

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080718\
 Data File : VW004503.D
 Acq On : 07 Aug 2018 20:20
 Operator : SY/AP
 Sample : VW0807SBS01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0808SBS01

Quant Time: Aug 08 07:40:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM080218S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 08 05:39:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	1152571	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	1099185	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	590346	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.51	65	162	0.01	ug/L	0.15
Spiked Amount	25.000	Range	30 - 150	Recovery	=	0.04%#
7) Chloroethane-d5	2.67	69	228	0.02	ug/L	-0.22
Spiked Amount	25.000	Range	30 - 150	Recovery	=	0.08%#
10) 1,1-Dichloroethene-d2	4.04	63	83833	2.88	ug/L	0.02
Spiked Amount	25.000	Range	45 - 110	Recovery	=	11.52%#
20) 2-Butanone-d5	7.27	46	542	0.09	ug/L	0.18
Spiked Amount	50.000	Range	20 - 135	Recovery	=	0.18%#
24) Chloroform-d	7.68	84	13044	0.42	ug/L	0.03
Spiked Amount	25.000	Range	40 - 150	Recovery	=	1.68%#
26) 1,2-Dichloroethane-d4	8.31	65	392459	22.56	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.24%
29) Benzene-d6	8.23	84	47	0.00	ug/L	-0.05
Spiked Amount	25.000	Range	20 - 135	Recovery	=	0.00%#
33) 1,2-Dichloropropane-d6	9.28	67	159	0.01	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	0.04%#
37) Toluene-d8	10.33	98	1465160	28.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	113.68%
38) trans-1,3-Dichloropropene-	10.59	79	172	0.02	ug/L	0.01
Spiked Amount	25.000	Range	30 - 135	Recovery	=	0.08%#
39) 2-Hexanone-d5	10.94	63	26164	5.62	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	11.24%#
48) 1,1,2,2-Tetrachloroethane-	12.72	84	2969	0.14	ug/L	0.02
Spiked Amount	25.000	Range	45 - 120	Recovery	=	0.56%#
61) 1,2-Dichlorobenzene-d4	13.64	152	75	0.00	ug/L	-0.22
Spiked Amount	25.000	Range	75 - 120	Recovery	=	0.00%#

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	89573	7.475	ug/L 100
3) Chloromethane	2.21	50	127134	8.032	ug/L 97
5) Vinyl chloride	2.37	62	199875	9.677	ug/L 94
6) Bromomethane	2.78	94	116004	9.711	ug/L 100
8) Chloroethane	2.93	64	119662	9.657	ug/L 99
9) Trichlorofluoromethane	3.25	101	73274	7.778	ug/L 97
11) 1,1,2-Trichloro-1,2,2-trif	4.05	101	157916	9.654	ug/L 95
12) 1,1-Dichloroethene	4.03	96	157612	9.862	ug/L # 75
13) Acetone	4.14	43	193103	35.261	ug/L 99
14) Carbon disulfide	4.38	76	518461	10.576	ug/L 100
15) Methyl Acetate	4.67	43	90643	8.121	ug/L 99
16) Methylene chloride	4.91	84	269394	11.768	ug/L 97
17) Methyl tert-butyl Ether	5.43	73	209160	9.669	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	171050	10.466	ug/L 94
19) 1,1-Dichloroethane	6.21	63	319369	10.298	ug/L 98
21) 2-Butanone	7.19	43	296526	39.558	ug/L 99
22) cis-1,2-Dichloroethene	7.17	96	182956	10.256	ug/L 91

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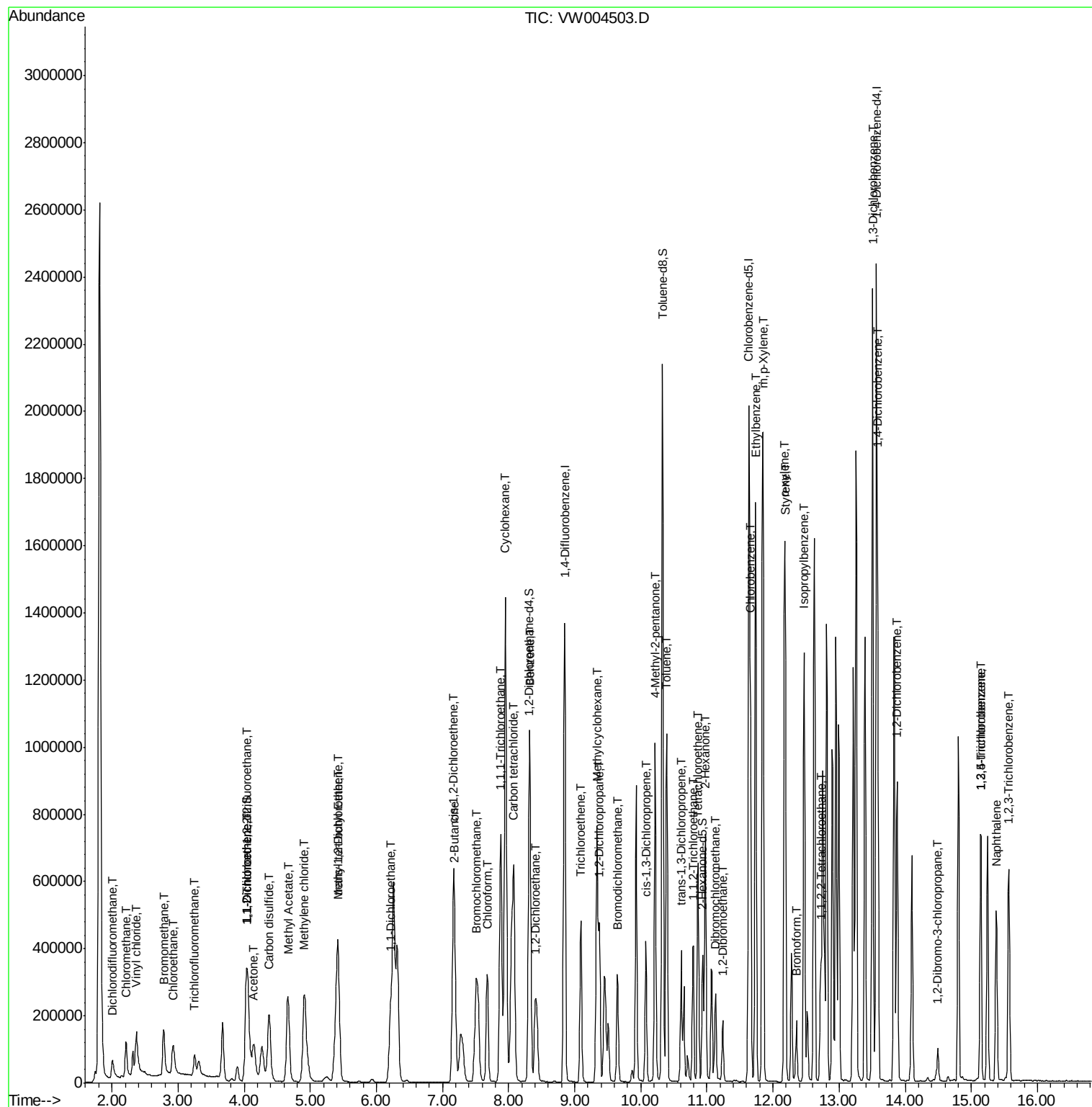
23) Bromochloromethane	7.51	128	78736	9.222	ug/L	98
25) Chloroform	7.68	83	314446	9.933	ug/L	99
27) 1,2-Dichloroethane	8.40	62	199128	9.363	ug/L	100
30) Cyclohexane	7.95	56	296888	11.421	ug/L #	92
31) 1,1,1-Trichloroethane	7.87	97	231790	9.925	ug/L	99
32) Carbon tetrachloride	8.07	117	220921	9.816	ug/L	99
34) Benzene	8.32	78	724445	10.690	ug/L	100
35) Trichloroethene	9.09	95	175659	10.305	ug/L	99
36) Methylcyclohexane	9.34	83	288467	9.640	ug/L	97
40) 1,2-Dichloropropane	9.37	63	182910	10.191	ug/L	99
41) Bromodichloromethane	9.65	83	215257	9.984	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	249110	10.146	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	666143	49.498	ug/L	100
44) Toluene	10.39	91	756064	11.086	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	208143	9.431	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	130163	9.328	ug/L	98
47) Tetrachloroethene	10.87	164	151837	11.258	ug/L	99
49) 2-Hexanone	10.98	43	444719	43.973	ug/L	100
50) Dibromochloromethane	11.13	129	141326	9.130	ug/L	99
51) 1,2-Dibromoethane	11.24	107	122949	9.192	ug/L #	99
52) Chlorobenzene	11.66	112	477670	10.357	ug/L	97
53) Ethylbenzene	11.74	91	803961	10.491	ug/L	100
54) m,p-Xylene	11.84	106	635866	22.239	ug/L	98
55) o-xylene	12.17	106	285070	10.522	ug/L	99
56) Styrene	12.19	104	495710	10.500	ug/L	97
57) Isopropylbenzene	12.47	105	787847	10.743	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	163127	8.055	ug/L	97
62) Bromoform	12.35	173	85767	7.994	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	399586	10.878	ug/L	98
64) 1,4-Dichlorobenzene	13.59	146	397895	10.079	ug/L	99
65) 1,2-Dichlorobenzene	13.88	146	363357	9.872	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	24308	6.429	ug/L	94
67) 1,3,5-Trichlorobenzene	15.15	180	246385	8.461	ug/L	98
68) 1,2,4-trichlorobenzene	15.15	180	246385	10.458	ug/L	99
69) Naphthalene	15.38	128	435987	8.115	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	222198	9.685	ug/L	99

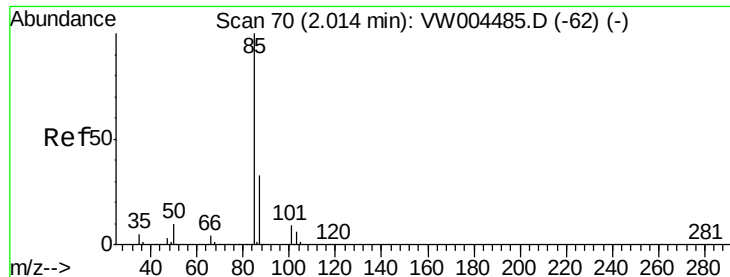
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 7.475 ug/L

RT: 2.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VW004503.D

Acq: 07 Aug 2018 20:20

Instrument :

MSVOA_W

ClientSampleId :

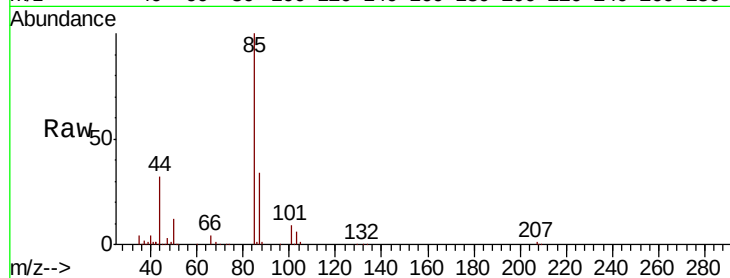
VW0808SBS01

Tgt Ion: 85 Resp: 89573

Ion Ratio Lower Upper

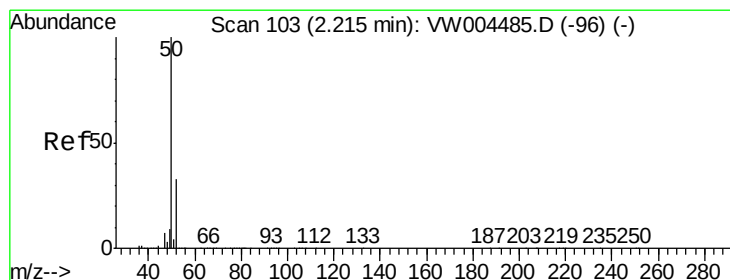
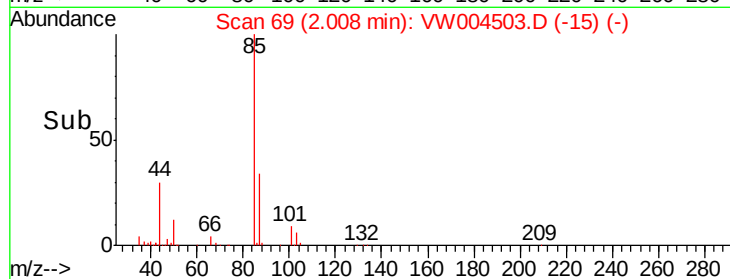
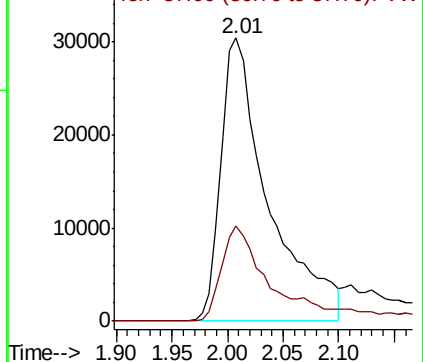
85 100

87 28.5 20.2 37.4



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 8.032 ug/L

RT: 2.21 min Scan# 102

Delta R.T. -0.01 min

Lab File: VW004503.D

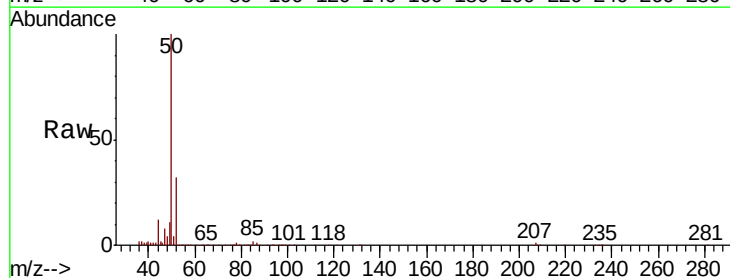
Acq: 07 Aug 2018 20:20

Tgt Ion: 50 Resp: 127134

Ion Ratio Lower Upper

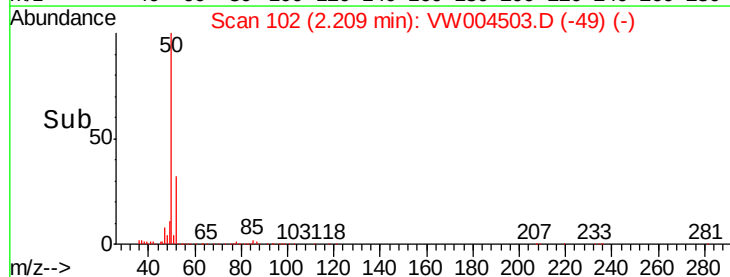
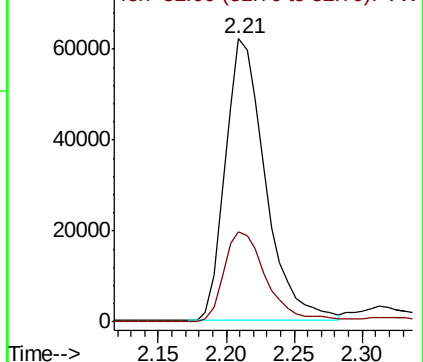
50 100

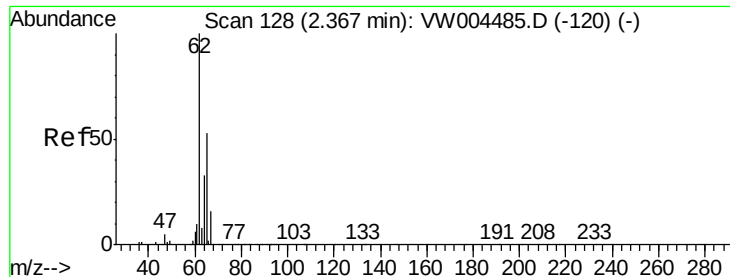
52 32.0 23.4 43.6



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 9.677 ug/L

RT: 2.37 min Scan# 128

Delta R.T. -0.00 min

Lab File: VW004503.D

Acq: 07 Aug 2018 20:20

Instrument :

MSVOA_W

ClientSampleId :

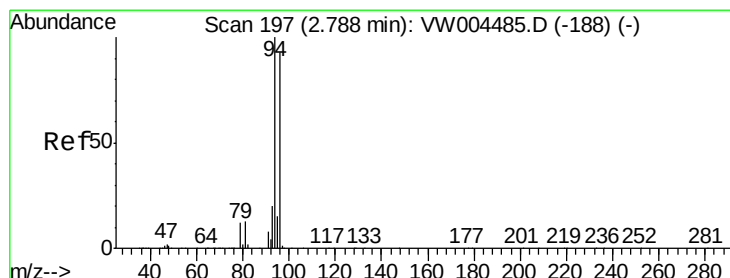
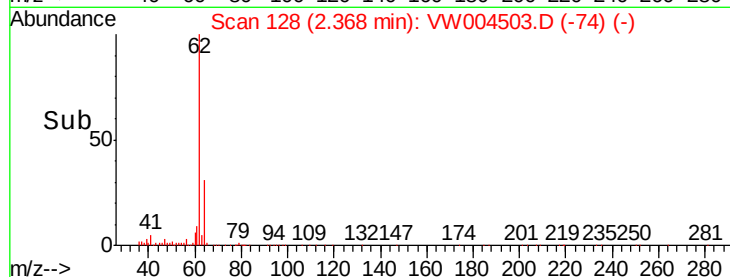
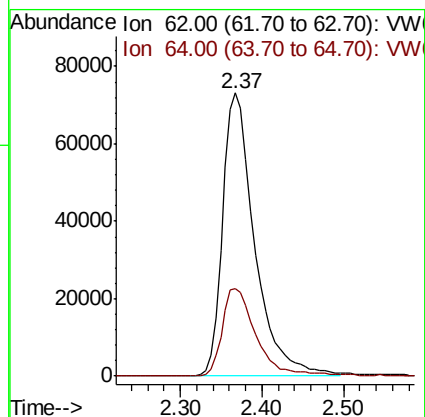
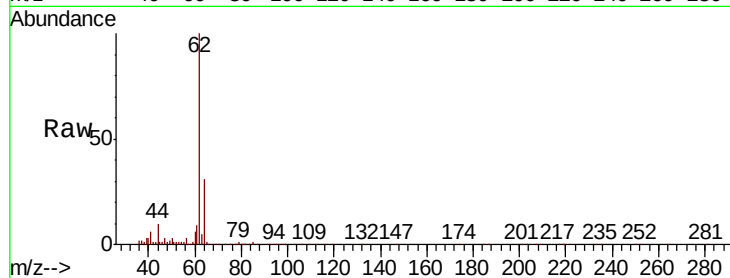
VW0808SBS01

Tgt Ion: 62 Resp: 199875

Ion Ratio Lower Upper

62 100

64 30.7 24.0 44.6



#6

Bromomethane

Concen: 9.711 ug/L

RT: 2.78 min Scan# 196

Delta R.T. 0.00 min

Lab File: VW004503.D

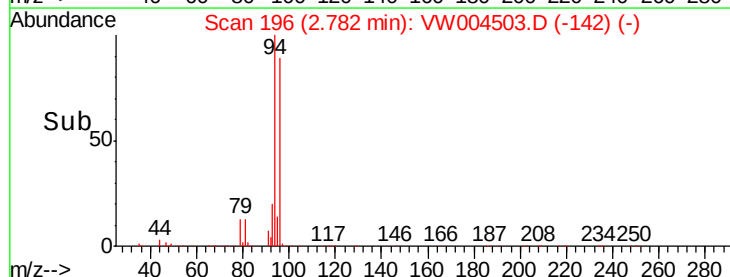
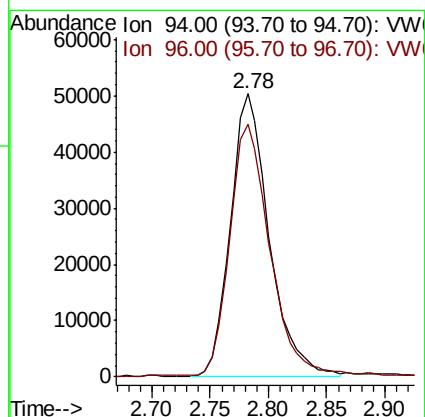
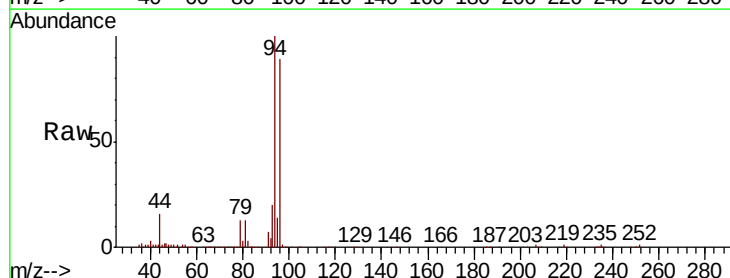
Acq: 07 Aug 2018 20:20

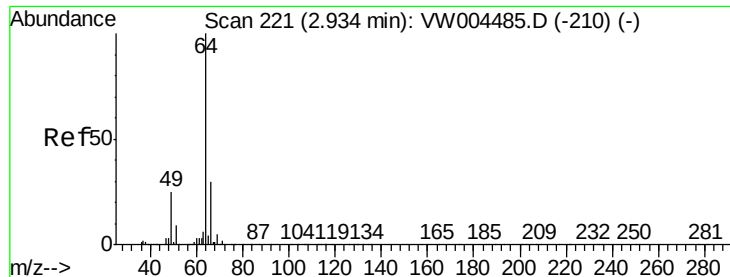
Tgt Ion: 94 Resp: 116004

Ion Ratio Lower Upper

94 100

96 92.3 9.2 175.2





#8

Chloroethane

Concen: 9.657 ug/L

RT: 2.93 min Scan# 220

Delta R.T. 0.01 min

Lab File: VW004503.D

Acq: 07 Aug 2018 20:20

Instrument :

MSVOA_W

ClientSampleId :

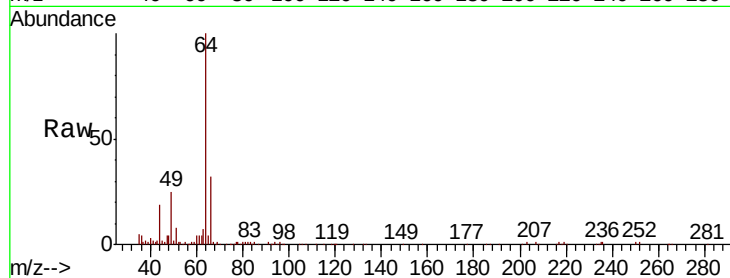
VW0808SBS01

Tgt Ion: 64 Resp: 119662

Ion Ratio Lower Upper

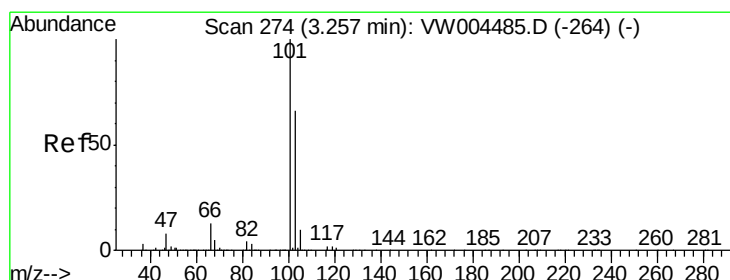
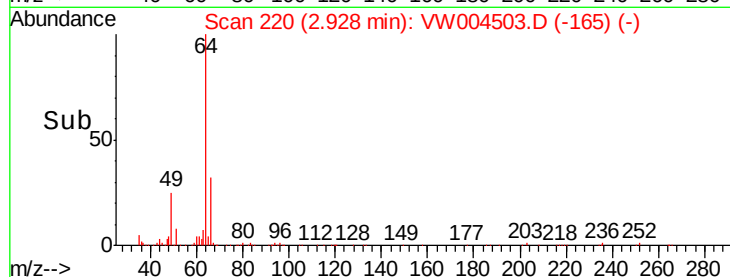
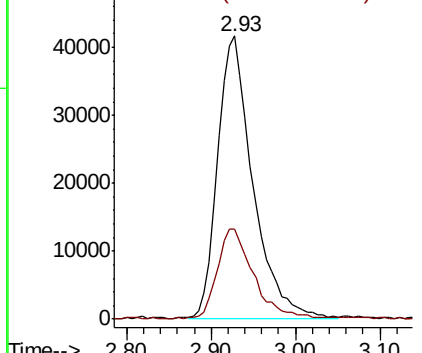
64 100

66 31.8 22.8 42.4



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW



#9

Trichlorofluoromethane

Concen: 7.778 ug/L

RT: 3.25 min Scan# 273

Delta R.T. -0.00 min

Lab File: VW004503.D

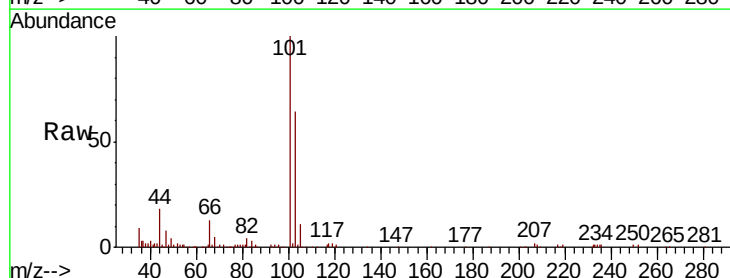
Acq: 07 Aug 2018 20:20

Tgt Ion: 101 Resp: 73274

Ion Ratio Lower Upper

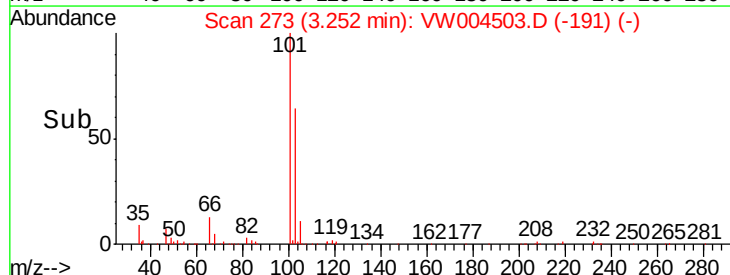
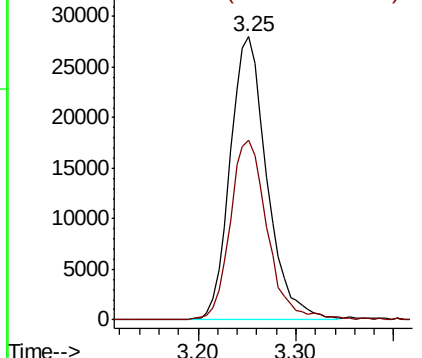
101 100

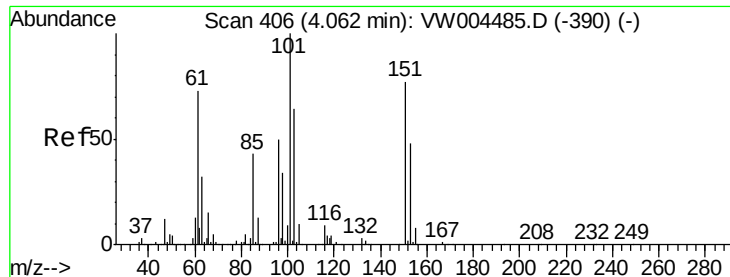
103 62.6 45.3 84.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#11

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

Concen: 9.654 ug/L

RT: 4.05 min Scan# 404

Delta R.T. -0.01 min

Lab File: VW004503.D

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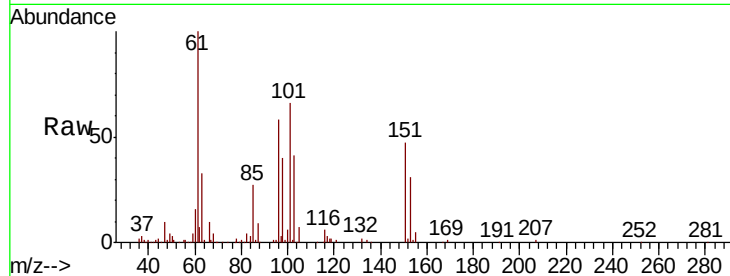
Tgt Ion: 101 Resp: 157916

Ion Ratio Lower Upper

101 100

85 43.1 35.6 53.4

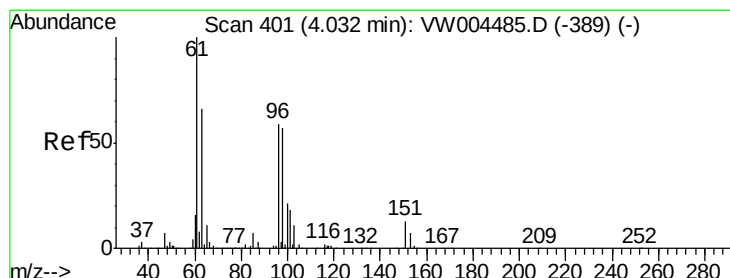
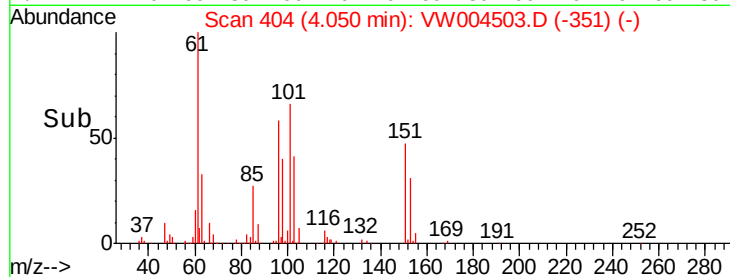
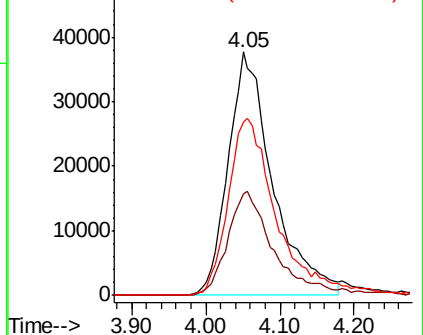
151 73.1 62.6 94.0



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: 9.862 ug/L

RT: 4.03 min Scan# 401

Delta R.T. 0.01 min

Lab File: VW004503.D

Acq: 07 Aug 2018 20:20

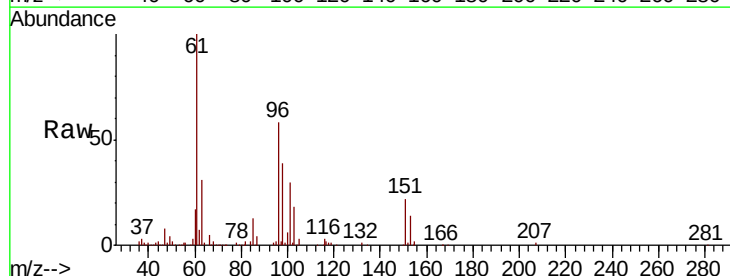
Tgt Ion: 96 Resp: 157612

Ion Ratio Lower Upper

96 100

61 171.1 115.9 215.3

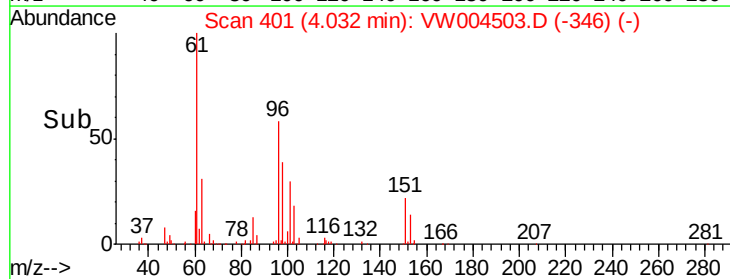
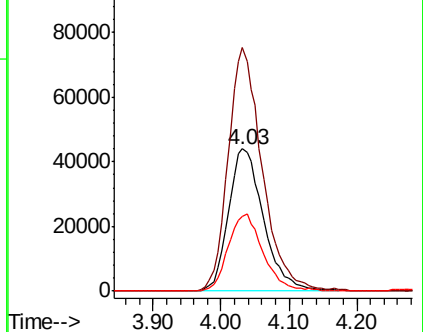
63 52.3 78.0 144.9#

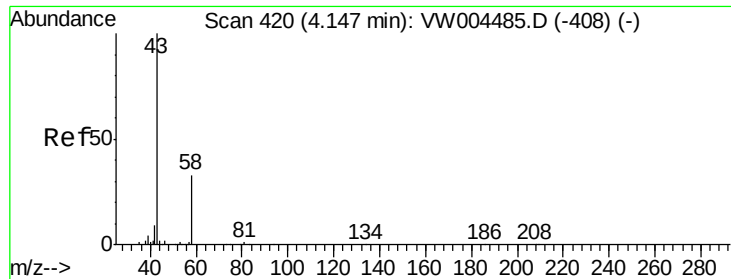


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 35.261 ug/L

RT: 4.14 min Scan# 419

Delta R.T. -0.00 min

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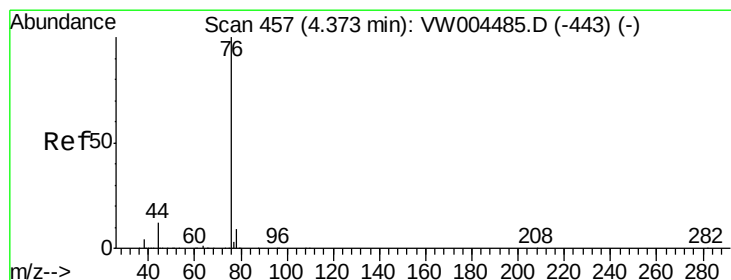
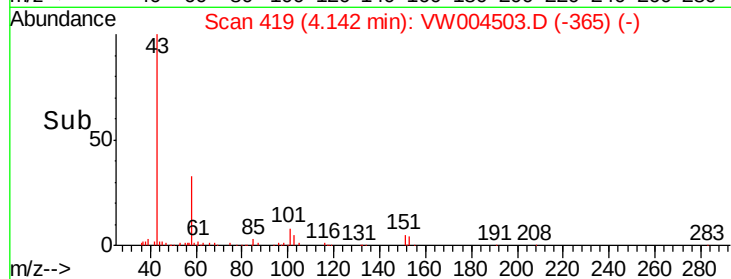
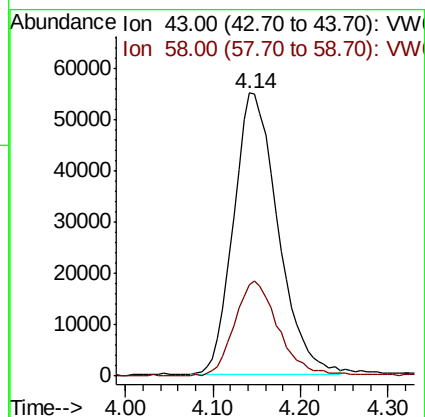
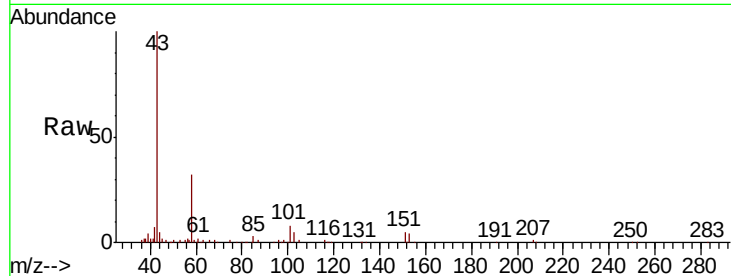
VW0808SBS01

Tgt Ion: 43 Resp: 193103

Ion Ratio Lower Upper

43 100

58 32.4 0.0 66.4



#14

Carbon disulfide

Concen: 10.576 ug/L

RT: 4.38 min Scan# 458

Delta R.T. 0.01 min

Lab File: VW004503.D

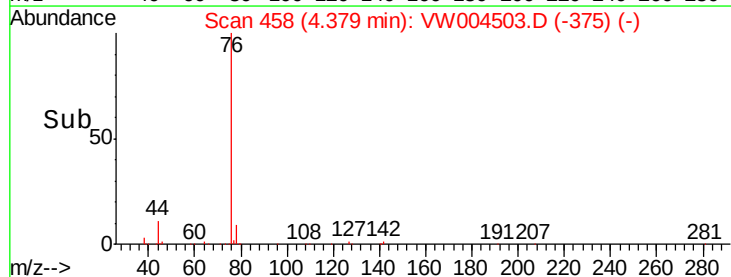
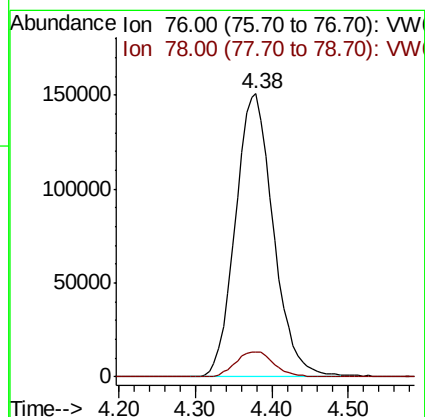
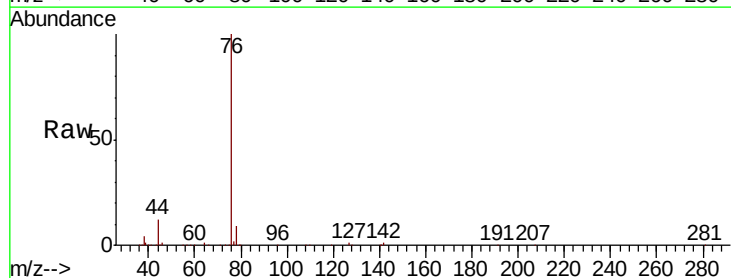
Acq: 07 Aug 2018 20:20

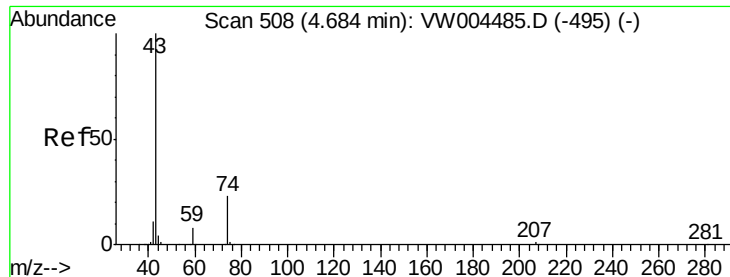
Tgt Ion: 76 Resp: 518461

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8

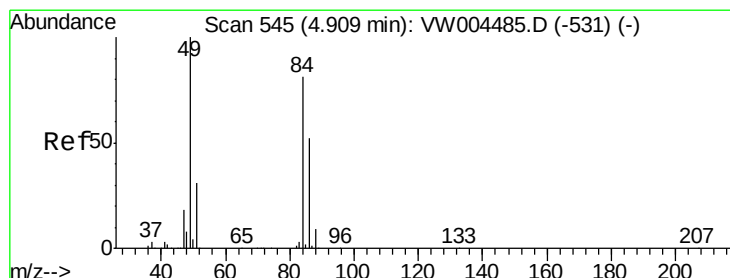
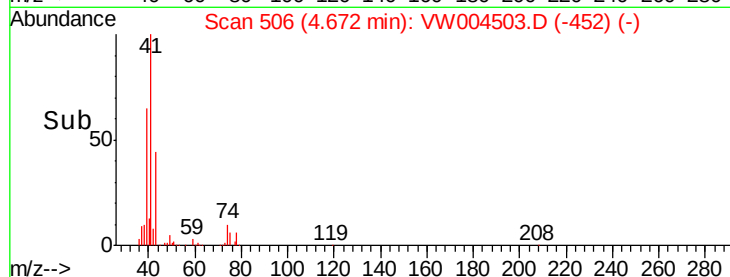
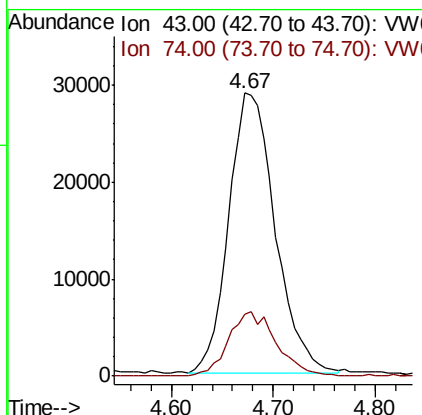
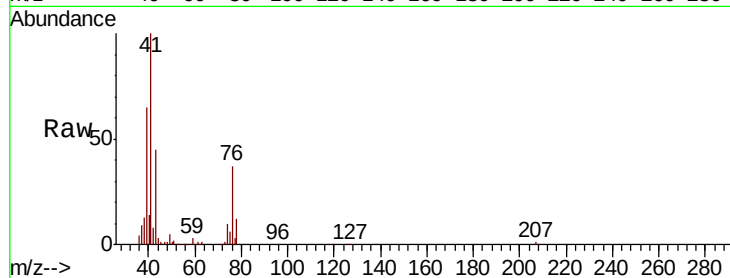




#15
Methyl Acetate
Concen: 8.121 ug/L
RT: 4.67 min Scan# 506
Delta R.T. -0.00 min
Lab File: VW004503.D
Acq: 07 Aug 2018 20:20

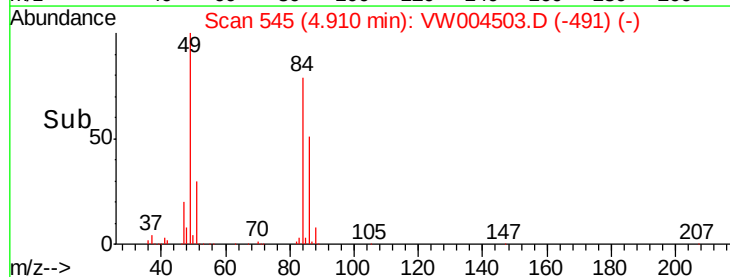
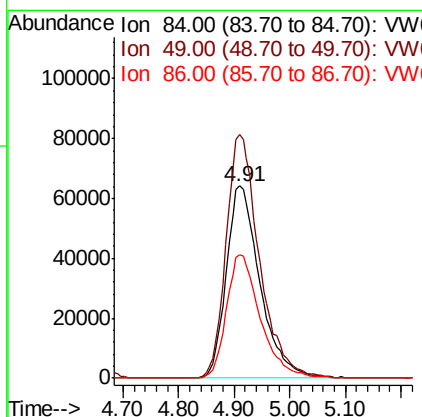
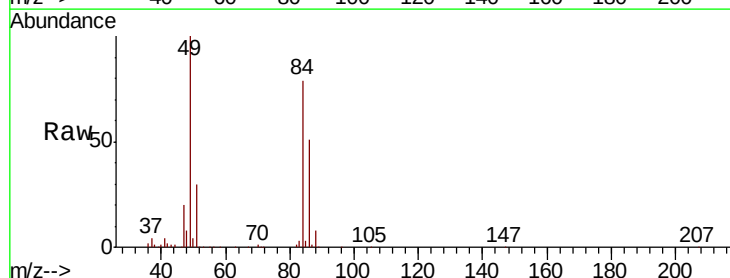
Instrument :
MSVOA_W
ClientSampleId :
VW0808SBS01

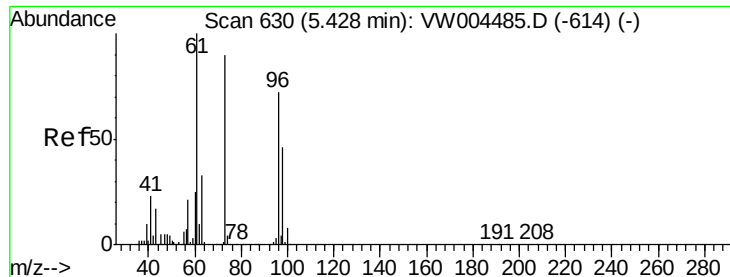
Tgt Ion: 43 Resp: 90643
Ion Ratio Lower Upper
43 100
74 23.8 18.6 28.0



#16
Methylene chloride
Concen: 11.768 ug/L
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW004503.D
Acq: 07 Aug 2018 20:20

Tgt Ion: 84 Resp: 269394
Ion Ratio Lower Upper
84 100
49 126.7 86.0 159.6
86 64.2 43.5 80.9

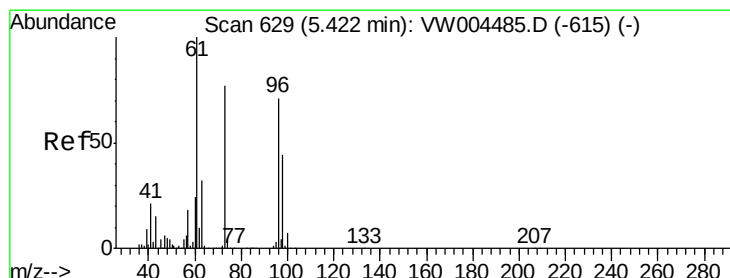
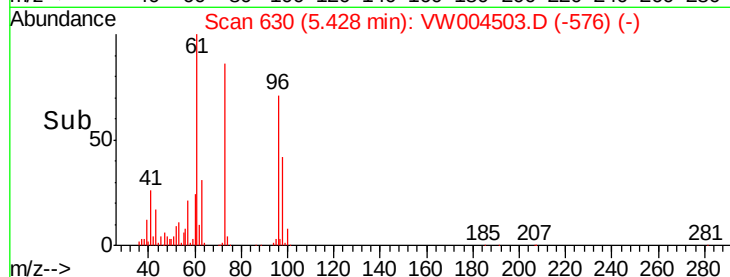
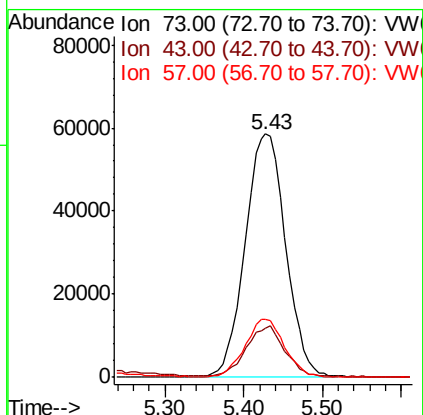
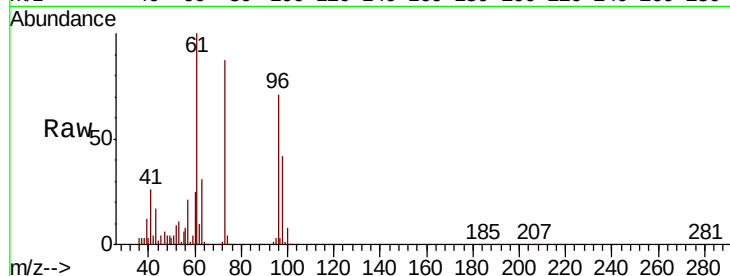




#17
Methyl tert-butyl Ether
Concen: 9.669 ug/L
RT: 5.43 min Scan# 630
Delta R.T. 0.00 min
Lab File: VW004503.D
Acq: 07 Aug 2018 20:20

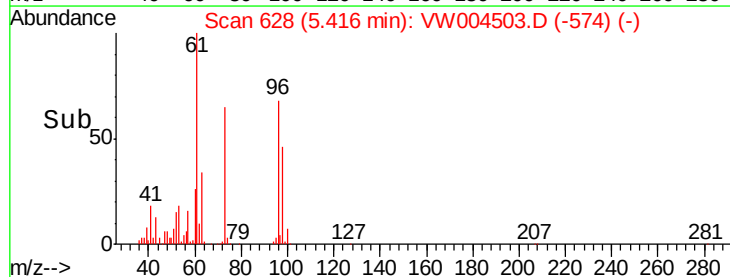
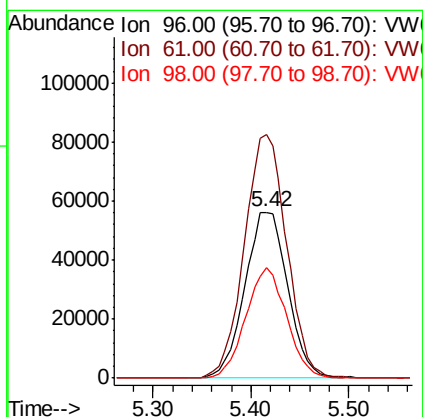
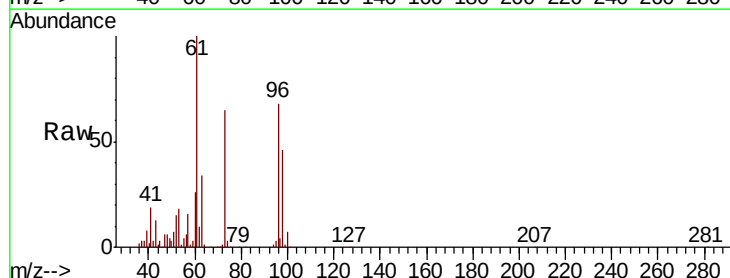
Instrument :
MSVOA_W
ClientSampleId :
VW0808SBS01

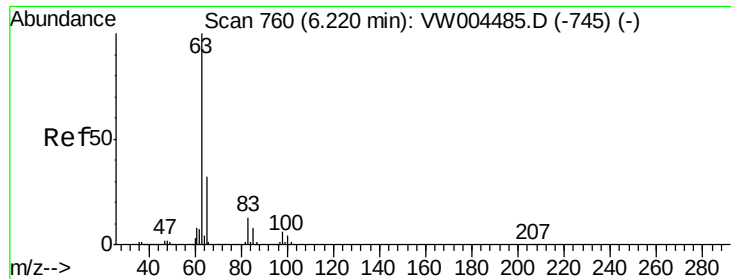
Tgt Ion	Ratio	Lower	Upper
73	100		
43	19.1	16.2	24.2
57	23.3	18.9	28.3



#18
trans-1,2-Dichloroethene
Concen: 10.466 ug/L
RT: 5.42 min Scan# 628
Delta R.T. -0.00 min
Lab File: VW004503.D
Acq: 07 Aug 2018 20:20

Tgt Ion	Ratio	Lower	Upper
96	100		
61	147.0	97.9	181.7
98	67.0	43.0	79.8

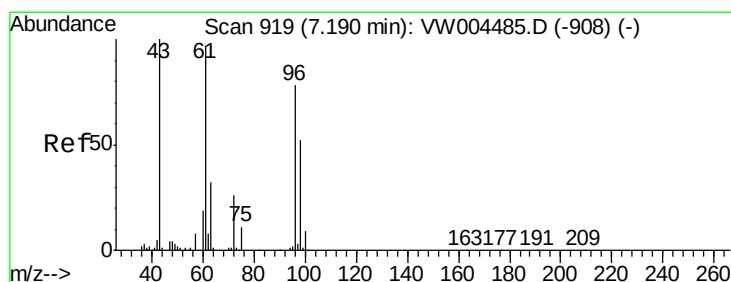
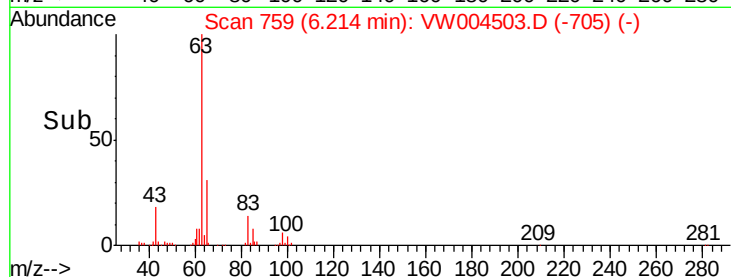
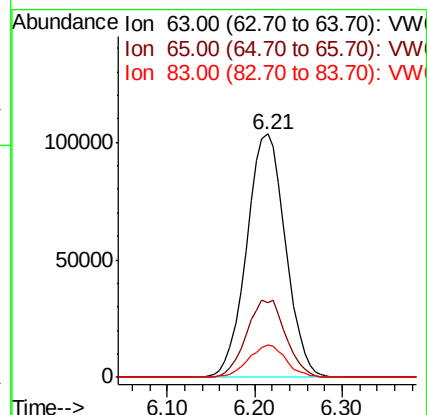
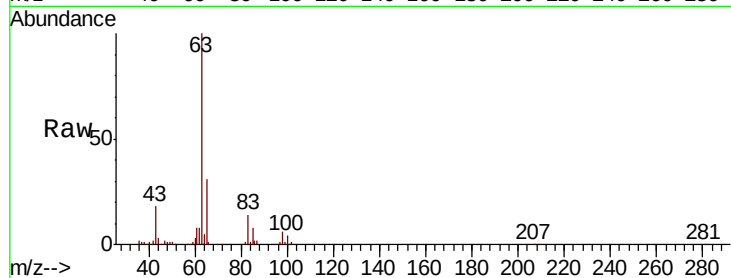




#19
 1,1-Dichloroethane
 Concen: 10.298 ug/L
 RT: 6.21 min Scan# 759
 Delta R.T. -0.00 min
 Lab File: VW004503.D
 Acq: 07 Aug 2018 20:20

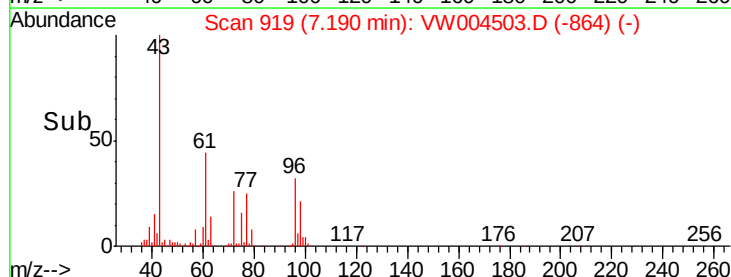
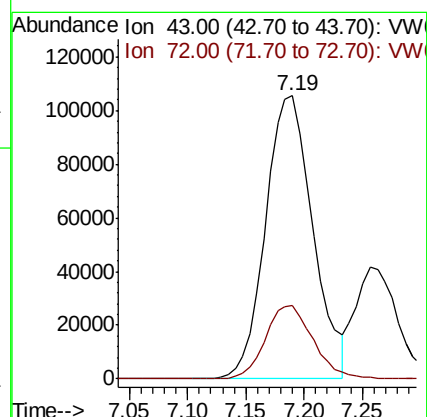
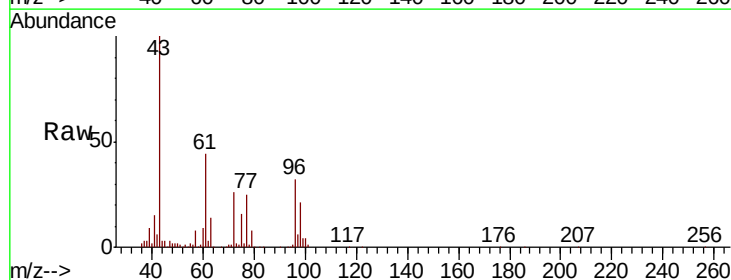
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0808SBS01

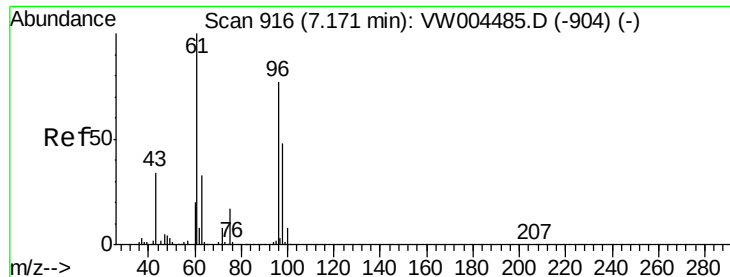
Tgt Ion	Ratio	Lower	Upper
63	100		
65	30.8	22.5	41.7
83	13.5	9.3	17.3



#21
 2-Butanone
 Concen: 39.558 ug/L
 RT: 7.19 min Scan# 919
 Delta R.T. 0.01 min
 Lab File: VW004503.D
 Acq: 07 Aug 2018 20:20

Tgt Ion	Ratio	Lower	Upper
43	100		
72	26.0	13.2	39.6



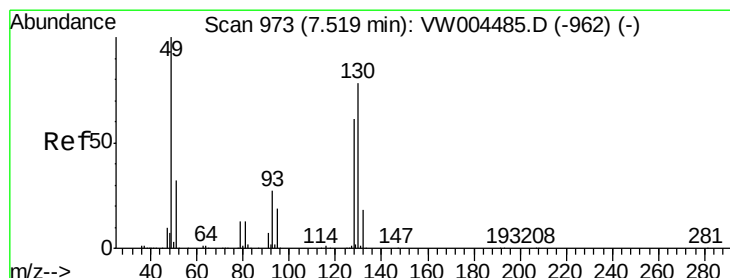
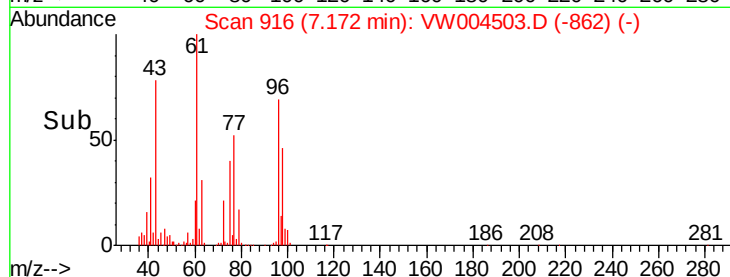
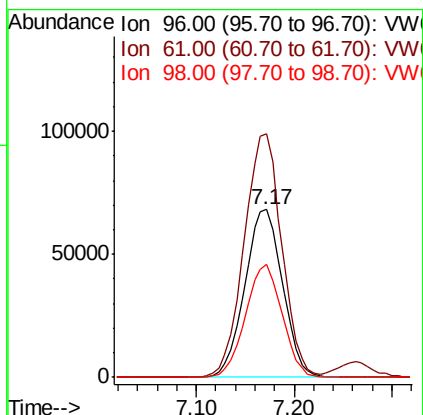
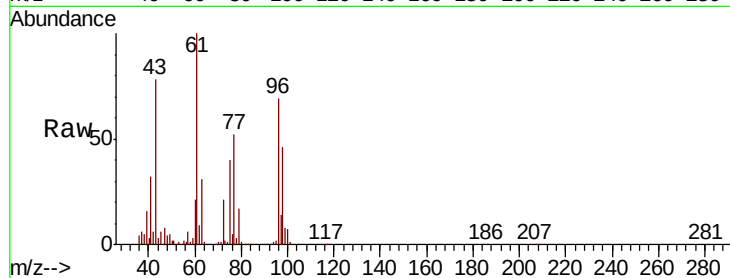


#22

cis-1,2-Dichloroethene
Concen: 10.256 ug/L
RT: 7.17 min Scan# 916
Delta R.T. -0.00 min
Lab File: VW004503.D
Acq: 07 Aug 2018 20:20

Instrument :
MSVOA_W
ClientSampleId :
VW0808SBS01

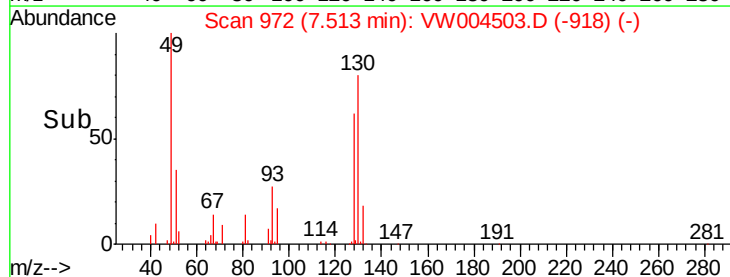
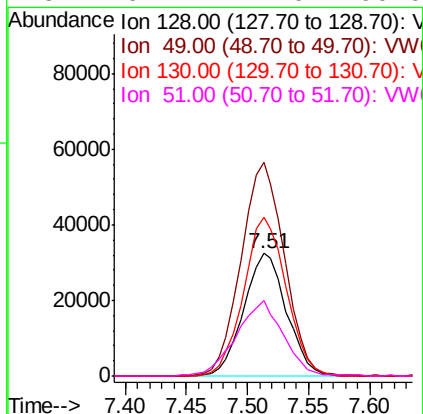
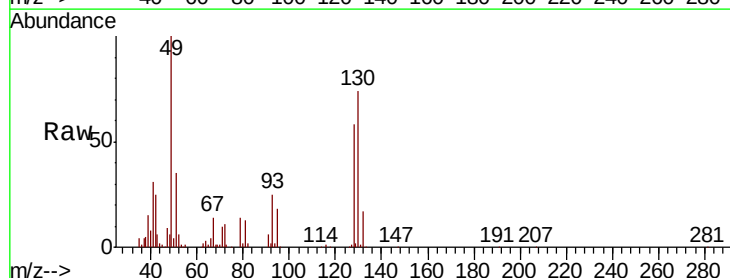
Tgt Ion: 96 Resp: 182956
Ion Ratio Lower Upper
96 100
61 144.9 92.5 171.7
98 67.0 44.1 81.9

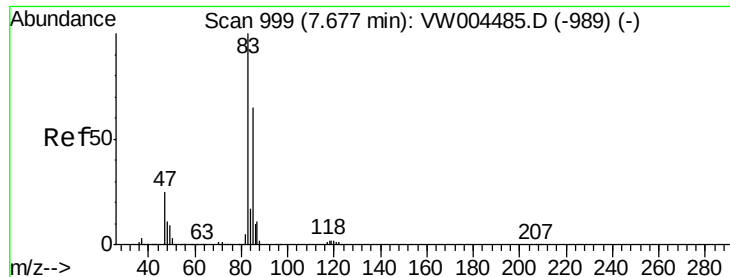


#23

Bromochloromethane
Concen: 9.222 ug/L
RT: 7.51 min Scan# 972
Delta R.T. -0.00 min
Lab File: VW004503.D
Acq: 07 Aug 2018 20:20

Tgt Ion: 128 Resp: 78736
Ion Ratio Lower Upper
128 100
49 173.8 122.0 226.6
130 129.1 88.8 164.8
51 61.2 44.0 66.0





#25

Chloroform

Concen: 9.933 ug/L

RT: 7.68 min Scan# 999

Delta R.T. -0.00 min

Lab File: VW004503.D

Acq: 07 Aug 2018 20:20

Instrument :

MSVOA_W

ClientSampleId :

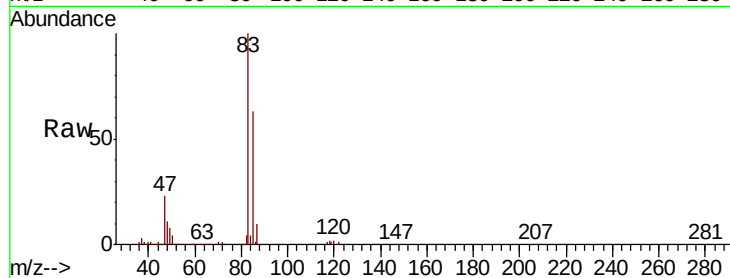
VW0808SBS01

Tgt Ion: 83 Resp: 314446

Ion Ratio Lower Upper

83 100

85 64.7 45.7 84.9



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

7.68

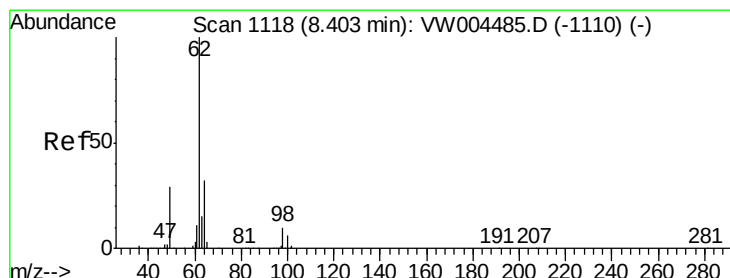
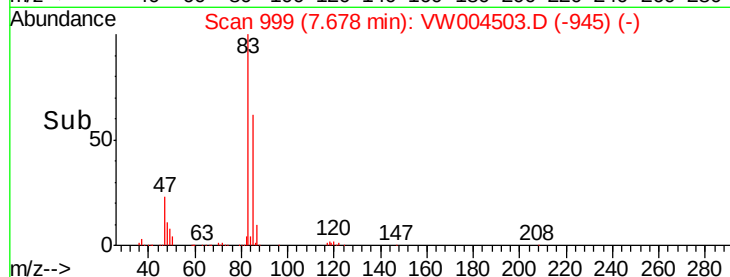
150000

100000

50000

0

Time-->



#27

1,2-Dichloroethane

Concen: 9.363 ug/L

RT: 8.40 min Scan# 1118

Delta R.T. -0.00 min

Lab File: VW004503.D

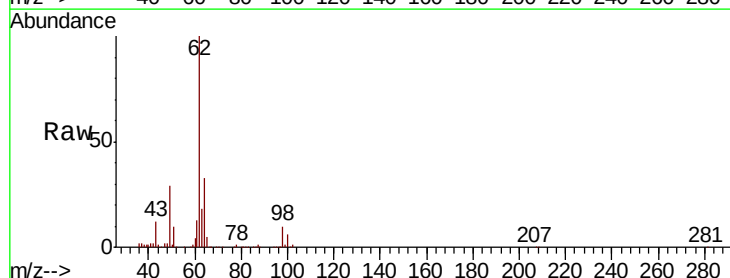
Acq: 07 Aug 2018 20:20

Tgt Ion: 62 Resp: 199128

Ion Ratio Lower Upper

62 100

98 9.5 7.6 11.4



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW

8.40

100000

80000

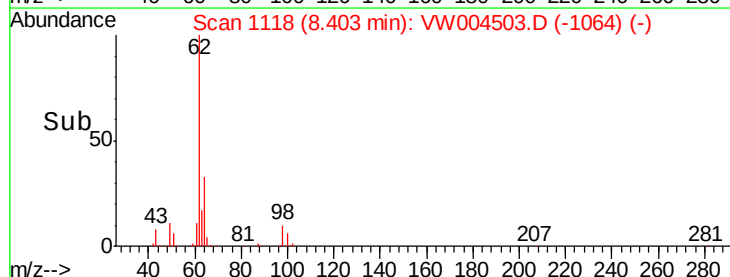
60000

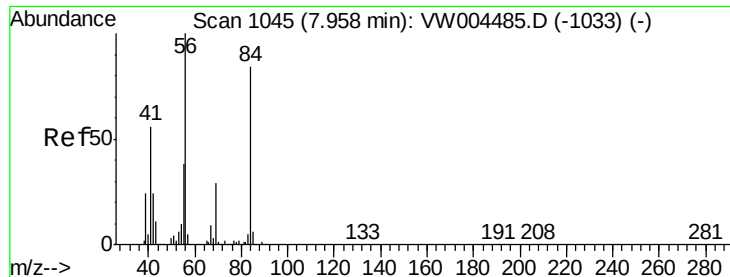
40000

20000

0

Time-->

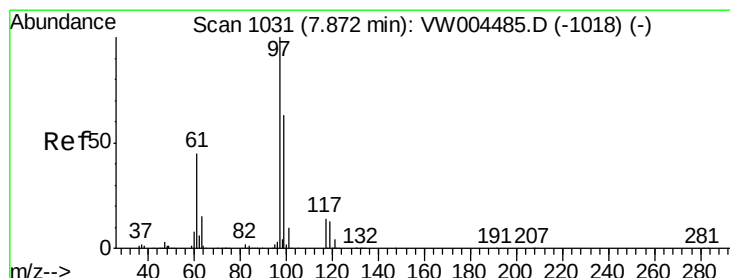
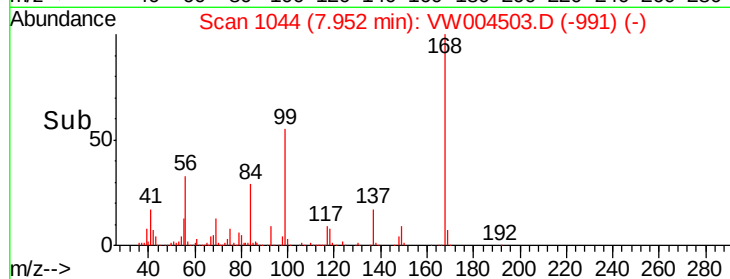
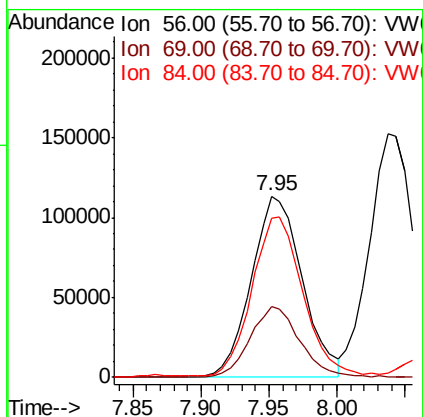
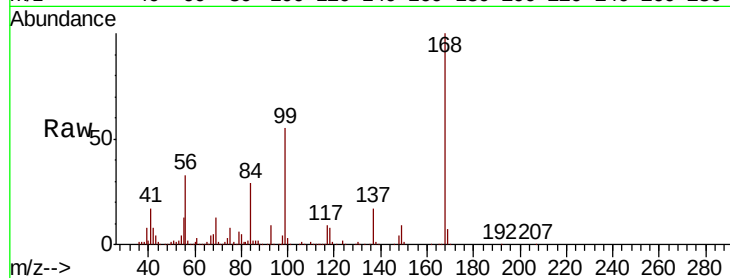




#30
Cyclohexane
Concen: 11.421 ug/L
RT: 7.95 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VW004503.D
Acq: 07 Aug 2018 20:20

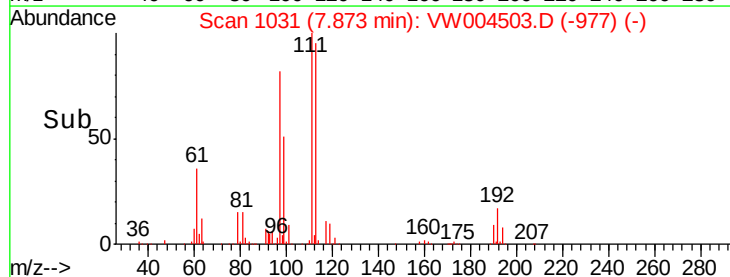
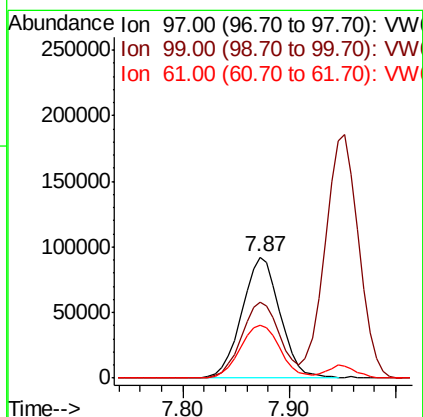
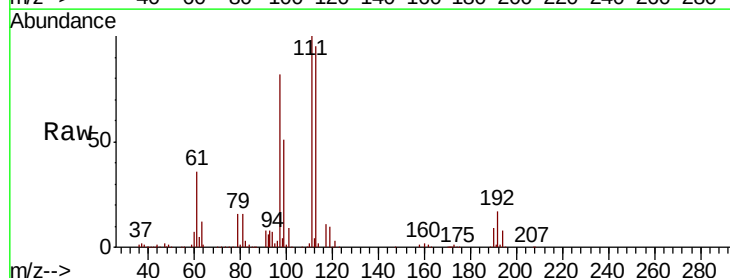
Instrument :
MSVOA_W
ClientSampleId :
VW0808SBS01

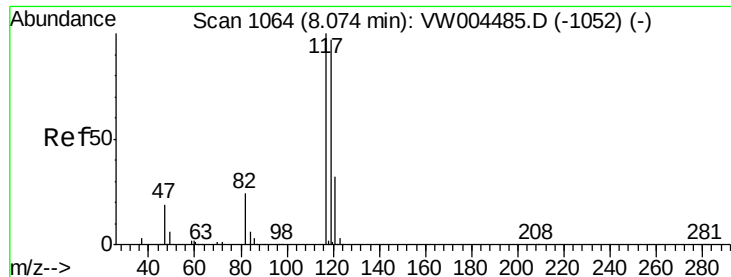
Tgt Ion: 56 Resp: 296888
Ion Ratio Lower Upper
56 100
69 38.0 24.0 36.0#
84 88.9 66.7 100.1



#31
1,1,1-Trichloroethane
Concen: 9.925 ug/L
RT: 7.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VW004503.D
Acq: 07 Aug 2018 20:20

Tgt Ion: 97 Resp: 231790
Ion Ratio Lower Upper
97 100
99 63.5 51.8 77.6
61 45.9 37.3 55.9





#32

Carbon tetrachloride

Concen: 9.816 ug/L

RT: 8.07 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VW004503.D

Acq: 07 Aug 2018 20:20

Instrument :

MSVOA_W

ClientSampled :

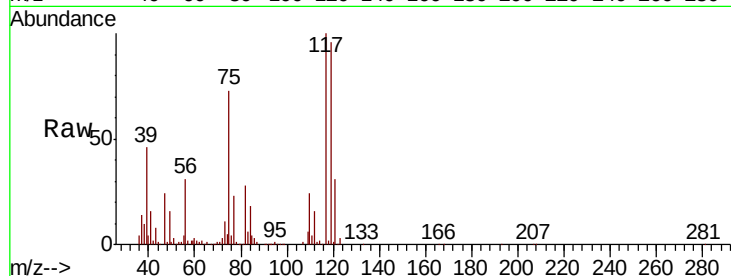
VW0808SBS01

Tgt Ion:117 Resp: 220921

Ion Ratio Lower Upper

117 100

119 94.4 76.5 114.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

100000

80000

60000

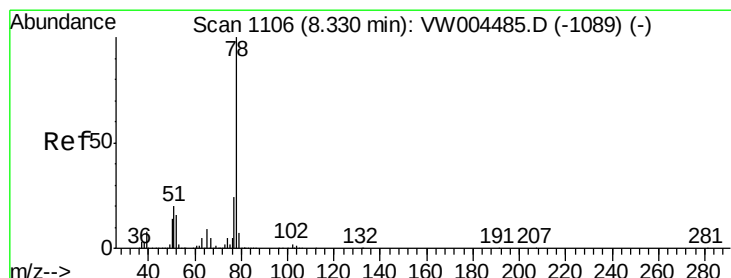
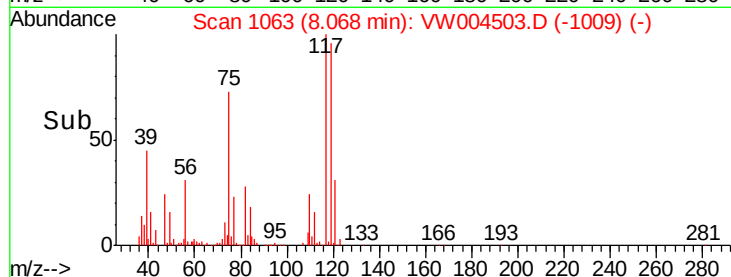
40000

20000

0

8.00 8.10 8.20

Time-->



#34

Benzene

Concen: 10.690 ug/L

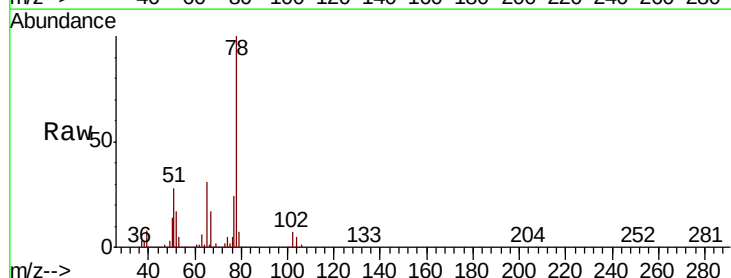
RT: 8.32 min Scan# 1105

Delta R.T. 0.00 min

Lab File: VW004503.D

Acq: 07 Aug 2018 20:20

Tgt Ion: 78 Resp: 724445



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32

300000

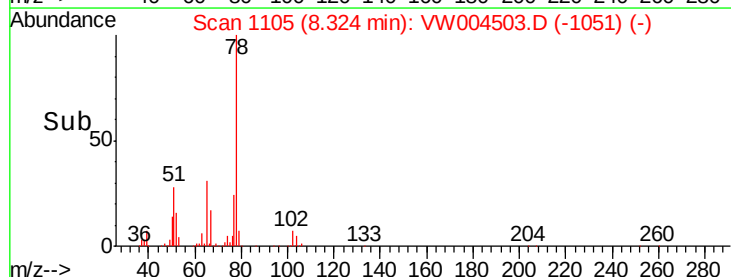
200000

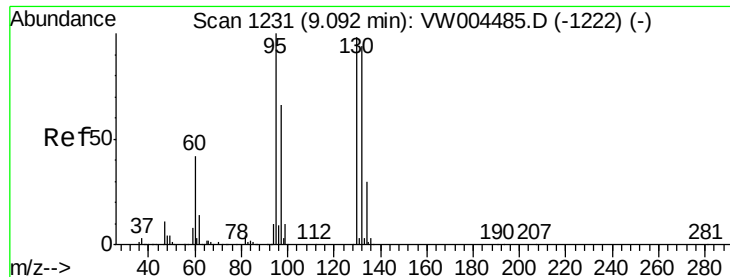
100000

0

8.20 8.30 8.40

Time-->





#35

Trichloroethene

Concen: 10.305 ug/L

RT: 9.09 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VW004503.D

Acq: 07 Aug 2018 20:20

Instrument :

MSVOA_W

ClientSampleId :

VW0808SBS01

Tgt Ion: 95 Resp: 175659

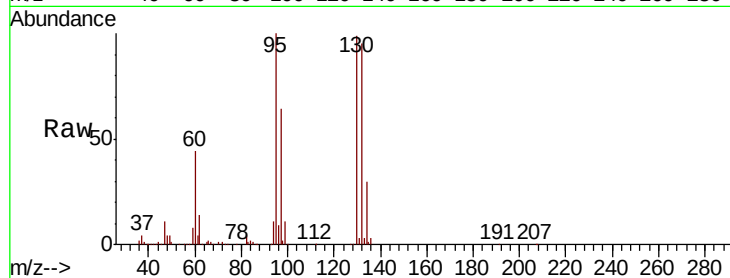
Ion Ratio Lower Upper

95 100

97 64.0 44.9 83.5

132 95.3 67.6 125.6

130 100.0 69.1 128.3

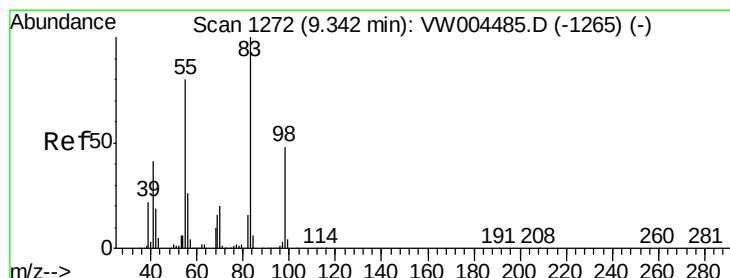
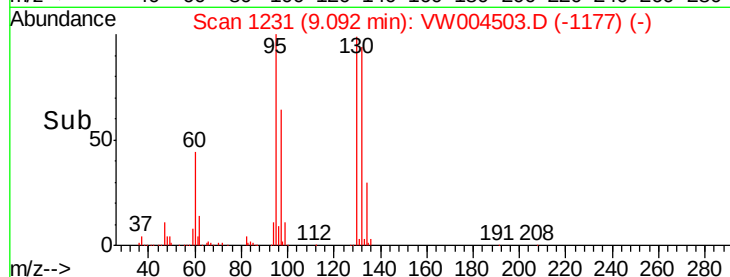
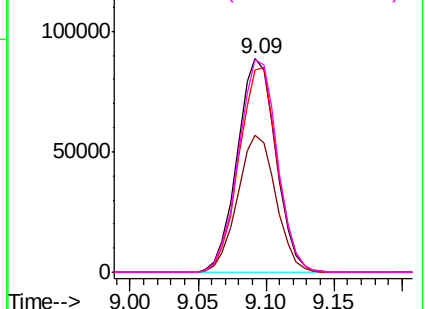


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 9.640 ug/L

RT: 9.34 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VW004503.D

Acq: 07 Aug 2018 20:20

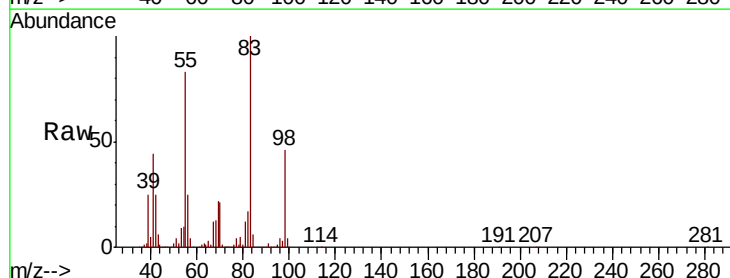
Tgt Ion: 83 Resp: 288467

Ion Ratio Lower Upper

83 100

55 81.7 62.8 94.2

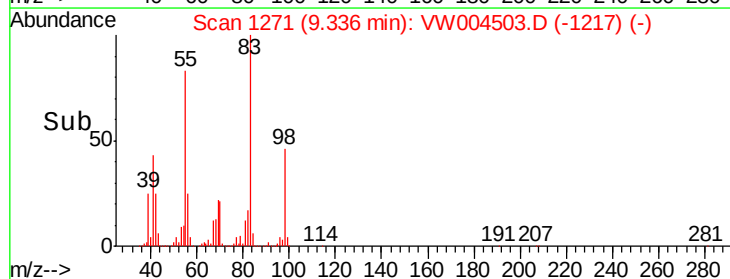
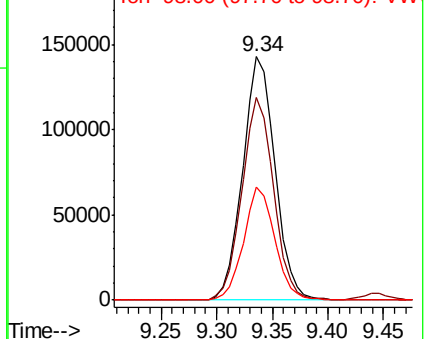
98 44.8 36.6 54.8

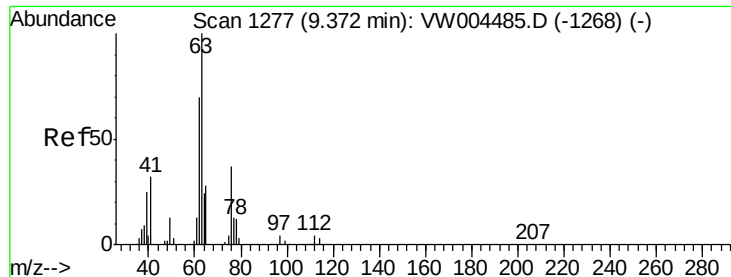


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

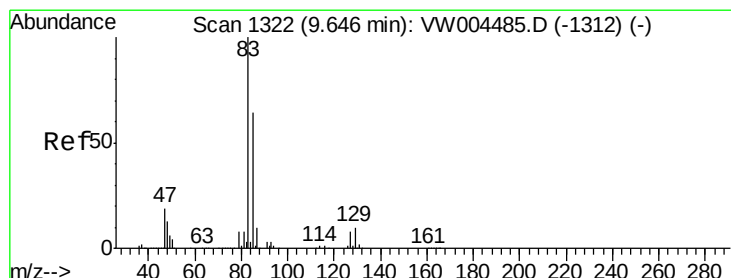
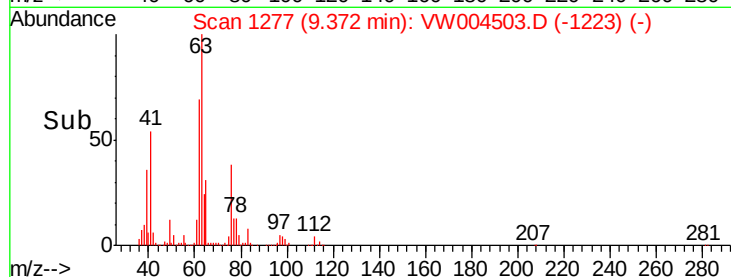
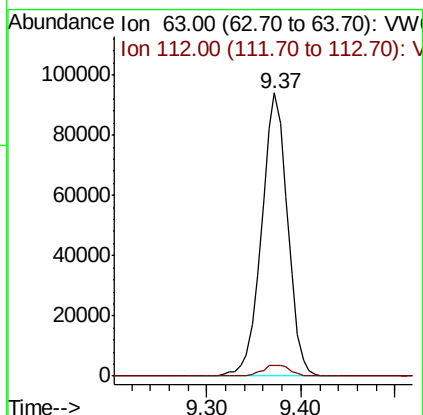
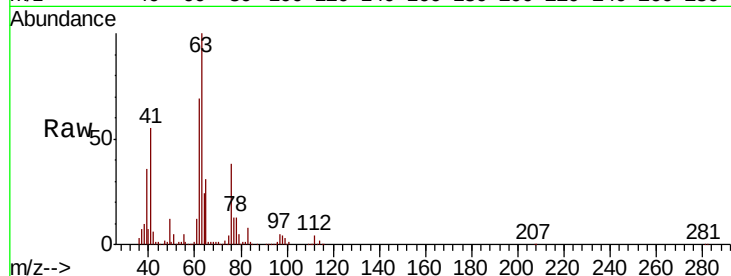




#40
 1,2-Dichloropropane
 Concen: 10.191 ug/L
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VW004503.D
 Acq: 07 Aug 2018 20:20

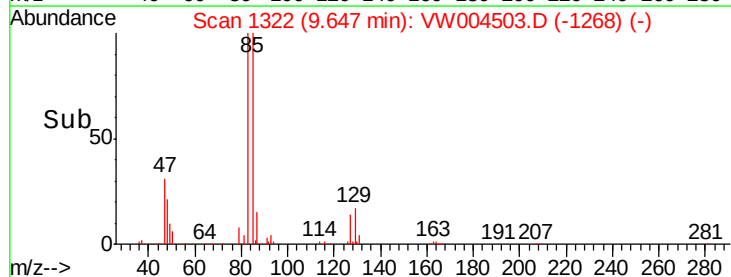
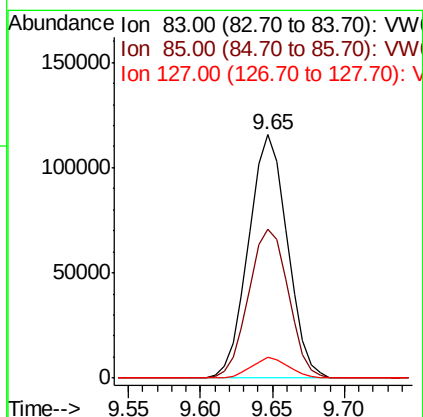
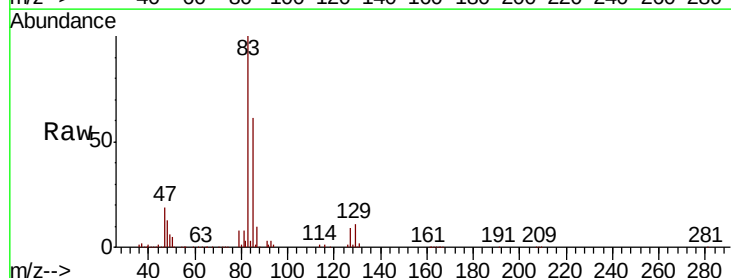
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0808SBS01

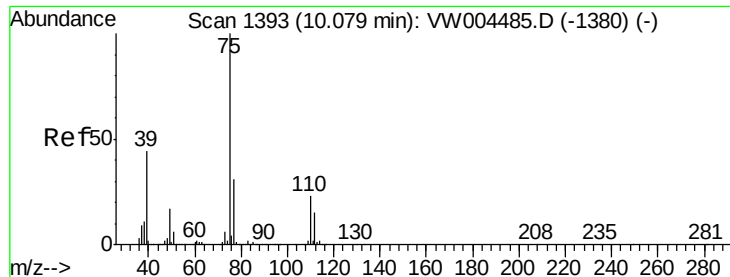
Tgt Ion: 63 Resp: 182910
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.0 4.6



#41
 Bromodichloromethane
 Concen: 9.984 ug/L
 RT: 9.65 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VW004503.D
 Acq: 07 Aug 2018 20:20

Tgt Ion: 83 Resp: 215257
 Ion Ratio Lower Upper
 83 100
 85 61.4 43.7 81.1
 127 8.6 6.6 10.0





#42

cis-1,3-Dichloropropene

Concen: 10.146 ug/L

RT: 10.07 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW004503.D

Acq: 07 Aug 2018 20:20

Instrument :

MSVOA_W

ClientSampleId :

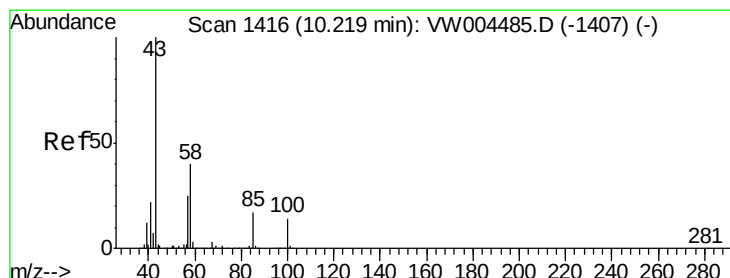
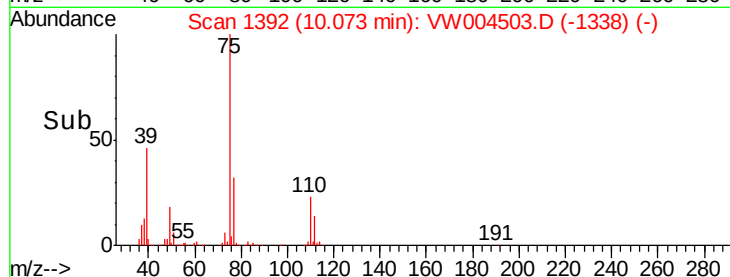
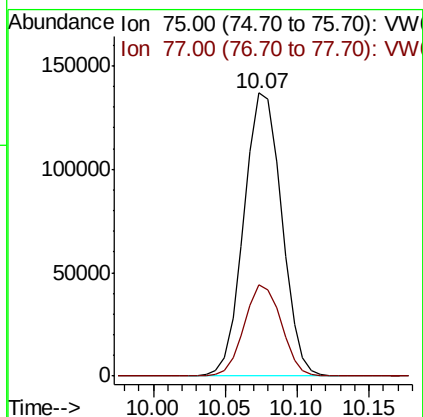
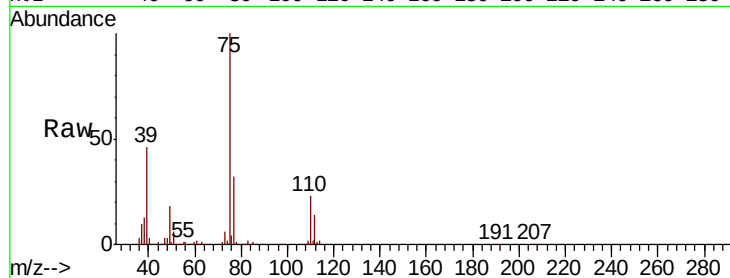
VW0808SBS01

Tgt Ion: 75 Resp: 249110

Ion Ratio Lower Upper

75 100

77 32.1 22.5 41.7



#43

4-Methyl-2-pentanone

Concen: 49.498 ug/L

RT: 10.21 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VW004503.D

Acq: 07 Aug 2018 20:20

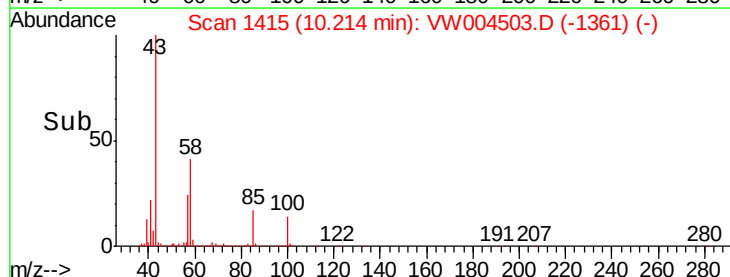
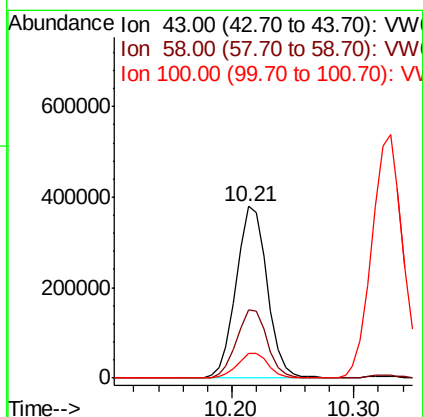
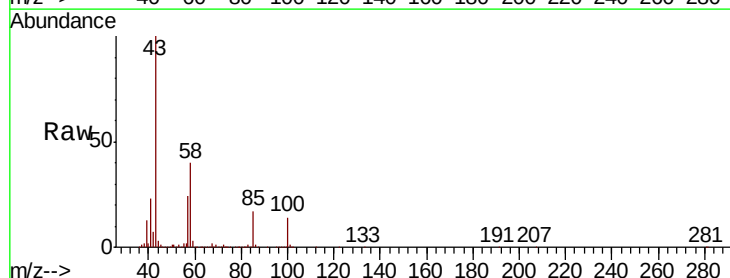
Tgt Ion: 43 Resp: 666143

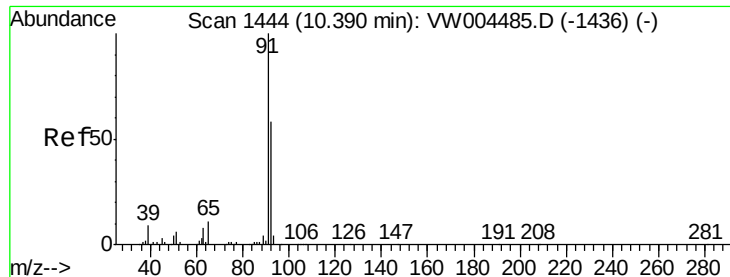
Ion Ratio Lower Upper

43 100

58 39.4 31.5 47.3

100 14.5 11.7 17.5





#44

Toluene

Concen: 11.086 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. -0.00 min

Lab File: VW004503.D

Acq: 07 Aug 2018 20:20

Instrument :

MSVOA_W

ClientSampleId :

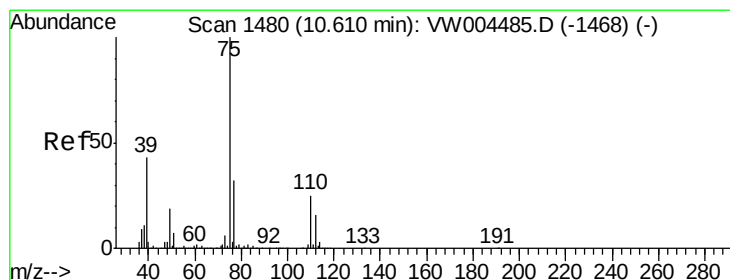
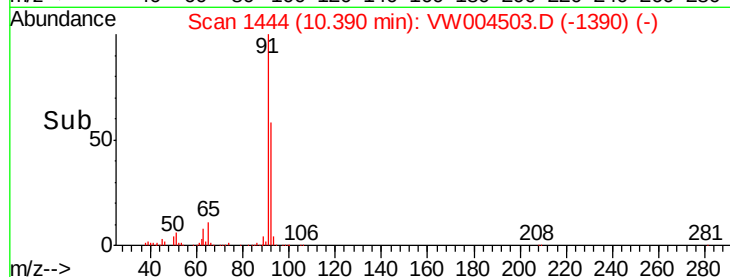
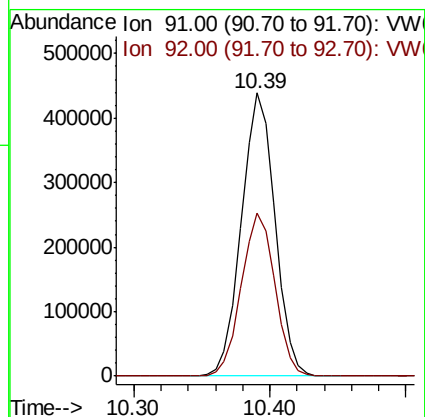
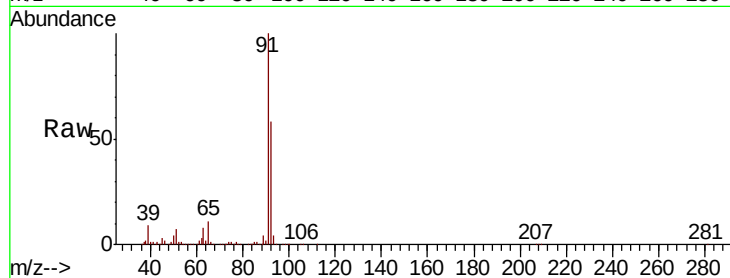
VW0808SBS01

Tgt Ion: 91 Resp: 756064

Ion Ratio Lower Upper

91 100

92 57.8 40.8 75.8



#45

trans-1,3-Dichloropropene

Concen: 9.431 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW004503.D

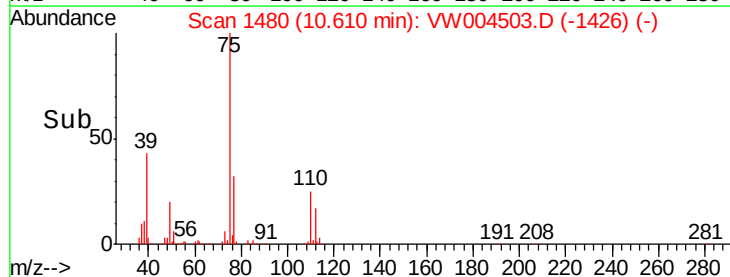
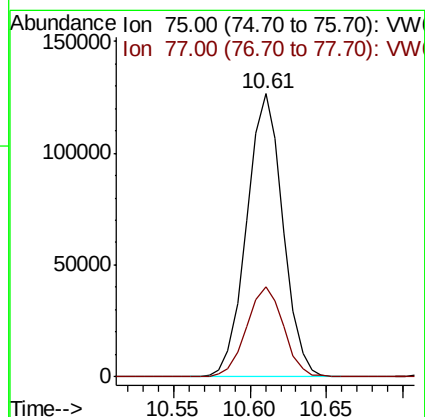
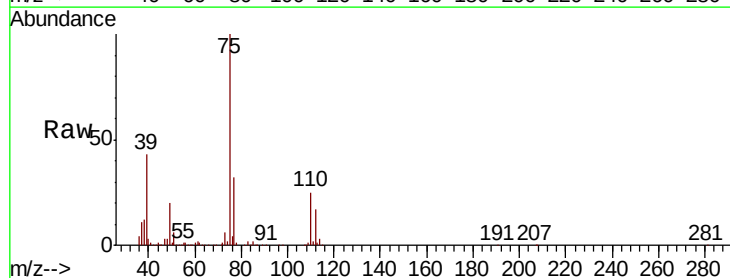
Acq: 07 Aug 2018 20:20

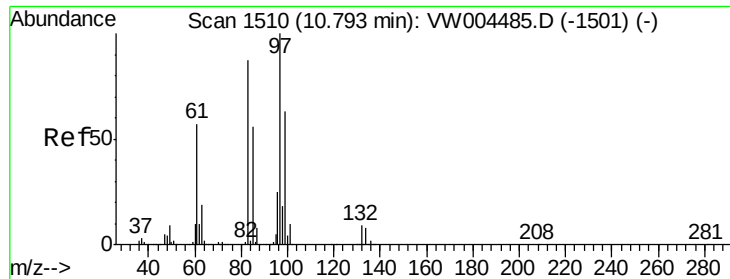
Tgt Ion: 75 Resp: 208143

Ion Ratio Lower Upper

75 100

77 31.7 21.8 40.6

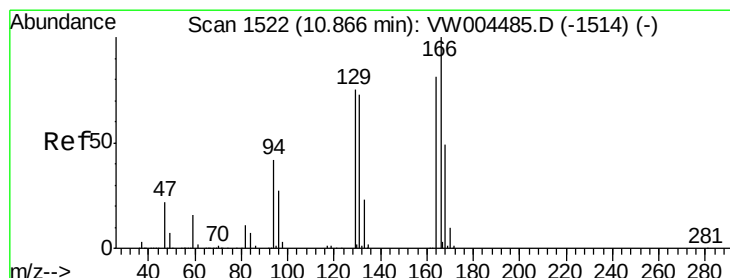
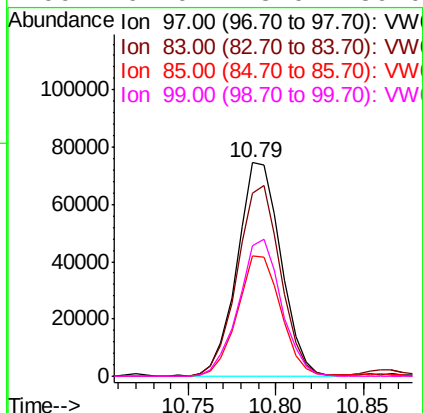
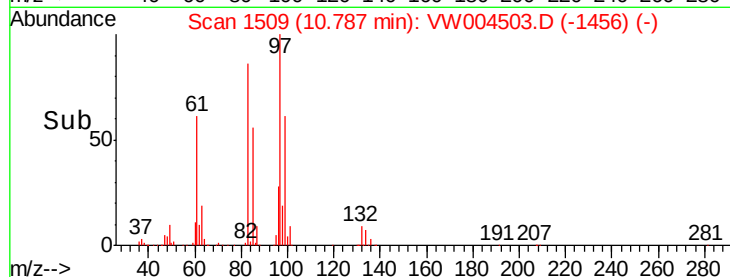
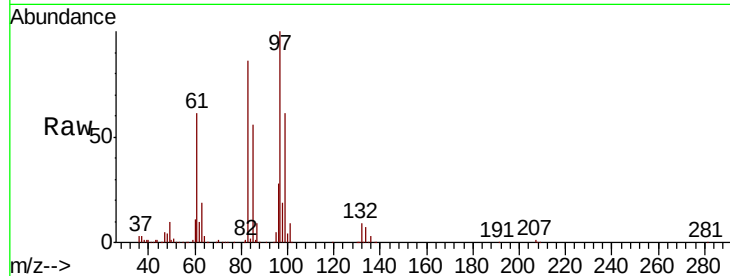




#46
 1,1,2-Trichloroethane
 Concen: 9.328 ug/L
 RT: 10.79 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VW004503.D
 Acq: 07 Aug 2018 20:20

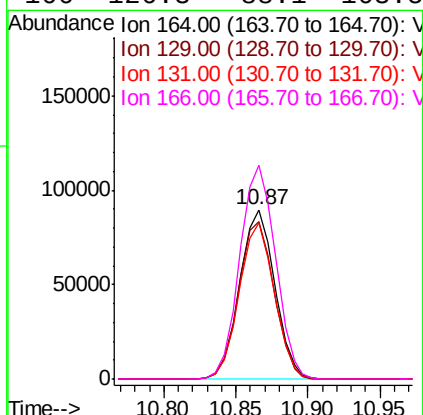
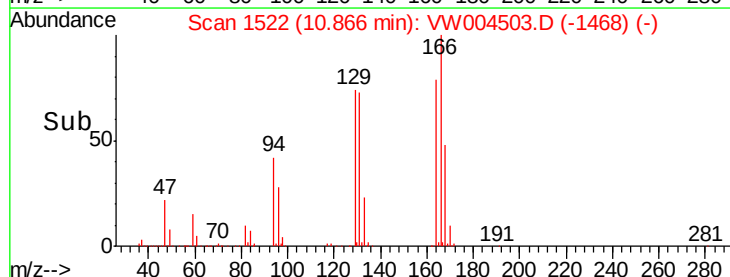
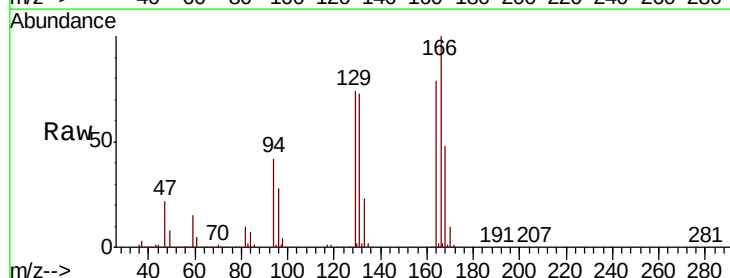
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0808SBS01

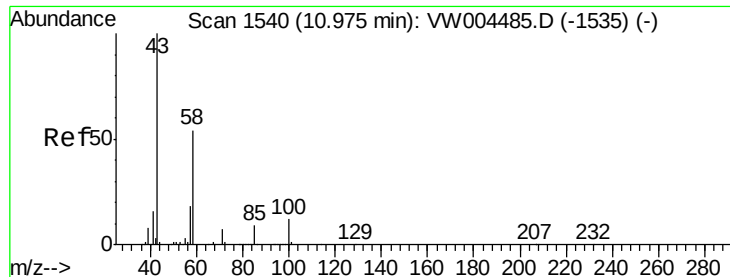
Tgt Ion:	97	Resp:	130163
Ion	Ratio	Lower	Upper
97	100		
83	85.7	61.8	114.8
85	56.1	38.8	72.0
99	61.0	43.0	80.0



#47
 Tetrachloroethene
 Concen: 11.258 ug/L
 RT: 10.87 min Scan# 1522
 Delta R.T. -0.00 min
 Lab File: VW004503.D
 Acq: 07 Aug 2018 20:20

Tgt Ion:	164	Resp:	151837
Ion	Ratio	Lower	Upper
164	100		
129	93.4	65.4	121.4
131	92.4	63.8	118.6
166	126.3	88.1	163.5





#49

2-Hexanone

Concen: 43.973 ug/L

RT: 10.98 min Scan# 1540

Delta R.T. 0.00 min

Lab File: VW004503.D

Acq: 07 Aug 2018 20:20

Instrument :

MSVOA_W

ClientSampleId :

VW0808SBS01

Tgt Ion: 43 Resp: 444719

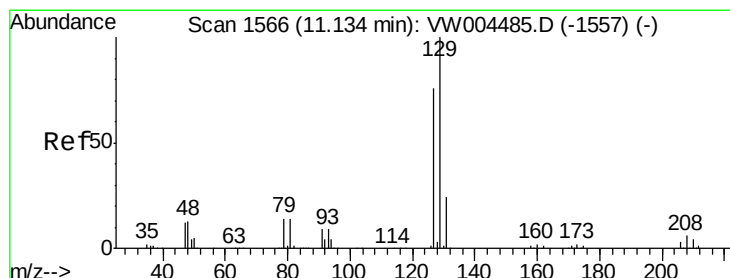
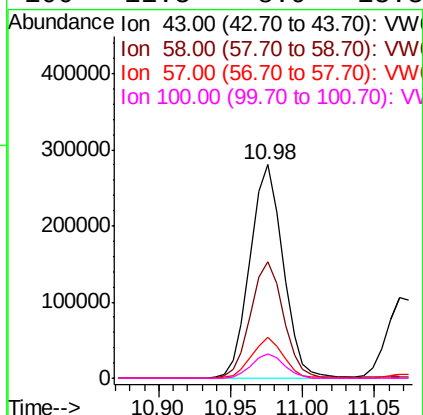
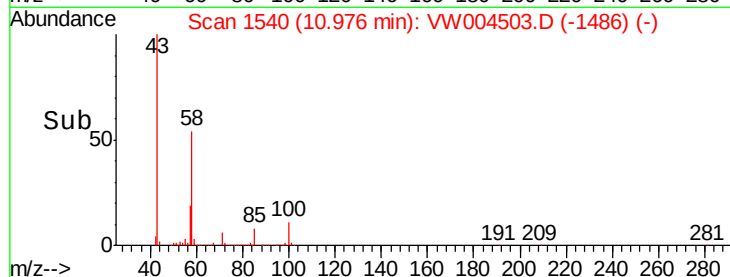
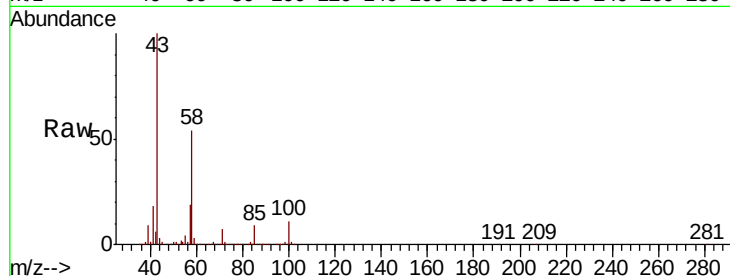
Ion Ratio Lower Upper

43 100

58 54.2 43.4 65.0

57 18.3 15.0 22.6

100 11.3 8.9 13.3



#50

Dibromochloromethane

Concen: 9.130 ug/L

RT: 11.13 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VW004503.D

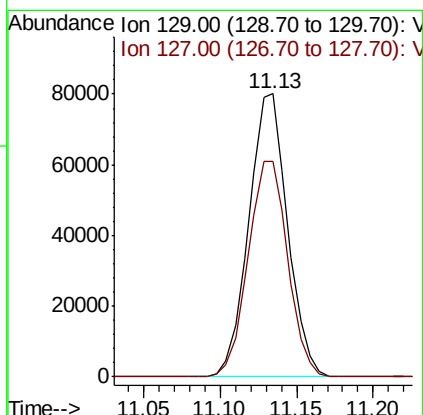
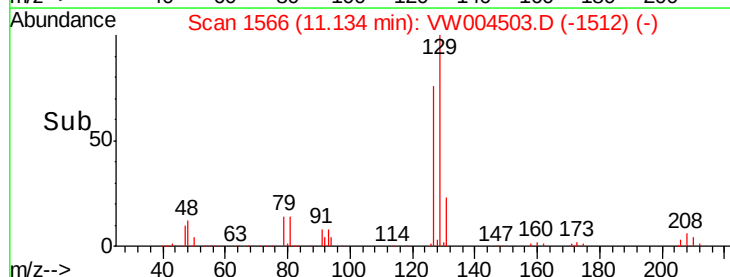
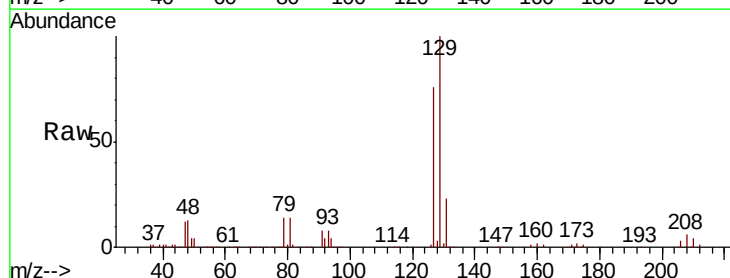
Acq: 07 Aug 2018 20:20

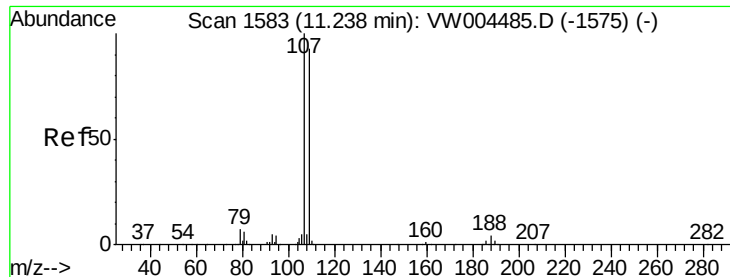
Tgt Ion: 129 Resp: 141326

Ion Ratio Lower Upper

129 100

127 76.1 54.1 100.5





#51

1,2-Dibromoethane

Concen: 9.192 ug/L

RT: 11.24 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VW004503.D

Acq: 07 Aug 2018 20:20

Instrument :

MSVOA_W

ClientSampleId :

VW0808SBS01

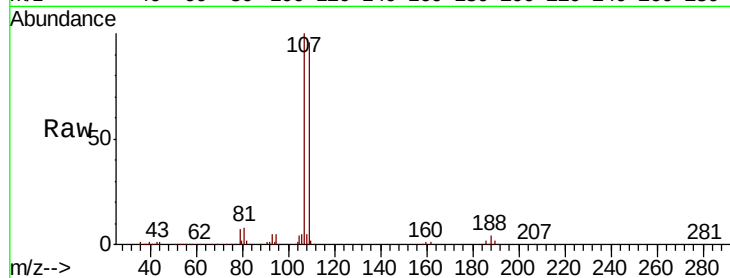
Tgt Ion:107 Resp: 122949

Ion Ratio Lower Upper

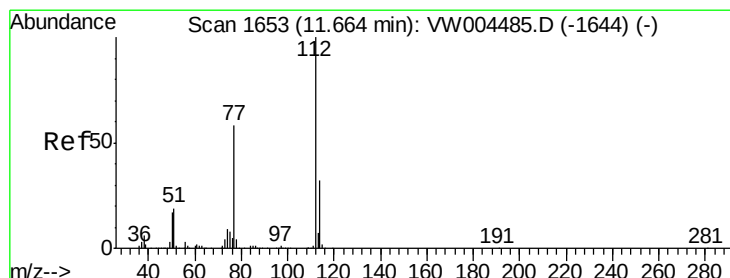
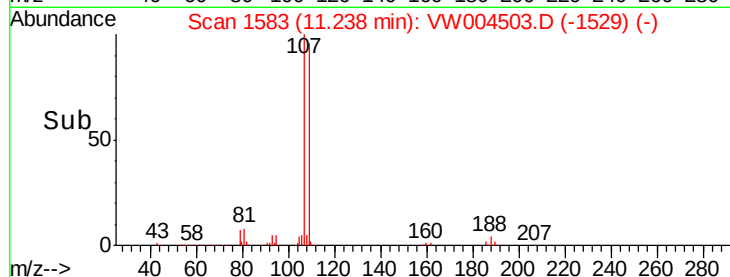
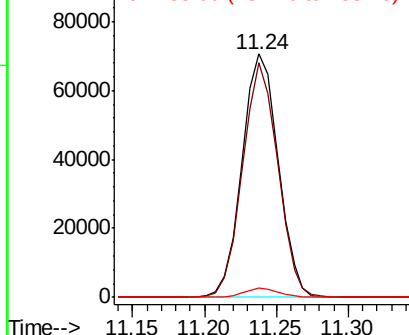
107 100

109 96.3 66.8 124.2

188 3.9 2.6 3.8#



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



#52

Chlorobenzene

Concen: 10.357 ug/L

RT: 11.66 min Scan# 1652

Delta R.T. -0.01 min

Lab File: VW004503.D

Acq: 07 Aug 2018 20:20

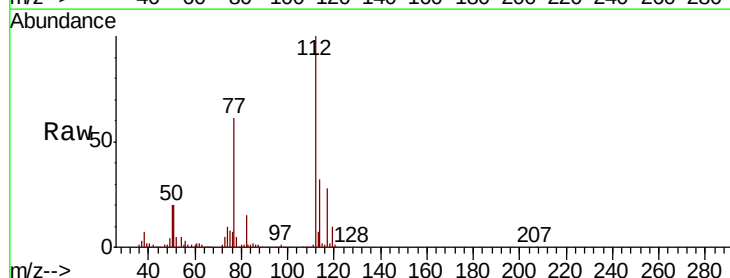
Tgt Ion:112 Resp: 477670

Ion Ratio Lower Upper

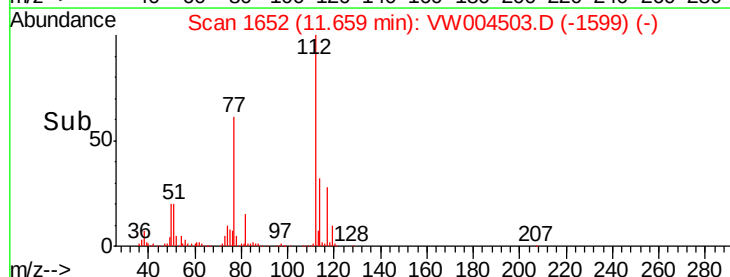
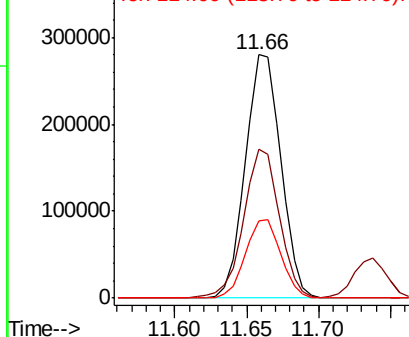
112 100

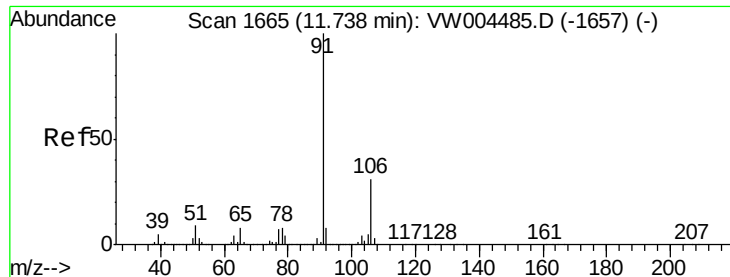
77 61.1 46.5 69.7

114 31.9 22.0 41.0



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 77.00 (76.70 to 77.70): V
Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 10.491 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VW004503.D

Acq: 07 Aug 2018 20:20

Instrument :

MSVOA_W

ClientSampleId :

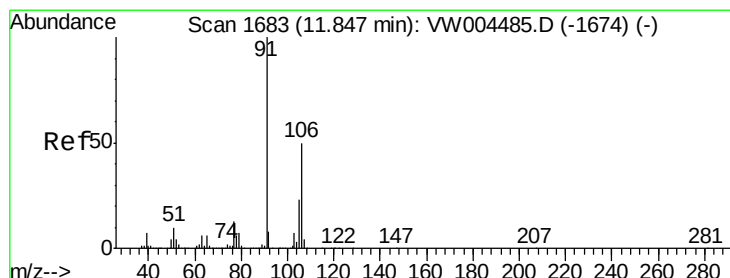
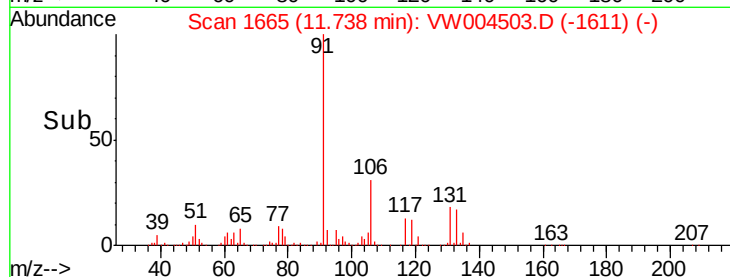
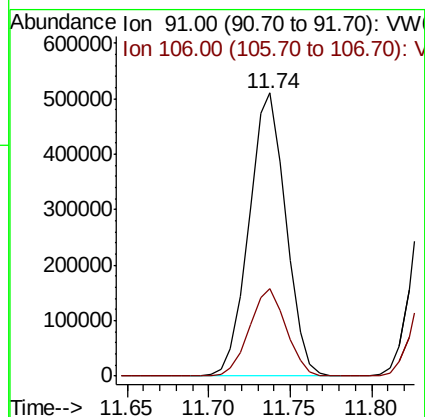
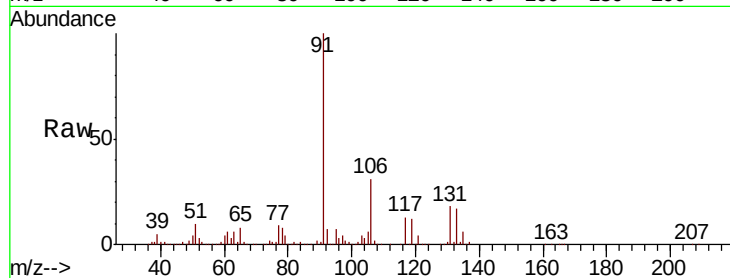
VW0808SBS01

Tgt Ion: 91 Resp: 803961

Ion Ratio Lower Upper

91 100

106 31.0 21.6 40.0



#54

m,p-Xylene

Concen: 22.239 ug/L

RT: 11.84 min Scan# 1682

Delta R.T. -0.01 min

Lab File: VW004503.D

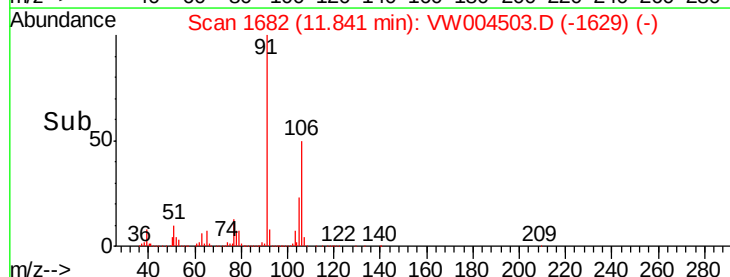
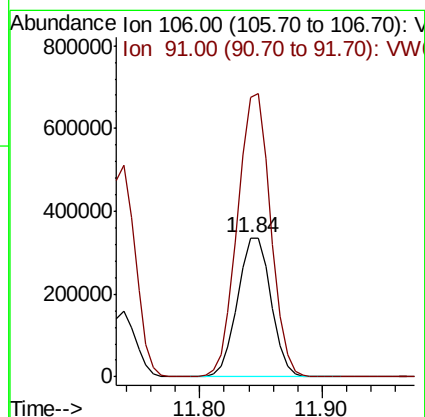
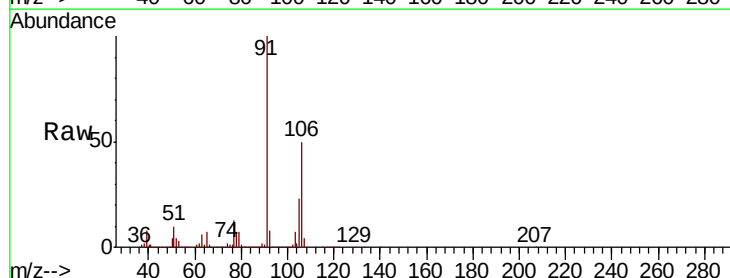
Acq: 07 Aug 2018 20:20

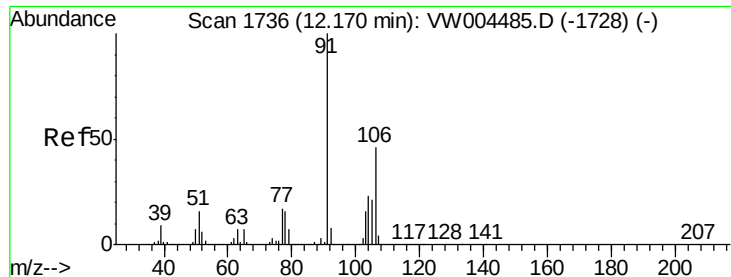
Tgt Ion: 106 Resp: 635866

Ion Ratio Lower Upper

106 100

91 200.7 143.0 265.6

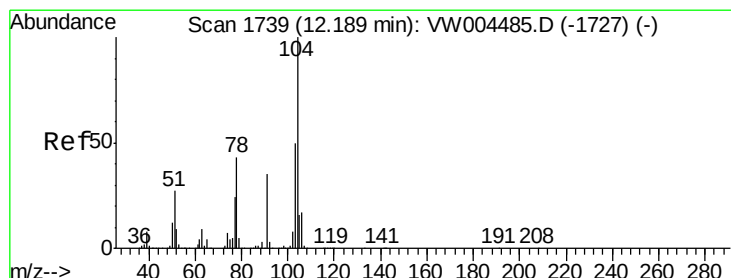
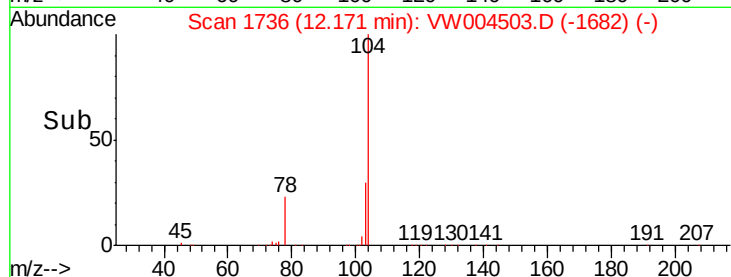
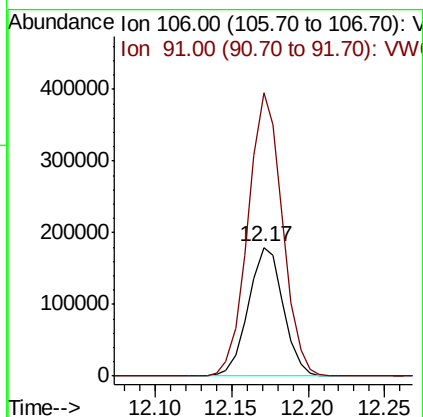
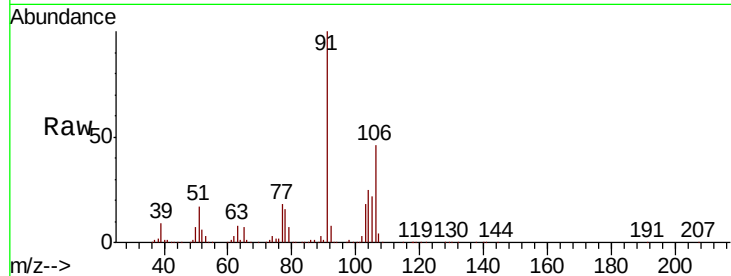




#55
o-xylene
Concen: 10.522 ug/L
RT: 12.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VW004503.D
Acq: 07 Aug 2018 20:20

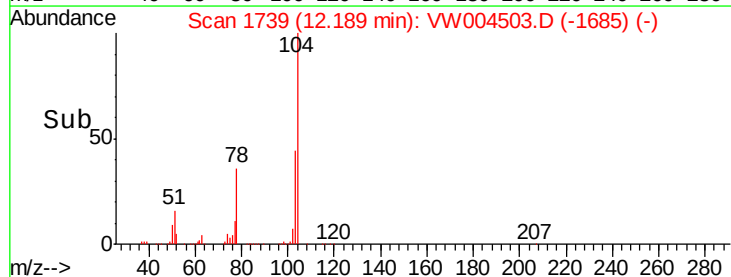
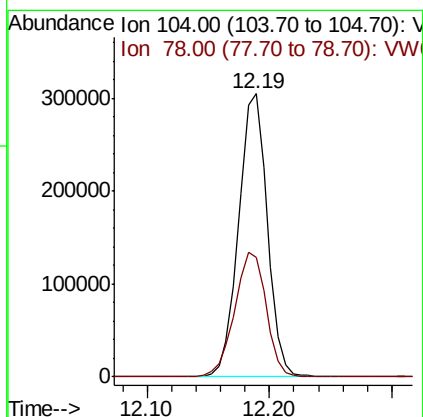
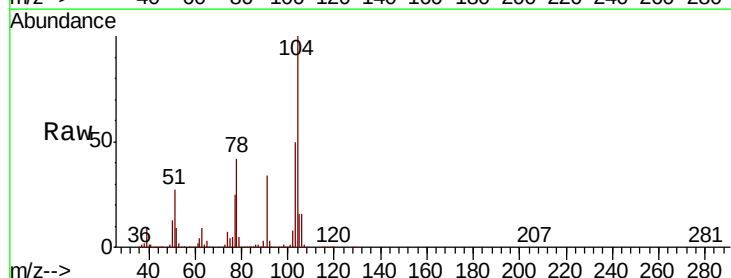
Instrument :
MSVOA_W
ClientSampleId :
VW0808SBS01

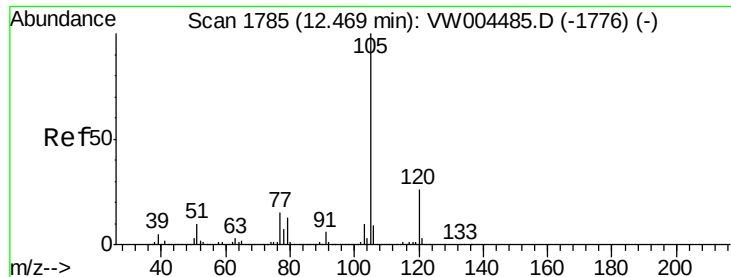
Tgt Ion:106 Resp: 285070
Ion Ratio Lower Upper
106 100
91 219.3 152.0 282.4



#56
Styrene
Concen: 10.500 ug/L
RT: 12.19 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VW004503.D
Acq: 07 Aug 2018 20:20

Tgt Ion:104 Resp: 495710
Ion Ratio Lower Upper
104 100
78 42.2 30.8 57.2





#57

Isopropylbenzene

Concen: 10.743 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW004503.D

Acq: 07 Aug 2018 20:20

Instrument :

MSVOA_W

ClientSampleId :

VW0808SBS01

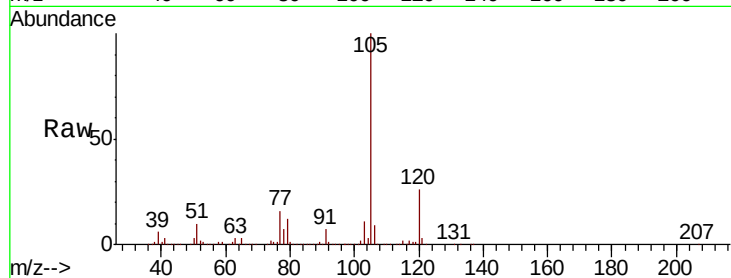
Tgt Ion: 105 Resp: 787847

Ion Ratio Lower Upper

105 100

120 26.2 21.0 31.4

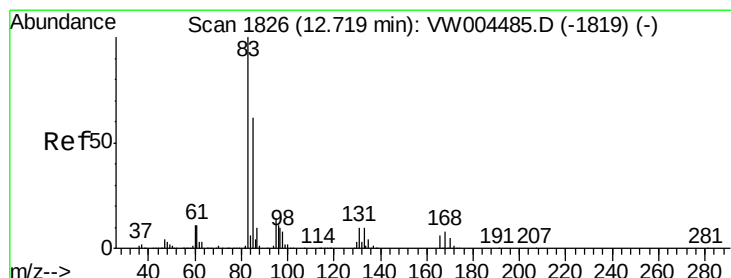
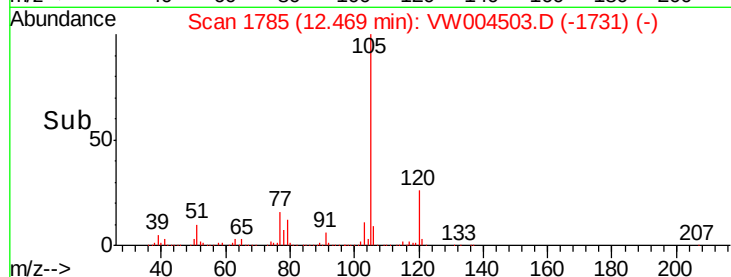
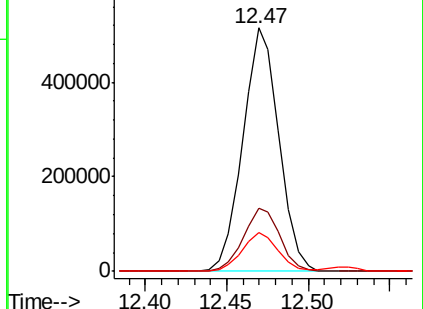
77 15.8 12.4 18.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 8.055 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW004503.D

Acq: 07 Aug 2018 20:20

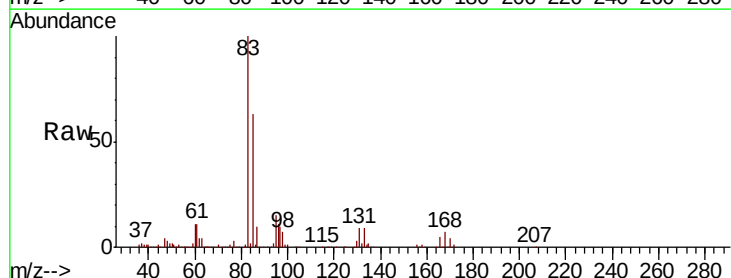
Tgt Ion: 83 Resp: 163127

Ion Ratio Lower Upper

83 100

85 63.4 46.1 85.5

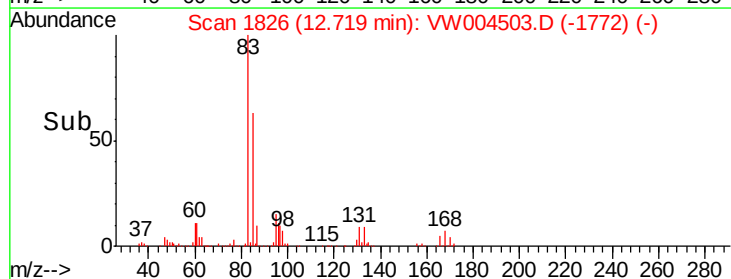
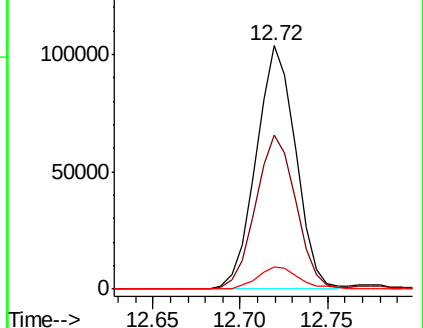
131 9.2 8.1 12.1

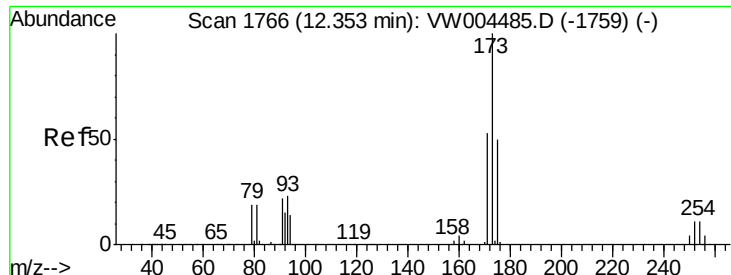


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#62

Bromoform

Concen: 7.994 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW004503.D

Acq: 07 Aug 2018 20:20

Instrument :

MSVOA_W

ClientSampleId :

VW0808SBS01

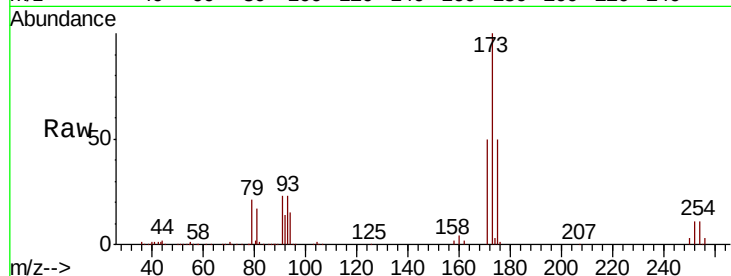
Tgt Ion:173 Resp: 85767

Ion Ratio Lower Upper

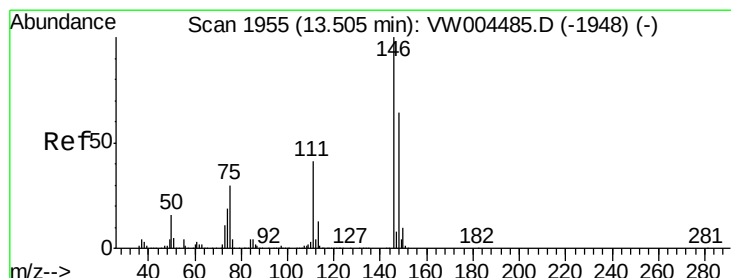
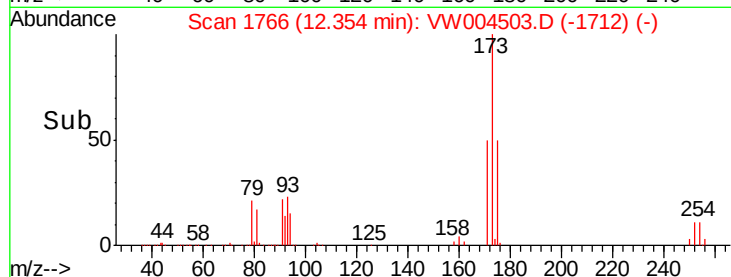
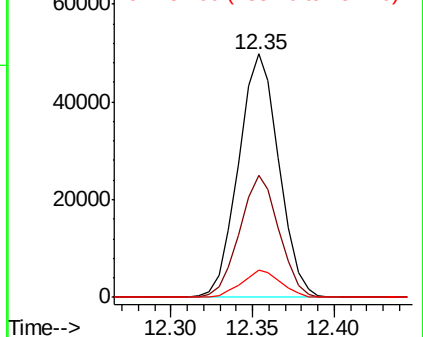
173 100

175 48.6 39.0 58.4

254 11.1 8.1 12.1



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: 10.878 ug/L

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW004503.D

Acq: 07 Aug 2018 20:20

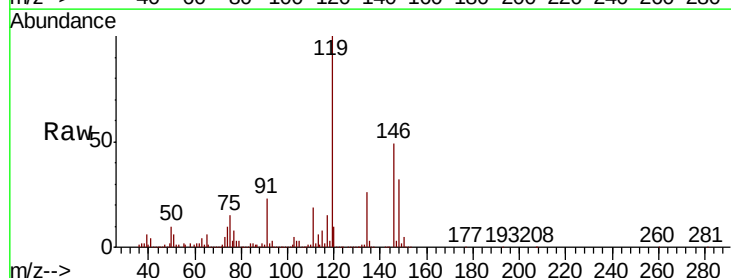
Tgt Ion:146 Resp: 399586

Ion Ratio Lower Upper

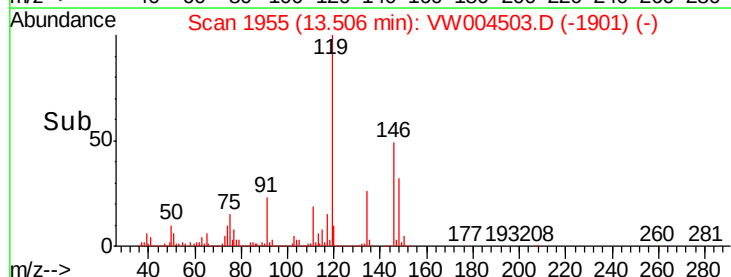
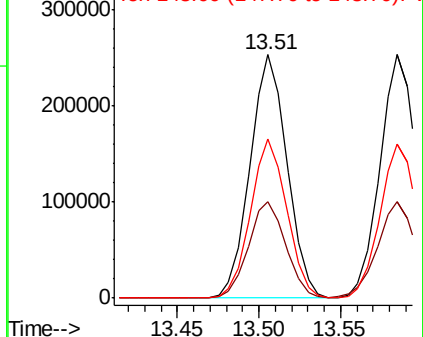
146 100

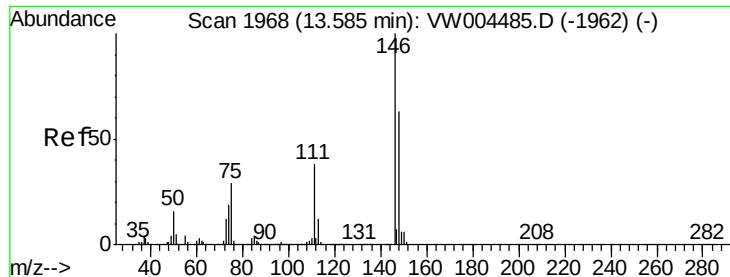
111 39.4 27.7 51.5

148 65.4 43.8 81.4



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

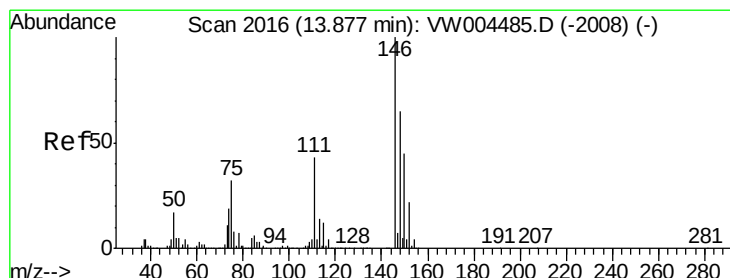
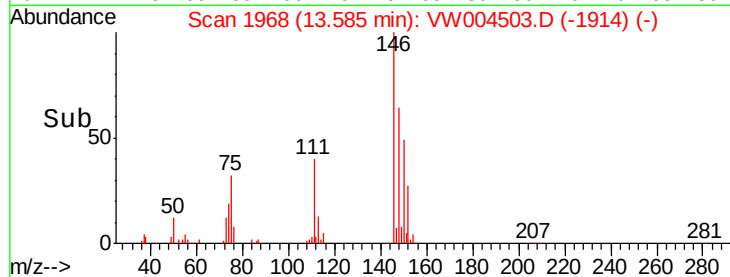
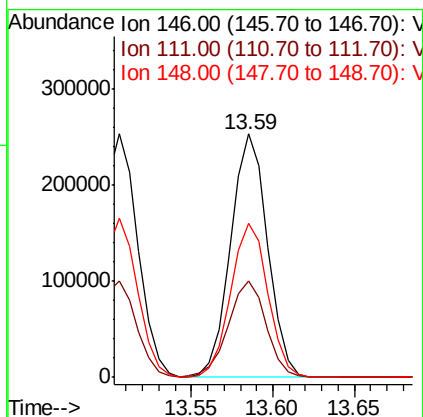
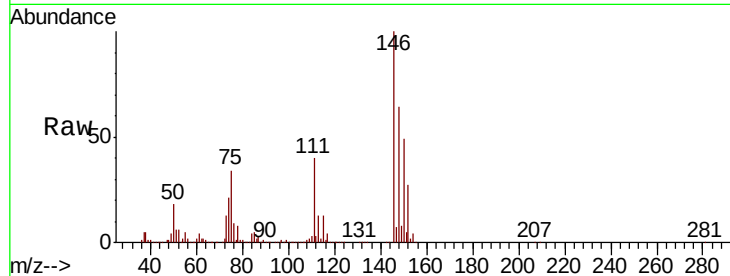




#64
 1,4-Dichlorobenzene
 Concen: 10.079 ug/L
 RT: 13.59 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW004503.D
 Acq: 07 Aug 2018 20:20

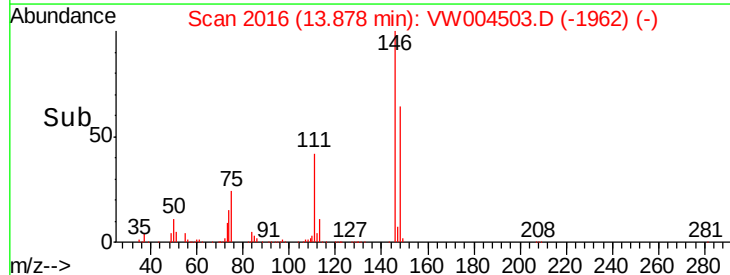
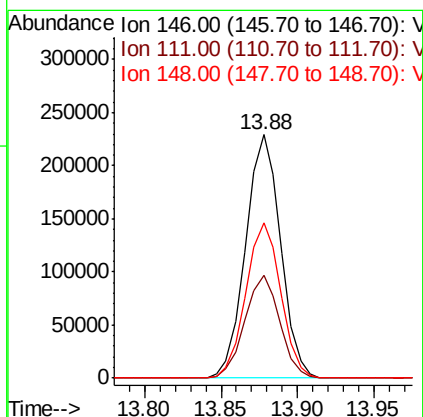
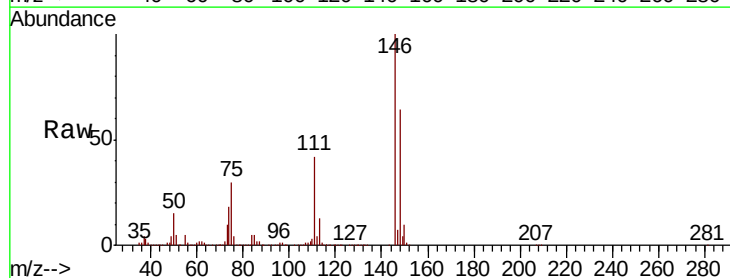
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0808SBS01

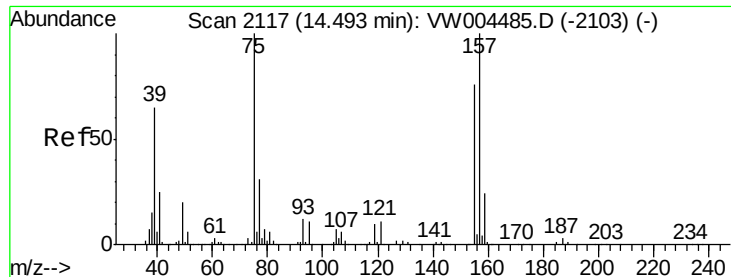
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	27.7	51.5
148	63.5	45.5	84.5



#65
 1,2-Dichlorobenzene
 Concen: 9.872 ug/L
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW004503.D
 Acq: 07 Aug 2018 20:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.4	33.4	50.2
148	64.0	50.8	76.2

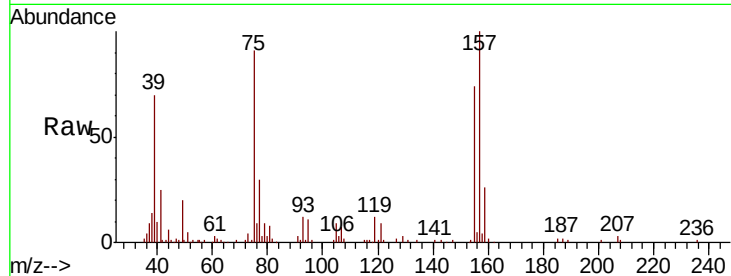




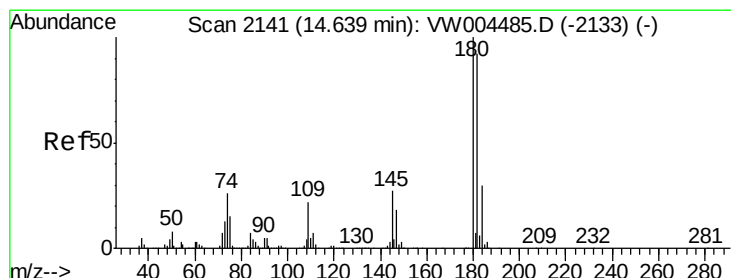
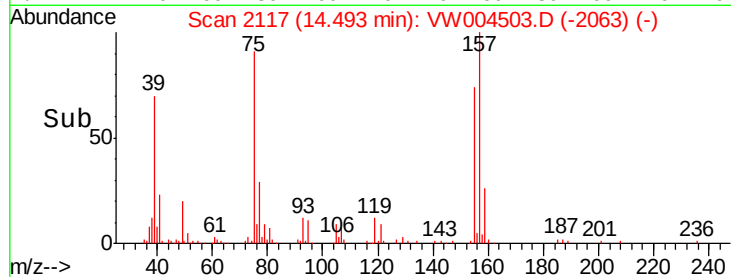
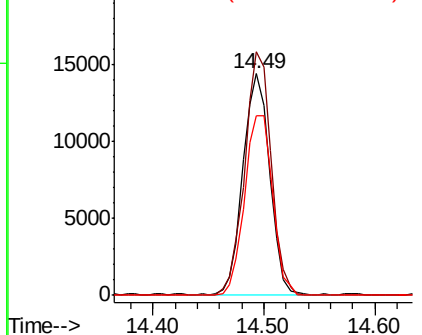
#66
 1,2-Dibromo-3-chloropropane
 Concen: 6.429 ug/L
 RT: 14.49 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VW004503.D
 Acq: 07 Aug 2018 20:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0808SBS01

Tgt Ion: 75 Resp: 24308
 Ion Ratio Lower Upper
 75 100
 157 110.0 81.4 122.0
 155 81.0 63.0 94.6

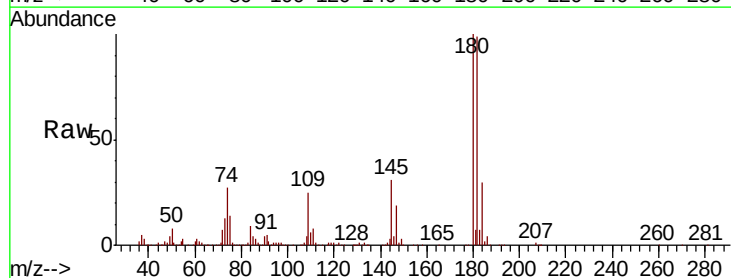


Abundance Ion 75.00 (74.70 to 75.70): VW
 Ion 157.00 (156.70 to 157.70): V
 Ion 155.00 (154.70 to 155.70): V

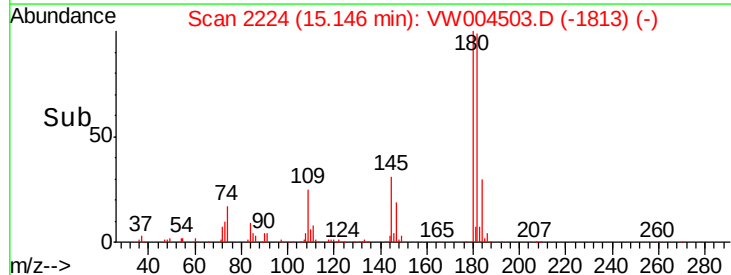
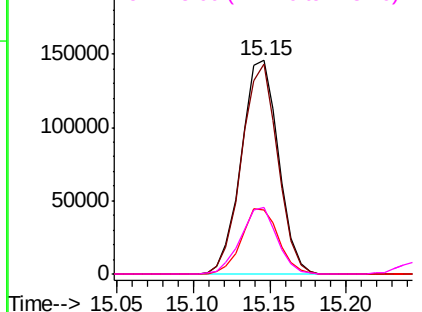


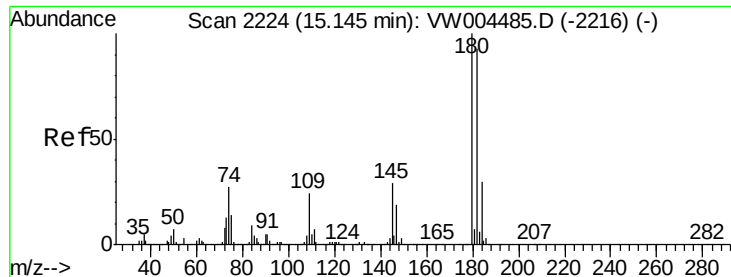
#67
 1,3,5-Trichlorobenzene
 Concen: 8.461 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.51 min
 Lab File: VW004503.D
 Acq: 07 Aug 2018 20:20

Tgt Ion: 180 Resp: 246385
 Ion Ratio Lower Upper
 180 100
 182 95.5 75.1 112.7
 184 30.3 24.0 36.0
 145 30.4 23.0 34.6



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

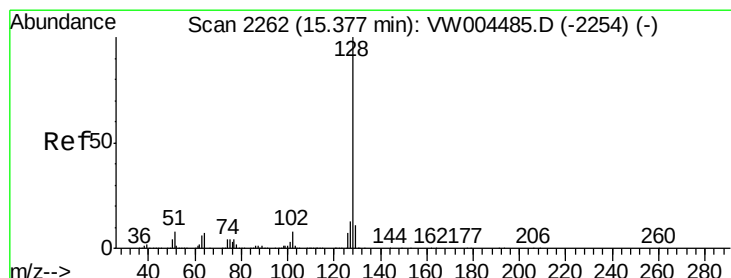
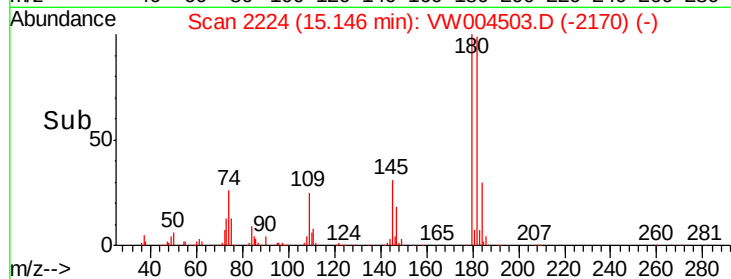
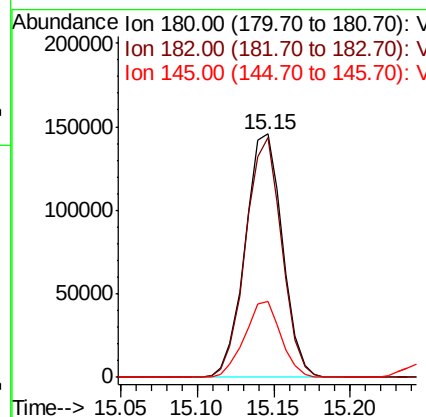
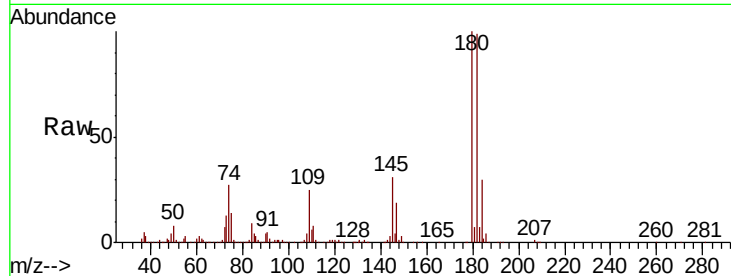




#68
 1,2,4-trichlorobenzene
 Concen: 10.458 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW004503.D
 Acq: 07 Aug 2018 20:20

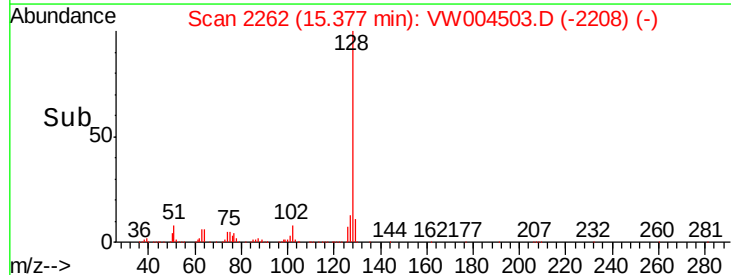
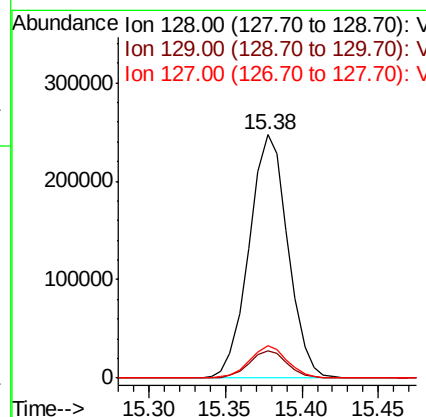
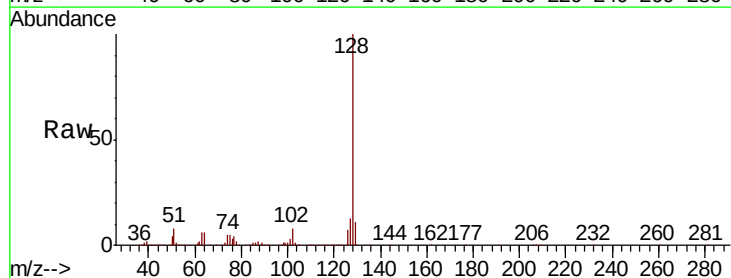
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0808SBS01

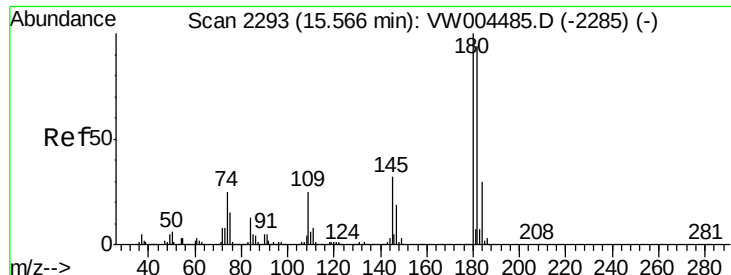
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.9	115.3
145	30.4	23.4	35.2



#69
 Naphthalene
 Concen: 8.115 ug/L
 RT: 15.38 min Scan# 2262
 Delta R.T. 0.00 min
 Lab File: VW004503.D
 Acq: 07 Aug 2018 20:20

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.8	13.2
127	13.1	10.6	16.0





#70
 1,2,3-Trichlorobenzene
 Concen: 9.685 ug/L
 RT: 15.57 min Scan# 2293
 Delta R.T. -0.00 min
 Lab File: VW004503.D
 Acq: 07 Aug 2018 20:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0808SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	222198		
182	96.2		76.0	114.0
145	32.1		25.2	37.8

