

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092018\
 Data File : VW005525.D
 Acq On : 20 Sep 2018 09:53
 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: Sep 21 00:58:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091918S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 20 10:42:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	319293	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.64	117	287966	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	143573	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	100953	23.48	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.92%
7) Chloroethane-d5	2.89	69	77707	22.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.72%
10) 1,1-Dichloroethene-d2	4.01	63	215103	22.74	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.96%
20) 2-Butanone-d5	7.09	46	84135	50.15	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.30%
24) Chloroform-d	7.65	84	183738	21.20	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	84.80%
26) 1,2-Dichloroethane-d4	8.31	65	107629	20.63	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	82.52%
29) Benzene-d6	8.28	84	369718	21.71	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	86.84%
33) 1,2-Dichloropropane-d6	9.28	67	107628	20.75	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	83.00%
37) Toluene-d8	10.33	98	347187	22.15	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.60%
38) trans-1,3-Dichloropropene-	10.59	79	49263	20.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	82.80%
39) 2-Hexanone-d5	10.93	63	59411	49.03	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.06%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	98993	21.13	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	84.52%
61) 1,2-Dichlorobenzene-d4	13.87	152	117265	21.08	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	84.32%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	118305	26.622 ug/L	99
3) Chloromethane	2.21	50	113267	24.194 ug/L	98
5) Vinyl chloride	2.37	62	123182	27.159 ug/L	97
6) Bromomethane	2.78	94	70419	25.028 ug/L	100
8) Chloroethane	2.92	64	70272	25.442 ug/L	99
9) Trichlorofluoromethane	3.26	101	117717	29.932 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	104456	24.883 ug/L	94
12) 1,1-Dichloroethene	4.03	96	97917	24.792 ug/L	88
13) Acetone	4.14	43	72621	50.555 ug/L	98
14) Carbon disulfide	4.37	76	308781	24.080 ug/L	97
15) Methyl Acetate	4.67	43	71409	25.469 ug/L	99
16) Methylene chloride	4.92	84	98409	18.635 ug/L	98
17) Methyl tert-butyl Ether	5.43	73	145291	22.870 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	99018	23.556 ug/L	96
19) 1,1-Dichloroethane	6.22	63	189964	23.690 ug/L	99
21) 2-Butanone	7.18	43	99006	50.280 ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	105740	23.194 ug/L	99

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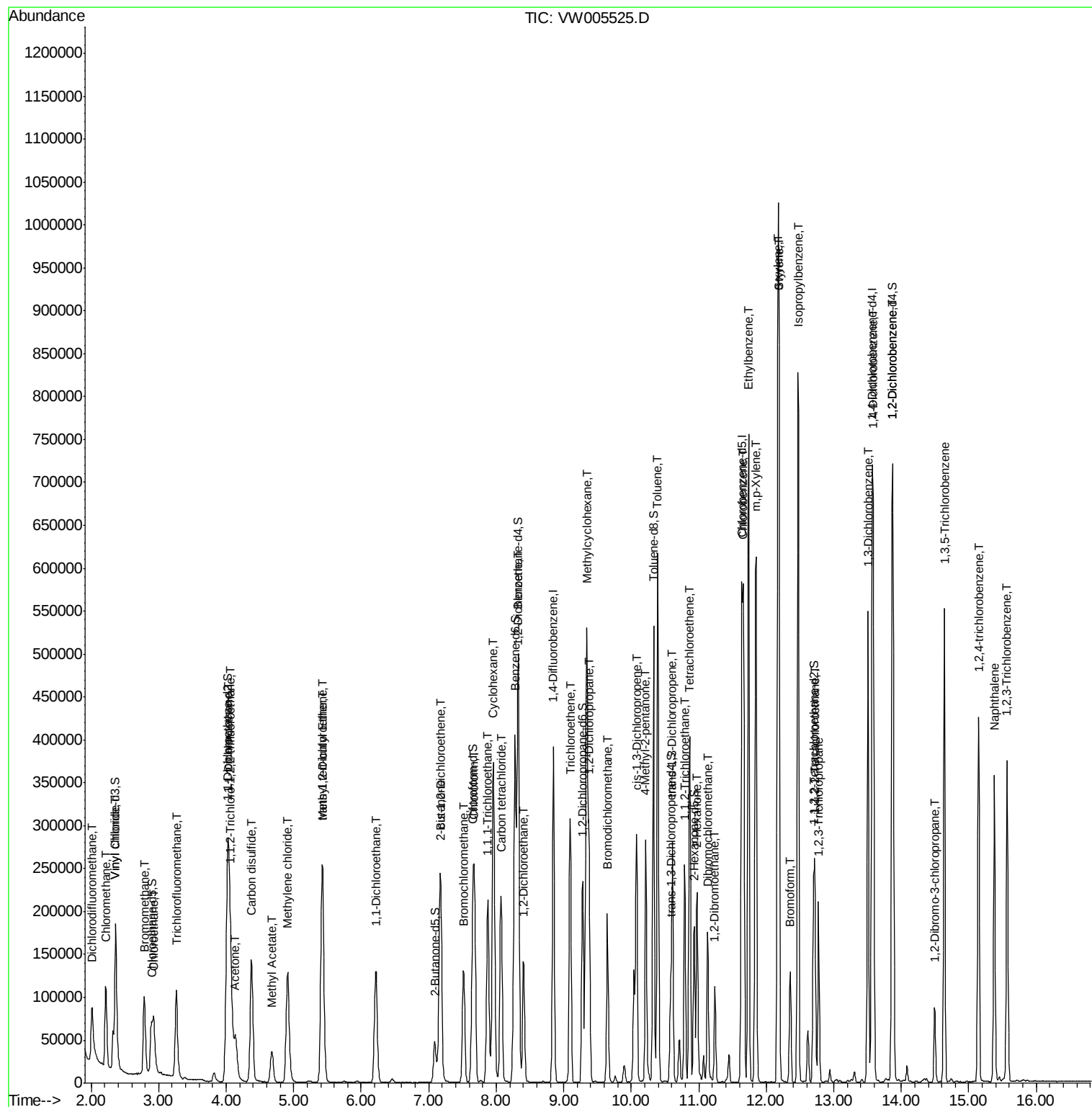
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	45559	22.474	ug/L	96
25) Chloroform	7.68	83	189449	23.405	ug/L	99
27) 1,2-Dichloroethane	8.40	62	133411	22.338	ug/L	99
30) Cyclohexane	7.96	56	189753	25.252	ug/L	98
31) 1,1,1-Trichloroethane	7.88	97	176685	26.863	ug/L	99
32) Carbon tetrachloride	8.07	117	168045	26.819	ug/L	100
34) Benzene	8.33	78	422495	24.310	ug/L	100
35) Trichloroethene	9.10	95	110013	24.474	ug/L	99
36) Methylcyclohexane	9.34	83	204443	25.372	ug/L	100
40) 1,2-Dichloropropane	9.37	63	105944	23.479	ug/L	100
41) Bromodichloromethane	9.65	83	130876	23.523	ug/L	99
42) cis-1,3-Dichloropropene	10.08	75	157015	23.666	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	185853	51.349	ug/L	99
44) Toluene	10.39	91	448796	24.974	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	141155	23.303	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	76858	22.977	ug/L	96
47) Tetrachloroethene	10.87	164	92008	25.104	ug/L	98
49) 2-Hexanone	10.98	43	137692	52.647	ug/L	97
50) Dibromochloromethane	11.13	129	91523	23.266	ug/L	99
51) 1,2-Dibromoethane	11.24	107	73595	23.262	ug/L	99
52) Chlorobenzene	11.66	112	277686	23.847	ug/L	100
53) Ethylbenzene	11.74	91	509890	24.430	ug/L	99
54) m,p-Xylene	11.85	106	191679	25.013	ug/L	99
55) o-xylene	12.17	106	176594	24.348	ug/L	100
56) Styrene	12.19	104	306853	24.592	ug/L	100
57) Isopropylbenzene	12.47	105	516971	25.463	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	106863	23.492	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	86838	23.934	ug/L	99
62) Bromoform	12.35	173	59384	23.852	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	216959	23.903	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	225153	24.158	ug/L	100
65) 1,2-Dichlorobenzene	13.88	146	204437	23.943	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.49	75	22935	25.892	ug/L	89
67) 1,3,5-Trichlorobenzene	14.64	180	169451	23.832	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	136270	23.366	ug/L	100
69) Naphthalene	15.38	128	298554	24.118	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	128586	23.349	ug/L	99

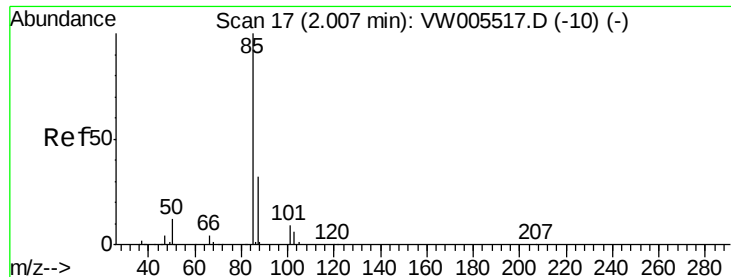
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 26.622 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW005525.D

Acq: 20 Sep 2018 09:53

Instrument :

MSVOA_W

ClientSampleId :

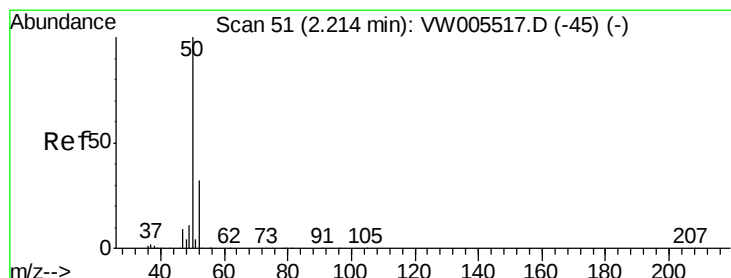
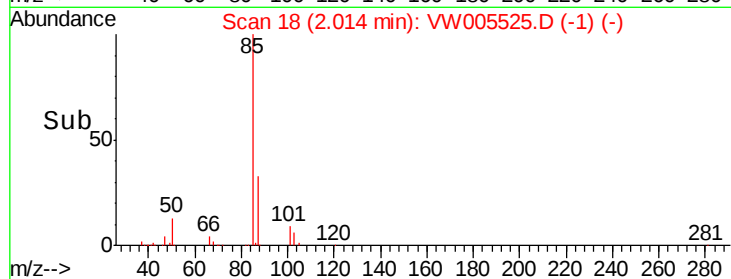
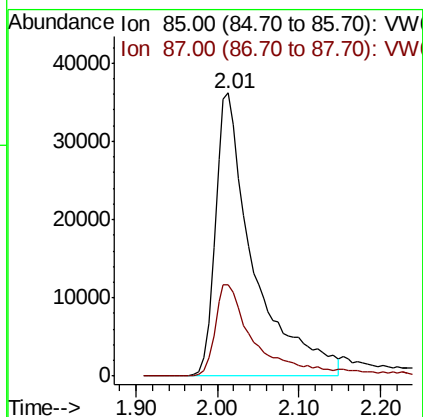
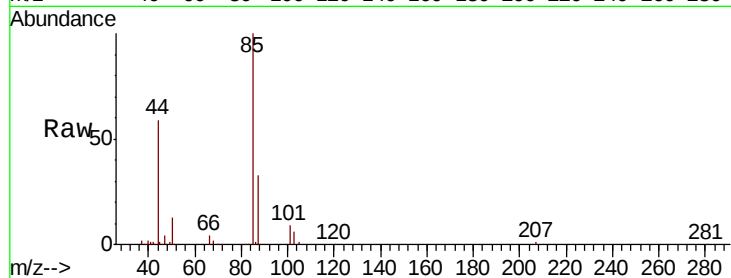
BFB84

Tgt Ion: 85 Resp: 118305

Ion Ratio Lower Upper

85 100

87 30.7 21.2 39.4



#3

Chloromethane

Concen: 24.194 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW005525.D

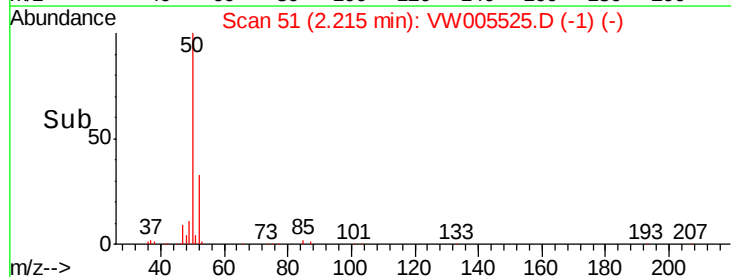
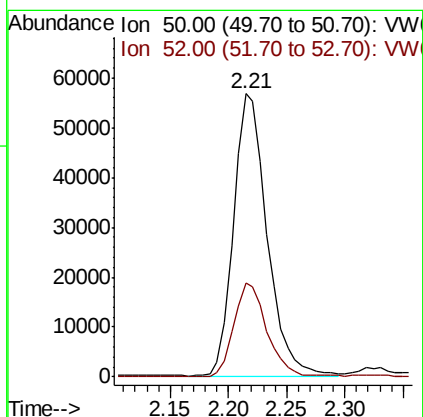
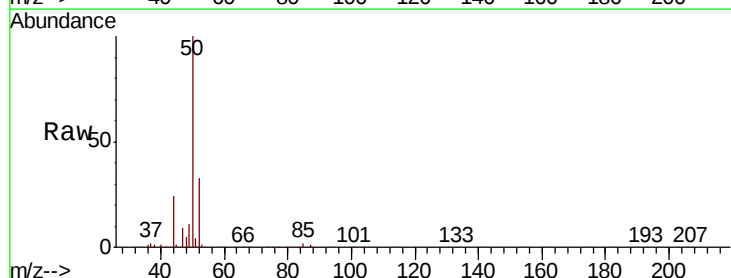
Acq: 20 Sep 2018 09:53

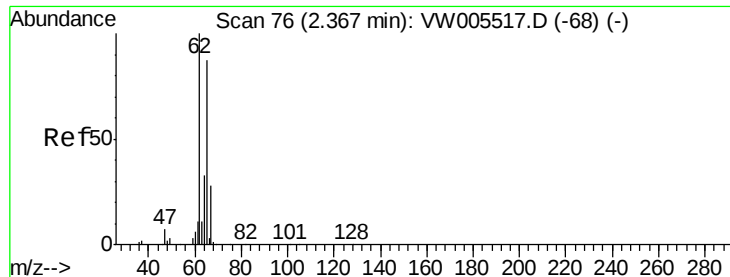
Tgt Ion: 50 Resp: 113267

Ion Ratio Lower Upper

50 100

52 33.0 22.4 41.6





#5

Vinyl chloride

Concen: 27.159 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW005525.D

Acq: 20 Sep 2018 09:53

Instrument :

MSVOA_W

ClientSampleId :

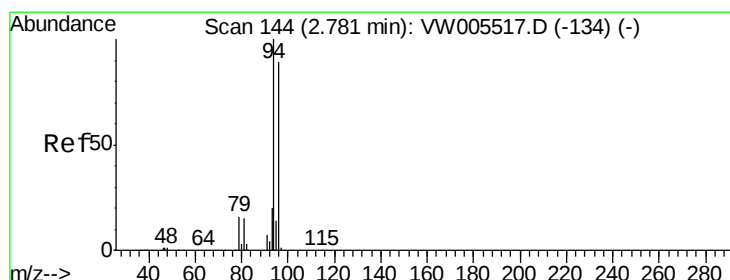
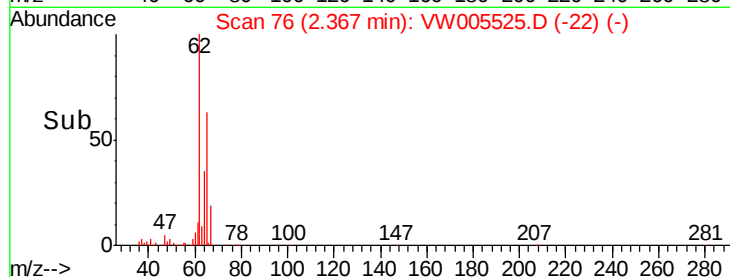
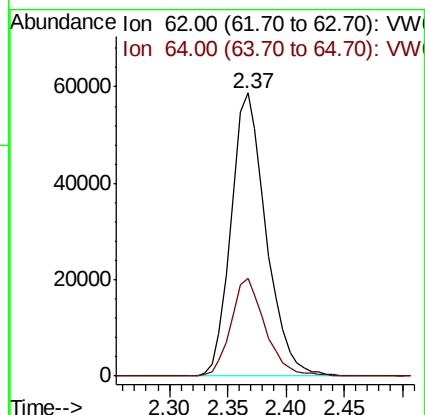
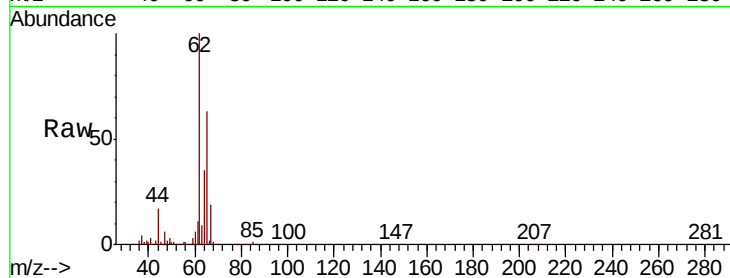
BFB84

Tgt Ion: 62 Resp: 123182

Ion Ratio Lower Upper

62 100

64 34.6 22.9 42.5



#6

Bromomethane

Concen: 25.028 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW005525.D

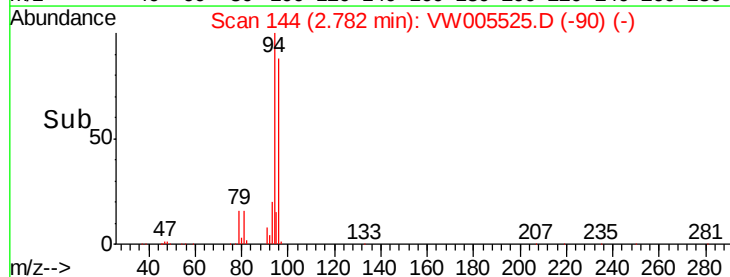
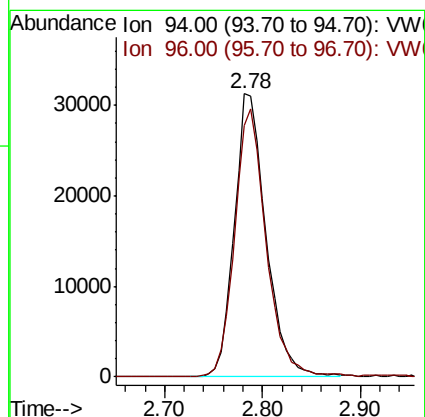
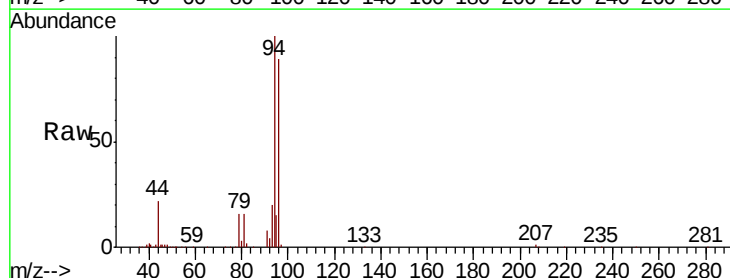
Acq: 20 Sep 2018 09:53

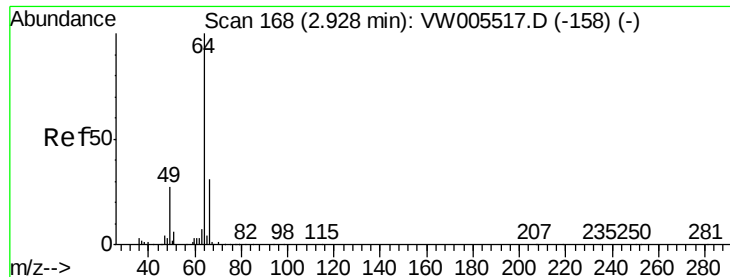
Tgt Ion: 94 Resp: 70419

Ion Ratio Lower Upper

94 100

96 93.6 9.4 178.6

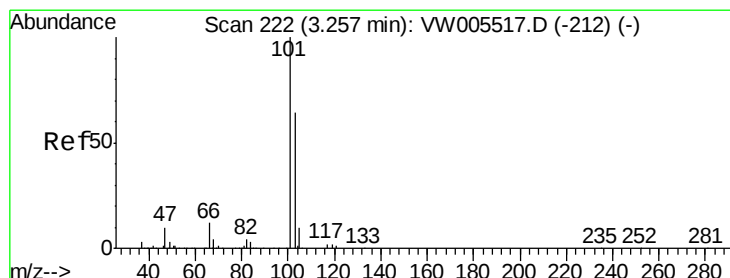
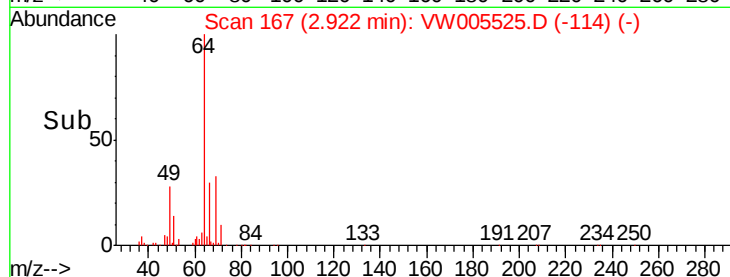
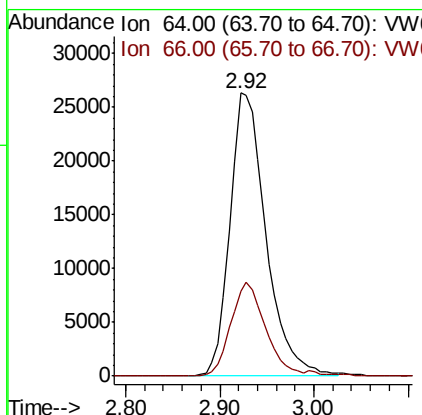
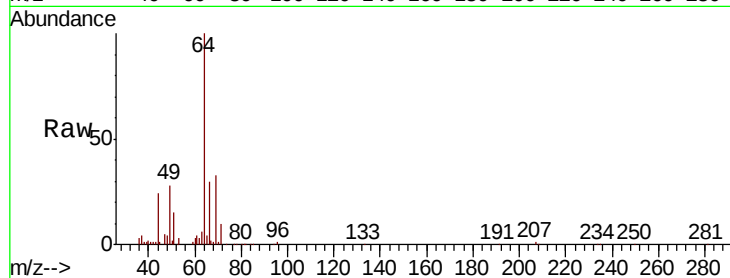




#8
Chloroethane
Concen: 25.442 ug/L
RT: 2.92 min Scan# 167
Delta R.T. -0.01 min
Lab File: VW005525.D
Acq: 20 Sep 2018 09:53

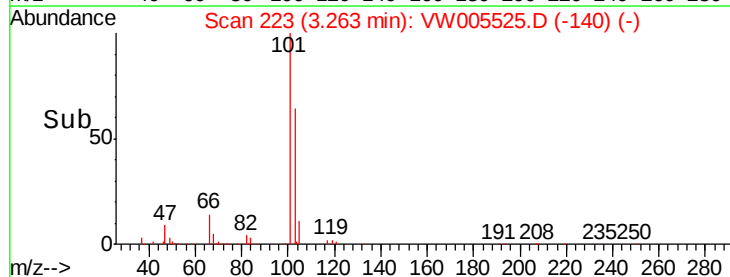
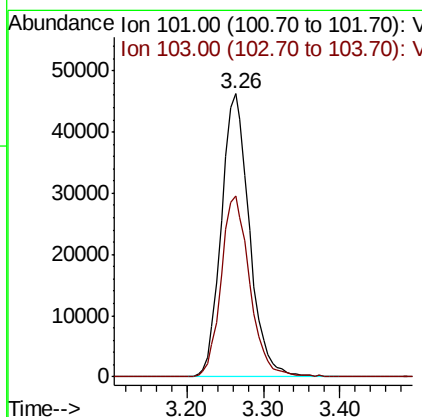
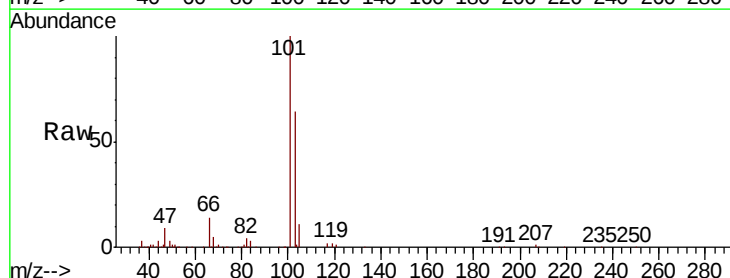
Instrument :
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BFB84

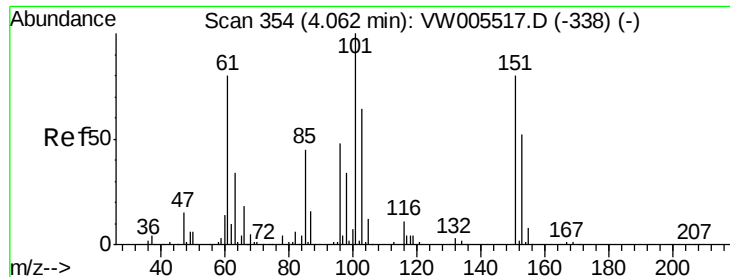
Tgt Ion: 64 Resp: 70272
Ion Ratio Lower Upper
64 100
66 30.0 21.5 39.9



#9
Trichlorofluoromethane
Concen: 29.932 ug/L
RT: 3.26 min Scan# 223
Delta R.T. 0.01 min
Lab File: VW005525.D
Acq: 20 Sep 2018 09:53

Tgt Ion: 101 Resp: 117717
Ion Ratio Lower Upper
101 100
103 65.1 45.3 84.1





#11

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

Concen: 24.883 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW005525.D

Acq: 20 Sep 2018 09:53

Instrument :

MSVOA_W

ClientSampleId :

BFB84

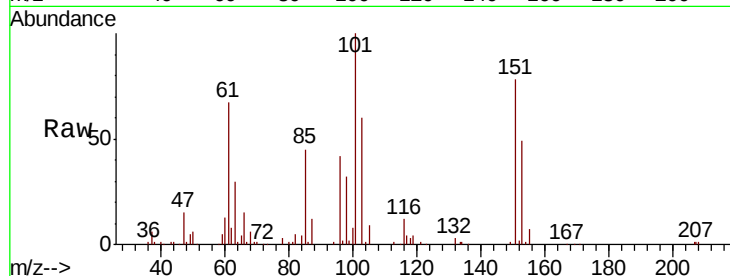
Tgt Ion:101 Resp: 104456

Ion Ratio Lower Upper

101 100

85 45.6 34.7 52.1

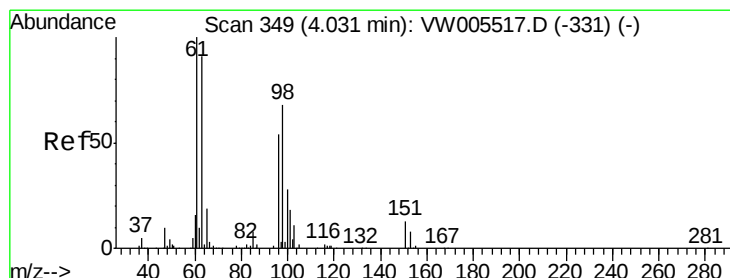
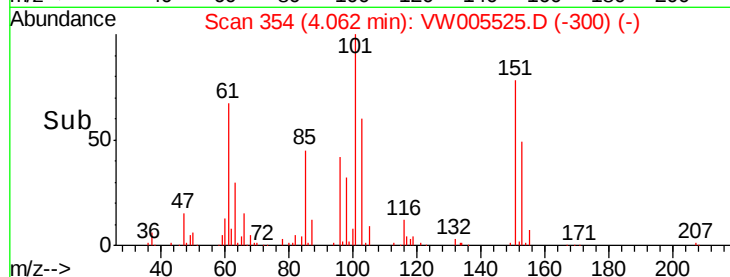
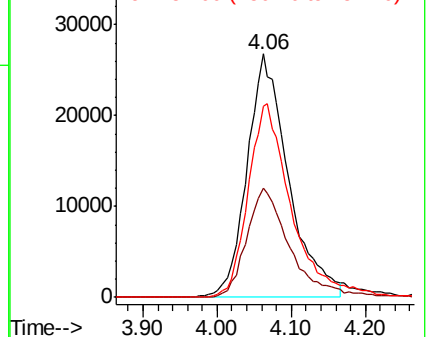
151 82.7 61.1 91.7



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: 24.792 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

Lab File: VW005525.D

Acq: 20 Sep 2018 09:53

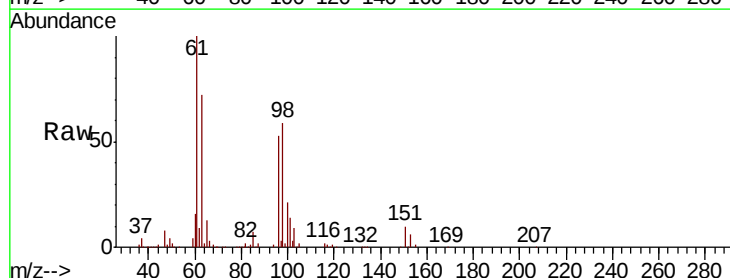
Tgt Ion: 96 Resp: 97917

Ion Ratio Lower Upper

96 100

61 189.2 129.5 240.5

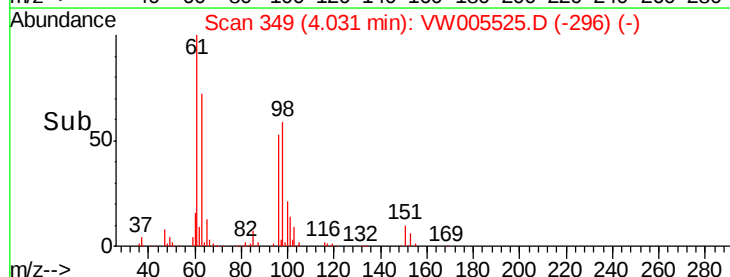
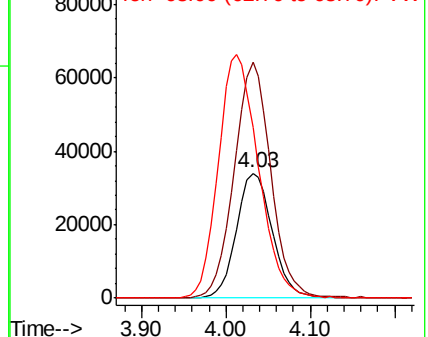
63 136.8 117.5 218.3

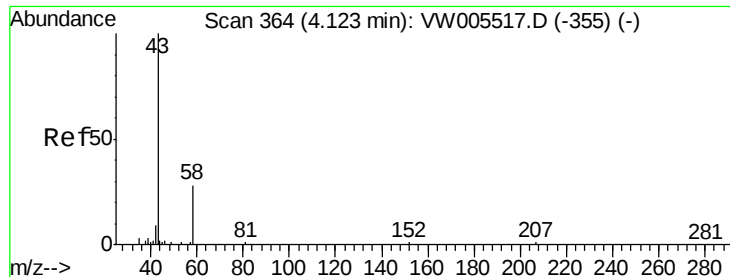


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 50.555 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

Lab File: VW005525.D

Acq: 20 Sep 2018 09:53

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ClientSampled :

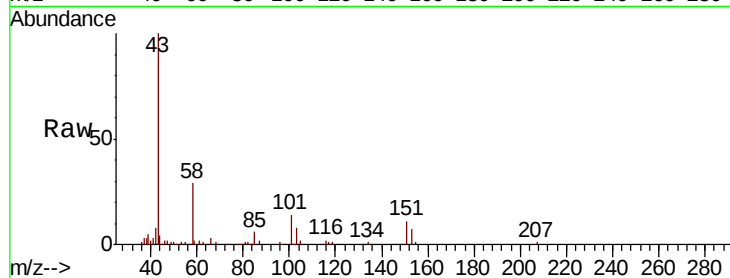
BFB84

Tgt Ion: 43 Resp: 72621

Ion Ratio Lower Upper

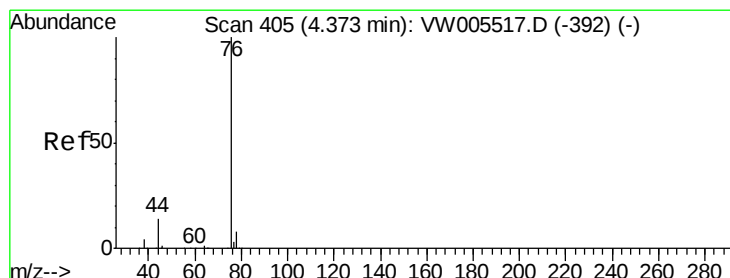
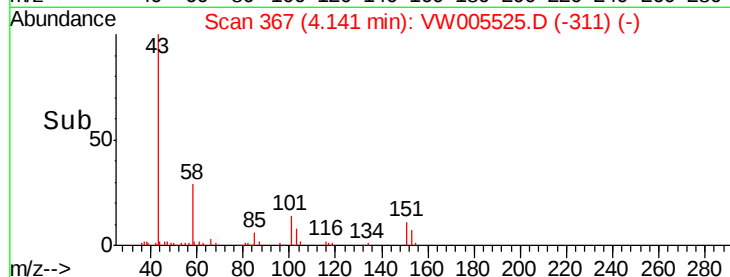
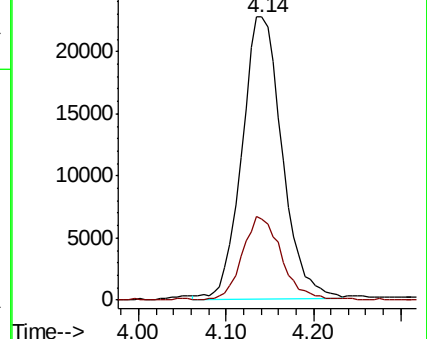
43 100

58 28.5 0.0 59.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 24.080 ug/L

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW005525.D

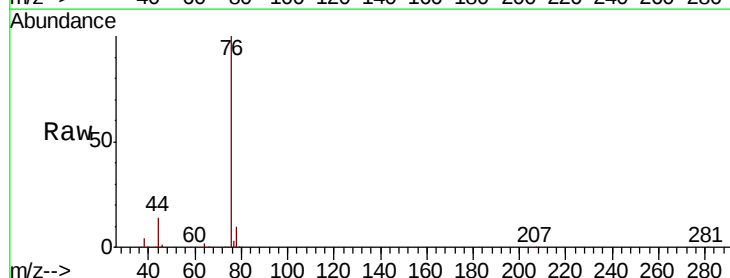
Acq: 20 Sep 2018 09:53

Tgt Ion: 76 Resp: 308781

Ion Ratio Lower Upper

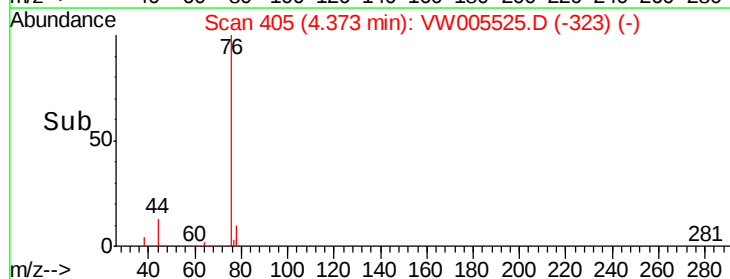
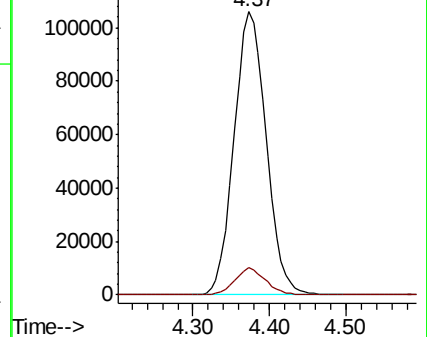
76 100

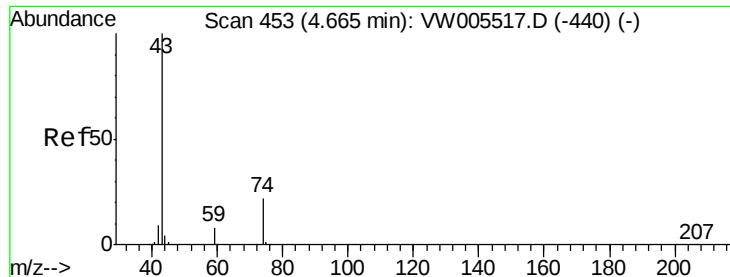
78 9.6 6.7 10.1



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

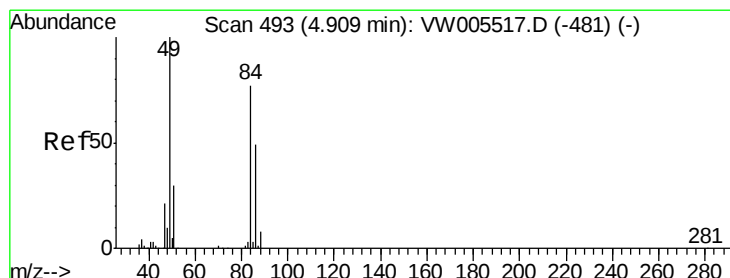
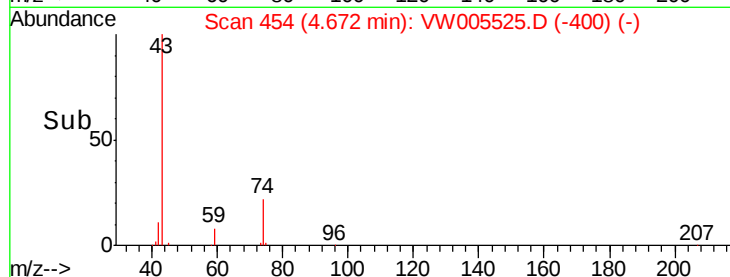
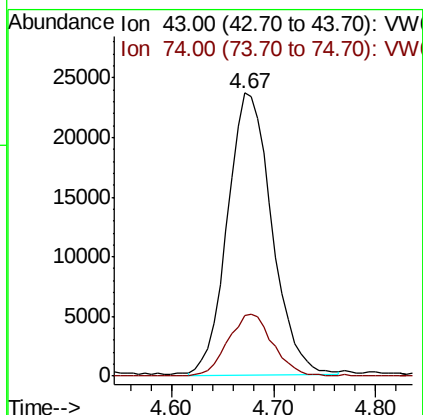
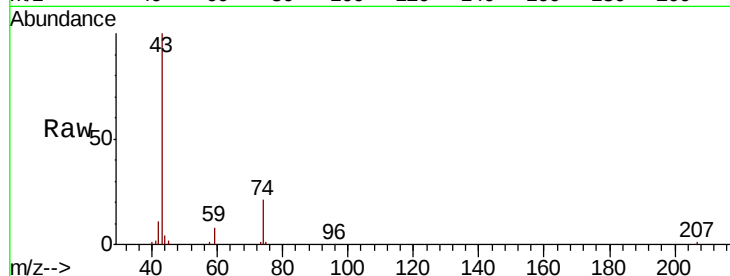




#15
Methyl Acetate
Concen: 25.469 ug/L
RT: 4.67 min Scan# 454
Delta R.T. 0.00 min
Lab File: VW005525.D
Acq: 20 Sep 2018 09:53

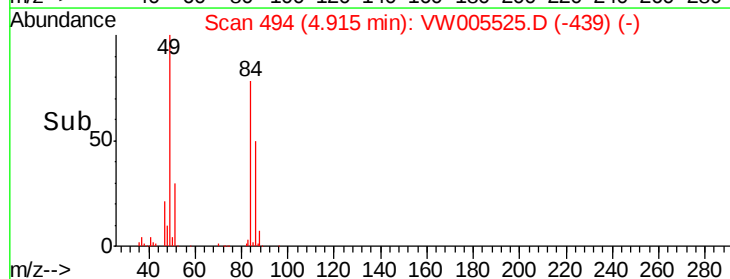
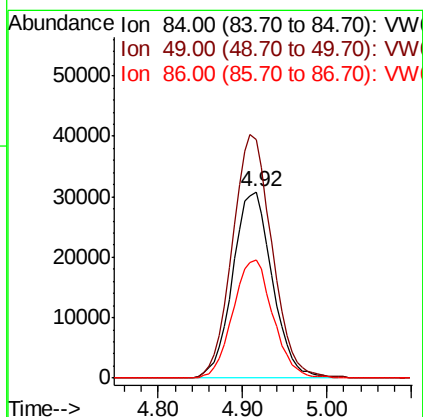
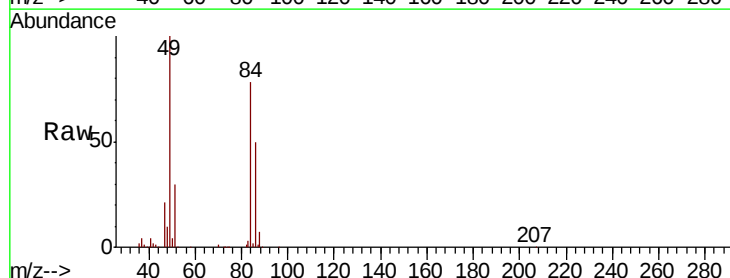
Instrument :
MSVOA_W
ClientSampled :
BFB84

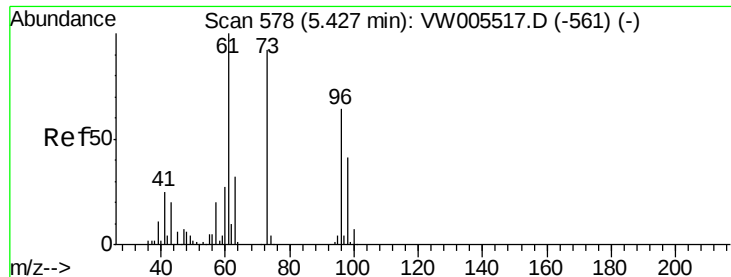
Tgt Ion: 43 Resp: 71409
Ion Ratio Lower Upper
43 100
74 22.1 17.3 25.9



#16
Methylene chloride
Concen: 18.635 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW005525.D
Acq: 20 Sep 2018 09:53

Tgt Ion: 84 Resp: 98409
Ion Ratio Lower Upper
84 100
49 128.2 91.5 169.9
86 63.7 44.8 83.2

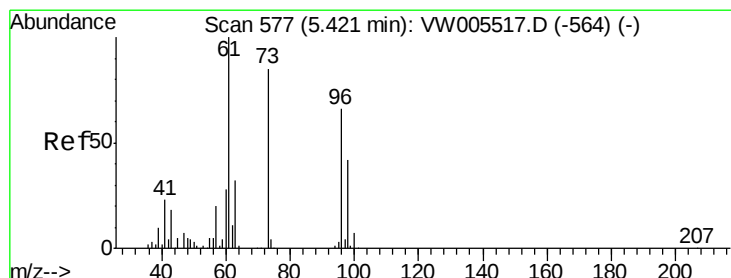
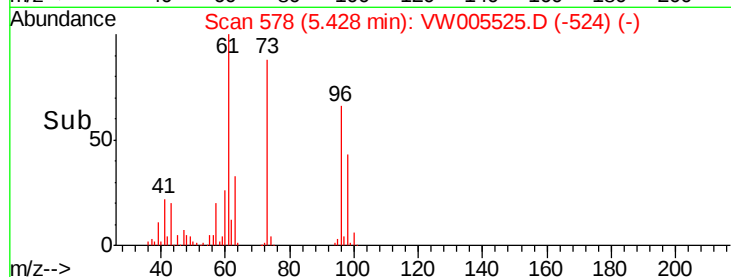
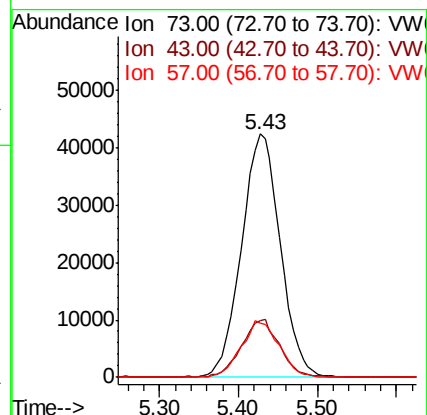
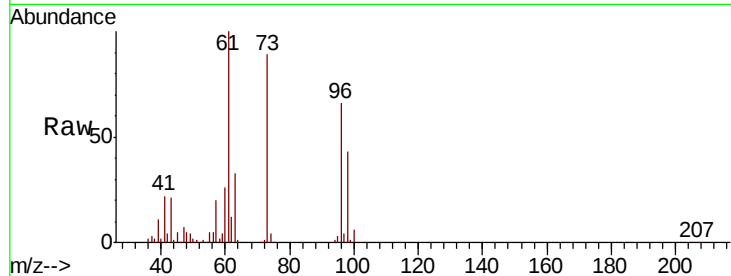




#17
Methyl tert-butyl Ether
Concen: 22.870 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW005525.D
Acq: 20 Sep 2018 09:53

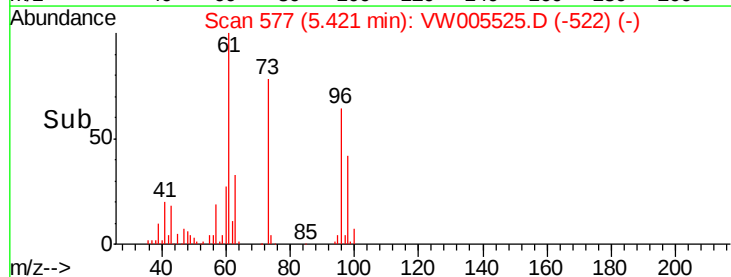
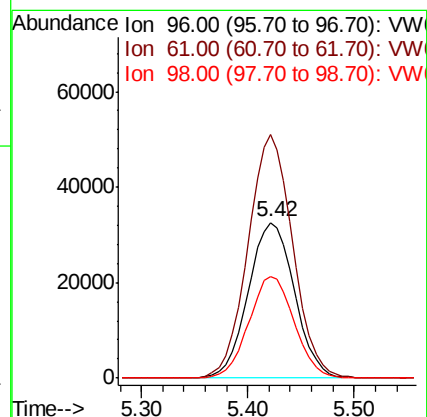
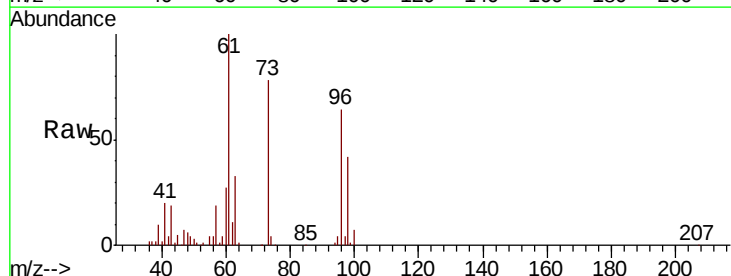
Instrument :
MSVOA_W
ClientSampleId :
BFB84

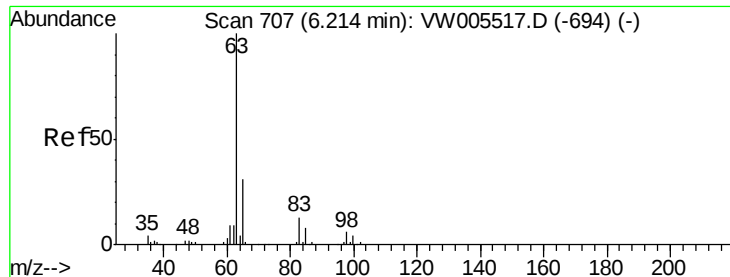
Tgt Ion: 73 Resp: 145291
Ion Ratio Lower Upper
73 100
43 23.1 17.6 26.4
57 22.8 18.4 27.6



#18
trans-1,2-Dichloroethene
Concen: 23.556 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.01 min
Lab File: VW005525.D
Acq: 20 Sep 2018 09:53

Tgt Ion: 96 Resp: 99018
Ion Ratio Lower Upper
96 100
61 156.4 105.4 195.8
98 65.2 44.1 81.9

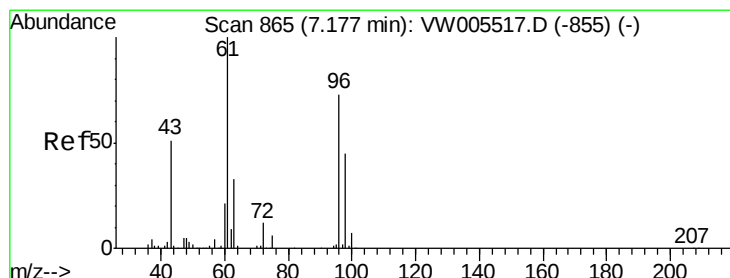
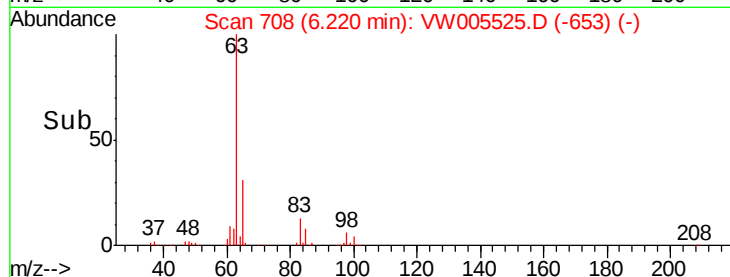
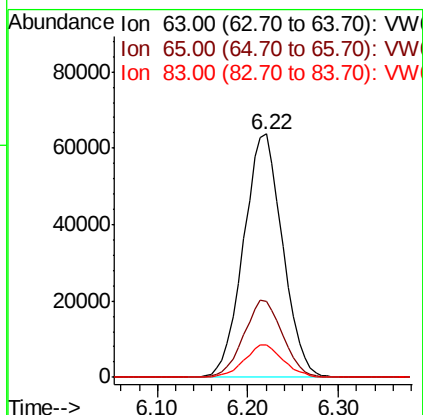
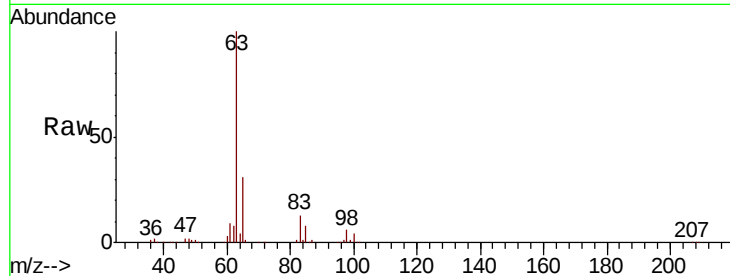




#19
 1,1-Dichloroethane
 Concen: 23.690 ug/L
 RT: 6.22 min Scan# 708
 Delta R.T. 0.01 min
 Lab File: VW005525.D
 Acq: 20 Sep 2018 09:53

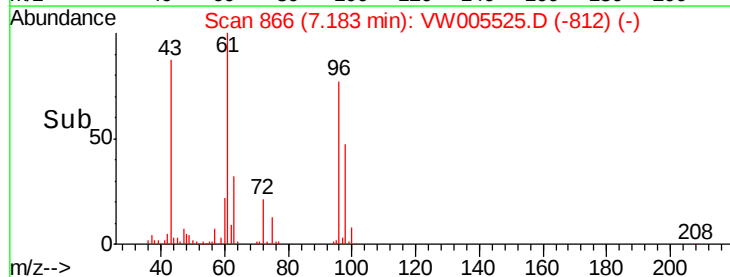
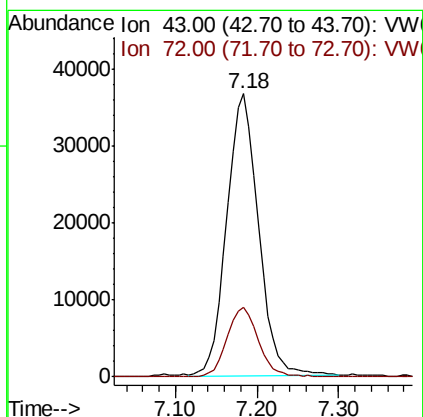
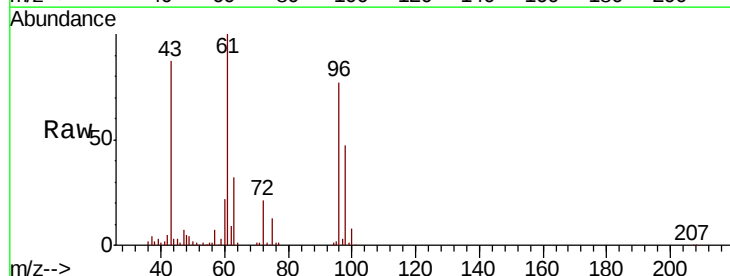
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB84

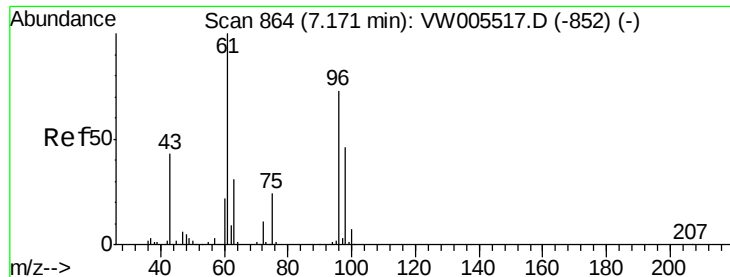
Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.1	21.4	39.8
83	13.1	8.9	16.5



#21
 2-Butanone
 Concen: 50.280 ug/L
 RT: 7.18 min Scan# 866
 Delta R.T. 0.00 min
 Lab File: VW005525.D
 Acq: 20 Sep 2018 09:53

Tgt Ion	Ratio	Lower	Upper
43	100		
72	24.1	12.6	37.6



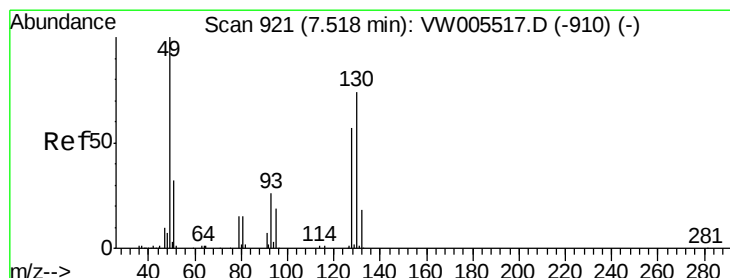
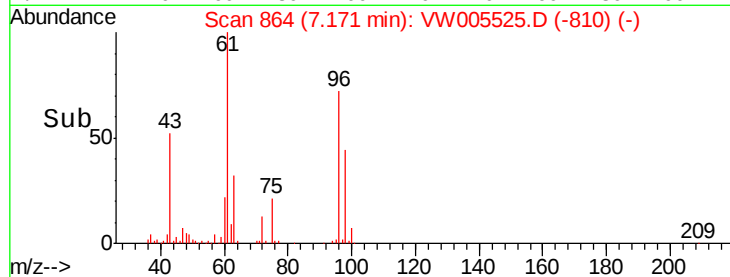
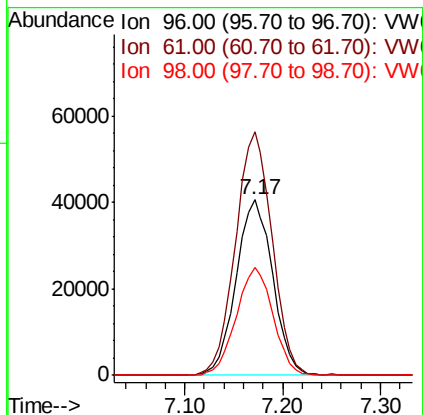
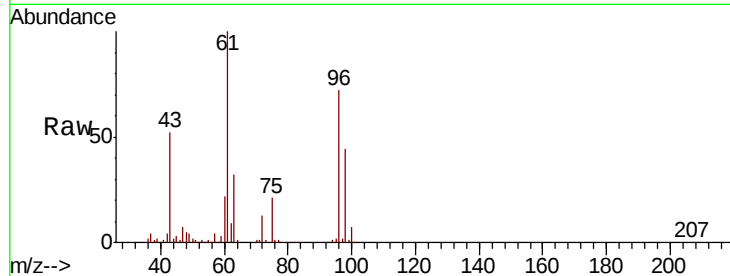


#22

cis-1,2-Dichloroethene
 Concen: 23.194 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW005525.D
 Acq: 20 Sep 2018 09:53

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB84

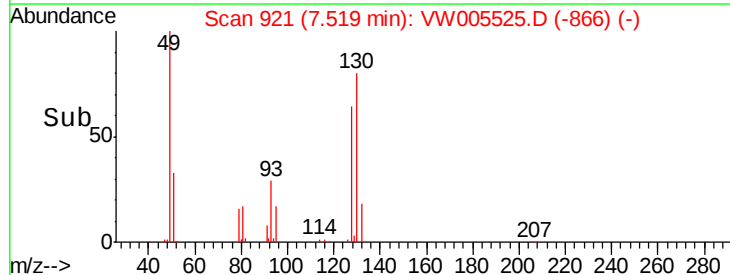
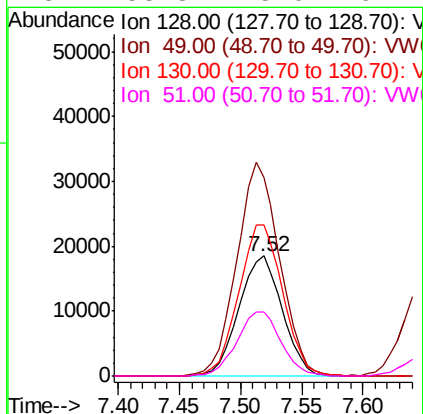
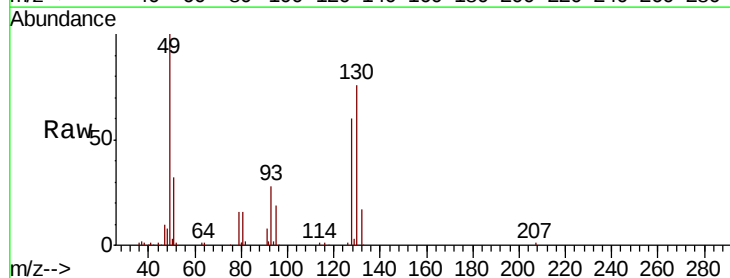
Tgt Ion: 96 Resp: 105740
 Ion Ratio Lower Upper
 96 100
 61 138.7 96.5 179.1
 98 61.2 44.1 81.9

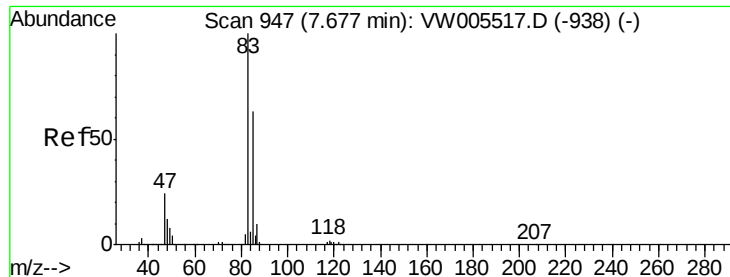


#23

Bromochloromethane
 Concen: 22.474 ug/L
 RT: 7.52 min Scan# 921
 Delta R.T. 0.01 min
 Lab File: VW005525.D
 Acq: 20 Sep 2018 09:53

Tgt Ion: 128 Resp: 45559
 Ion Ratio Lower Upper
 128 100
 49 165.7 122.0 226.6
 130 126.1 89.9 167.0
 51 53.3 45.0 67.4





#25

Chloroform

Concen: 23.405 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW005525.D

Acq: 20 Sep 2018 09:53

Instrument :

MSVOA_W

ClientSampleId :

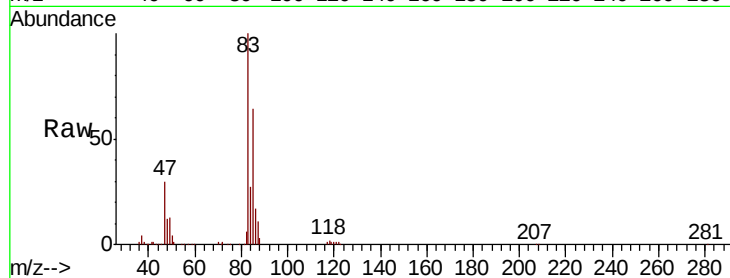
BFB84

Tgt Ion: 83 Resp: 189449

Ion Ratio Lower Upper

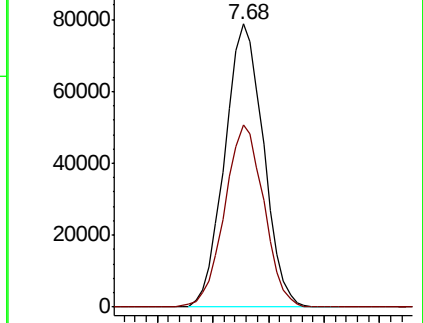
83 100

85 65.2 46.0 85.4

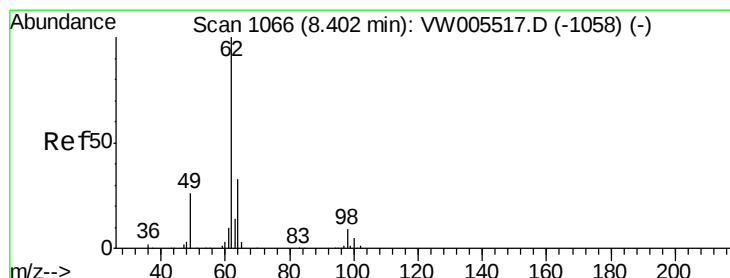
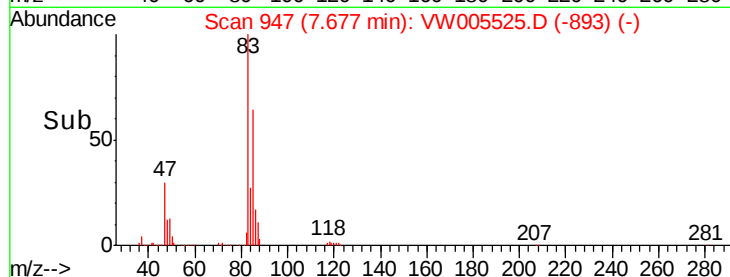


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



Time-->



#27

1,2-Dichloroethane

Concen: 22.338 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW005525.D

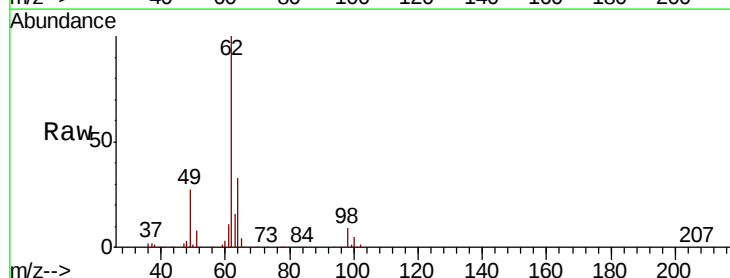
Acq: 20 Sep 2018 09:53

Tgt Ion: 62 Resp: 133411

Ion Ratio Lower Upper

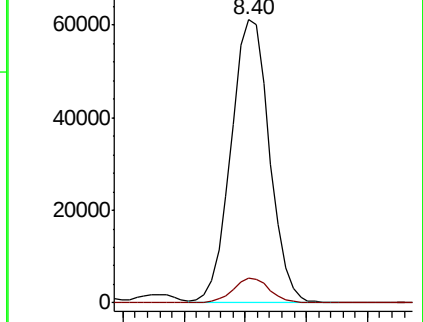
62 100

98 8.8 6.8 10.2

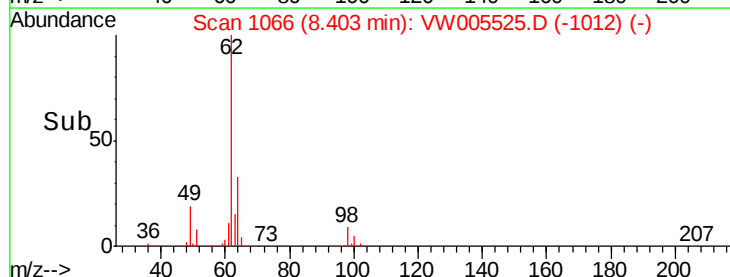


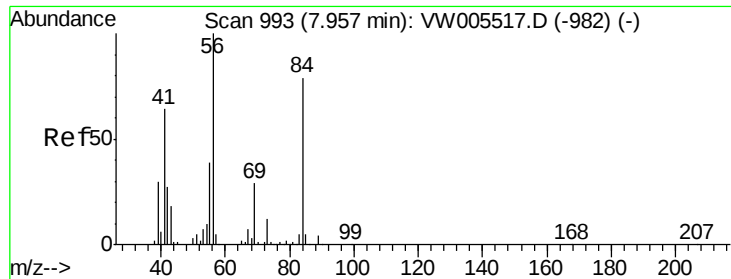
Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW



Time-->

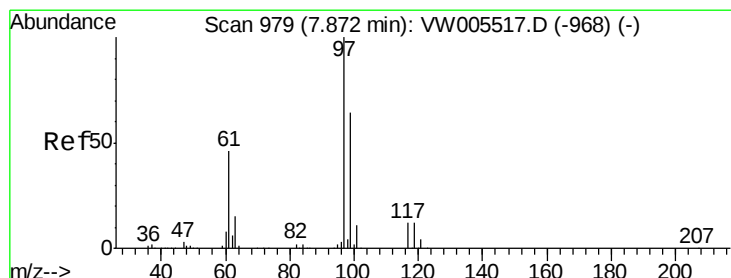
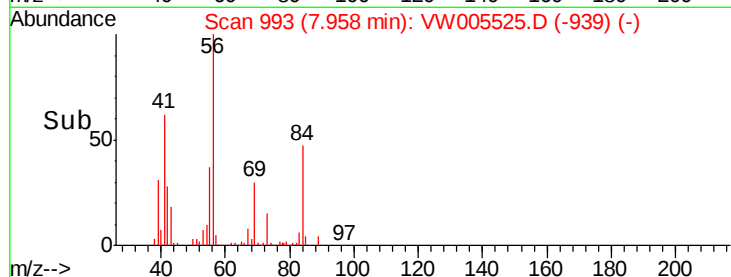
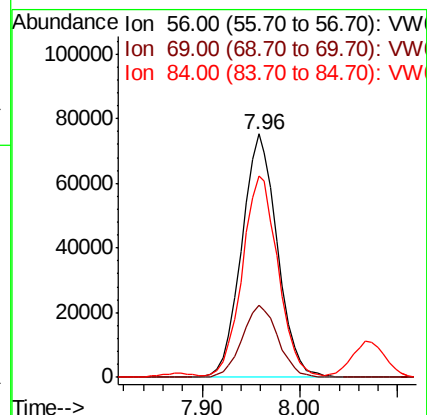
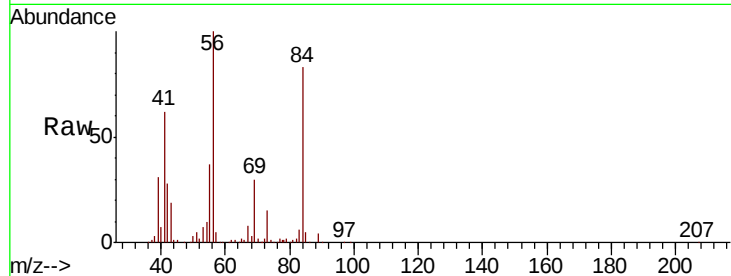




#30
Cyclohexane
Concen: 25.252 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW005525.D
Acq: 20 Sep 2018 09:53

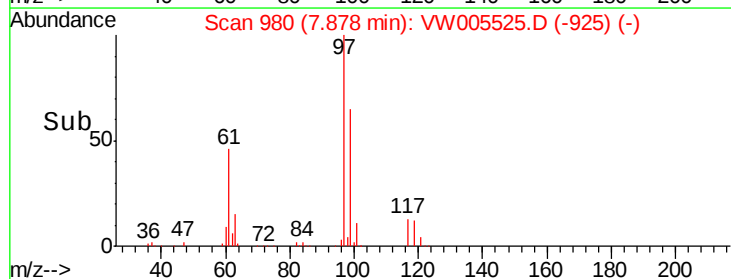
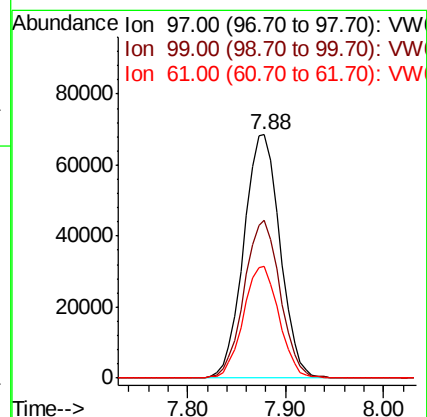
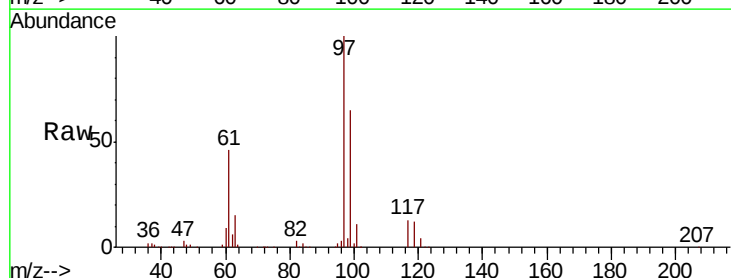
Instrument :
MSVOA_W
ClientSampleId :
BFB84

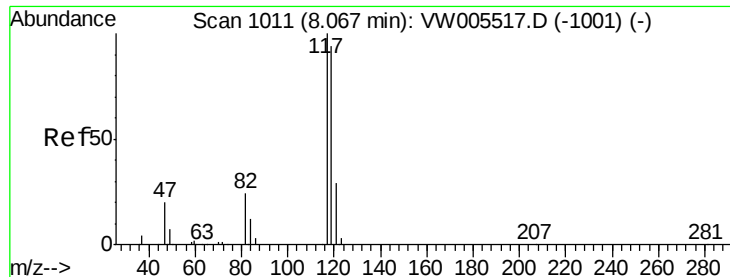
Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.7	23.6	35.4
84	83.4	64.6	96.8



#31
1,1,1-Trichloroethane
Concen: 26.863 ug/L
RT: 7.88 min Scan# 980
Delta R.T. 0.01 min
Lab File: VW005525.D
Acq: 20 Sep 2018 09:53

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.7	77.5
61	45.3	37.0	55.4





#32

Carbon tetrachloride

Concen: 26.819 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VW005525.D

Acq: 20 Sep 2018 09:53

Instrument :

MSVOA_W

ClientSampleId :

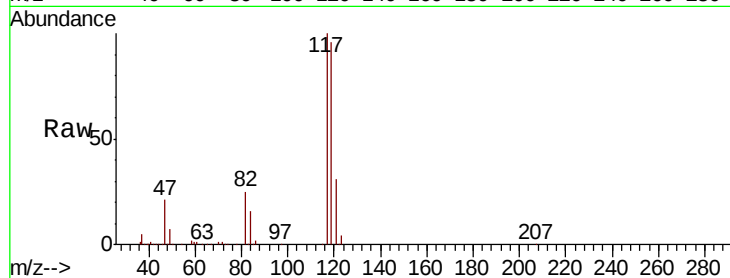
BFB84

Tgt Ion:117 Resp: 168045

Ion Ratio Lower Upper

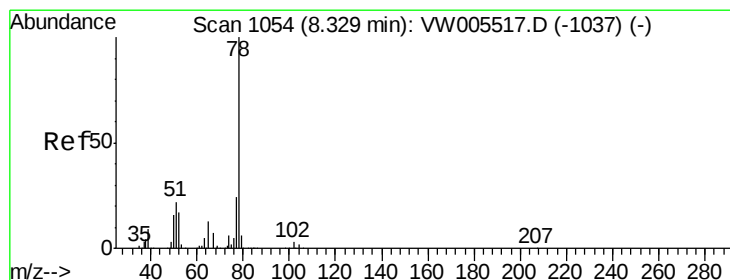
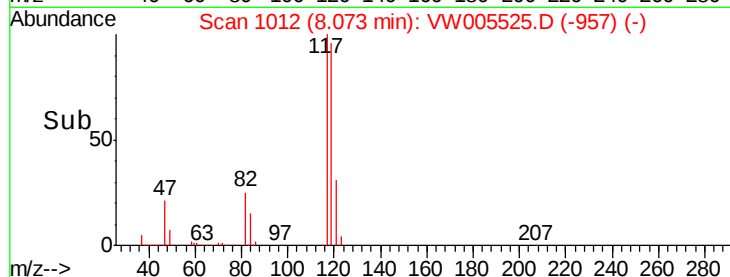
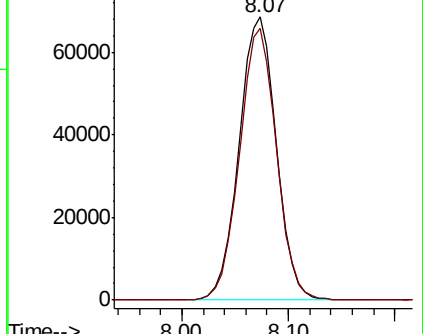
117 100

119 95.2 76.2 114.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 24.310 ug/L

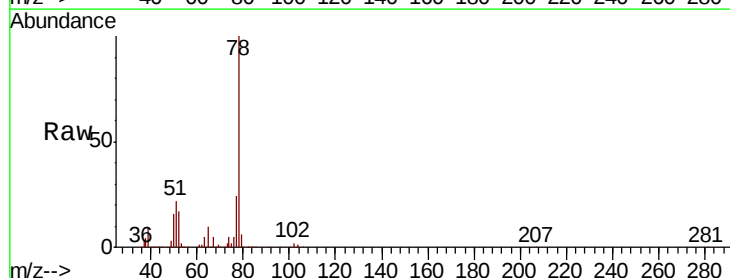
RT: 8.33 min Scan# 1054

Delta R.T. 0.00 min

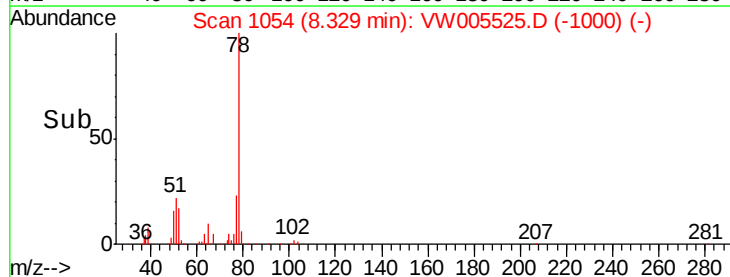
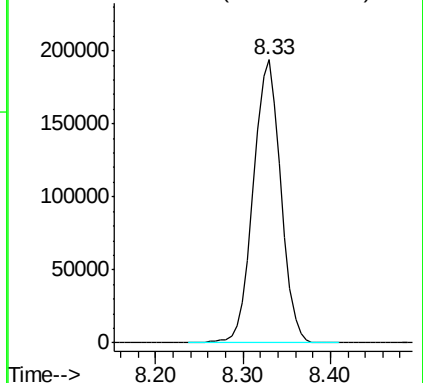
Lab File: VW005525.D

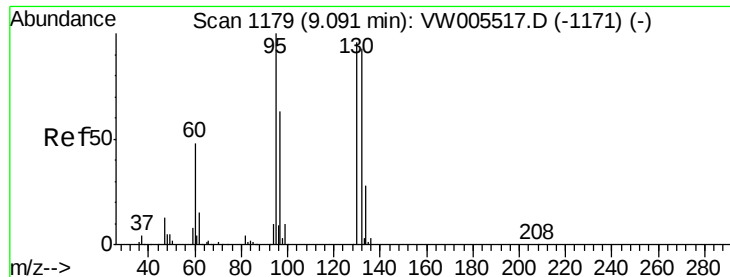
Acq: 20 Sep 2018 09:53

Tgt Ion: 78 Resp: 422495



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 24.474 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VW005525.D

Acq: 20 Sep 2018 09:53

Instrument :

MSVOA_W

ClientSampleId :

BFB84

Tgt Ion: 95 Resp: 110013

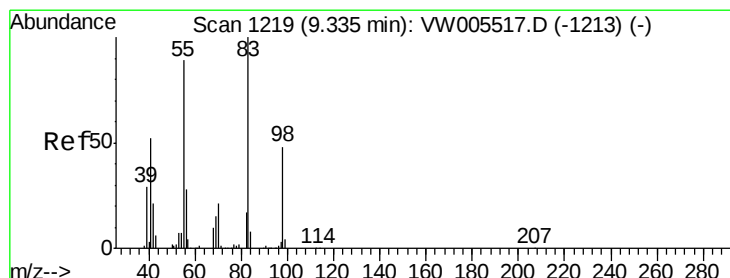
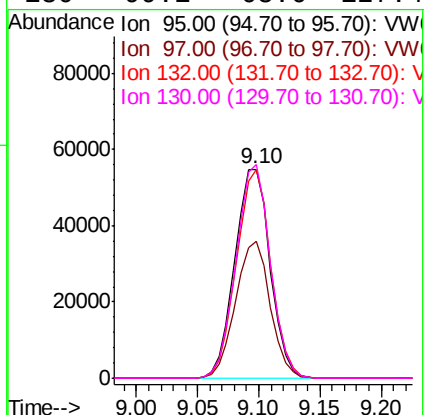
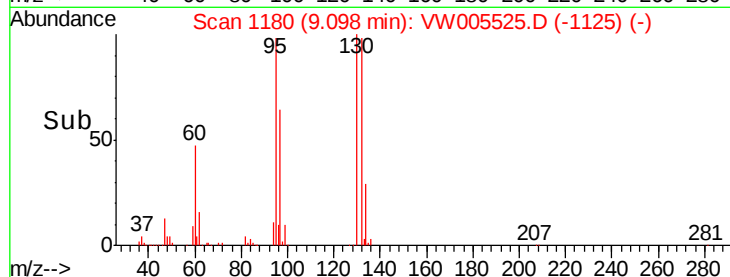
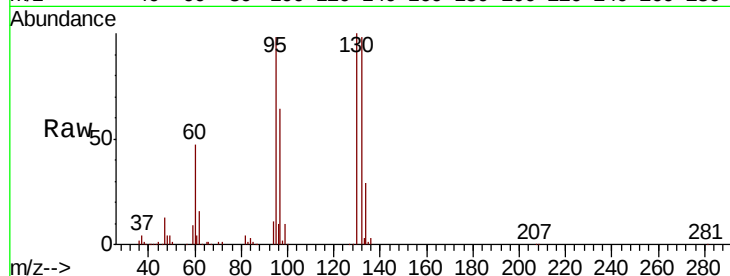
Ion Ratio Lower Upper

95 100

97 64.1 45.0 83.6

132 96.7 66.4 123.2

130 99.1 68.6 127.4



#36

Methylcyclohexane

Concen: 25.372 ug/L

RT: 9.34 min Scan# 1220

Delta R.T. 0.00 min

Lab File: VW005525.D

Acq: 20 Sep 2018 09:53

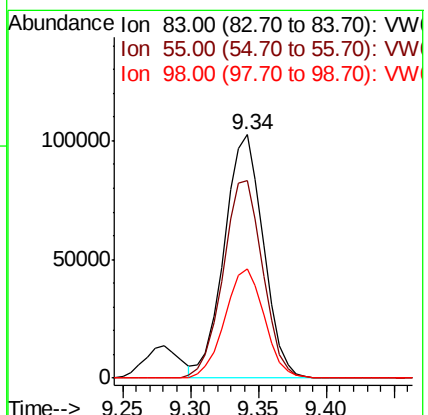
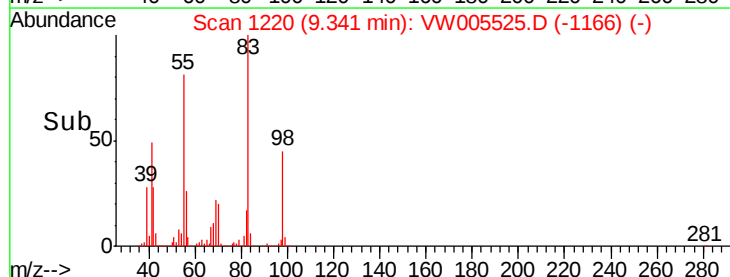
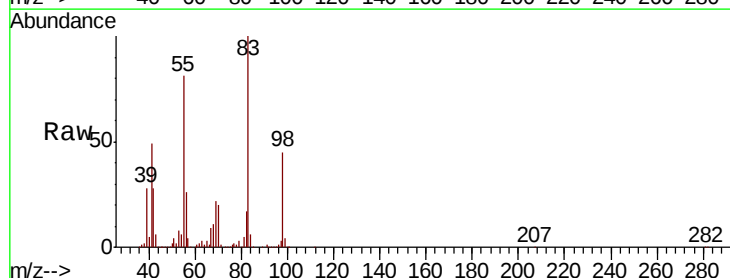
Tgt Ion: 83 Resp: 204443

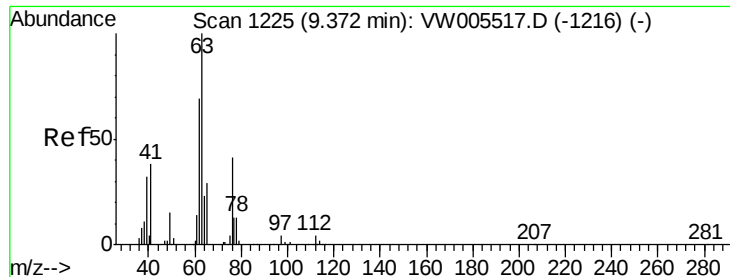
Ion Ratio Lower Upper

83 100

55 82.7 66.4 99.6

98 45.7 36.3 54.5





#40

1,2-Dichloropropane

Concen: 23.479 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW005525.D

Acq: 20 Sep 2018 09:53

Instrument :

MSVOA_W

ClientSampleId :

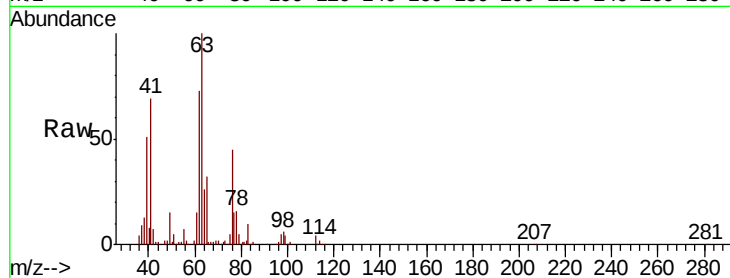
BFB84

Tgt Ion: 63 Resp: 105944

Ion Ratio Lower Upper

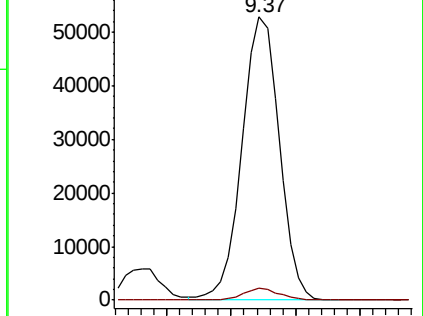
63 100

112 4.1 3.2 4.8

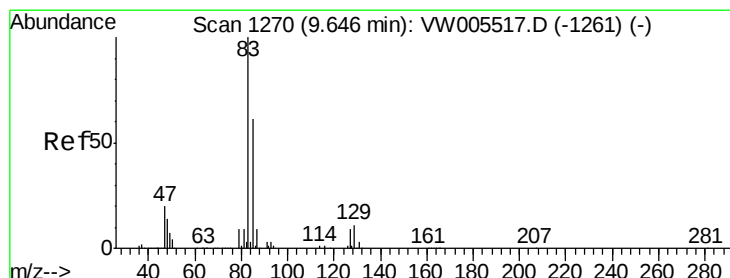
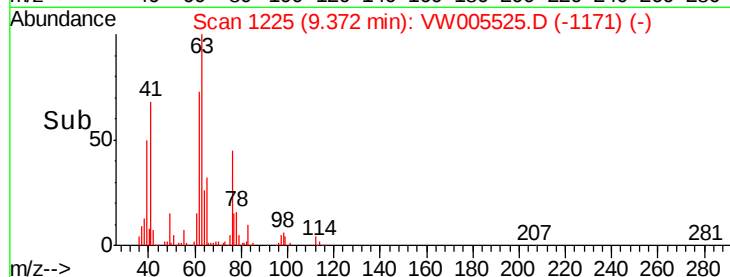


Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



Time-->



#41

Bromodichloromethane

Concen: 23.523 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW005525.D

Acq: 20 Sep 2018 09:53

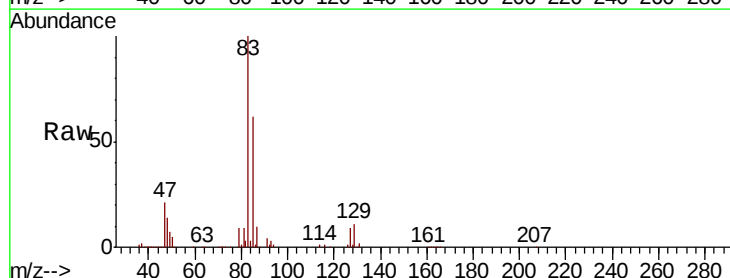
Tgt Ion: 83 Resp: 130876

Ion Ratio Lower Upper

83 100

85 62.4 43.0 80.0

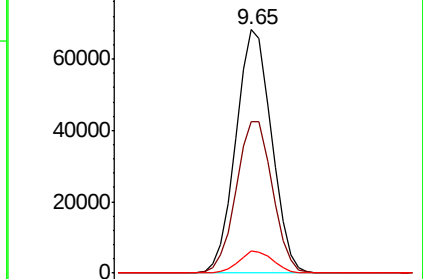
127 8.9 6.8 10.2



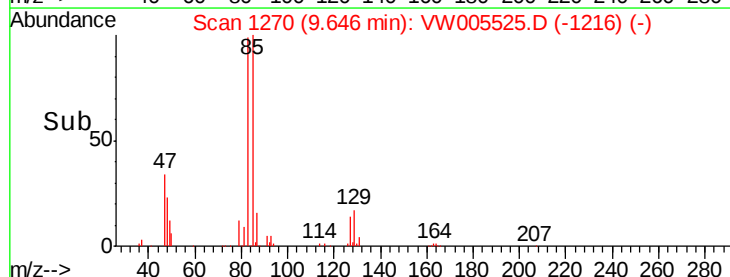
Abundance Ion 83.00 (82.70 to 83.70): VW

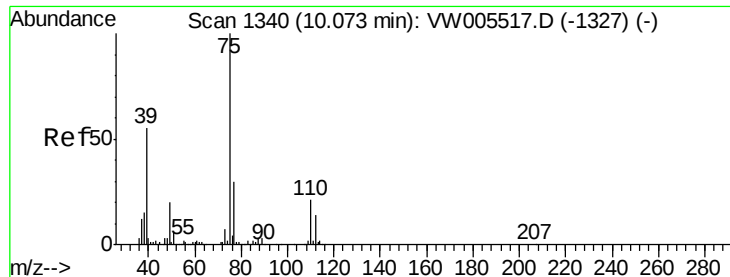
Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V



Time-->





#42

cis-1,3-Dichloropropene

Concen: 23.666 ug/L

RT: 10.08 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VW005525.D

Acq: 20 Sep 2018 09:53

Instrument :

MSVOA_W

ClientSampleId :

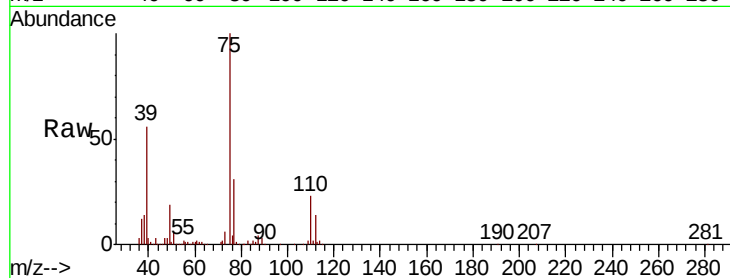
BFB84

Tgt Ion: 75 Resp: 157015

Ion Ratio Lower Upper

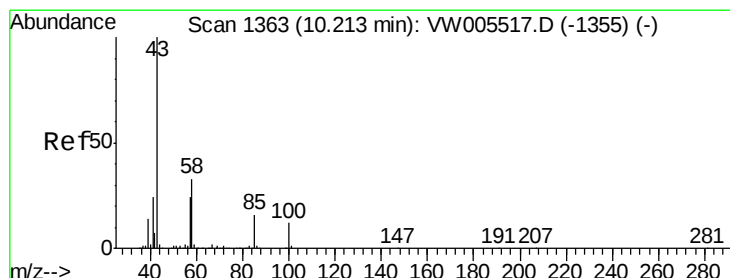
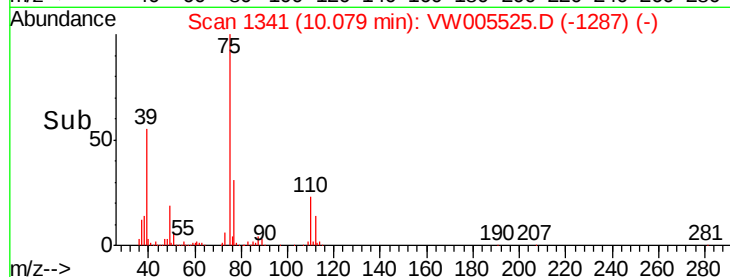
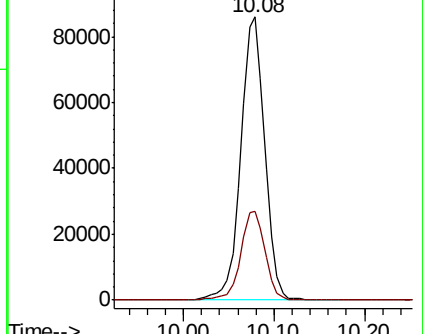
75 100

77 31.4 21.1 39.1



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#43

4-Methyl-2-pentanone

Concen: 51.349 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW005525.D

Acq: 20 Sep 2018 09:53

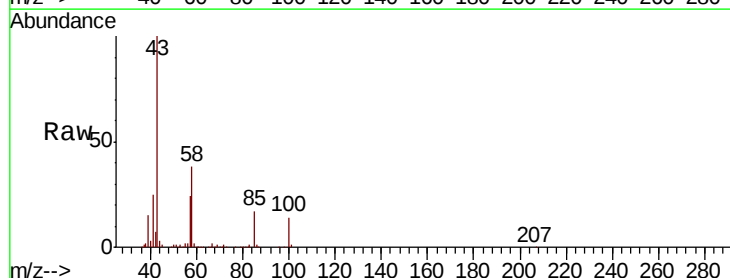
Tgt Ion: 43 Resp: 185853

Ion Ratio Lower Upper

43 100

58 36.9 29.2 43.8

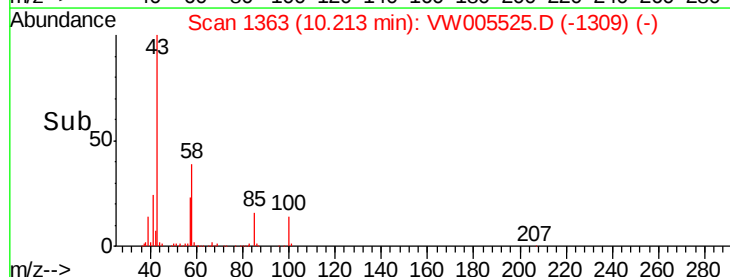
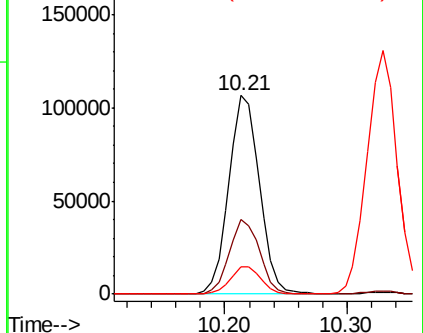
100 13.7 10.8 16.2

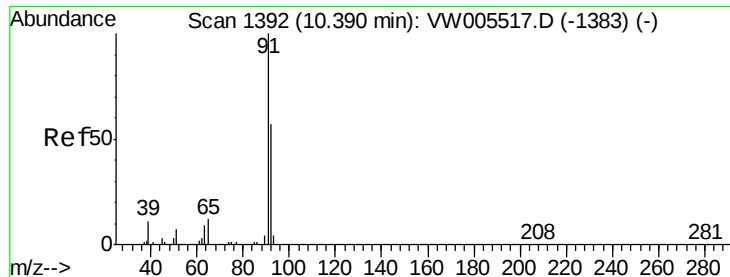


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW





#44

Toluene

Concen: 24.974 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW005525.D

Acq: 20 Sep 2018 09:53

Instrument :

MSVOA_W

ClientSampled :

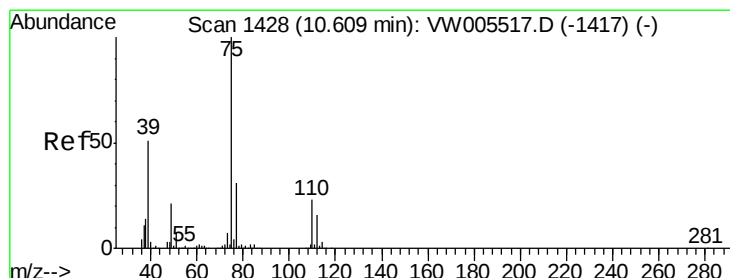
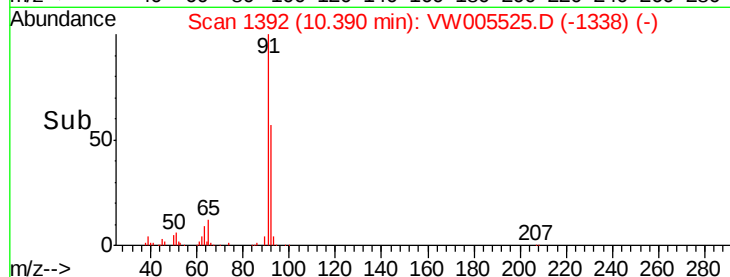
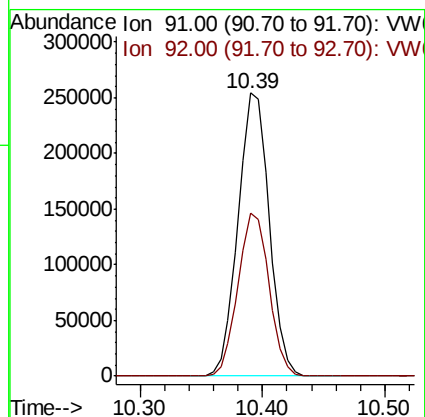
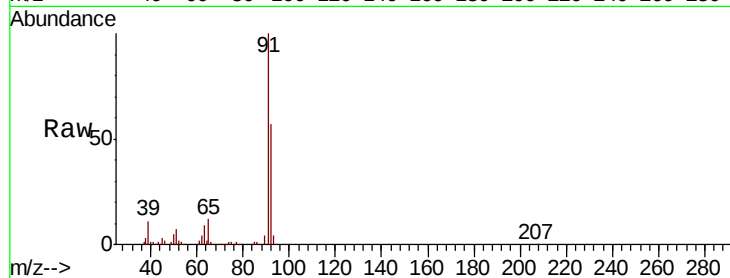
BFB84

Tgt Ion: 91 Resp: 448796

Ion Ratio Lower Upper

91 100

92 57.5 40.0 74.2



#45

trans-1,3-Dichloropropene

Concen: 23.303 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW005525.D

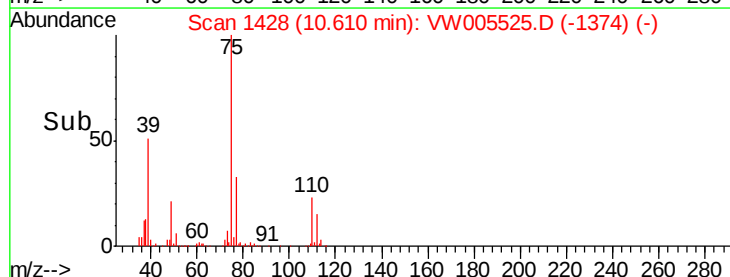
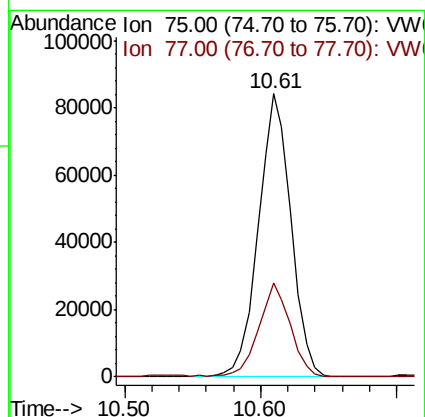
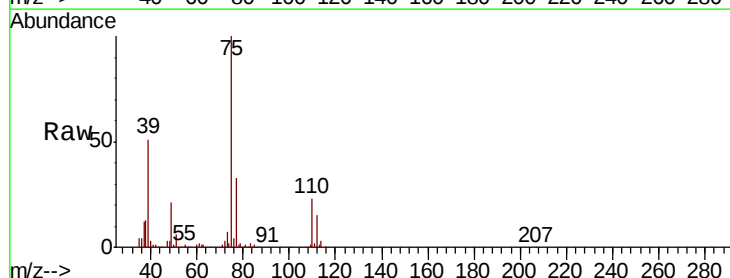
Acq: 20 Sep 2018 09:53

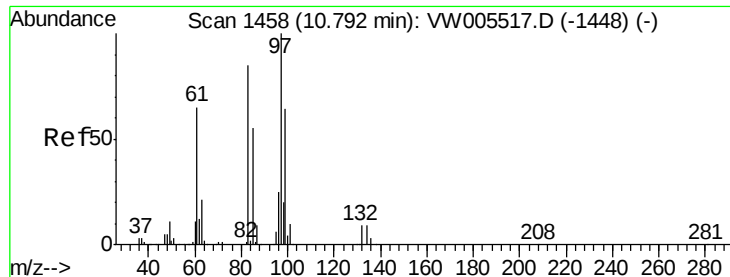
Tgt Ion: 75 Resp: 141155

Ion Ratio Lower Upper

75 100

77 33.2 22.1 41.1





#46

1,1,2-Trichloroethane

Concen: 22.977 ug/L

RT: 10.79 min Scan# 1458

Delta R.T. 0.00 min

Lab File: VW005525.D

Acq: 20 Sep 2018 09:53

Instrument :

MSVOA_W

ClientSampleId :

BFB84

Tgt Ion: 97 Resp: 76858

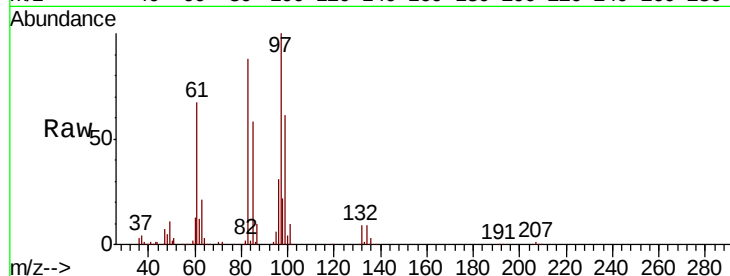
Ion Ratio Lower Upper

97 100

83 87.8 59.5 110.5

85 58.5 38.4 71.2

99 61.3 44.5 82.7



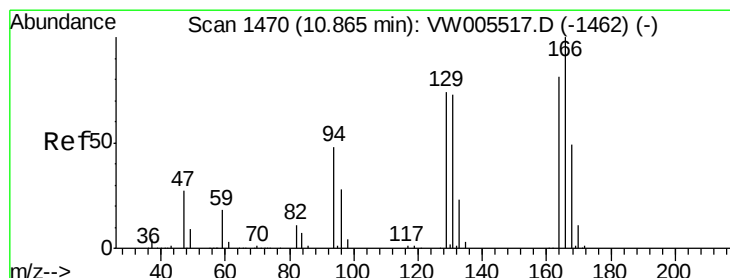
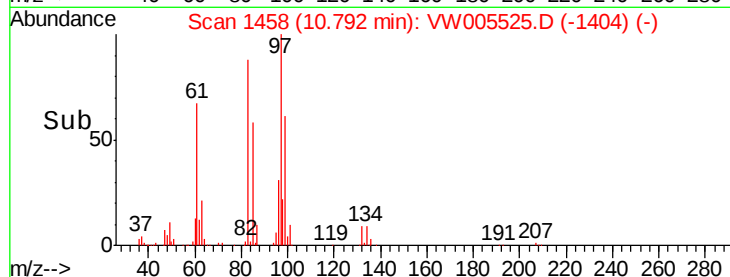
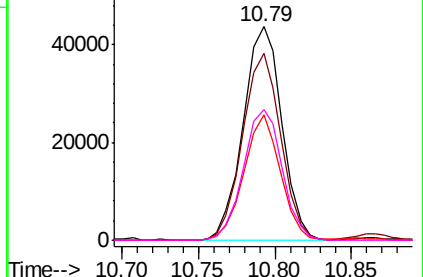
Abundance

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: 25.104 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW005525.D

Acq: 20 Sep 2018 09:53

Tgt Ion: 164 Resp: 92008

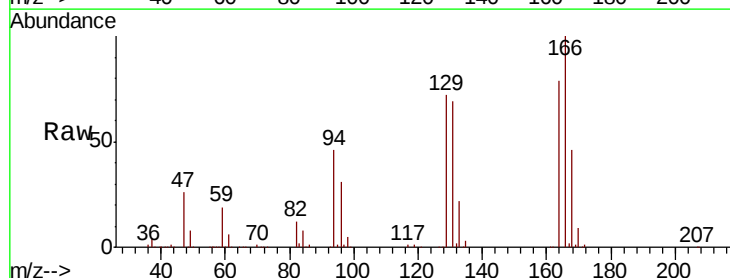
Ion Ratio Lower Upper

164 100

129 92.1 63.7 118.3

131 88.1 63.3 117.5

166 127.4 86.5 160.6



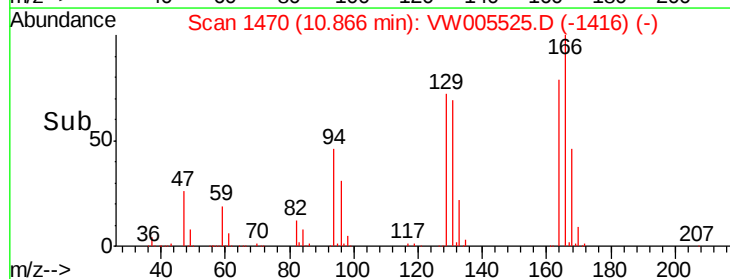
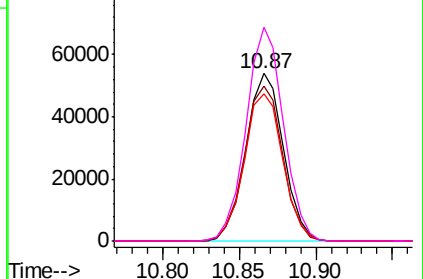
Abundance

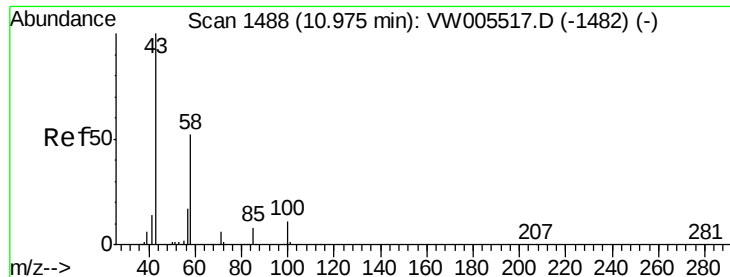
Ion 164.00 (163.70 to 164.70): V

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

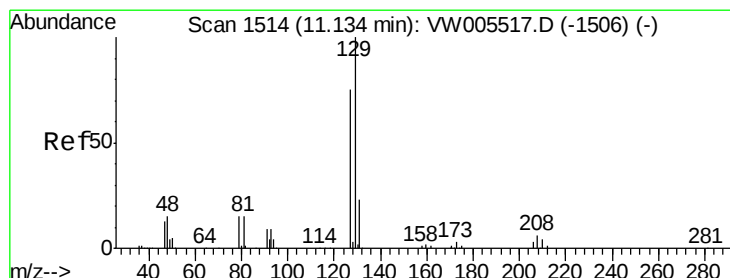
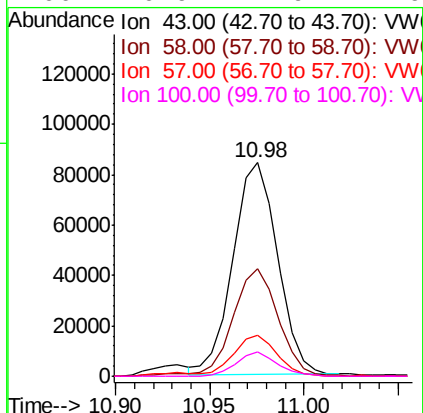
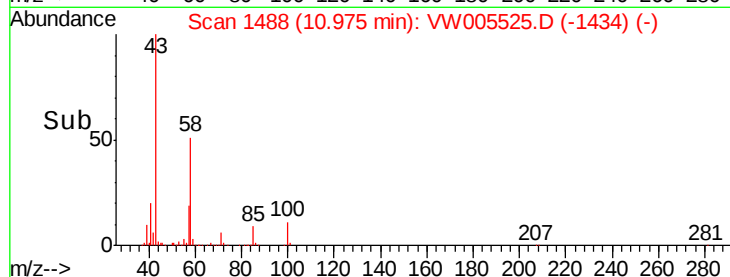
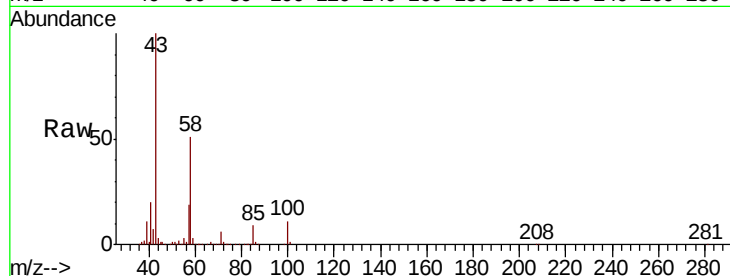




#49
2-Hexanone
Concen: 52.647 ug/L
RT: 10.98 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VW005525.D
Acq: 20 Sep 2018 09:53

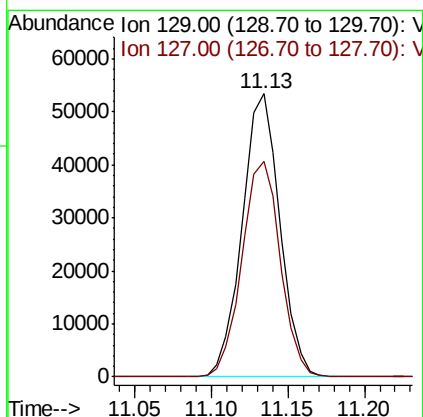
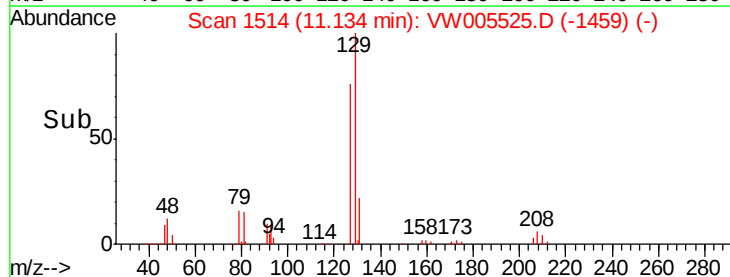
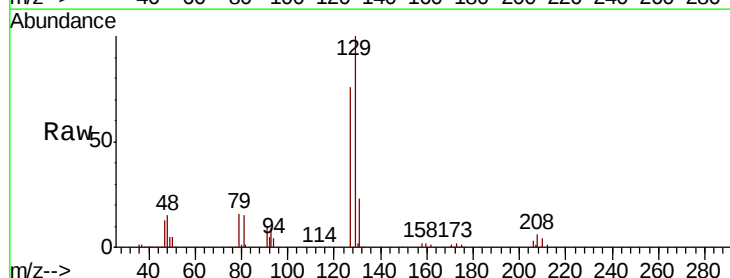
Instrument :
MSVOA_W
ClientSampleId :
BFB84

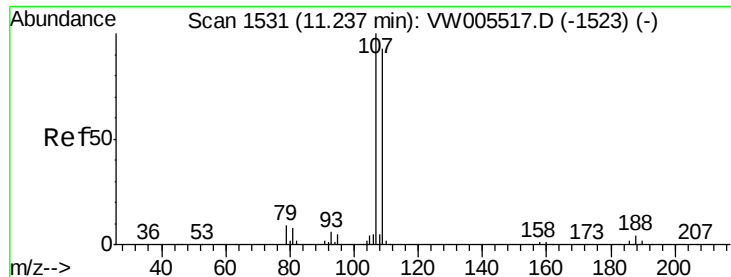
Tgt Ion: 43 Resp: 137692
Ion Ratio Lower Upper
43 100
58 52.4 40.1 60.1
57 19.1 14.1 21.1
100 10.9 7.9 11.9



#50
Dibromochloromethane
Concen: 23.266 ug/L
RT: 11.13 min Scan# 1514
Delta R.T. 0.01 min
Lab File: VW005525.D
Acq: 20 Sep 2018 09:53

Tgt Ion: 129 Resp: 91523
Ion Ratio Lower Upper
129 100
127 76.0 52.5 97.5

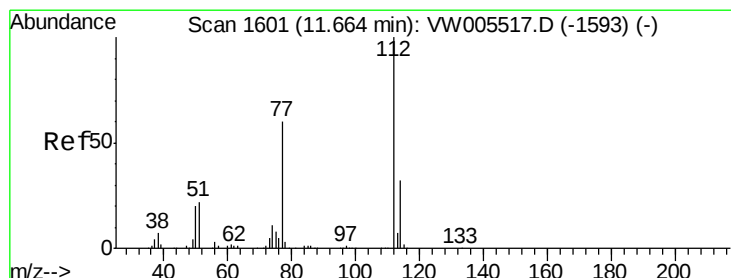
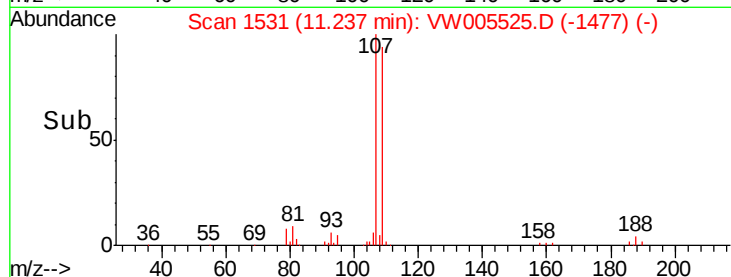
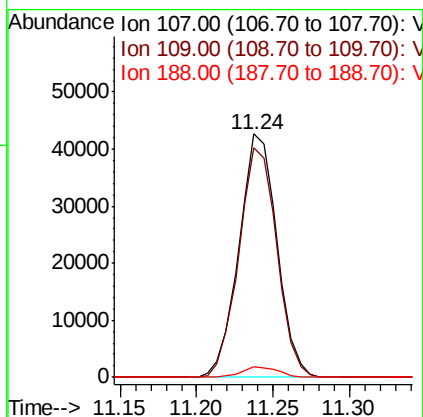
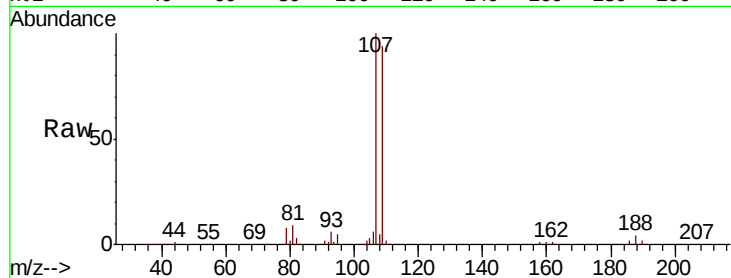




#51
 1,2-Dibromoethane
 Concen: 23.262 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW005525.D
 Acq: 20 Sep 2018 09:53

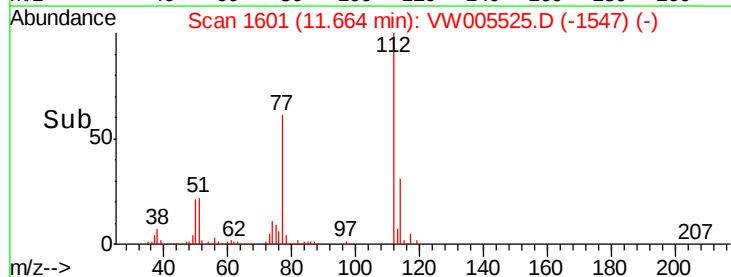
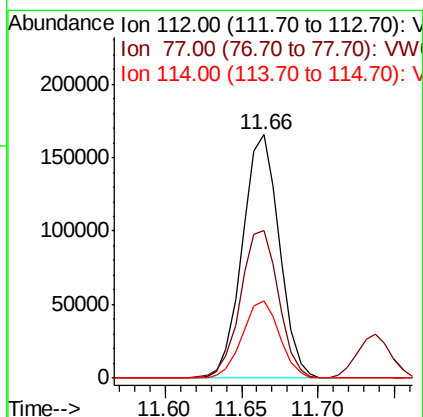
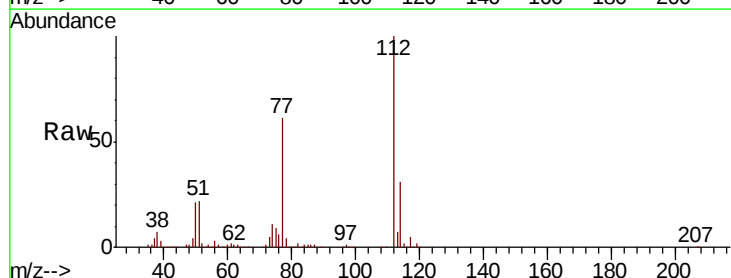
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB84

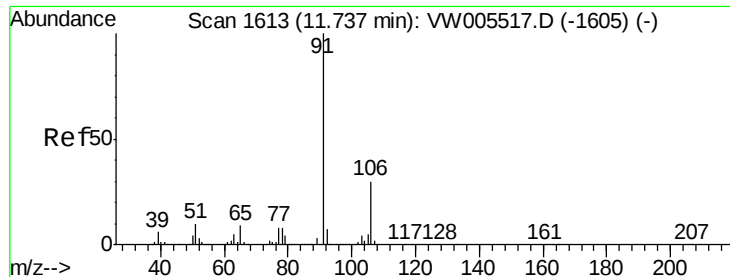
Tgt Ion:107 Resp: 73595
 Ion Ratio Lower Upper
 107 100
 109 94.4 65.4 121.4
 188 4.2 2.9 4.3



#52
 Chlorobenzene
 Concen: 23.847 ug/L
 RT: 11.66 min Scan# 1601
 Delta R.T. 0.00 min
 Lab File: VW005525.D
 Acq: 20 Sep 2018 09:53

Tgt Ion:112 Resp: 277686
 Ion Ratio Lower Upper
 112 100
 77 60.6 48.5 72.7
 114 31.5 22.5 41.7





#53

Ethylbenzene

Concen: 24.430 ug/L

RT: 11.74 min Scan# 1613

Delta R.T. 0.00 min

Lab File: VW005525.D

Acq: 20 Sep 2018 09:53

Instrument :

MSVOA_W

ClientSampleId :

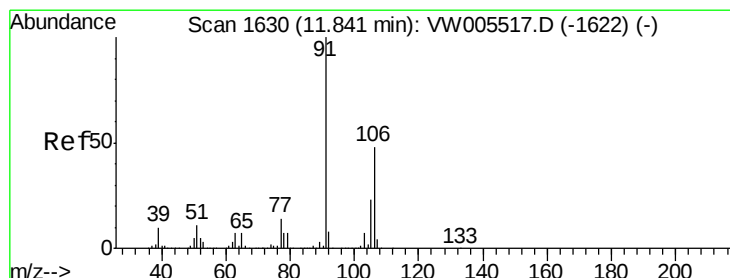
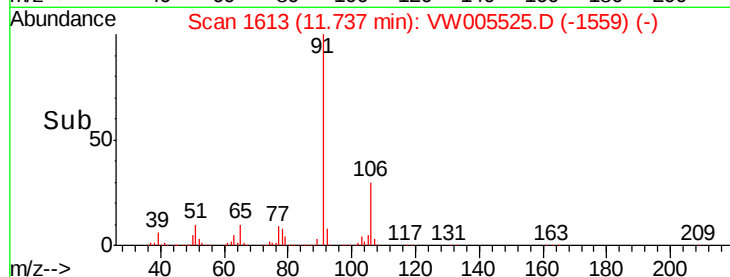
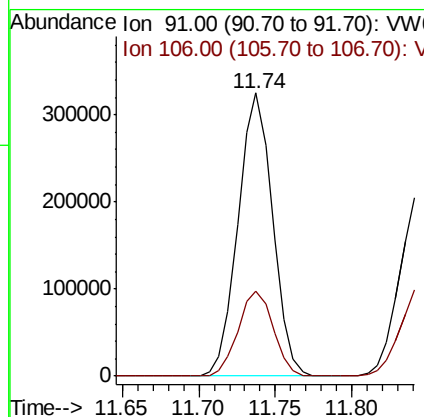
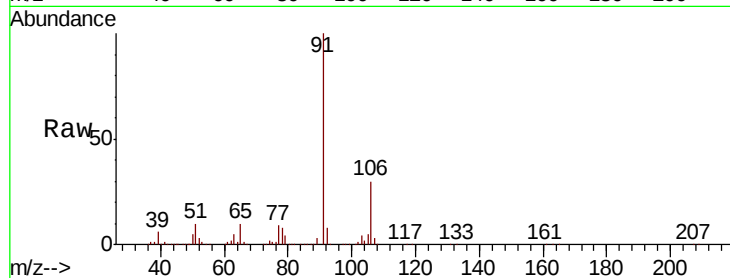
BFB84

Tgt Ion: 91 Resp: 509890

Ion Ratio Lower Upper

91 100

106 30.2 20.8 38.6



#54

m,p-Xylene

Concen: 25.013 ug/L

RT: 11.85 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VW005525.D

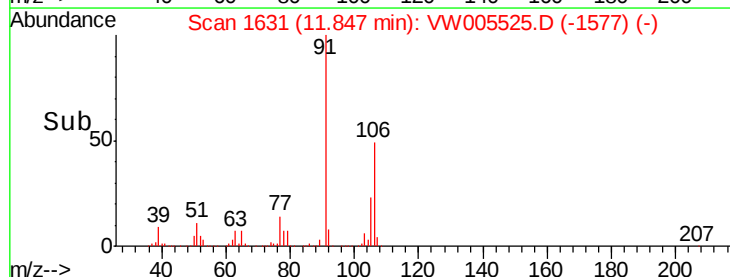
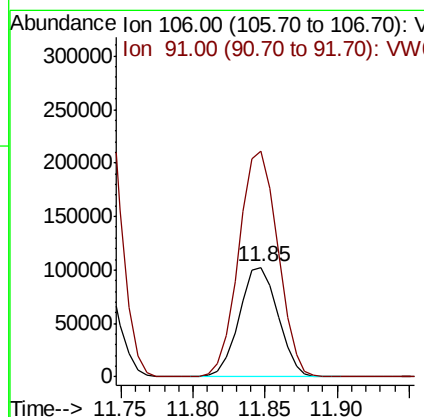
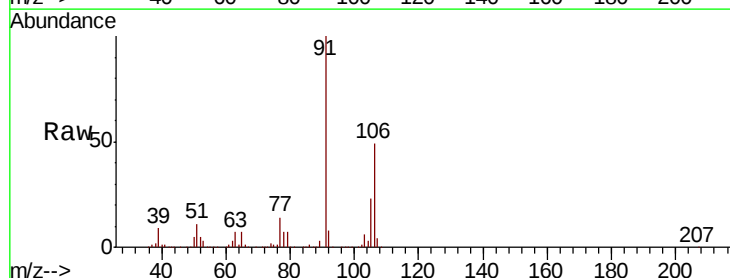
Acq: 20 Sep 2018 09:53

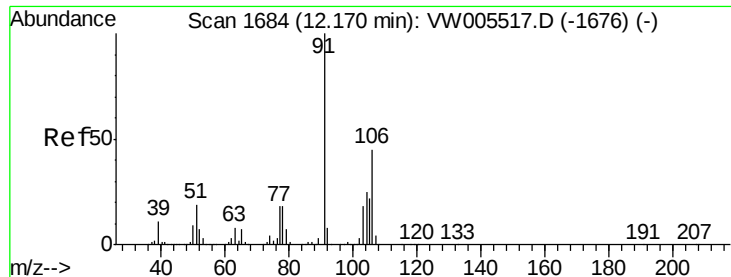
Tgt Ion: 106 Resp: 191679

Ion Ratio Lower Upper

106 100

91 205.5 144.6 268.6





#55

o-xylene

Concen: 24.348 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VW005525.D

Acq: 20 Sep 2018 09:53

Instrument :

MSVOA_W

ClientSampled :

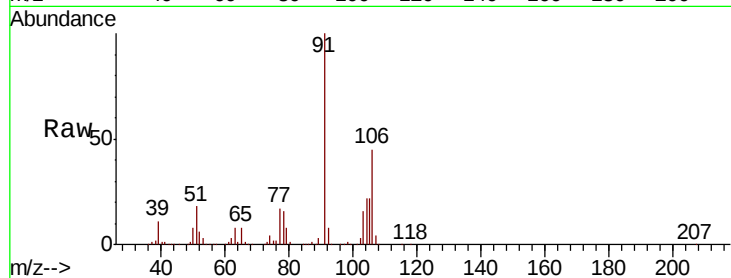
BFB84

Tgt Ion:106 Resp: 176594

Ion Ratio Lower Upper

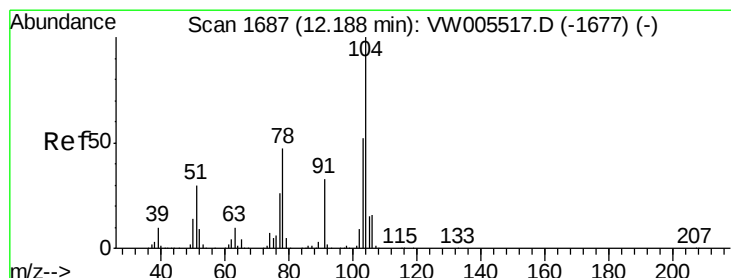
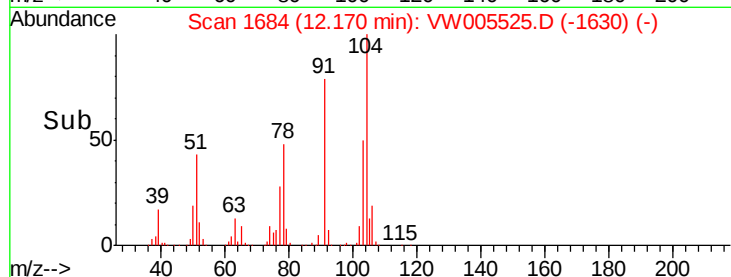
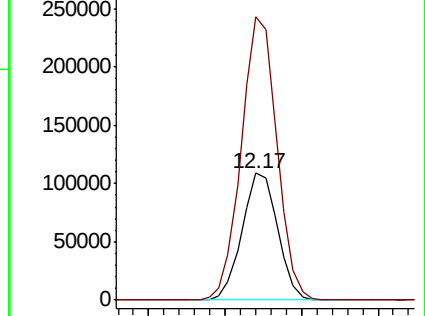
106 100

91 223.1 156.3 290.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 24.592 ug/L

RT: 12.19 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VW005525.D

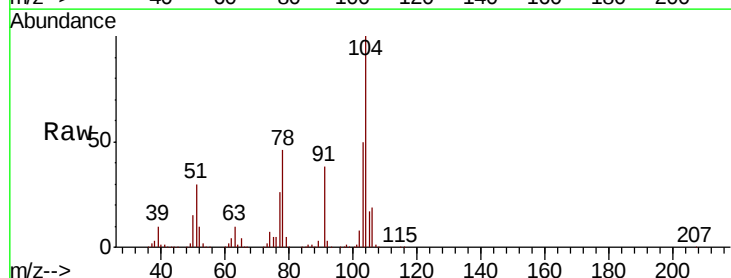
Acq: 20 Sep 2018 09:53

Tgt Ion:104 Resp: 306853

Ion Ratio Lower Upper

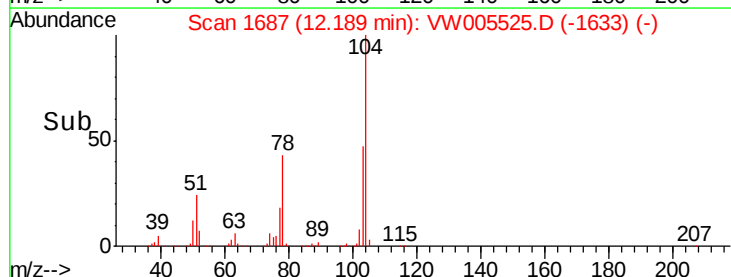
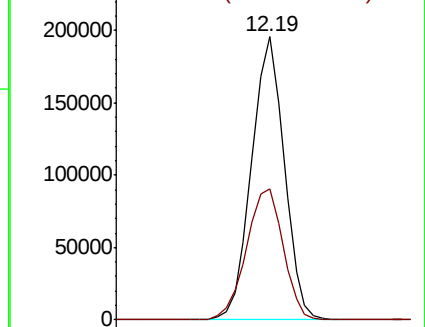
104 100

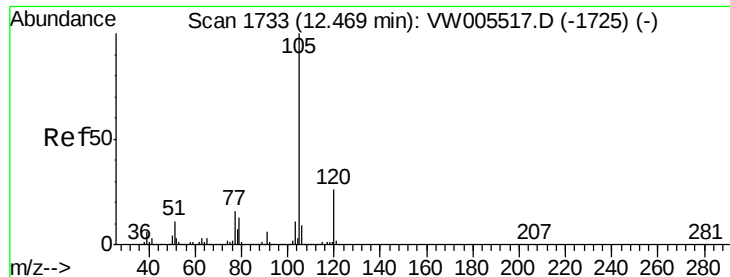
78 46.4 32.6 60.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 25.463 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW005525.D

Acq: 20 Sep 2018 09:53

Instrument :

MSVOA_W

ClientSampleId :

BFB84

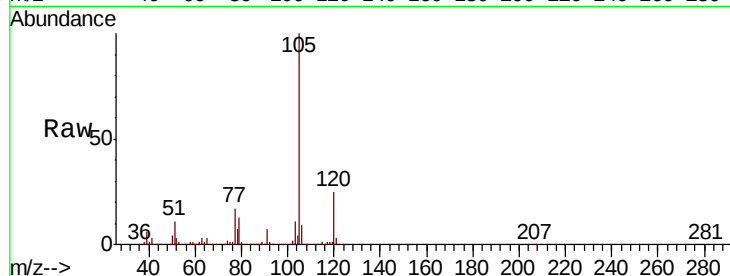
Tgt Ion: 105 Resp: 516971

Ion Ratio Lower Upper

105 100

120 25.7 20.4 30.6

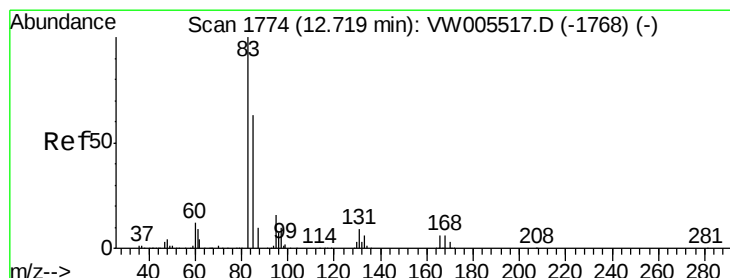
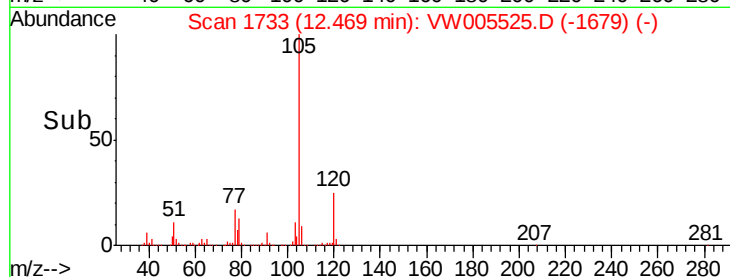
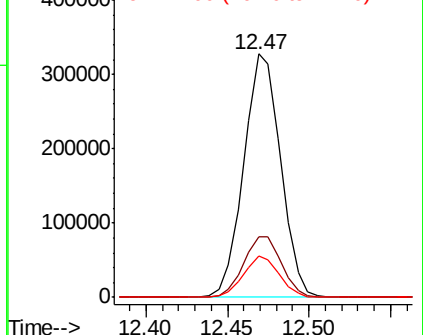
77 16.5 13.0 19.4



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: 23.492 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW005525.D

Acq: 20 Sep 2018 09:53

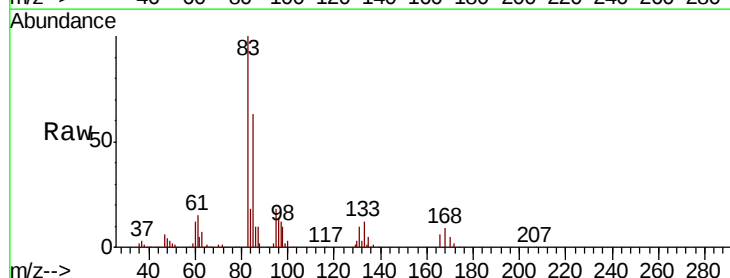
Tgt Ion: 83 Resp: 106863

Ion Ratio Lower Upper

83 100

85 63.3 43.9 81.5

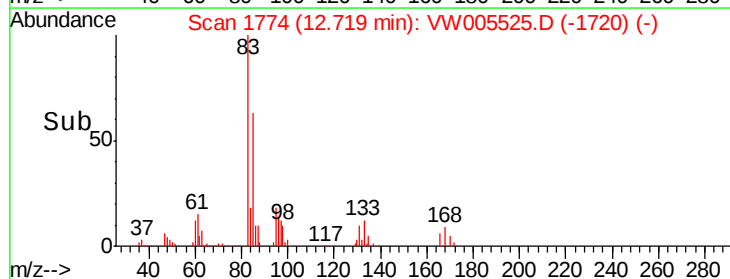
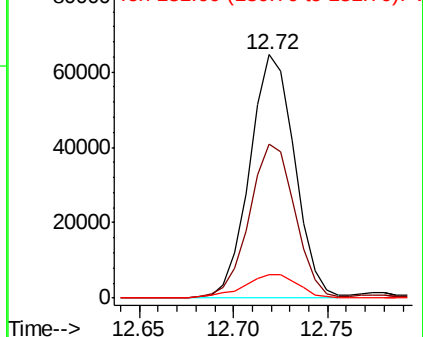
131 9.6 7.9 11.9

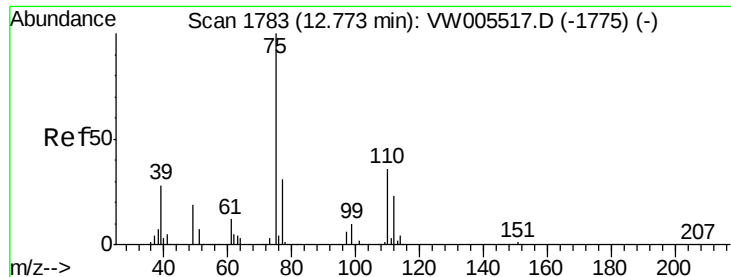


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 23.934 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW005525.D

Acq: 20 Sep 2018 09:53

Instrument :

MSVOA_W

ClientSampled :

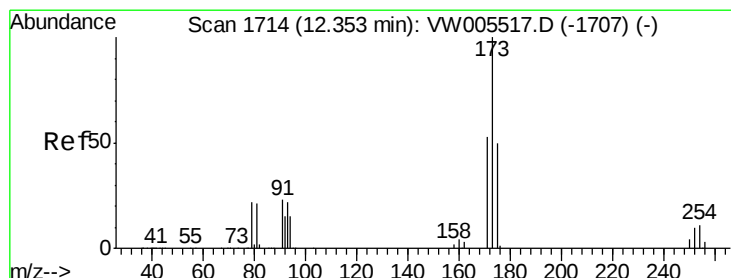
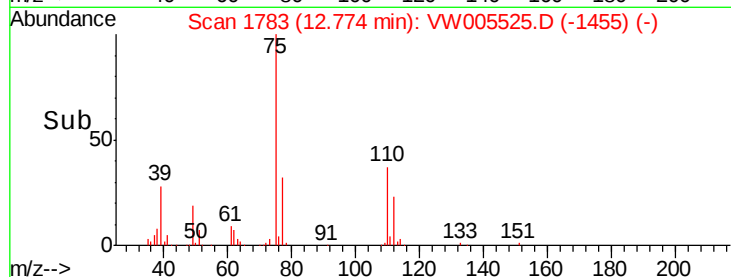
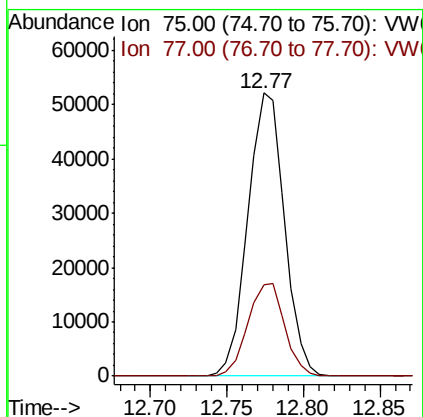
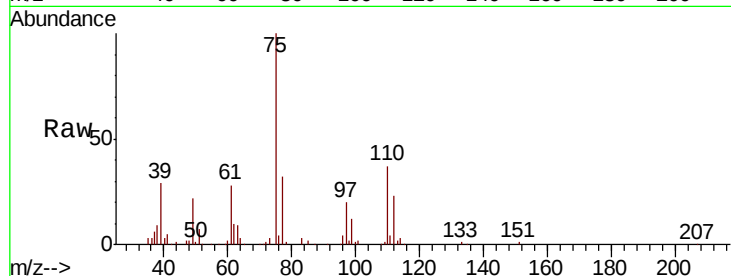
BFB84

Tgt Ion: 75 Resp: 86838

Ion Ratio Lower Upper

75 100

77 33.0 25.9 38.9



#62

Bromoform

Concen: 23.852 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW005525.D

Acq: 20 Sep 2018 09:53

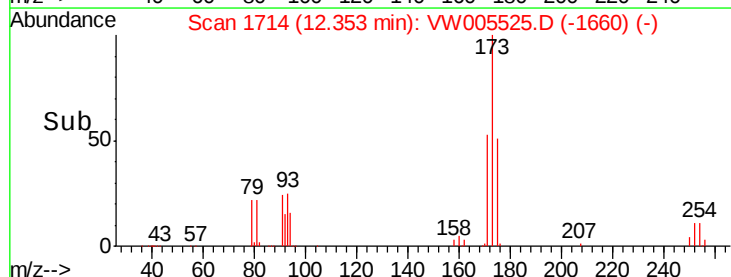
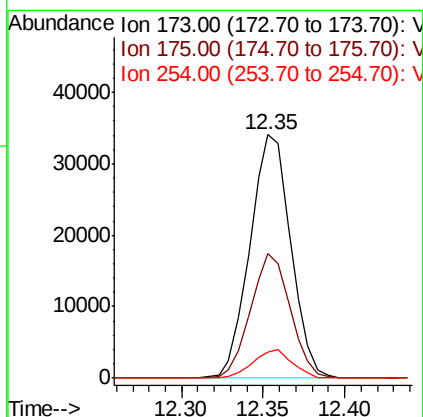
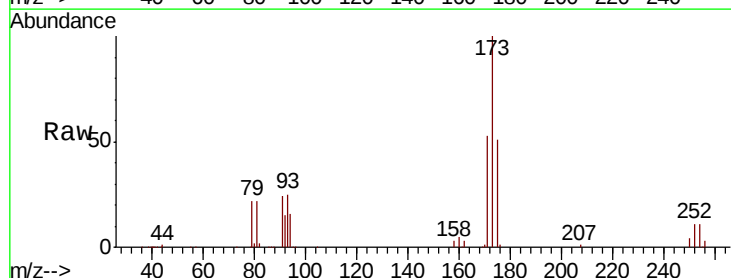
Tgt Ion: 173 Resp: 59384

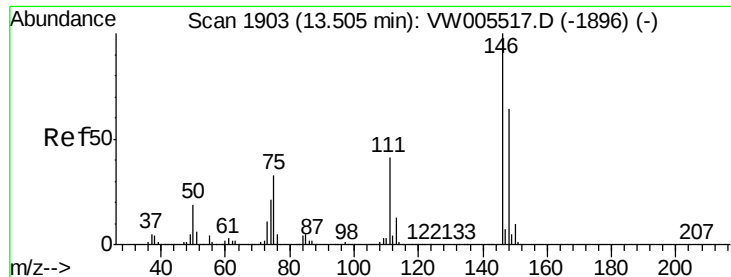
Ion Ratio Lower Upper

173 100

175 49.6 39.4 59.0

254 11.2 8.8 13.2

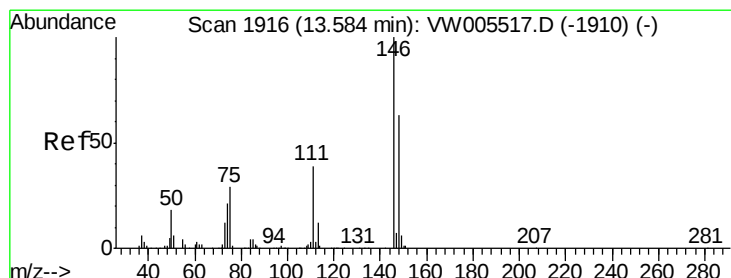
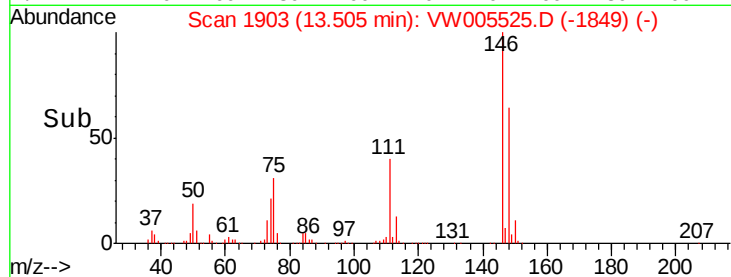
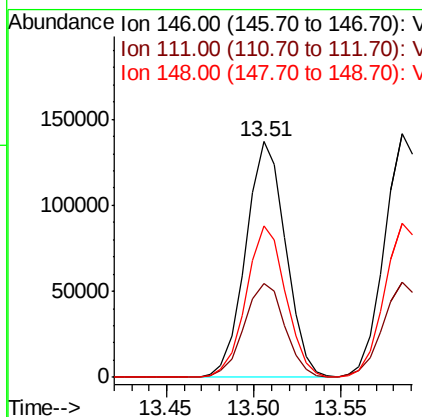
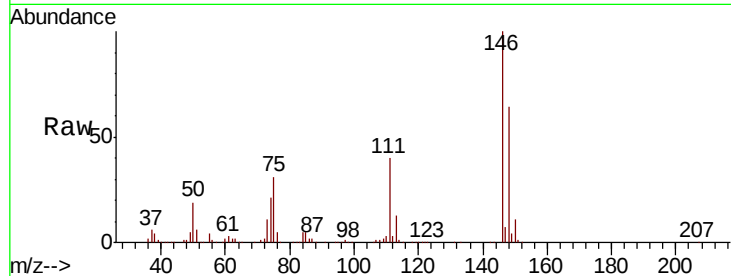




#63
 1,3-Dichlorobenzene
 Concen: 23.903 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW005525.D
 Acq: 20 Sep 2018 09:53

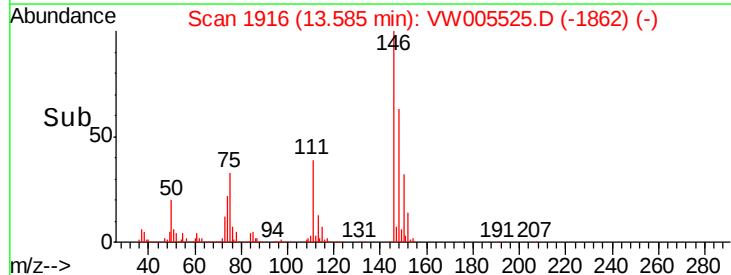
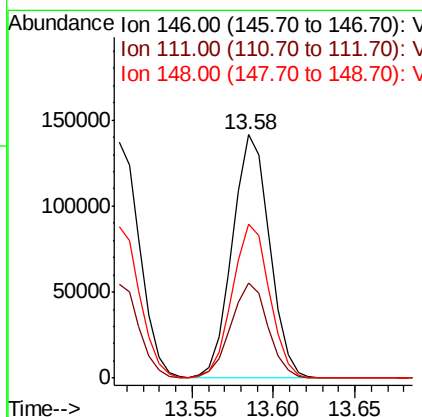
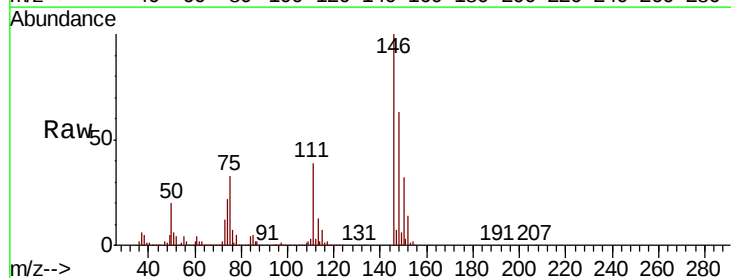
Instrument :
 MSVOA_W
 ClientSampled :
 BFB84

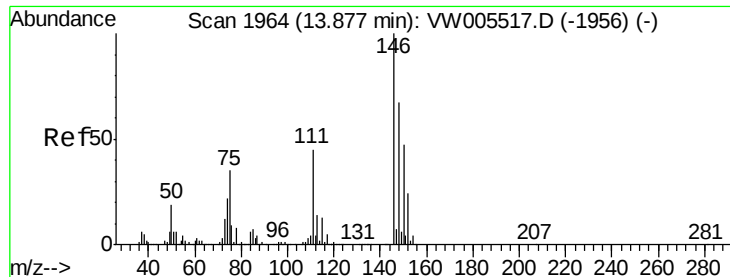
Tgt Ion:146 Resp: 216959
 Ion Ratio Lower Upper
 146 100
 111 39.8 28.6 53.0
 148 64.5 44.9 83.5



#64
 1,4-Dichlorobenzene
 Concen: 24.158 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW005525.D
 Acq: 20 Sep 2018 09:53

Tgt Ion:146 Resp: 225153
 Ion Ratio Lower Upper
 146 100
 111 39.2 27.4 51.0
 148 63.0 43.8 81.4

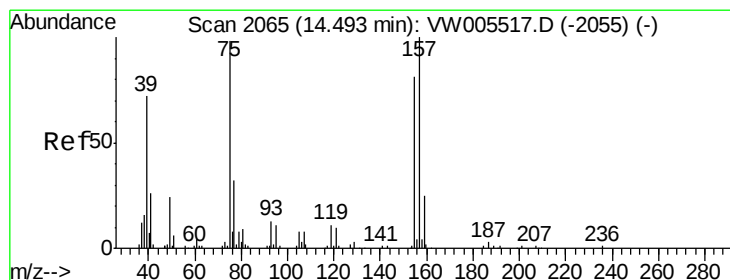
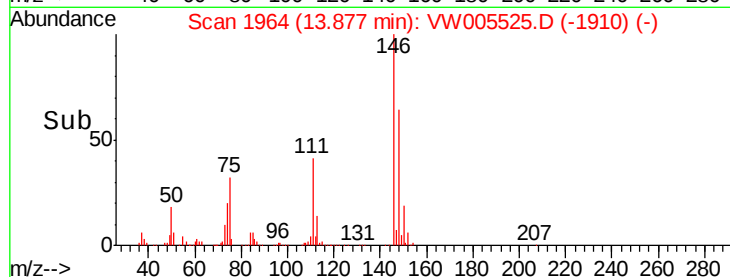
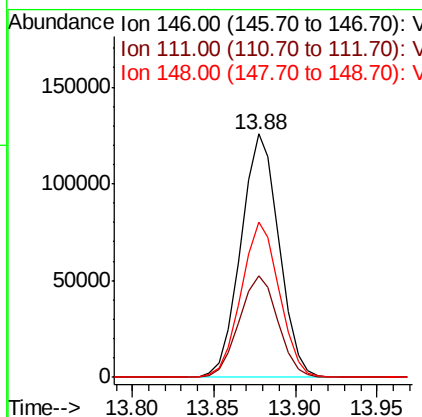
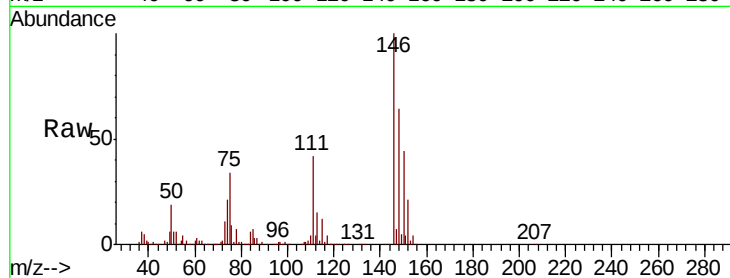




#65
 1,2-Dichlorobenzene
 Concen: 23.943 ug/L
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW005525.D
 Acq: 20 Sep 2018 09:53

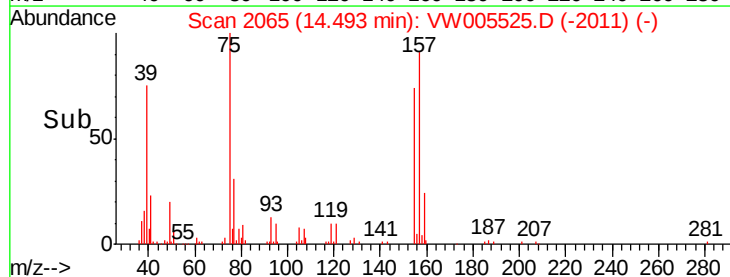
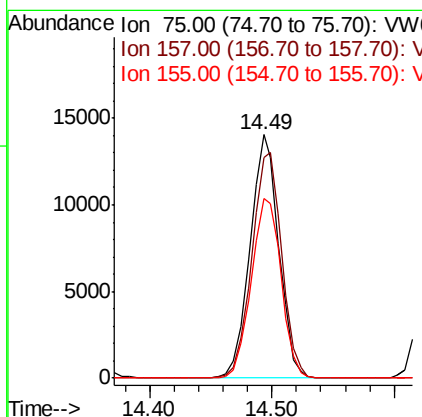
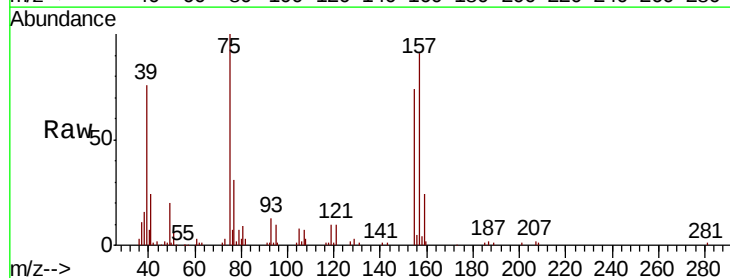
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB84

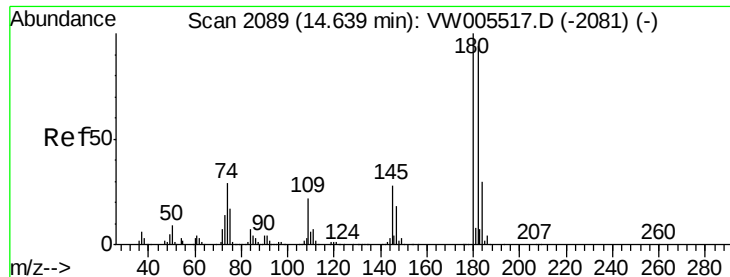
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.6	35.9	53.9
148	63.6	53.5	80.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 25.892 ug/L
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.00 min
 Lab File: VW005525.D
 Acq: 20 Sep 2018 09:53

Tgt Ion	Ratio	Lower	Upper
75	100		
157	90.5	81.5	122.3
155	73.6	66.2	99.2

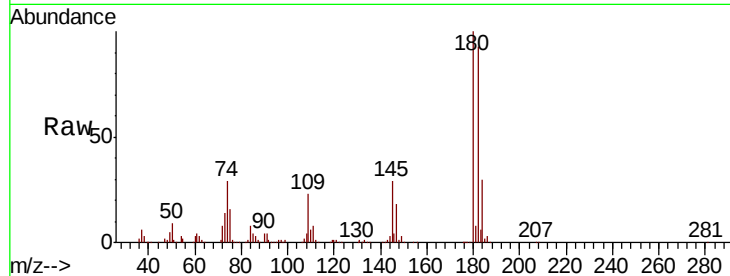




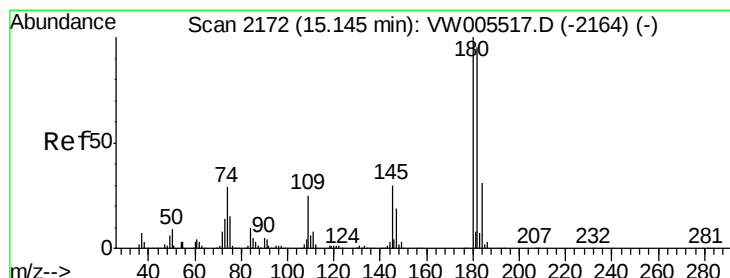
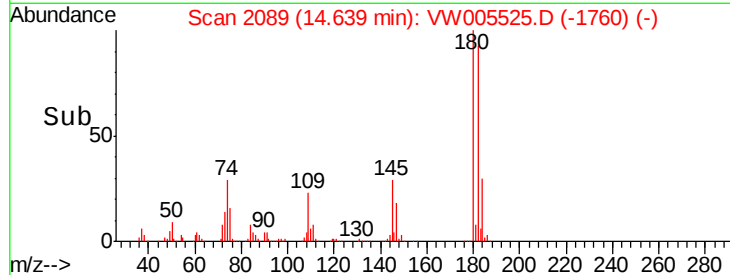
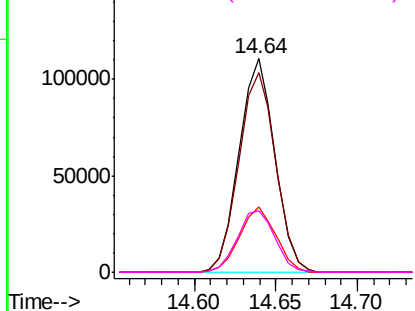
#67
 1,3,5-Trichlorobenzene
 Concen: 23.832 ug/L
 RT: 14.64 min Scan# 2089
 Delta R.T. 0.01 min
 Lab File: VW005525.D
 Acq: 20 Sep 2018 09:53

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB84

Tgt Ion:	180	Resp:	169451
Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.2	114.4
184	30.7	24.1	36.1
145	30.2	23.5	35.3

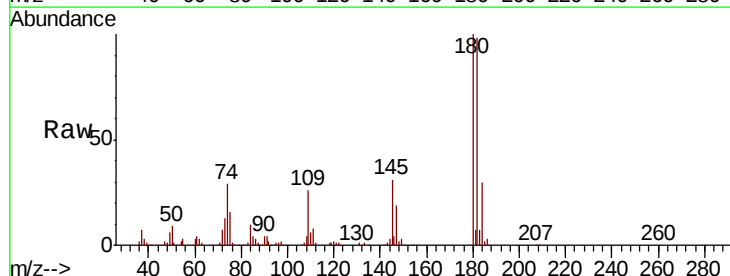


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

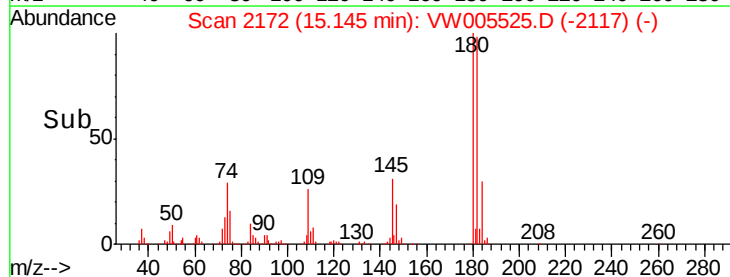
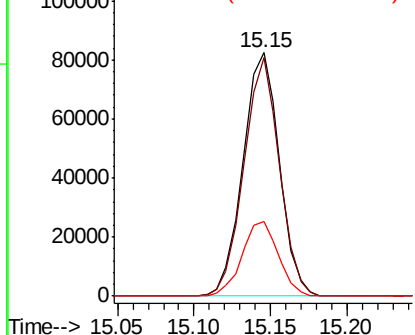


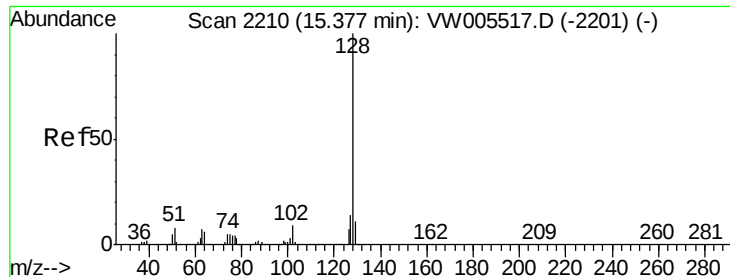
#68
 1,2,4-trichlorobenzene
 Concen: 23.366 ug/L
 RT: 15.15 min Scan# 2172
 Delta R.T. 0.01 min
 Lab File: VW005525.D
 Acq: 20 Sep 2018 09:53

Tgt Ion:	180	Resp:	136270
Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.7	115.1
145	30.7	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





#69

Naphthalene

Concen: 24.118 ug/L

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW005525.D

Acq: 20 Sep 2018 09:53

Instrument :

MSVOA_W

ClientSampleId :

BFB84

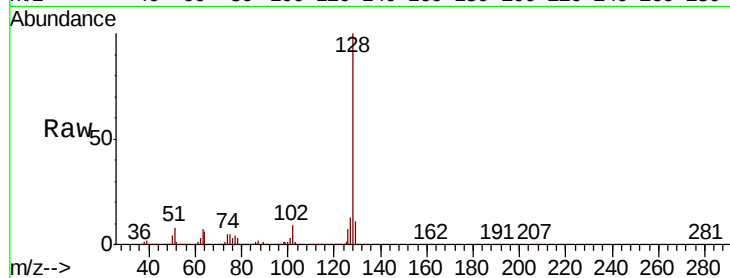
Tgt Ion:128 Resp: 298554

Ion Ratio Lower Upper

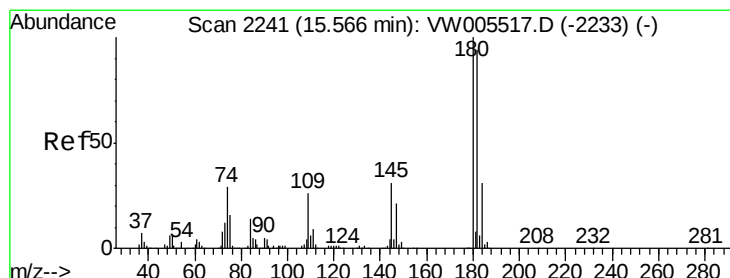
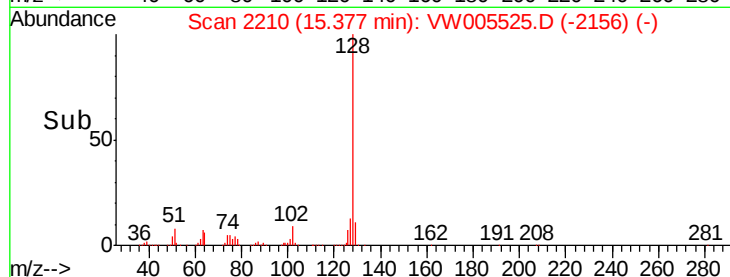
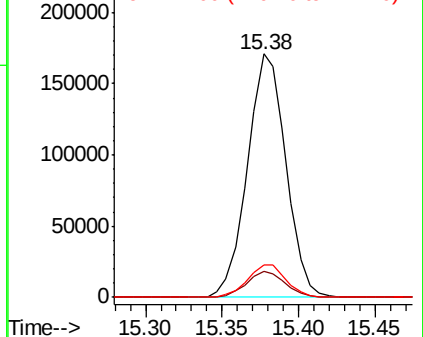
128 100

129 10.7 8.9 13.3

127 13.4 11.0 16.4



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: 23.349 ug/L

RT: 15.57 min Scan# 2241

Delta R.T. 0.00 min

Lab File: VW005525.D

Acq: 20 Sep 2018 09:53

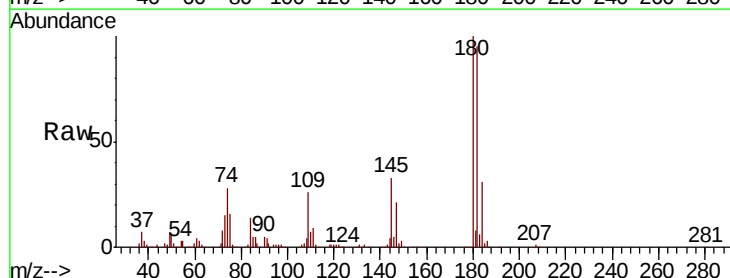
Tgt Ion:180 Resp: 128586

Ion Ratio Lower Upper

180 100

182 94.1 76.6 114.8

145 32.4 25.9 38.9



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

