

Data File : VW004975.D
Acq On : 28 Aug 2018 09:54
Operator : SY/AP
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BFB85

Quant Time: Aug 29 01:02:43 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM082218S.M
Quant Title : VOC Analysis
QLast Update : Tue Aug 28 01:39:39 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	699072	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	710911	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	389561	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	251084	19.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.00%
7) Chloroethane-d5	2.89	69	201902	20.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.44%
10) 1,1-Dichloroethene-d2	4.03	63	332001	19.68	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	78.72%
20) 2-Butanone-d5	7.09	46	125602	46.71	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.42%
24) Chloroform-d	7.65	84	337927	21.77	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	87.08%
26) 1,2-Dichloroethane-d4	8.31	65	188634	22.37	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.48%
29) Benzene-d6	8.28	84	881785	24.11	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.44%
33) 1,2-Dichloropropane-d6	9.28	67	252673	23.52	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.08%
37) Toluene-d8	10.33	98	943957	24.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.48%
38) trans-1,3-Dichloropropene-	10.58	79	108422	23.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.80%
39) 2-Hexanone-d5	10.93	63	135473	50.89	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.78%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	262766	24.34	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.36%
61) 1,2-Dichlorobenzene-d4	13.86	152	375499	24.00	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.00%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	295135	22.444	ug/L	99
3) Chloromethane	2.22	50	329479	22.109	ug/L	98
5) Vinyl chloride	2.36	62	330561	21.900	ug/L	99
6) Bromomethane	2.78	94	193766	24.505	ug/L	99
8) Chloroethane	2.92	64	188785	22.381	ug/L	100
9) Trichlorofluoromethane	3.26	101	321344	21.038	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	204772	22.412	ug/L	98
12) 1,1-Dichloroethene	4.04	96	178902	21.982	ug/L	97
13) Acetone	4.15	43	84990	40.802	ug/L	99
14) Carbon disulfide	4.39	76	677668	20.095	ug/L	99
15) Methyl Acetate	4.68	43	100969	21.438	ug/L	96
16) Methylene chloride	4.93	84	292493	21.577	ug/L	93
17) Methyl tert-butyl Ether	5.43	73	433881	24.680	ug/L	99
18) trans-1,2-Dichloroethene	5.43	96	195153	23.027	ug/L	99
19) 1,1-Dichloroethane	6.22	63	340383	22.003	ug/L	98
21) 2-Butanone	7.19	43	138753	43.260	ug/L	98
22) cis-1,2-Dichloroethene	7.18	96	211799	23.159	ug/L	94

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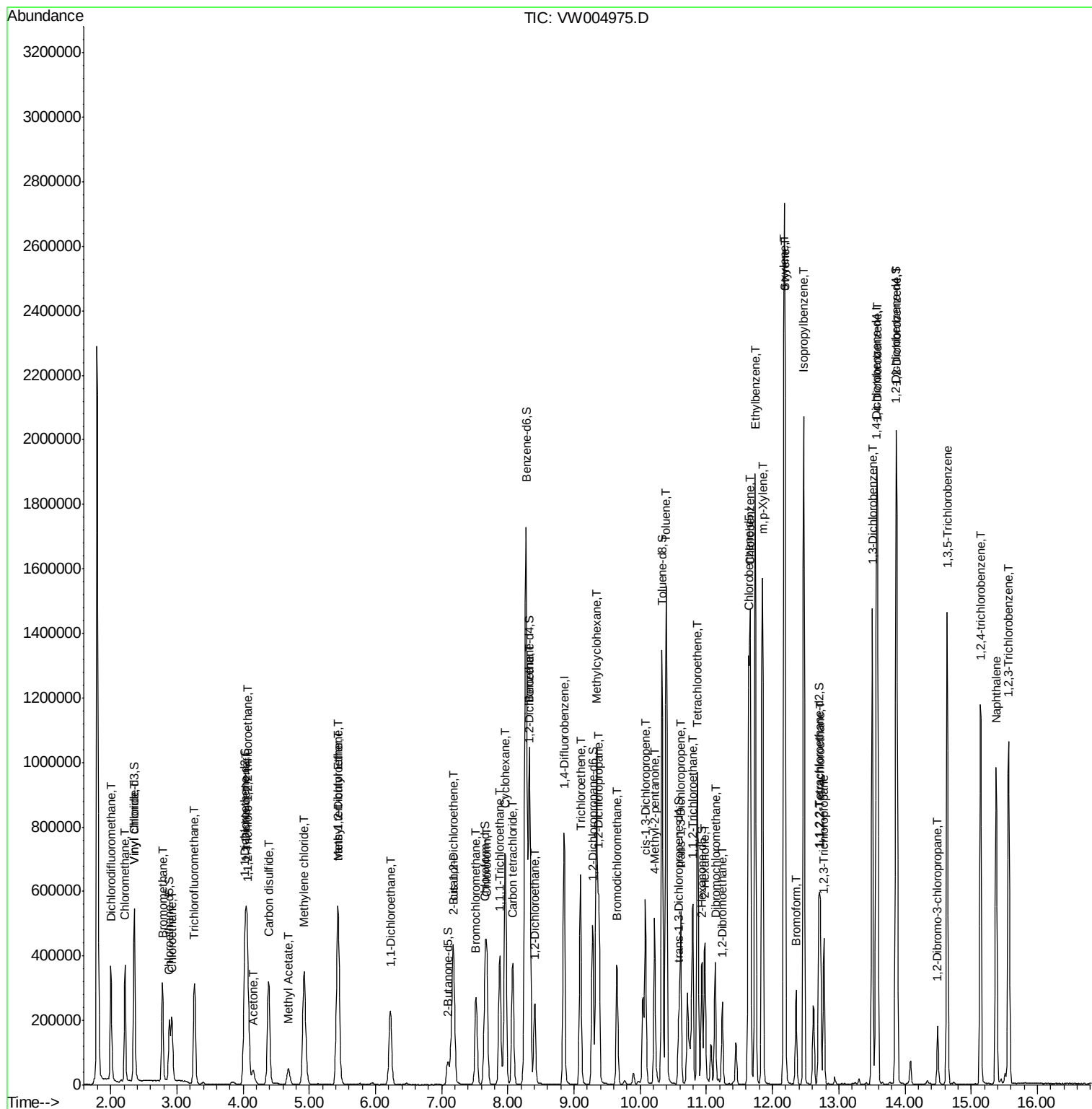
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	106393	22.032	ug/L	95
25) Chloroform	7.68	83	356347	22.982	ug/L	100
27) 1,2-Dichloroethane	8.40	62	220588	21.705	ug/L	99
30) Cyclohexane	7.96	56	363264	24.004	ug/L	96
31) 1,1,1-Trichloroethane	7.88	97	326165	23.820	ug/L	98
32) Carbon tetrachloride	8.07	117	297431	24.285	ug/L	98
34) Benzene	8.33	78	975670	24.070	ug/L	100
35) Trichloroethene	9.10	95	239100	23.722	ug/L	99
36) Methylcyclohexane	9.34	83	431602	23.151	ug/L	99
40) 1,2-Dichloropropane	9.37	63	234187	23.486	ug/L	99
41) Bromodichloromethane	9.65	83	260701	23.728	ug/L	97
42) cis-1,3-Dichloropropene	10.08	75	336915	24.341	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	337660	45.873	ug/L	97
44) Toluene	10.39	91	1191216	24.471	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	298390	23.770	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	180502	23.192	ug/L	98
47) Tetrachloroethene	10.87	164	238249	24.144	ug/L	97
49) 2-Hexanone	10.98	43	272609	47.925	ug/L	98
50) Dibromochloromethane	11.13	129	208774	24.162	ug/L	100
51) 1,2-Dibromoethane	11.24	107	175930	23.027	ug/L	100
52) Chlorobenzene	11.66	112	779555	24.107	ug/L	98
53) Ethylbenzene	11.74	91	1348124	24.612	ug/L	99
54) m,p-Xylene	11.85	106	534337	25.145	ug/L	99
55) o-xylene	12.17	106	503198	25.344	ug/L	98
56) Styrene	12.19	104	871922	25.559	ug/L	98
57) Isopropylbenzene	12.47	105	1350830	25.471	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	255413	23.026	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	193766	22.670	ug/L	99
62) Bromoform	12.35	173	137910	22.328	ug/L	100
63) 1,3-Dichlorobenzene	13.51	146	643903	23.992	ug/L	97
64) 1,4-Dichlorobenzene	13.59	146	666782	23.730	ug/L	97
65) 1,2-Dichlorobenzene	13.88	146	617183	24.000	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	45913	21.054	ug/L	98
67) 1,3,5-Trichlorobenzene	14.64	180	509632	23.731	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	416085	23.996	ug/L	100
69) Naphthalene	15.38	128	858546	24.359	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	397858	24.361	ug/L	98

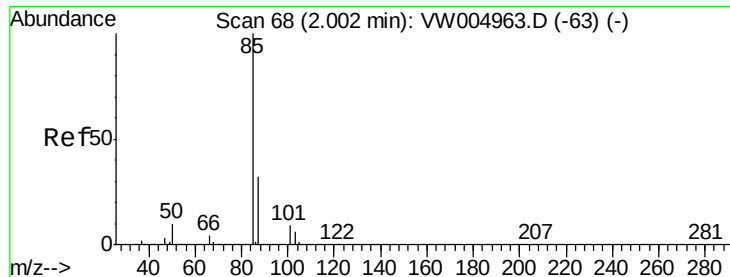
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 22.444 ug/L

RT: 2.00 min Scan# 68

Delta R.T. 0.00 min

Lab File: VW004975.D

Acq: 28 Aug 2018 09:54

Instrument :

MSVOA_W

ClientSampleId :

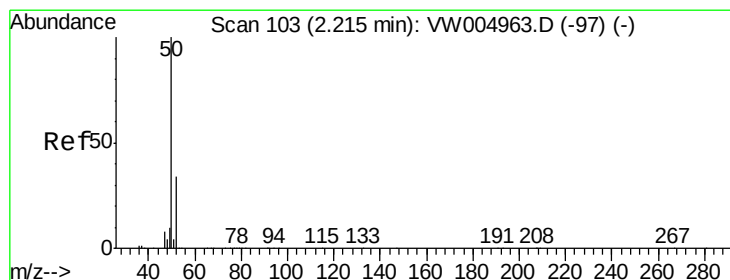
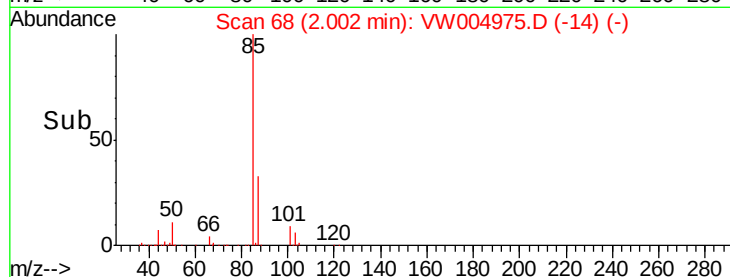
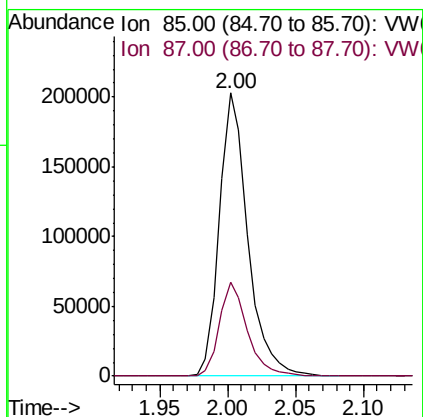
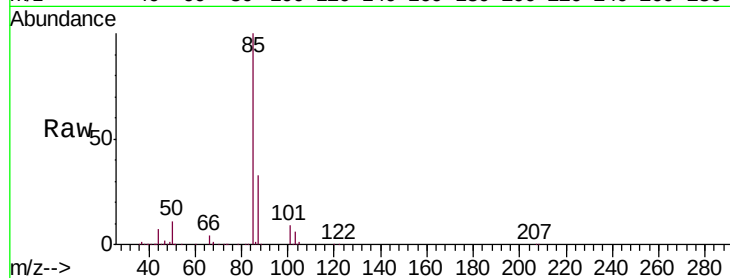
BFB85

Tgt Ion: 85 Resp: 295135

Ion Ratio Lower Upper

85 100

87 32.7 22.6 42.0



#3

Chloromethane

Concen: 22.109 ug/L

RT: 2.22 min Scan# 103

Delta R.T. 0.00 min

Lab File: VW004975.D

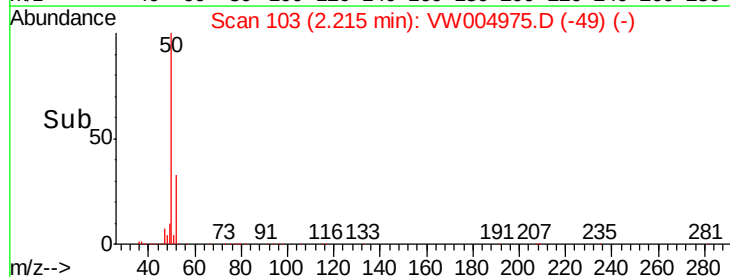
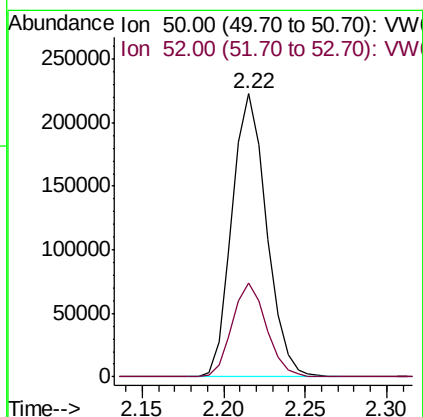
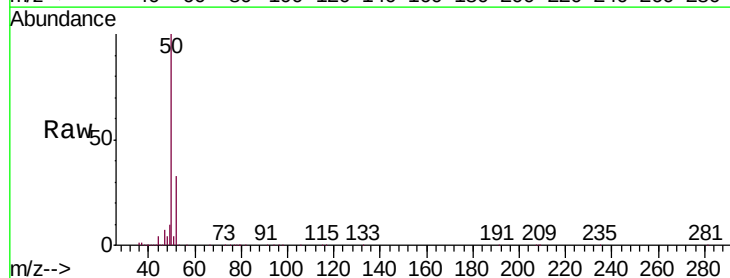
Acq: 28 Aug 2018 09:54

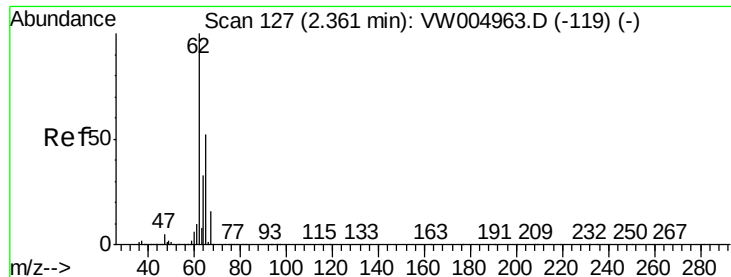
Tgt Ion: 50 Resp: 329479

Ion Ratio Lower Upper

50 100

52 33.3 22.5 41.9





#5

Vinyl chloride

Concen: 21.900 ug/L

RT: 2.36 min Scan# 127

Delta R.T. 0.00 min

Lab File: VW004975.D

Acq: 28 Aug 2018 09:54

Instrument :

MSVOA_W

ClientSampleId :

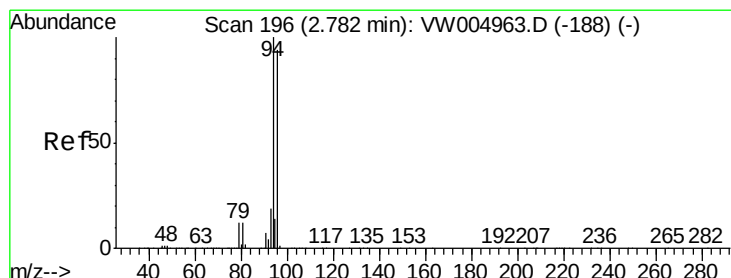
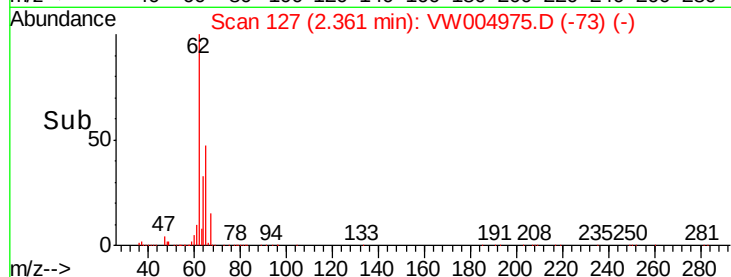
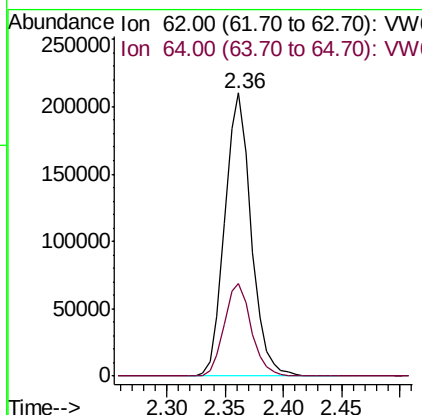
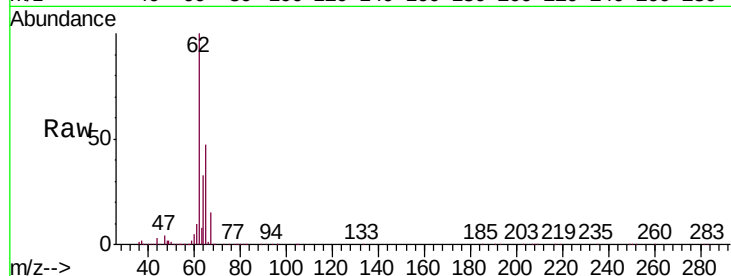
BFB85

Tgt Ion: 62 Resp: 330561

Ion Ratio Lower Upper

62 100

64 32.8 23.3 43.3



#6

Bromomethane

Concen: 24.505 ug/L

RT: 2.78 min Scan# 196

Delta R.T. 0.00 min

Lab File: VW004975.D

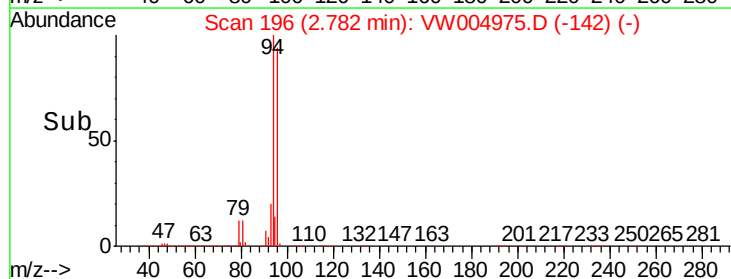
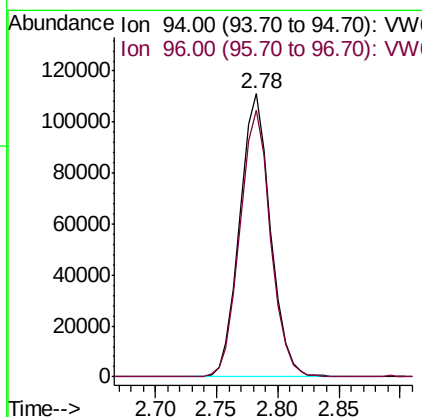
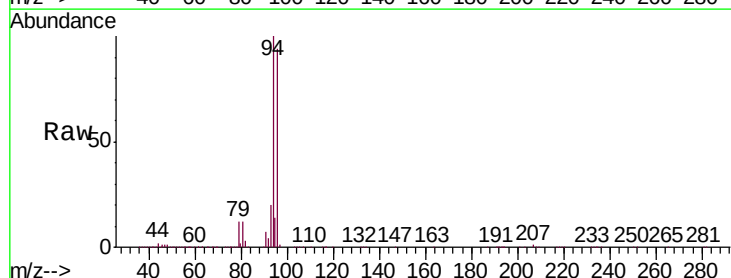
Acq: 28 Aug 2018 09:54

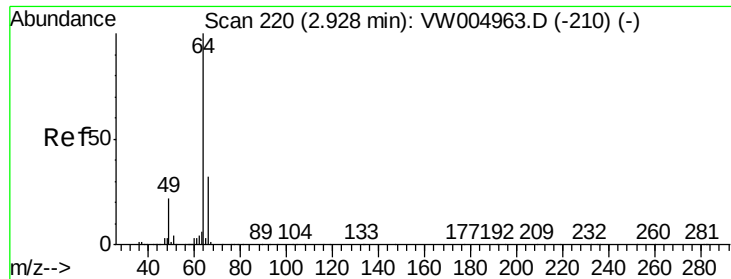
Tgt Ion: 94 Resp: 193766

Ion Ratio Lower Upper

94 100

96 94.2 9.3 177.7

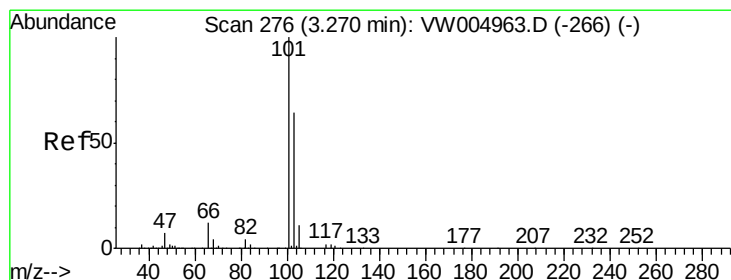
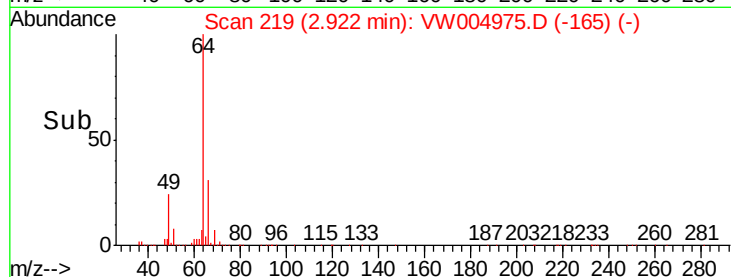
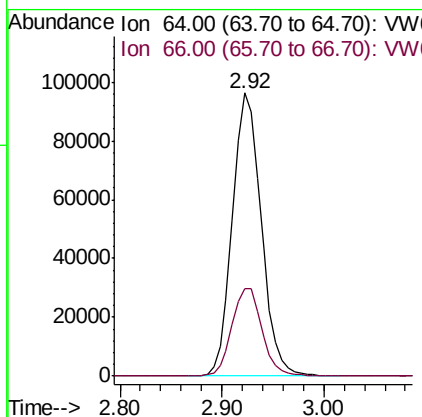
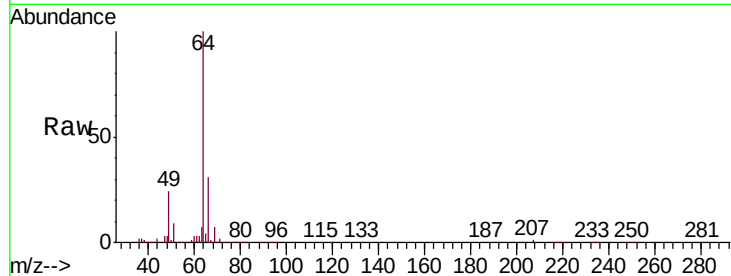




#8
Chloroethane
Concen: 22.381 ug/L
RT: 2.92 min Scan# 219
Delta R.T. 0.00 min
Lab File: VW004975.D
Acq: 28 Aug 2018 09:54

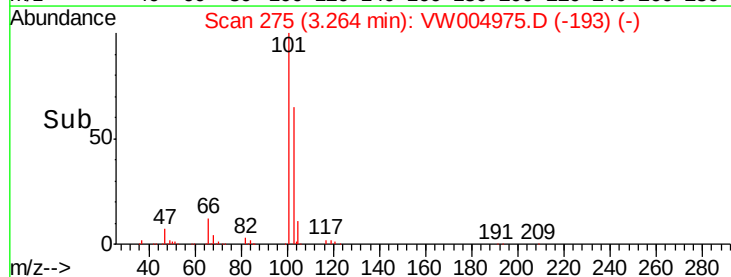
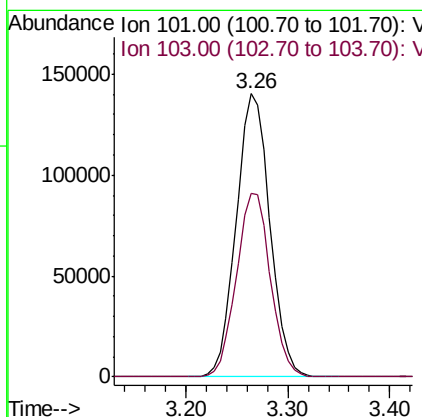
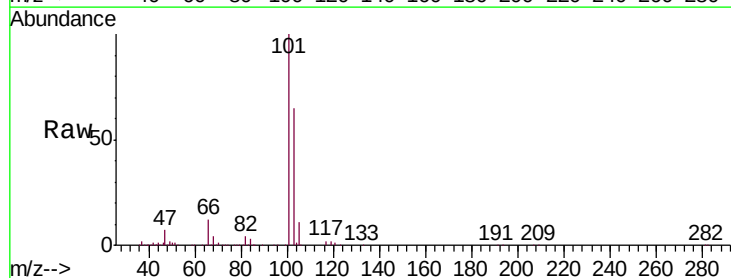
Instrument :
MSVOA_W
ClientSampleId :
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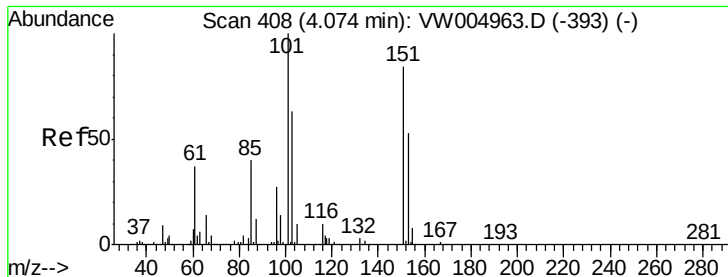
Tgt Ion: 64 Resp: 188785
Ion Ratio Lower Upper
64 100
66 30.9 21.5 39.9



#9
Trichlorofluoromethane
Concen: 21.038 ug/L
RT: 3.26 min Scan# 275
Delta R.T. 0.00 min
Lab File: VW004975.D
Acq: 28 Aug 2018 09:54

Tgt Ion: 101 Resp: 321344
Ion Ratio Lower Upper
101 100
103 65.4 45.1 83.7





#11

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

Concen: 22.412 ug/L

RT: 4.07 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW004975.D

Acq: 28 Aug 2018 09:54

Instrument :

MSVOA_W

ClientSampleId :

BFB85

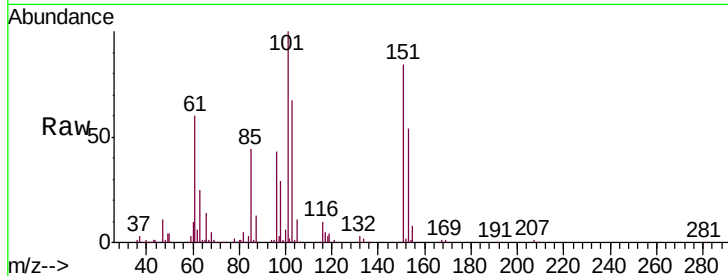
Tgt Ion:101 Resp: 204772

Ion Ratio Lower Upper

101 100

85 41.7 34.2 51.2

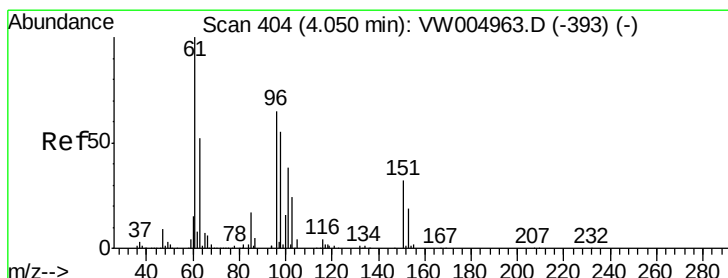
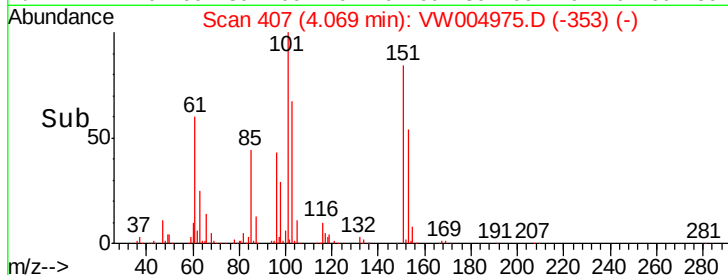
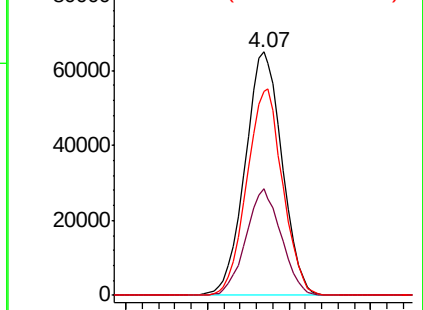
151 82.5 64.1 96.1



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: 21.982 ug/L

RT: 4.04 min Scan# 403

Delta R.T. -0.01 min

Lab File: VW004975.D

Acq: 28 Aug 2018 09:54

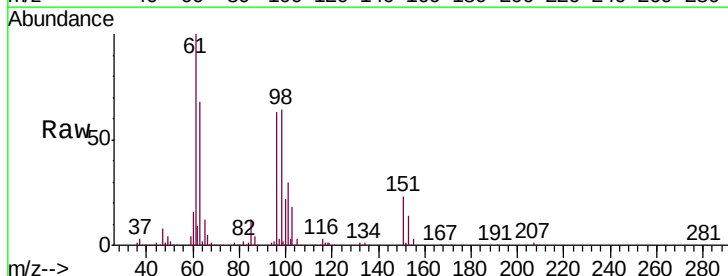
Tgt Ion: 96 Resp: 178902

Ion Ratio Lower Upper

96 100

61 157.8 107.0 198.8

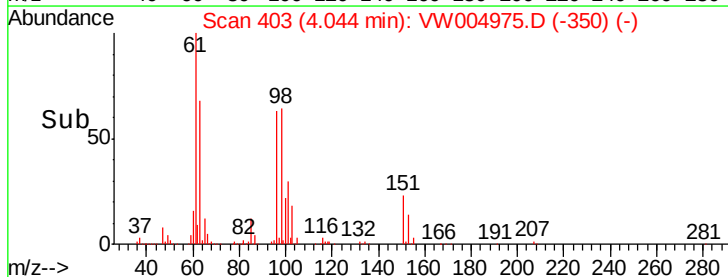
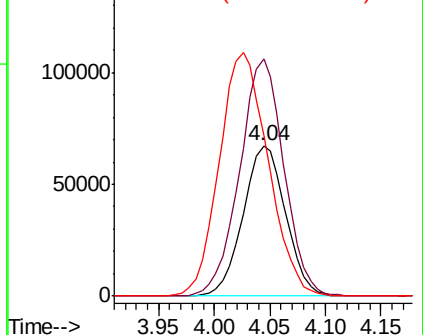
63 106.6 76.9 142.7

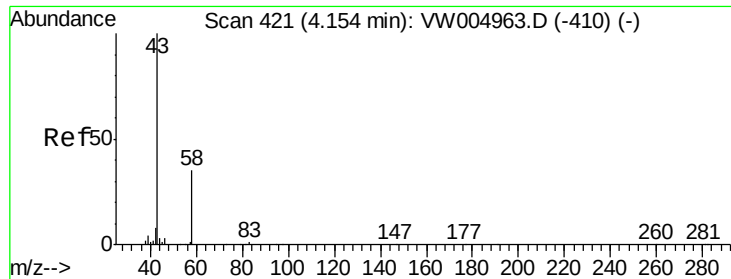


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW

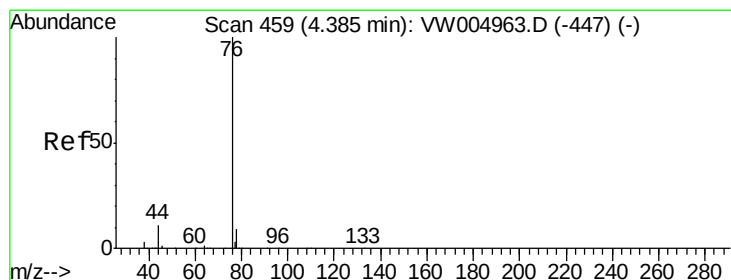
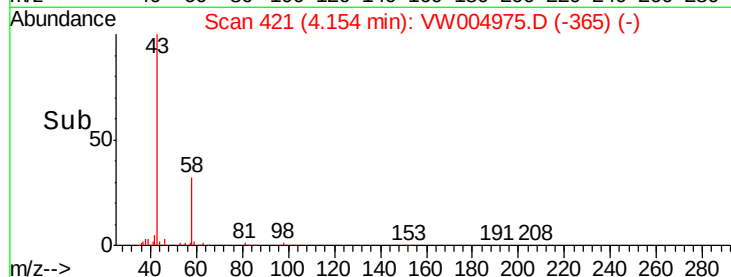
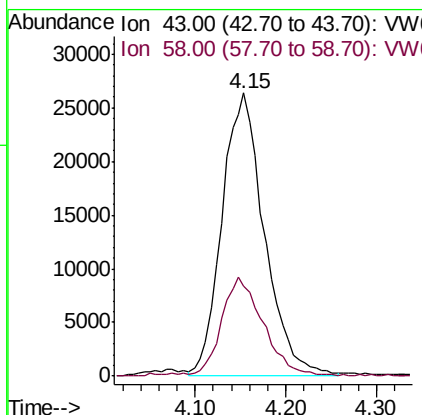
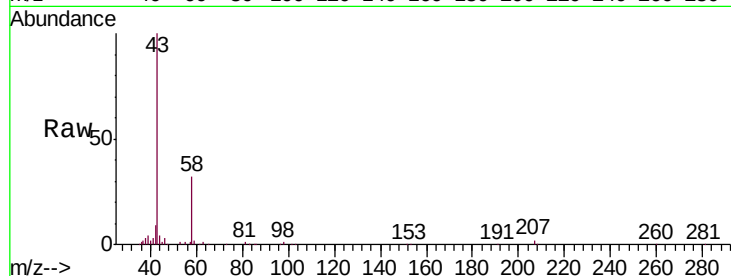




#13
Acetone
Concen: 40.802 ug/L
RT: 4.15 min Scan# 421
Delta R.T. 0.01 min
Lab File: VW004975.D
Acq: 28 Aug 2018 09:54

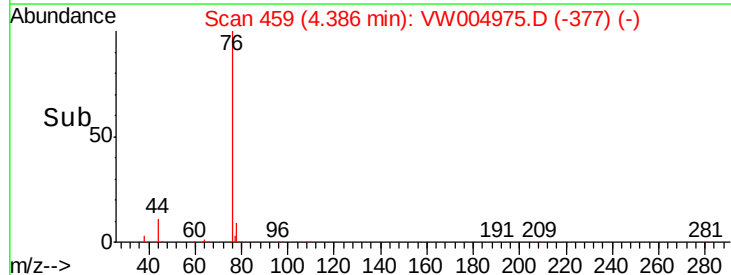
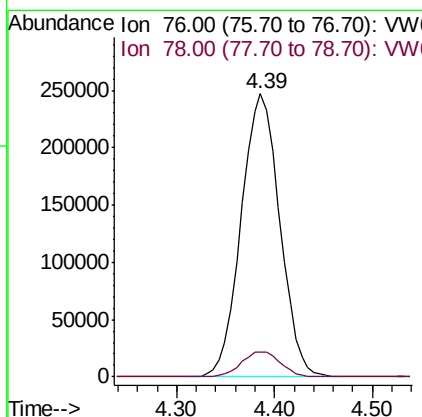
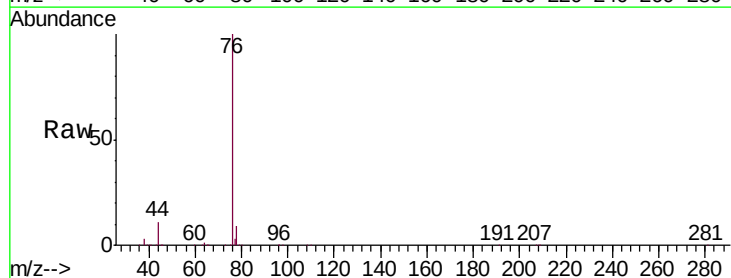
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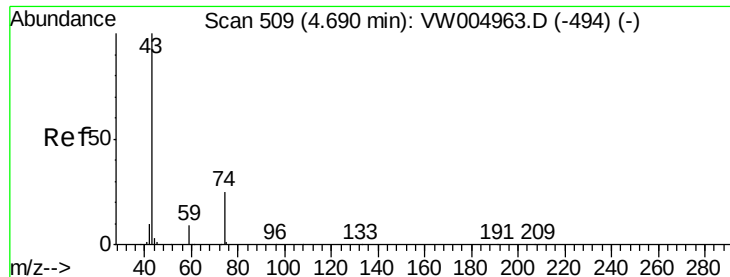
Tgt Ion: 43 Resp: 84990
Ion Ratio Lower Upper
43 100
58 34.3 0.0 69.4



#14
Carbon disulfide
Concen: 20.095 ug/L
RT: 4.39 min Scan# 459
Delta R.T. 0.00 min
Lab File: VW004975.D
Acq: 28 Aug 2018 09:54

Tgt Ion: 76 Resp: 677668
Ion Ratio Lower Upper
76 100
78 8.7 7.4 11.0

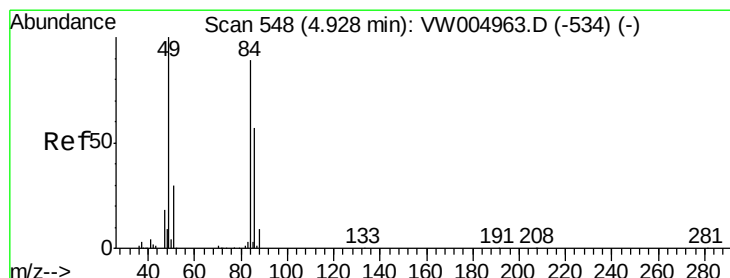
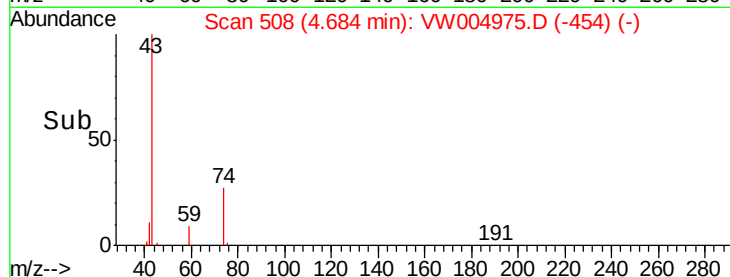
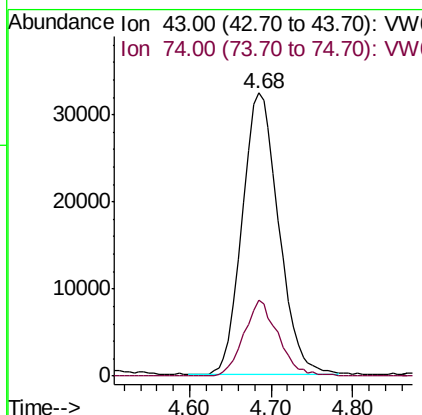
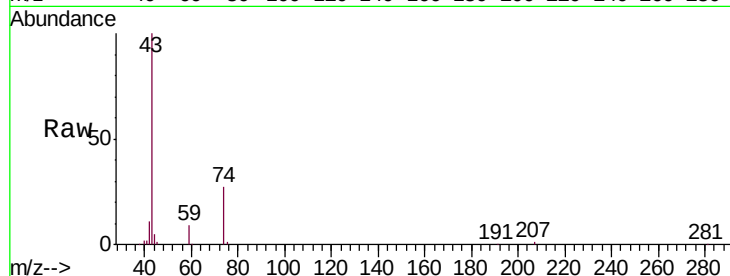




#15
Methyl Acetate
Concen: 21.438 ug/L
RT: 4.68 min Scan# 508
Delta R.T. 0.00 min
Lab File: VW004975.D
Acq: 28 Aug 2018 09:54

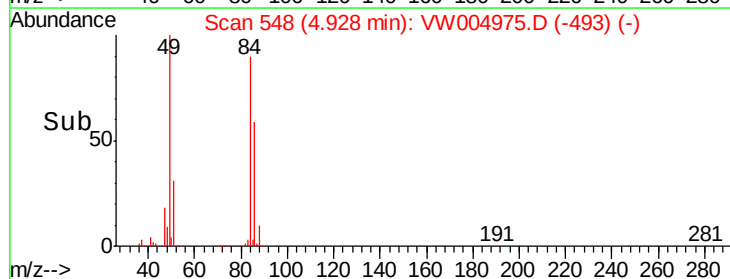
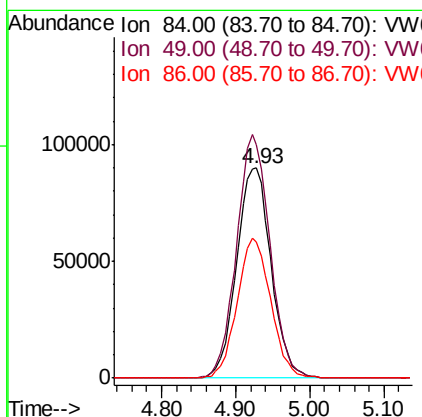
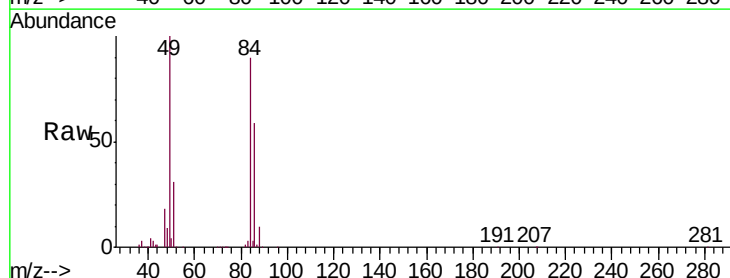
Instrument :
MSVOA_W
ClientSampleId :
BFB85

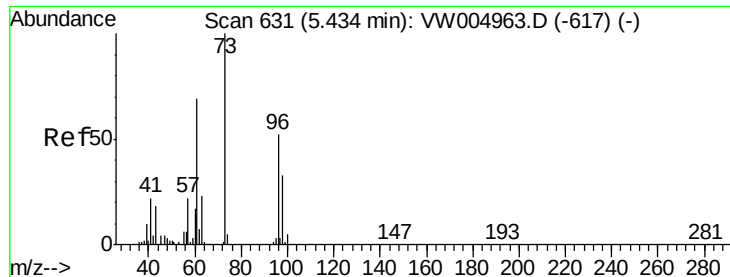
Tgt Ion: 43 Resp: 100969
Ion Ratio Lower Upper
43 100
74 25.2 18.6 27.8



#16
Methylene chloride
Concen: 21.577 ug/L
RT: 4.93 min Scan# 548
Delta R.T. 0.01 min
Lab File: VW004975.D
Acq: 28 Aug 2018 09:54

Tgt Ion: 84 Resp: 292493
Ion Ratio Lower Upper
84 100
49 111.2 83.8 155.6
86 65.1 42.6 79.0

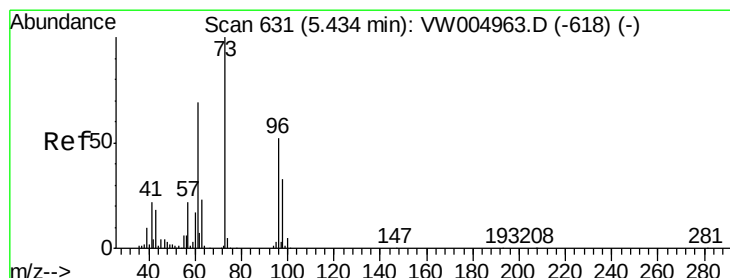
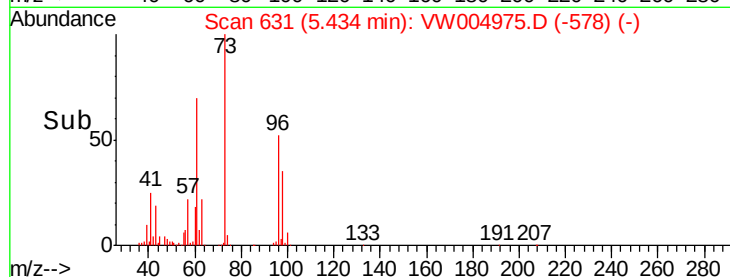
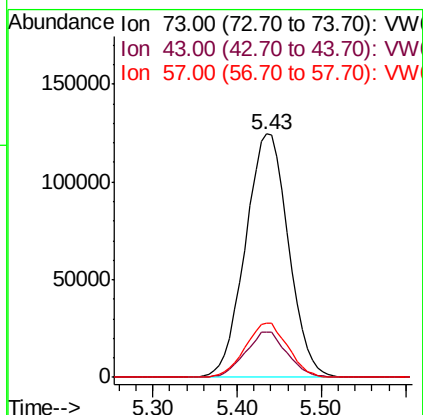
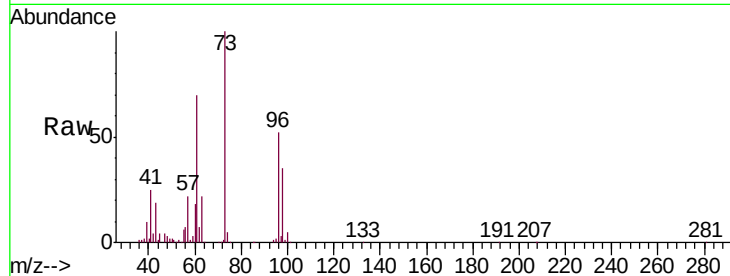




#17
Methyl tert-butyl Ether
Concen: 24.680 ug/L
RT: 5.43 min Scan# 631
Delta R.T. -0.01 min
Lab File: VW004975.D
Acq: 28 Aug 2018 09:54

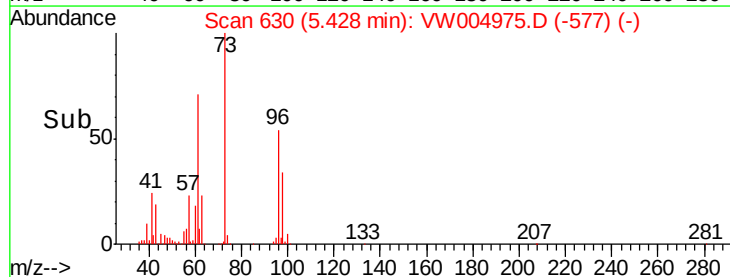
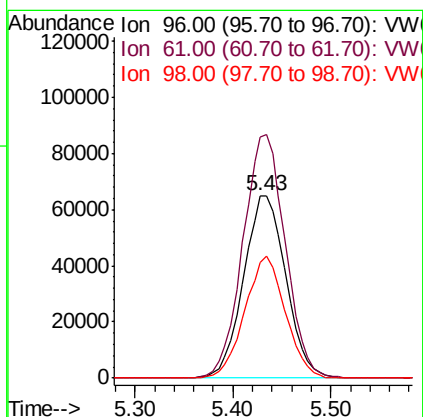
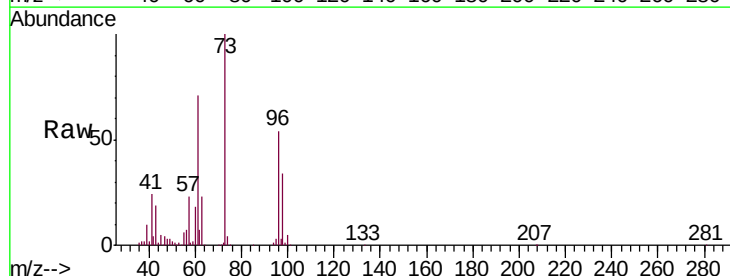
Instrument :
MSVOA_W
ClientSampleId :
BFB85

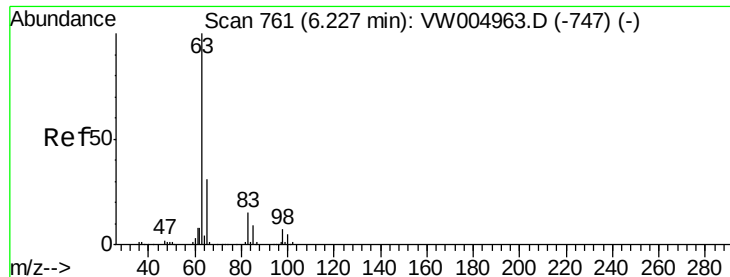
Tgt Ion: 73 Resp: 433881
Ion Ratio Lower Upper
73 100
43 18.2 14.6 22.0
57 22.3 18.2 27.4



#18
trans-1,2-Dichloroethene
Concen: 23.027 ug/L
RT: 5.43 min Scan# 630
Delta R.T. -0.01 min
Lab File: VW004975.D
Acq: 28 Aug 2018 09:54

Tgt Ion: 96 Resp: 195153
Ion Ratio Lower Upper
96 100
61 131.7 92.5 171.9
98 63.1 42.8 79.4

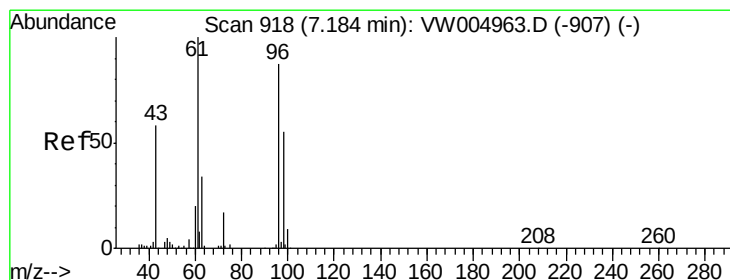
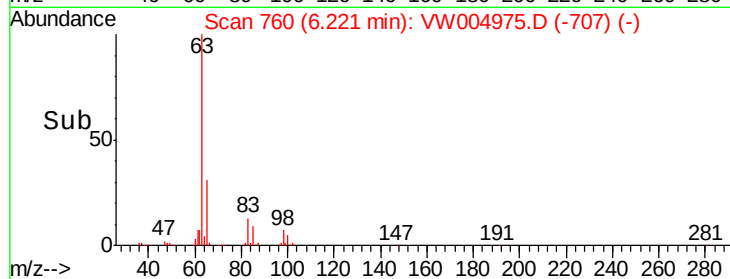
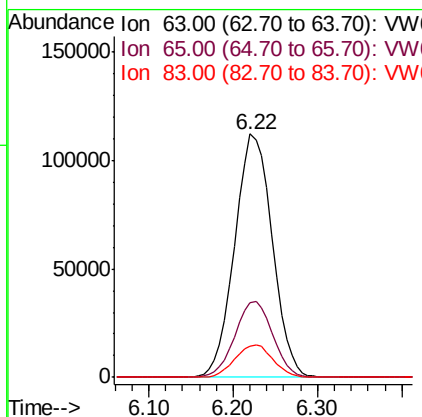
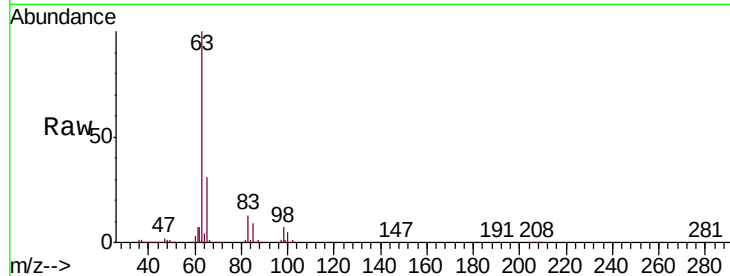




#19
 1,1-Dichloroethane
 Concen: 22.003 ug/L
 RT: 6.22 min Scan# 760
 Delta R.T. -0.01 min
 Lab File: VW004975.D
 Acq: 28 Aug 2018 09:54

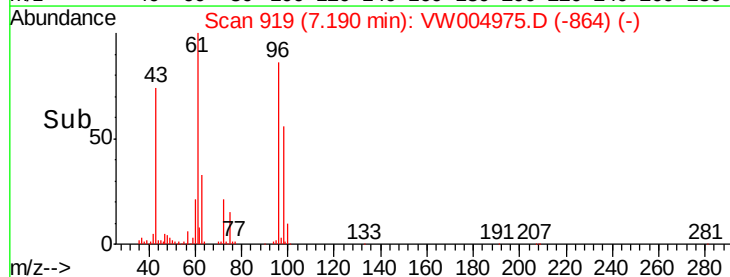
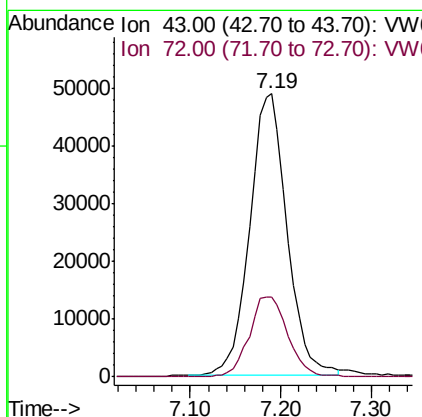
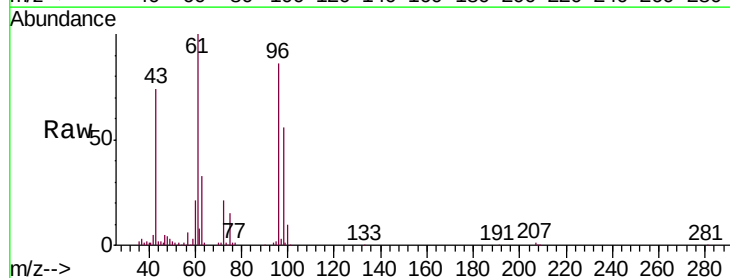
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB85

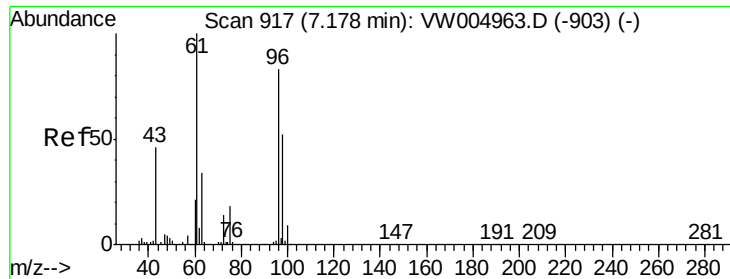
Tgt Ion: 63 Resp: 340383
 Ion Ratio Lower Upper
 63 100
 65 30.9 20.5 38.1
 83 13.0 8.8 16.4



#21
 2-Butanone
 Concen: 43.260 ug/L
 RT: 7.19 min Scan# 919
 Delta R.T. 0.01 min
 Lab File: VW004975.D
 Acq: 28 Aug 2018 09:54

Tgt Ion: 43 Resp: 138753
 Ion Ratio Lower Upper
 43 100
 72 29.7 14.2 42.8



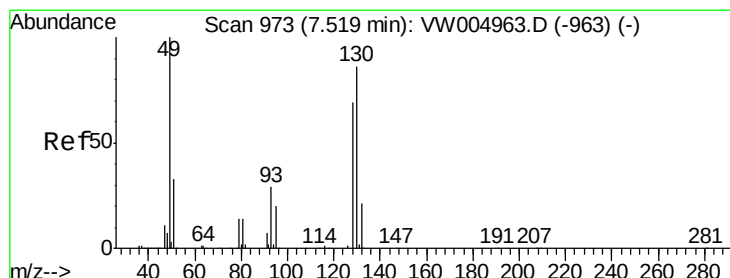
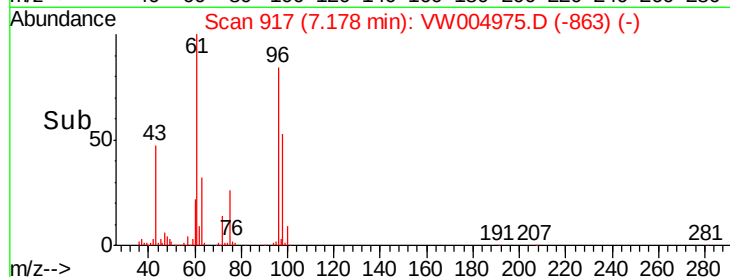
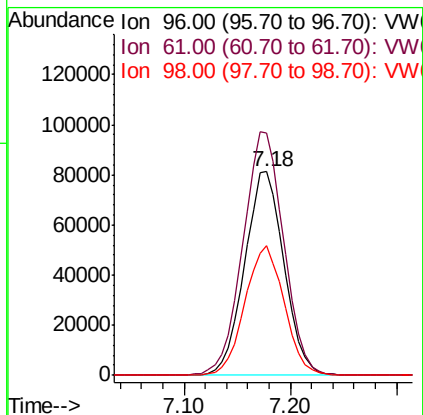
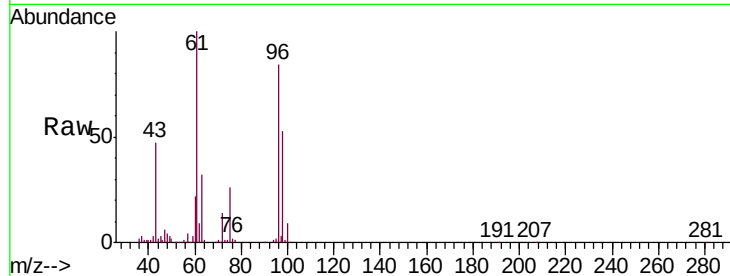


#22

cis-1,2-Dichloroethene
 Concen: 23.159 ug/L
 RT: 7.18 min Scan# 917
 Delta R.T. 0.00 min
 Lab File: VW004975.D
 Acq: 28 Aug 2018 09:54

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB85

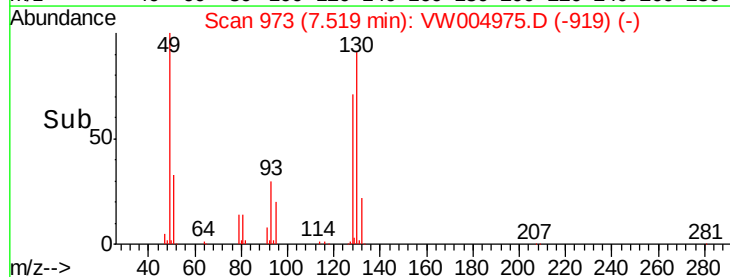
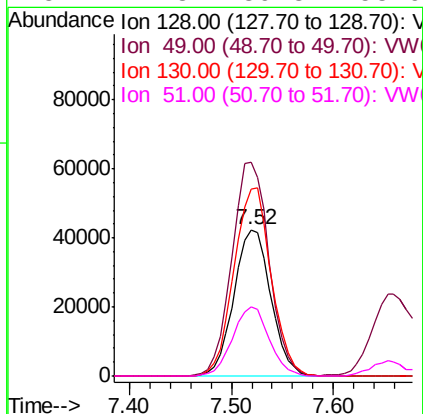
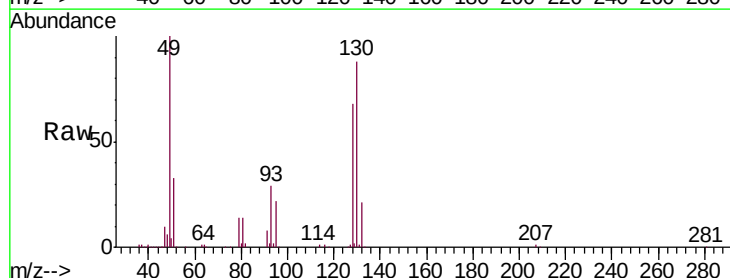
Tgt Ion	Ratio	Lower	Upper
96	100		
61	119.0	89.7	166.7
98	63.5	45.0	83.6

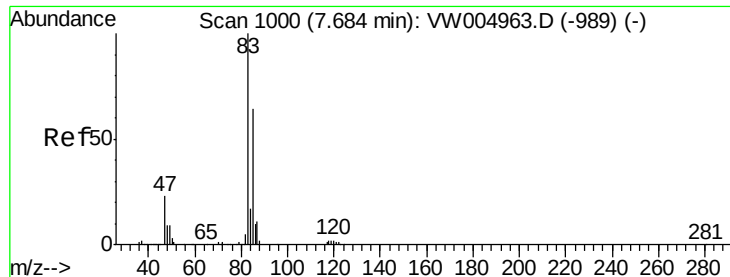


#23

Bromochloromethane
 Concen: 22.032 ug/L
 RT: 7.52 min Scan# 973
 Delta R.T. 0.00 min
 Lab File: VW004975.D
 Acq: 28 Aug 2018 09:54

Tgt Ion	Ratio	Lower	Upper
128	100		
49	146.2	111.3	206.7
130	128.1	90.2	167.6
51	47.8	39.3	58.9





#25

Chloroform

Concen: 22.982 ug/L

RT: 7.68 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VW004975.D

Acq: 28 Aug 2018 09:54

Instrument :

MSVOA_W

ClientSampleId :

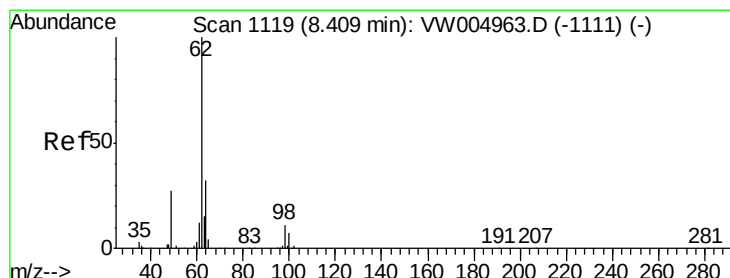
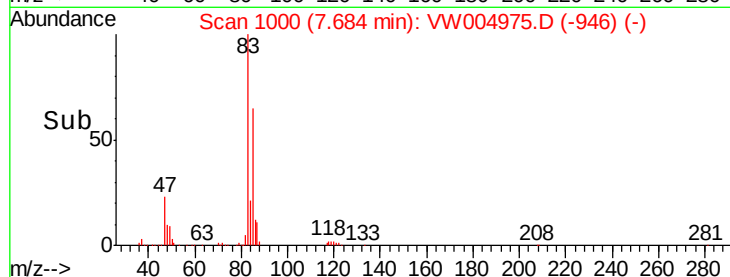
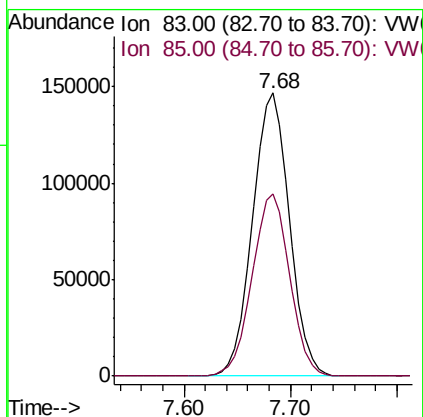
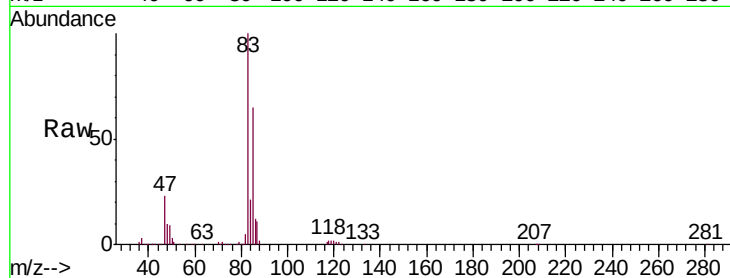
BFB85

Tgt Ion: 83 Resp: 356347

Ion Ratio Lower Upper

83 100

85 65.8 46.3 85.9



#27

1,2-Dichloroethane

Concen: 21.705 ug/L

RT: 8.40 min Scan# 1118

Delta R.T. 0.00 min

Lab File: VW004975.D

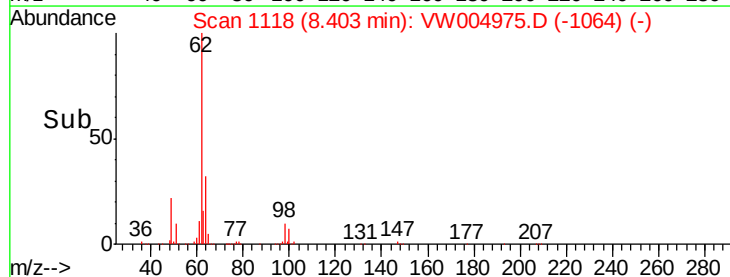
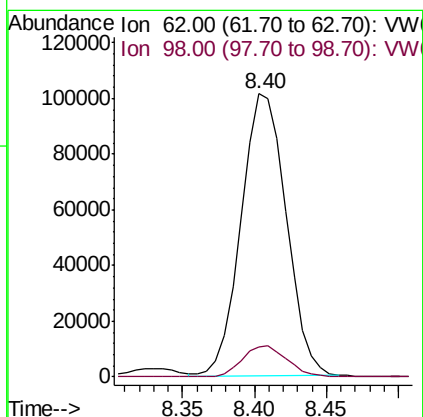
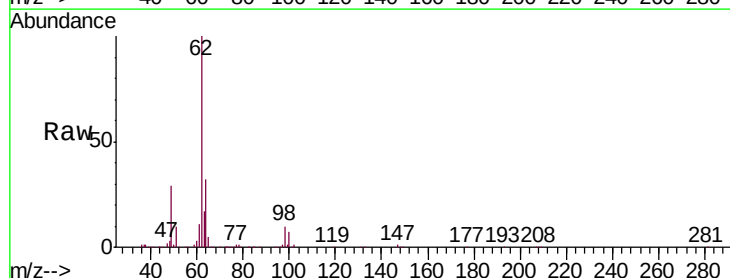
Acq: 28 Aug 2018 09:54

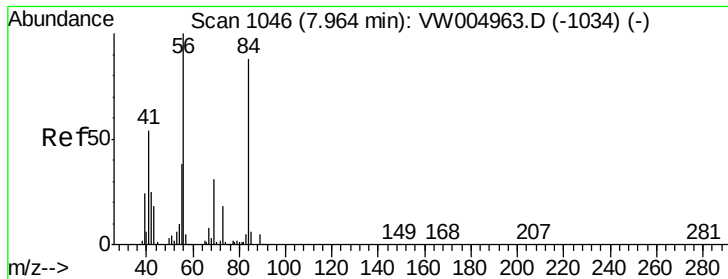
Tgt Ion: 62 Resp: 220588

Ion Ratio Lower Upper

62 100

98 10.4 8.0 12.0

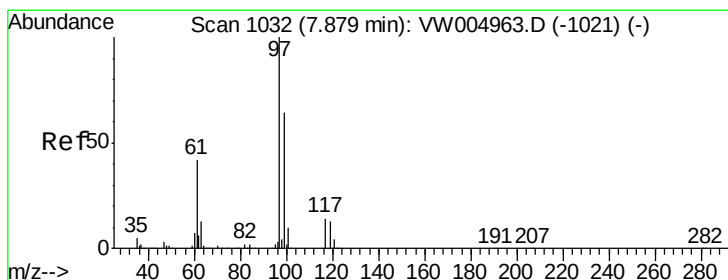
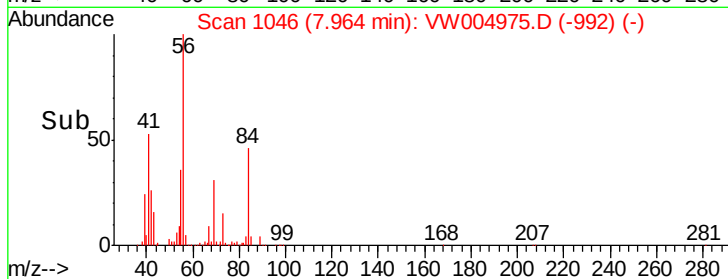
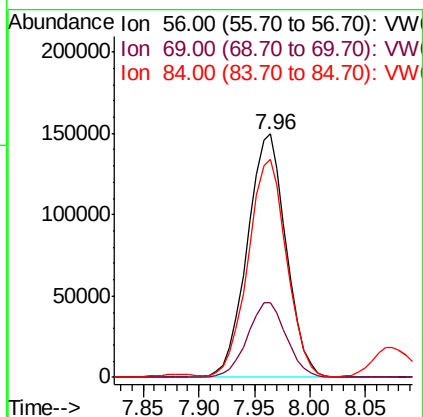
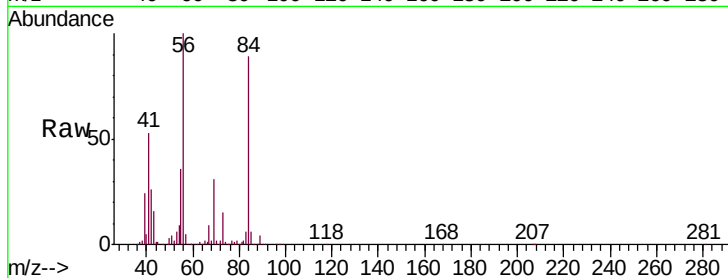




#30
Cyclohexane
Concen: 24.004 ug/L
RT: 7.96 min Scan# 1046
Delta R.T. 0.00 min
Lab File: VW004975.D
Acq: 28 Aug 2018 09:54

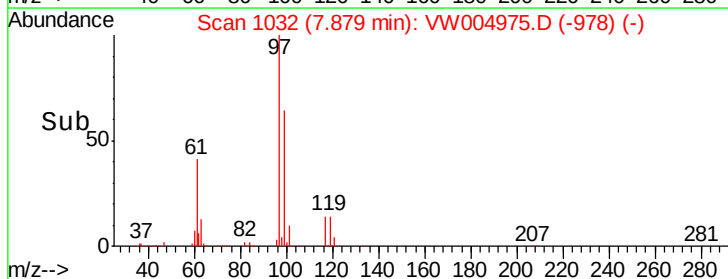
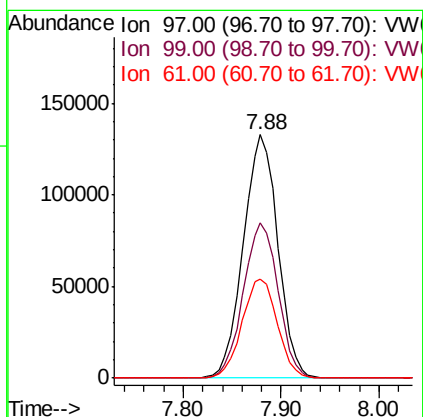
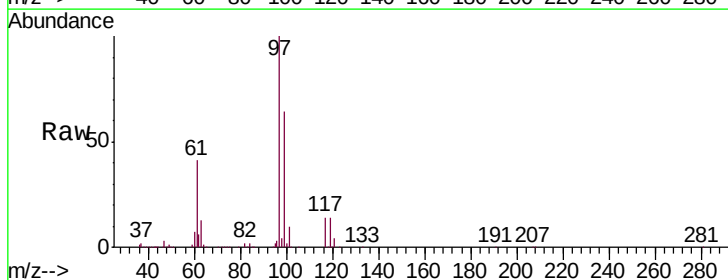
Instrument :
MSVOA_W
ClientSampleId :
BFB85

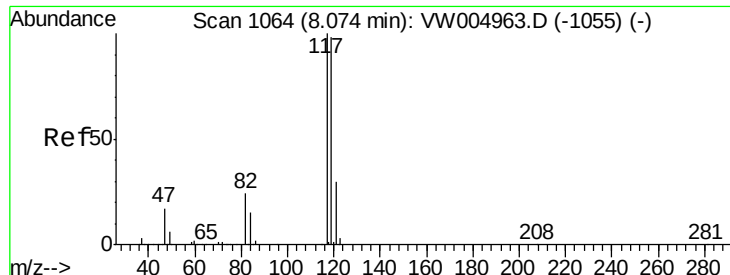
Tgt Ion	Resp	Lower	Upper
56	363264		
69	30.9	24.1	36.1
84	89.4	67.7	101.5



#31
1,1,1-Trichloroethane
Concen: 23.820 ug/L
RT: 7.88 min Scan# 1032
Delta R.T. 0.00 min
Lab File: VW004975.D
Acq: 28 Aug 2018 09:54

Tgt Ion	Resp	Lower	Upper
97	326165		
99	64.4	51.2	76.8
61	41.5	34.9	52.3





#32

Carbon tetrachloride

Concen: 24.285 ug/L

RT: 8.07 min Scan# 1064

Delta R.T. 0.00 min

Lab File: VW004975.D

Acq: 28 Aug 2018 09:54

Instrument :

MSVOA_W

ClientSampled :

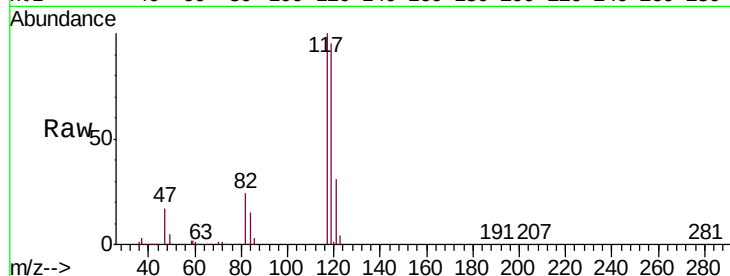
BFB85

Tgt Ion:117 Resp: 297431

Ion Ratio Lower Upper

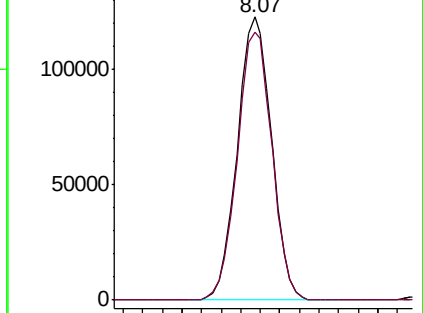
117 100

119 95.9 78.2 117.4

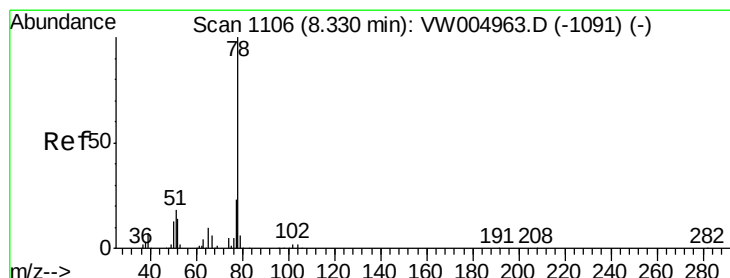
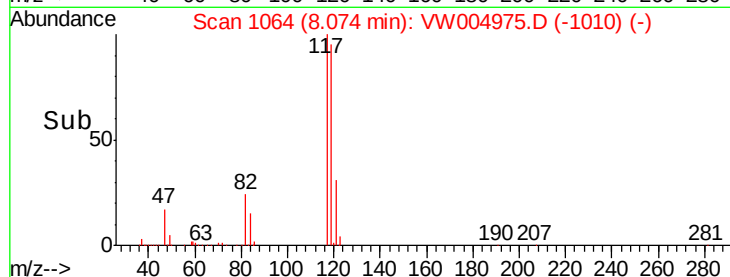


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



Time-->



#34

Benzene

Concen: 24.070 ug/L

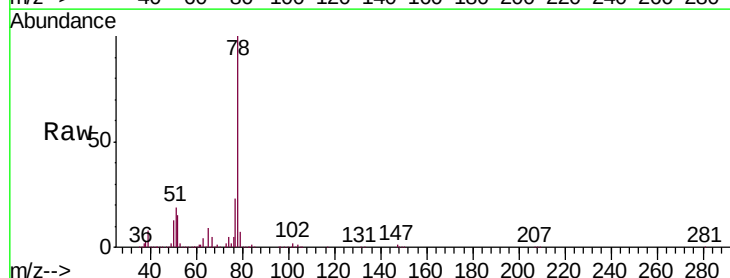
RT: 8.33 min Scan# 1106

Delta R.T. 0.00 min

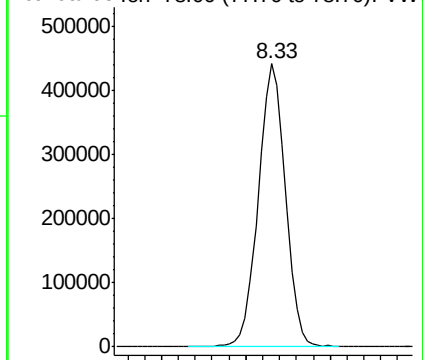
Lab File: VW004975.D

Acq: 28 Aug 2018 09:54

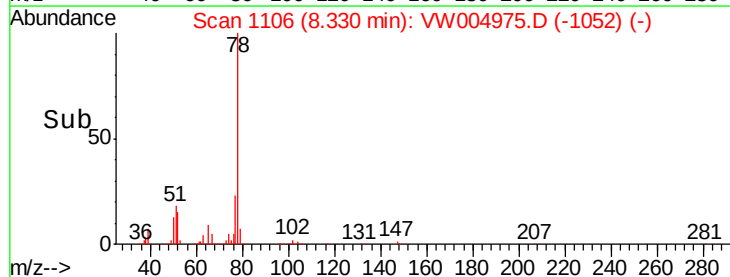
Tgt Ion: 78 Resp: 975670

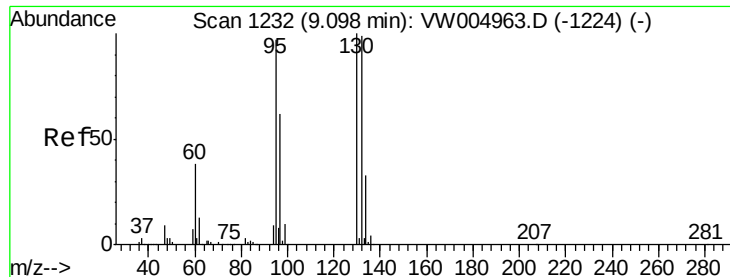


Abundance Ion 78.00 (77.70 to 78.70): VW



Time-->





#35

Trichloroethene

Concen: 23.722 ug/L

RT: 9.10 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VW004975.D

Acq: 28 Aug 2018 09:54

Instrument :

MSVOA_W

ClientSampleId :

BFB85

Tgt Ion: 95 Resp: 239100

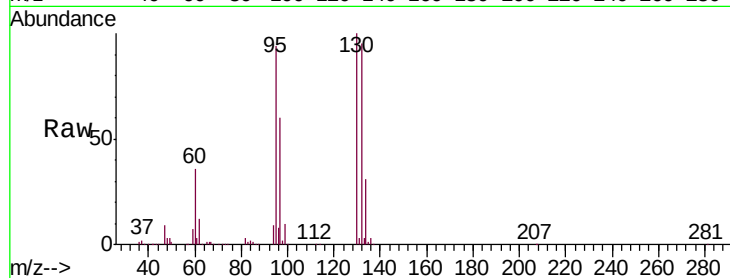
Ion Ratio Lower Upper

95 100

97 63.1 45.9 85.3

132 100.0 69.2 128.4

130 103.5 72.7 135.1

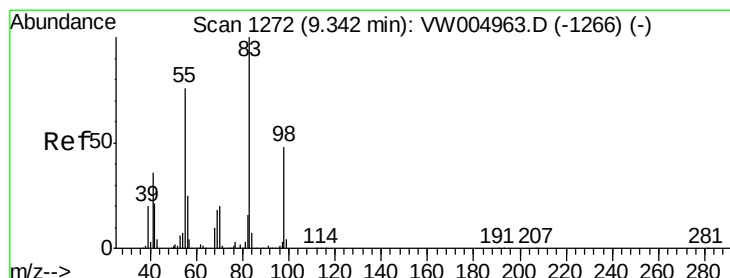
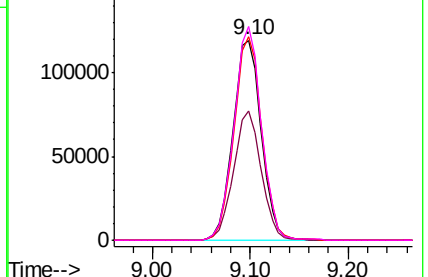
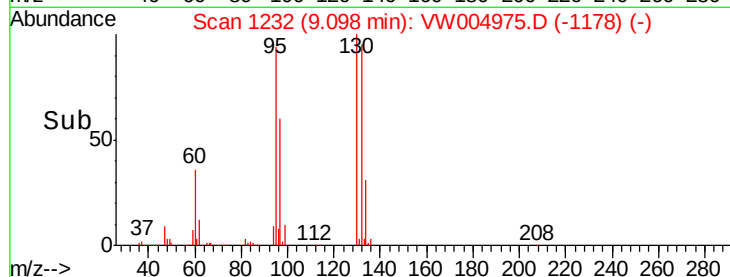


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#36

Methylcyclohexane

Concen: 23.151 ug/L

RT: 9.34 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VW004975.D

Acq: 28 Aug 2018 09:54

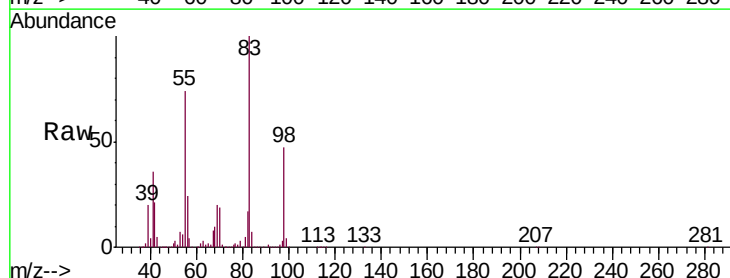
Tgt Ion: 83 Resp: 431602

Ion Ratio Lower Upper

83 100

55 75.8 61.1 91.7

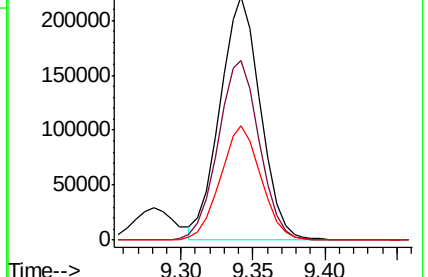
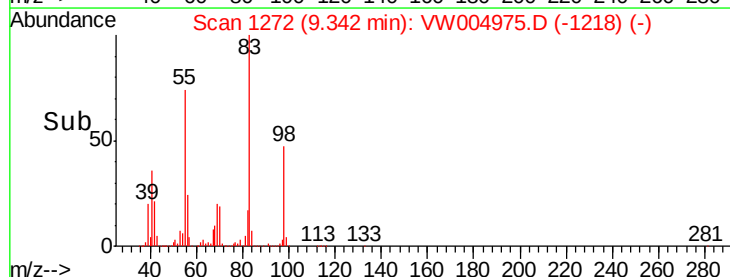
98 47.6 37.0 55.4

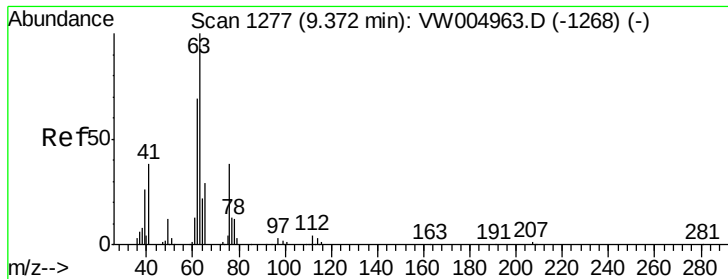


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

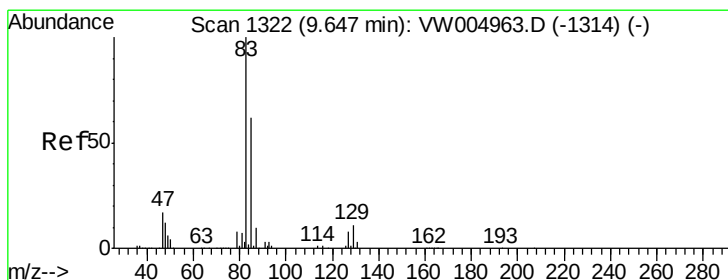
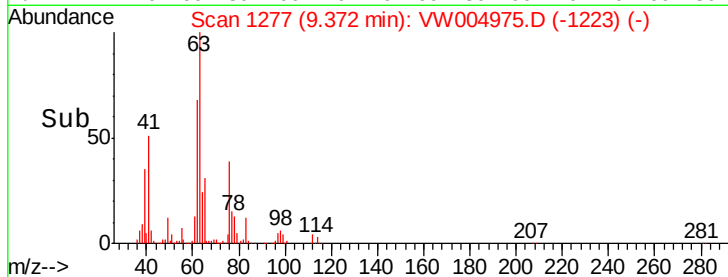
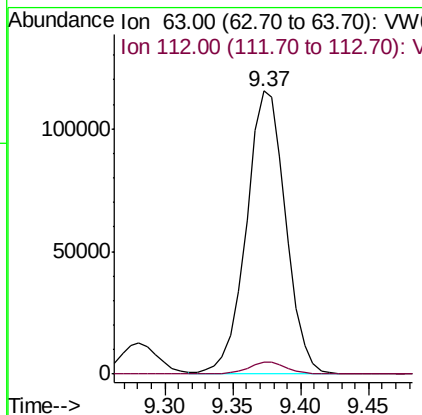
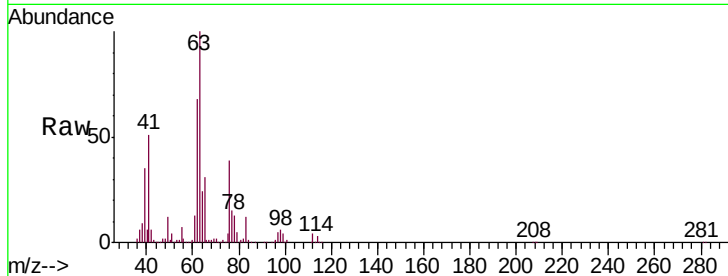




#40
 1,2-Dichloropropane
 Concen: 23.486 ug/L
 RT: 9.37 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VW004975.D
 Acq: 28 Aug 2018 09:54

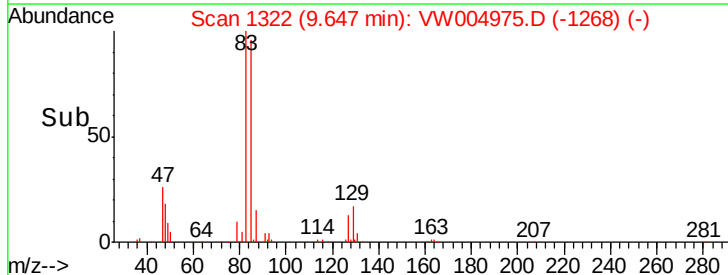
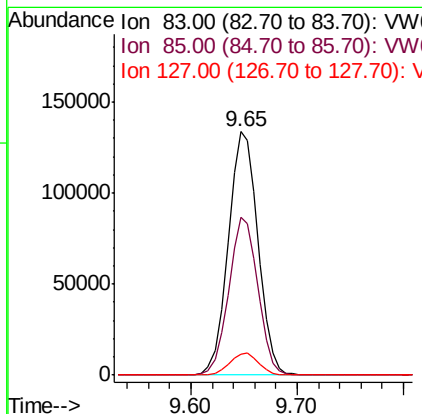
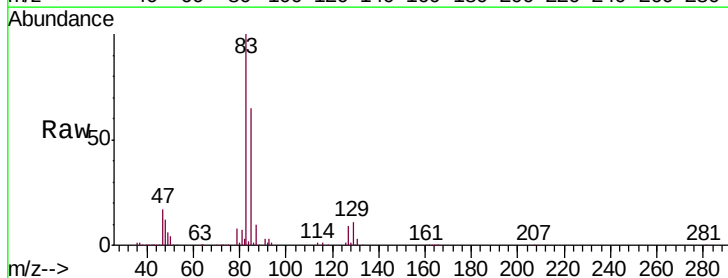
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB85

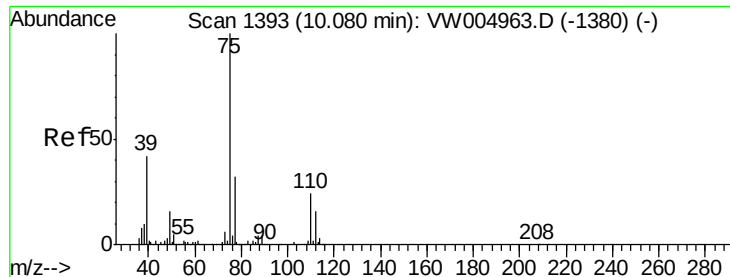
Tgt Ion: 63 Resp: 234187
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.2 4.8



#41
 Bromodichloromethane
 Concen: 23.728 ug/L
 RT: 9.65 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VW004975.D
 Acq: 28 Aug 2018 09:54

Tgt Ion: 83 Resp: 260701
 Ion Ratio Lower Upper
 83 100
 85 64.6 43.6 81.0
 127 8.8 7.0 10.6





#42

cis-1,3-Dichloropropene

Concen: 24.341 ug/L

RT: 10.08 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VW004975.D

Acq: 28 Aug 2018 09:54

Instrument :

MSVOA_W

ClientSampleId :

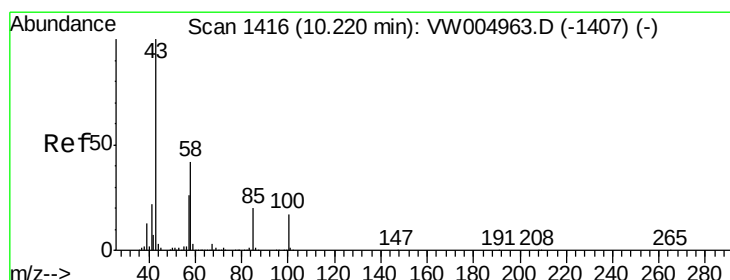
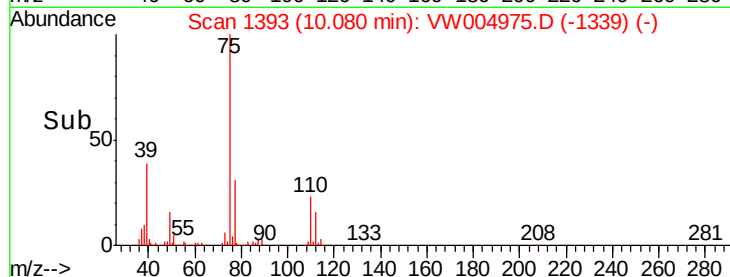
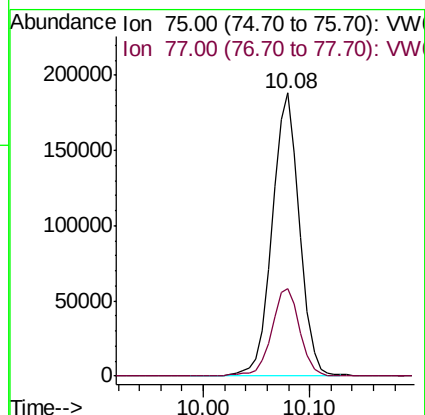
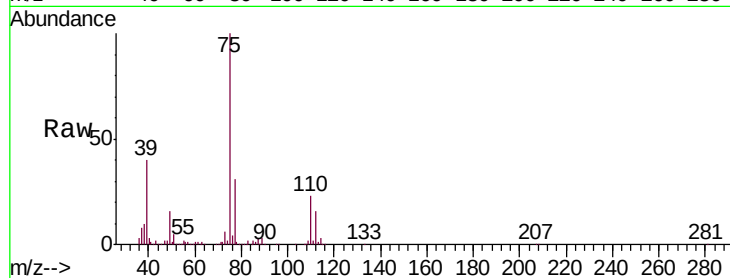
BFB85

Tgt Ion: 75 Resp: 336915

Ion Ratio Lower Upper

75 100

77 30.8 22.4 41.6



#43

4-Methyl-2-pentanone

Concen: 45.873 ug/L

RT: 10.21 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VW004975.D

Acq: 28 Aug 2018 09:54

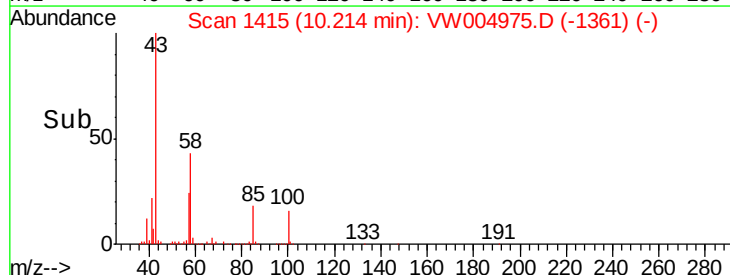
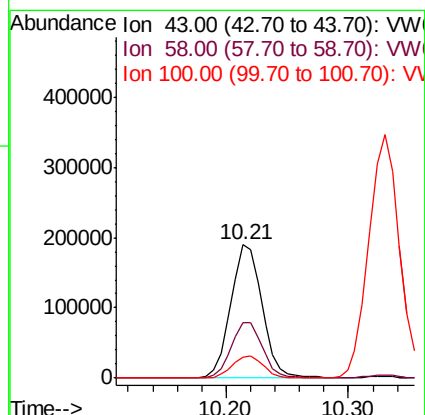
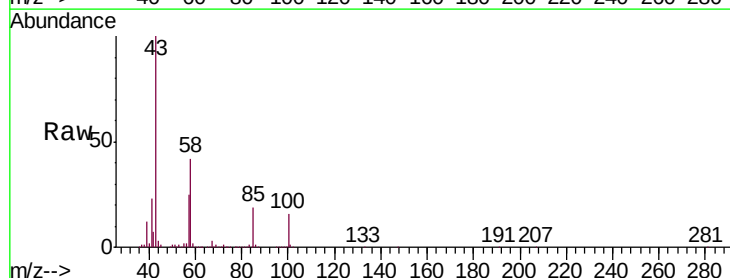
Tgt Ion: 43 Resp: 337660

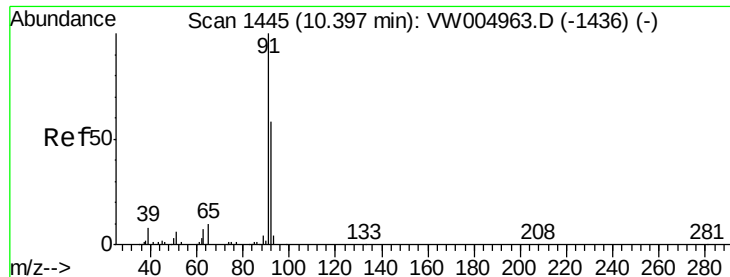
Ion Ratio Lower Upper

43 100

58 41.9 32.1 48.1

100 16.4 12.6 18.8





#44

Toluene

Concen: 24.471 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. -0.01 min

Lab File: VW004975.D

Acq: 28 Aug 2018 09:54

Instrument :

MSVOA_W

ClientSampled :

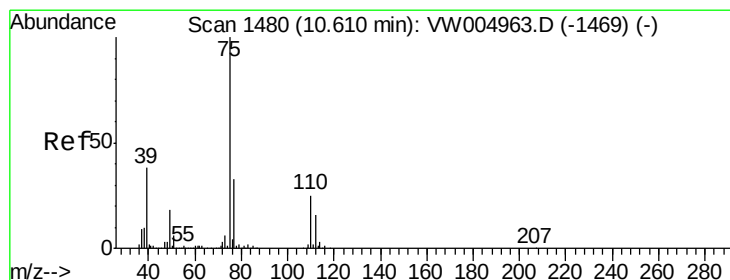
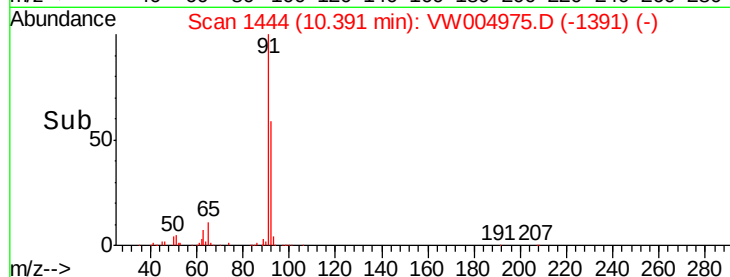
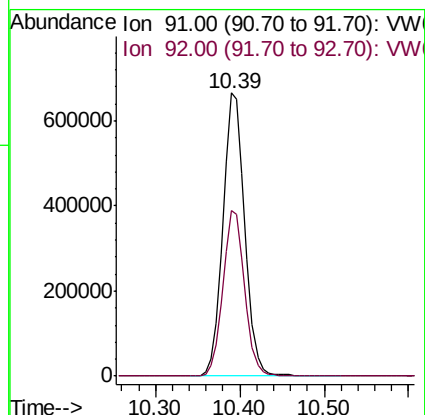
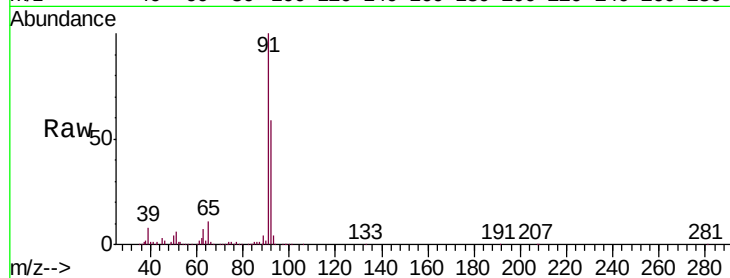
BFB85

Tgt Ion: 91 Resp: 1191216

Ion Ratio Lower Upper

91 100

92 58.7 40.6 75.4



#45

trans-1,3-Dichloropropene

Concen: 23.770 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW004975.D

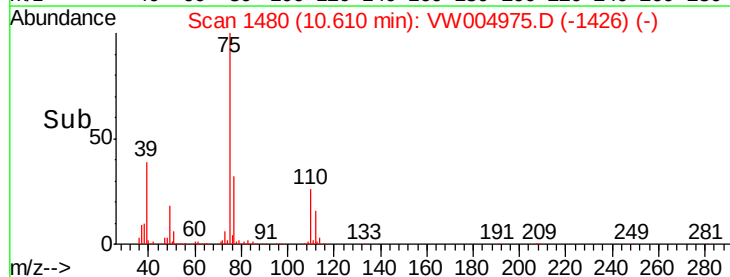
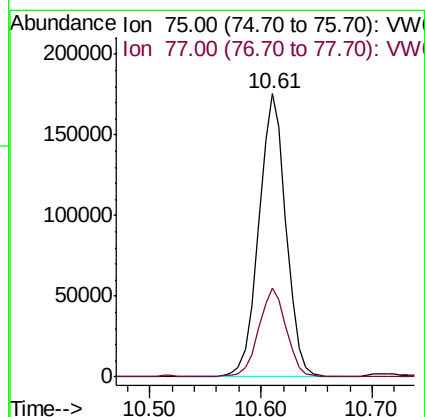
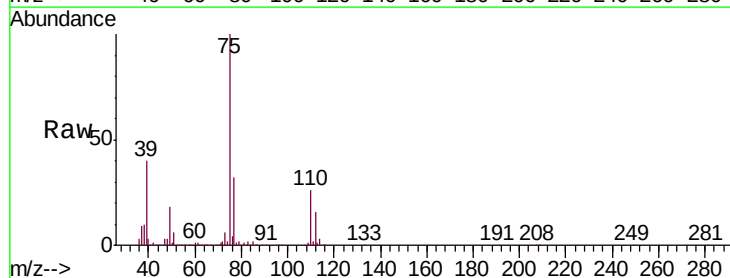
Acq: 28 Aug 2018 09:54

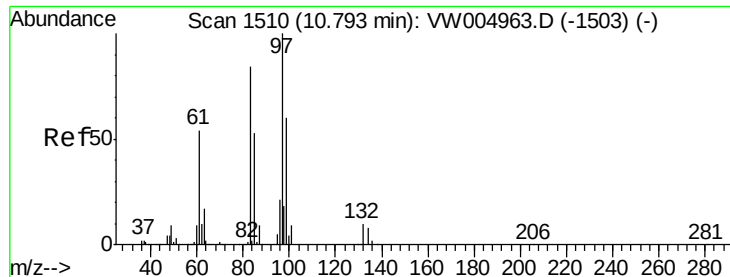
Tgt Ion: 75 Resp: 298390

Ion Ratio Lower Upper

75 100

77 31.6 22.2 41.2

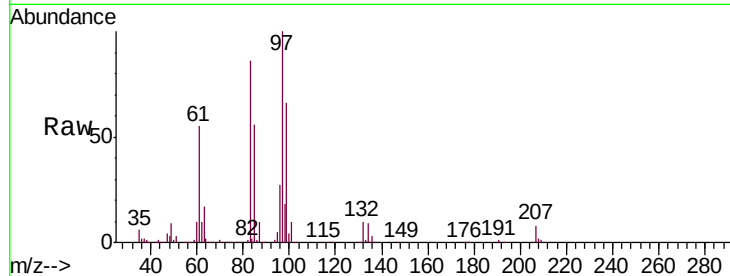




#46
 1,1,2-Trichloroethane
 Concen: 23.192 ug/L
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW004975.D
 Acq: 28 Aug 2018 09:54

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB85

Tgt Ion:	97	Resp:	180502
Ion	Ratio	Lower	Upper
97	100		
83	86.1	59.6	110.8
85	56.4	38.1	70.9
99	65.5	43.8	81.3



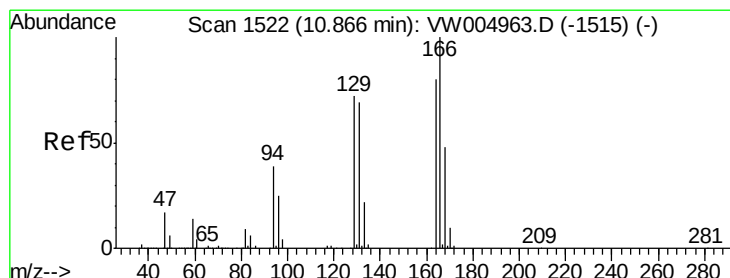
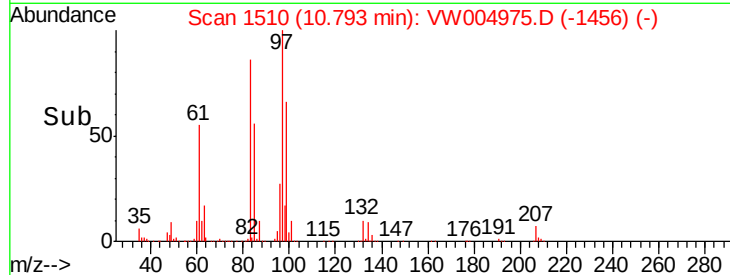
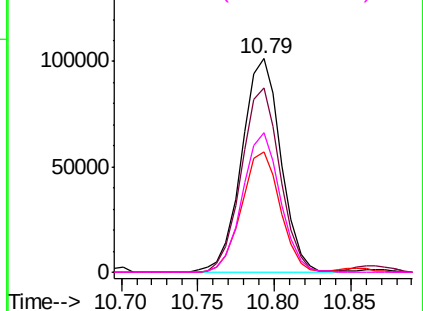
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

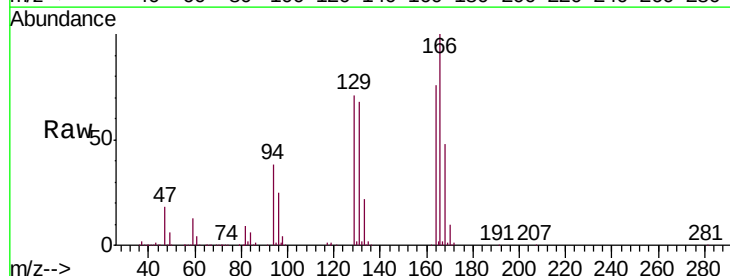
Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47
 Tetrachloroethene
 Concen: 24.144 ug/L
 RT: 10.87 min Scan# 1522
 Delta R.T. 0.00 min
 Lab File: VW004975.D
 Acq: 28 Aug 2018 09:54

Tgt Ion:	164	Resp:	238249
Ion	Ratio	Lower	Upper
164	100		
129	93.1	66.8	124.0
131	89.7	64.0	119.0
166	131.9	89.8	166.8



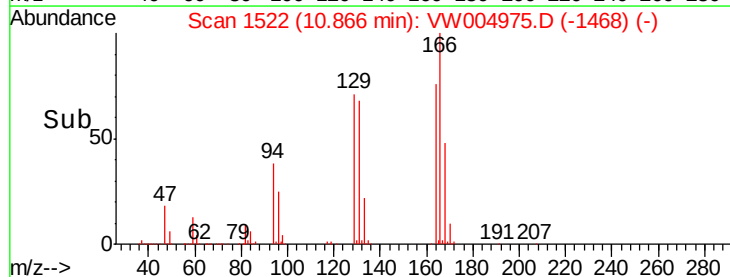
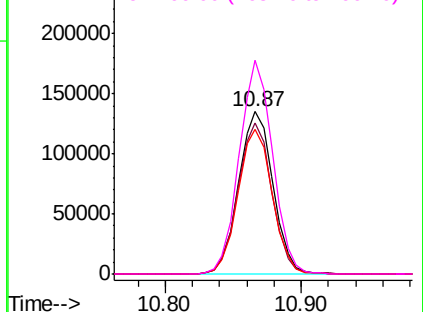
Abundance

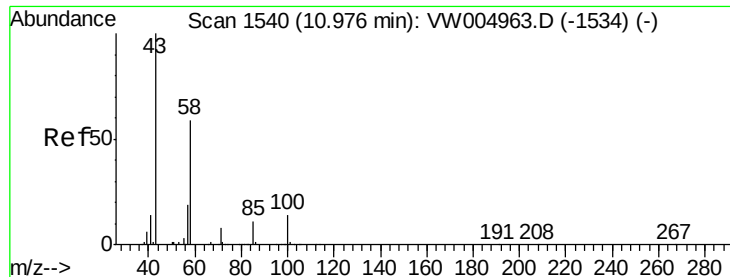
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

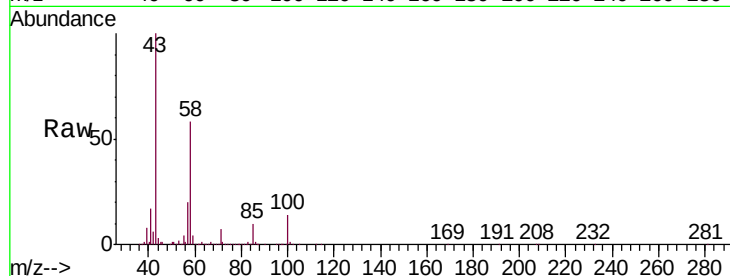




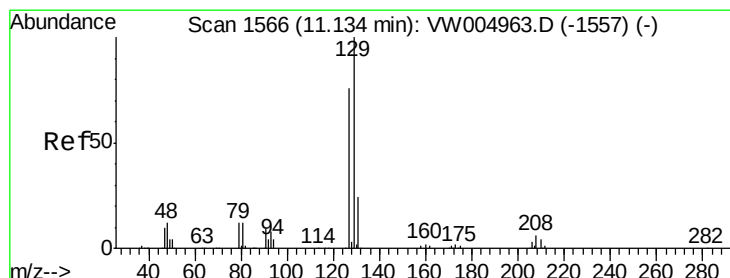
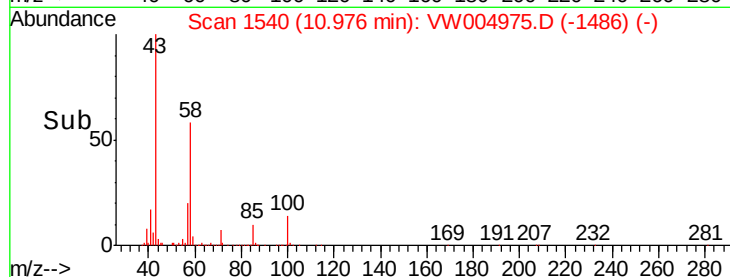
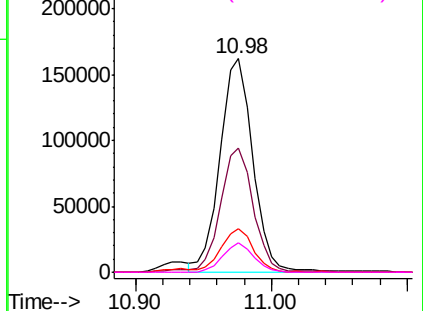
#49
2-Hexanone
Concen: 47.925 ug/L
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW004975.D
Acq: 28 Aug 2018 09:54

Instrument :
MSVOA_W
ClientSampled :
BFB85

Tgt Ion:	43	Resp:	272609
Ion	Ratio	Lower	Upper
43	100		
58	58.0	44.6	67.0
57	19.6	15.4	23.2
100	12.9	9.6	14.4

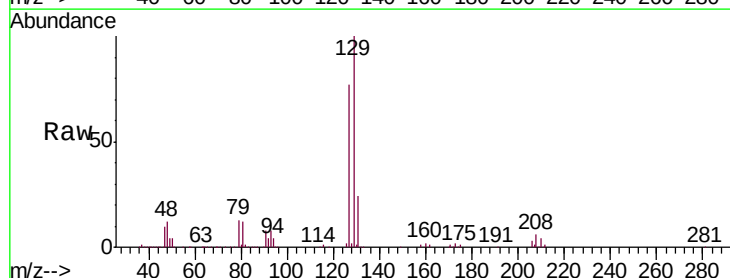


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW
Ion 57.00 (56.70 to 57.70): VW
Ion 100.00 (99.70 to 100.70): VW

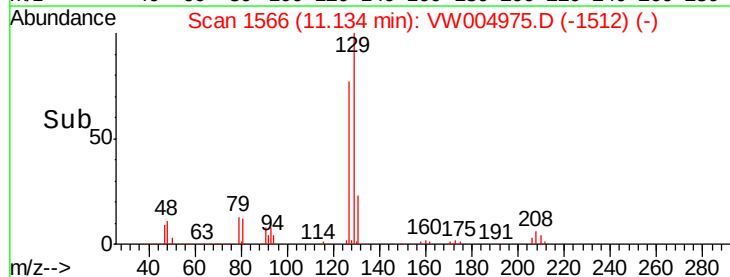
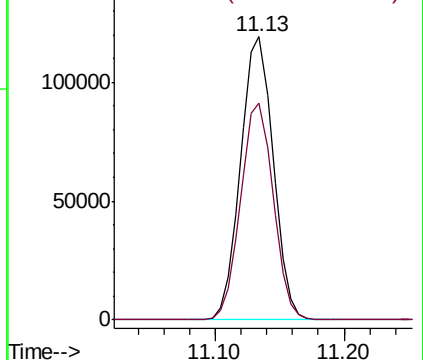


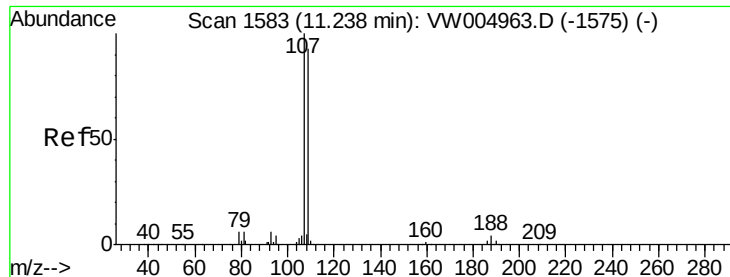
#50
Dibromochloromethane
Concen: 24.162 ug/L
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW004975.D
Acq: 28 Aug 2018 09:54

Tgt Ion:	129	Resp:	208774
Ion	Ratio	Lower	Upper
129	100		
127	76.7	53.8	99.8



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V





#51

1,2-Dibromoethane

Concen: 23.027 ug/L

RT: 11.24 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VW004975.D

Acq: 28 Aug 2018 09:54

Instrument :

MSVOA_W

ClientSampleId :

BFB85

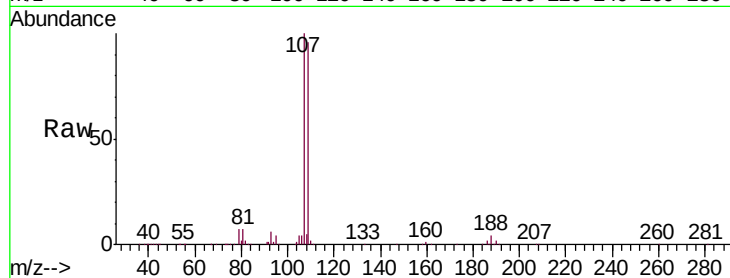
Tgt Ion:107 Resp: 175930

Ion Ratio Lower Upper

107 100

109 96.2 67.3 124.9

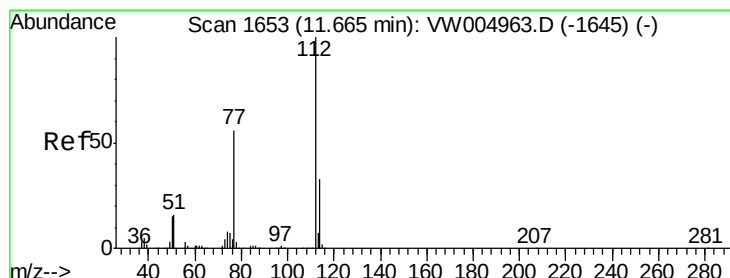
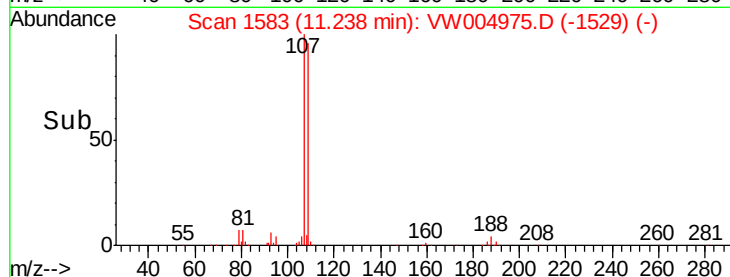
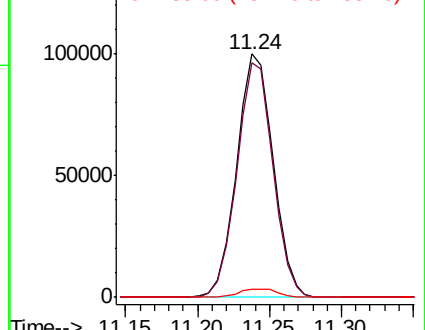
188 3.5 3.0 4.6



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: 24.107 ug/L

RT: 11.66 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VW004975.D

Acq: 28 Aug 2018 09:54

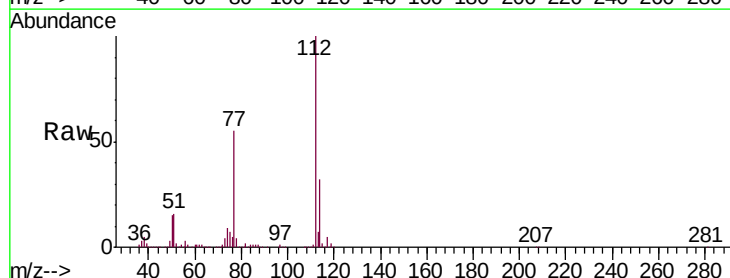
Tgt Ion:112 Resp: 779555

Ion Ratio Lower Upper

112 100

77 54.8 45.8 68.8

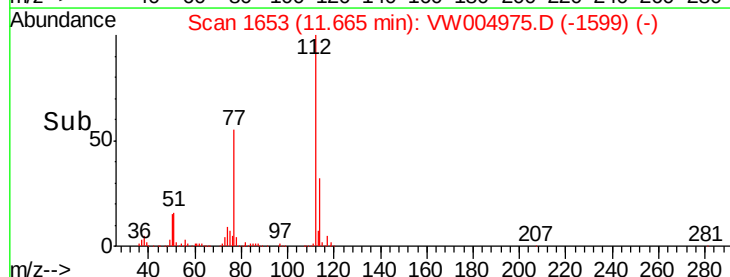
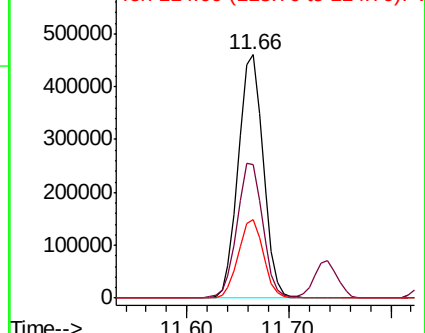
114 32.4 22.5 41.7

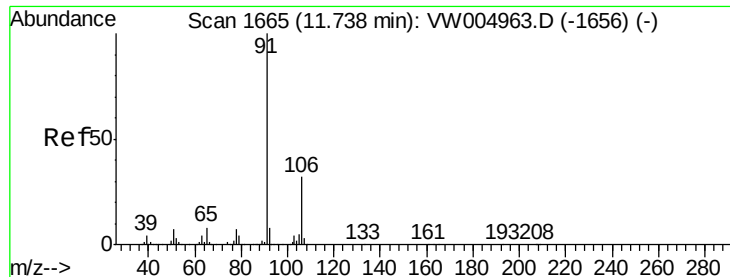


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 114.00 (113.70 to 114.70): V

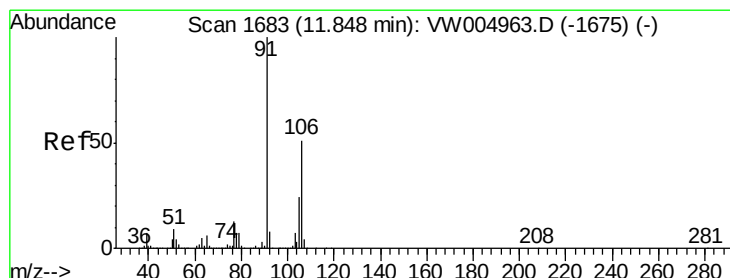
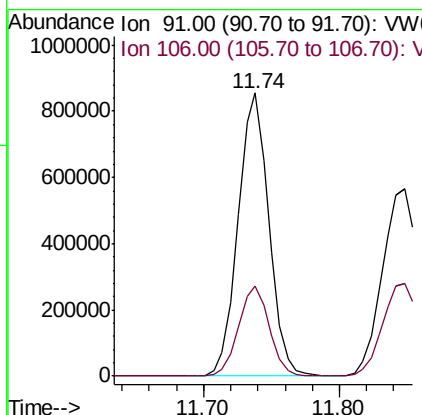
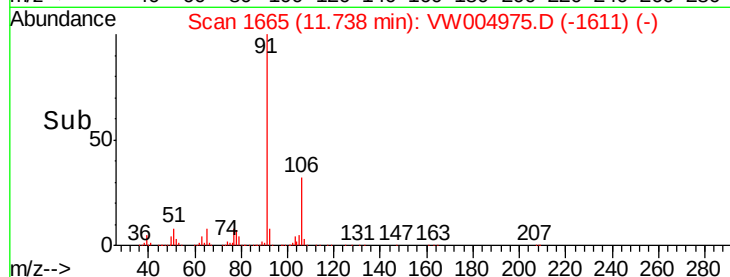
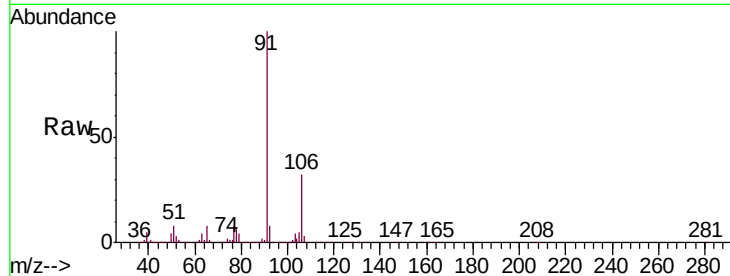




#53
Ethylbenzene
Concen: 24.612 ug/L
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW004975.D
Acq: 28 Aug 2018 09:54

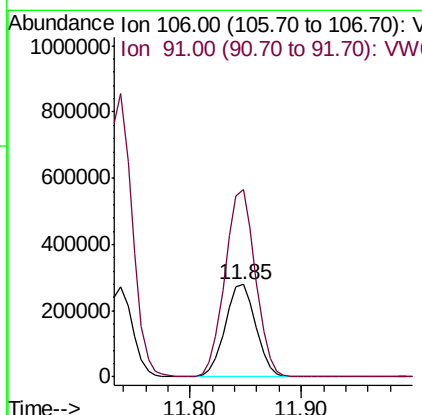
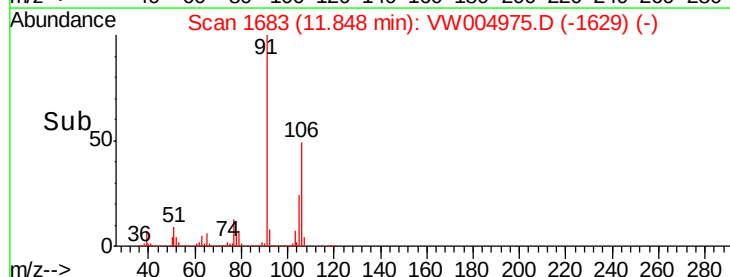
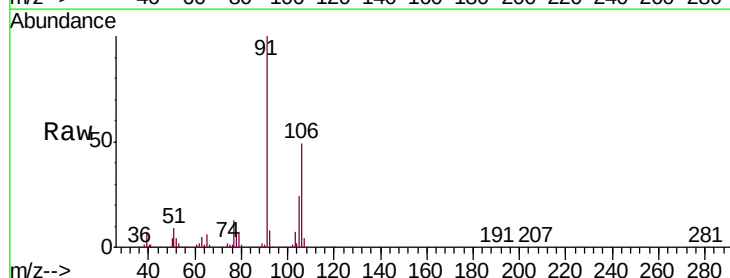
Instrument :
MSVOA_W
ClientSampleId :
BFB85

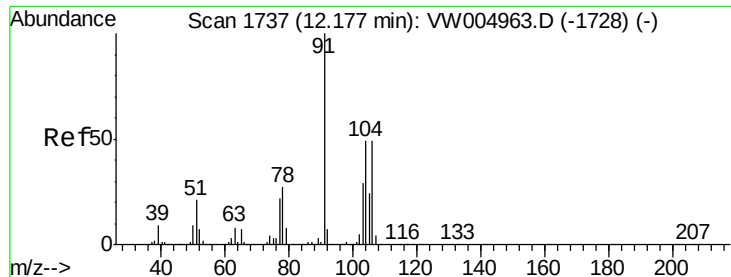
Tgt Ion: 91 Resp: 1348124
Ion Ratio Lower Upper
91 100
106 31.7 21.6 40.2



#54
m,p-Xylene
Concen: 25.145 ug/L
RT: 11.85 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW004975.D
Acq: 28 Aug 2018 09:54

Tgt Ion: 106 Resp: 534337
Ion Ratio Lower Upper
106 100
91 202.9 141.4 262.6





#55

o-xylene

Concen: 25.344 ug/L

RT: 12.17 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VW004975.D

Acq: 28 Aug 2018 09:54

Instrument :

MSVOA_W

ClientSampled :

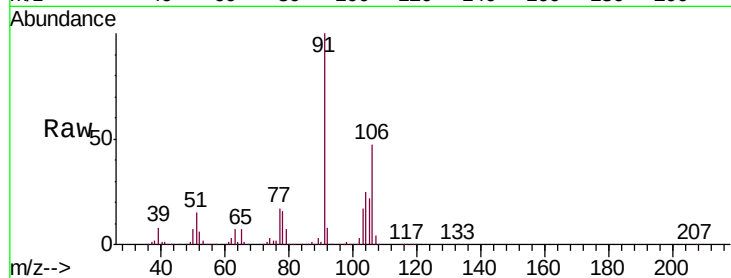
BFB85

Tgt Ion:106 Resp: 503198

Ion Ratio Lower Upper

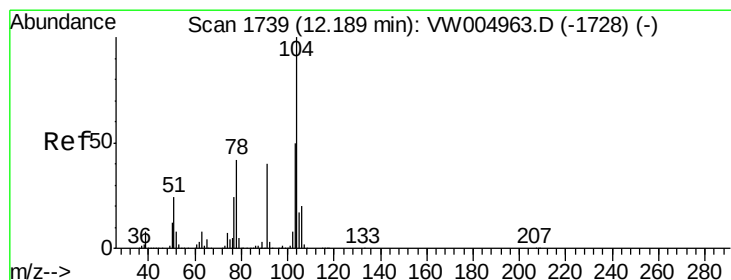
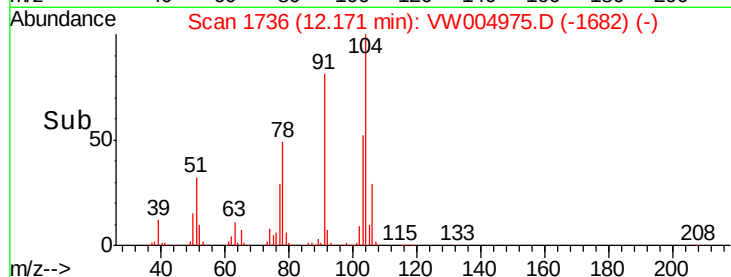
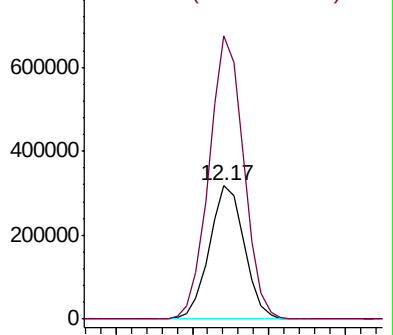
106 100

91 212.5 147.0 273.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 25.559 ug/L

RT: 12.19 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VW004975.D

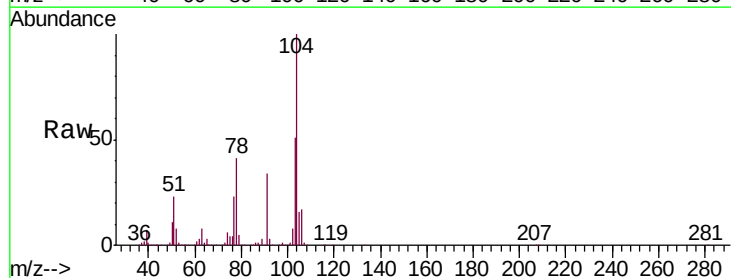
Acq: 28 Aug 2018 09:54

Tgt Ion:104 Resp: 871922

Ion Ratio Lower Upper

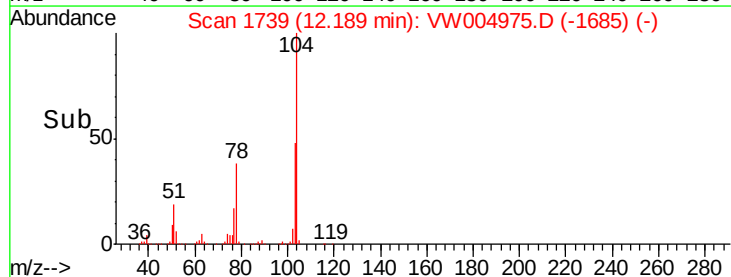
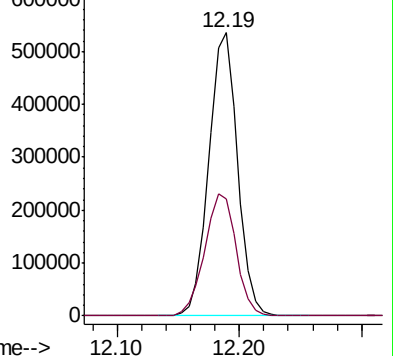
104 100

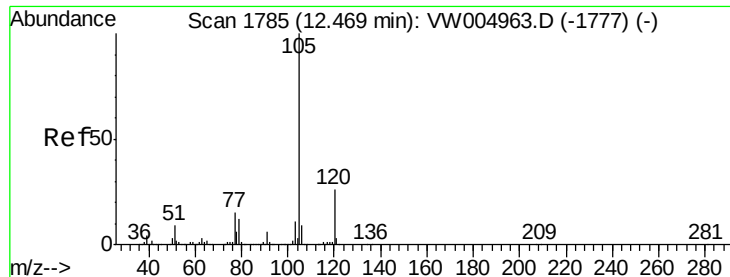
78 41.2 29.8 55.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 25.471 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW004975.D

Acq: 28 Aug 2018 09:54

Instrument :

MSVOA_W

ClientSampleId :

BFB85

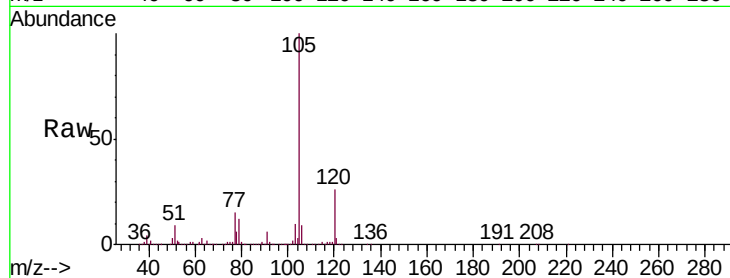
Tgt Ion: 105 Resp: 1350830

Ion Ratio Lower Upper

105 100

120 26.7 21.3 31.9

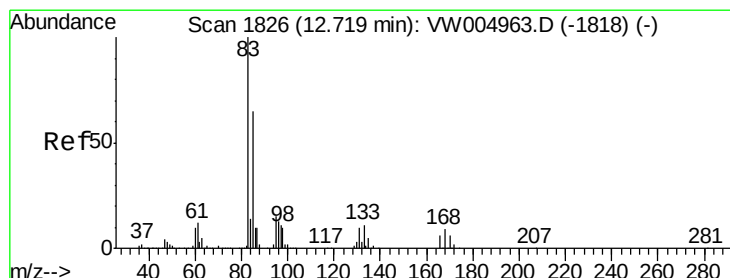
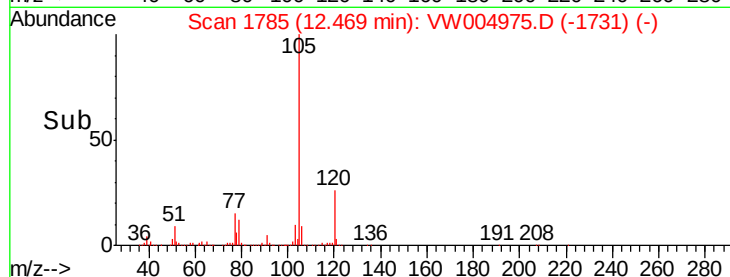
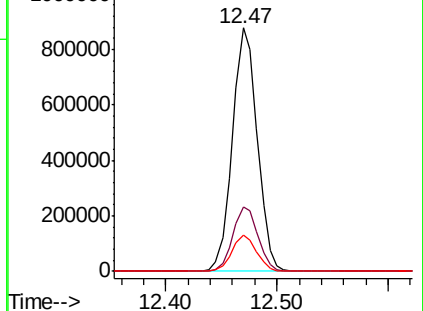
77 14.8 12.0 18.0



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: 23.026 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW004975.D

Acq: 28 Aug 2018 09:54

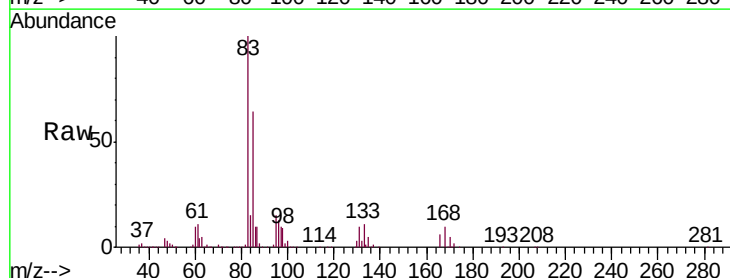
Tgt Ion: 83 Resp: 255413

Ion Ratio Lower Upper

83 100

85 64.2 46.3 85.9

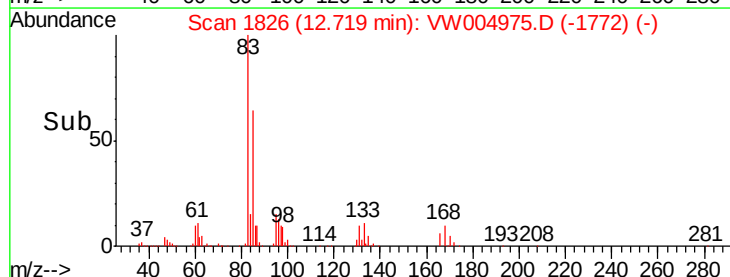
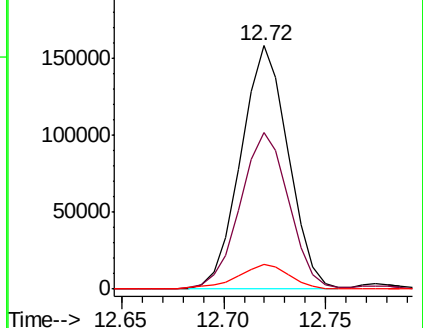
131 10.2 7.8 11.6

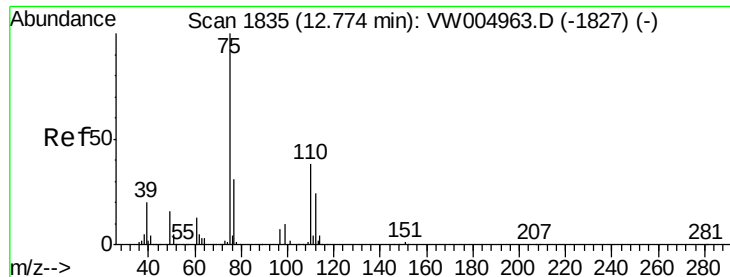


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 22.670 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW004975.D

Acq: 28 Aug 2018 09:54

Instrument :

MSVOA_W

ClientSampleId :

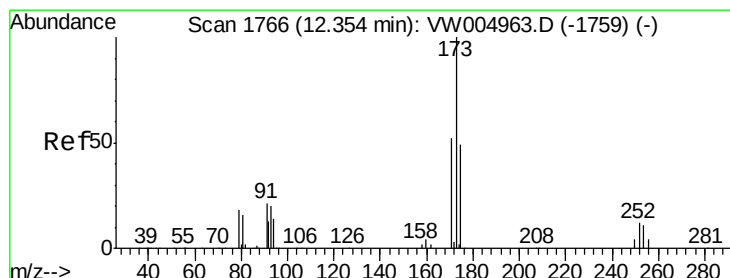
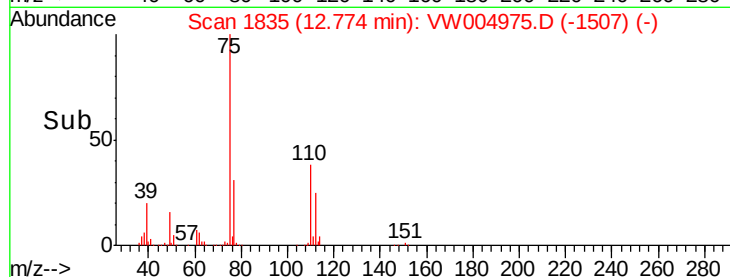
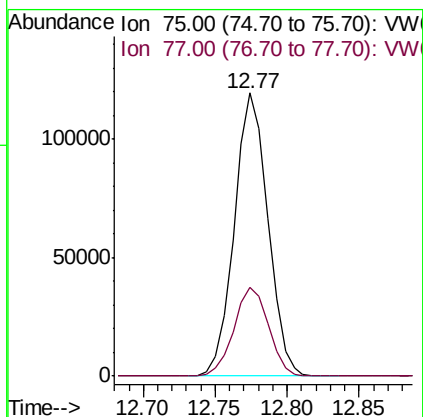
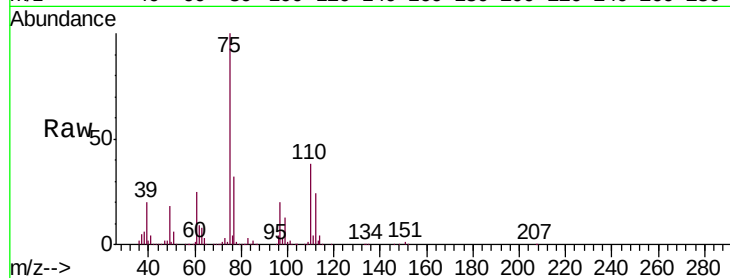
BFB85

Tgt Ion: 75 Resp: 193766

Ion Ratio Lower Upper

75 100

77 32.4 25.3 37.9



#62

Bromoform

Concen: 22.328 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW004975.D

Acq: 28 Aug 2018 09:54

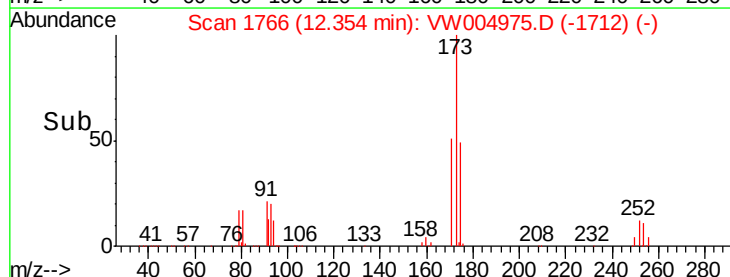
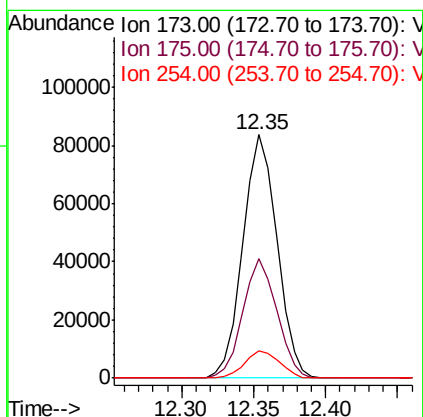
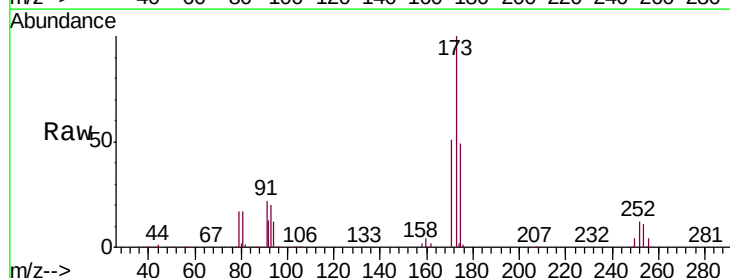
Tgt Ion: 173 Resp: 137910

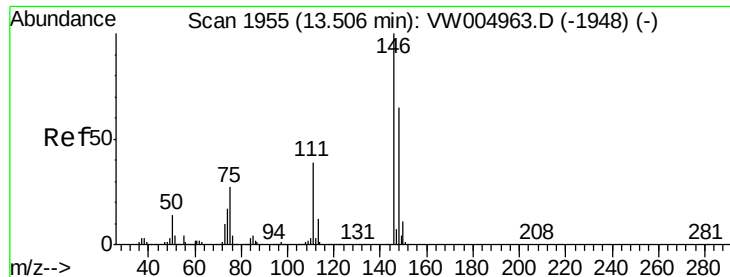
Ion Ratio Lower Upper

173 100

175 48.9 39.0 58.6

254 11.4 9.0 13.6

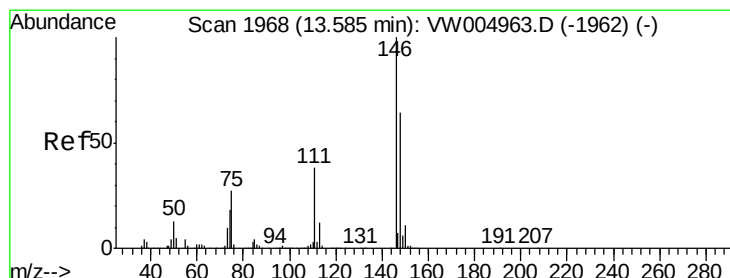
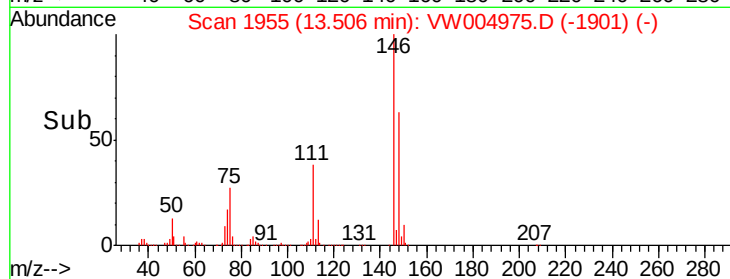
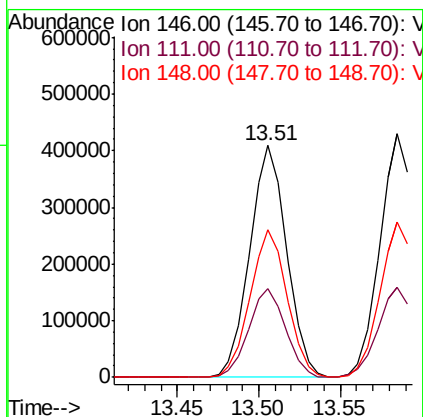
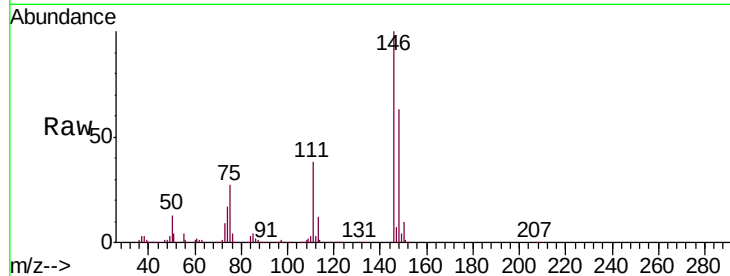




#63
 1,3-Dichlorobenzene
 Concen: 23.992 ug/L
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW004975.D
 Acq: 28 Aug 2018 09:54

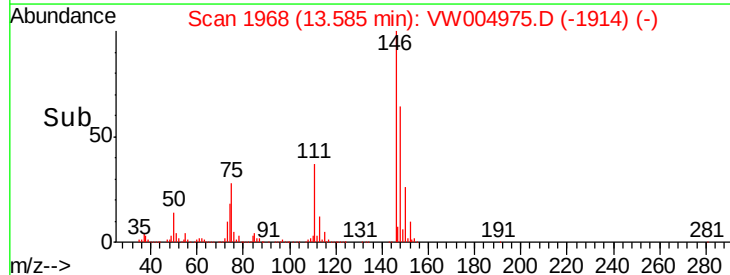
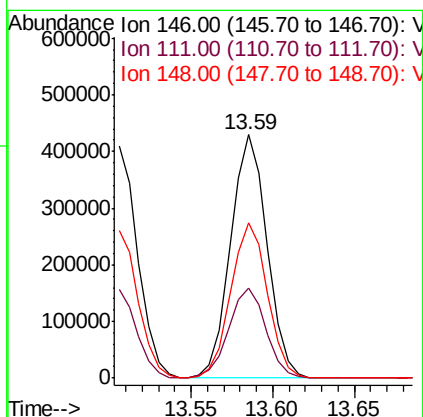
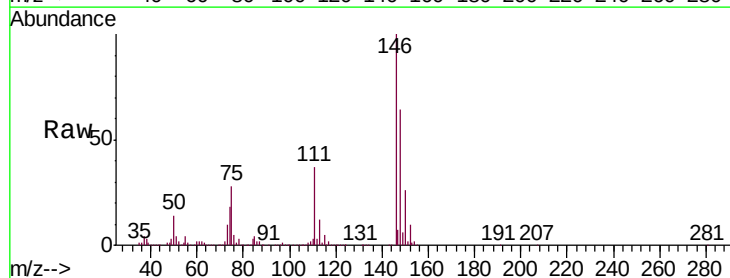
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB85

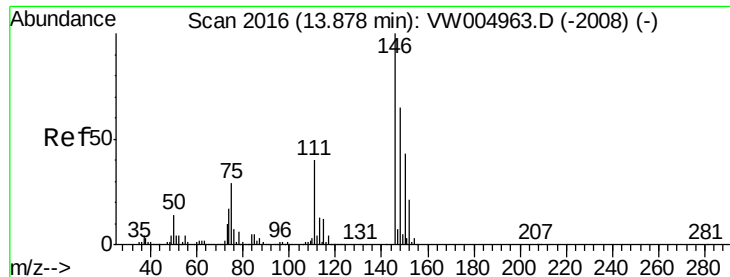
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	25.6	47.6
148	63.5	42.7	79.3



#64
 1,4-Dichlorobenzene
 Concen: 23.730 ug/L
 RT: 13.59 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW004975.D
 Acq: 28 Aug 2018 09:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	27.6	51.4
148	63.6	45.8	85.0

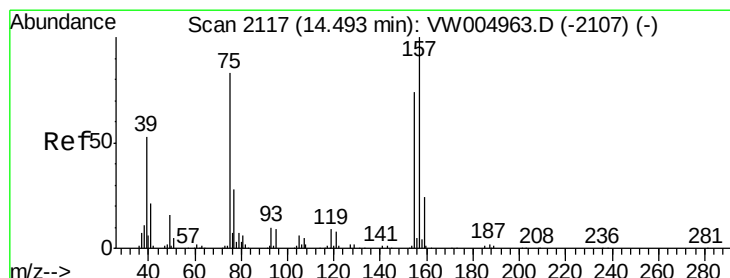
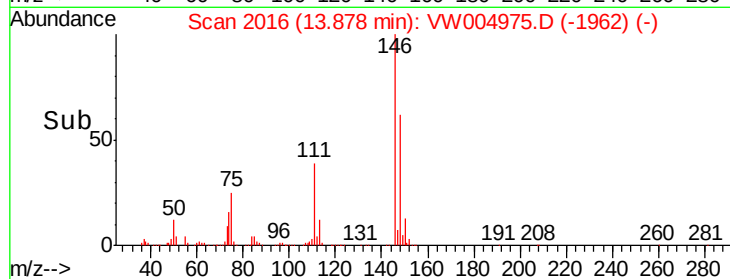
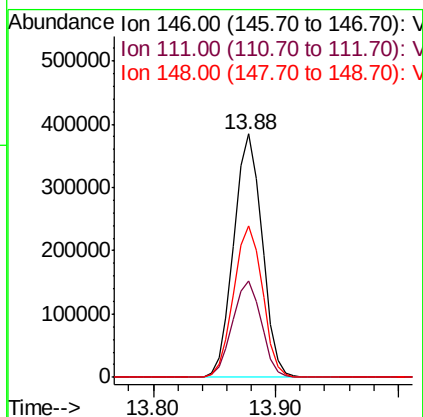
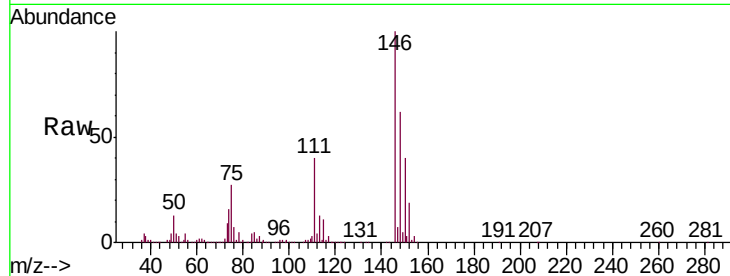




#65
 1,2-Dichlorobenzene
 Concen: 24.000 ug/L
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW004975.D
 Acq: 28 Aug 2018 09:54

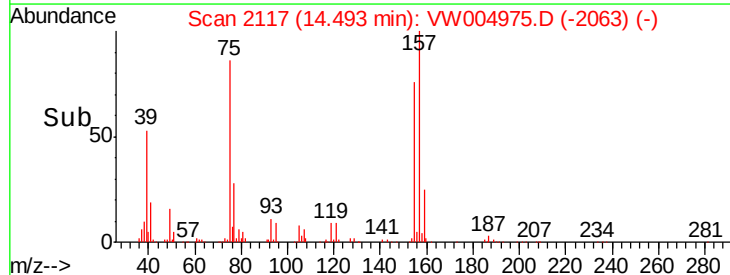
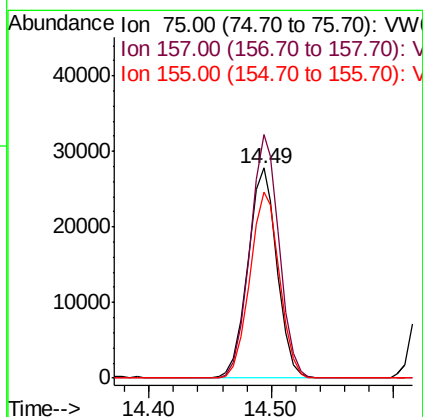
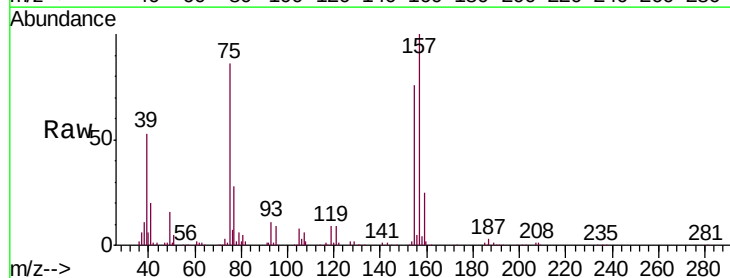
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB85

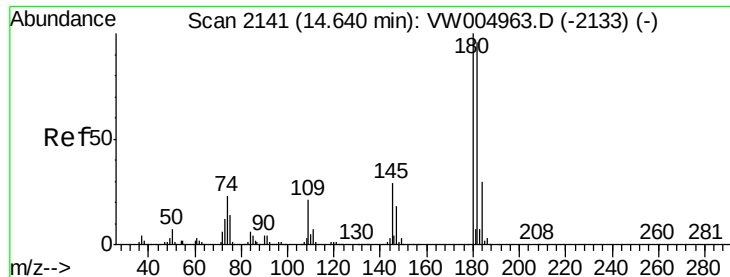
Tgt Ion:146 Resp: 617183
 Ion Ratio Lower Upper
 146 100
 111 39.6 32.0 48.0
 148 62.4 50.6 75.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 21.054 ug/L
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW004975.D
 Acq: 28 Aug 2018 09:54

Tgt Ion: 75 Resp: 45913
 Ion Ratio Lower Upper
 75 100
 157 116.0 90.7 136.1
 155 88.4 69.5 104.3

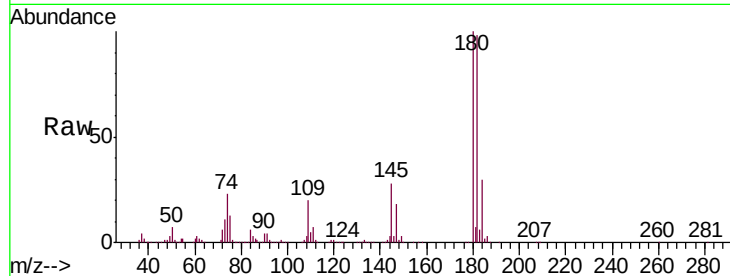




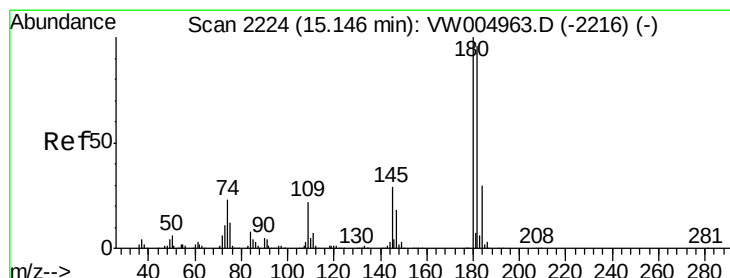
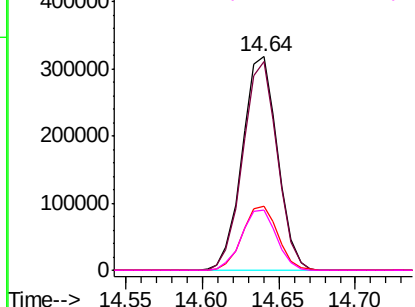
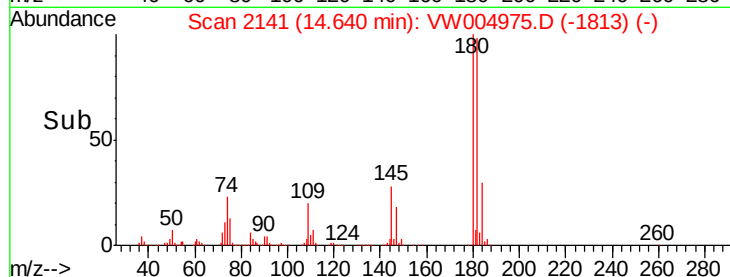
#67
 1,3,5-Trichlorobenzene
 Concen: 23.731 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VW004975.D
 Acq: 28 Aug 2018 09:54

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB85

Tgt Ion:	180	Resp:	509632
Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.0	114.0
184	30.2	24.3	36.5
145	28.2	23.0	34.6

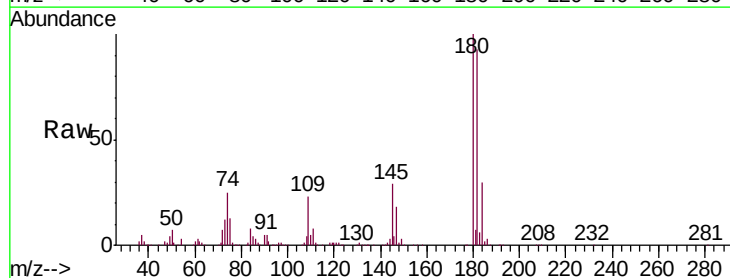


Abundance Ion 180.00 (179.70 to 180.70): V
 500000
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

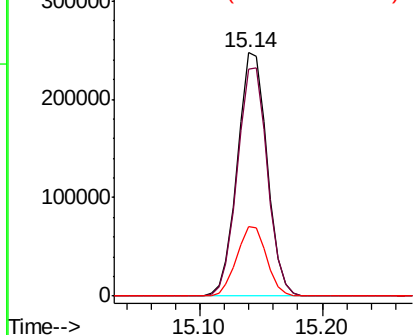
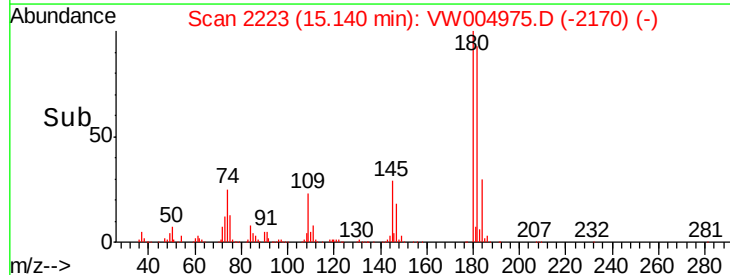


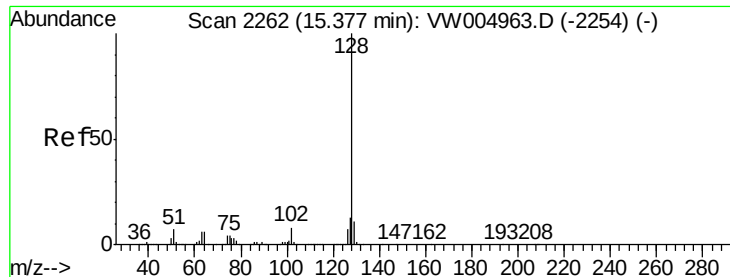
#68
 1,2,4-trichlorobenzene
 Concen: 23.996 ug/L
 RT: 15.14 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: VW004975.D
 Acq: 28 Aug 2018 09:54

Tgt Ion:	180	Resp:	416085
Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.1	114.1
145	28.8	23.3	34.9



Abundance Ion 180.00 (179.70 to 180.70): V
 300000
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 24.359 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004975.D

Acq: 28 Aug 2018 09:54

Instrument :

MSVOA_W

ClientSampleId :

BFB85

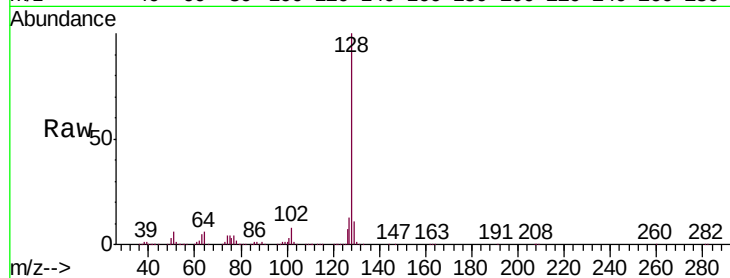
Tgt Ion:128 Resp: 858546

Ion Ratio Lower Upper

128 100

129 10.8 8.9 13.3

127 12.9 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

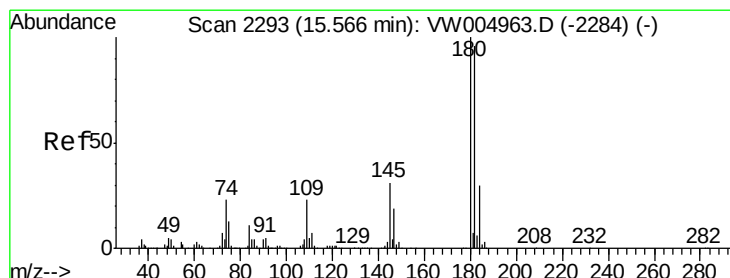
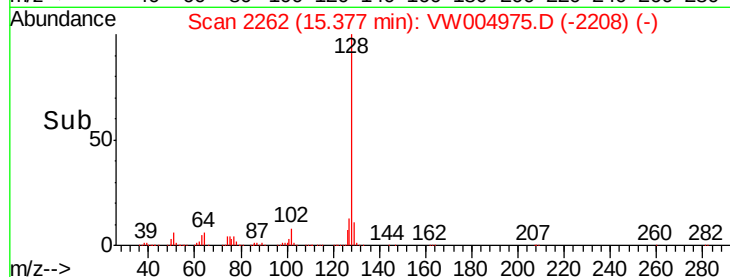
15.38

400000

200000

0

Time-->



#70

1,2,3-Trichlorobenzene

Concen: 24.361 ug/L

RT: 15.57 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VW004975.D

Acq: 28 Aug 2018 09:54

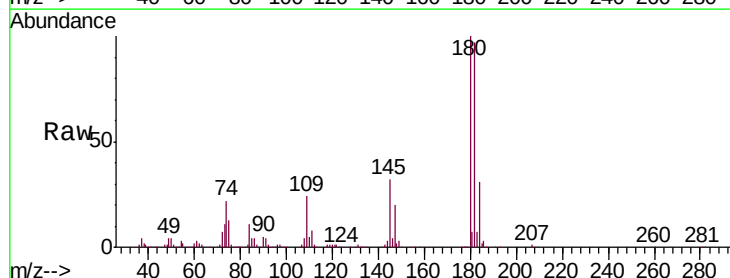
Tgt Ion:180 Resp: 397858

Ion Ratio Lower Upper

180 100

182 96.4 75.8 113.6

145 31.2 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

15.57

300000

250000

200000

150000

100000

50000

0

Time-->

