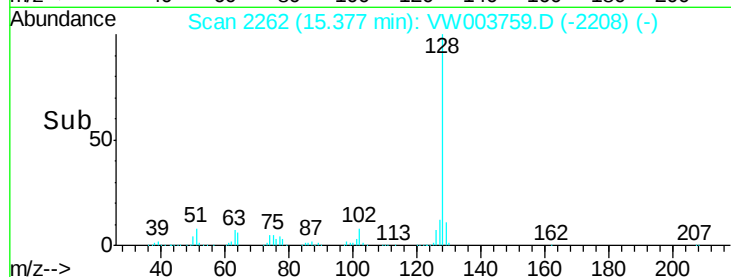
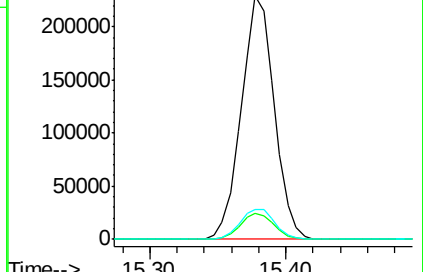
127 13.3 10.6 16.0



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: 25.002 ug/L

RT: 15.57 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VW003759.D

Acq: 07 Jul 2018 10:19

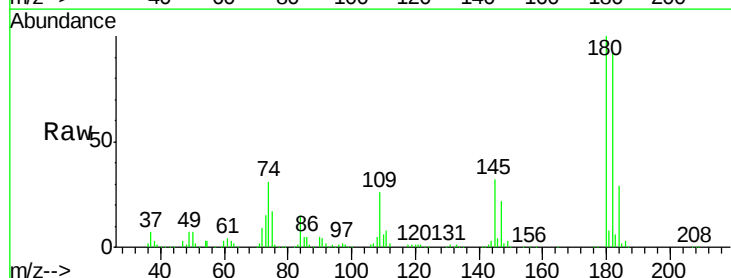
Tgt Ion:180 Resp: 176283

Ion Ratio Lower Upper

180 100

182 94.7 75.8 113.6

145 31.6 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

