

Data File : VW007156.D
Acq On : 03 Dec 2018 09:51
Operator : SY/AP
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BFB82

Quant Time: Dec 04 03:13:05 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 30 15:51:51 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	168516	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	164755	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	82523	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	30285	21.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.48%
7) Chloroethane-d5	2.89	69	22540	21.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.68%
10) 1,1-Dichloroethene-d2	4.03	63	82920	22.20	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.80%
20) 2-Butanone-d5	7.08	46	26071	44.91	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.82%
24) Chloroform-d	7.65	84	80294	22.75	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.00%
26) 1,2-Dichloroethane-d4	8.31	65	45533	22.28	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.12%
29) Benzene-d6	8.28	84	164384	21.00	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	84.00%
33) 1,2-Dichloropropane-d6	9.27	67	49140	21.91	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	87.64%
37) Toluene-d8	10.32	98	174348	21.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	84.24%
38) trans-1,3-Dichloropropene-	10.58	79	23922	21.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	87.28%
39) 2-Hexanone-d5	10.93	63	22867	43.50	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.00%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	44538	21.80	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	87.20%
61) 1,2-Dichlorobenzene-d4	13.86	152	66881	21.60	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	86.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.00	85	73637	23.909	ug/L 99
3) Chloromethane	2.22	50	52530	24.420	ug/L 97
5) Vinyl chloride	2.36	62	47274	24.550	ug/L 97
6) Bromomethane	2.78	94	28113	25.449	ug/L 99
8) Chloroethane	2.93	64	24237	23.357	ug/L 97
9) Trichlorofluoromethane	3.27	101	88723	24.592	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	51302	24.096	ug/L 99
12) 1,1-Dichloroethene	4.04	96	46459	24.766	ug/L 96
13) Acetone	4.12	43	18105	44.513	ug/L 99
14) Carbon disulfide	4.39	76	153357	23.100	ug/L 98
15) Methyl Acetate	4.68	43	24111	23.906	ug/L 99
16) Methylene chloride	4.92	84	58011	21.533	ug/L 96
17) Methyl tert-butyl Ether	5.43	73	121001	25.096	ug/L 99
18) trans-1,2-Dichloroethene	5.43	96	50376	24.287	ug/L 98
19) 1,1-Dichloroethane	6.22	63	85832	25.017	ug/L 99
21) 2-Butanone	7.18	43	27537	44.102	ug/L 94
22) cis-1,2-Dichloroethene	7.17	96	54121	24.402	ug/L 98

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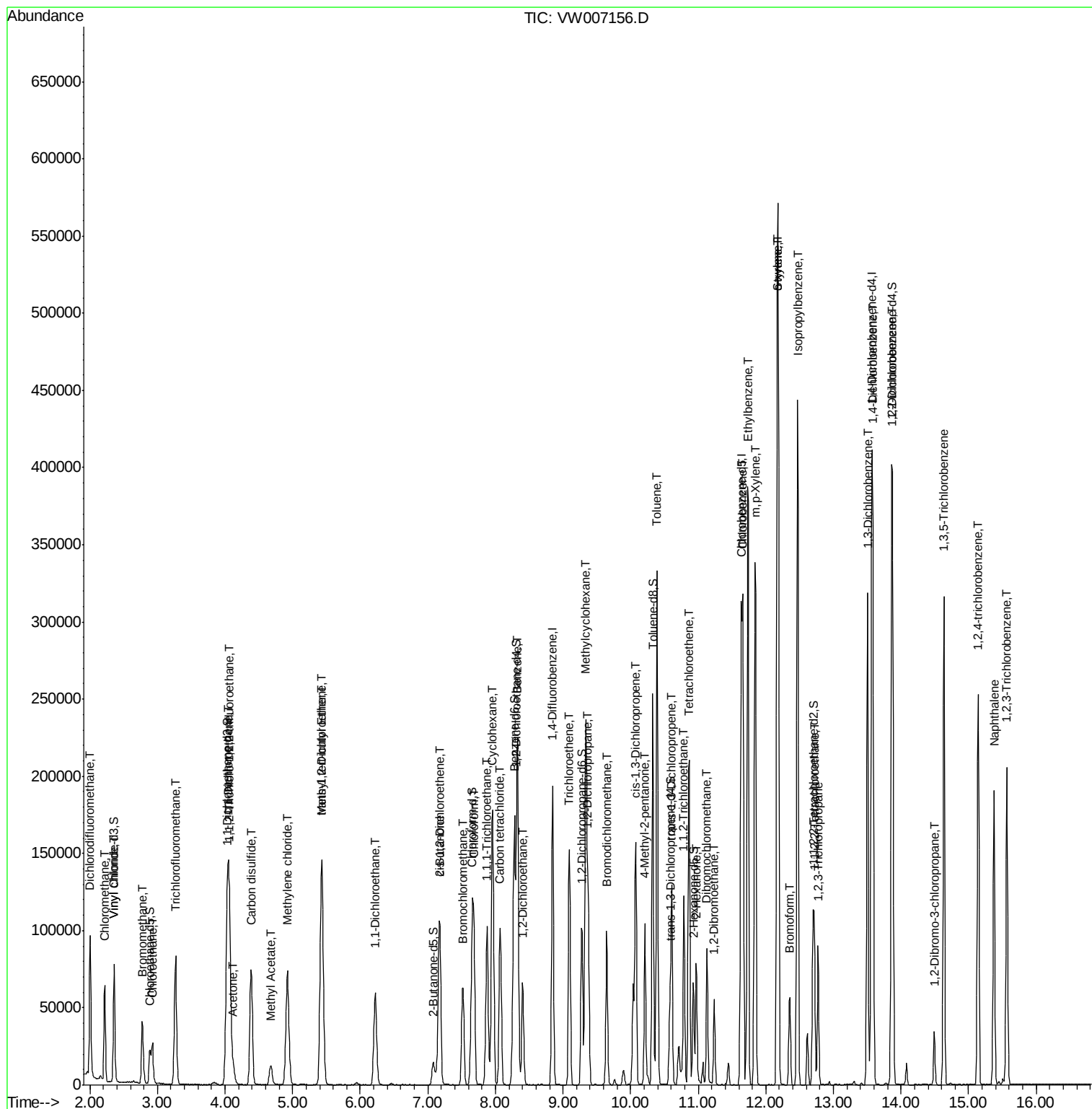
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	23496	24.347	ug/L	92
25) Chloroform	7.68	83	93216	25.042	ug/L	100
27) 1,2-Dichloroethane	8.40	62	60567	24.527	ug/L	99
30) Cyclohexane	7.96	56	85347	23.766	ug/L	97
31) 1,1,1-Trichloroethane	7.87	97	85665	25.110	ug/L	99
32) Carbon tetrachloride	8.07	117	76704	24.773	ug/L	100
34) Benzene	8.33	78	201007	23.544	ug/L	100
35) Trichloroethene	9.09	95	54285	23.452	ug/L	99
36) Methylcyclohexane	9.34	83	99006	23.035	ug/L	99
40) 1,2-Dichloropropane	9.37	63	49494	24.169	ug/L #	94
41) Bromodichloromethane	9.65	83	65975	24.608	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	79792	24.532	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	67539	44.570	ug/L	99
44) Toluene	10.39	91	244966	23.946	ug/L	97
45) trans-1,3-Dichloropropene	10.61	75	69006	24.148	ug/L	96
46) 1,1,2-Trichloroethane	10.79	97	38009	23.569	ug/L	98
47) Tetrachloroethene	10.87	164	47763	23.621	ug/L	97
49) 2-Hexanone	10.97	43	46303	45.140	ug/L	98
50) Dibromochloromethane	11.13	129	47274	24.067	ug/L	98
51) 1,2-Dibromoethane	11.24	107	38346	23.465	ug/L #	97
52) Chlorobenzene	11.66	112	158882	23.558	ug/L	97
53) Ethylbenzene	11.73	91	283284	23.886	ug/L	99
54) m,p-Xylene	11.84	106	111276	24.046	ug/L	94
55) o-xylene	12.17	106	104316	24.308	ug/L	95
56) Styrene	12.18	104	178689	24.622	ug/L	98
57) Isopropylbenzene	12.47	105	286879	24.040	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	47359	23.110	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	36943	23.067	ug/L	98
62) Bromoform	12.35	173	27426	24.272	ug/L	96
63) 1,3-Dichlorobenzene	13.51	146	131678	24.248	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	131639	24.100	ug/L	97
65) 1,2-Dichlorobenzene	13.88	146	119851	24.119	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	9405	23.339	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	94719	23.225	ug/L	100
68) 1,2,4-trichlorobenzene	15.14	180	79764	23.006	ug/L	100
69) Naphthalene	15.38	128	169035	22.898	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	69661	23.026	ug/L	99

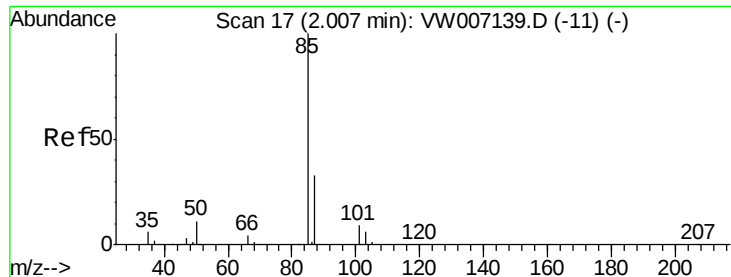
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 23.909 ug/L

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW007156.D

Acq: 03 Dec 2018 09:51

Instrument :

MSVOA_W

ClientSampleId :

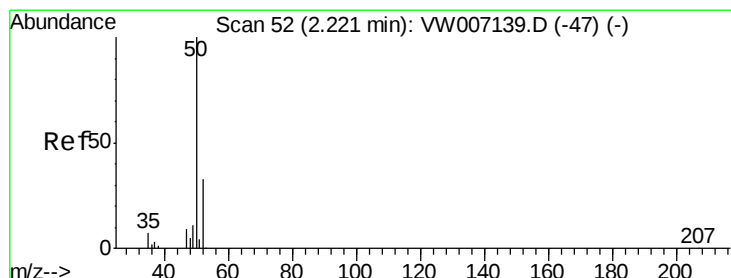
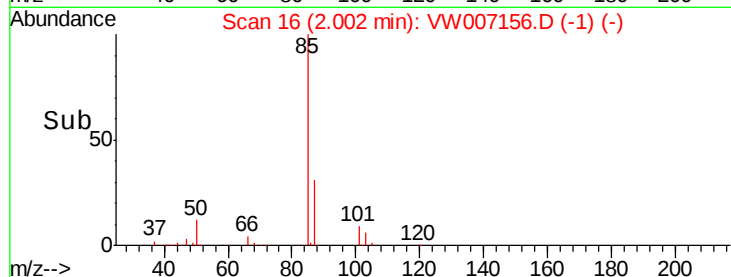
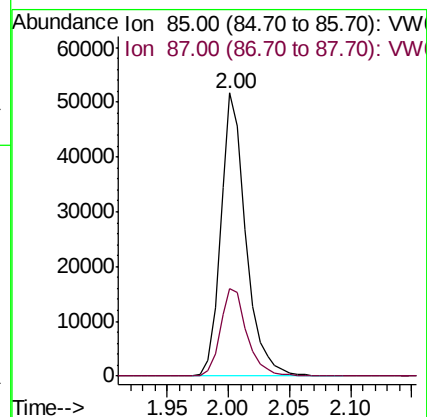
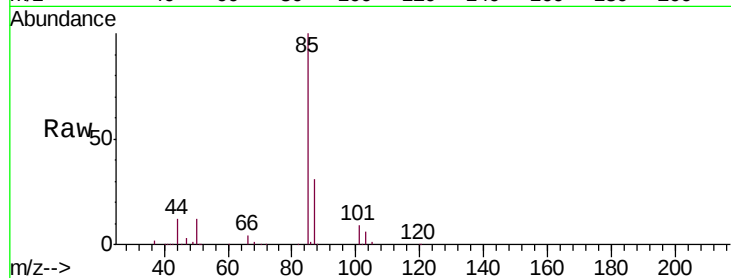
BFB82

Tgt Ion: 85 Resp: 73637

Ion Ratio Lower Upper

85 100

87 32.6 22.5 41.9



#3

Chloromethane

Concen: 24.420 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.00 min

Lab File: VW007156.D

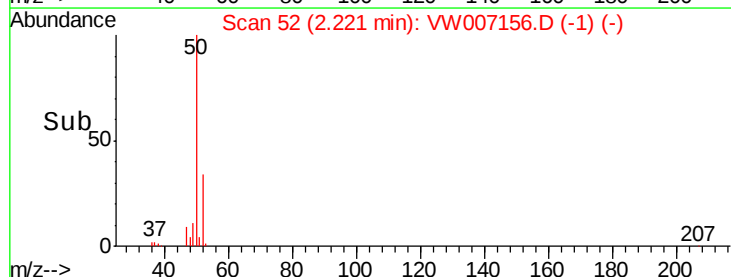
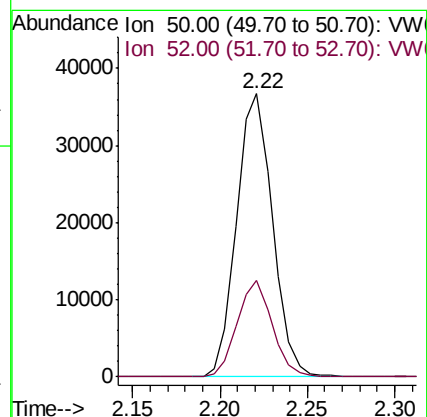
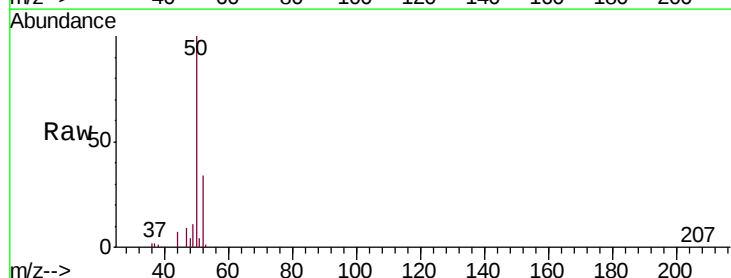
Acq: 03 Dec 2018 09:51

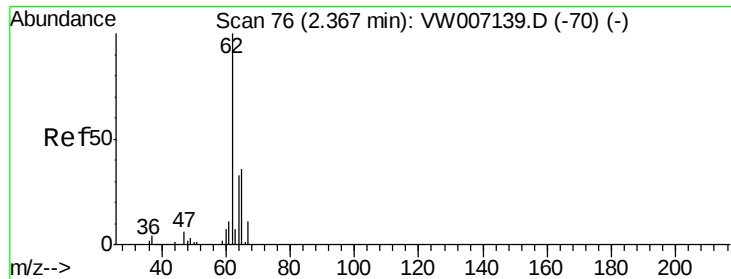
Tgt Ion: 50 Resp: 52530

Ion Ratio Lower Upper

50 100

52 34.2 23.0 42.6





#5

Vinyl chloride

Concen: 24.550 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW007156.D

Acq: 03 Dec 2018 09:51

Instrument :

MSVOA_W

ClientSampleId :

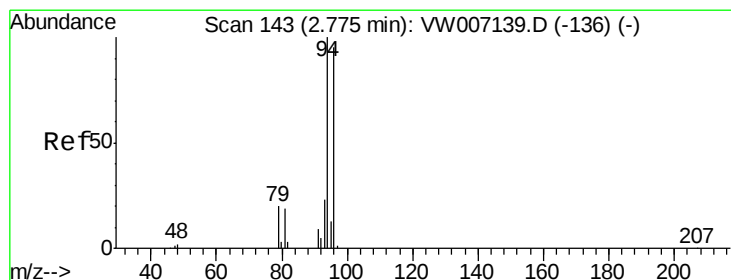
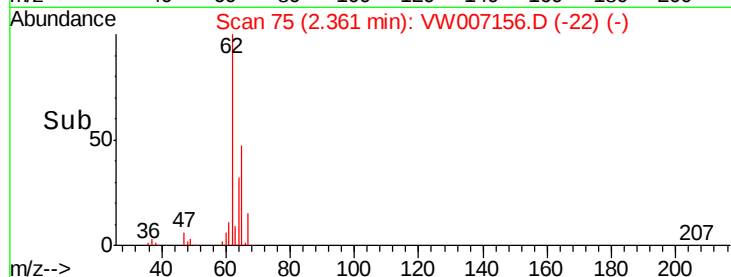
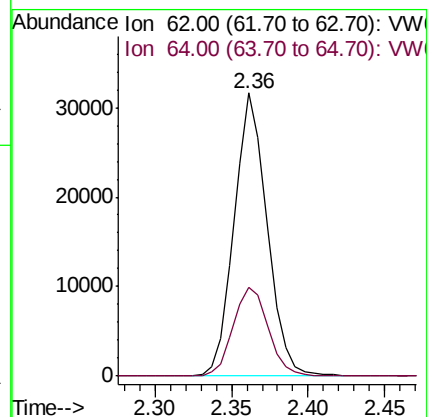
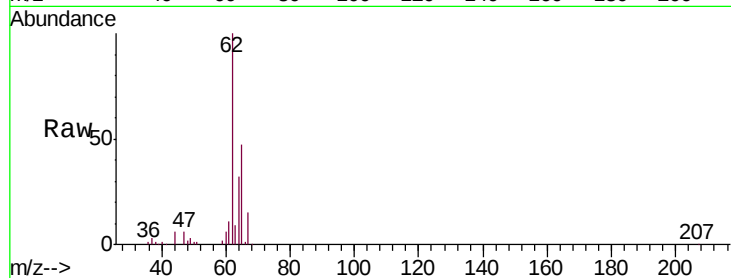
BFB82

Tgt Ion: 62 Resp: 47274

Ion Ratio Lower Upper

62 100

64 31.6 23.5 43.7



#6

Bromomethane

Concen: 25.449 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW007156.D

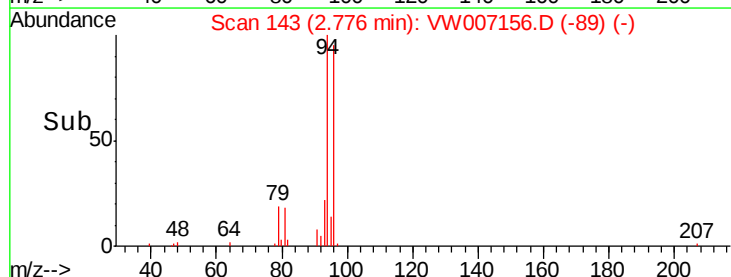
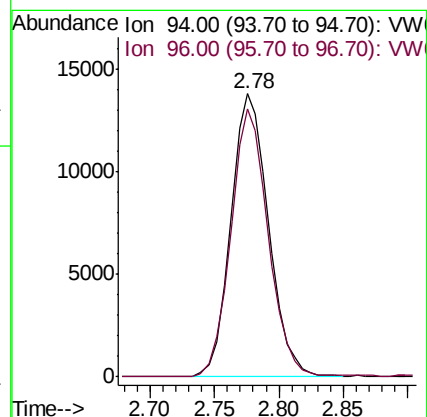
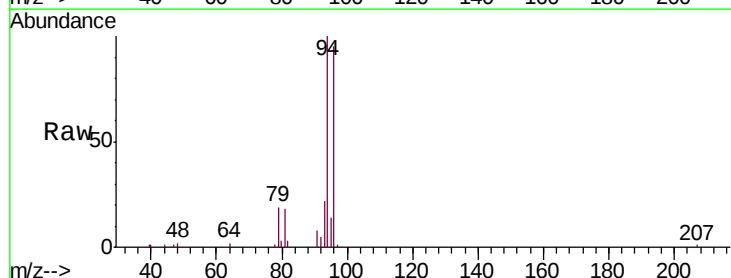
Acq: 03 Dec 2018 09:51

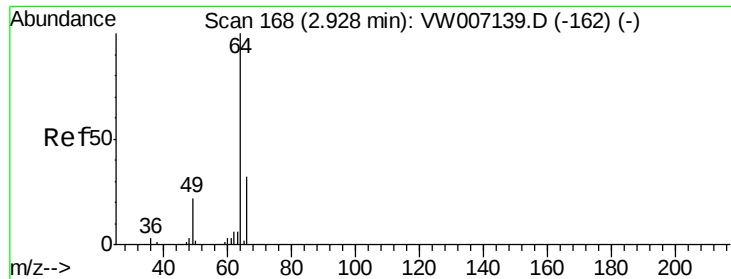
Tgt Ion: 94 Resp: 28113

Ion Ratio Lower Upper

94 100

96 93.6 9.3 176.7





#8

Chloroethane

Concen: 23.357 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW007156.D

Acq: 03 Dec 2018 09:51

Instrument :

MSVOA_W

ClientSampleId :

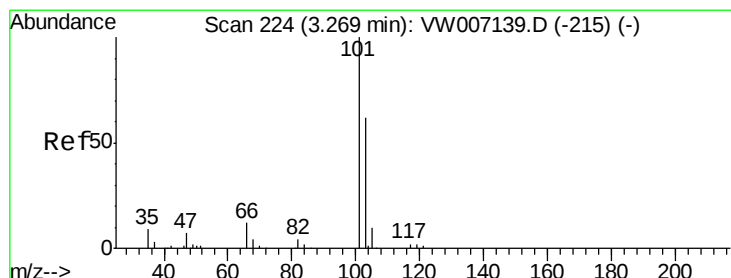
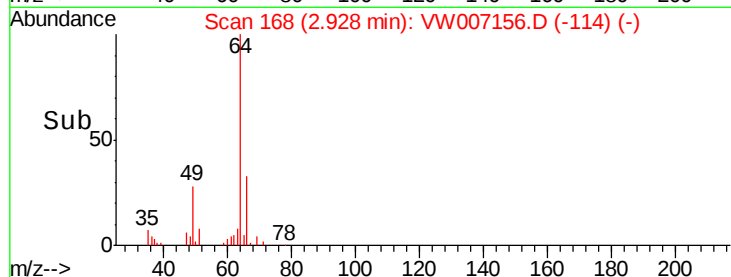
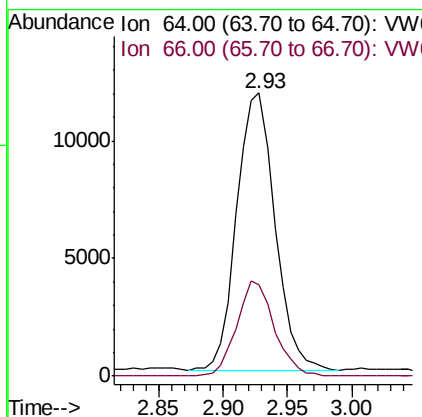
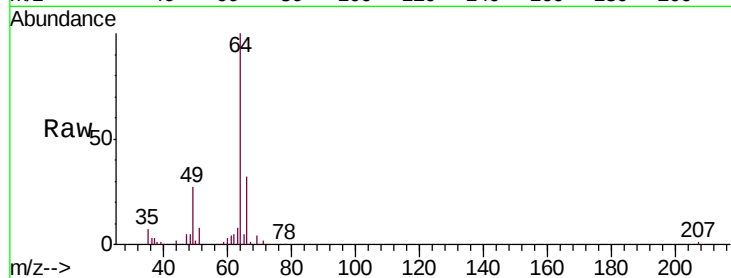
BFB82

Tgt Ion: 64 Resp: 24237

Ion Ratio Lower Upper

64 100

66 32.3 21.4 39.8



#9

Trichlorofluoromethane

Concen: 24.592 ug/L

RT: 3.27 min Scan# 224

Delta R.T. 0.00 min

Lab File: VW007156.D

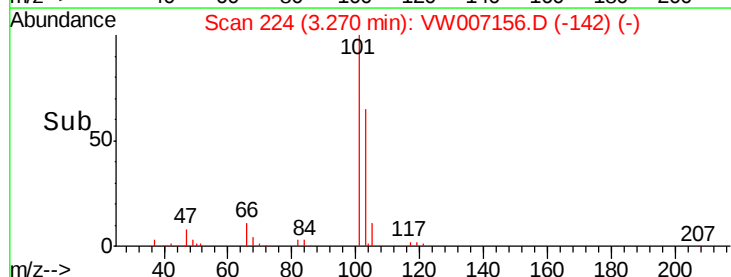
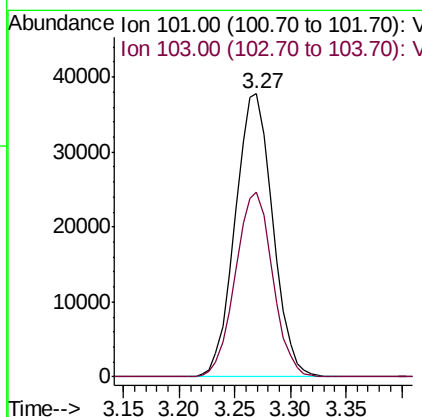
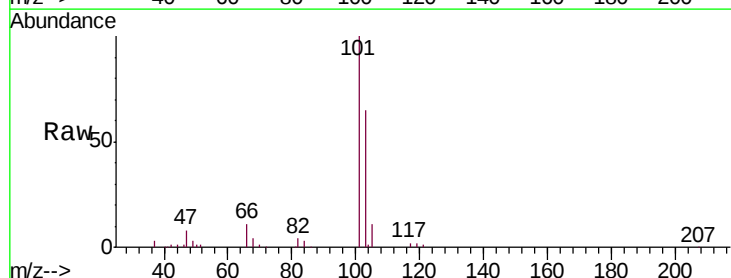
Acq: 03 Dec 2018 09:51

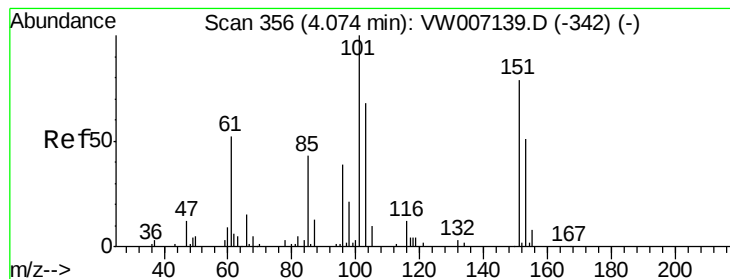
Tgt Ion: 101 Resp: 88723

Ion Ratio Lower Upper

101 100

103 64.6 44.4 82.4





#11

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

Concen: 24.096 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.01 min

Lab File: VW007156.D

Acq: 03 Dec 2018 09:51

Instrument :

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ClientSampleId :

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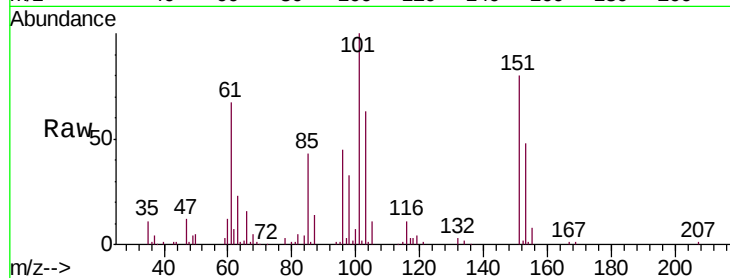
Tgt Ion: 101 Resp: 51302

Ion Ratio Lower Upper

101 100

85 42.2 34.8 52.2

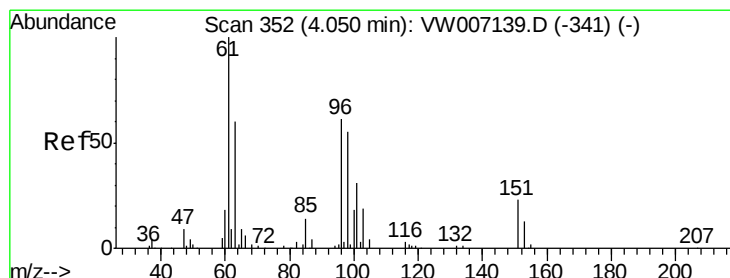
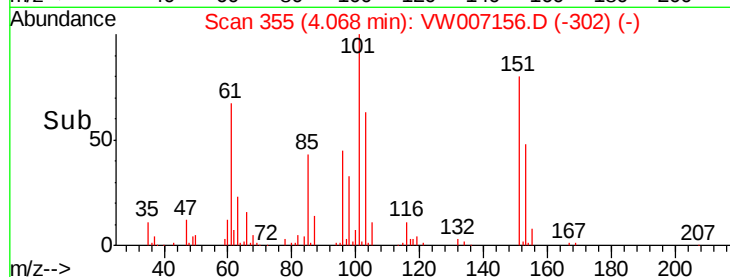
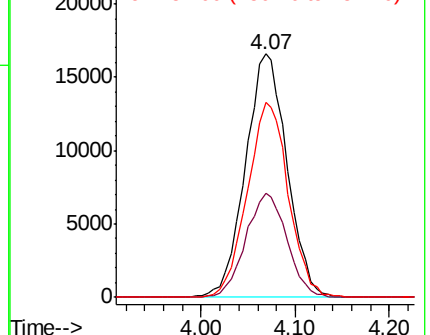
151 78.9 62.8 94.2



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: 24.766 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.01 min

Lab File: VW007156.D

Acq: 03 Dec 2018 09:51

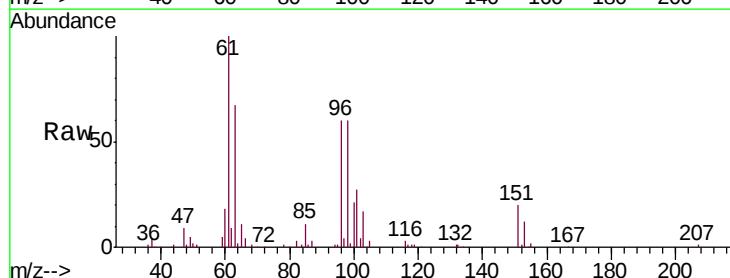
Tgt Ion: 96 Resp: 46459

Ion Ratio Lower Upper

96 100

61 165.9 114.9 213.5

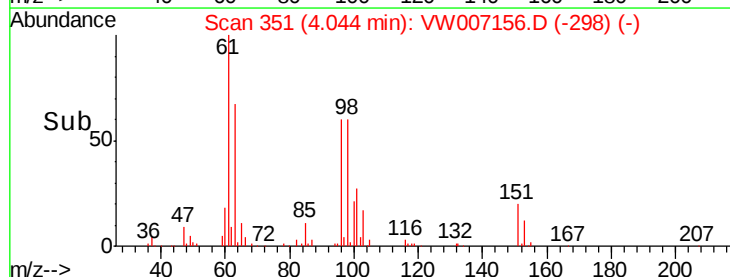
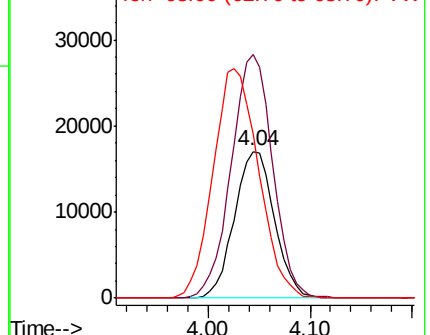
63 111.9 73.1 135.7

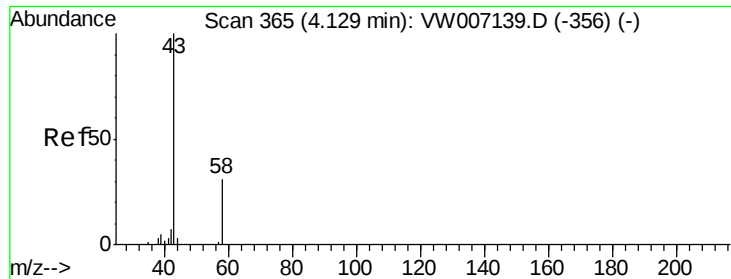


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 44.513 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

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ClientSampled :

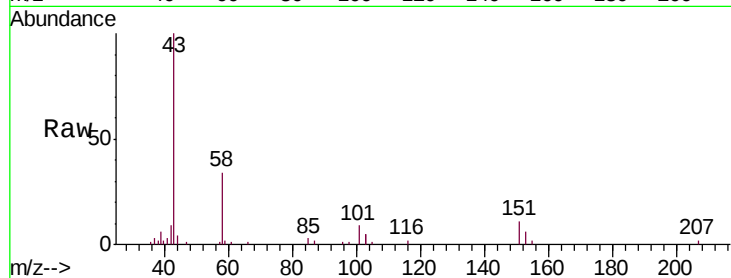
BFB82

Tgt Ion: 43 Resp: 18105

Ion Ratio Lower Upper

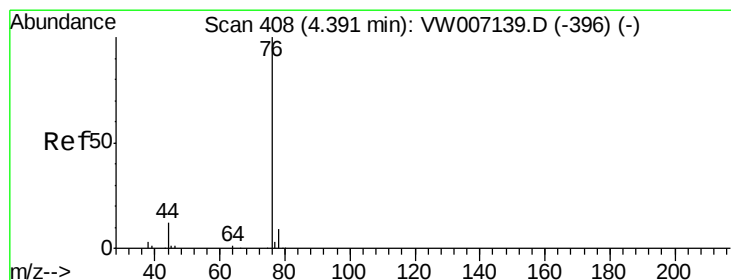
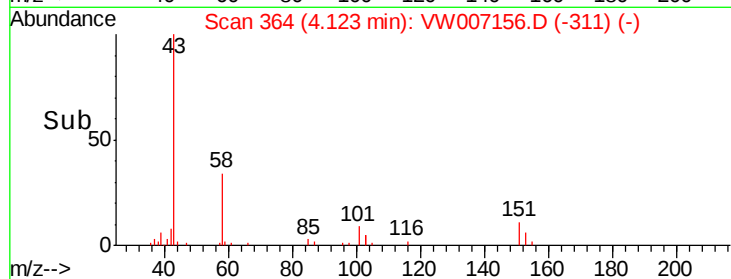
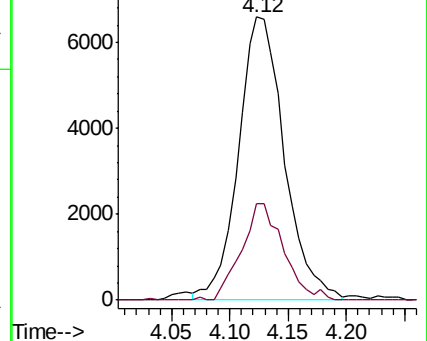
43 100

58 30.5 0.0 62.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 23.100 ug/L

RT: 4.39 min Scan# 407

Delta R.T. -0.01 min

Lab File: VW007156.D

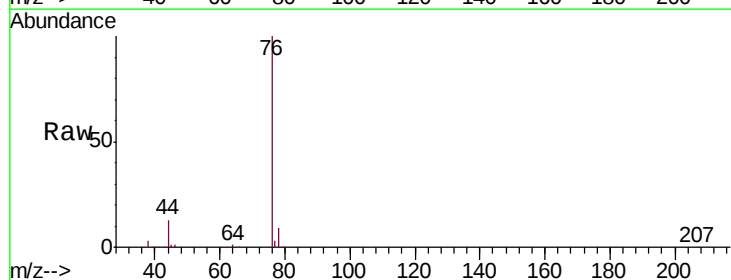
Acq: 03 Dec 2018 09:51

Tgt Ion: 76 Resp: 153357

Ion Ratio Lower Upper

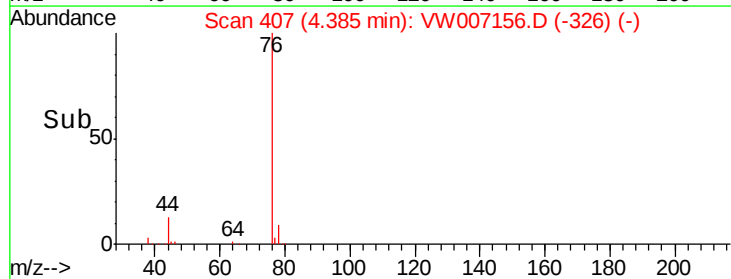
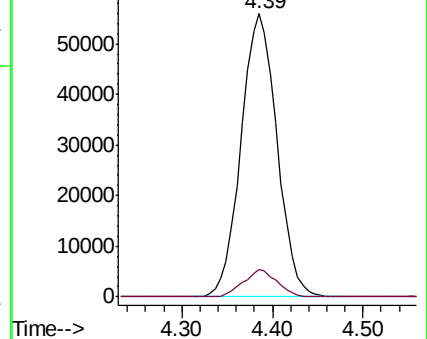
76 100

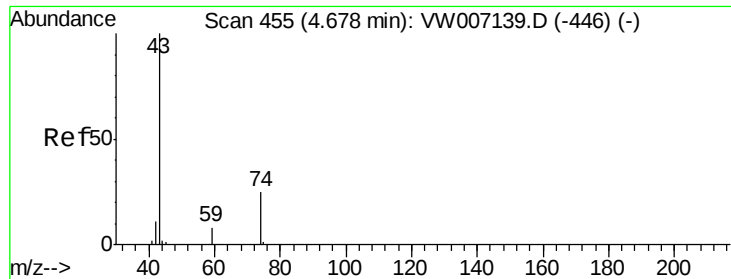
78 9.5 6.9 10.3



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

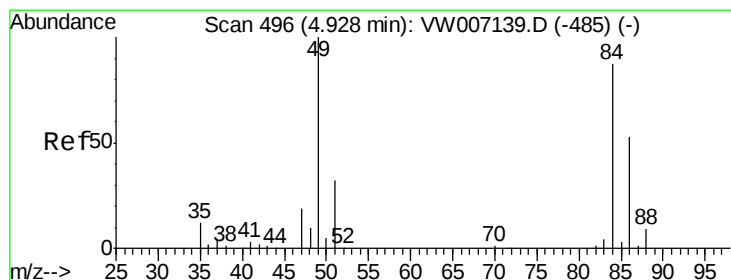
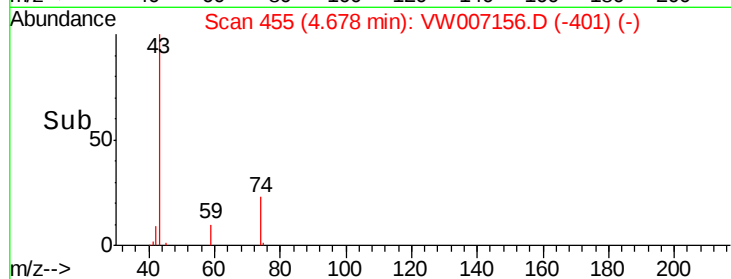
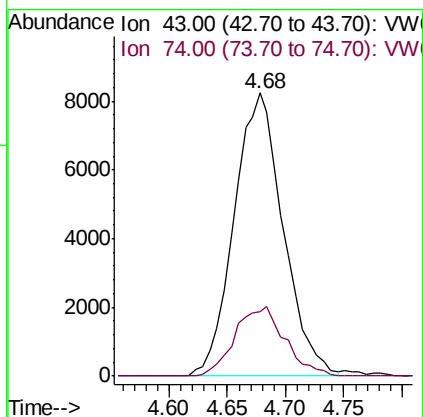
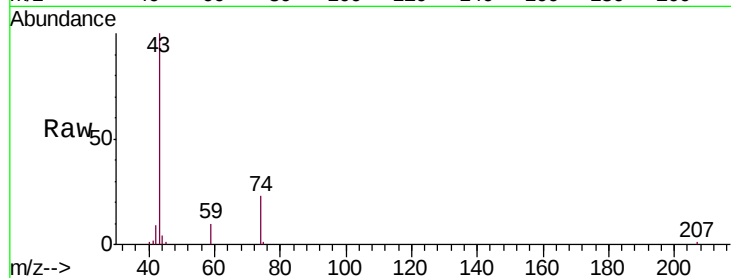




#15
Methyl Acetate
Concen: 23.906 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.00 min
Lab File: VW007156.D
Acq: 03 Dec 2018 09:51

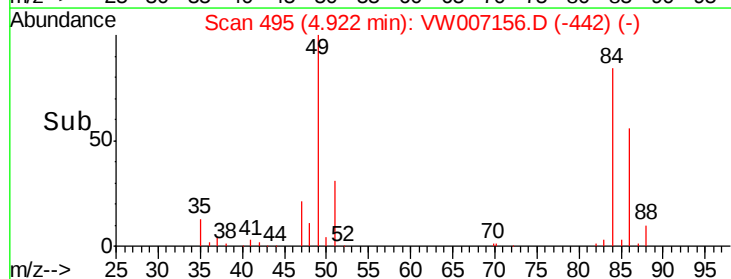
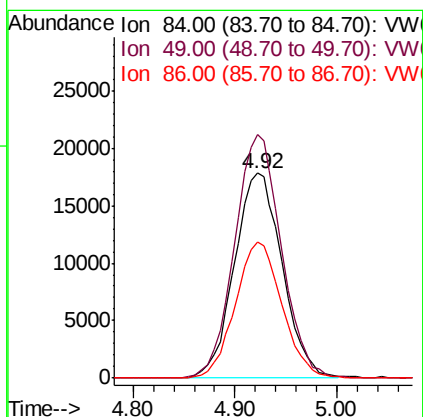
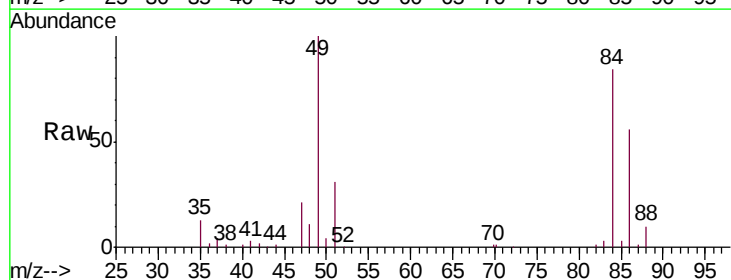
Instrument :
MSVOA_W
ClientSampleId :
BFB82

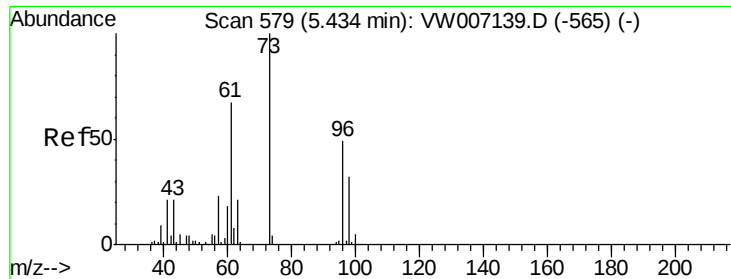
Tgt Ion: 43 Resp: 24111
Ion Ratio Lower Upper
43 100
74 24.8 19.3 28.9



#16
Methylene chloride
Concen: 21.533 ug/L
RT: 4.92 min Scan# 495
Delta R.T. -0.01 min
Lab File: VW007156.D
Acq: 03 Dec 2018 09:51

Tgt Ion: 84 Resp: 58011
Ion Ratio Lower Upper
84 100
49 118.7 80.9 150.3
86 66.1 42.8 79.6

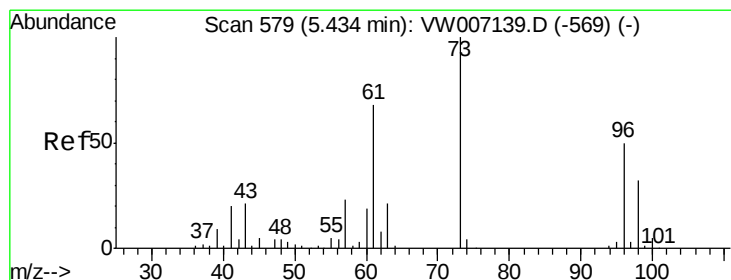
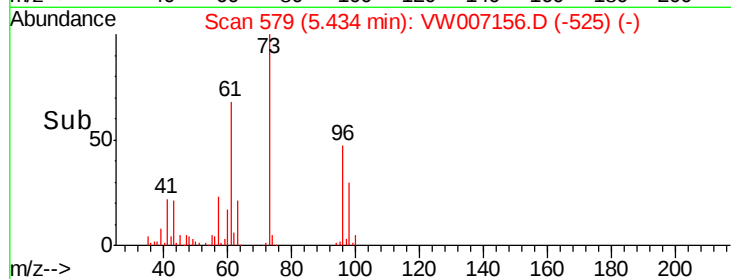
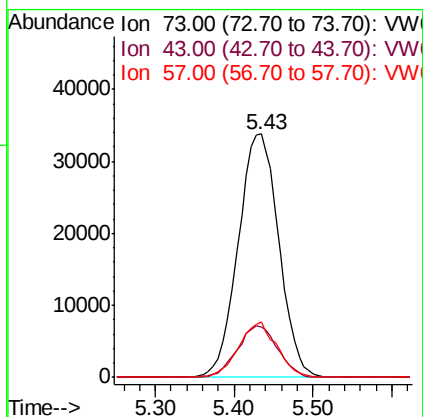
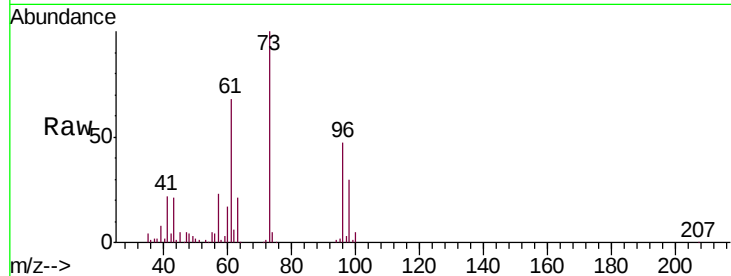




#17
Methyl tert-butyl Ether
Concen: 25.096 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.00 min
Lab File: VW007156.D
Acq: 03 Dec 2018 09:51

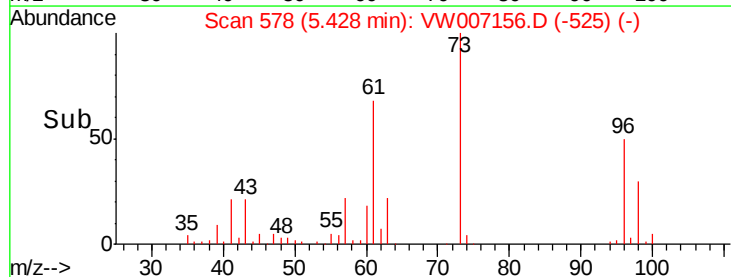
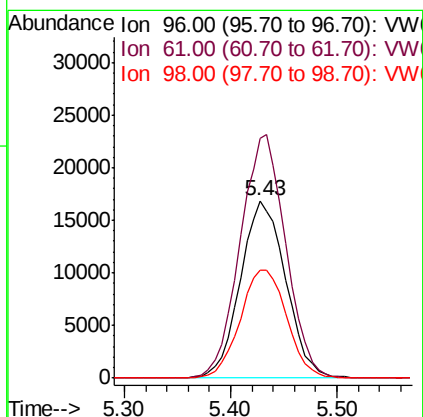
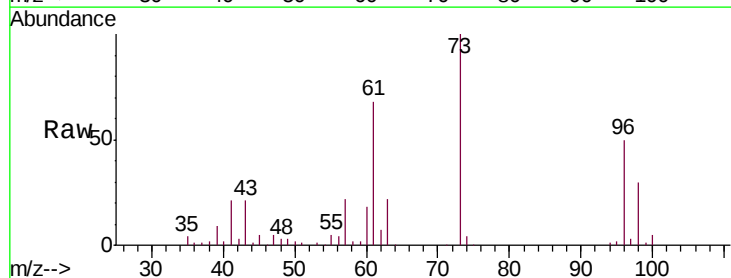
Instrument :
MSVOA_W
ClientSampled :
BFB82

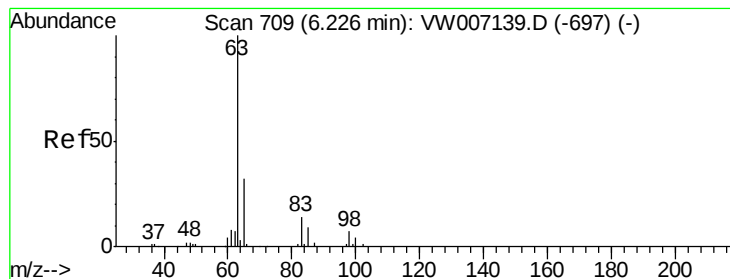
Tgt Ion: 73 Resp: 121001
Ion Ratio Lower Upper
73 100
43 21.0 16.3 24.5
57 21.2 17.4 26.0



#18
trans-1,2-Dichloroethene
Concen: 24.287 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW007156.D
Acq: 03 Dec 2018 09:51

Tgt Ion: 96 Resp: 50376
Ion Ratio Lower Upper
96 100
61 135.1 94.8 176.2
98 60.7 44.9 83.5





#19

1,1-Dichloroethane

Concen: 25.017 ug/L

RT: 6.22 min Scan# 708

Delta R.T. -0.01 min

Lab File: VW007156.D

Acq: 03 Dec 2018 09:51

Instrument :

MSVOA_W

ClientSampleId :

BFB82

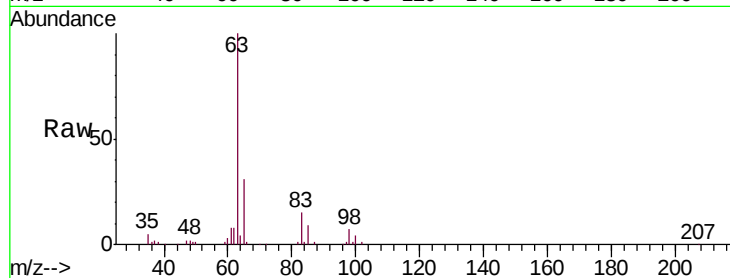
Tgt Ion: 63 Resp: 85832

Ion Ratio Lower Upper

63 100

65 31.4 22.4 41.6

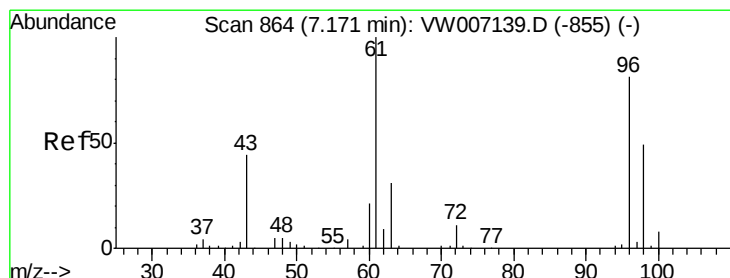
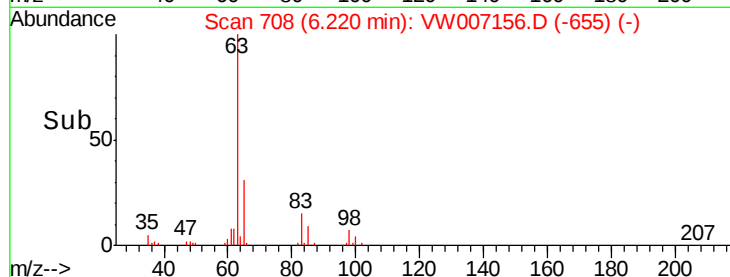
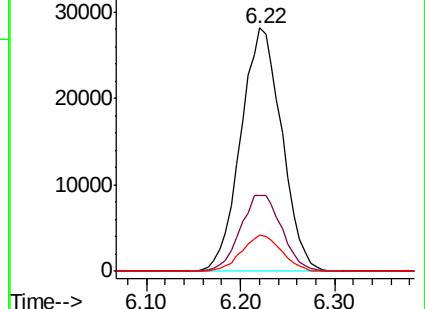
83 14.6 9.7 17.9



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 65.00 (64.70 to 65.70): VW

Ion 83.00 (82.70 to 83.70): VW



#21

2-Butanone

Concen: 44.102 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW007156.D

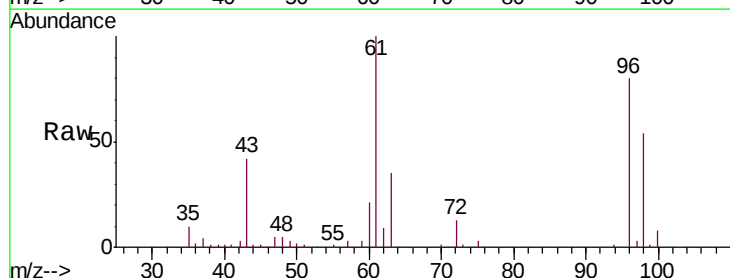
Acq: 03 Dec 2018 09:51

Tgt Ion: 43 Resp: 27537

Ion Ratio Lower Upper

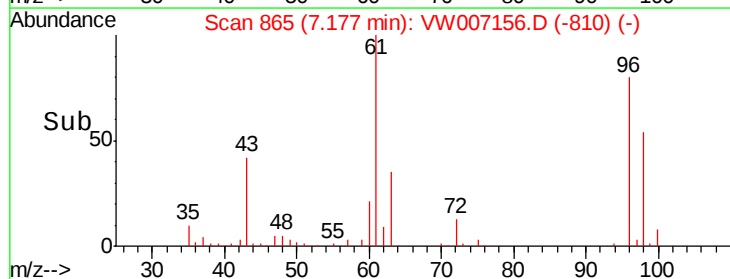
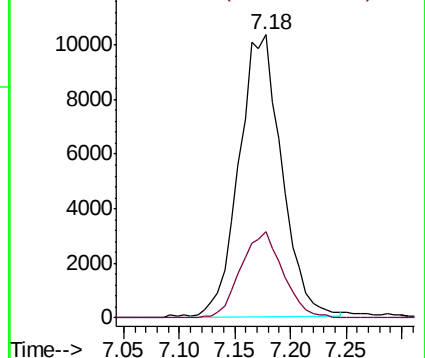
43 100

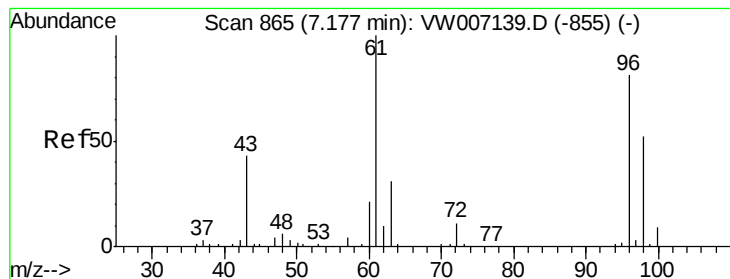
72 30.2 13.5 40.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



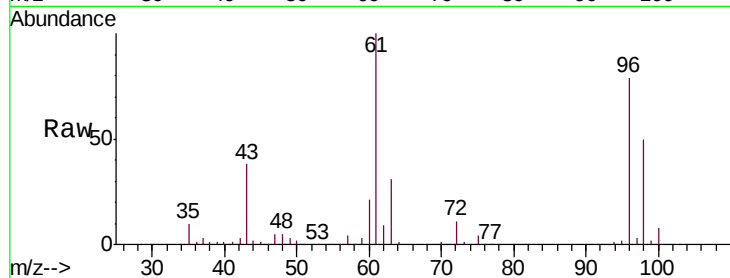


#22

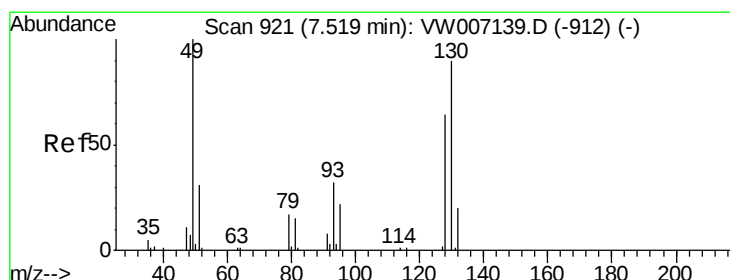
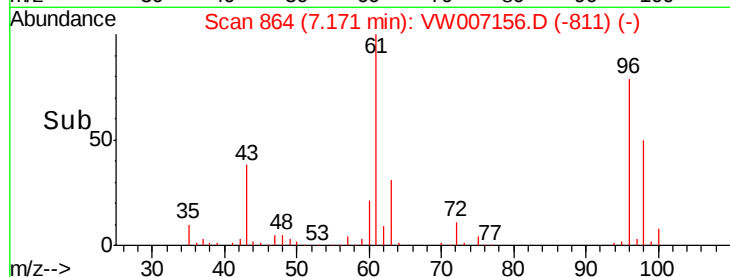
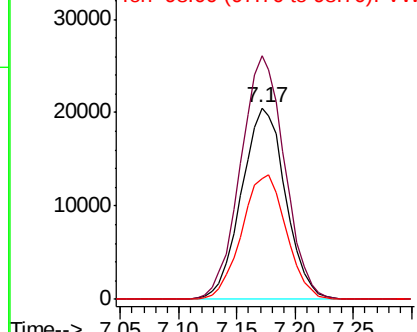
cis-1,2-Dichloroethene
Concen: 24.402 ug/L
RT: 7.17 min Scan# 864
Delta R.T. -0.01 min
Lab File: VW007156.D
Acq: 03 Dec 2018 09:51

Instrument :
MSVOA_W
ClientSampleId :
BFB82

Tgt Ion: 96 Resp: 54121
Ion Ratio Lower Upper
96 100
61 127.1 87.3 162.1
98 63.2 45.2 84.0



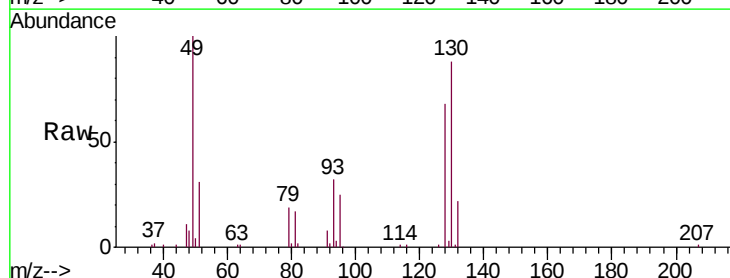
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



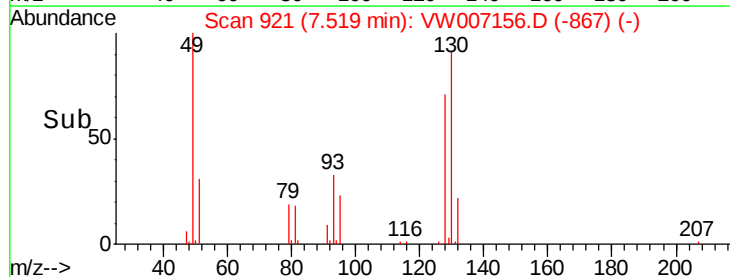
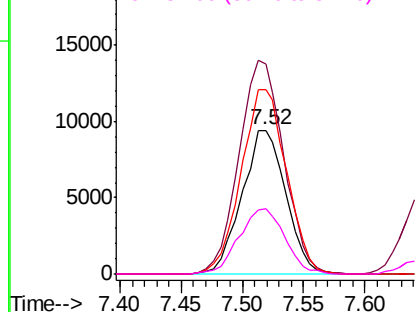
#23

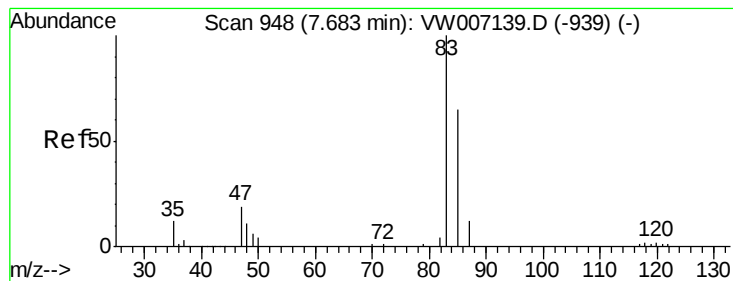
Bromochloromethane
Concen: 24.347 ug/L
RT: 7.52 min Scan# 921
Delta R.T. 0.00 min
Lab File: VW007156.D
Acq: 03 Dec 2018 09:51

Tgt Ion: 128 Resp: 23496
Ion Ratio Lower Upper
128 100
49 146.2 109.9 204.1
130 128.7 98.2 182.4
51 45.0 39.0 58.4



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





#25

Chloroform

Concen: 25.042 ug/L

RT: 7.68 min Scan# 947

Delta R.T. -0.01 min

Lab File: VW007156.D

Acq: 03 Dec 2018 09:51

Instrument :

MSVOA_W

ClientSampled :

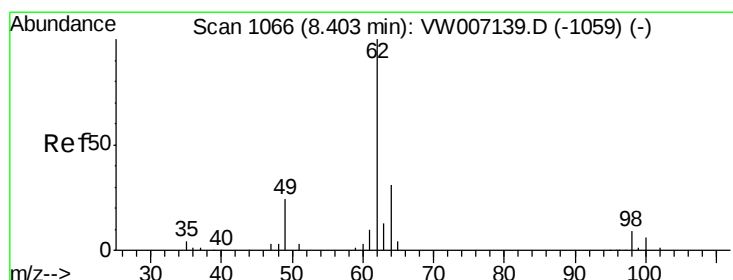
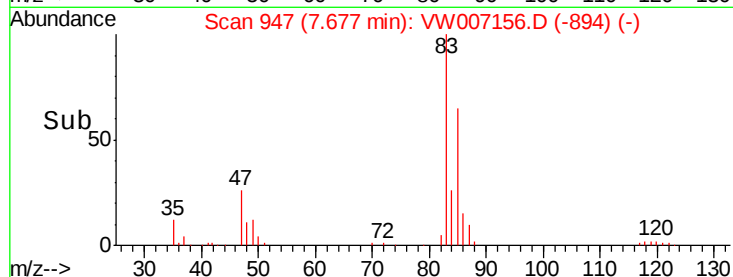
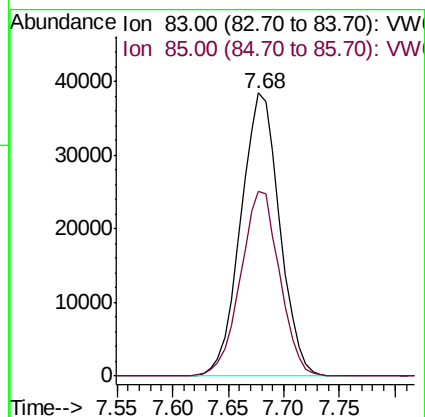
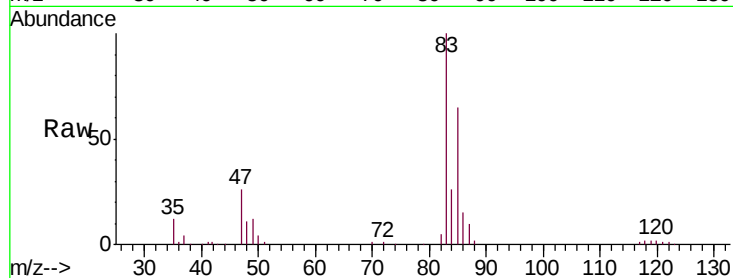
BFB82

Tgt Ion: 83 Resp: 93216

Ion Ratio Lower Upper

83 100

85 65.6 46.1 85.7



#27

1,2-Dichloroethane

Concen: 24.527 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW007156.D

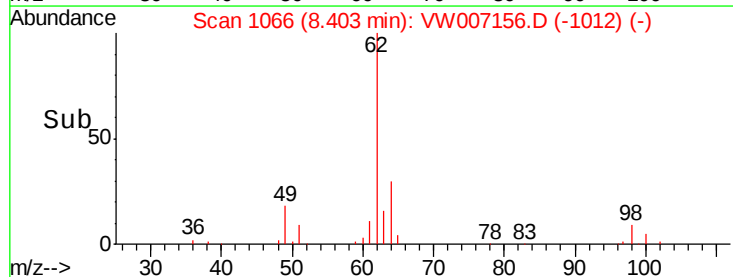
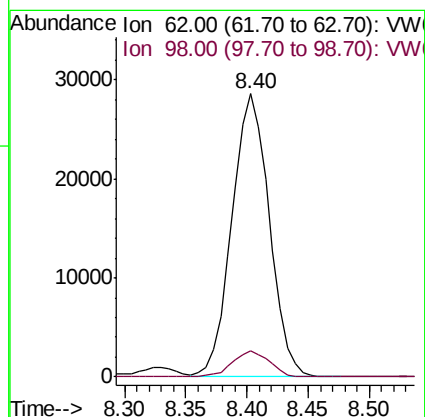
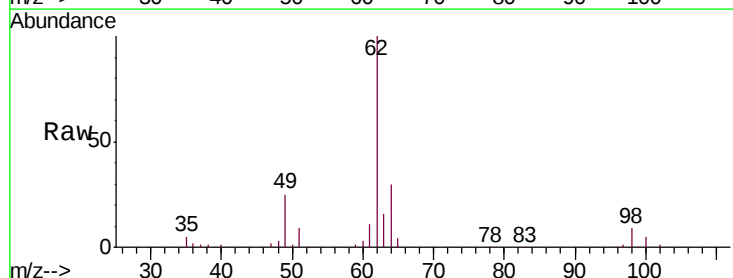
Acq: 03 Dec 2018 09:51

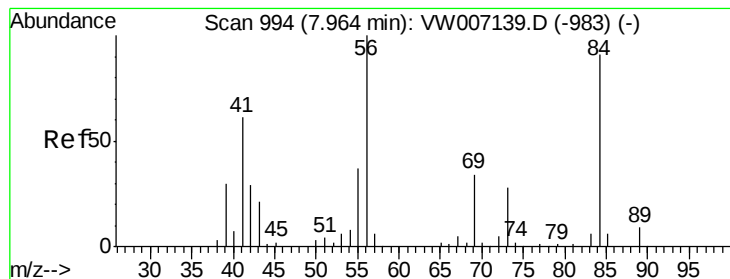
Tgt Ion: 62 Resp: 60567

Ion Ratio Lower Upper

62 100

98 9.1 7.4 11.2





#30

Cyclohexane

Concen: 23.766 ug/L

RT: 7.96 min Scan# 993

Delta R.T. -0.01 min

Lab File: VW007156.D

Acq: 03 Dec 2018 09:51

Instrument :

MSVOA_W

ClientSampleId :

BFB82

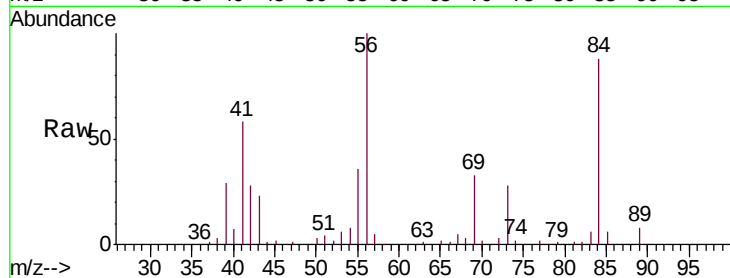
Tgt Ion: 56 Resp: 85347

Ion Ratio Lower Upper

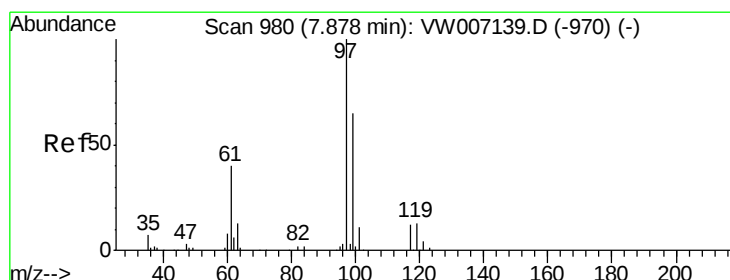
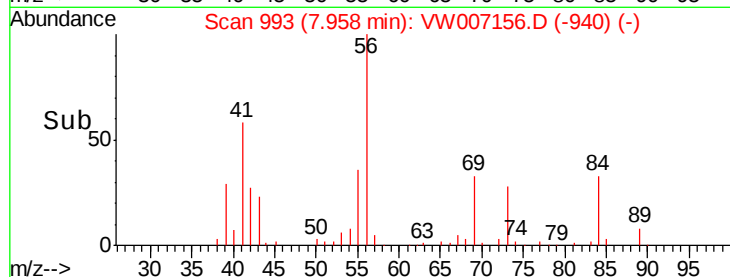
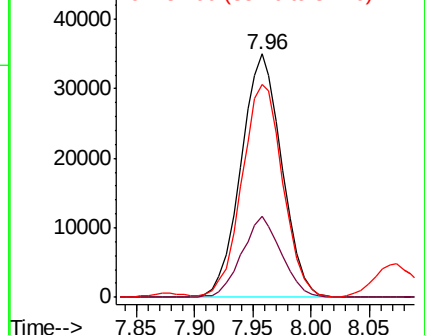
56 100

69 32.1 26.1 39.1

84 87.9 73.0 109.4



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



#31

1,1,1-Trichloroethane

Concen: 25.110 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.01 min

Lab File: VW007156.D

Acq: 03 Dec 2018 09:51

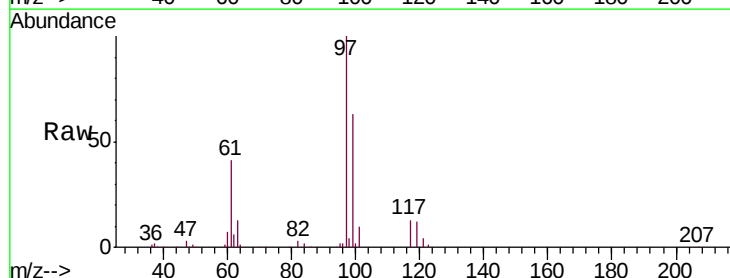
Tgt Ion: 97 Resp: 85665

Ion Ratio Lower Upper

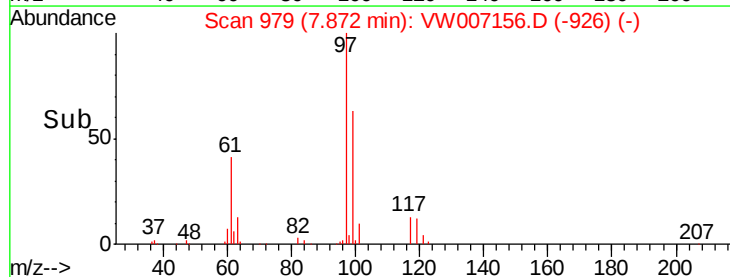
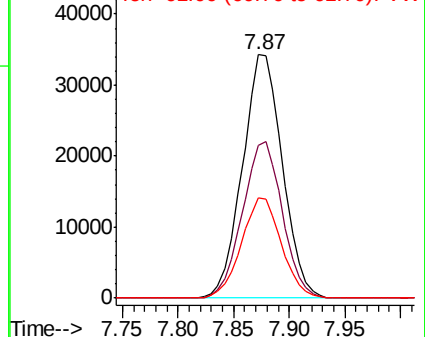
97 100

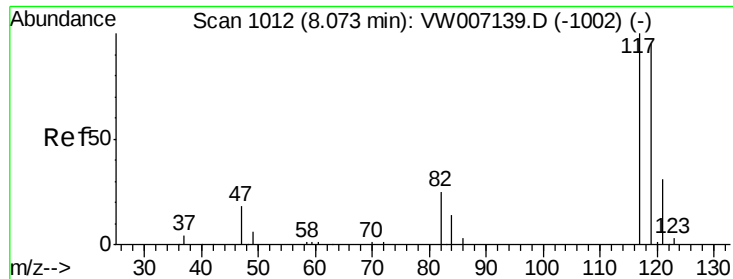
99 63.9 51.9 77.9

61 41.0 33.4 50.0



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





#32

Carbon tetrachloride

Concen: 24.773 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VW007156.D

Acq: 03 Dec 2018 09:51

Instrument :

MSVOA_W

ClientSampleId :

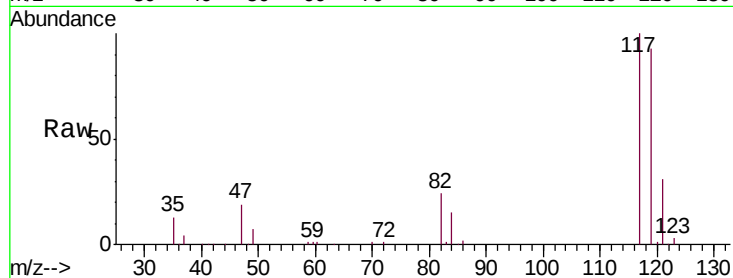
BFB82

Tgt Ion:117 Resp: 76704

Ion Ratio Lower Upper

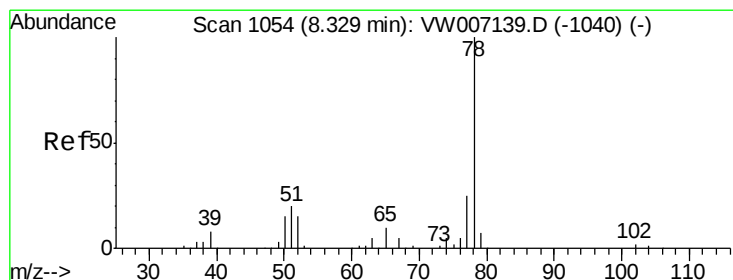
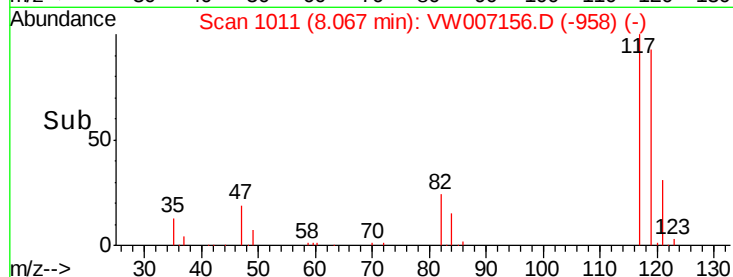
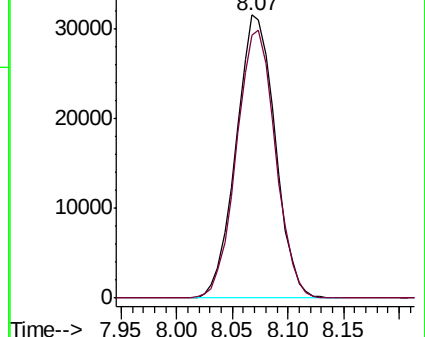
117 100

119 94.6 75.5 113.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 23.544 ug/L

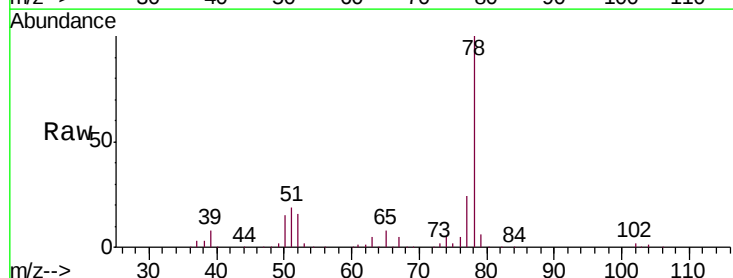
RT: 8.33 min Scan# 1054

Delta R.T. 0.00 min

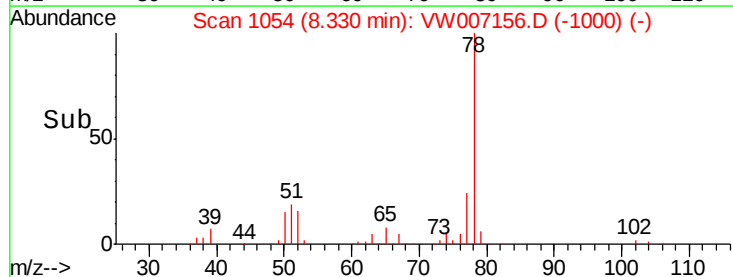
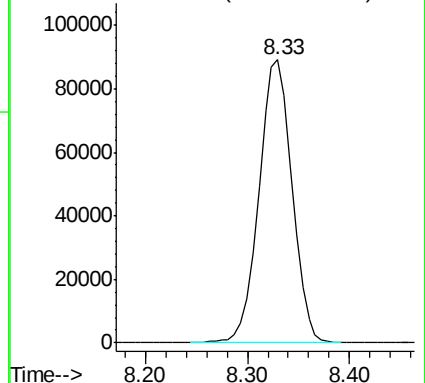
Lab File: VW007156.D

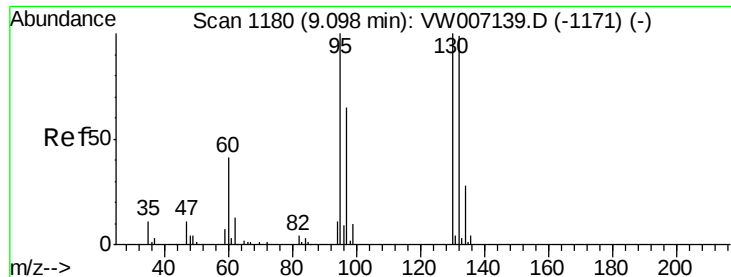
Acq: 03 Dec 2018 09:51

Tgt Ion: 78 Resp: 201007



Abundance Ion 78.00 (77.70 to 78.70): VW

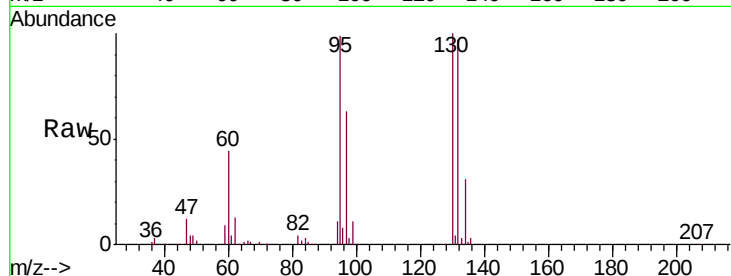




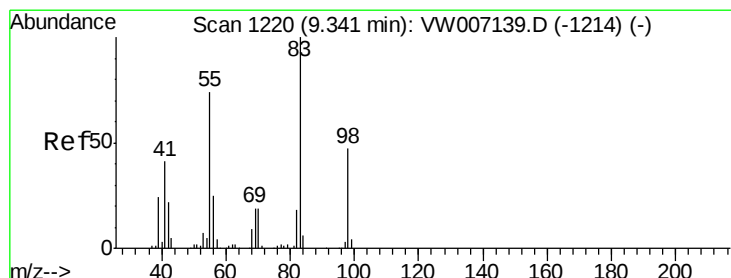
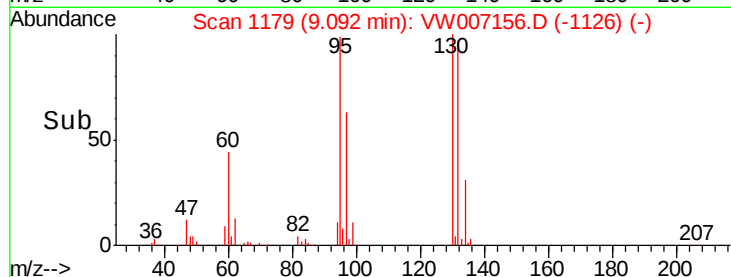
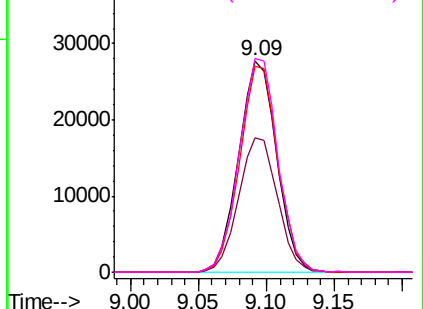
#35
 Trichloroethene
 Concen: 23.452 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: VW007156.D
 Acq: 03 Dec 2018 09:51

Instrument :
 MSVOA_W
 ClientSampled :
 BFB82

Tgt Ion: 95 Resp: 54285
 Ion Ratio Lower Upper
 95 100
 97 65.3 44.7 83.1
 132 97.9 68.2 126.6
 130 102.4 70.9 131.7

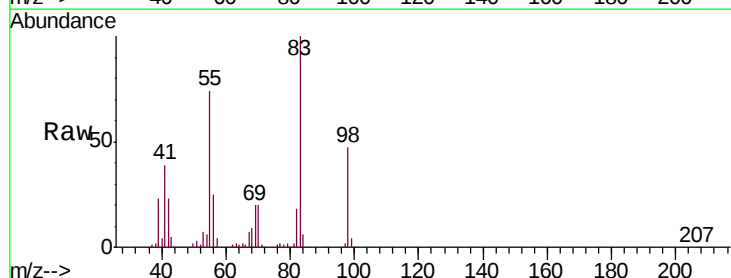


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

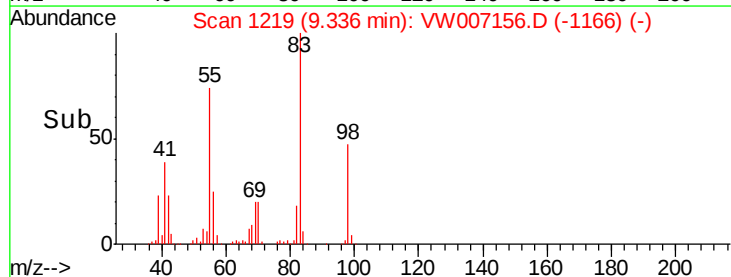
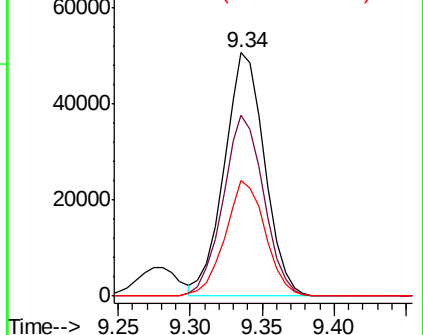


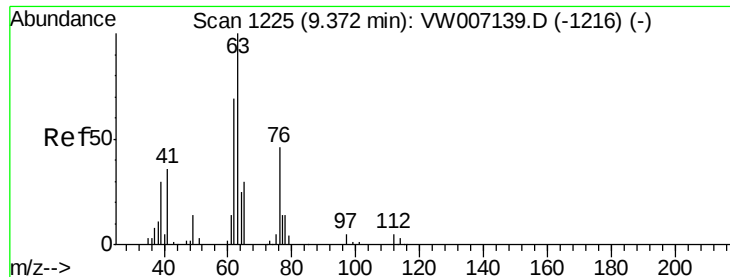
#36
 Methylcyclohexane
 Concen: 23.035 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.01 min
 Lab File: VW007156.D
 Acq: 03 Dec 2018 09:51

Tgt Ion: 83 Resp: 99006
 Ion Ratio Lower Upper
 83 100
 55 74.9 60.2 90.4
 98 47.2 38.8 58.2



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: 24.169 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW007156.D

Acq: 03 Dec 2018 09:51

Instrument :

MSVOA_W

ClientSampled :

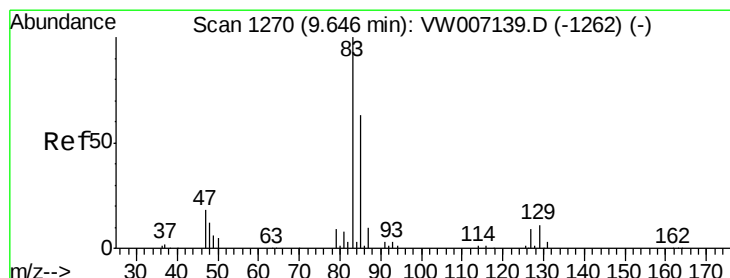
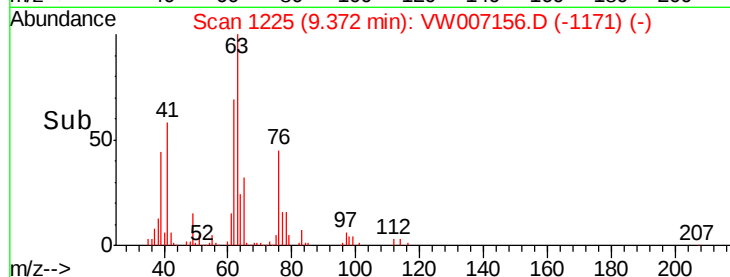
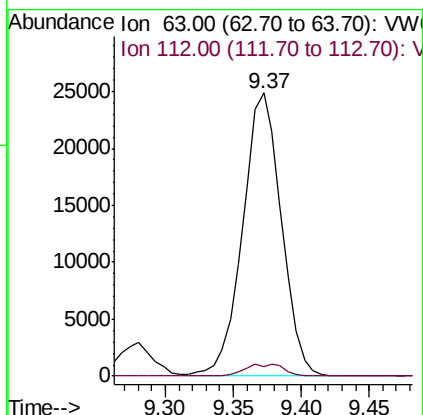
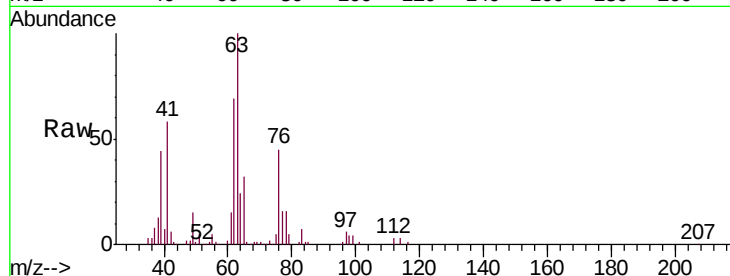
BFB82

Tgt Ion: 63 Resp: 49494

Ion Ratio Lower Upper

63 100

112 2.4 3.4 5.2#



#41

Bromodichloromethane

Concen: 24.608 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW007156.D

Acq: 03 Dec 2018 09:51

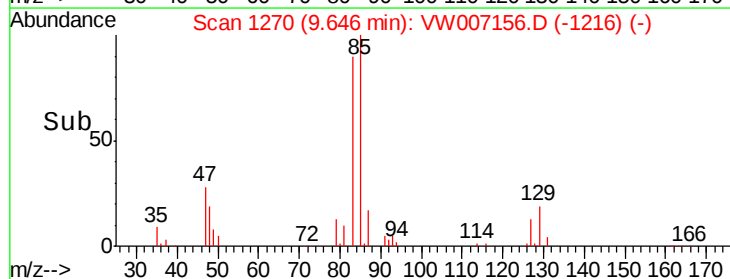
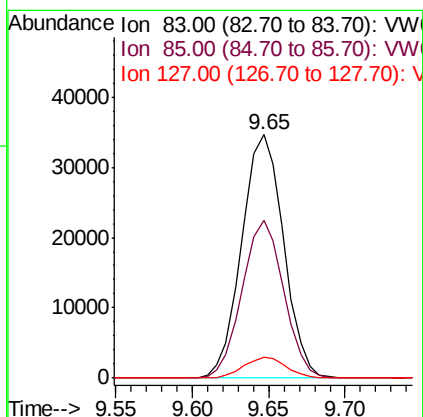
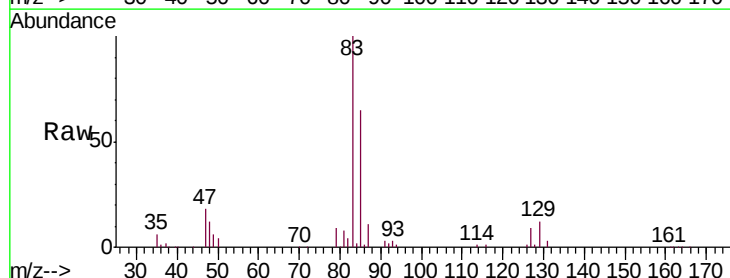
Tgt Ion: 83 Resp: 65975

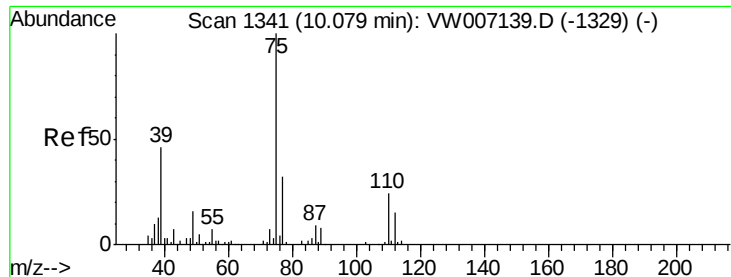
Ion Ratio Lower Upper

83 100

85 65.0 43.9 81.5

127 8.7 7.1 10.7





#42

cis-1,3-Dichloropropene

Concen: 24.532 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.01 min

Lab File: VW007156.D

Acq: 03 Dec 2018 09:51

Instrument :

MSVOA_W

ClientSampleId :

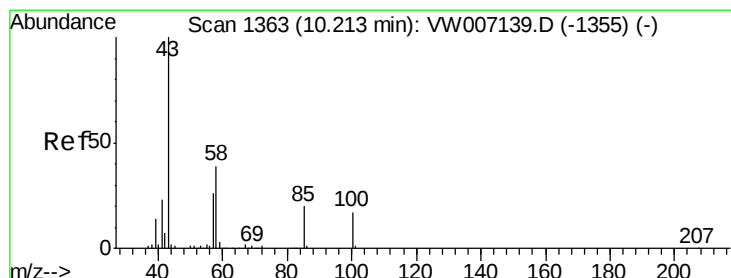
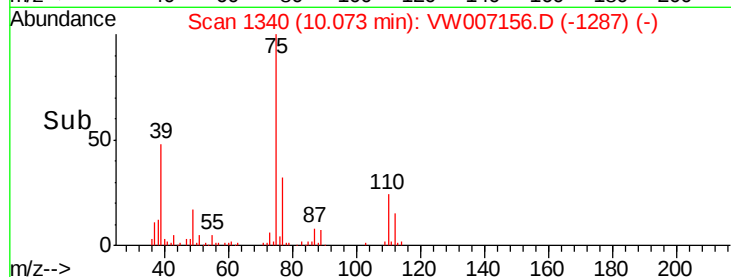
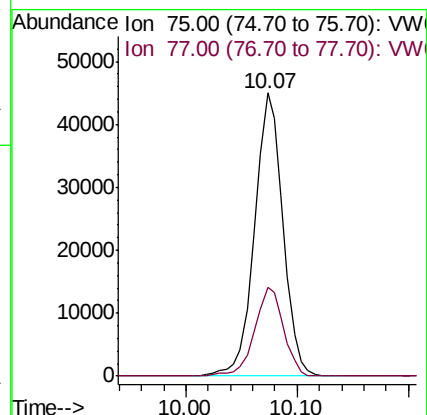
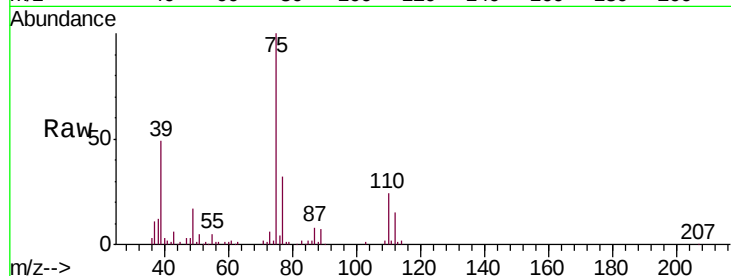
BFB82

Tgt Ion: 75 Resp: 79792

Ion Ratio Lower Upper

75 100

77 31.5 22.3 41.5



#43

4-Methyl-2-pentanone

Concen: 44.570 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW007156.D

Acq: 03 Dec 2018 09:51

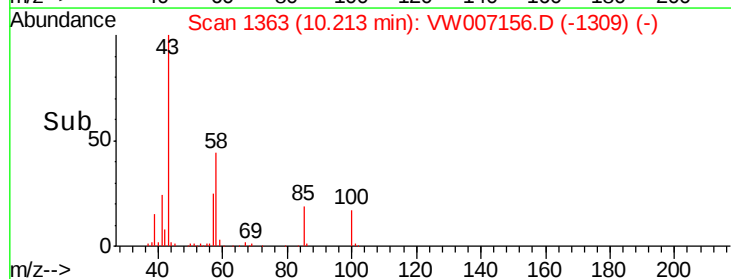
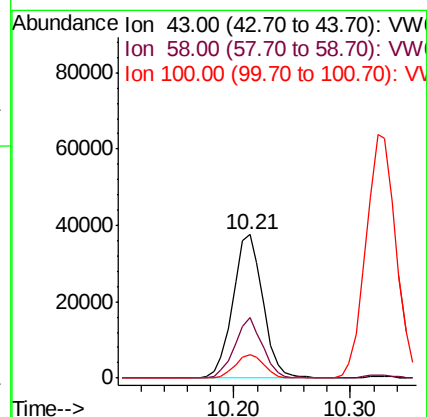
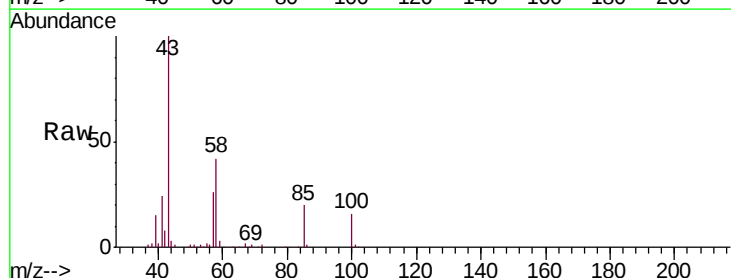
Tgt Ion: 43 Resp: 67539

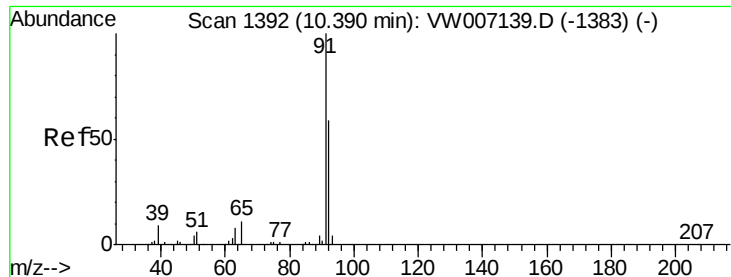
Ion Ratio Lower Upper

43 100

58 39.0 31.4 47.2

100 15.9 13.1 19.7





#44

Toluene

Concen: 23.946 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW007156.D

Acq: 03 Dec 2018 09:51

Instrument :

MSVOA_W

ClientSampleId :

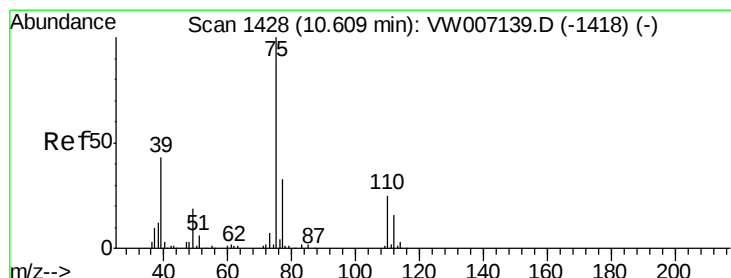
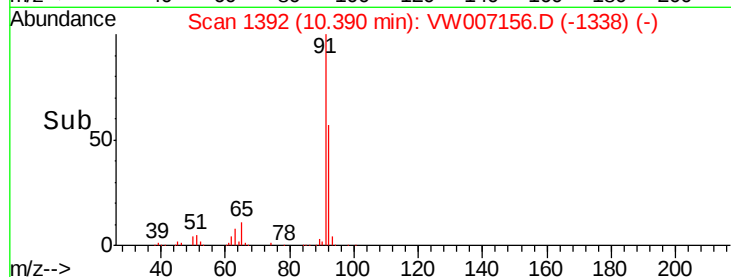
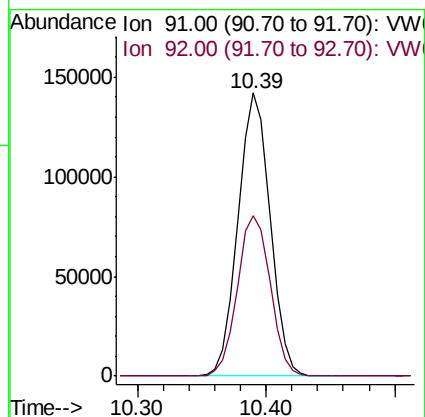
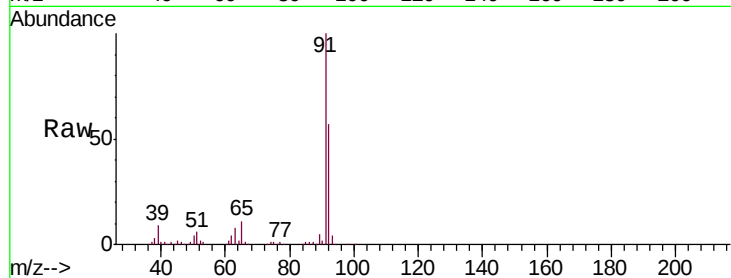
BFB82

Tgt Ion: 91 Resp: 244966

Ion Ratio Lower Upper

91 100

92 56.6 41.2 76.6



#45

trans-1,3-Dichloropropene

Concen: 24.148 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW007156.D

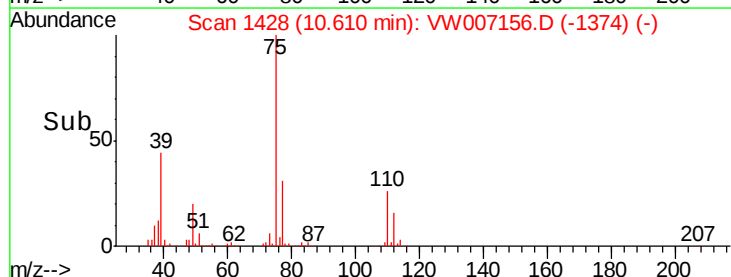
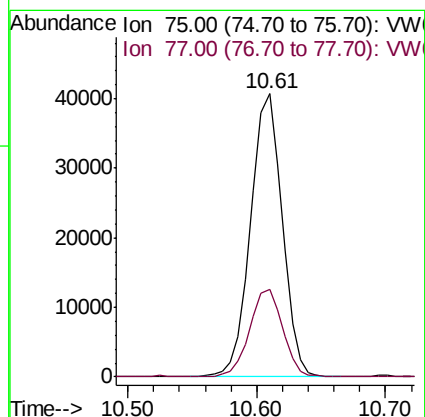
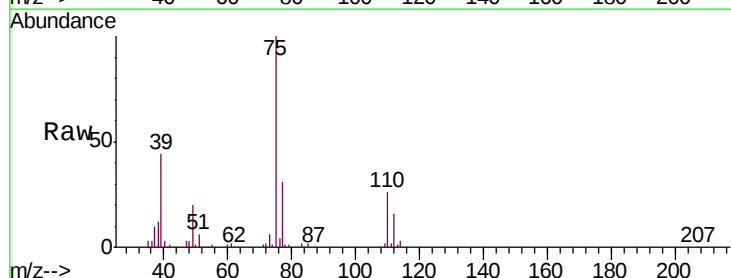
Acq: 03 Dec 2018 09:51

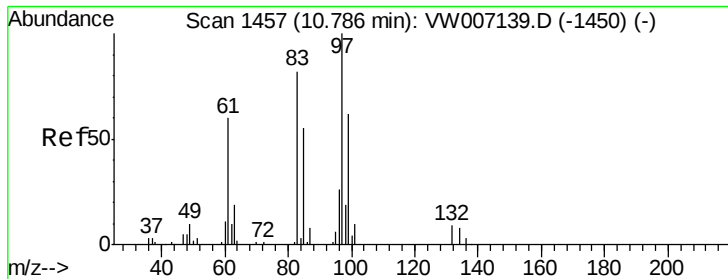
Tgt Ion: 75 Resp: 69006

Ion Ratio Lower Upper

75 100

77 31.0 23.2 43.2

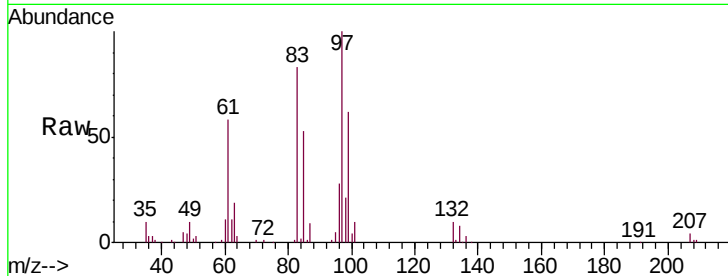




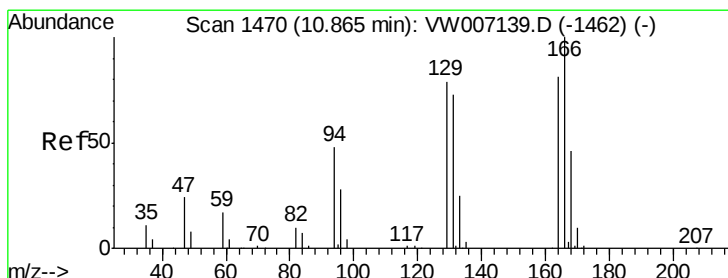
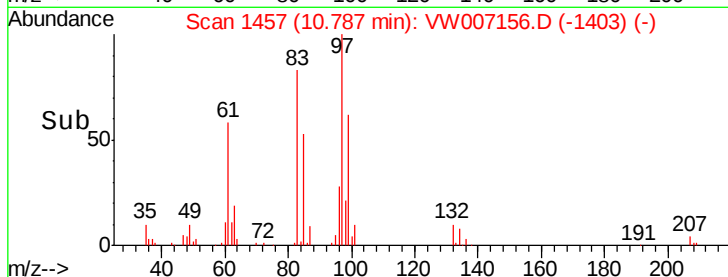
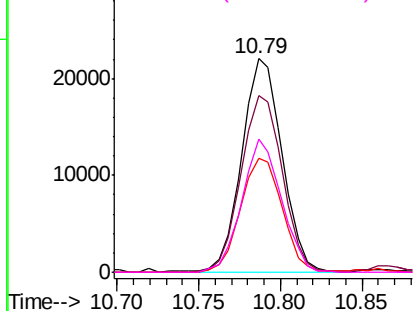
#46
 1,1,2-Trichloroethane
 Concen: 23.569 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW007156.D
 Acq: 03 Dec 2018 09:51

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB82

Tgt Ion:	97	Resp:	38009
Ion	Ratio	Lower	Upper
97	100		
83	83.0	57.1	106.1
85	53.1	38.6	71.8
99	62.4	43.4	80.6



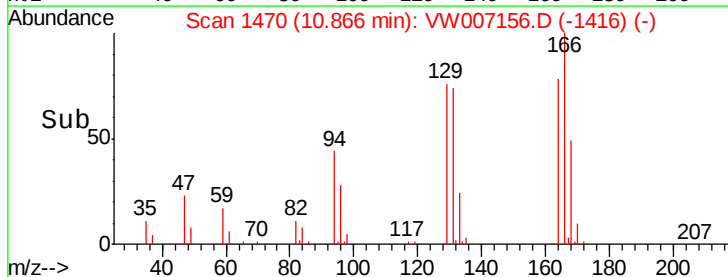
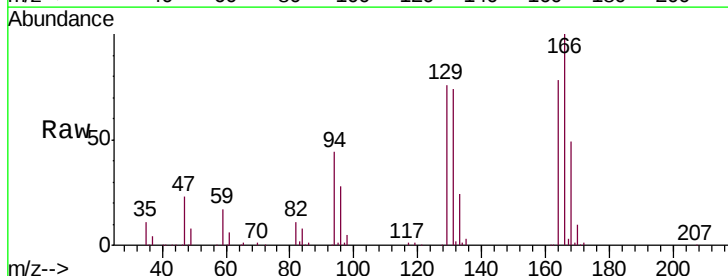
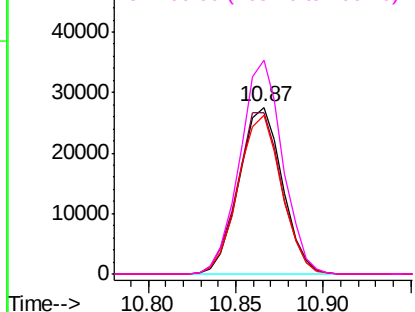
Abundance Ion 97.00 (96.70 to 97.70): VW
 Ion 83.00 (82.70 to 83.70): VW
 Ion 85.00 (84.70 to 85.70): VW
 Ion 99.00 (98.70 to 99.70): VW

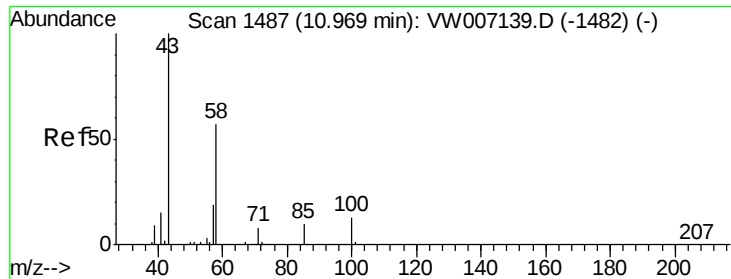


#47
 Tetrachloroethene
 Concen: 23.621 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VW007156.D
 Acq: 03 Dec 2018 09:51

Tgt Ion:	164	Resp:	47763
Ion	Ratio	Lower	Upper
164	100		
129	96.6	68.5	127.3
131	94.8	63.3	117.7
166	127.9	86.6	160.8

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: 45.140 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW007156.D

Acq: 03 Dec 2018 09:51

Instrument :

MSVOA_W

ClientSampleId :

BFB82

Tgt Ion: 43 Resp: 46303

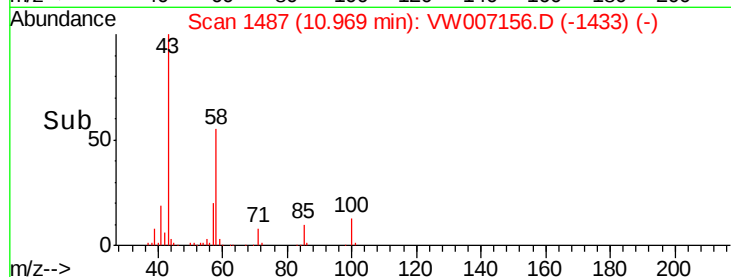
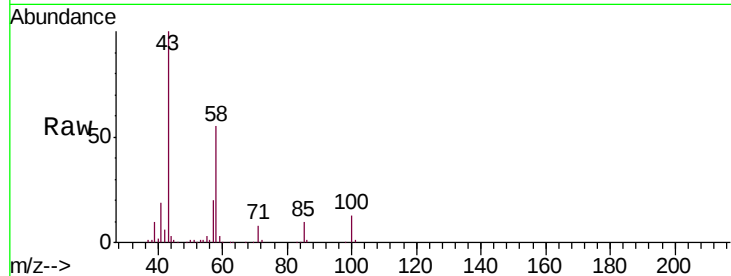
Ion Ratio Lower Upper

43 100

58 56.8 44.2 66.2

57 21.3 16.3 24.5

100 13.3 10.1 15.1

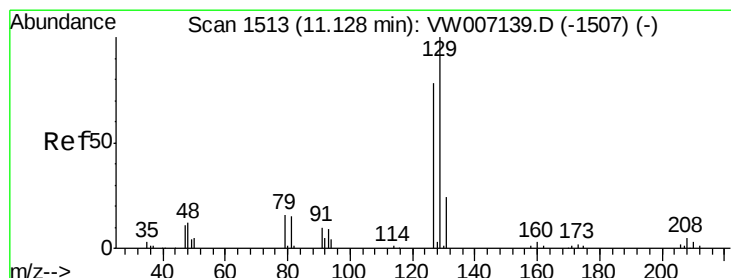
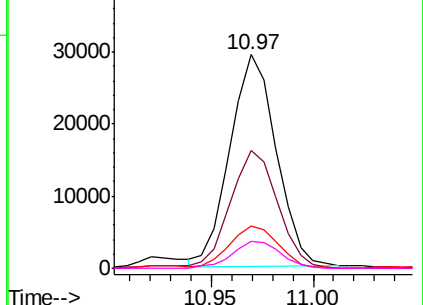


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 24.067 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW007156.D

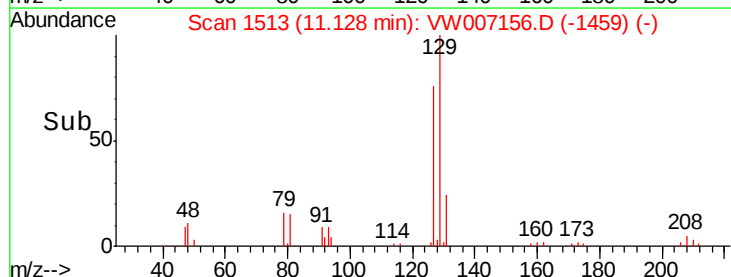
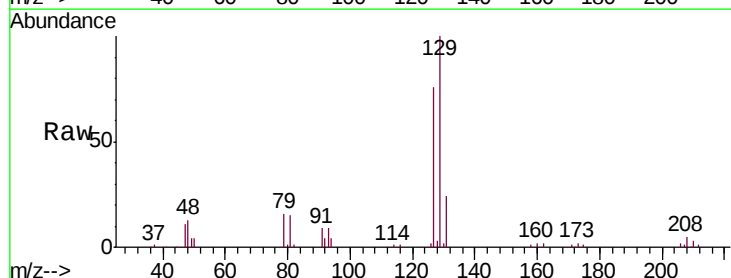
Acq: 03 Dec 2018 09:51

Tgt Ion: 129 Resp: 47274

Ion Ratio Lower Upper

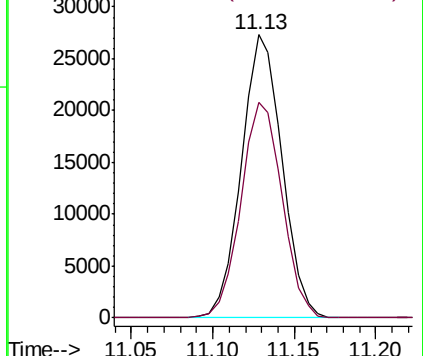
129 100

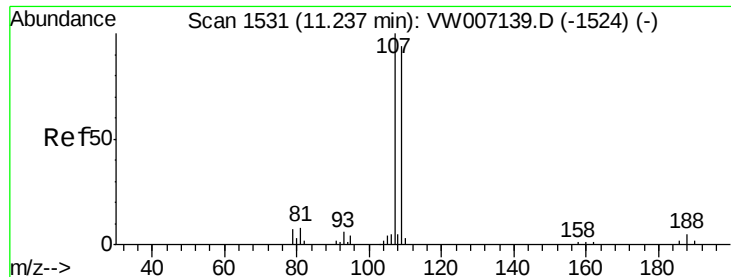
127 76.0 54.6 101.4



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

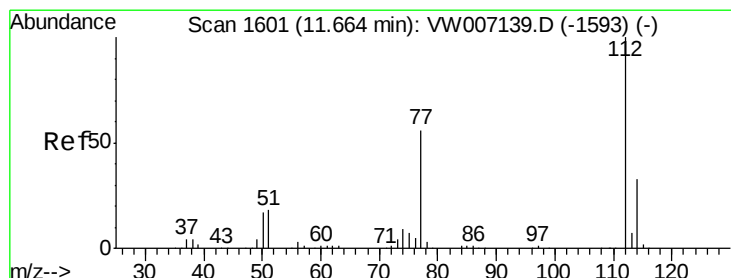
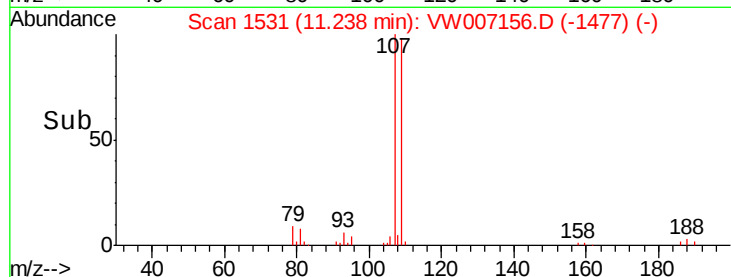
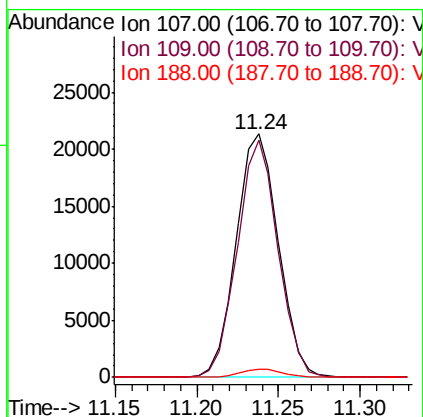
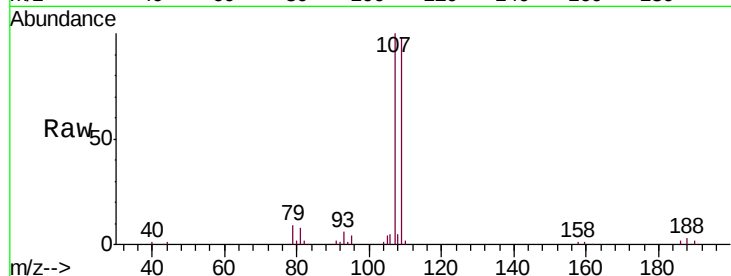




#51
 1,2-Dibromoethane
 Concen: 23.465 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW007156.D
 Acq: 03 Dec 2018 09:51

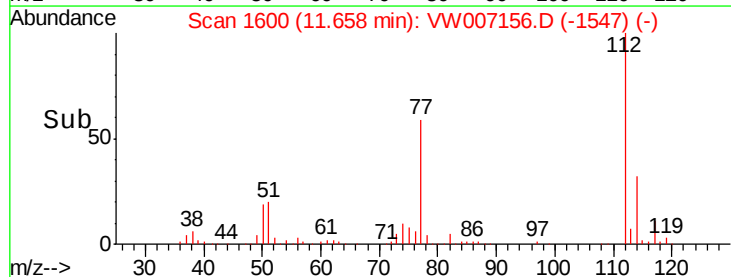
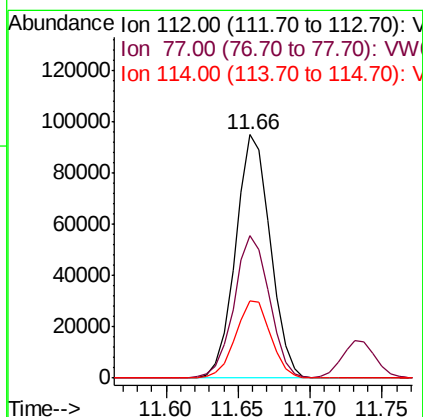
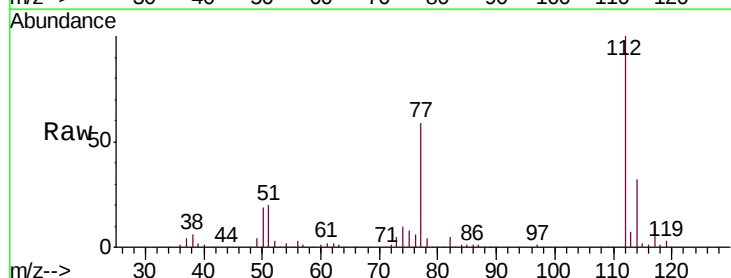
Instrument :
 MSVOA_W
 ClientSampled :
 BFB82

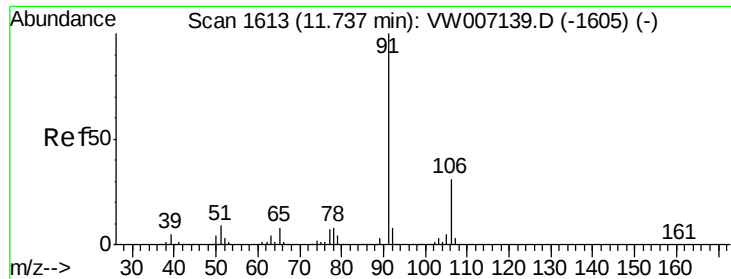
Tgt Ion:107 Resp: 38346
 Ion Ratio Lower Upper
 107 100
 109 97.6 66.0 122.6
 188 3.5 3.6 5.4#



#52
 Chlorobenzene
 Concen: 23.558 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.01 min
 Lab File: VW007156.D
 Acq: 03 Dec 2018 09:51

Tgt Ion:112 Resp: 158882
 Ion Ratio Lower Upper
 112 100
 77 58.6 45.0 67.4
 114 31.7 22.8 42.4





#53

Ethylbenzene

Concen: 23.886 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.01 min

Lab File: VW007156.D

Acq: 03 Dec 2018 09:51

Instrument :

MSVOA_W

ClientSampleId :

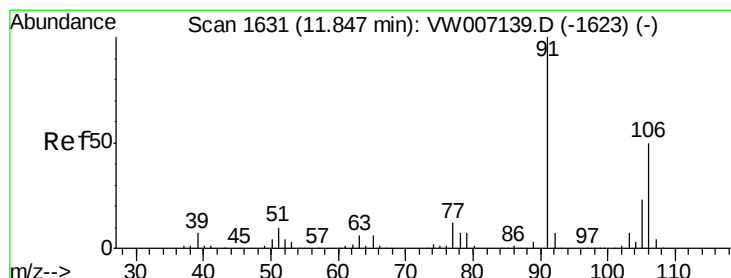
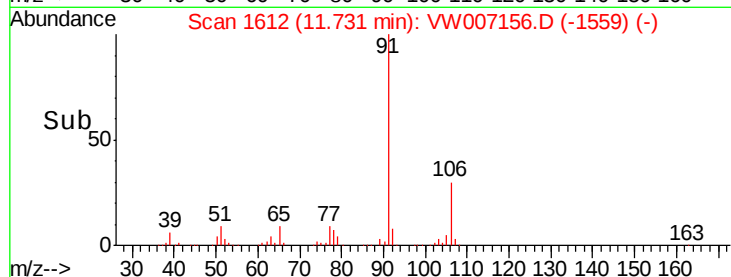
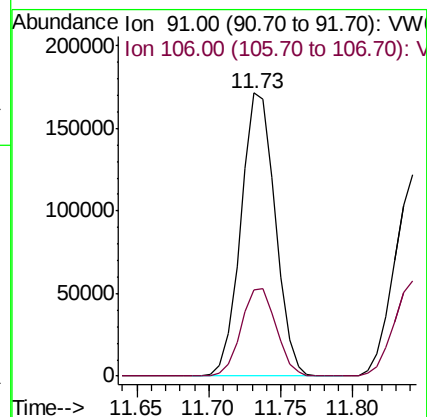
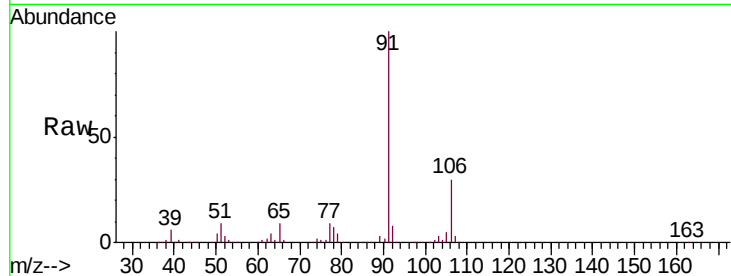
BFB82

Tgt Ion: 91 Resp: 283284

Ion Ratio Lower Upper

91 100

106 30.4 21.8 40.4



#54

m,p-Xylene

Concen: 24.046 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.01 min

Lab File: VW007156.D

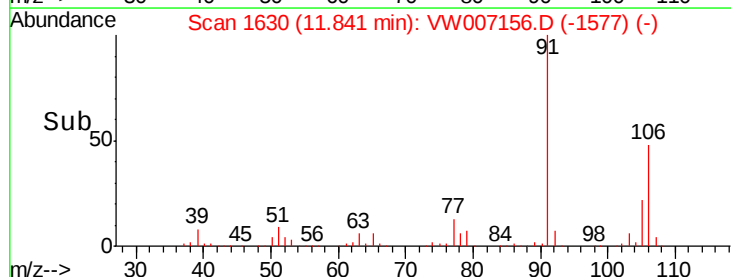
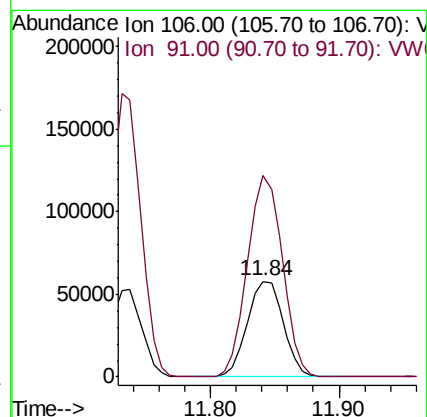
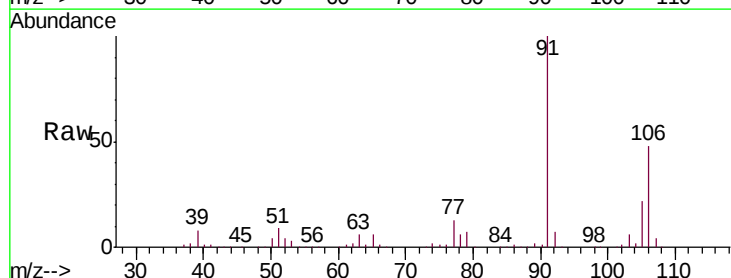
Acq: 03 Dec 2018 09:51

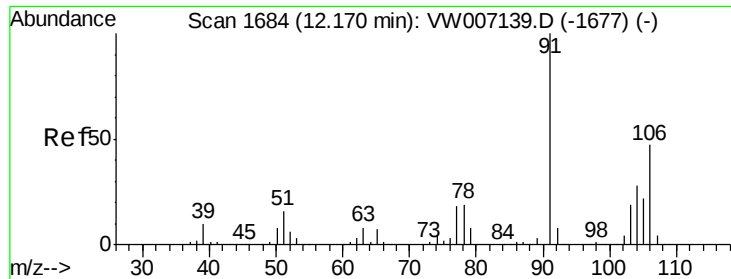
Tgt Ion: 106 Resp: 111276

Ion Ratio Lower Upper

106 100

91 210.4 140.7 261.3

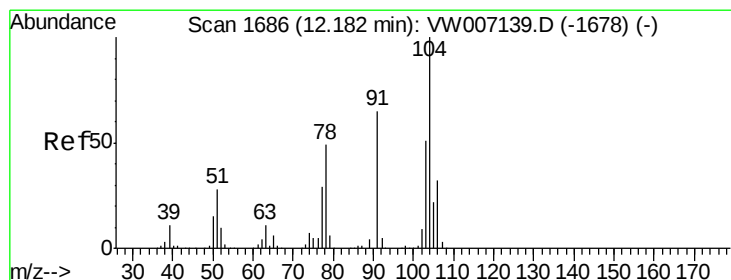
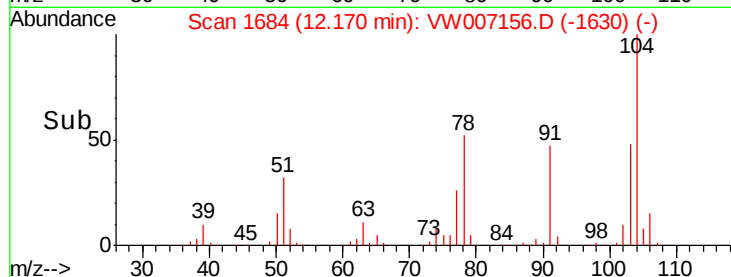
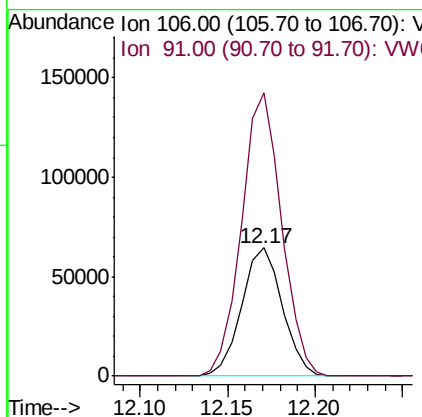
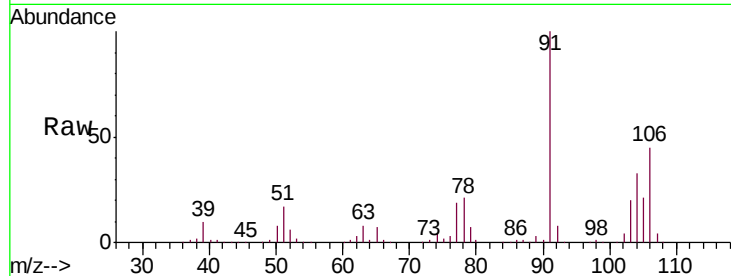




#55
o-xylene
Concen: 24.308 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW007156.D
Acq: 03 Dec 2018 09:51

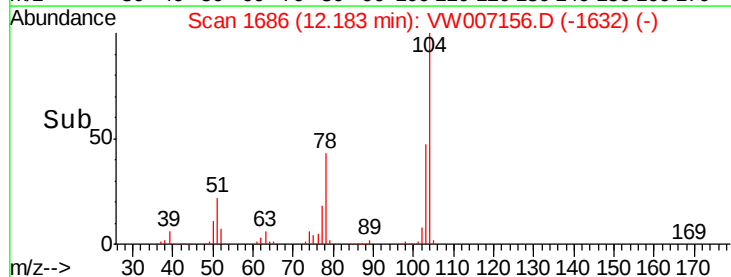
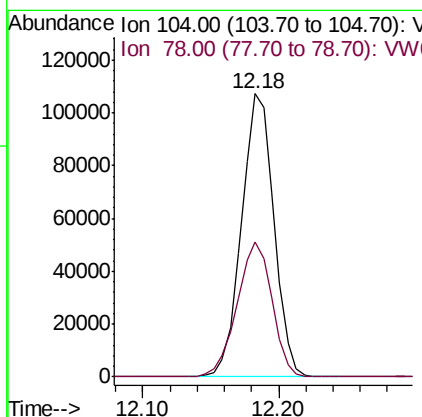
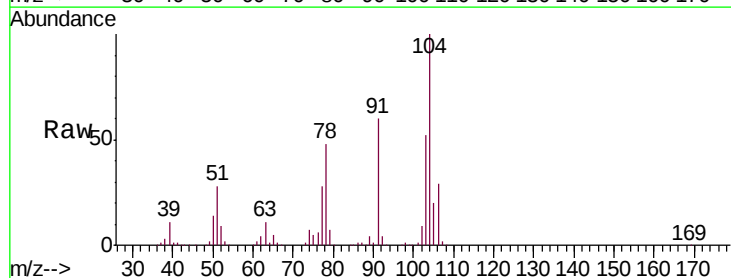
Instrument :
MSVOA_W
ClientSampled :
BFB82

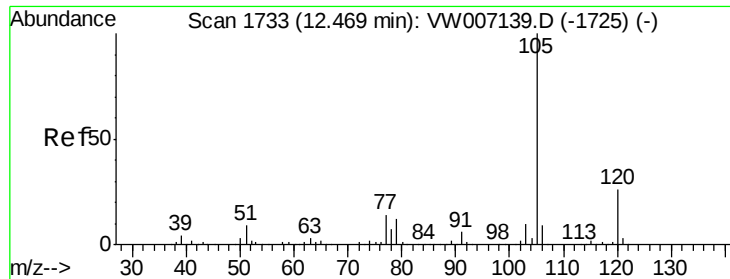
Tgt Ion:106 Resp: 104316
Ion Ratio Lower Upper
106 100
91 220.7 149.0 276.8



#56
Styrene
Concen: 24.622 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW007156.D
Acq: 03 Dec 2018 09:51

Tgt Ion:104 Resp: 178689
Ion Ratio Lower Upper
104 100
78 47.8 34.6 64.2





#57

Isopropylbenzene

Concen: 24.040 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW007156.D

Acq: 03 Dec 2018 09:51

Instrument :

MSVOA_W

ClientSampleId :

BFB82

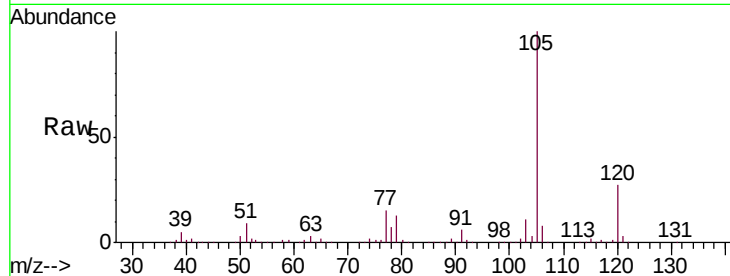
Tgt Ion: 105 Resp: 286879

Ion Ratio Lower Upper

105 100

120 26.4 20.8 31.2

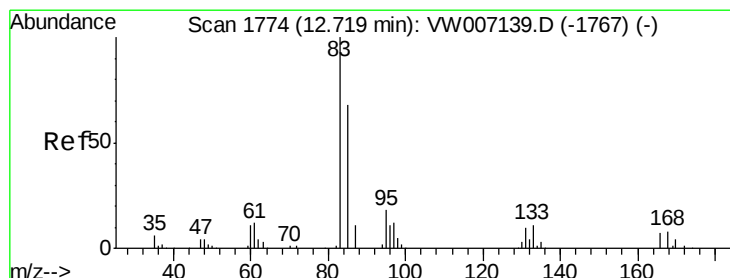
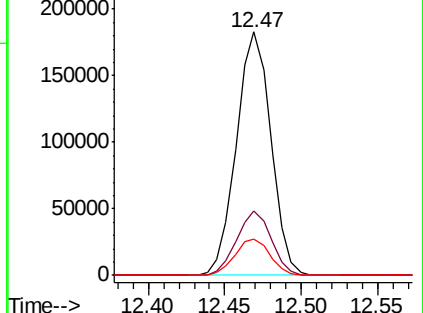
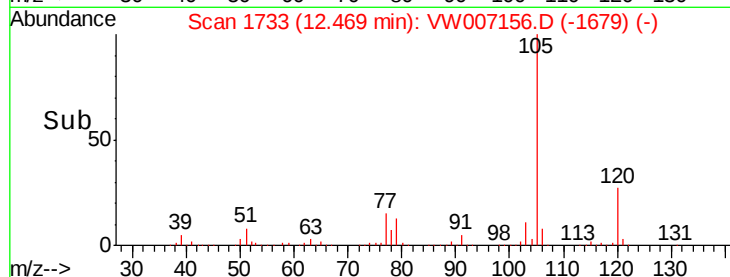
77 15.4 12.0 18.0



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: 23.110 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW007156.D

Acq: 03 Dec 2018 09:51

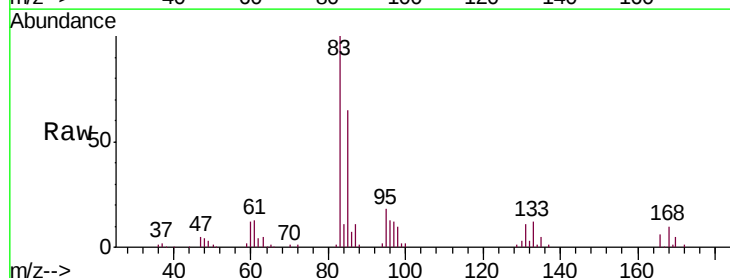
Tgt Ion: 83 Resp: 47359

Ion Ratio Lower Upper

83 100

85 64.5 47.8 88.8

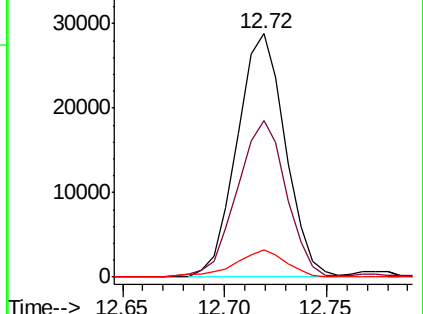
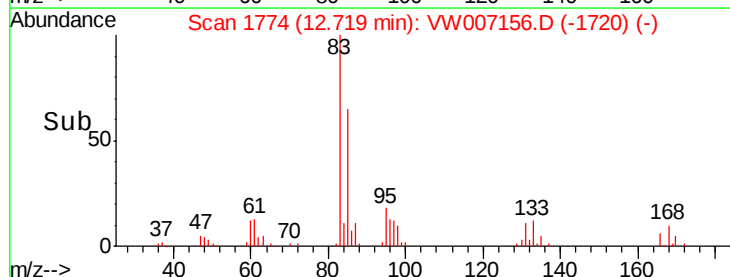
131 11.3 8.2 12.2

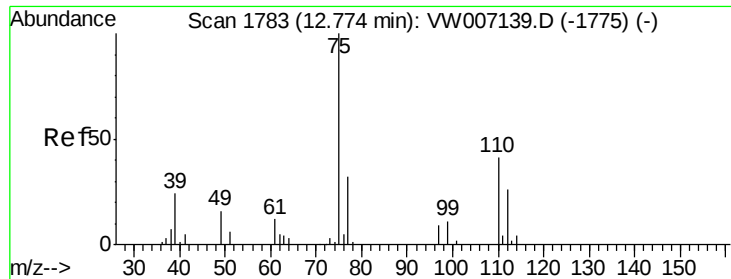


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

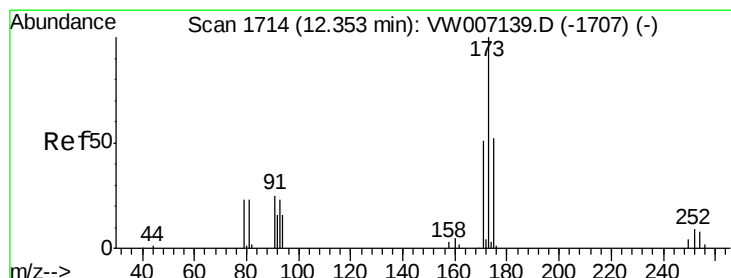
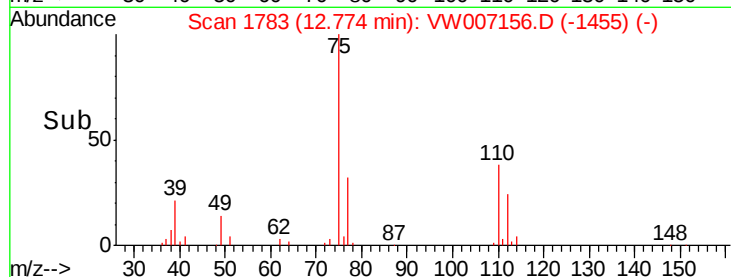
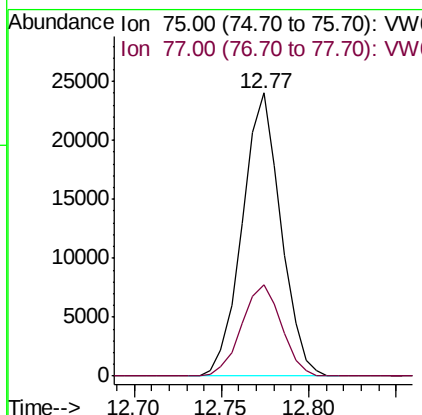
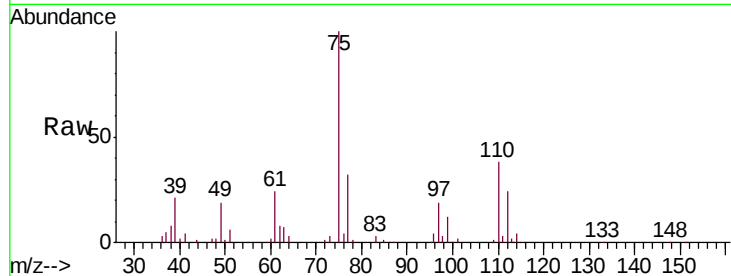




#59
 1,2,3-Trichloropropane
 Concen: 23.067 ug/L
 RT: 12.77 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VW007156.D
 Acq: 03 Dec 2018 09:51

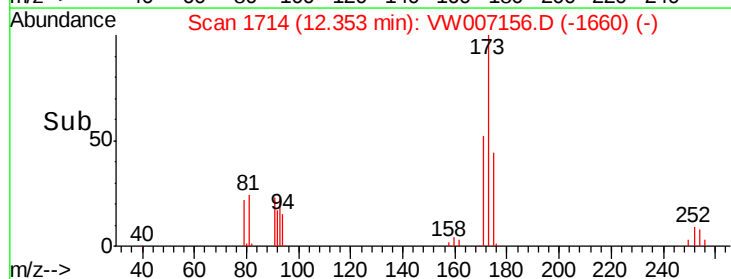
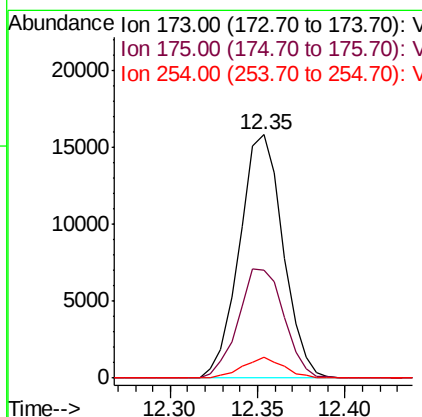
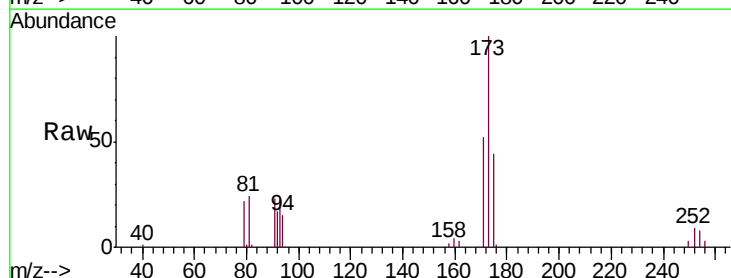
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB82

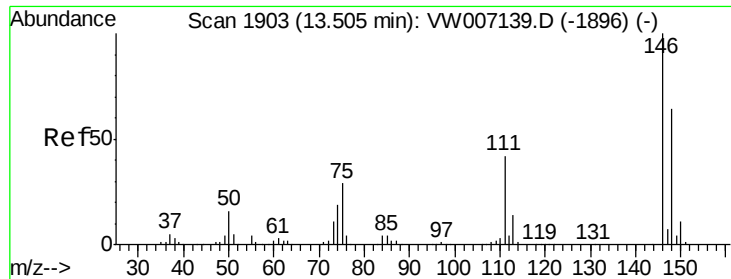
Tgt Ion: 75 Resp: 36943
 Ion Ratio Lower Upper
 75 100
 77 33.2 25.8 38.6



#62
 Bromoform
 Concen: 24.272 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. 0.00 min
 Lab File: VW007156.D
 Acq: 03 Dec 2018 09:51

Tgt Ion: 173 Resp: 27426
 Ion Ratio Lower Upper
 173 100
 175 46.9 39.8 59.8
 254 7.9 6.9 10.3

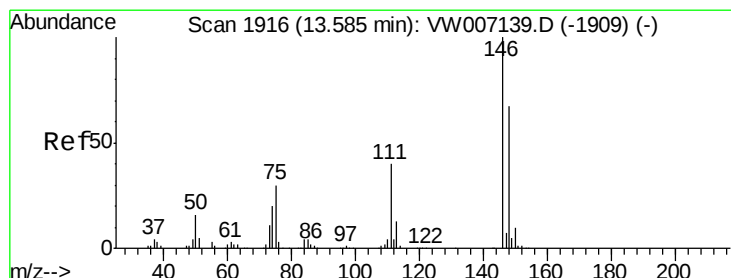
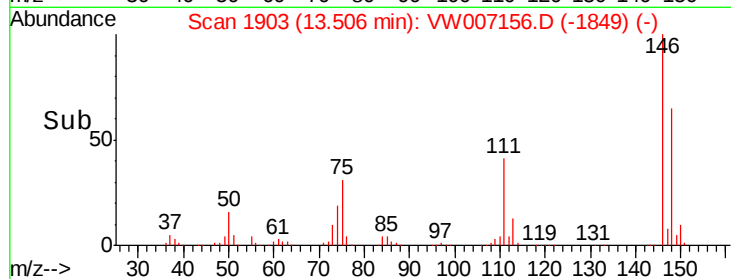
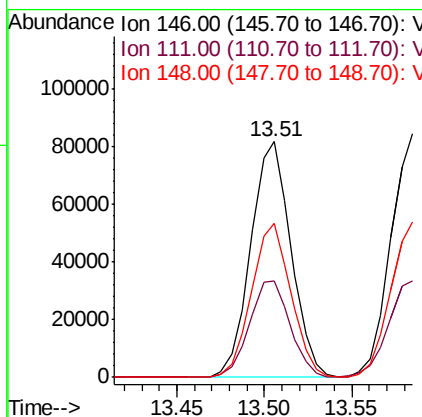
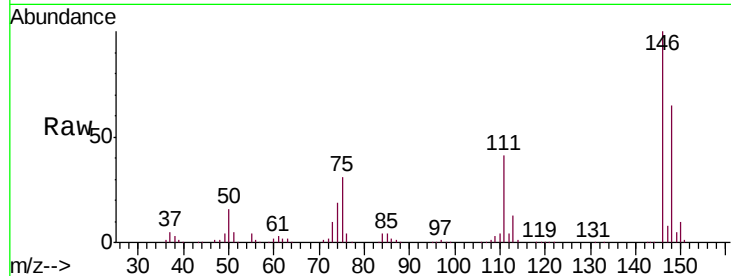




#63
 1,3-Dichlorobenzene
 Concen: 24.248 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW007156.D
 Acq: 03 Dec 2018 09:51

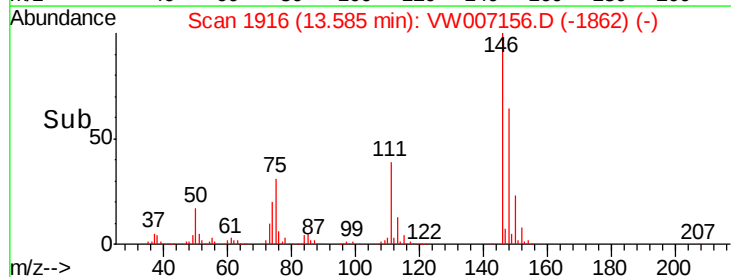
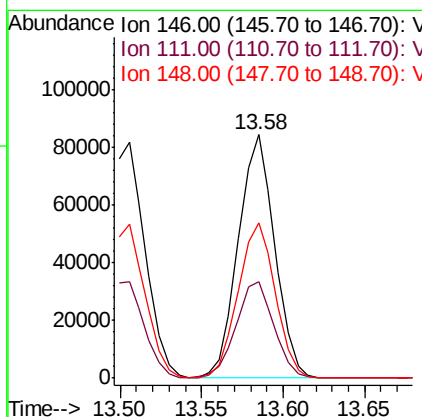
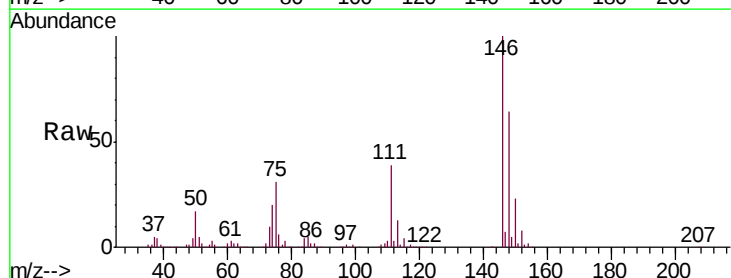
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB82

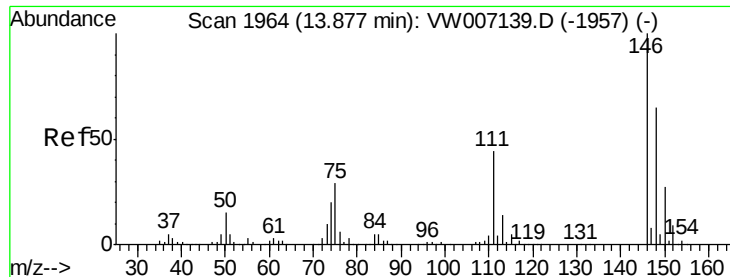
Tgt Ion:146 Resp: 131678
 Ion Ratio Lower Upper
 146 100
 111 40.8 29.2 54.2
 148 65.5 44.7 83.1



#64
 1,4-Dichlorobenzene
 Concen: 24.100 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW007156.D
 Acq: 03 Dec 2018 09:51

Tgt Ion:146 Resp: 131639
 Ion Ratio Lower Upper
 146 100
 111 39.5 28.2 52.4
 148 63.6 46.6 86.6

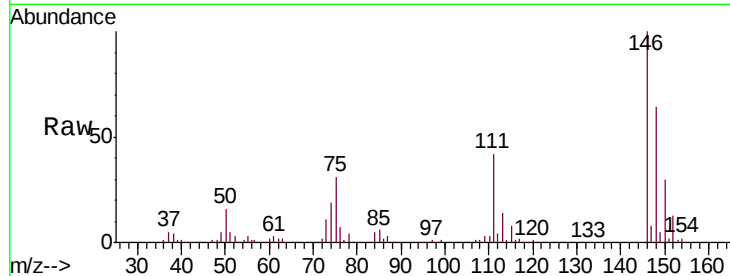




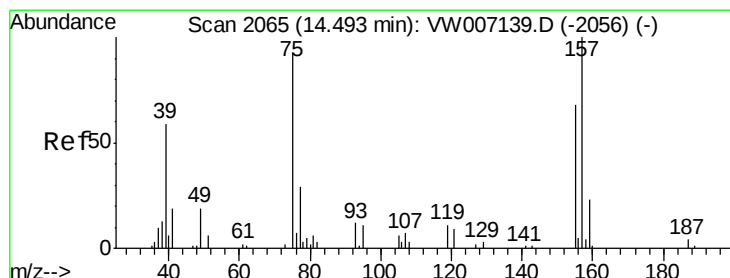
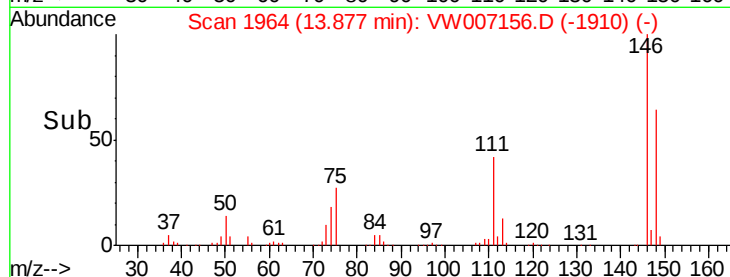
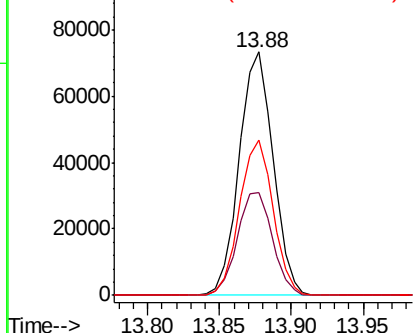
#65
 1,2-Dichlorobenzene
 Concen: 24.119 ug/L
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW007156.D
 Acq: 03 Dec 2018 09:51

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB82

Tgt Ion: 146 Resp: 119851
 Ion Ratio Lower Upper
 146 100
 111 42.4 35.3 52.9
 148 63.9 51.6 77.4

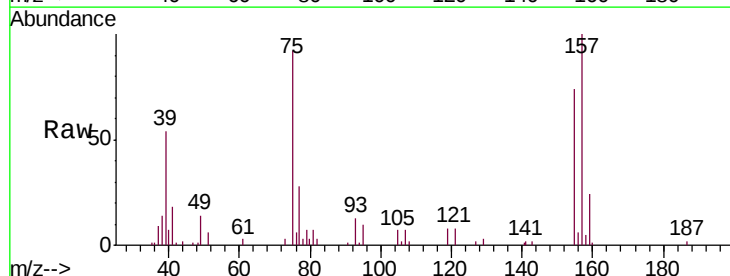


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

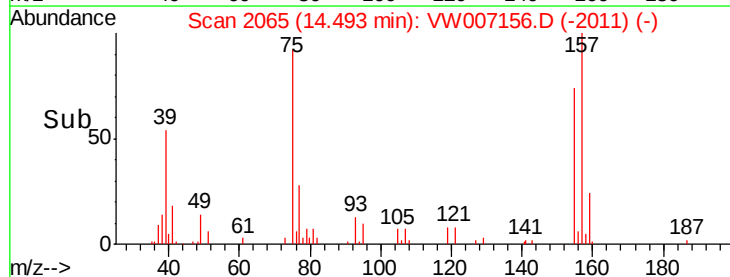
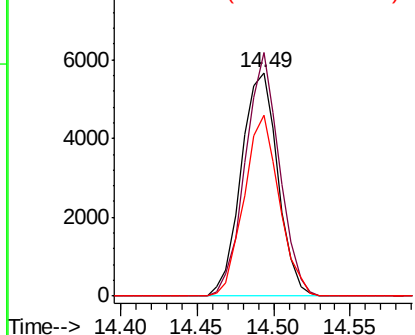


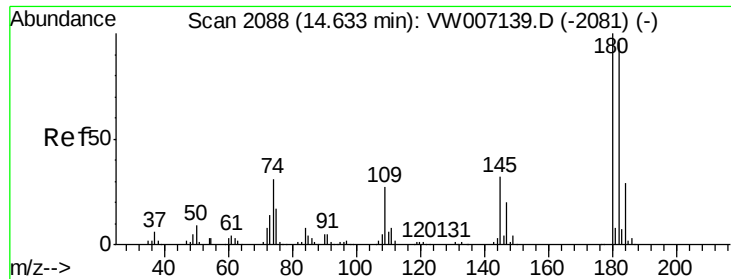
#66
 1,2-Dibromo-3-chloropropane
 Concen: 23.339 ug/L
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.00 min
 Lab File: VW007156.D
 Acq: 03 Dec 2018 09:51

Tgt Ion: 75 Resp: 9405
 Ion Ratio Lower Upper
 75 100
 157 109.1 86.4 129.6
 155 80.8 58.3 87.5



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

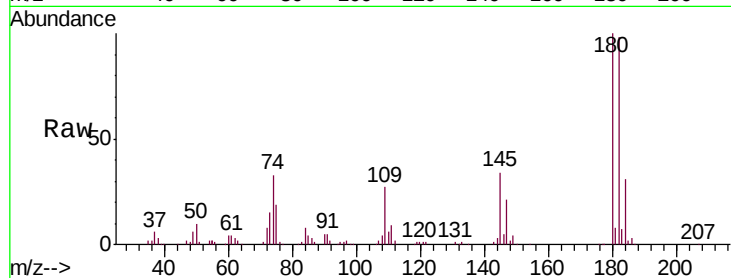




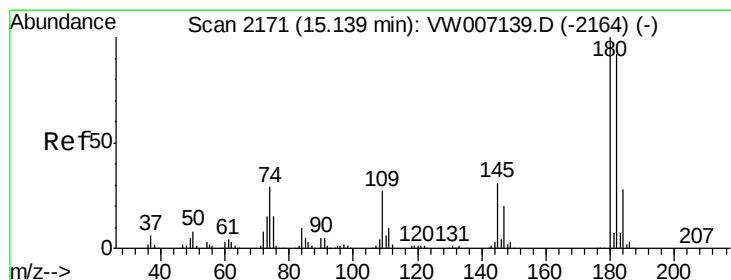
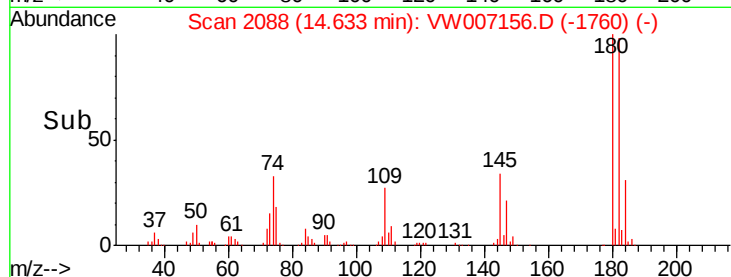
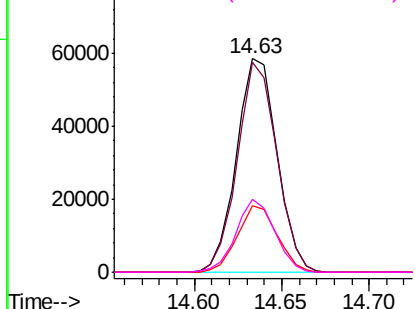
#67
 1,3,5-Trichlorobenzene
 Concen: 23.225 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW007156.D
 Acq: 03 Dec 2018 09:51

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB82

Tgt Ion:180 Resp: 94719
 Ion Ratio Lower Upper
 180 100
 182 95.4 75.9 113.9
 184 30.4 24.2 36.4
 145 32.5 26.1 39.1

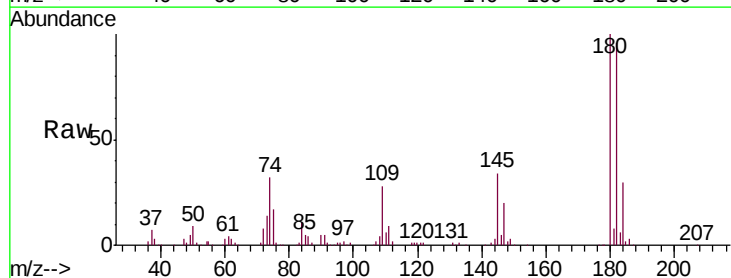


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

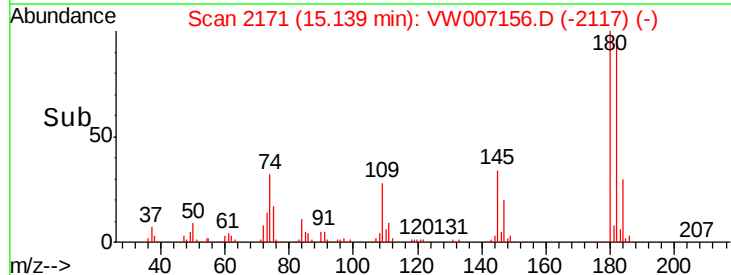
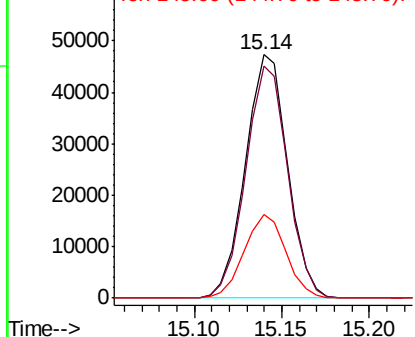


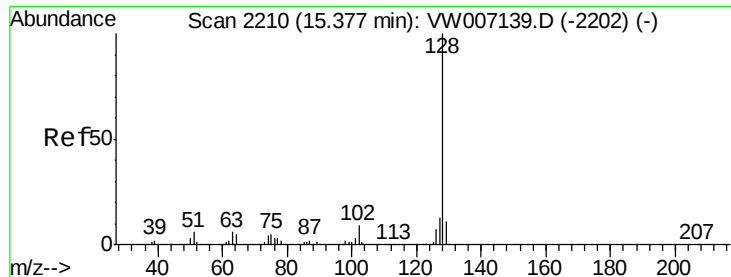
#68
 1,2,4-trichlorobenzene
 Concen: 23.006 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW007156.D
 Acq: 03 Dec 2018 09:51

Tgt Ion:180 Resp: 79764
 Ion Ratio Lower Upper
 180 100
 182 94.6 75.6 113.4
 145 34.1 26.6 39.8



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: 22.898 ug/L

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW007156.D

Acq: 03 Dec 2018 09:51

Instrument :

MSVOA_W

ClientSampleId :

BFB82

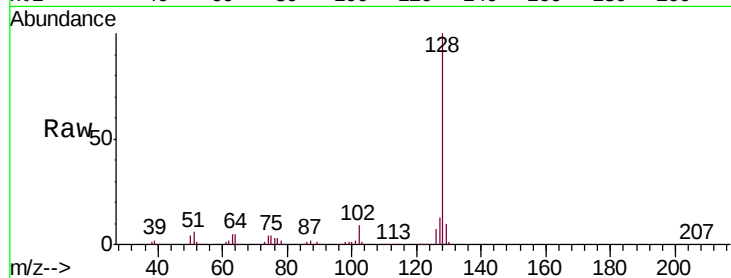
Tgt Ion:128 Resp: 169035

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

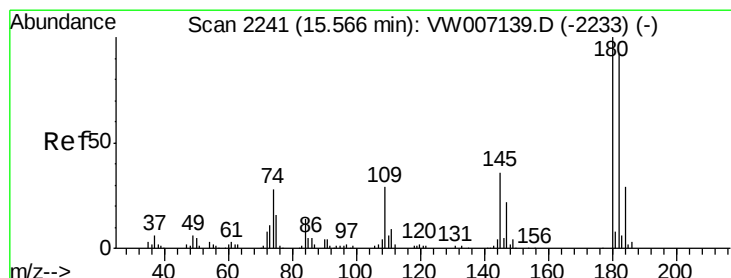
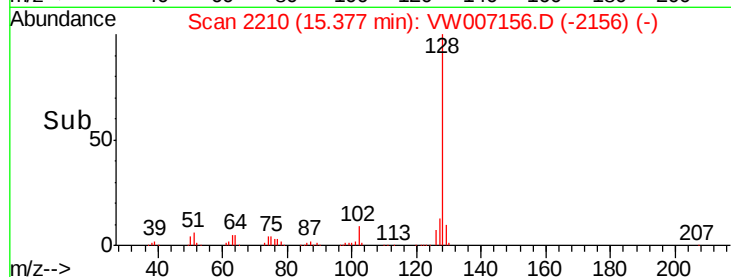
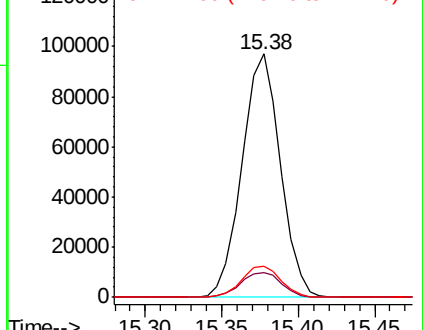
127 13.1 10.9 16.3



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: 23.026 ug/L

RT: 15.57 min Scan# 2241

Delta R.T. 0.00 min

Lab File: VW007156.D

Acq: 03 Dec 2018 09:51

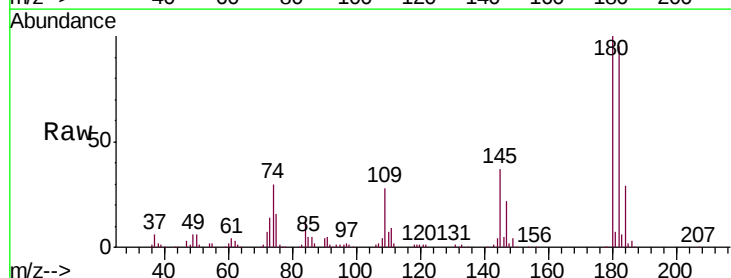
Tgt Ion:180 Resp: 69661

Ion Ratio Lower Upper

180 100

182 95.0 75.0 112.4

145 36.2 28.2 42.4



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

