

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082718\
 Data File : VW004963.D
 Acq On : 27 Aug 2018 09:47
 Operator : SY/AP
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB84

Quant Time: Aug 28 01:37:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM082218S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Aug 27 02:42:51 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	578606	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.64	117	586166	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	311188	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	204309	18.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.72%
7) Chloroethane-d5	2.89	69	157458	19.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.68%
10) 1,1-Dichloroethene-d2	4.03	63	271181	19.42	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	77.68%
20) 2-Butanone-d5	7.09	46	104587	46.99	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.98%
24) Chloroform-d	7.66	84	261449	20.35	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	81.40%
26) 1,2-Dichloroethane-d4	8.31	65	145767	20.88	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	83.52%
29) Benzene-d6	8.28	84	662060	21.96	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	87.84%
33) 1,2-Dichloropropane-d6	9.28	67	185491	20.94	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	83.76%
37) Toluene-d8	10.33	98	709095	22.20	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.80%
38) trans-1,3-Dichloropropene-	10.59	79	81150	21.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.16%
39) 2-Hexanone-d5	10.93	63	108184	49.29	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.58%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	206328	23.18	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	92.72%
61) 1,2-Dichlorobenzene-d4	13.87	152	277788	22.22	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	88.88%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.00	85	238981	21.957 ug/L	99
3) Chloromethane	2.22	50	266521	21.607 ug/L	96
5) Vinyl chloride	2.36	62	267114	21.381 ug/L	99
6) Bromomethane	2.78	94	154050	23.539 ug/L	99
8) Chloroethane	2.93	64	152167	21.795 ug/L	98
9) Trichlorofluoromethane	3.27	101	263566	20.848 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	169592	22.426 ug/L	97
12) 1,1-Dichloroethene	4.05	96	145735	21.634 ug/L	91
13) Acetone	4.15	43	68024	39.456 ug/L	98
14) Carbon disulfide	4.39	76	551367	19.754 ug/L	100
15) Methyl Acetate	4.69	43	89272	22.900 ug/L	95
16) Methylene chloride	4.93	84	219596	19.572 ug/L	95
17) Methyl tert-butyl Ether	5.43	73	346988	23.847 ug/L	99
18) trans-1,2-Dichloroethene	5.43	96	158830	22.643 ug/L	99
19) 1,1-Dichloroethane	6.23	63	272048	21.247 ug/L	96
21) 2-Butanone	7.18	43	113683	42.823 ug/L	98
22) cis-1,2-Dichloroethene	7.18	96	168893	22.313 ug/L	95

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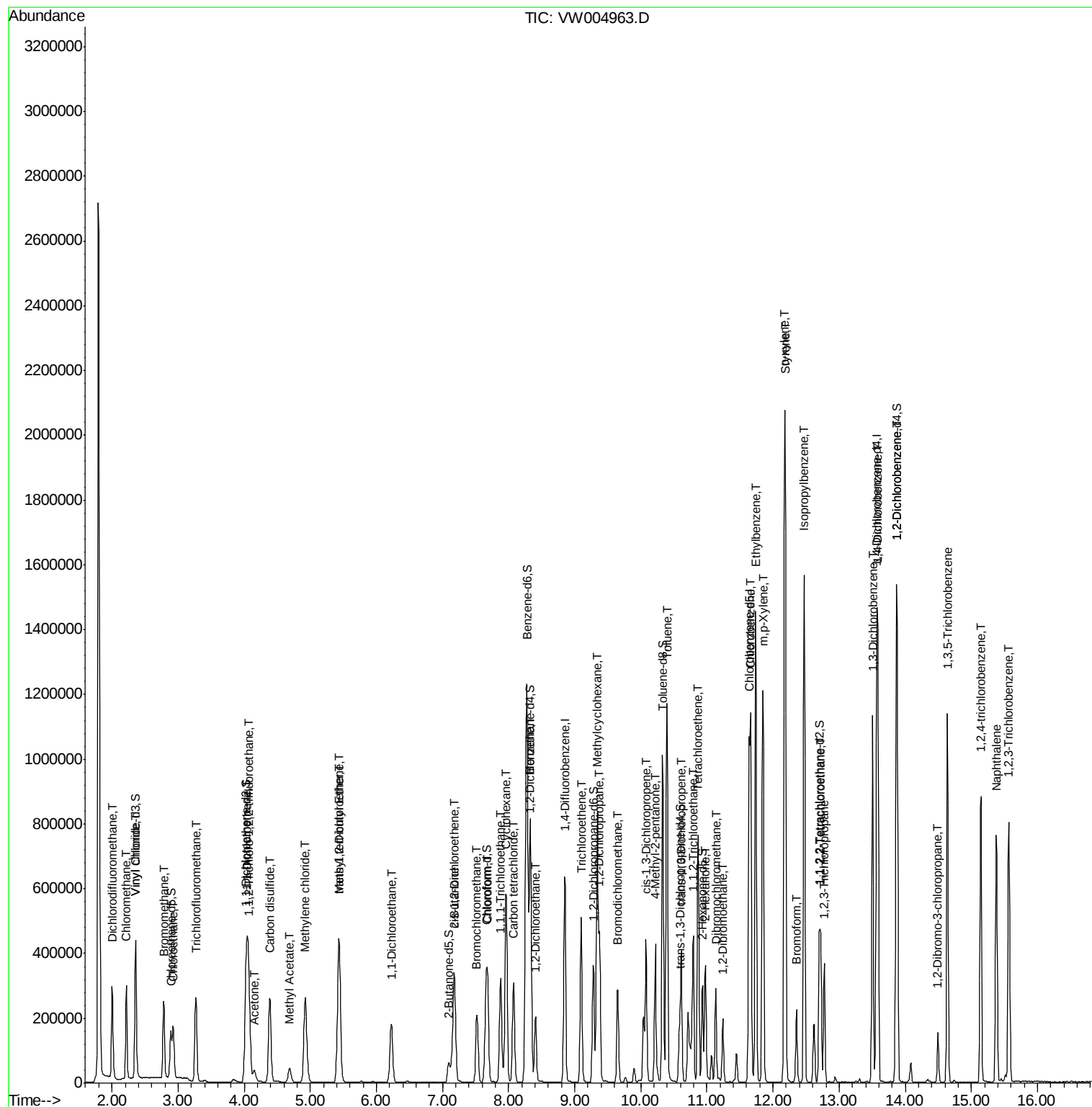
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	83397	20.865	ug/L	93
25) Chloroform	7.68	83	279291	21.763	ug/L	100
27) 1,2-Dichloroethane	8.41	62	178497	21.220	ug/L	97
30) Cyclohexane	7.96	56	293840	23.549	ug/L	97
31) 1,1,1-Trichloroethane	7.88	97	261649	23.175	ug/L	98
32) Carbon tetrachloride	8.07	117	238831	23.650	ug/L	100
34) Benzene	8.33	78	755628	22.609	ug/L	100
35) Trichloroethene	9.10	95	183782	22.114	ug/L	98
36) Methylcyclohexane	9.34	83	345918	22.503	ug/L	99
40) 1,2-Dichloropropane	9.37	63	178416	21.701	ug/L	99
41) Bromodichloromethane	9.65	83	202588	22.363	ug/L	100
42) cis-1,3-Dichloropropene	10.08	75	254189	22.273	ug/L	100
43) 4-Methyl-2-pentanone	10.22	43	277896	45.788	ug/L	98
44) Toluene	10.40	91	927902	23.118	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	230821	22.300	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	143429	22.351	ug/L	98
47) Tetrachloroethene	10.87	164	189510	23.292	ug/L	96
49) 2-Hexanone	10.98	43	222543	47.449	ug/L	98
50) Dibromochloromethane	11.13	129	158252	22.212	ug/L	99
51) 1,2-Dibromoethane	11.24	107	138381	21.967	ug/L	97
52) Chlorobenzene	11.66	112	605309	22.702	ug/L	98
53) Ethylbenzene	11.74	91	1048723	23.220	ug/L	99
54) m,p-Xylene	11.85	106	419089	23.919	ug/L	97
55) o-xylene	12.18	106	392937	24.002	ug/L	97
56) Styrene	12.19	104	670419	23.835	ug/L	99
57) Isopropylbenzene	12.47	105	1050775	24.030	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	205213	22.437	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	159548	22.639	ug/L	99
62) Bromoform	12.35	173	109236	22.139	ug/L	100
63) 1,3-Dichlorobenzene	13.51	146	489945	22.853	ug/L	95
64) 1,4-Dichlorobenzene	13.59	146	508482	22.654	ug/L	98
65) 1,2-Dichlorobenzene	13.88	146	469368	22.849	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	37674	21.626	ug/L	96
67) 1,3,5-Trichlorobenzene	14.64	180	384350	22.405	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	313459	22.631	ug/L	99
69) Naphthalene	15.38	128	679946	24.150	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	299550	22.961	ug/L	99

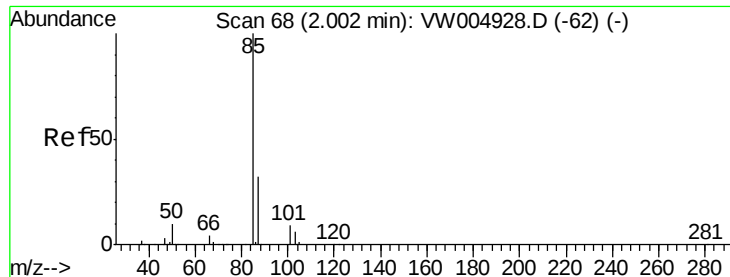
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 21.957 ug/L

RT: 2.00 min Scan# 68

Delta R.T. -0.00 min

Lab File: VW004963.D

Acq: 27 Aug 2018 09:47

Instrument :

MSVOA_W

ClientSampled :

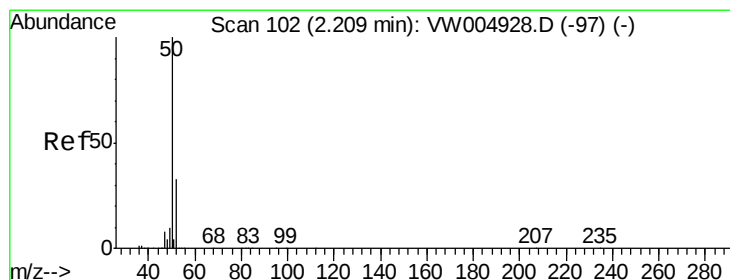
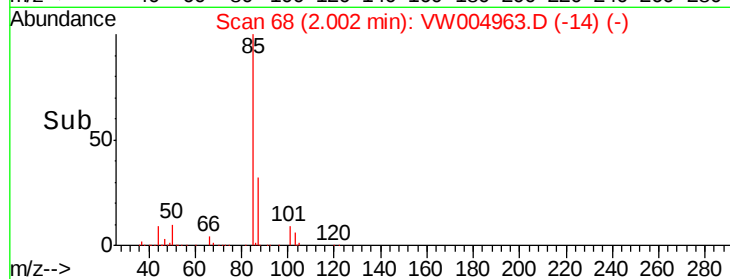
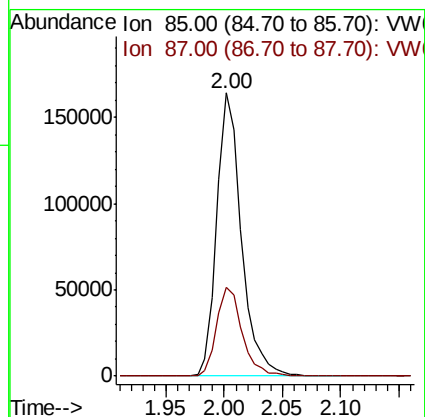
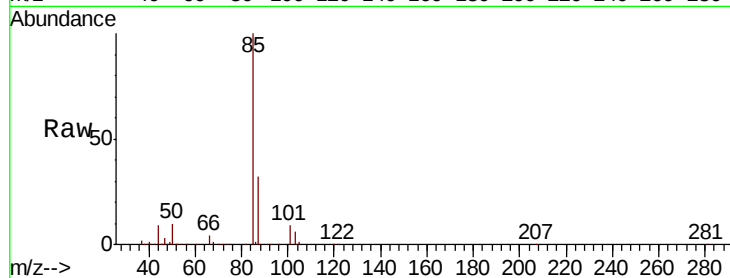
BFB84

Tgt Ion: 85 Resp: 238981

Ion Ratio Lower Upper

85 100

87 32.7 22.6 42.0



#3

Chloromethane

Concen: 21.607 ug/L

RT: 2.22 min Scan# 103

Delta R.T. -0.00 min

Lab File: VW004963.D

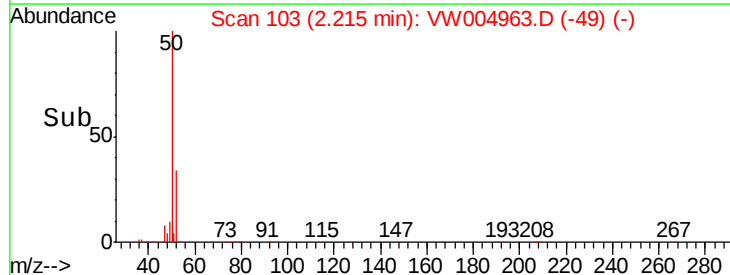
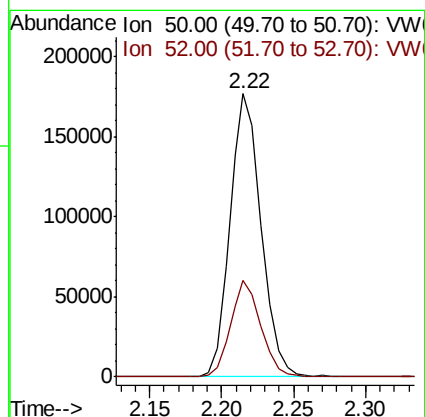
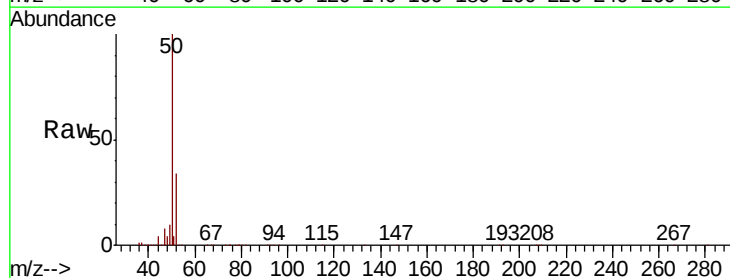
Acq: 27 Aug 2018 09:47

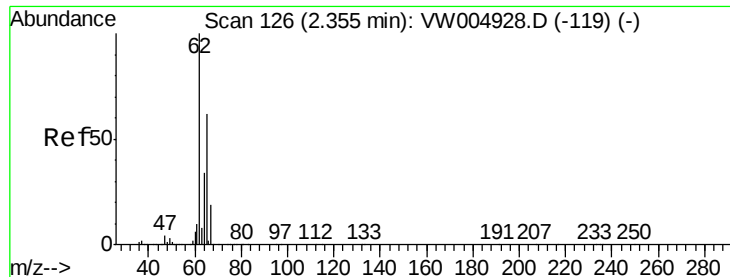
Tgt Ion: 50 Resp: 266521

Ion Ratio Lower Upper

50 100

52 34.3 22.5 41.9





#5

Vinyl chloride

Concen: 21.381 ug/L

RT: 2.36 min Scan# 127

Delta R.T. -0.00 min

Lab File: VW004963.D

Acq: 27 Aug 2018 09:47

Instrument :

MSVOA_W

ClientSampleId :

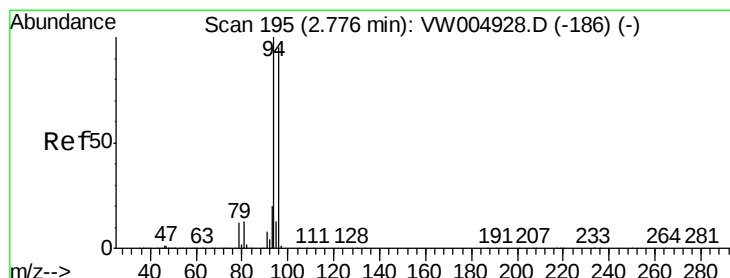
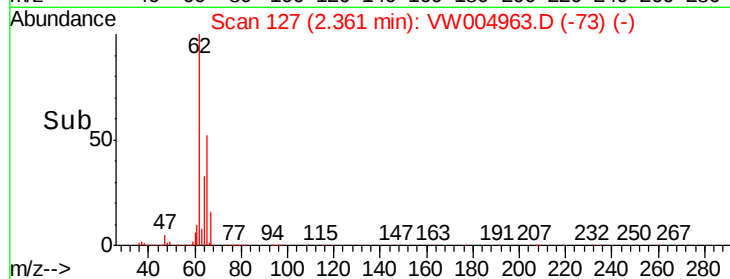
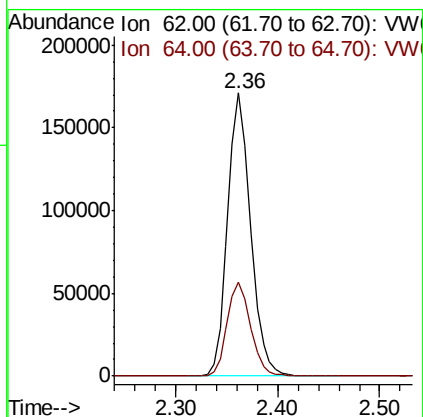
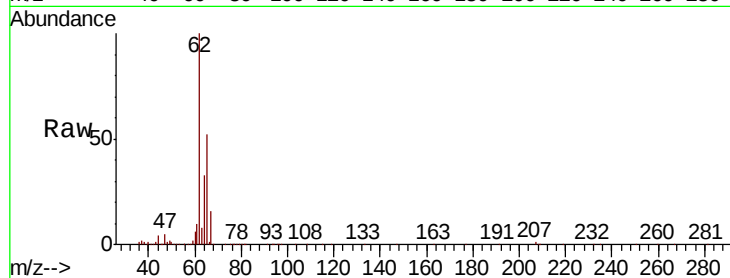
BFB84

Tgt Ion: 62 Resp: 267114

Ion Ratio Lower Upper

62 100

64 33.0 23.3 43.3



#6

Bromomethane

Concen: 23.539 ug/L

RT: 2.78 min Scan# 196

Delta R.T. -0.00 min

Lab File: VW004963.D

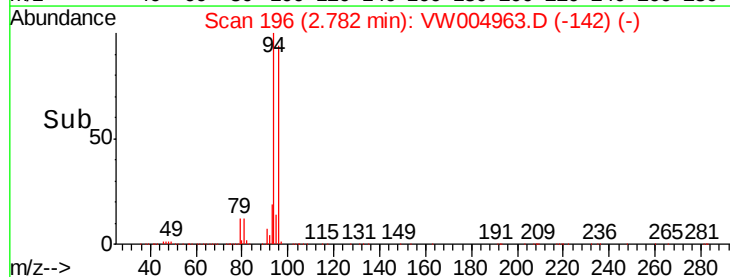
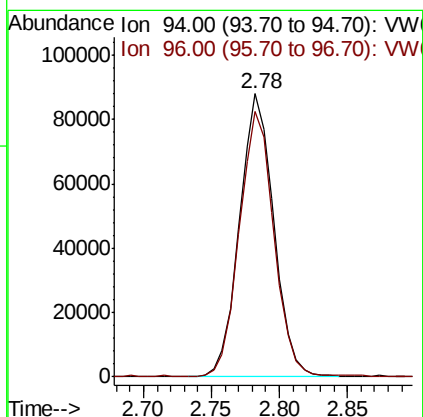
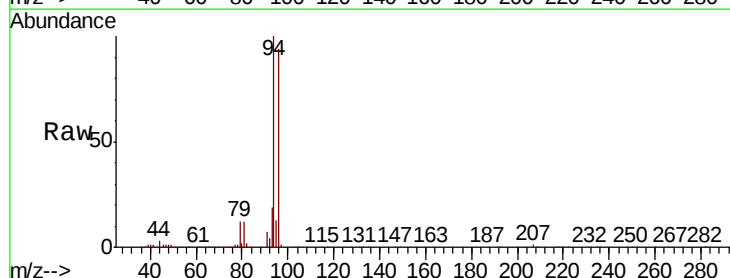
Acq: 27 Aug 2018 09:47

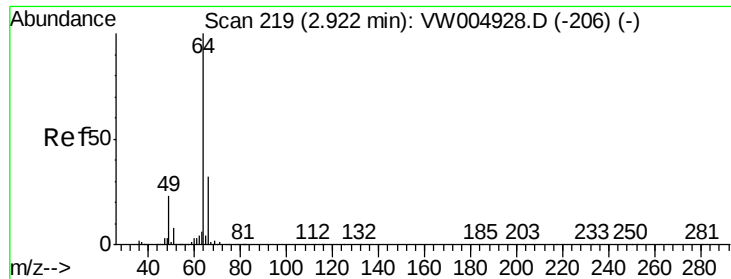
Tgt Ion: 94 Resp: 154050

Ion Ratio Lower Upper

94 100

96 94.7 9.3 177.7

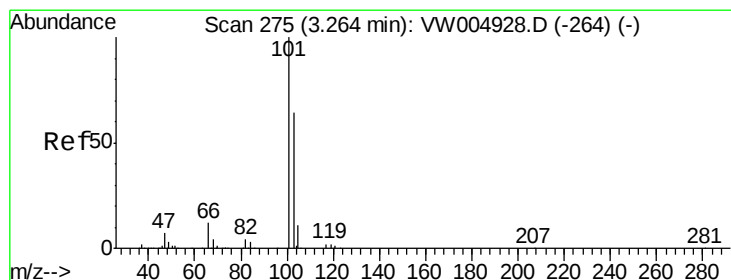
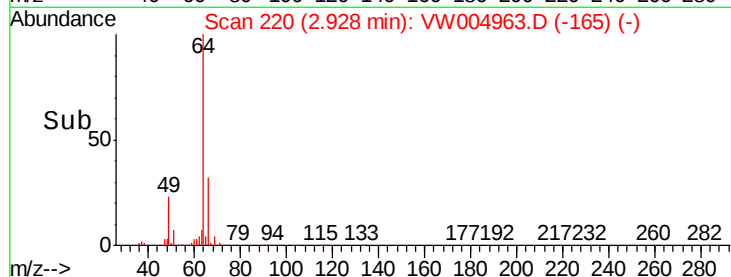
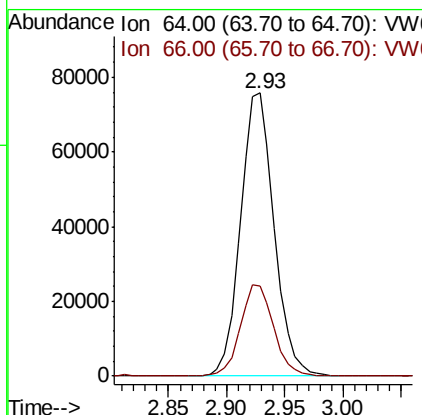
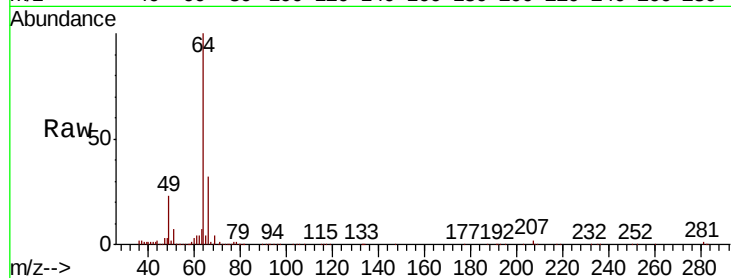




#8
Chloroethane
Concen: 21.795 ug/L
RT: 2.93 min Scan# 220
Delta R.T. 0.01 min
Lab File: VW004963.D
Acq: 27 Aug 2018 09:47

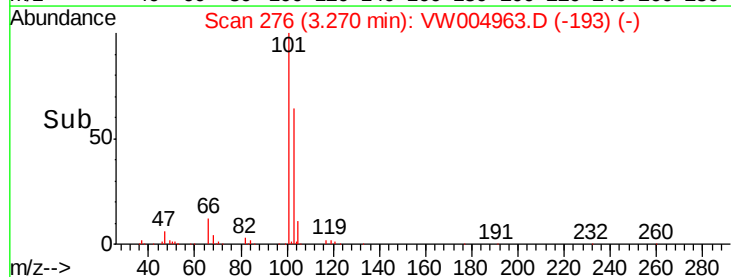
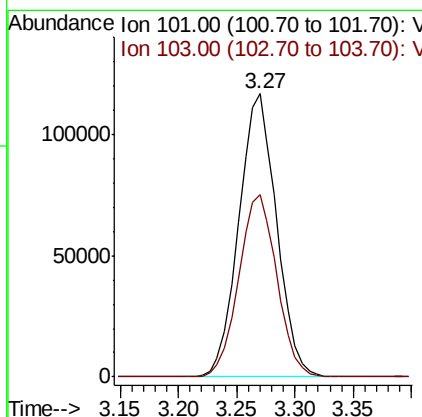
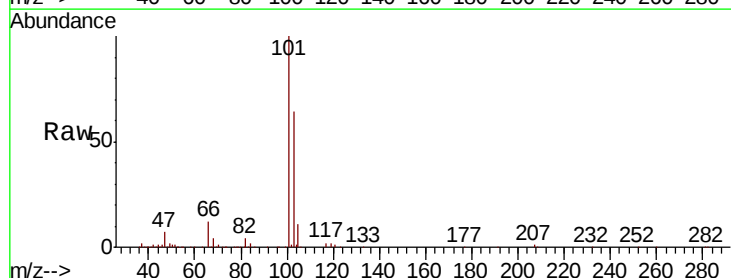
Instrument :
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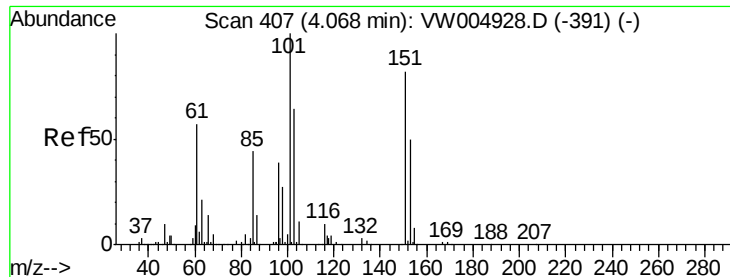
Tgt Ion: 64 Resp: 152167
Ion Ratio Lower Upper
64 100
66 31.7 21.5 39.9



#9
Trichlorofluoromethane
Concen: 20.848 ug/L
RT: 3.27 min Scan# 276
Delta R.T. 0.01 min
Lab File: VW004963.D
Acq: 27 Aug 2018 09:47

Tgt Ion: 101 Resp: 263566
Ion Ratio Lower Upper
101 100
103 65.0 45.1 83.7





#11

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

Concen: 22.426 ug/L

RT: 4.07 min Scan# 408

Delta R.T. 0.01 min

Lab File: VW004963.D

Acq: 27 Aug 2018 09:47

Instrument :

MSVOA_W

ClientSampleId :

BFB84

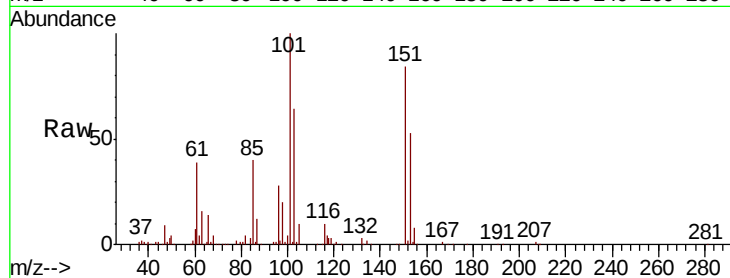
Tgt Ion:101 Resp: 169592

Ion Ratio Lower Upper

101 100

85 40.9 34.2 51.2

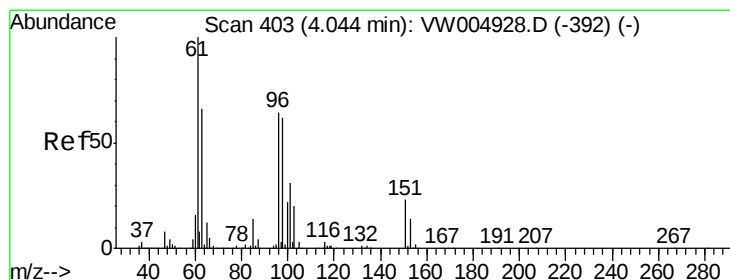
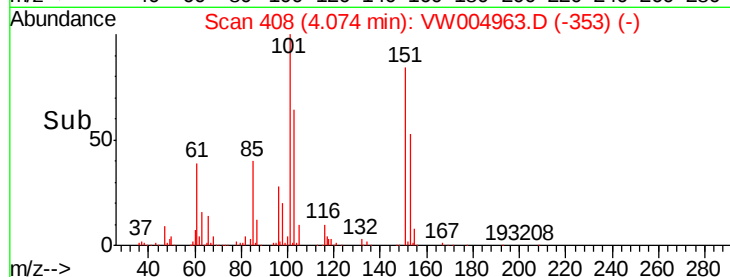
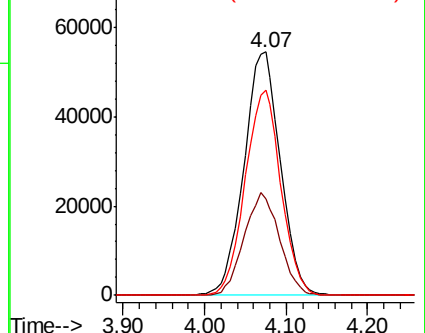
151 82.3 64.1 96.1



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: 21.634 ug/L

RT: 4.05 min Scan# 404

Delta R.T. -0.00 min

Lab File: VW004963.D

Acq: 27 Aug 2018 09:47

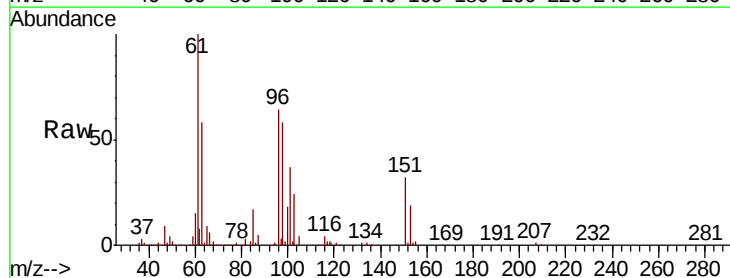
Tgt Ion: 96 Resp: 145735

Ion Ratio Lower Upper

96 100

61 155.7 107.0 198.8

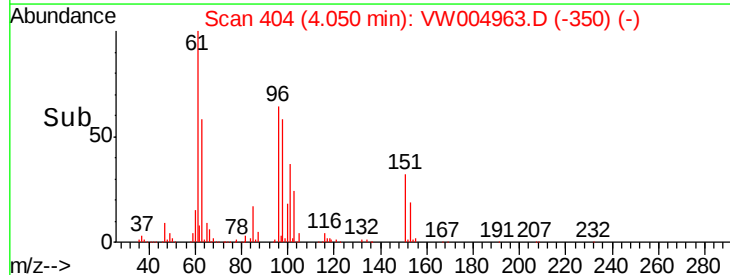
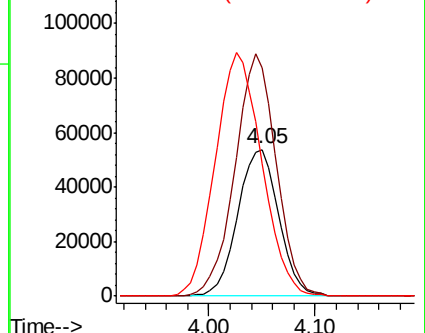
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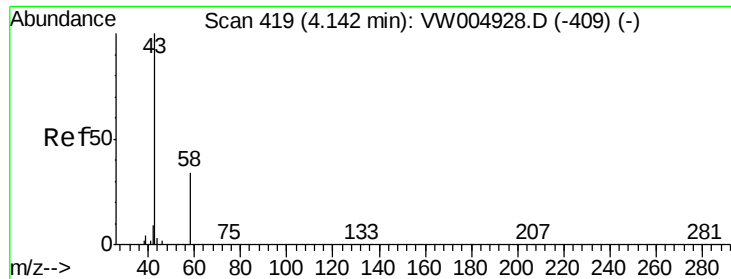


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW

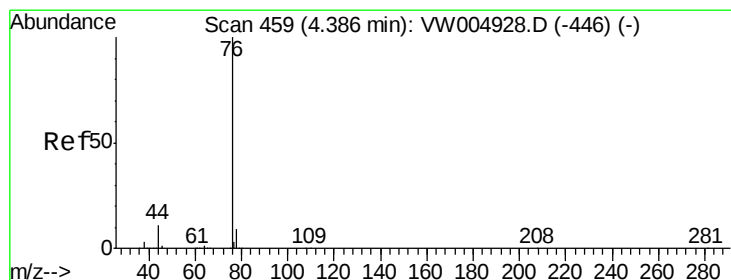
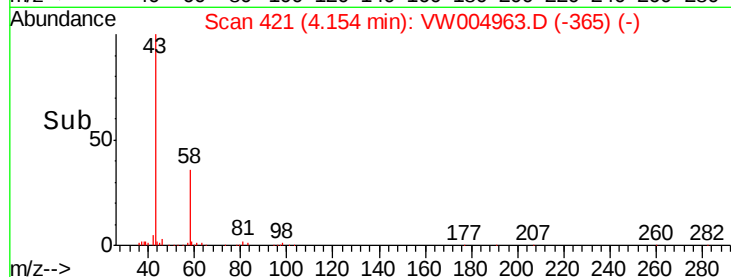
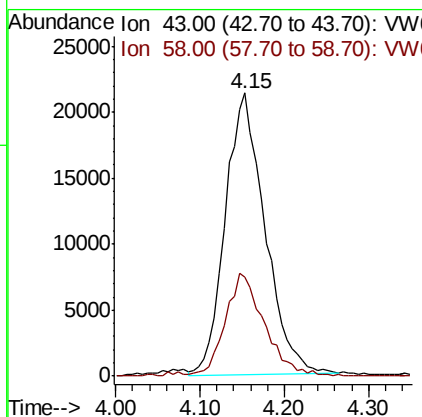
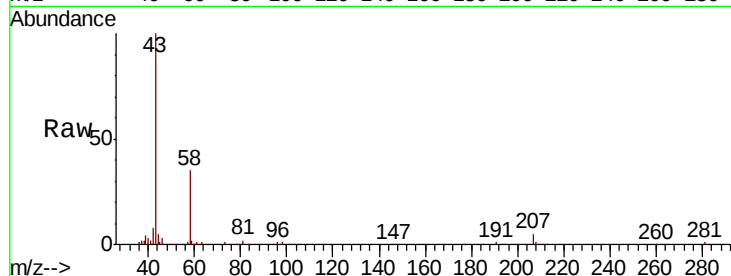




#13
Acetone
Concen: 39.456 ug/L
RT: 4.15 min Scan# 421
Delta R.T. 0.01 min
Lab File: VW004963.D
Acq: 27 Aug 2018 09:47

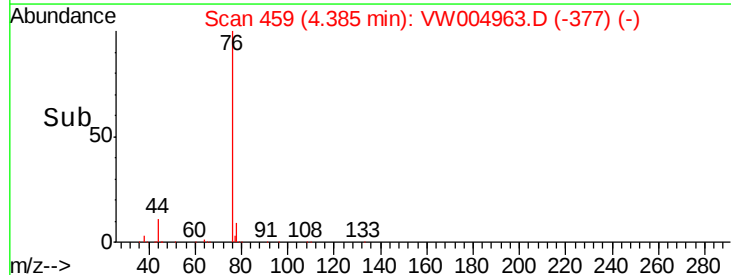
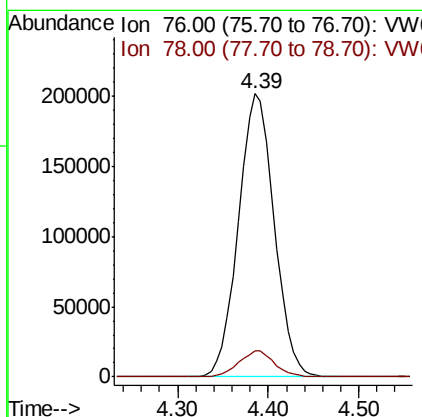
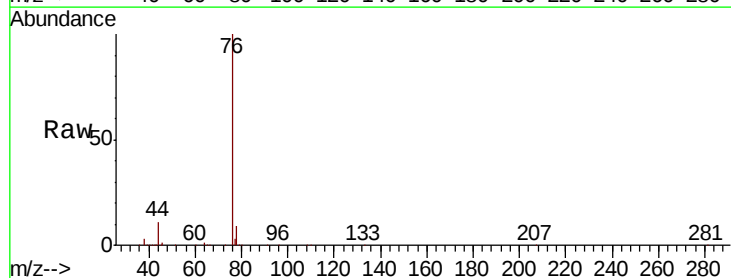
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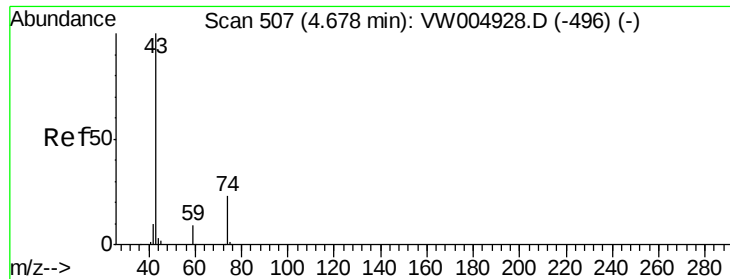
Tgt Ion: 43 Resp: 68024
Ion Ratio Lower Upper
43 100
58 33.3 0.0 69.4



#14
Carbon disulfide
Concen: 19.754 ug/L
RT: 4.39 min Scan# 459
Delta R.T. -0.00 min
Lab File: VW004963.D
Acq: 27 Aug 2018 09:47

Tgt Ion: 76 Resp: 551367
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.0

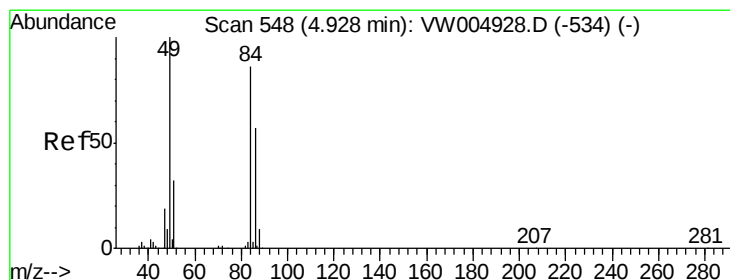
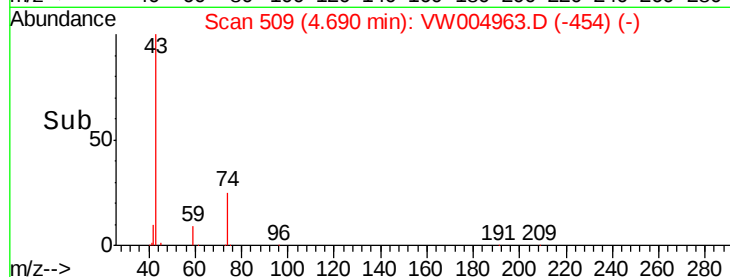
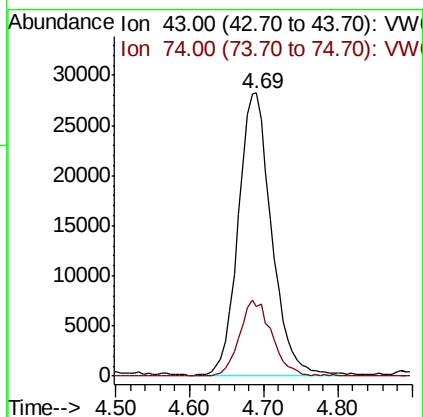
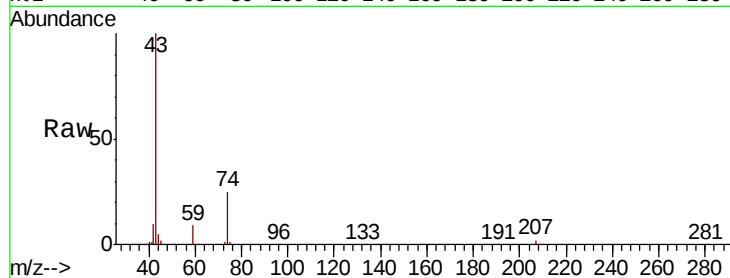




#15
Methyl Acetate
Concen: 22.900 ug/L
RT: 4.69 min Scan# 509
Delta R.T. 0.01 min
Lab File: VW004963.D
Acq: 27 Aug 2018 09:47

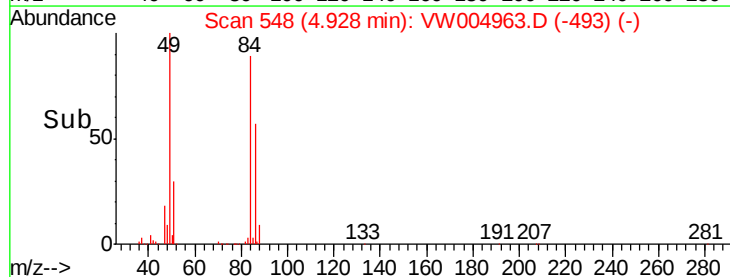
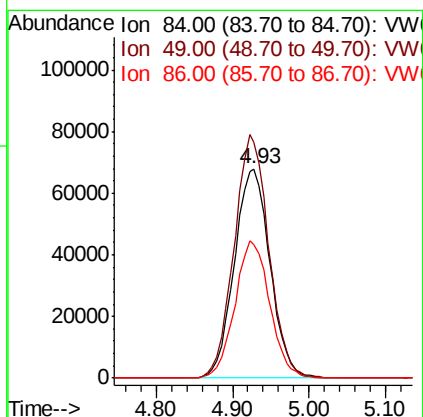
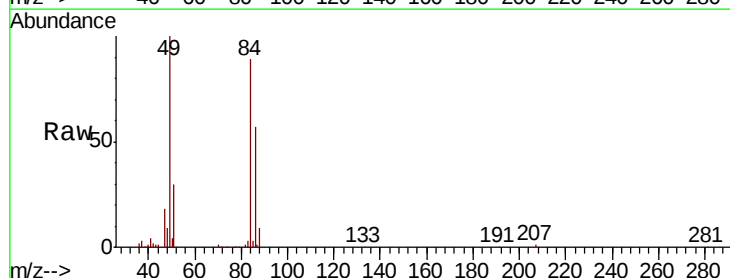
Instrument :
MSVOA_W
ClientSampleId :
BFB84

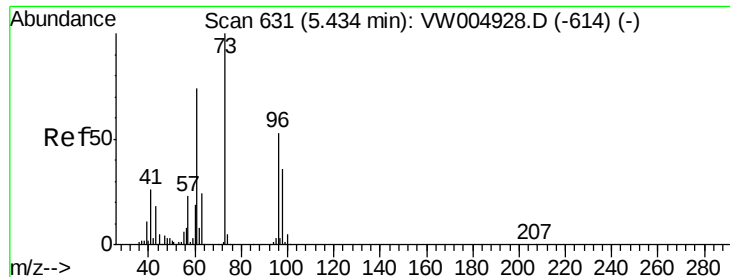
Tgt Ion: 43 Resp: 89272
Ion Ratio Lower Upper
43 100
74 25.9 18.6 27.8



#16
Methylene chloride
Concen: 19.572 ug/L
RT: 4.93 min Scan# 548
Delta R.T. 0.01 min
Lab File: VW004963.D
Acq: 27 Aug 2018 09:47

Tgt Ion: 84 Resp: 219596
Ion Ratio Lower Upper
84 100
49 112.7 83.8 155.6
86 63.8 42.6 79.0

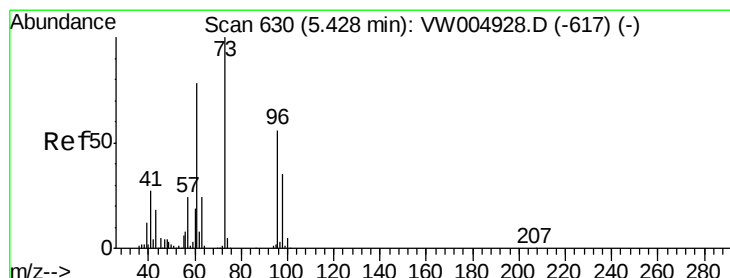
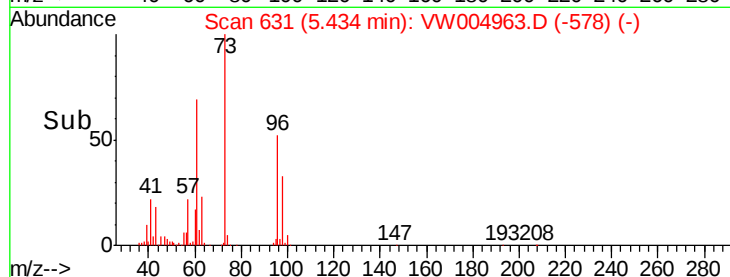
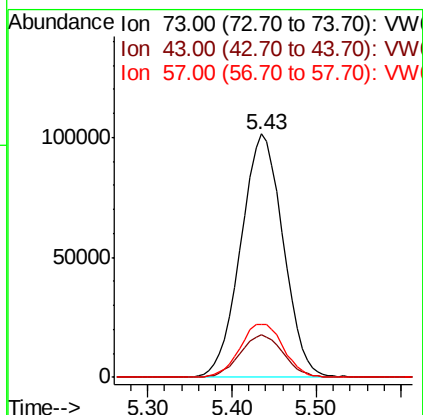
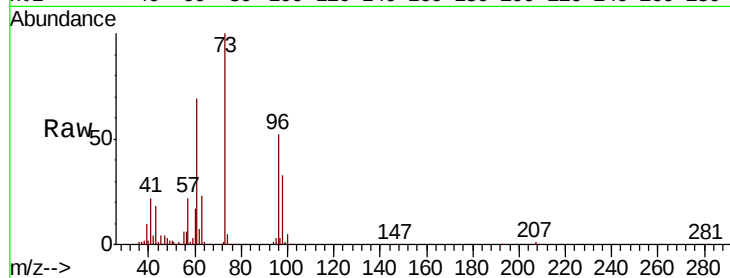




#17
Methyl tert-butyl Ether
Concen: 23.847 ug/L
RT: 5.43 min Scan# 631
Delta R.T. -0.01 min
Lab File: VW004963.D
Acq: 27 Aug 2018 09:47

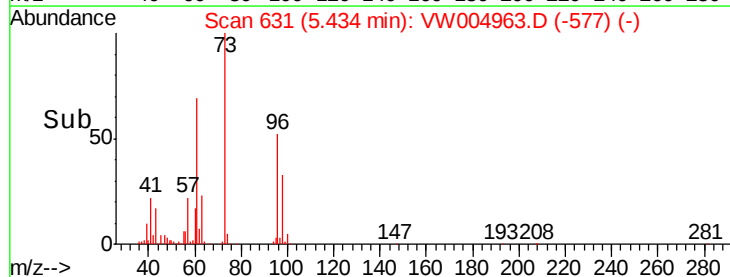
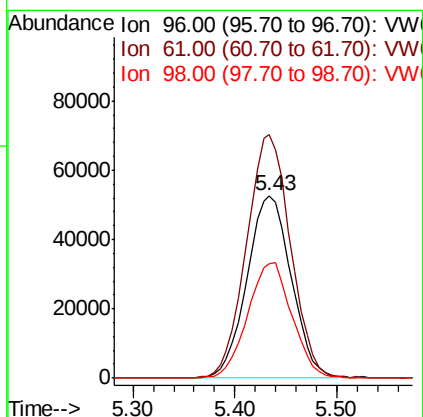
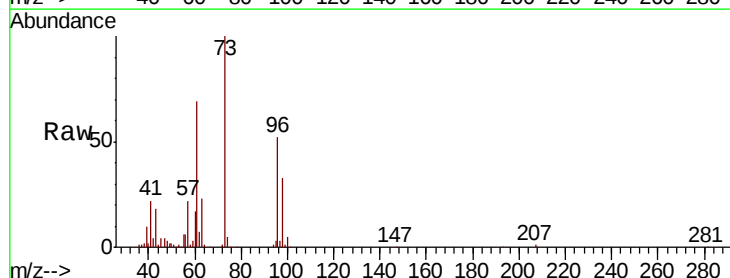
Instrument :
MSVOA_W
ClientSampled :
BFB84

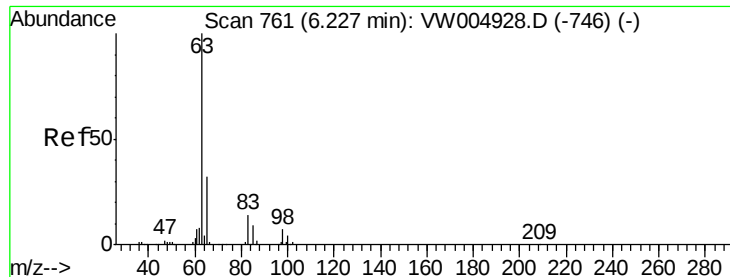
Tgt Ion: 73 Resp: 346988
Ion Ratio Lower Upper
73 100
43 17.8 14.6 22.0
57 22.7 18.2 27.4



#18
trans-1,2-Dichloroethene
Concen: 22.643 ug/L
RT: 5.43 min Scan# 631
Delta R.T. -0.00 min
Lab File: VW004963.D
Acq: 27 Aug 2018 09:47

Tgt Ion: 96 Resp: 158830
Ion Ratio Lower Upper
96 100
61 133.3 92.5 171.9
98 62.7 42.8 79.4

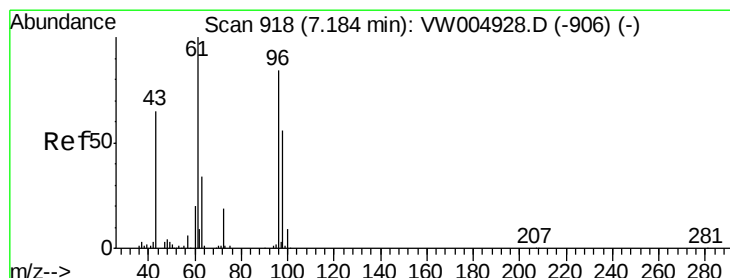
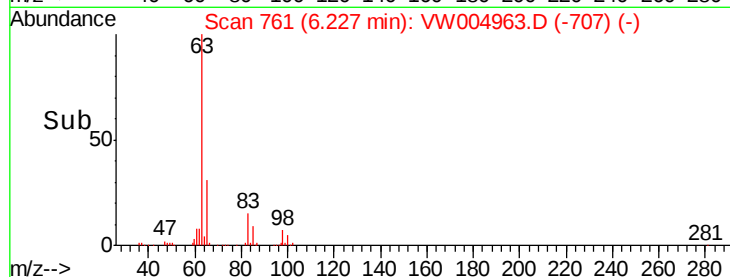
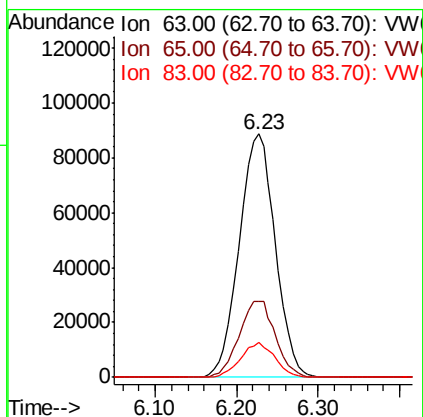
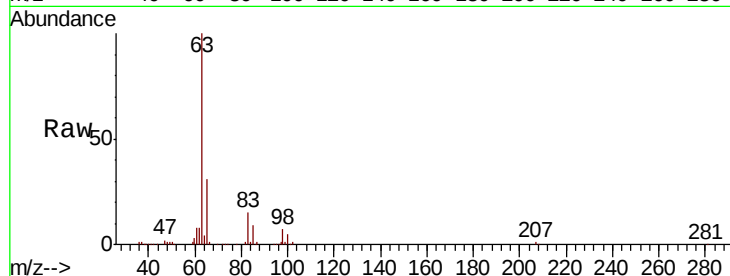




#19
 1,1-Dichloroethane
 Concen: 21.247 ug/L
 RT: 6.23 min Scan# 761
 Delta R.T. -0.00 min
 Lab File: VW004963.D
 Acq: 27 Aug 2018 09:47

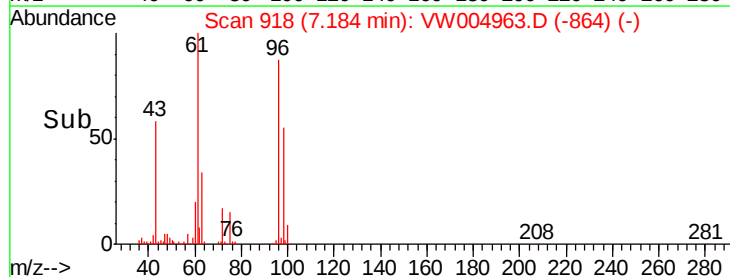
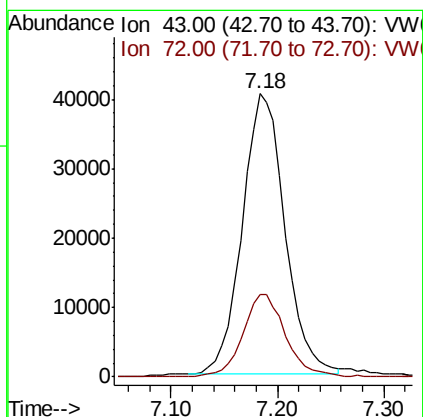
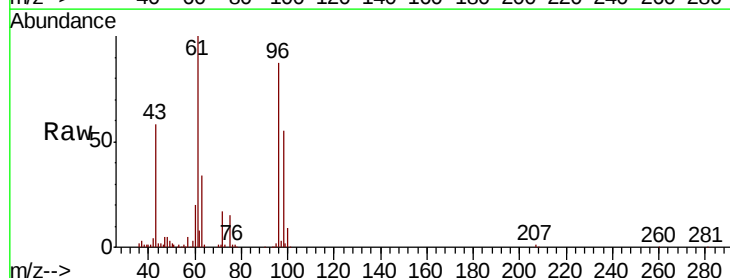
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB84

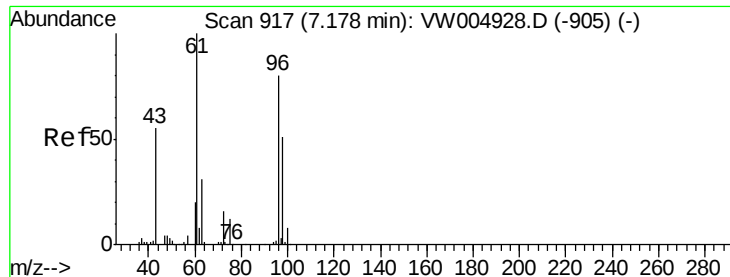
Tgt Ion: 63 Resp: 272048
 Ion Ratio Lower Upper
 63 100
 65 31.1 20.5 38.1
 83 14.6 8.8 16.4



#21
 2-Butanone
 Concen: 42.823 ug/L
 RT: 7.18 min Scan# 918
 Delta R.T. -0.00 min
 Lab File: VW004963.D
 Acq: 27 Aug 2018 09:47

Tgt Ion: 43 Resp: 113683
 Ion Ratio Lower Upper
 43 100
 72 29.4 14.2 42.8



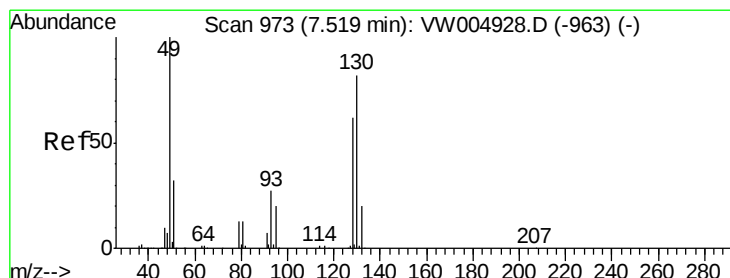
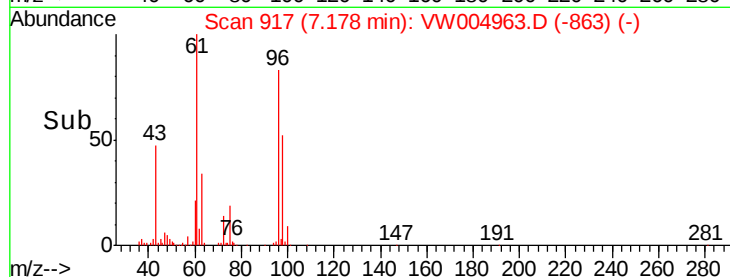
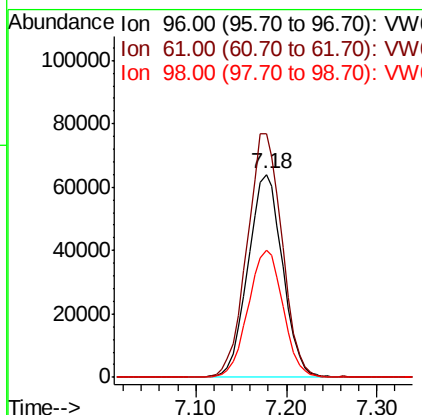
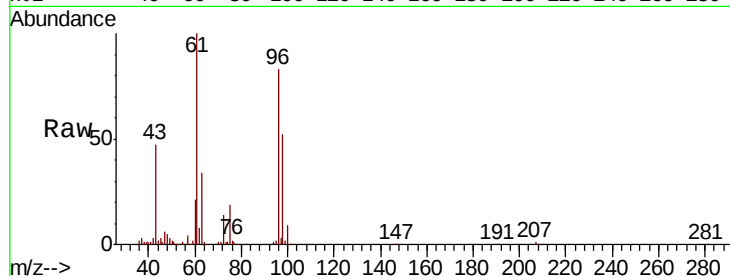


#22

cis-1,2-Dichloroethene
 Concen: 22.313 ug/L
 RT: 7.18 min Scan# 917
 Delta R.T. -0.00 min
 Lab File: VW004963.D
 Acq: 27 Aug 2018 09:47

Instrument :
 MSVOA_W
 ClientSampled :
 BFB84

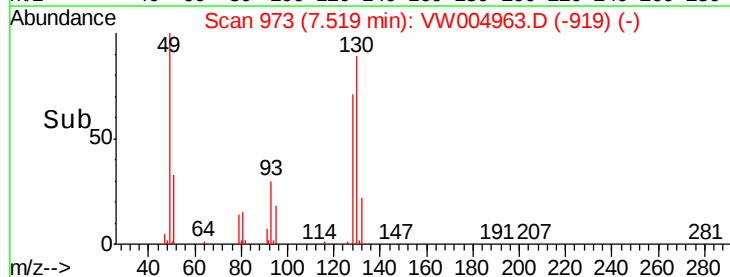
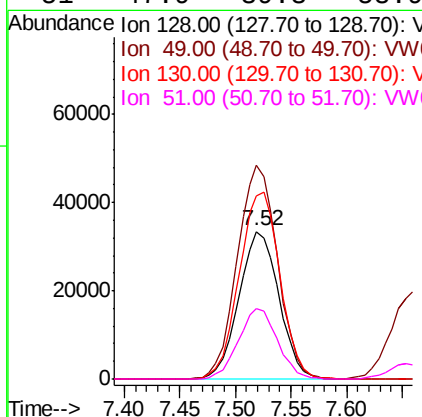
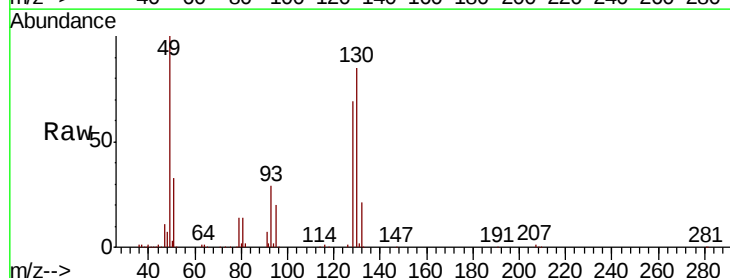
Tgt Ion: 96 Resp: 168893
 Ion Ratio Lower Upper
 96 100
 61 120.2 89.7 166.7
 98 62.7 45.0 83.6

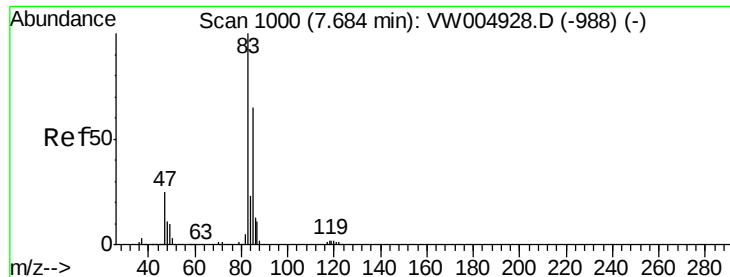


#23

Bromochloromethane
 Concen: 20.865 ug/L
 RT: 7.52 min Scan# 973
 Delta R.T. -0.00 min
 Lab File: VW004963.D
 Acq: 27 Aug 2018 09:47

Tgt Ion: 128 Resp: 83397
 Ion Ratio Lower Upper
 128 100
 49 145.1 111.3 206.7
 130 124.0 90.2 167.6
 51 47.9 39.3 58.9





#25

Chloroform

Concen: 21.763 ug/L

RT: 7.68 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VW004963.D

Acq: 27 Aug 2018 09:47

Instrument :

MSVOA_W

ClientSampleId :

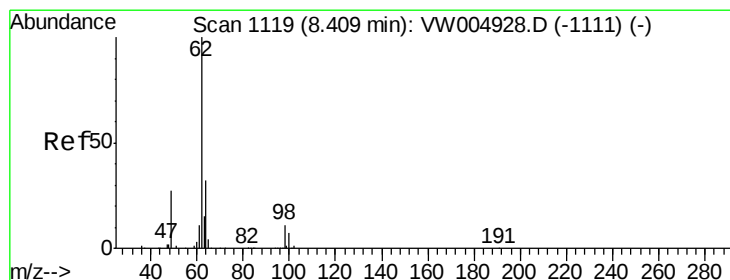
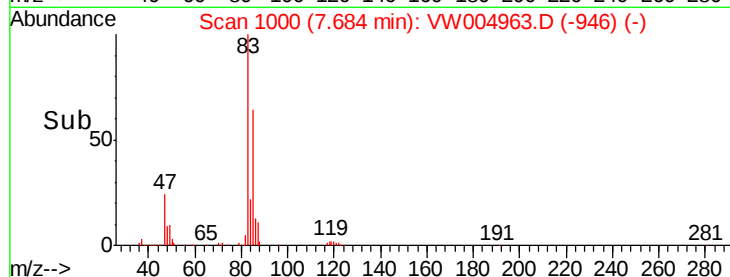
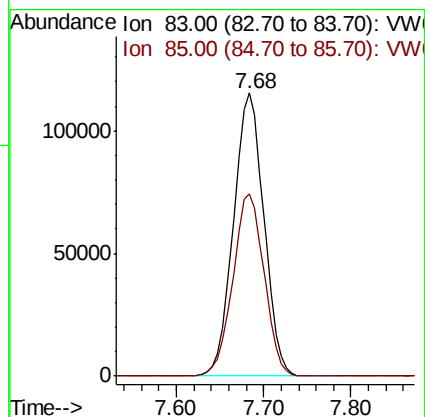
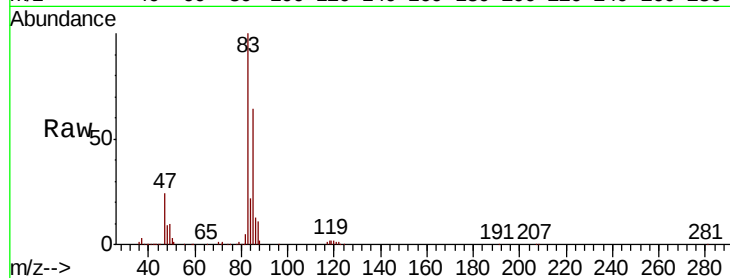
BFB84

Tgt Ion: 83 Resp: 279291

Ion Ratio Lower Upper

83 100

85 66.1 46.3 85.9



#27

1,2-Dichloroethane

Concen: 21.220 ug/L

RT: 8.41 min Scan# 1119

Delta R.T. 0.01 min

Lab File: VW004963.D

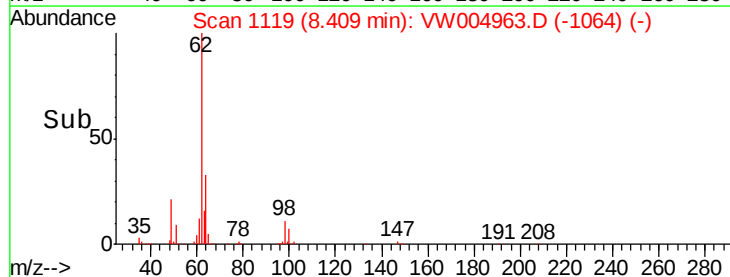
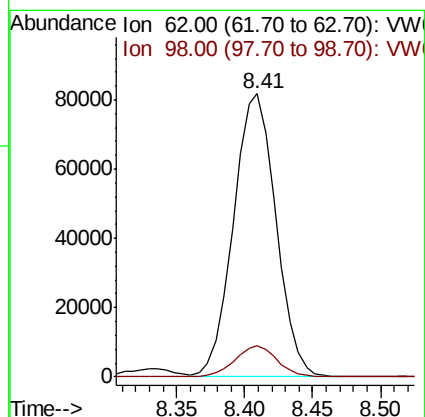
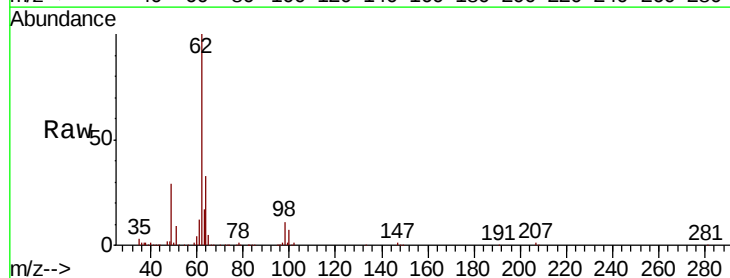
Acq: 27 Aug 2018 09:47

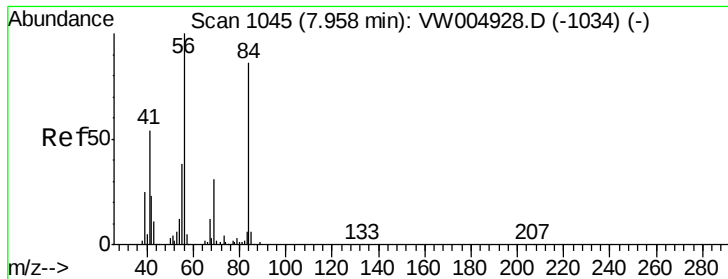
Tgt Ion: 62 Resp: 178497

Ion Ratio Lower Upper

62 100

98 11.0 8.0 12.0

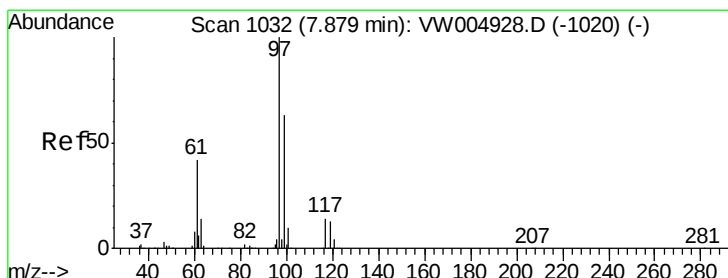
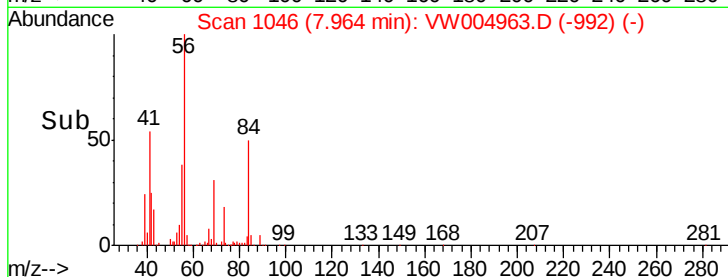
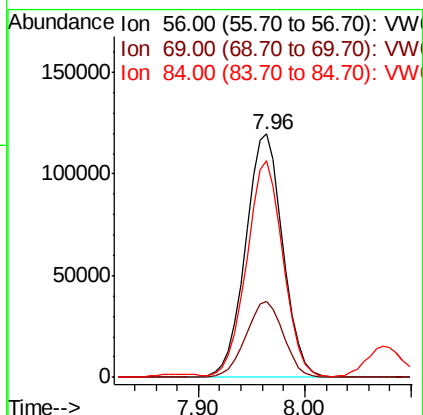
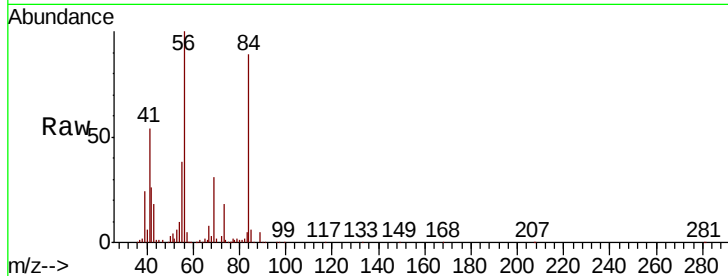




#30
Cyclohexane
Concen: 23.549 ug/L
RT: 7.96 min Scan# 1046
Delta R.T. -0.00 min
Lab File: VW004963.D
Acq: 27 Aug 2018 09:47

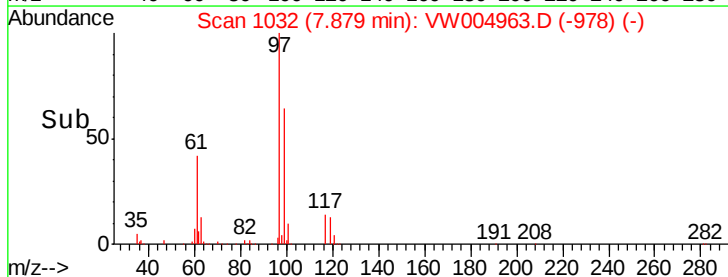
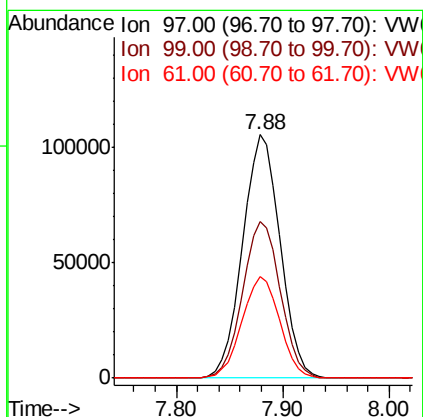
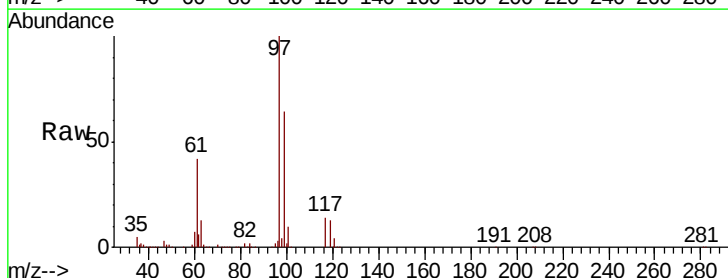
Instrument :
MSVOA_W
ClientSampleId :
BFB84

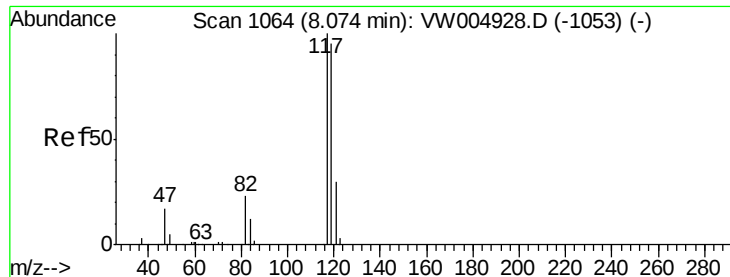
Tgt Ion: 56 Resp: 293840
Ion Ratio Lower Upper
56 100
69 31.4 24.1 36.1
84 87.3 67.7 101.5



#31
1,1,1-Trichloroethane
Concen: 23.175 ug/L
RT: 7.88 min Scan# 1032
Delta R.T. -0.00 min
Lab File: VW004963.D
Acq: 27 Aug 2018 09:47

Tgt Ion: 97 Resp: 261649
Ion Ratio Lower Upper
97 100
99 64.8 51.2 76.8
61 42.0 34.9 52.3





#32

Carbon tetrachloride

Concen: 23.650 ug/L

RT: 8.07 min Scan# 1064

Delta R.T. -0.00 min

Lab File: VW004963.D

Acq: 27 Aug 2018 09:47

Instrument :

MSVOA_W

ClientSampled :

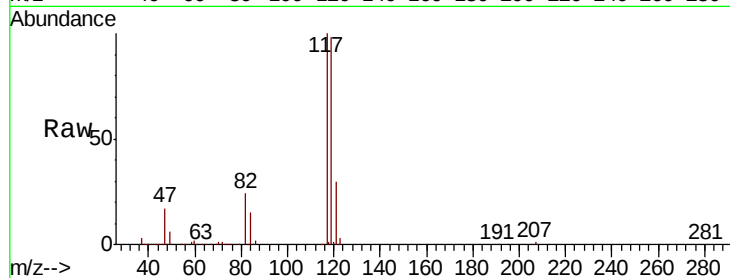
BFB84

Tgt Ion:117 Resp: 238831

Ion Ratio Lower Upper

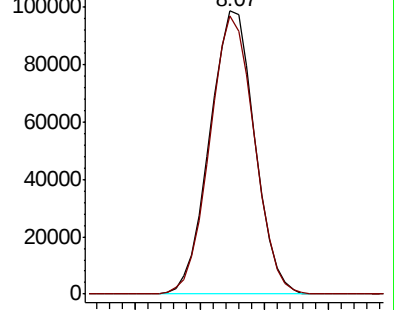
117 100

119 97.4 78.2 117.4

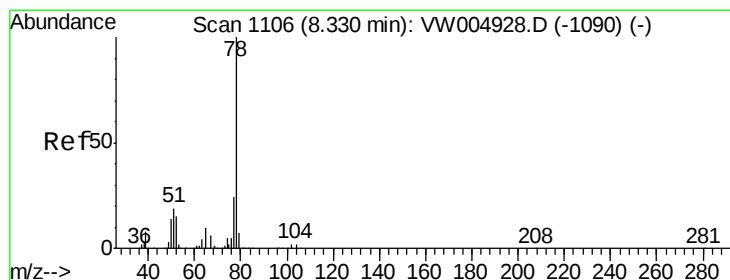
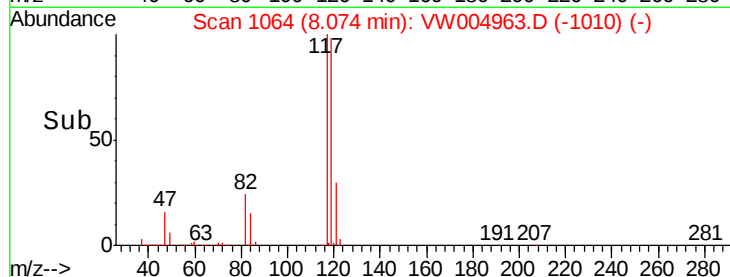


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



Time-->



#34

Benzene

Concen: 22.609 ug/L

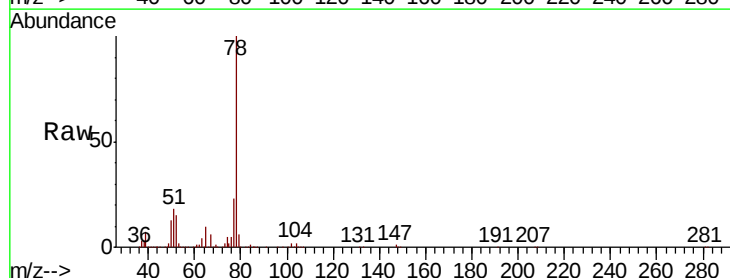
RT: 8.33 min Scan# 1106

Delta R.T. -0.00 min

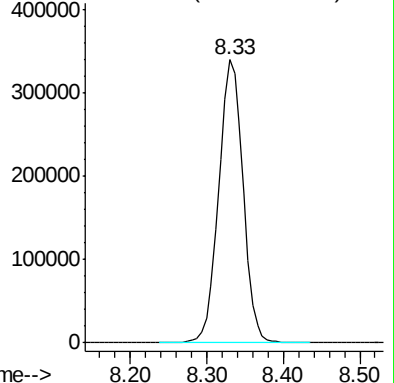
Lab File: VW004963.D

Acq: 27 Aug 2018 09:47

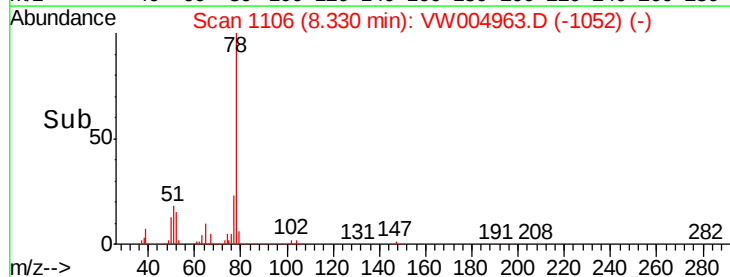
Tgt Ion: 78 Resp: 755628

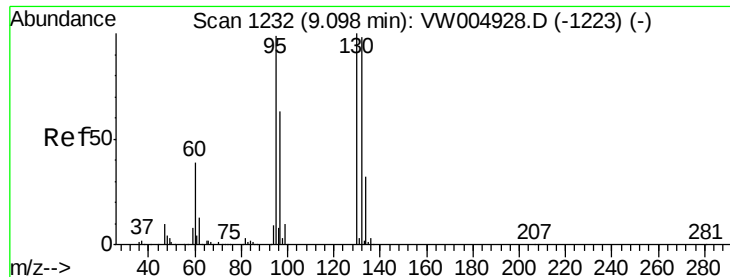


Abundance Ion 78.00 (77.70 to 78.70): VW



Time-->





#35

Trichloroethene

Concen: 22.114 ug/L

RT: 9.10 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VW004963.D

Acq: 27 Aug 2018 09:47

Instrument :

MSVOA_W

ClientSampleId :

BFB84

Tgt Ion: 95 Resp: 183782

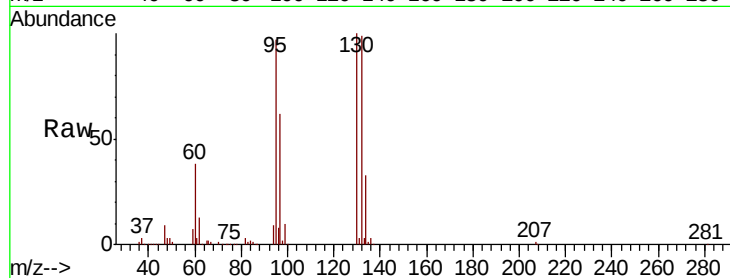
Ion Ratio Lower Upper

95 100

97 65.6 45.9 85.3

132 101.5 69.2 128.4

130 105.5 72.7 135.1

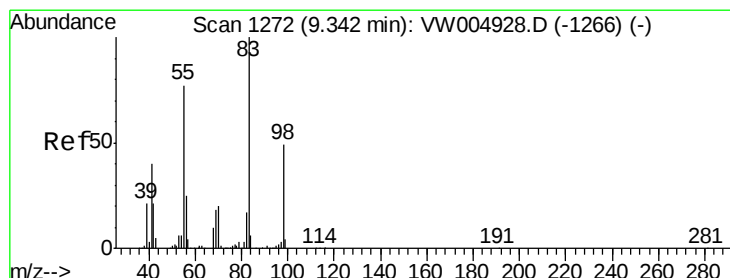
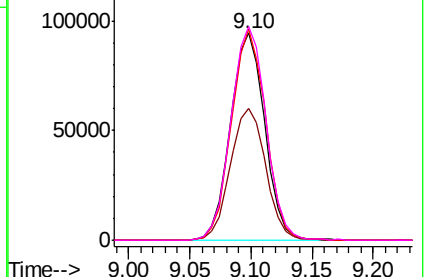
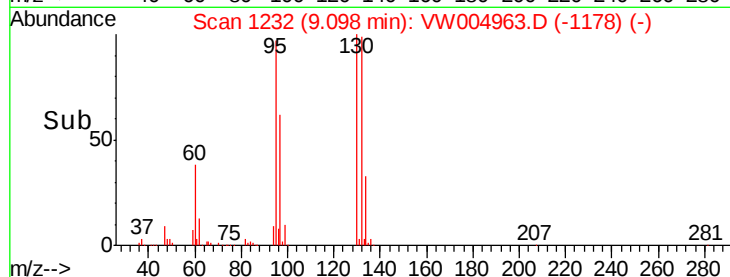


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 22.503 ug/L

RT: 9.34 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VW004963.D

Acq: 27 Aug 2018 09:47

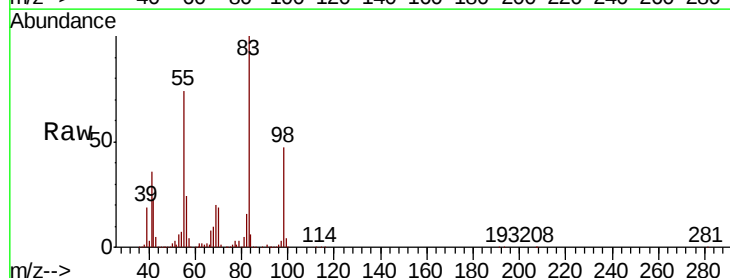
Tgt Ion: 83 Resp: 345918

Ion Ratio Lower Upper

83 100

55 74.9 61.1 91.7

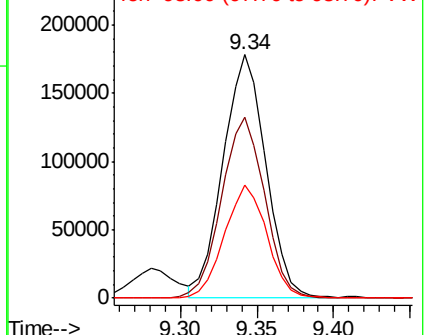
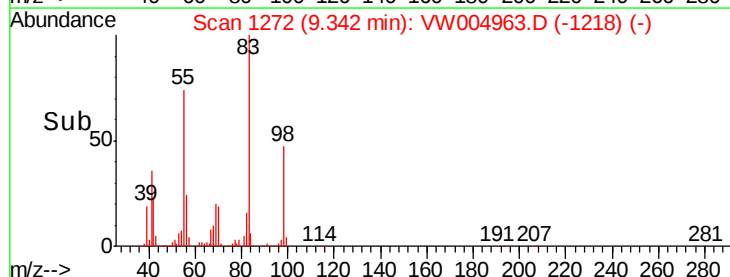
98 45.9 37.0 55.4

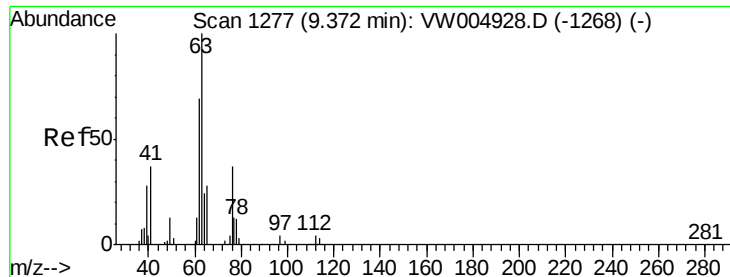


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

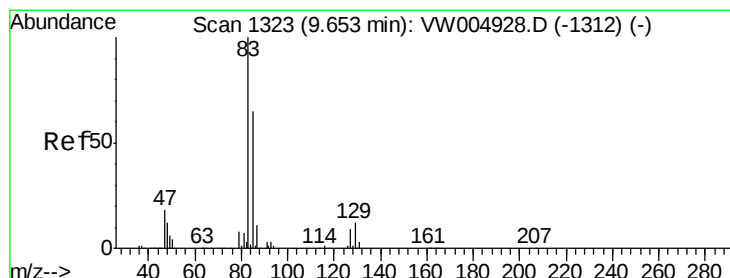
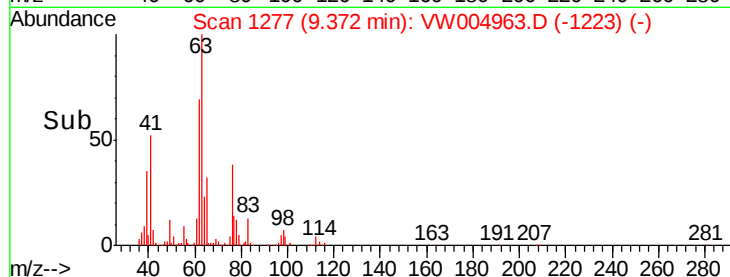
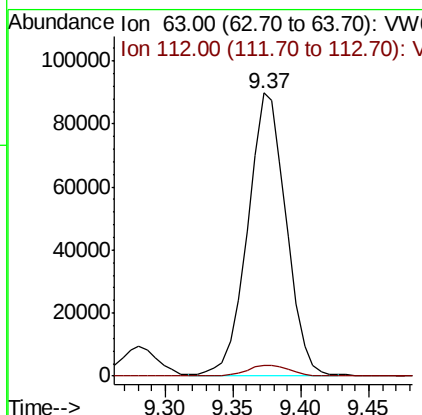
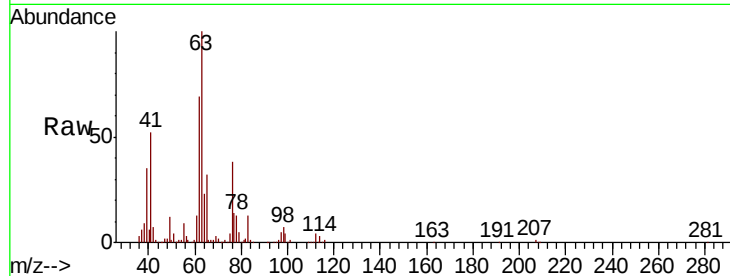




#40
 1,2-Dichloropropane
 Concen: 21.701 ug/L
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VW004963.D
 Acq: 27 Aug 2018 09:47

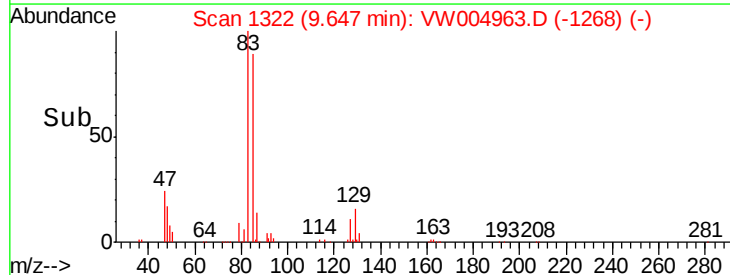
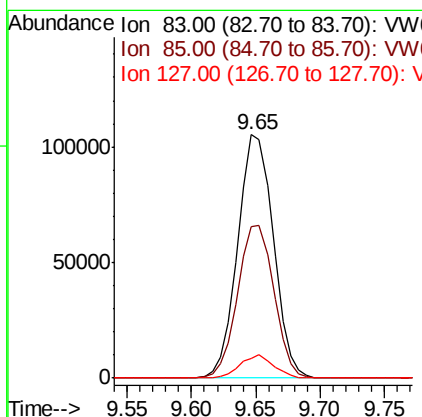
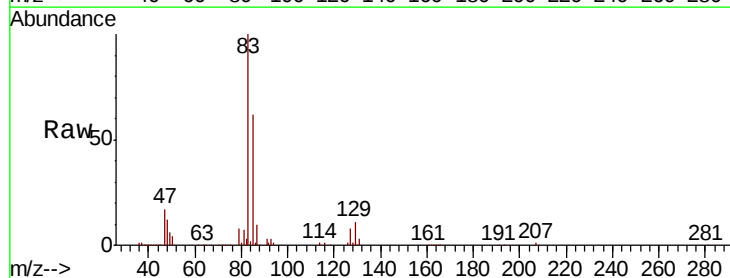
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB84

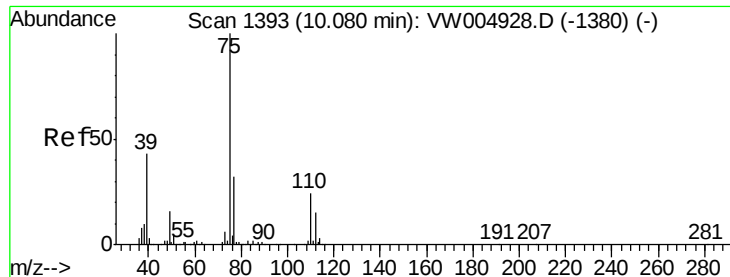
Tgt Ion: 63 Resp: 178416
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.2 4.8



#41
 Bromodichloromethane
 Concen: 22.363 ug/L
 RT: 9.65 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VW004963.D
 Acq: 27 Aug 2018 09:47

Tgt Ion: 83 Resp: 202588
 Ion Ratio Lower Upper
 83 100
 85 62.4 43.6 81.0
 127 7.9 7.0 10.6





#42

cis-1,3-Dichloropropene

Concen: 22.273 ug/L

RT: 10.08 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW004963.D

Acq: 27 Aug 2018 09:47

Instrument :

MSVOA_W

ClientSampled :

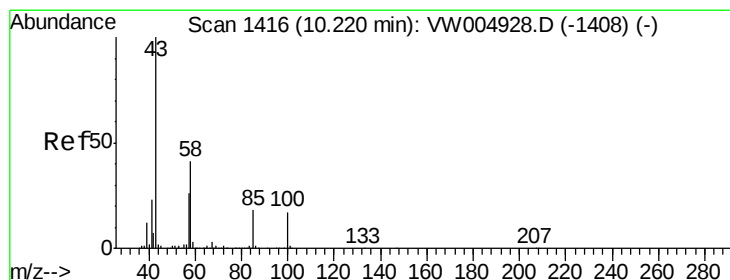
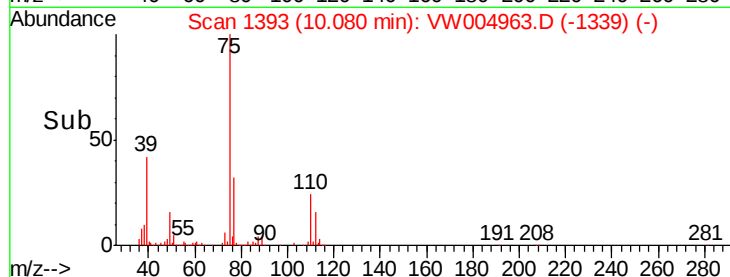
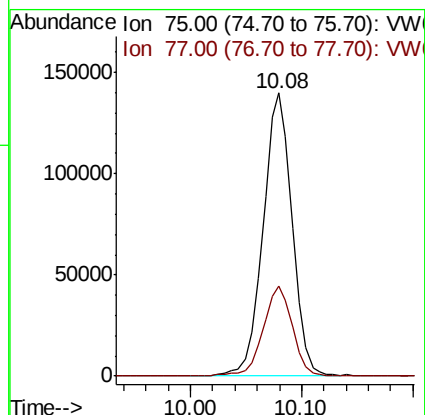
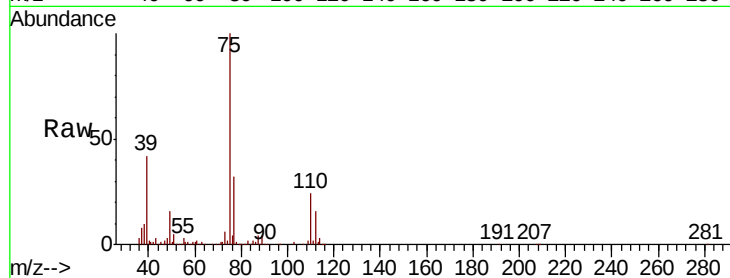
BFB84

Tgt Ion: 75 Resp: 254189

Ion Ratio Lower Upper

75 100

77 31.8 22.4 41.6



#43

4-Methyl-2-pentanone

Concen: 45.788 ug/L

RT: 10.22 min Scan# 1416

Delta R.T. 0.01 min

Lab File: VW004963.D

Acq: 27 Aug 2018 09:47

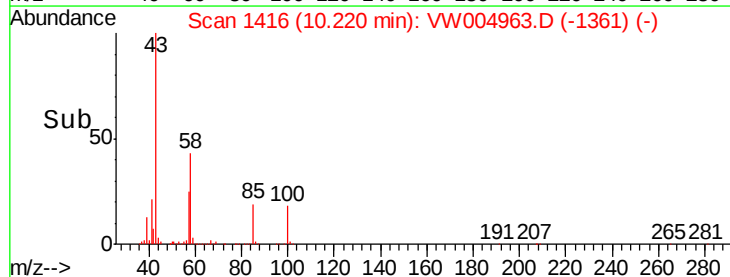
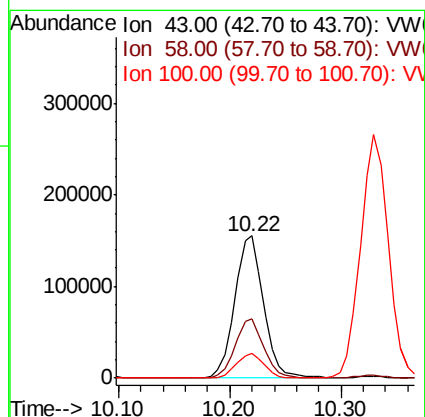
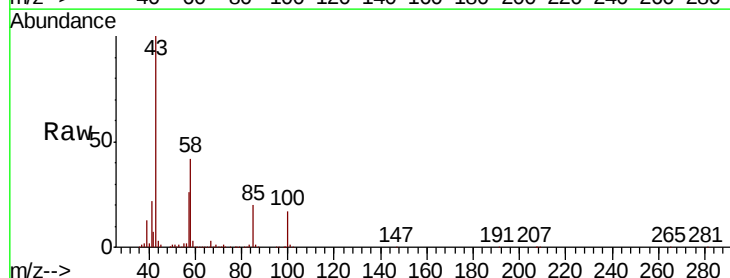
Tgt Ion: 43 Resp: 277896

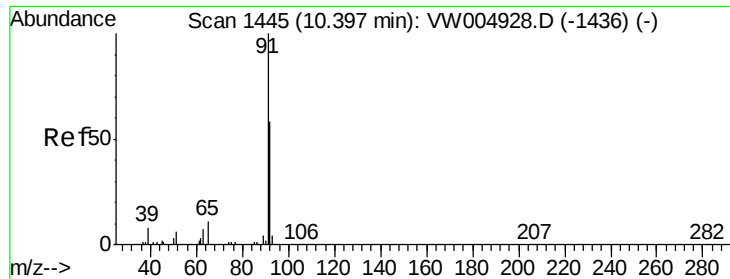
Ion Ratio Lower Upper

43 100

58 41.2 32.1 48.1

100 17.1 12.6 18.8





#44

Toluene

Concen: 23.118 ug/L

RT: 10.40 min Scan# 1445

Delta R.T. -0.00 min

Lab File: VW004963.D

Acq: 27 Aug 2018 09:47

Instrument :

MSVOA_W

ClientSampleId :

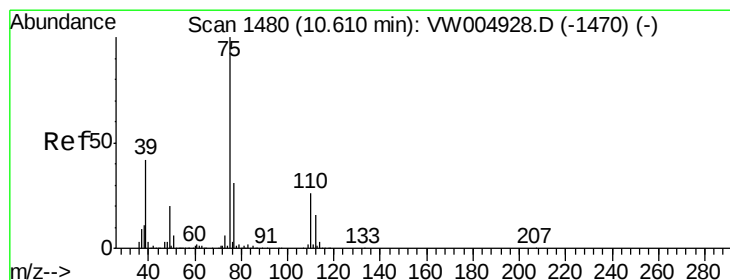
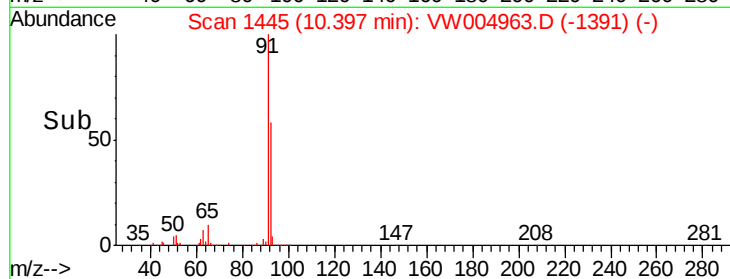
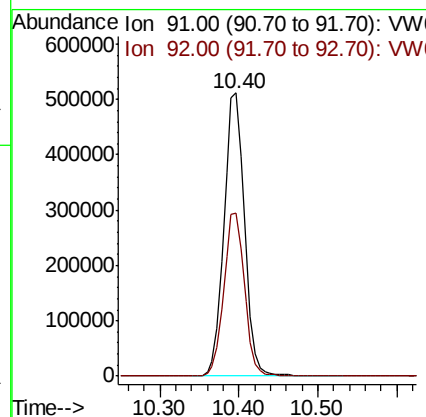
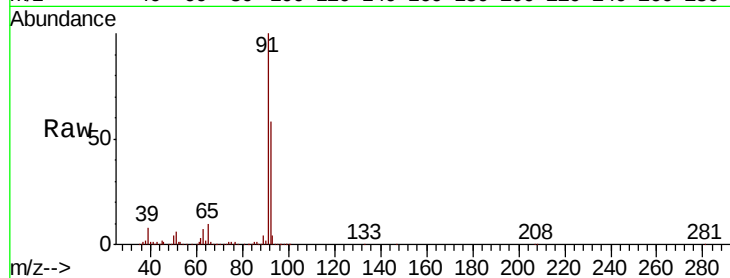
BFB84

Tgt Ion: 91 Resp: 927902

Ion Ratio Lower Upper

91 100

92 57.7 40.6 75.4



#45

trans-1,3-Dichloropropene

Concen: 22.300 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW004963.D

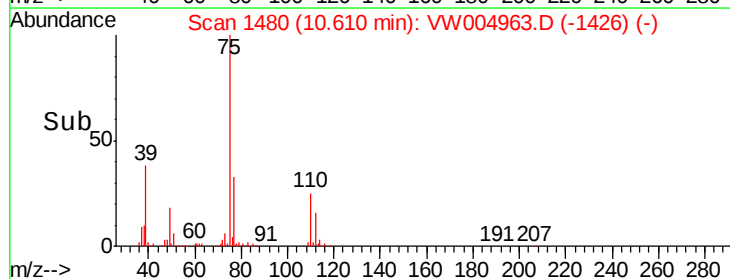
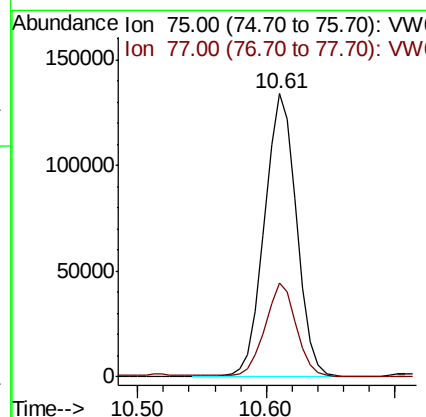
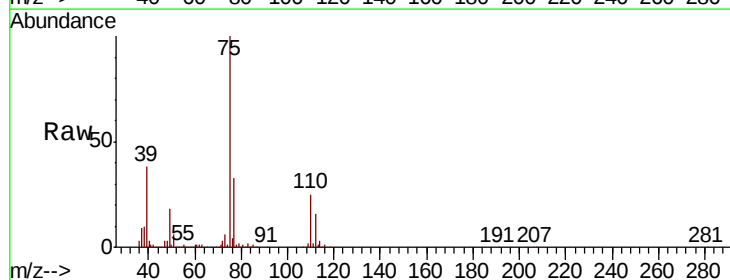
Acq: 27 Aug 2018 09:47

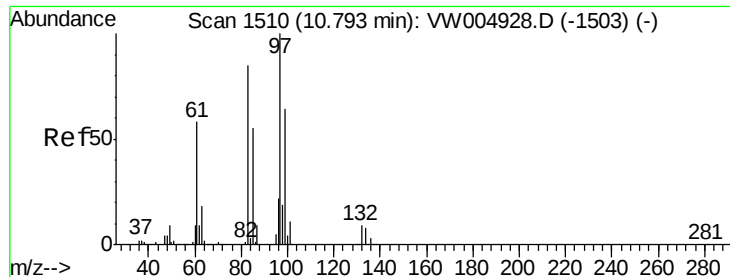
Tgt Ion: 75 Resp: 230821

Ion Ratio Lower Upper

75 100

77 33.0 22.2 41.2

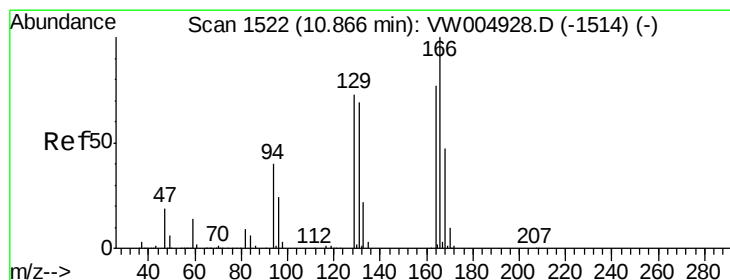
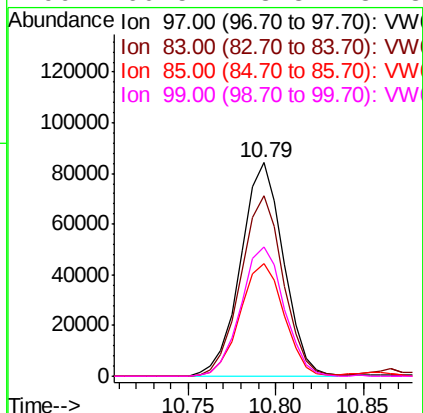
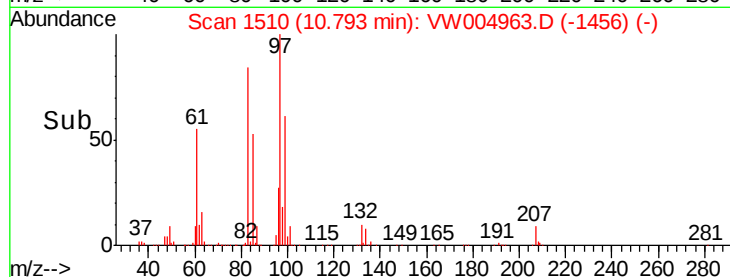
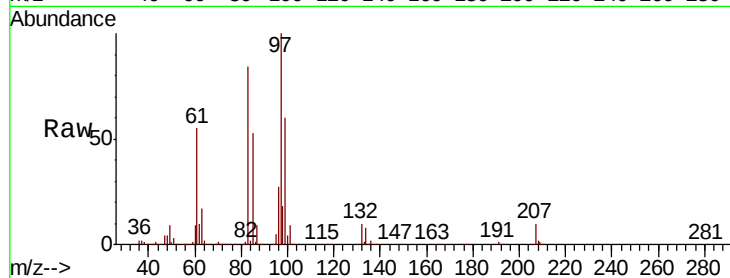




#46
 1,1,2-Trichloroethane
 Concen: 22.351 ug/L
 RT: 10.79 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VW004963.D
 Acq: 27 Aug 2018 09:47

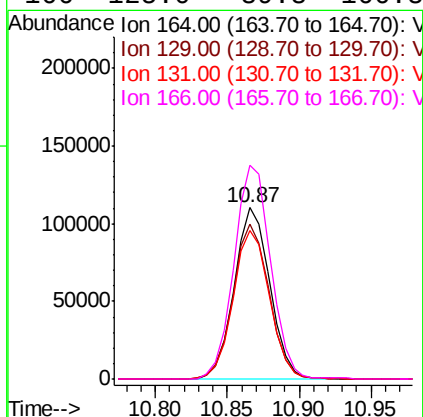
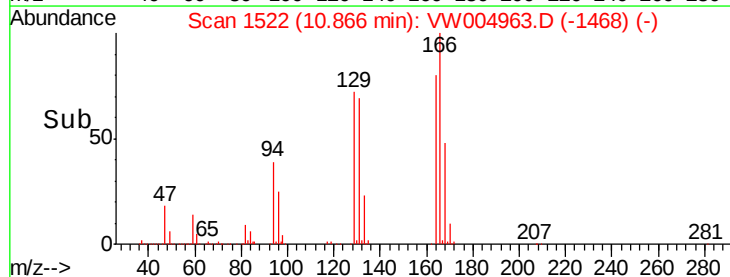
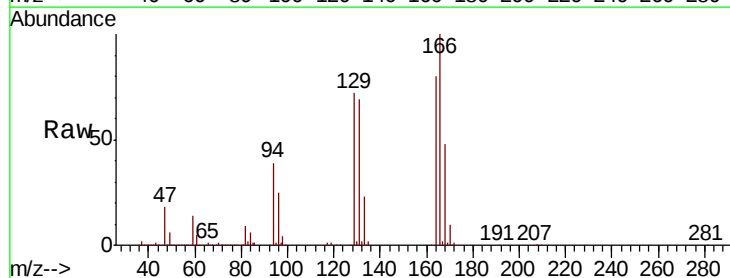
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB84

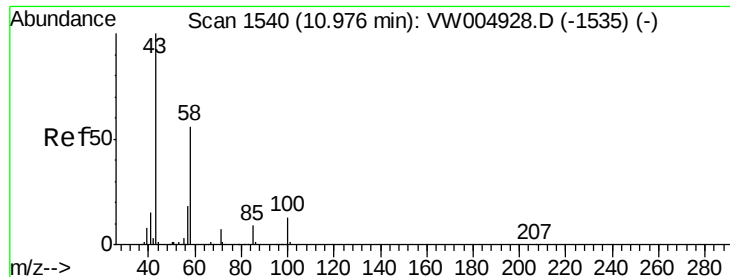
Tgt Ion:	97	Resp:	143429
Ion	Ratio	Lower	Upper
97	100		
83	84.4	59.6	110.8
85	52.8	38.1	70.9
99	60.5	43.8	81.3



#47
 Tetrachloroethene
 Concen: 23.292 ug/L
 RT: 10.87 min Scan# 1522
 Delta R.T. -0.00 min
 Lab File: VW004963.D
 Acq: 27 Aug 2018 09:47

Tgt Ion:	164	Resp:	189510
Ion	Ratio	Lower	Upper
164	100		
129	90.3	66.8	124.0
131	86.8	64.0	119.0
166	125.0	89.8	166.8

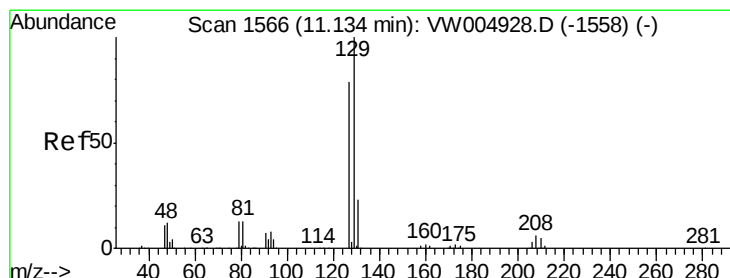
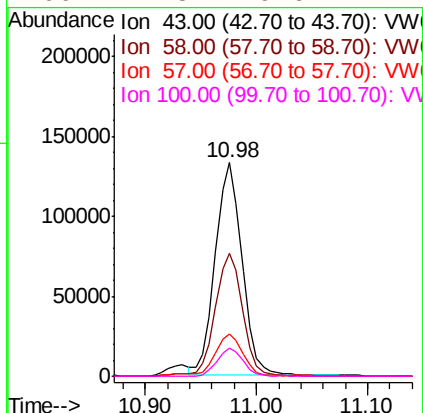
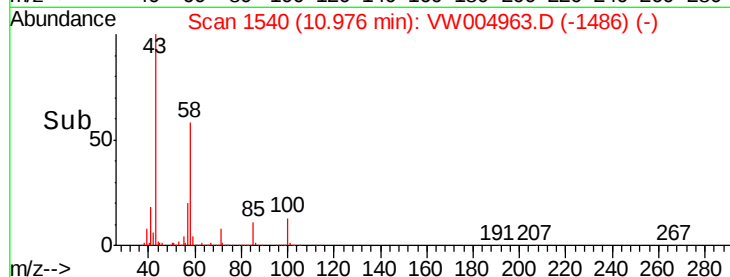
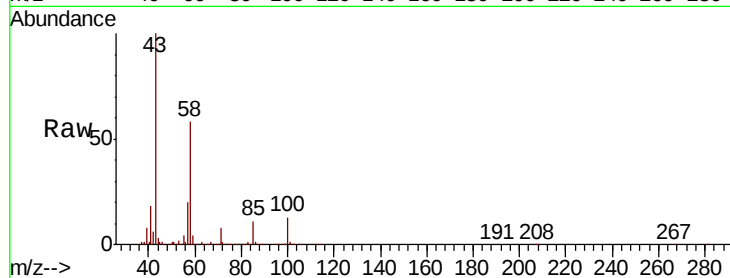




#49
2-Hexanone
Concen: 47.449 ug/L
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW004963.D
Acq: 27 Aug 2018 09:47

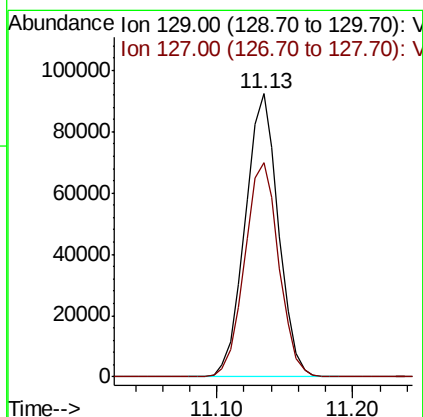
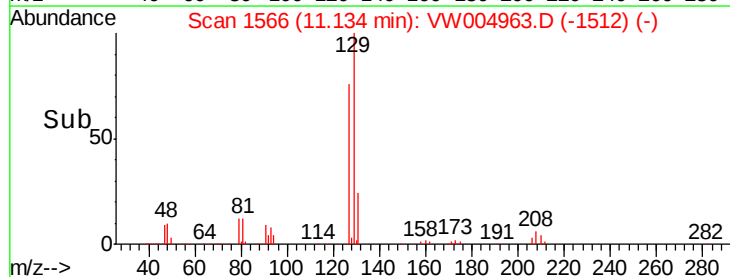
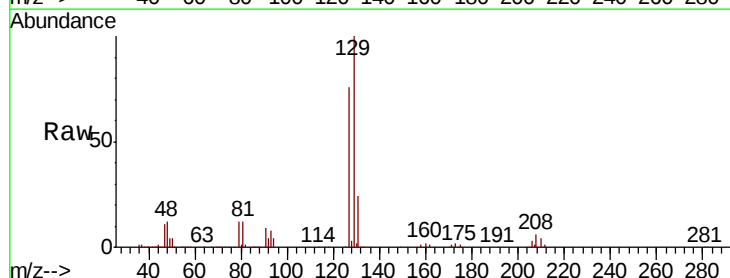
Instrument :
MSVOA_W
ClientSampleId :
BFB84

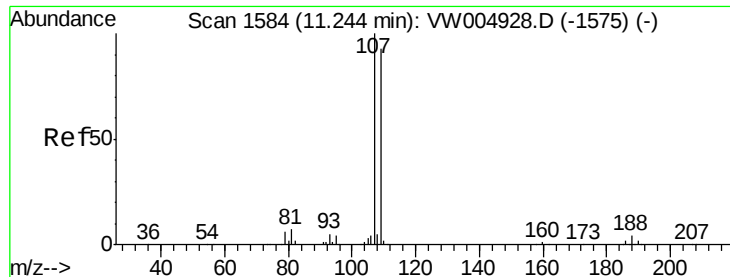
Tgt Ion: 43 Resp: 222543
Ion Ratio Lower Upper
43 100
58 57.6 44.6 67.0
57 19.5 15.4 23.2
100 12.8 9.6 14.4



#50
Dibromochloromethane
Concen: 22.212 ug/L
RT: 11.13 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VW004963.D
Acq: 27 Aug 2018 09:47

Tgt Ion: 129 Resp: 158252
Ion Ratio Lower Upper
129 100
127 75.8 53.8 99.8

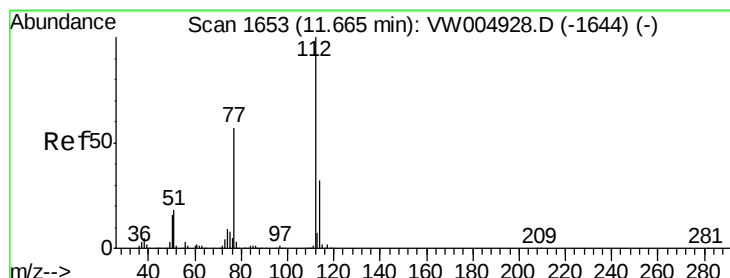
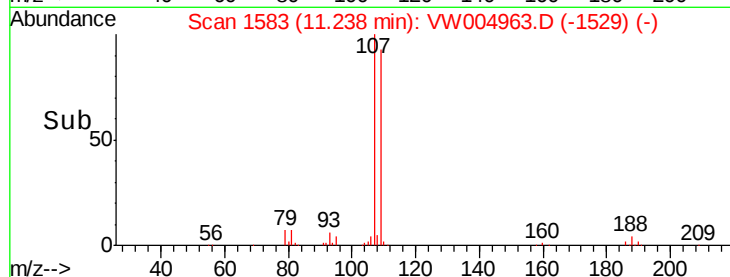
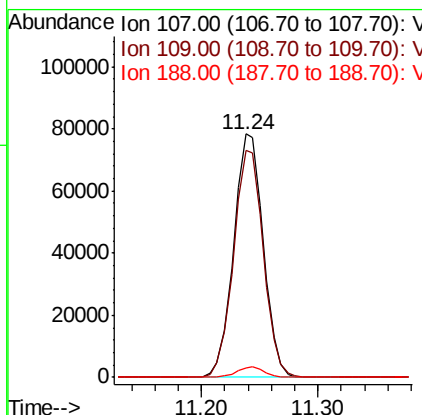
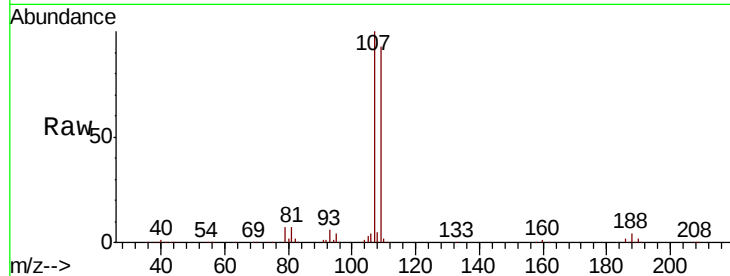




#51
1,2-Dibromoethane
Concen: 21.967 ug/L
RT: 11.24 min Scan# 1583
Delta R.T. -0.00 min
Lab File: VW004963.D
Acq: 27 Aug 2018 09:47

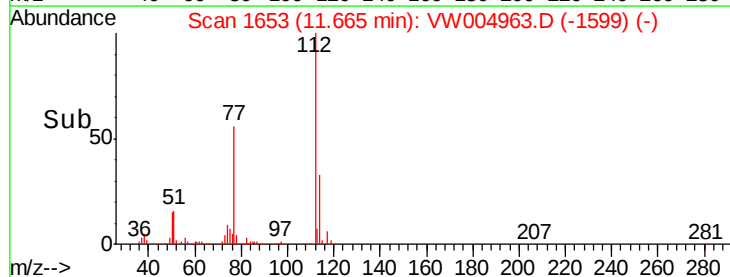
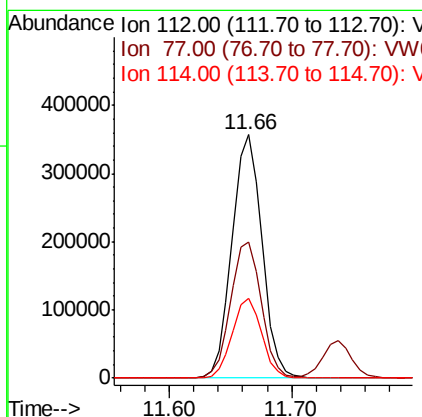
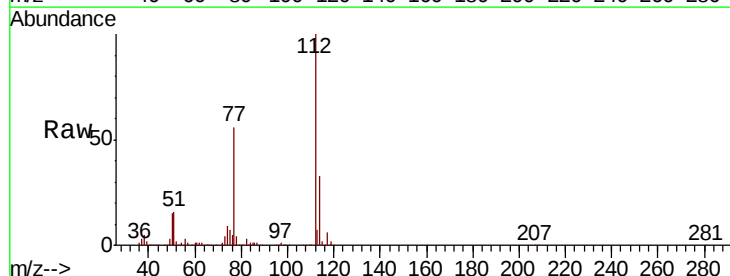
Instrument :
MSVOA_W
ClientSampled :
BFB84

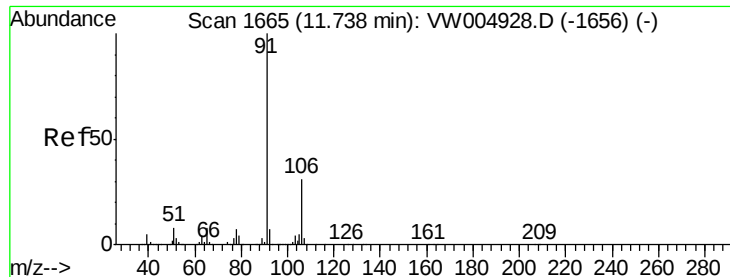
Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.3	67.3	124.9
188	3.9	3.0	4.6



#52
Chlorobenzene
Concen: 22.702 ug/L
RT: 11.66 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VW004963.D
Acq: 27 Aug 2018 09:47

Tgt Ion	Ratio	Lower	Upper
112	100		
77	55.9	45.8	68.8
114	32.9	22.5	41.7

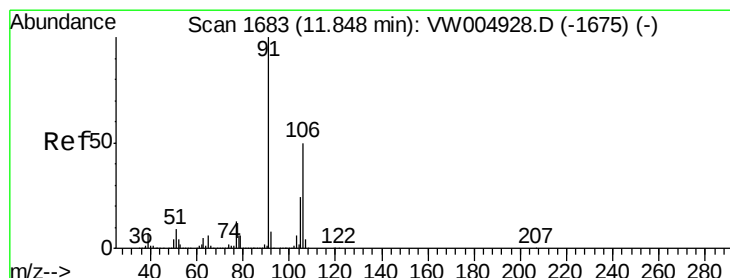
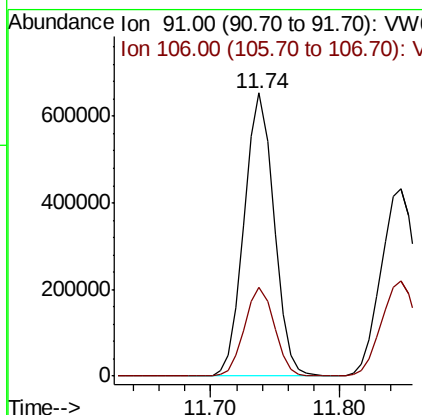
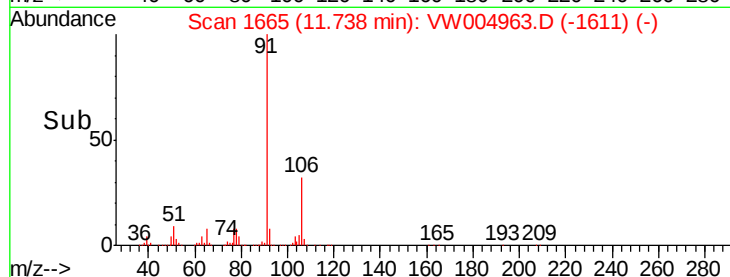
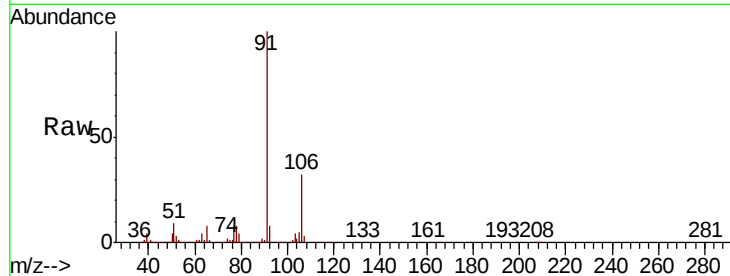




#53
Ethylbenzene
Concen: 23.220 ug/L
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW004963.D
Acq: 27 Aug 2018 09:47

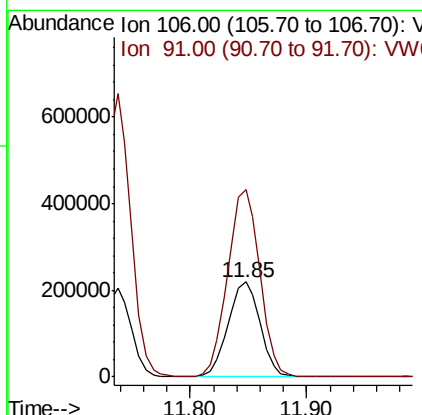
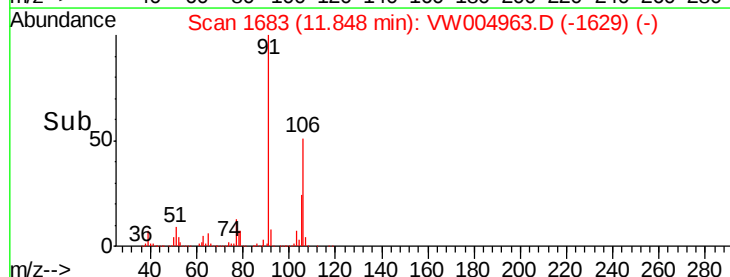
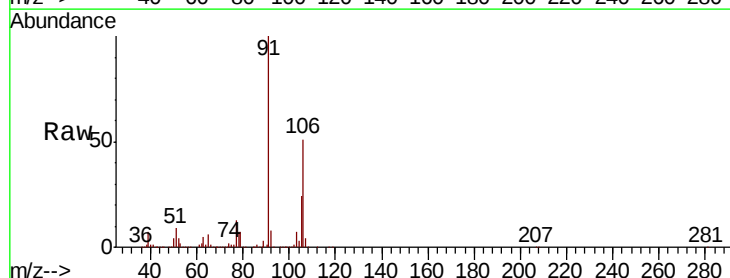
Instrument :
MSVOA_W
ClientSampled :
BFB84

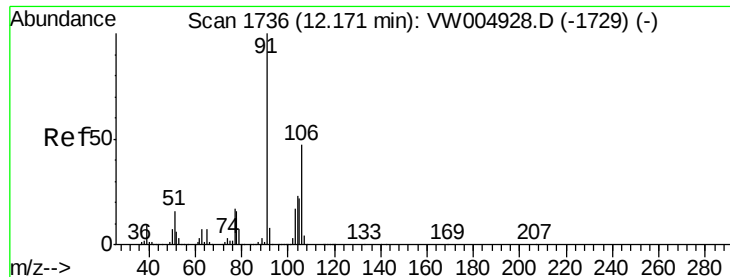
Tgt Ion: 91 Resp: 1048723
Ion Ratio Lower Upper
91 100
106 31.5 21.6 40.2



#54
m,p-Xylene
Concen: 23.919 ug/L
RT: 11.85 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW004963.D
Acq: 27 Aug 2018 09:47

Tgt Ion: 106 Resp: 419089
Ion Ratio Lower Upper
106 100
91 197.2 141.4 262.6





#55

o-xylene

Concen: 24.002 ug/L

RT: 12.18 min Scan# 1737

Delta R.T. 0.01 min

Lab File: VW004963.D

Acq: 27 Aug 2018 09:47

Instrument :

MSVOA_W

ClientSampleId :

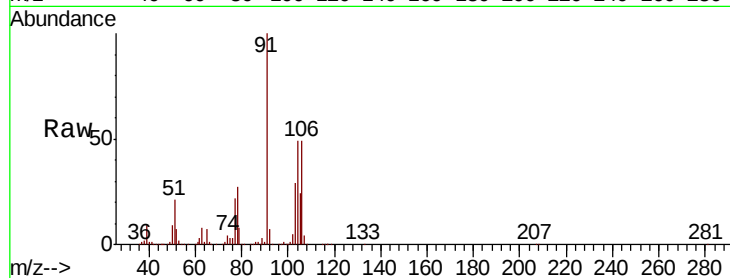
BFB84

Tgt Ion:106 Resp: 392937

Ion Ratio Lower Upper

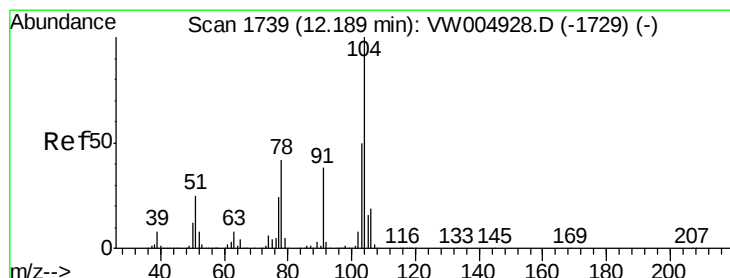
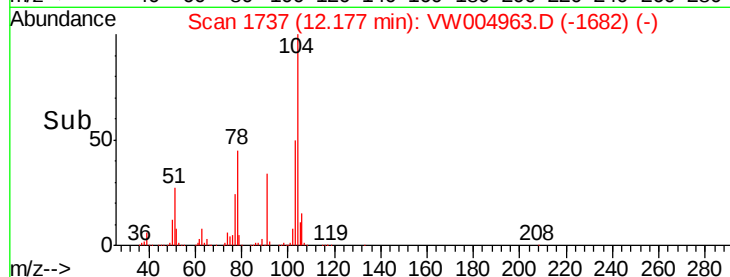
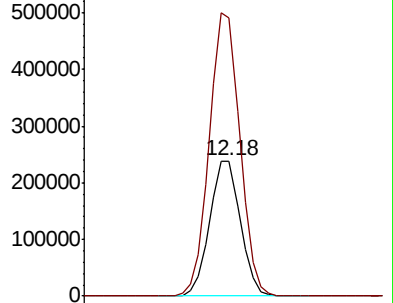
106 100

91 205.4 147.0 273.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 23.835 ug/L

RT: 12.19 min Scan# 1739

Delta R.T. -0.00 min

Lab File: VW004963.D

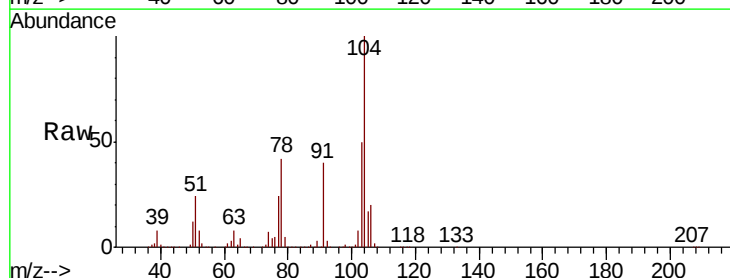
Acq: 27 Aug 2018 09:47

Tgt Ion:104 Resp: 670419

Ion Ratio Lower Upper

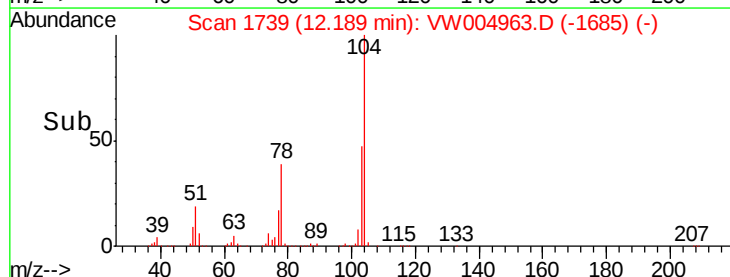
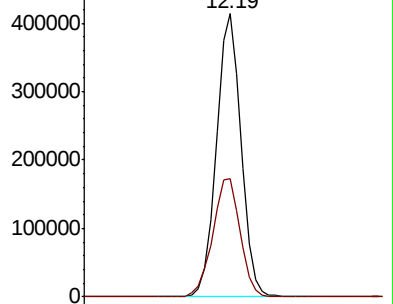
104 100

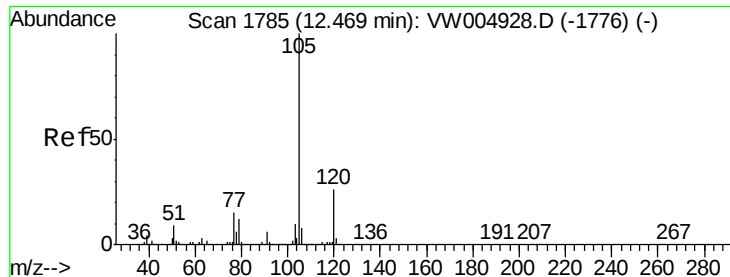
78 41.9 29.8 55.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 24.030 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW004963.D

Acq: 27 Aug 2018 09:47

Instrument :

MSVOA_W

ClientSampleId :

BFB84

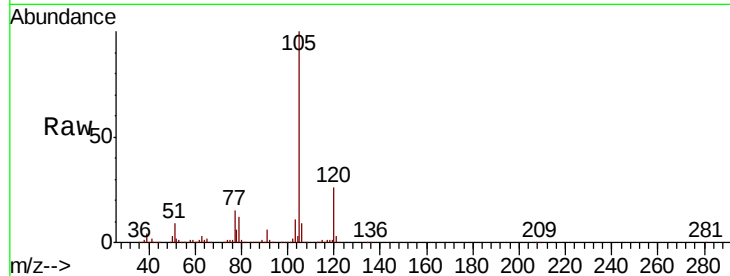
Tgt Ion: 105 Resp: 1050775

Ion Ratio Lower Upper

105 100

120 26.4 21.3 31.9

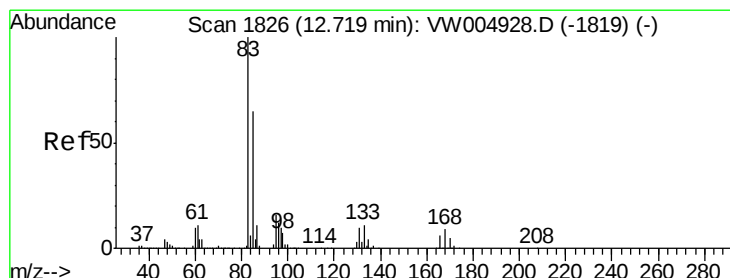
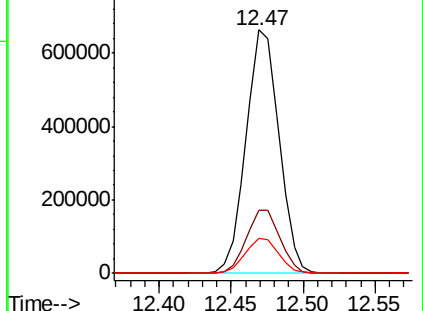
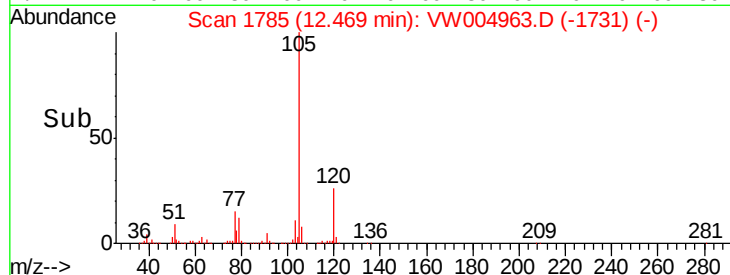
77 14.6 12.0 18.0



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: 22.437 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW004963.D

Acq: 27 Aug 2018 09:47

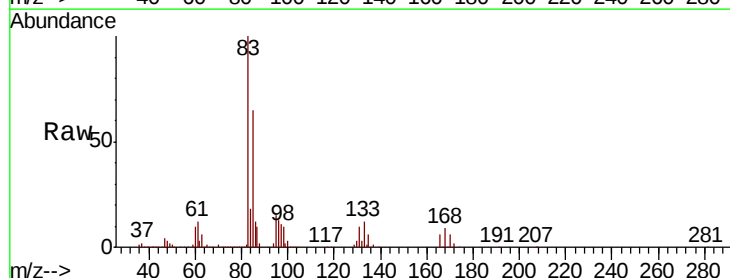
Tgt Ion: 83 Resp: 205213

Ion Ratio Lower Upper

83 100

85 65.0 46.3 85.9

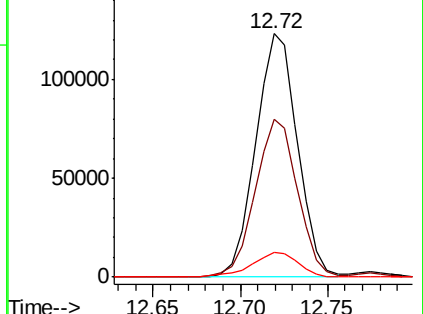
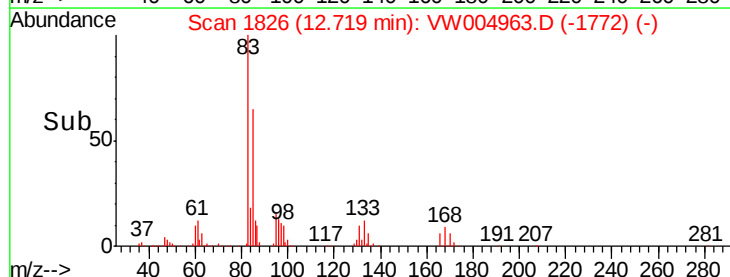
131 10.0 7.8 11.6

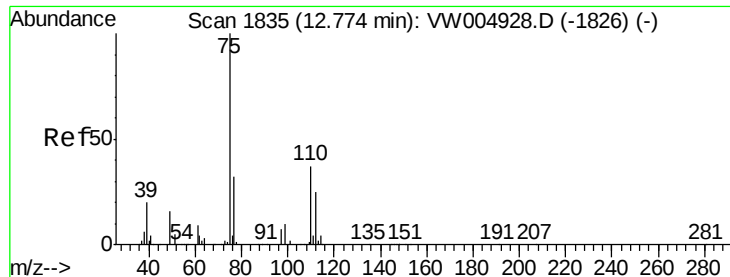


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 22.639 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VW004963.D

Acq: 27 Aug 2018 09:47

Instrument :

MSVOA_W

ClientSampled :

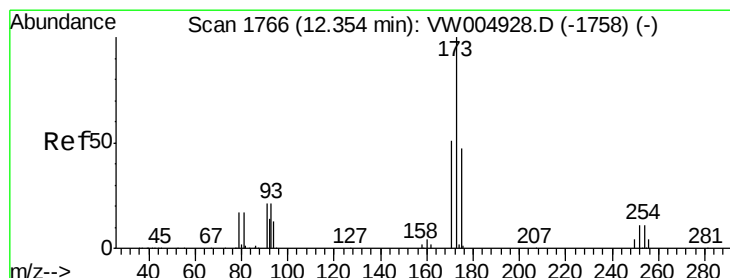
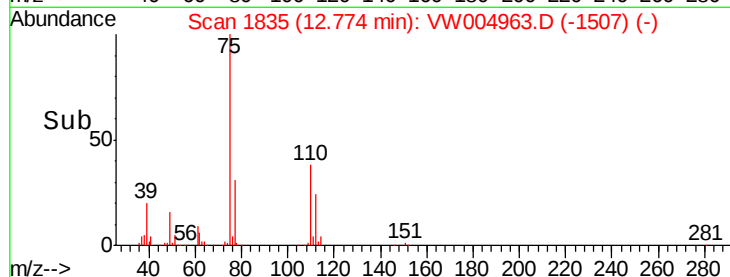
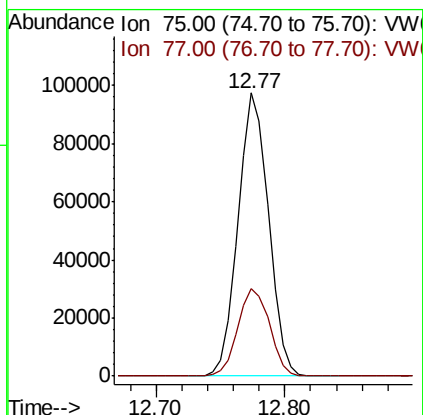
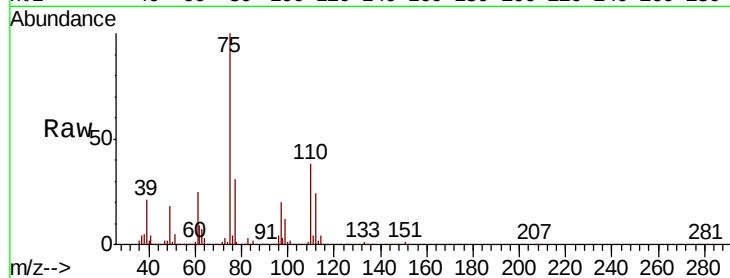
BFB84

Tgt Ion: 75 Resp: 159548

Ion Ratio Lower Upper

75 100

77 32.1 25.3 37.9



#62

Bromoform

Concen: 22.139 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW004963.D

Acq: 27 Aug 2018 09:47

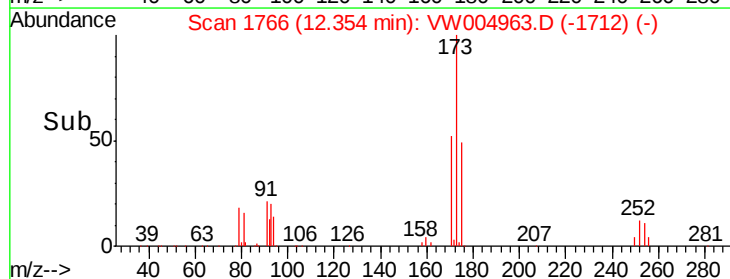
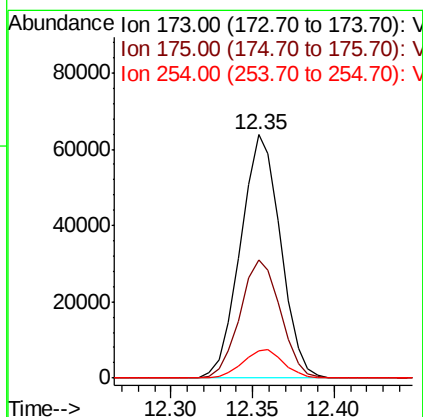
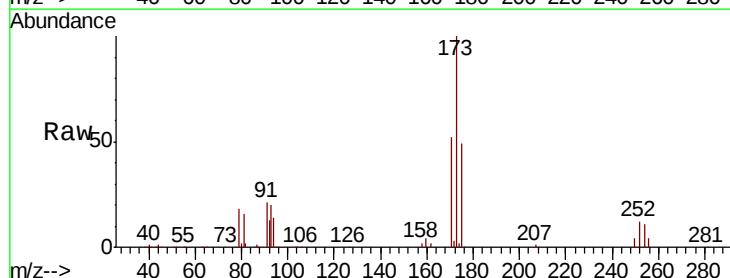
Tgt Ion: 173 Resp: 109236

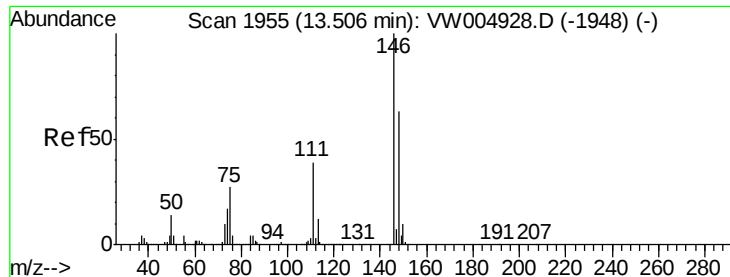
Ion Ratio Lower Upper

173 100

175 48.9 39.0 58.6

254 11.8 9.0 13.6

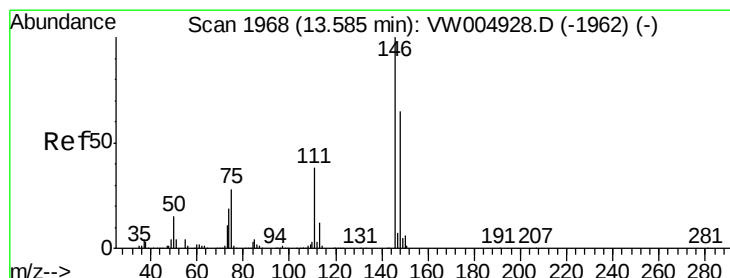
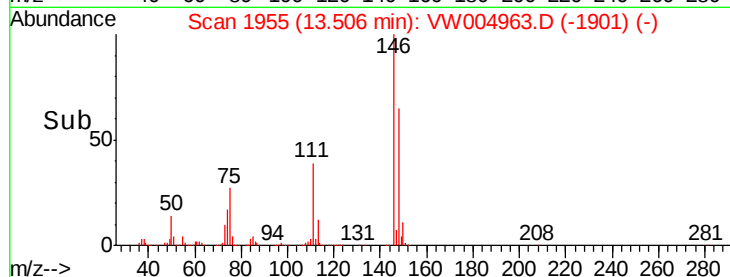
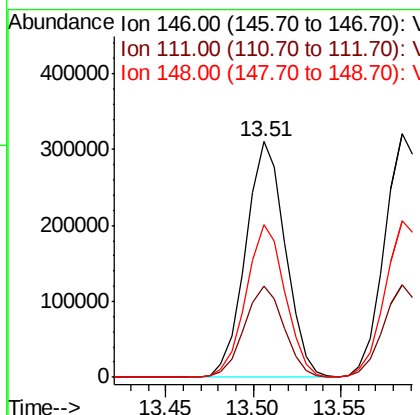
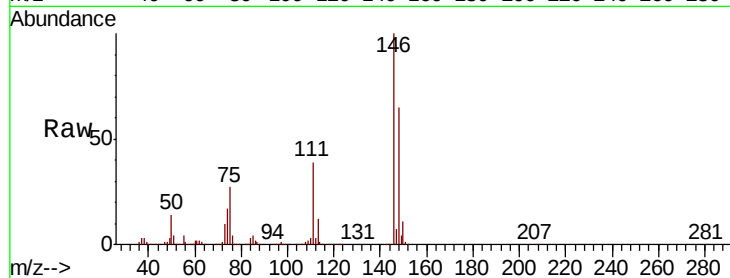




#63
 1,3-Dichlorobenzene
 Concen: 22.853 ug/L
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW004963.D
 Acq: 27 Aug 2018 09:47

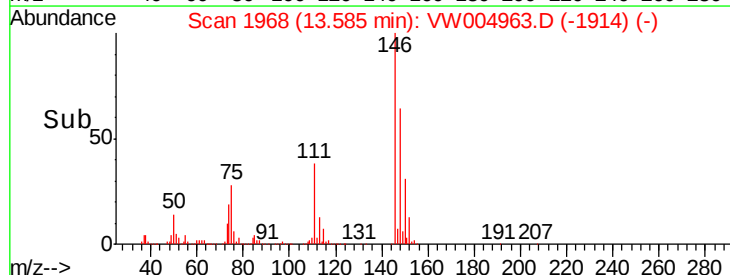
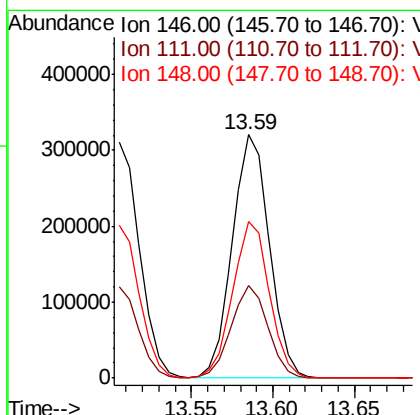
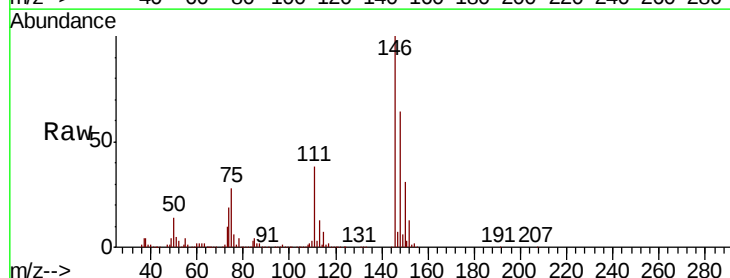
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB84

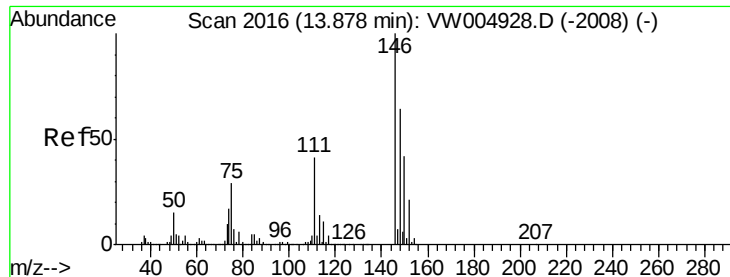
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	25.6	47.6
148	65.0	42.7	79.3



#64
 1,4-Dichlorobenzene
 Concen: 22.654 ug/L
 RT: 13.59 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VW004963.D
 Acq: 27 Aug 2018 09:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	27.6	51.4
148	64.1	45.8	85.0

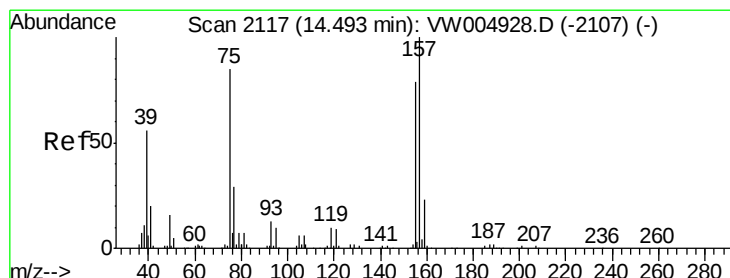
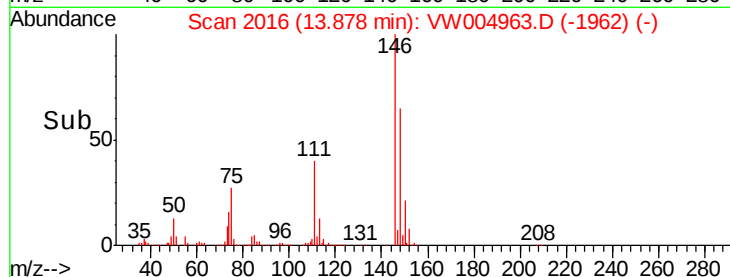
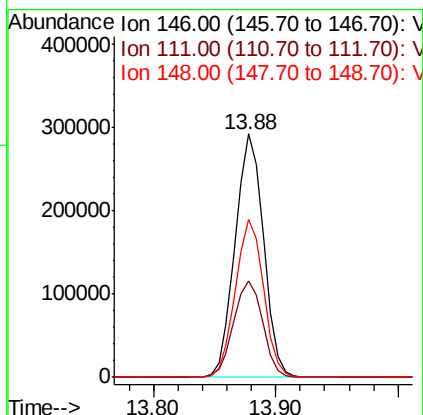
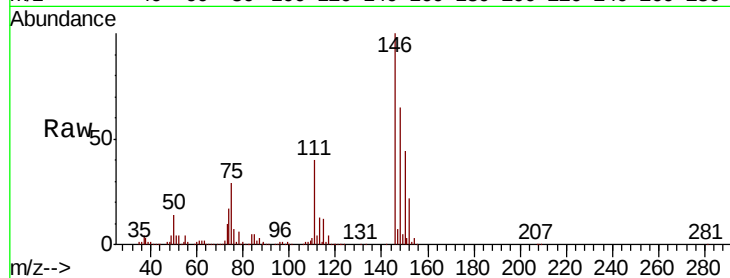




#65
 1,2-Dichlorobenzene
 Concen: 22.849 ug/L
 RT: 13.88 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: VW004963.D
 Acq: 27 Aug 2018 09:47

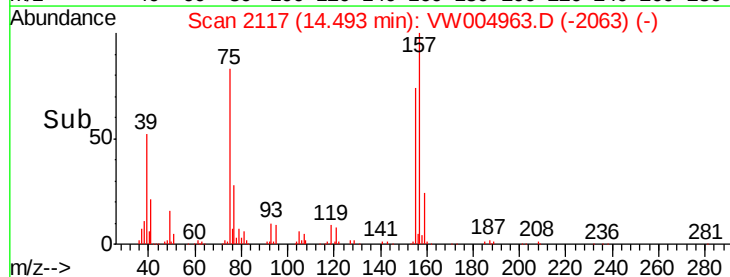
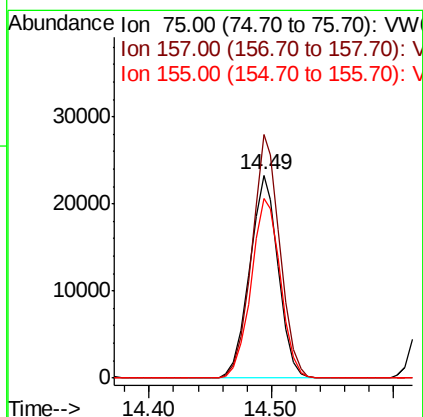
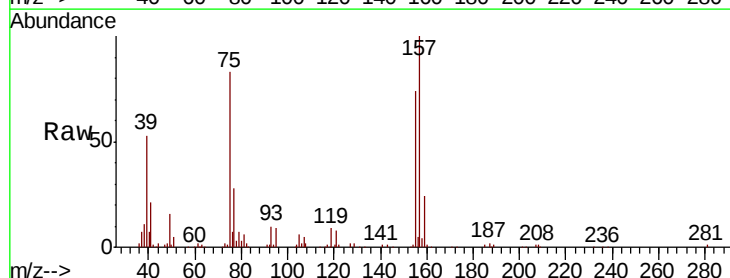
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB84

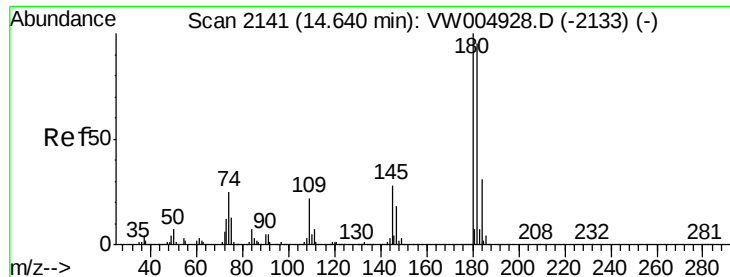
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	32.0	48.0
148	65.0	50.6	75.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 21.626 ug/L
 RT: 14.49 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VW004963.D
 Acq: 27 Aug 2018 09:47

Tgt Ion	Ratio	Lower	Upper
75	100		
157	120.0	90.7	136.1
155	88.7	69.5	104.3

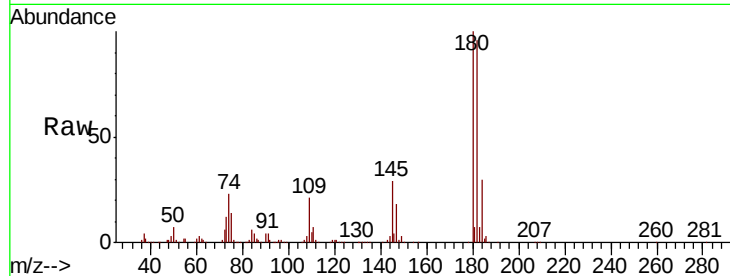




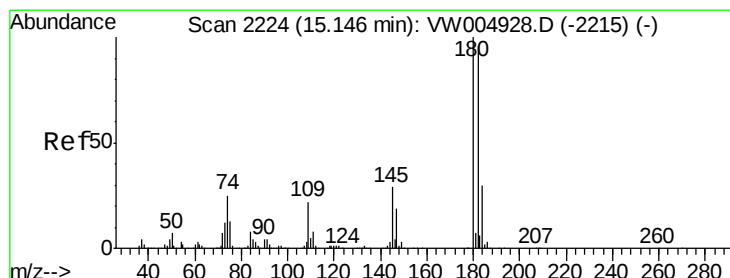
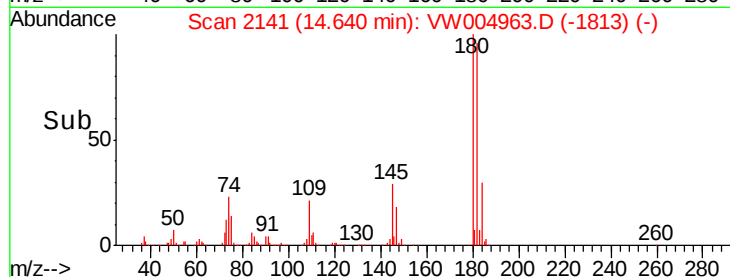
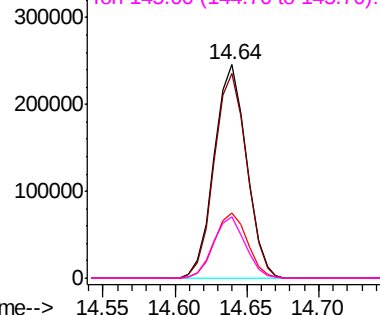
#67
 1,3,5-Trichlorobenzene
 Concen: 22.405 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VW004963.D
 Acq: 27 Aug 2018 09:47

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB84

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.0	114.0
184	30.7	24.3	36.5
145	28.5	23.0	34.6

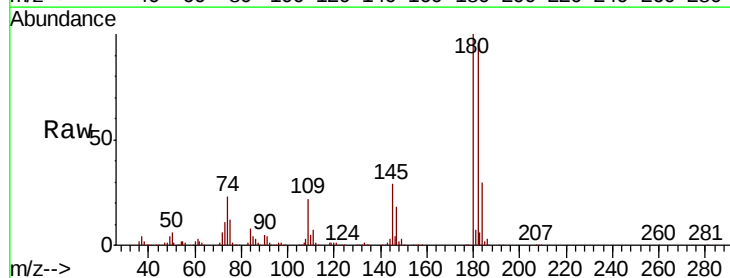


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

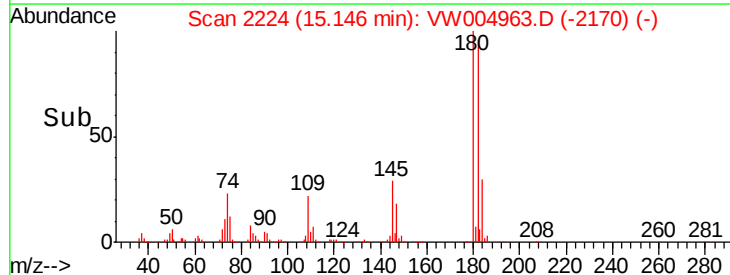
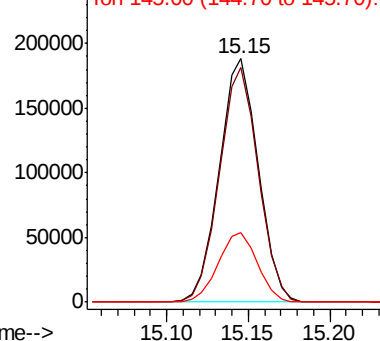


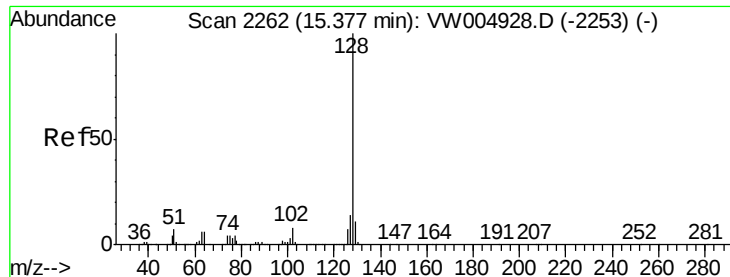
#68
 1,2,4-trichlorobenzene
 Concen: 22.631 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: VW004963.D
 Acq: 27 Aug 2018 09:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.1	114.1
145	28.7	23.3	34.9



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





#69

Naphthalene

Concen: 24.150 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VW004963.D

Acq: 27 Aug 2018 09:47

Instrument :

MSVOA_W

ClientSampleId :

BFB84

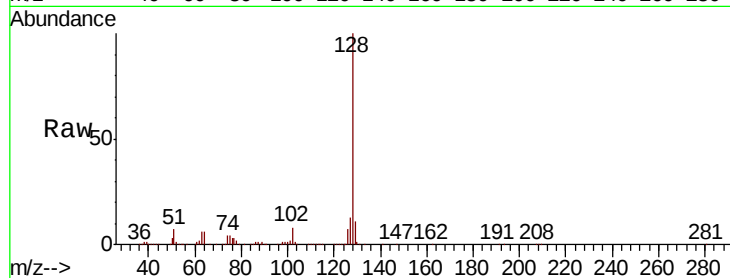
Tgt Ion:128 Resp: 679946

Ion Ratio Lower Upper

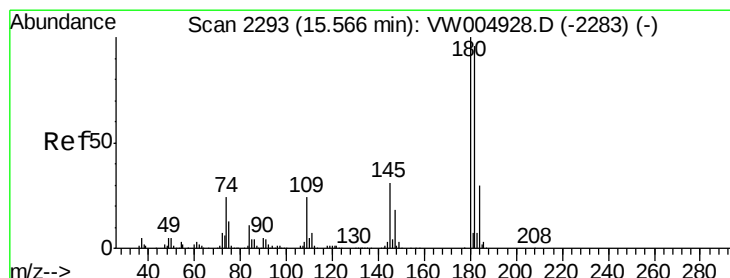
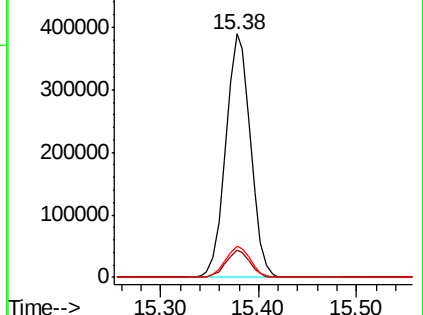
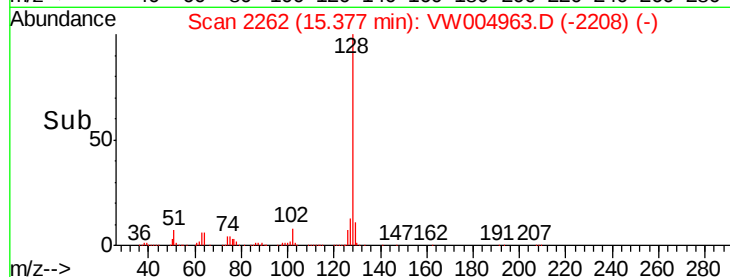
128 100

129 10.9 8.9 13.3

127 13.0 10.6 15.8



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: 22.961 ug/L

RT: 15.57 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VW004963.D

Acq: 27 Aug 2018 09:47

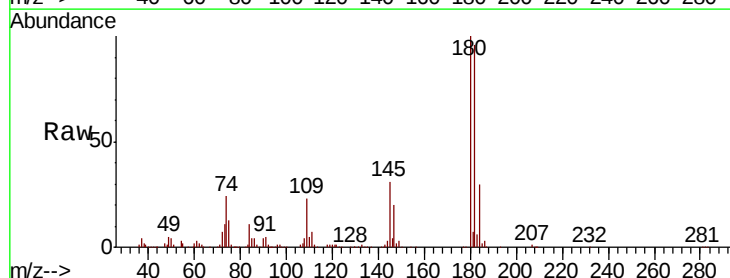
Tgt Ion:180 Resp: 299550

Ion Ratio Lower Upper

180 100

182 96.0 75.8 113.6

145 30.4 24.6 37.0



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

