

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121018\
 Data File : VW007351.D
 Acq On : 10 Dec 2018 11:45
 Operator : SY/AP
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 11 01:17:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120718S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Dec 10 05:52:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	123999	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	100459	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	52342	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	25714	31.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	127.36%
7) Chloroethane-d5	2.90	69	19462	28.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	113.80%
10) 1,1-Dichloroethene-d2	4.01	63	79697	28.61	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	114.44%#
20) 2-Butanone-d5	7.07	46	24980	49.07	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.14%
24) Chloroform-d	7.65	84	80078	27.38	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	109.52%
26) 1,2-Dichloroethane-d4	8.31	65	45747	27.48	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	109.92%
29) Benzene-d6	8.27	84	155736	28.54	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	114.16%
33) 1,2-Dichloropropane-d6	9.27	67	44033	28.28	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	113.12%
37) Toluene-d8	10.32	98	145932	28.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	114.12%
38) trans-1,3-Dichloropropene-	10.58	79	22678	28.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	113.96%
39) 2-Hexanone-d5	10.93	63	18485	49.32	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.64%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	38856	27.39	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	109.56%
61) 1,2-Dichlorobenzene-d4	13.86	152	50303	27.32	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	109.28%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	35692	26.357 ug/L	97
3) Chloromethane	2.22	50	24736	22.818 ug/L	98
5) Vinyl chloride	2.37	62	30449	29.772 ug/L	97
6) Bromomethane	2.78	94	18146	25.651 ug/L	99
8) Chloroethane	2.93	64	16013	26.010 ug/L	98
9) Trichlorofluoromethane	3.26	101	29157	24.835 ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	39210	25.054 ug/L	98
12) 1,1-Dichloroethene	4.03	96	38394	26.365 ug/L	98
13) Acetone	4.12	43	26460	44.697 ug/L	98
14) Carbon disulfide	4.37	76	117130	27.547 ug/L	100
15) Methyl Acetate	4.67	43	19983	22.511 ug/L #	89
16) Methylene chloride	4.92	84	39804	19.867 ug/L	95
17) Methyl tert-butyl Ether	5.43	73	59085	24.952 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	40583	25.977 ug/L	94
19) 1,1-Dichloroethane	6.21	63	67095	25.195 ug/L	99
21) 2-Butanone	7.17	43	28913	45.441 ug/L	99
22) cis-1,2-Dichloroethene	7.16	96	43308	25.191 ug/L	95

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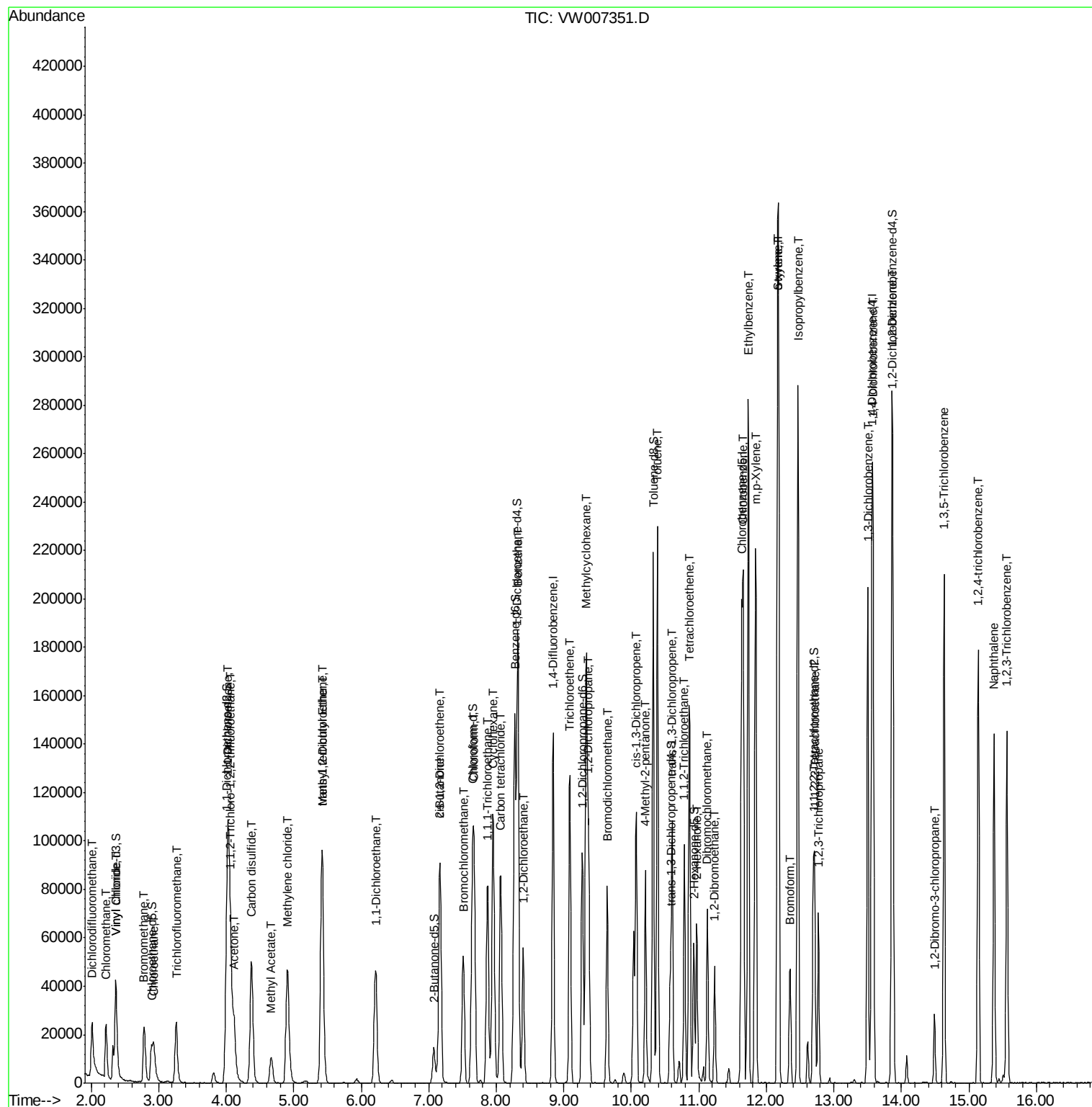
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	20116	25.667	ug/L	95
25) Chloroform	7.67	83	74456	25.840	ug/L	98
27) 1,2-Dichloroethane	8.40	62	52891	25.679	ug/L	98
30) Cyclohexane	7.95	56	63846	26.492	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	68458	28.953	ug/L	99
32) Carbon tetrachloride	8.07	117	66875	29.269	ug/L	99
34) Benzene	8.32	78	154756	26.876	ug/L	100
35) Trichloroethene	9.09	95	45388	27.488	ug/L	99
36) Methylcyclohexane	9.34	83	75638	26.536	ug/L	97
40) 1,2-Dichloropropane	9.37	63	37725	26.783	ug/L	99
41) Bromodichloromethane	9.64	83	54737	27.064	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	62591	26.460	ug/L	96
43) 4-Methyl-2-pentanone	10.21	43	55121	49.442	ug/L	96
44) Toluene	10.38	91	173009	27.875	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	56113	27.012	ug/L	96
46) 1,1,2-Trichloroethane	10.79	97	30496	26.294	ug/L	92
47) Tetrachloroethene	10.86	164	34371	27.557	ug/L	94
49) 2-Hexanone	10.97	43	40032	51.090	ug/L	92
50) Dibromochloromethane	11.13	129	37901	26.601	ug/L	96
51) 1,2-Dibromoethane	11.24	107	31230	26.811	ug/L	98
52) Chlorobenzene	11.66	112	108704	26.987	ug/L	96
53) Ethylbenzene	11.73	91	195435	28.004	ug/L	99
54) m,p-Xylene	11.84	106	72340	27.287	ug/L	96
55) o-xylene	12.17	106	64747	25.843	ug/L	80
56) Styrene	12.18	104	111918	26.060	ug/L	97
57) Isopropylbenzene	12.47	105	185779	26.569	ug/L	97
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	37693	26.216	ug/L	91
59) 1,2,3-Trichloropropane	12.77	75	28847	25.347	ug/L	98
62) Bromoform	12.35	173	23300	25.994	ug/L	97
63) 1,3-Dichlorobenzene	13.51	146	86636	25.764	ug/L	90
64) 1,4-Dichlorobenzene	13.58	146	83179	24.813	ug/L	85
65) 1,2-Dichlorobenzene	13.88	146	75775	25.179	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	7801	24.474	ug/L	92
67) 1,3,5-Trichlorobenzene	14.63	180	63352	26.008	ug/L	98
68) 1,2,4-trichlorobenzene	15.14	180	55421	26.391	ug/L	97
69) Naphthalene	15.37	128	127306	24.525	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	49735	26.050	ug/L	99

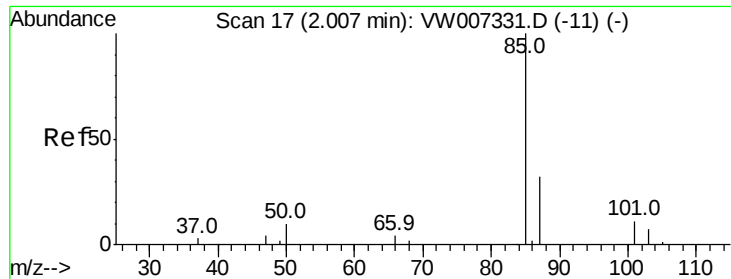
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 26.357 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW007351.D

Acq: 10 Dec 2018 11:45

Instrument :

MSVOA_W

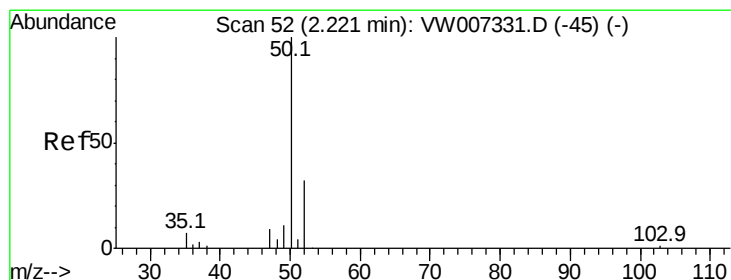
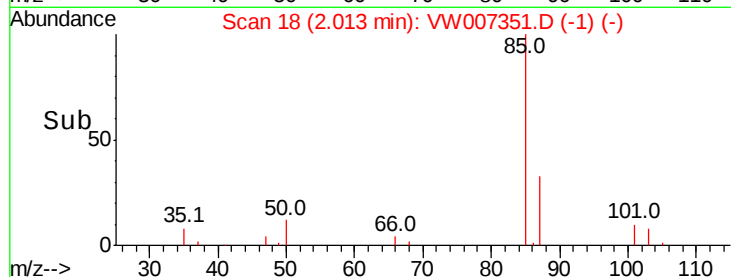
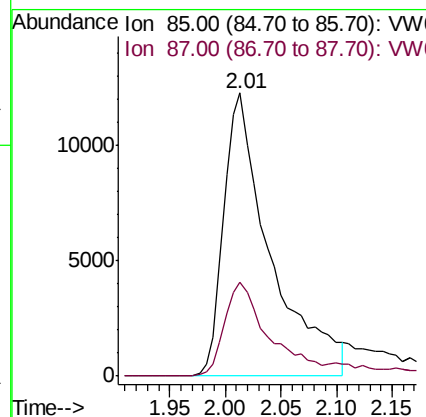
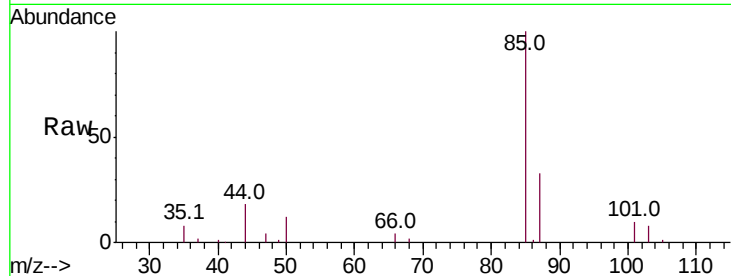
ClientSampled :

Tot Ion: 85 Resp: 35692

Ion Ratio Lower Upper

85 100

87 31.3 23.2 43.0



#3

Chloromethane

Concen: 22.818 ug/L

RT: 2.22 min Scan# 52

Delta R.T. -0.00 min

Lab File: VW007351.D

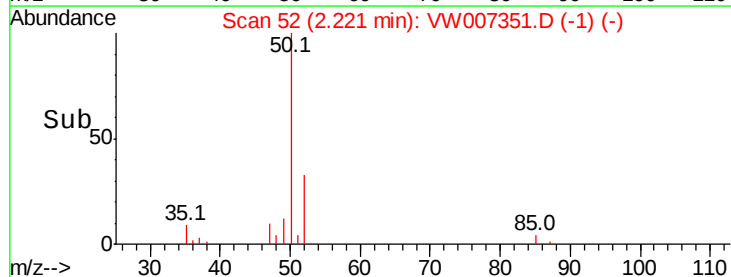
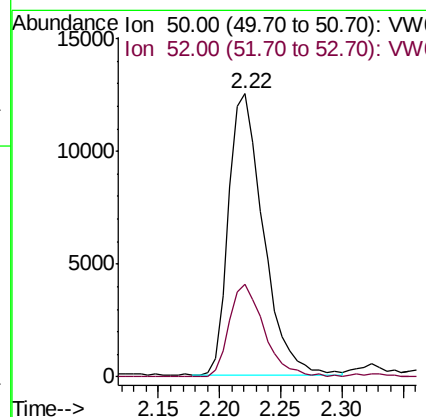
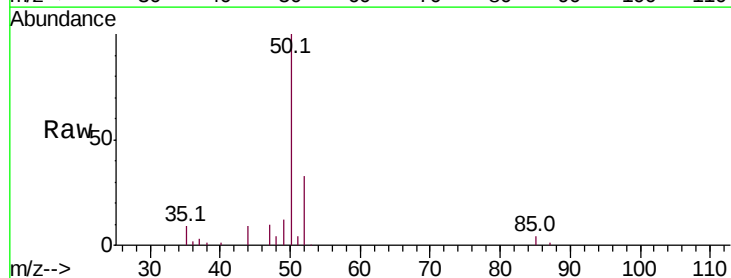
Acq: 10 Dec 2018 11:45

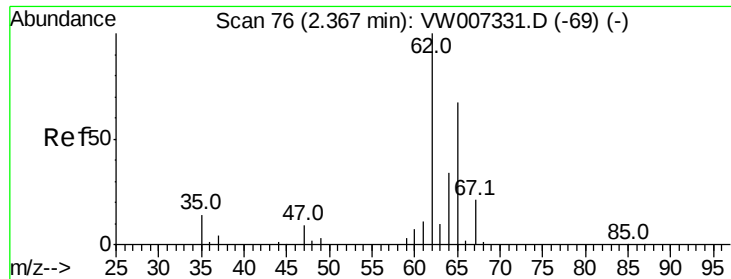
Tgt Ion: 50 Resp: 24736

Ion Ratio Lower Upper

50 100

52 32.9 22.2 41.2





#5

Vinyl chloride

Concen: 29.772 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW007351.D

Acq: 10 Dec 2018 11:45

Instrument :

MSVOA_W

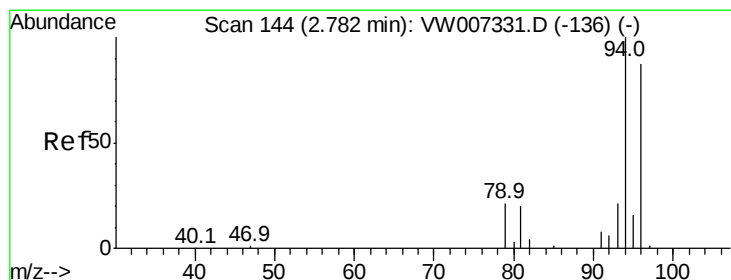
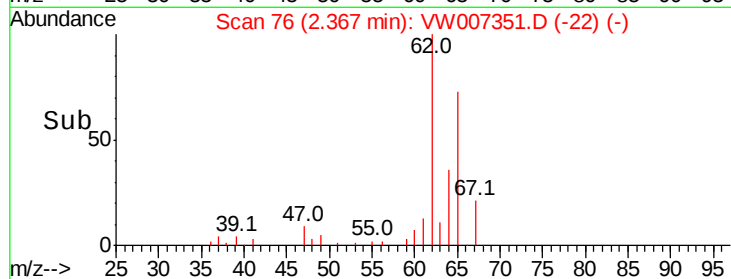
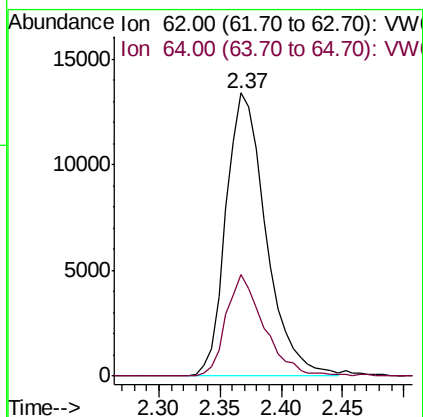
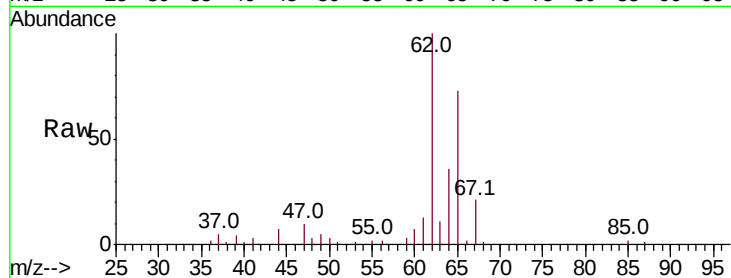
ClientSampled :

Tot Ion: 62 Resp: 30449

Ion Ratio Lower Upper

62 100

64 35.9 23.9 44.3



#6

Bromomethane

Concen: 25.651 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW007351.D

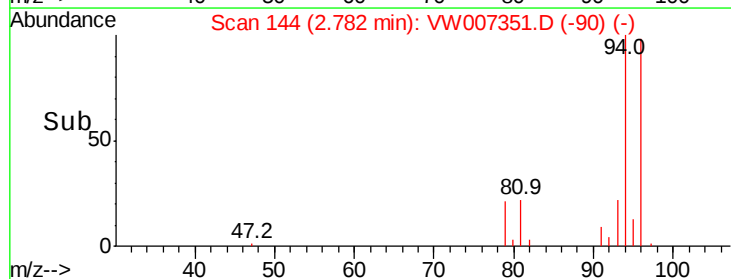
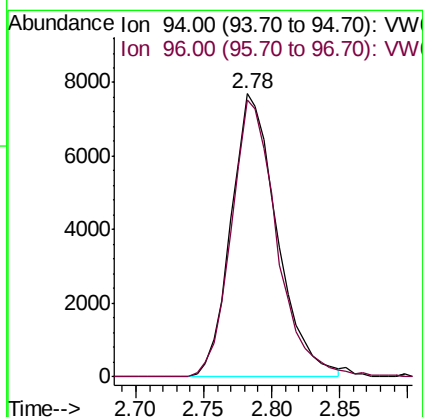
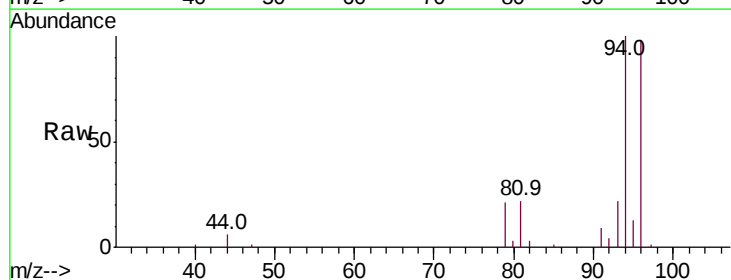
Acq: 10 Dec 2018 11:45

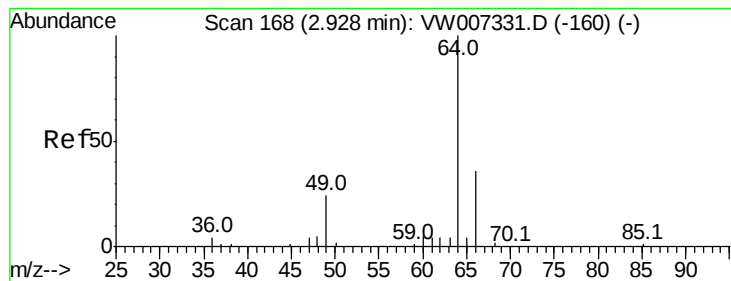
Tgt Ion: 94 Resp: 18146

Ion Ratio Lower Upper

94 100

96 96.7 9.6 181.8





#8

Chloroethane

Concen: 26.010 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW007351.D

Acq: 10 Dec 2018 11:45

Instrument :

MSVOA_W

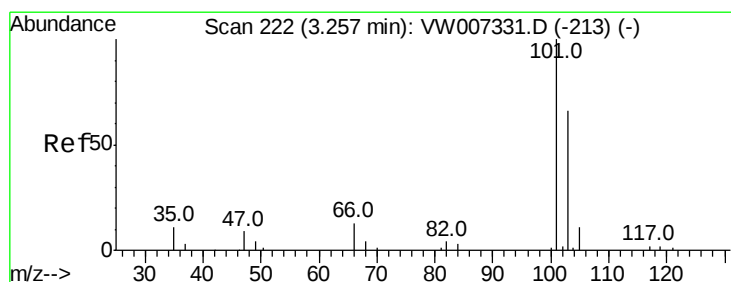
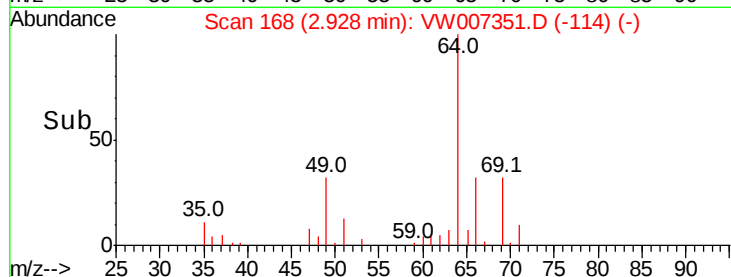
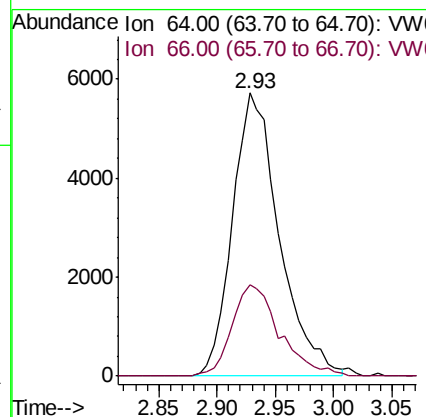
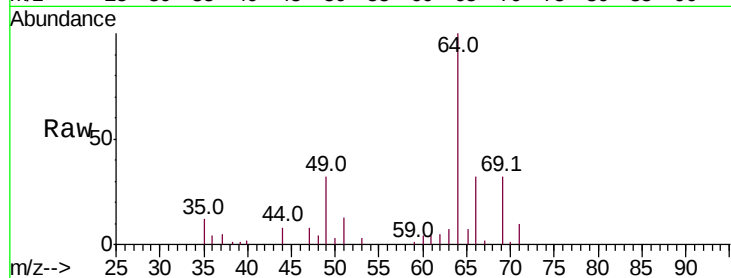
ClientSampleId :

Tot Ion: 64 Resp: 16013

Ion Ratio Lower Upper

64 100

66 32.2 23.2 43.2



#9

Trichlorofluoromethane

Concen: 24.835 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.01 min

Lab File: VW007351.D

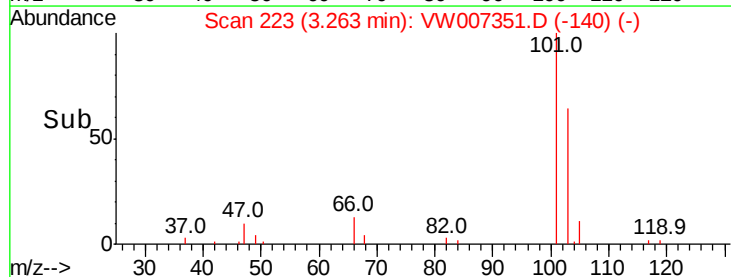
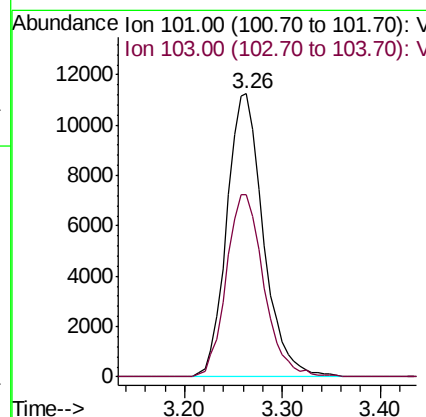
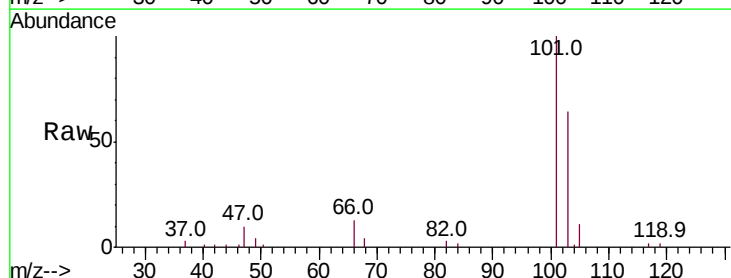
Acq: 10 Dec 2018 11:45

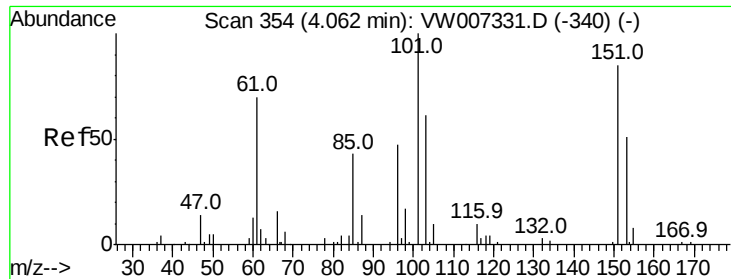
Tgt Ion: 101 Resp: 29157

Ion Ratio Lower Upper

101 100

103 66.0 44.7 82.9





#11

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

Concen: 25.054 ug/L

RT: 4.07 min Scan# 355

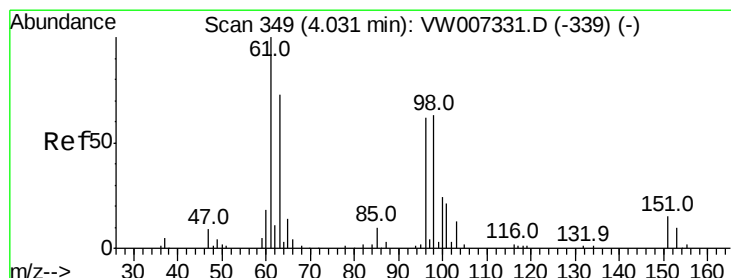
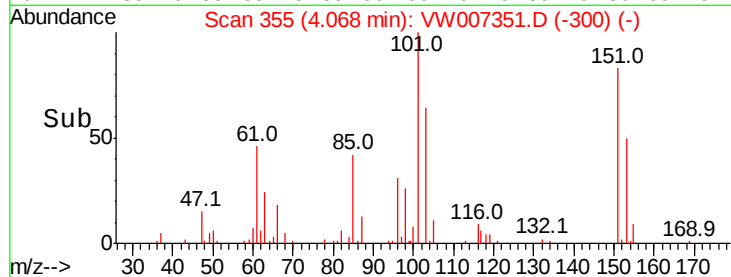
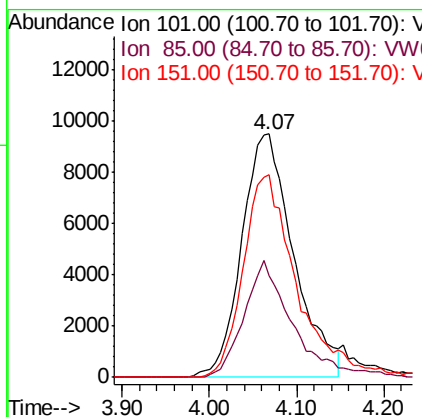
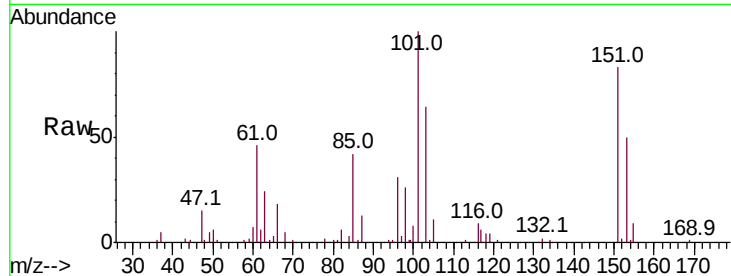
Delta R.T. 0.01 min

Lab File: VW007351.D

Acq: 10 Dec 2018 11:45

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:	101	Resp:	39210
Ion Ratio	Lower	Upper	
101	100		
85	40.9	35.4	53.2
151	80.3	64.8	97.2



#12

1,1-Dichloroethene

Concen: 26.365 ug/L

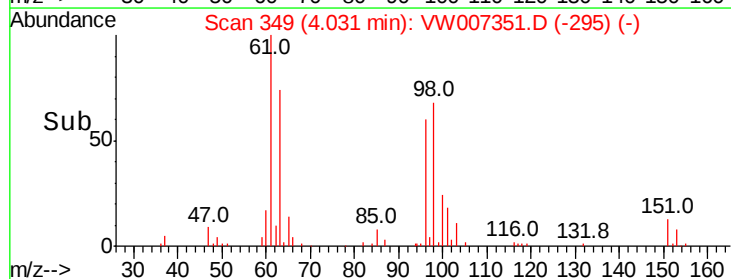
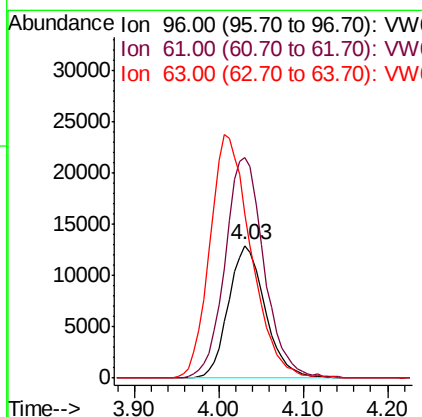
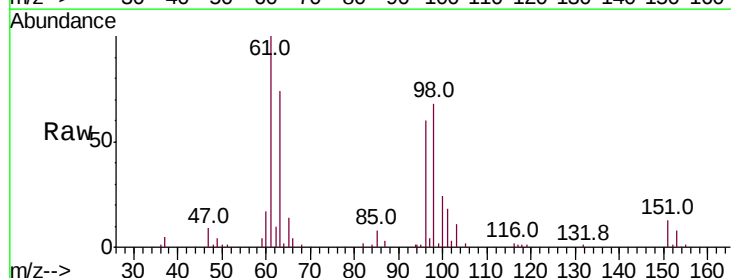
RT: 4.03 min Scan# 349

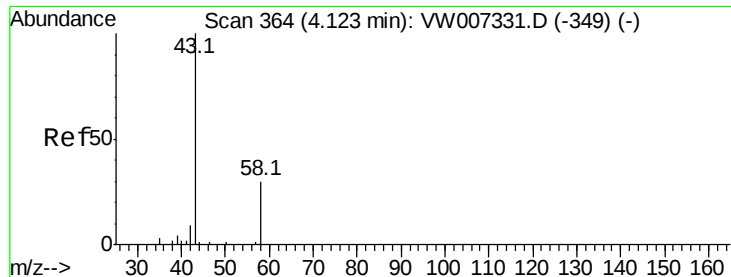
Delta R.T. -0.00 min

Lab File: VW007351.D

Acq: 10 Dec 2018 11:45

Tgt Ion:	96	Resp:	38394
Ion Ratio	Lower	Upper	
96	100		
61	166.7	117.2	217.8
63	123.8	89.7	166.7





#13

Acetone

Concen: 44.697 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW007351.D

Acq: 10 Dec 2018 11:45

Instrument :

MSVOA_W

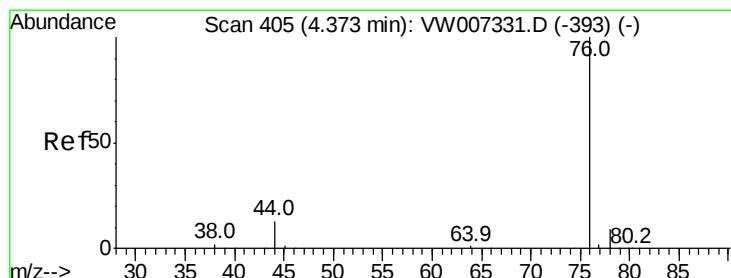
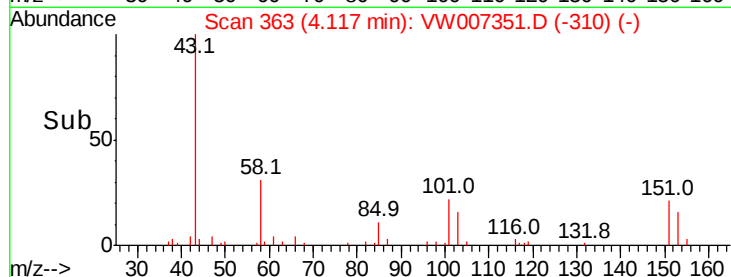
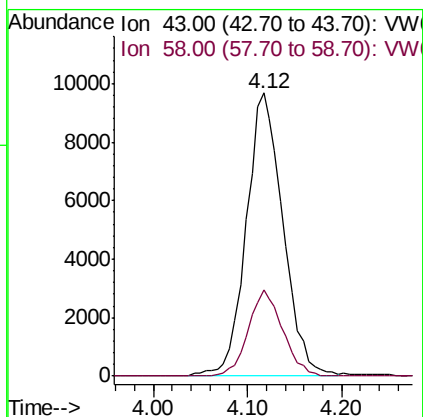
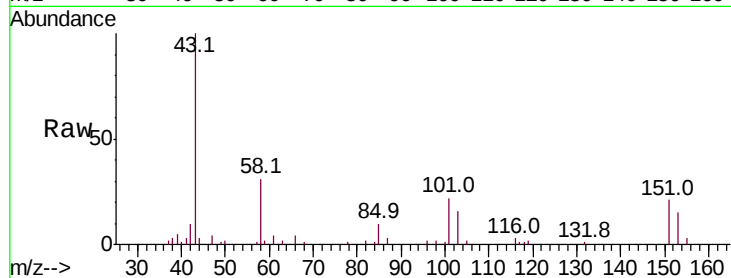
ClientSampleId :

Tot Ion: 43 Resp: 26460

Ion Ratio Lower Upper

43 100

58 28.5 0.0 59.2



#14

Carbon disulfide

Concen: 27.547 ug/L

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW007351.D

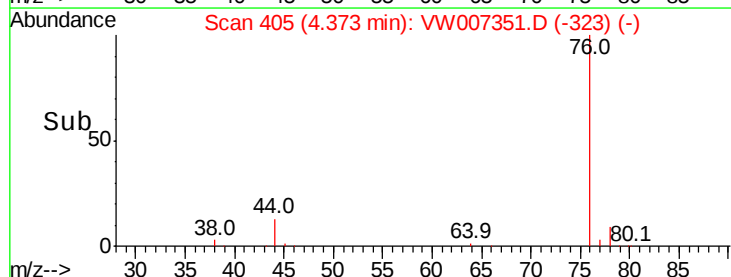
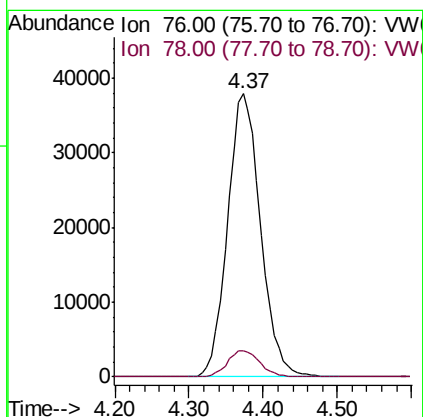
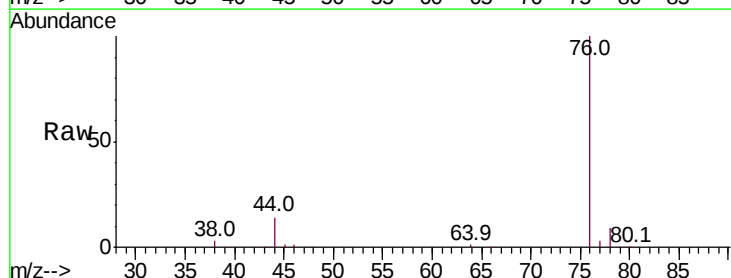
Acq: 10 Dec 2018 11:45

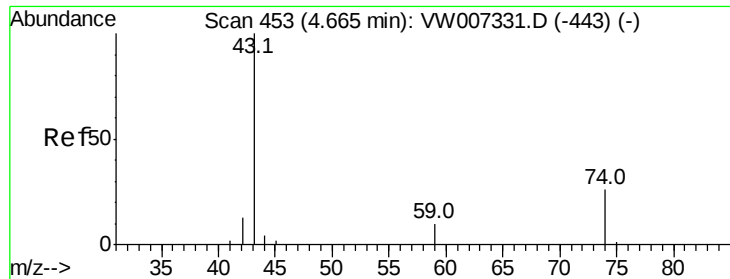
Tgt Ion: 76 Resp: 117130

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9

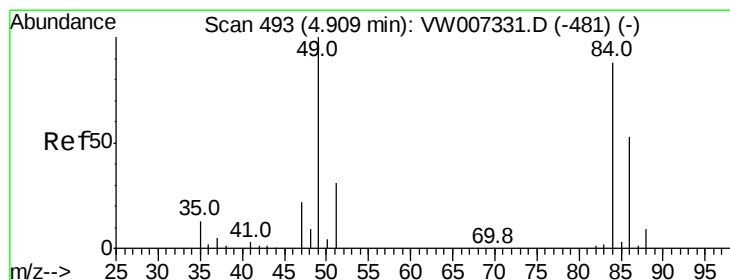
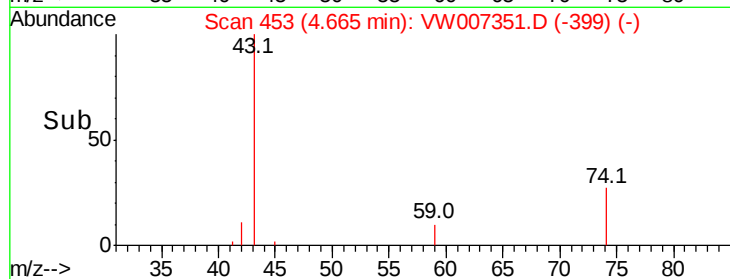
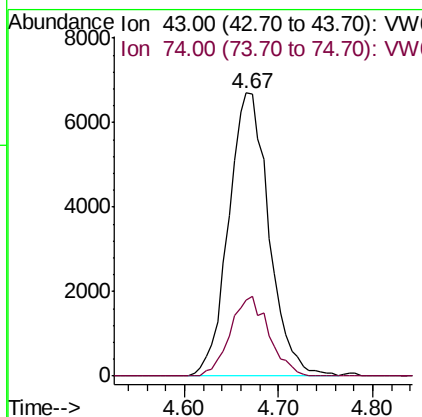
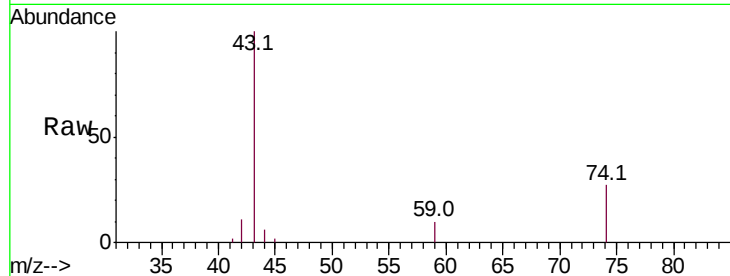




#15
Methyl Acetate
Concen: 22.511 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW007351.D
Acq: 10 Dec 2018 11:45

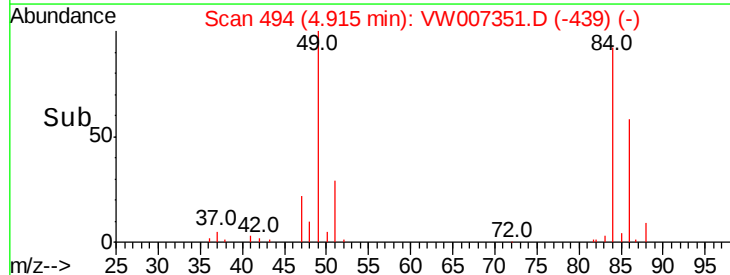
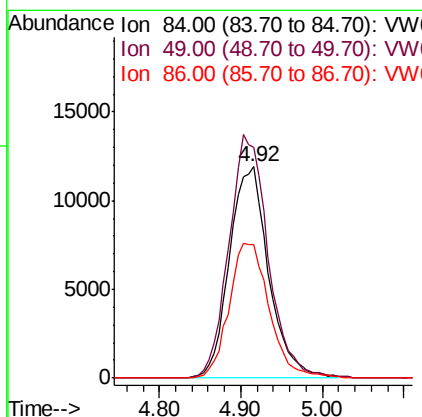
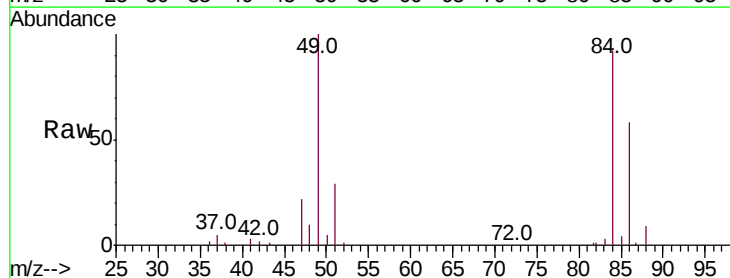
Instrument :
MSVOA_W
ClientSampleId :

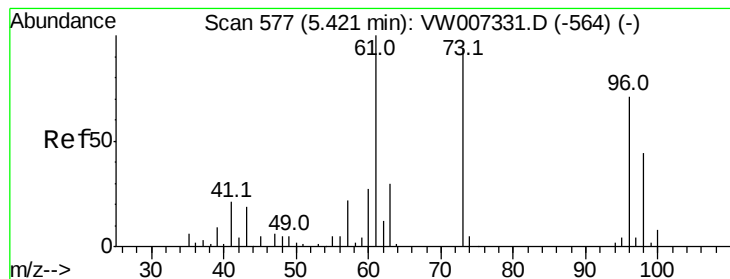
Tot Ion: 43 Resp: 19983
Ion Ratio Lower Upper
43 100
74 27.0 0.1 0.1#



#16
Methylene chloride
Concen: 19.867 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW007351.D
Acq: 10 Dec 2018 11:45

Tgt Ion: 84 Resp: 39804
Ion Ratio Lower Upper
84 100
49 109.0 80.8 150.2
86 63.0 45.8 85.2



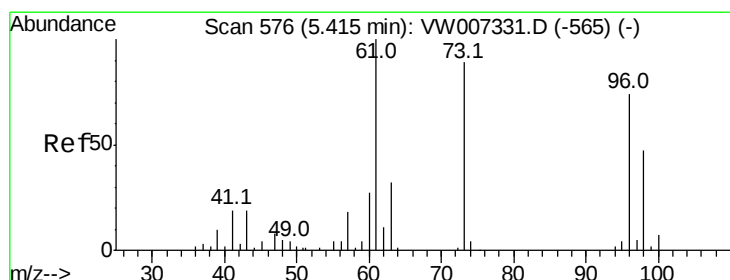
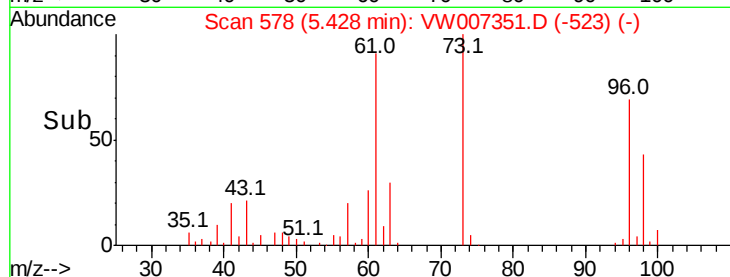
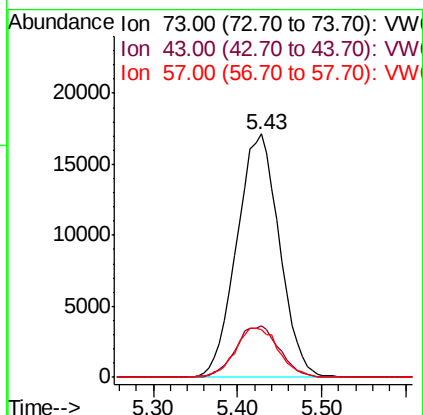
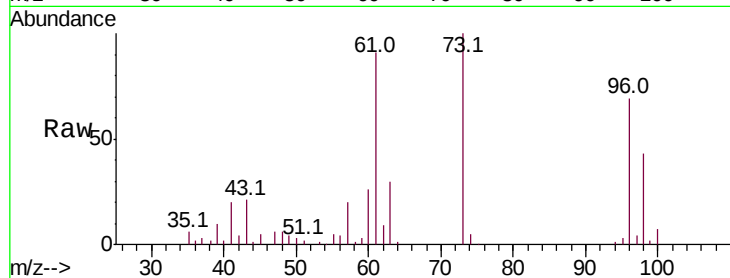


#17

Methvl tert-butvl Ether
 Concen: 24.952 ug/L
 RT: 5.43 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: VW007351.D
 Acq: 10 Dec 2018 11:45

Instrument :
 MSVOA_W
 ClientSampled :

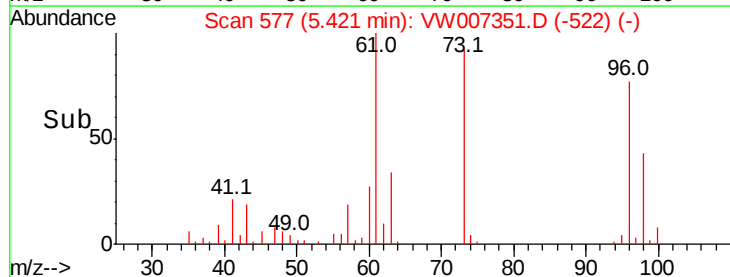
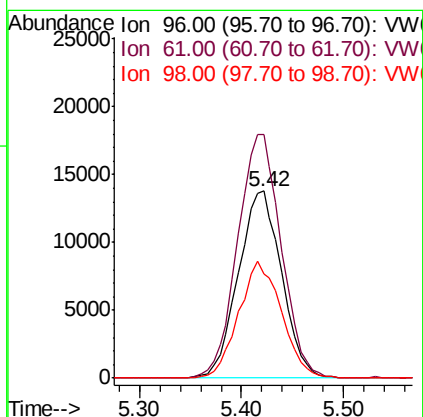
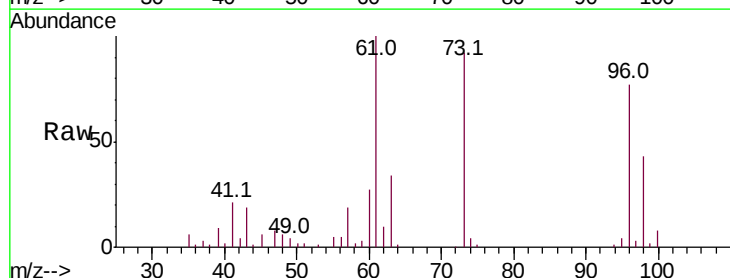
Tot Ion: 73 Resp: 59085
 Ion Ratio Lower Upper
 73 100
 43 21.6 17.3 25.9
 57 20.6 17.0 25.6

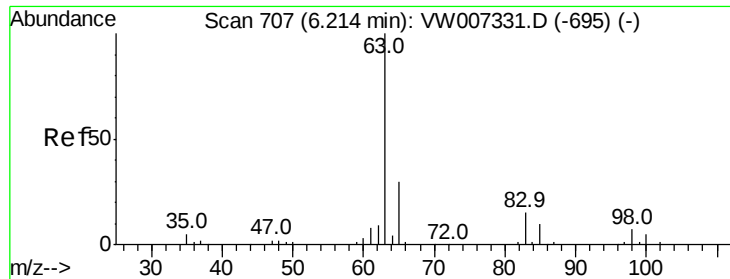


#18

trans-1,2-Dichloroethene
 Concen: 25.977 ug/L
 RT: 5.42 min Scan# 577
 Delta R.T. 0.01 min
 Lab File: VW007351.D
 Acq: 10 Dec 2018 11:45

Tgt Ion: 96 Resp: 40583
 Ion Ratio Lower Upper
 96 100
 61 130.1 94.6 175.8
 98 55.7 45.1 83.7

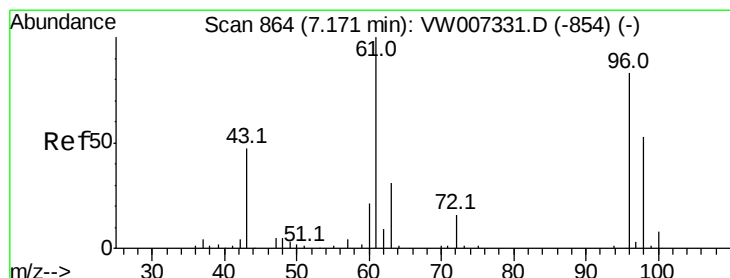
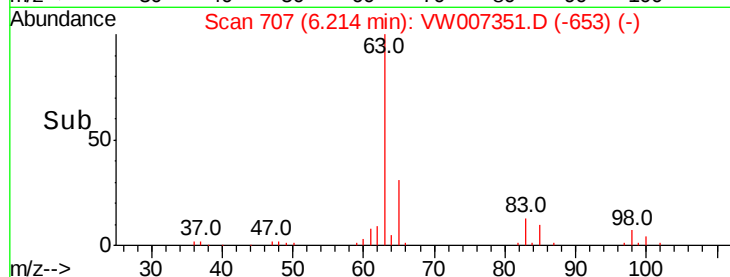
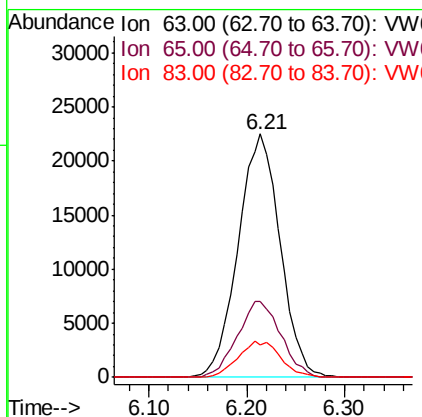
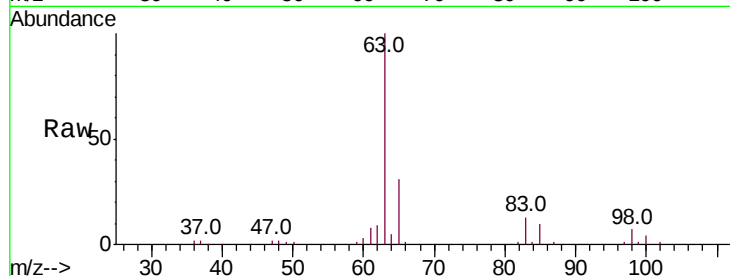




#19
 1,1-Dichloroethane
 Concen: 25.195 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW007351.D
 Acq: 10 Dec 2018 11:45

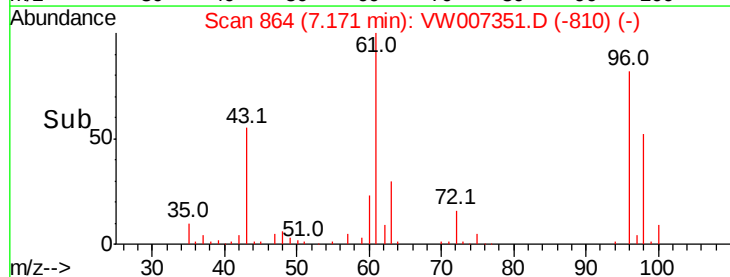
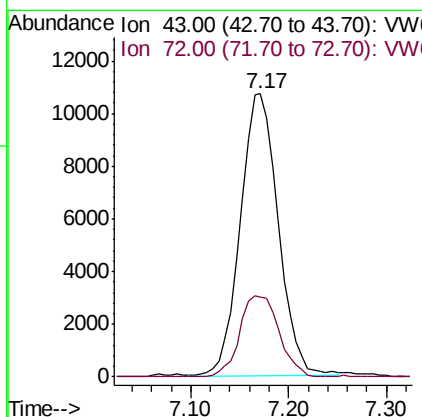
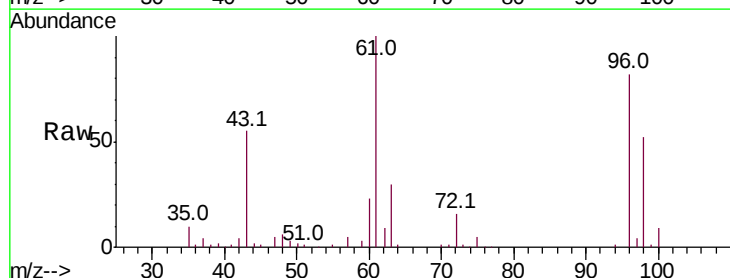
Instrument :
 MSVOA_W
 ClientSampleId :

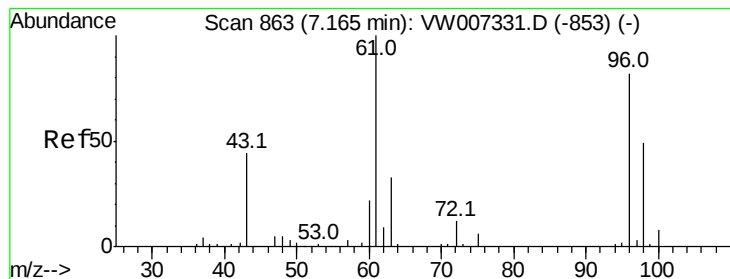
Tot Ion: 63 Resp: 67095
 Ion Ratio Lower Upper
 63 100
 65 31.2 22.1 41.1
 83 13.1 9.8 18.2



#21
 2-Butanone
 Concen: 45.441 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW007351.D
 Acq: 10 Dec 2018 11:45

Tgt Ion: 43 Resp: 28913
 Ion Ratio Lower Upper
 43 100
 72 29.7 14.7 44.1



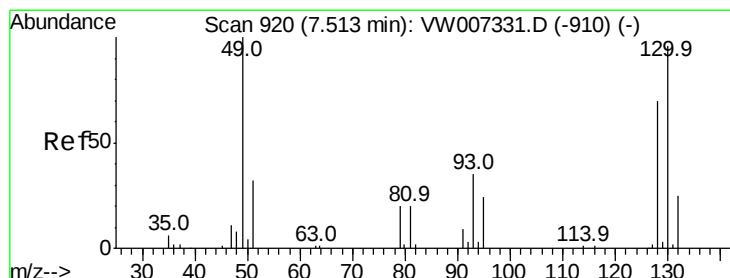
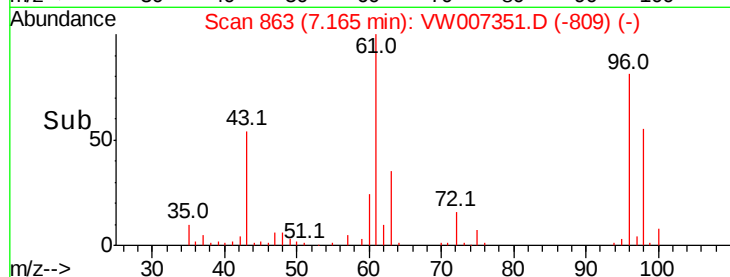
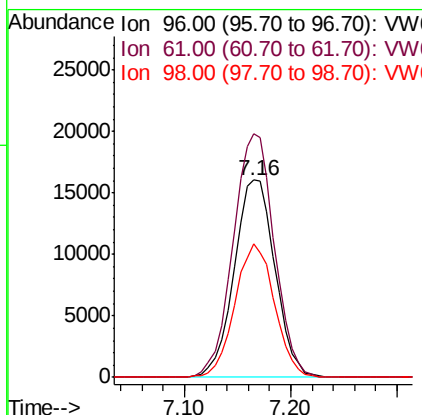
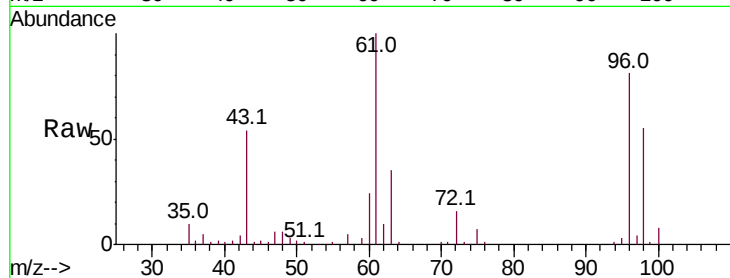


#22

cis-1,2-Dichloroethene
Concen: 25.191 ug/L
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW007351.D
Acq: 10 Dec 2018 11:45

Instrument :
MSVOA_W
ClientSampleId :

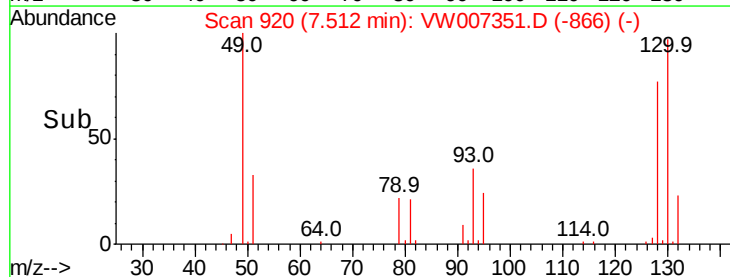
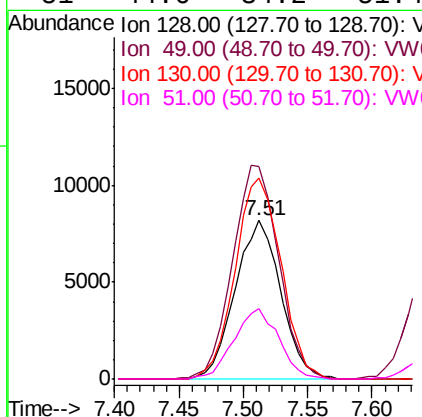
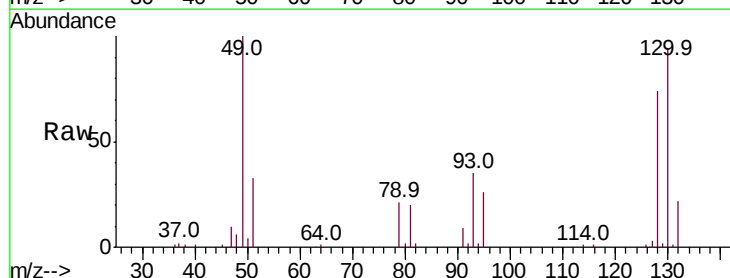
Tot Ion: 96 Resp: 43308
Ion Ratio Lower Upper
96 100
61 123.6 84.6 157.2
98 67.9 42.9 79.7

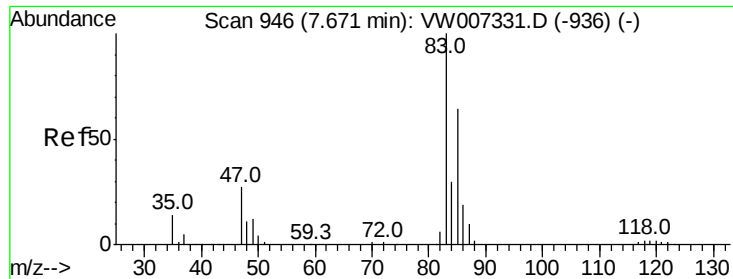


#23

Bromochloromethane
Concen: 25.667 ug/L
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW007351.D
Acq: 10 Dec 2018 11:45

Tgt Ion:128 Resp: 20116
Ion Ratio Lower Upper
128 100
49 134.5 102.3 190.1
130 126.4 88.0 163.4
51 44.6 34.2 51.4

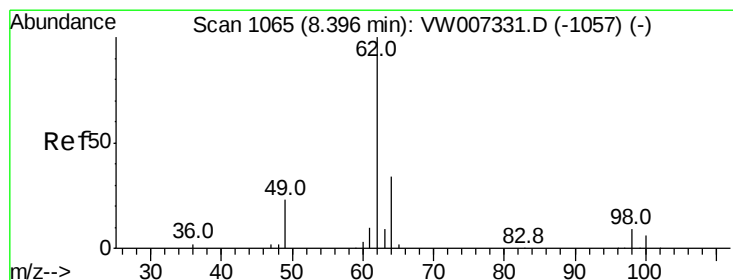
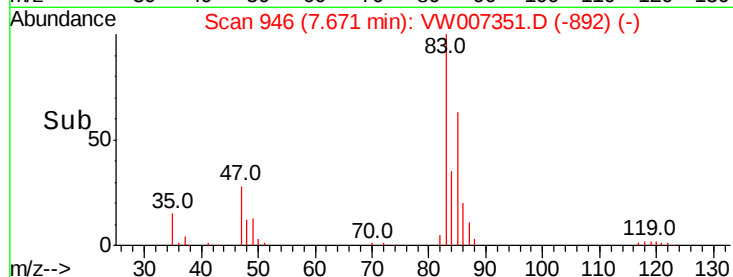
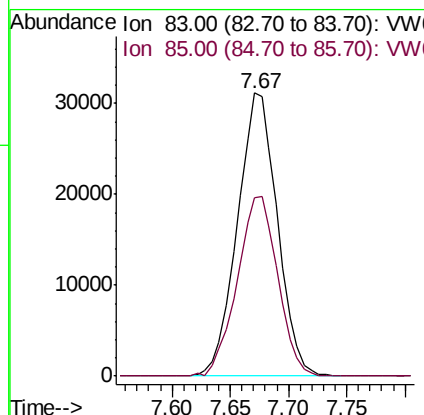
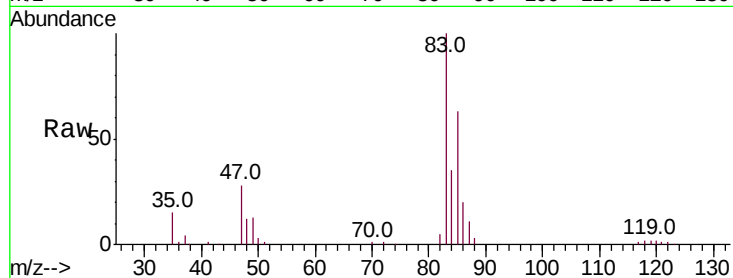




#25
Chloroform
Concen: 25.840 ug/L
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW007351.D
Acq: 10 Dec 2018 11:45

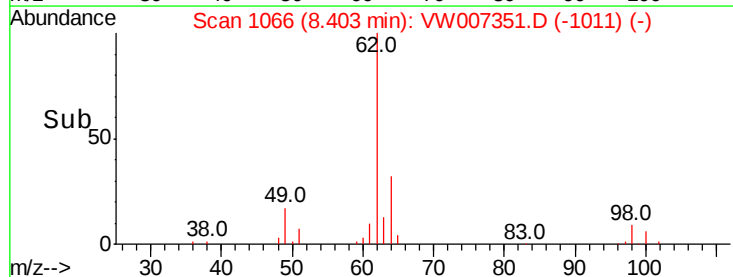
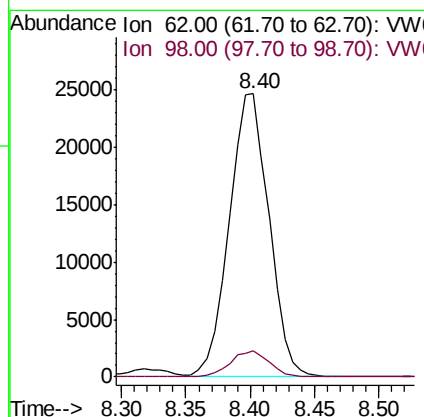
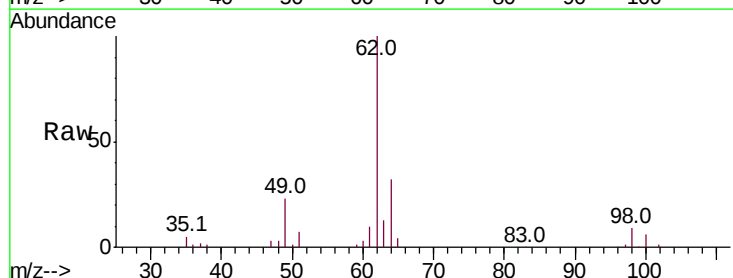
Instrument :
MSVOA_W
ClientSampled :

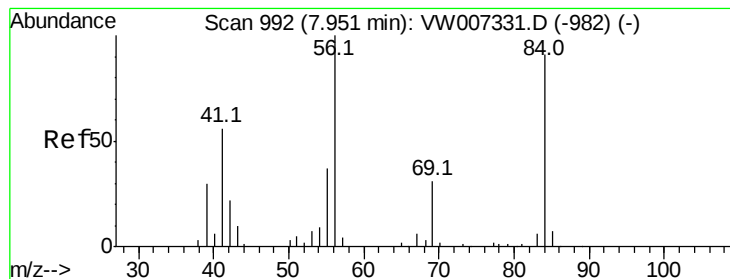
Tot Ion: 83 Resp: 74456
Ion Ratio Lower Upper
83 100
85 64.2 46.0 85.4



#27
1,2-Dichloroethane
Concen: 25.679 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW007351.D
Acq: 10 Dec 2018 11:45

Tgt Ion: 62 Resp: 52891
Ion Ratio Lower Upper
62 100
98 9.4 6.9 10.3





#30

Cyclohexane

Concen: 26.492 ug/L

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW007351.D

Acq: 10 Dec 2018 11:45

Instrument :
MSVOA_W
ClientSampled :

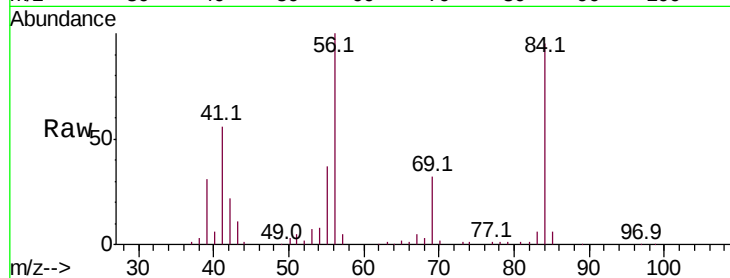
Tot Ion: 56 Resp: 63846

Ion Ratio Lower Upper

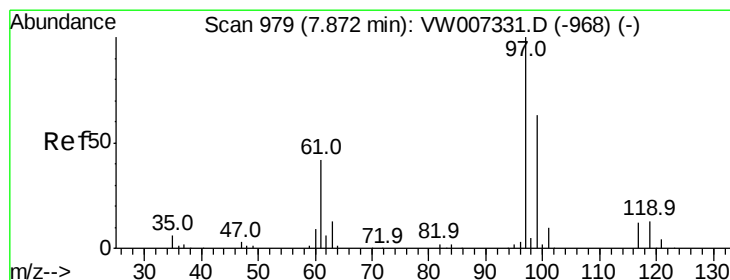
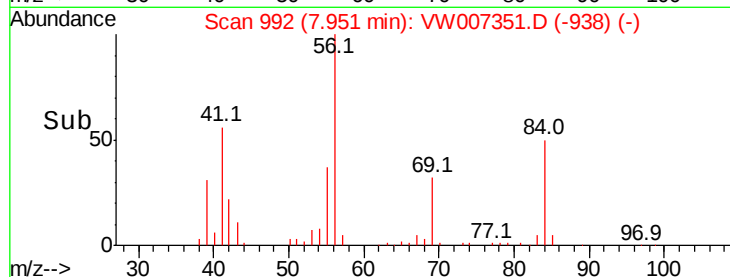
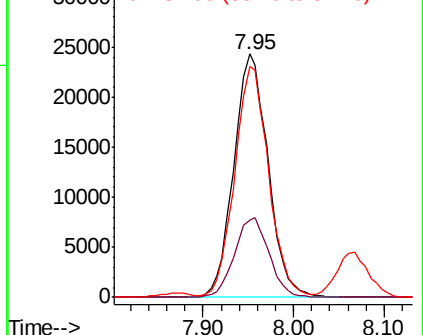
56 100

69 32.9 26.0 39.0

84 93.8 73.6 110.4



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: 28.953 ug/L

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW007351.D

Acq: 10 Dec 2018 11:45

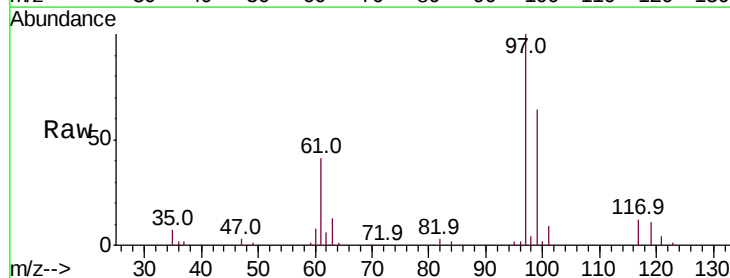
Tgt Ion: 97 Resp: 68458

Ion Ratio Lower Upper

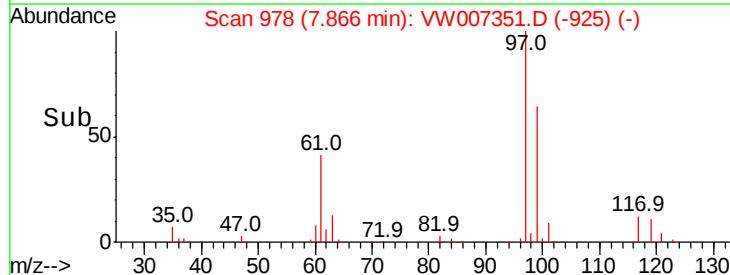
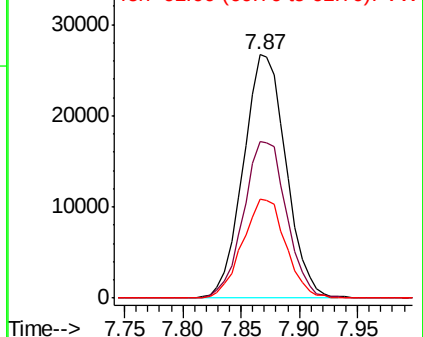
97 100

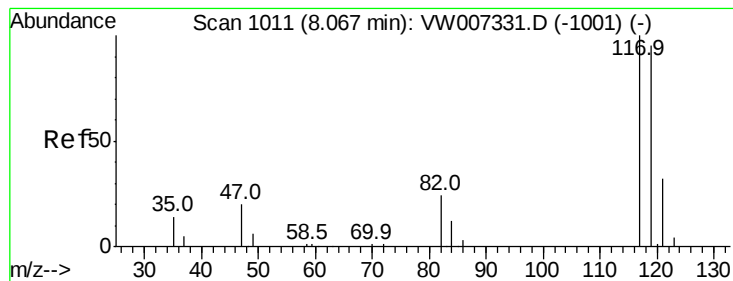
99 64.9 51.3 76.9

61 41.1 33.2 49.8



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: 29.269 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW007351.D

Acq: 10 Dec 2018 11:45

Instrument :

MSVOA_W

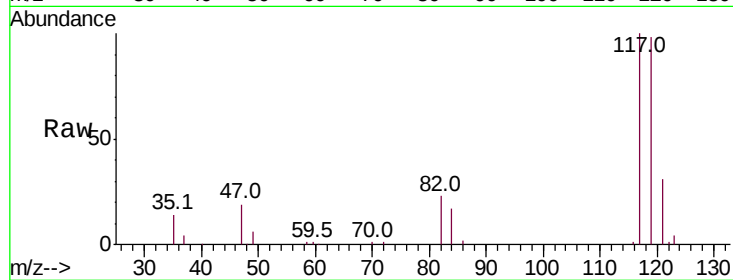
ClientSampled :

Tot Ion:117 Resp: 66875

Ion Ratio Lower Upper

117 100

119 95.1 75.3 112.9



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

30000

25000

20000

15000

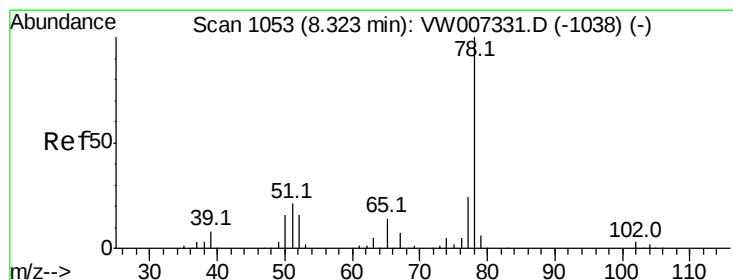
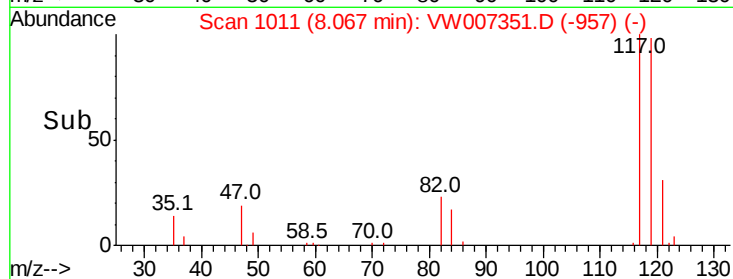
10000

5000

0

Time-->

8.00 8.10



#34

Benzene

Concen: 26.876 ug/L

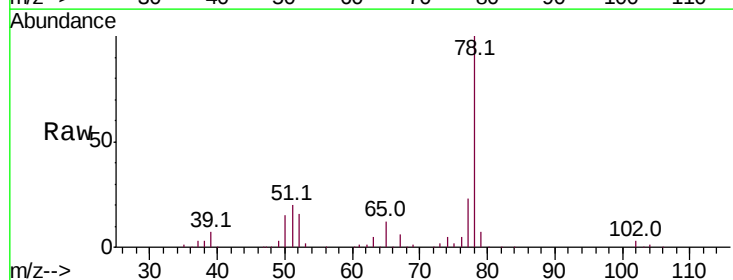
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW007351.D

Acq: 10 Dec 2018 11:45

Tgt Ion: 78 Resp: 154756



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32

80000

60000

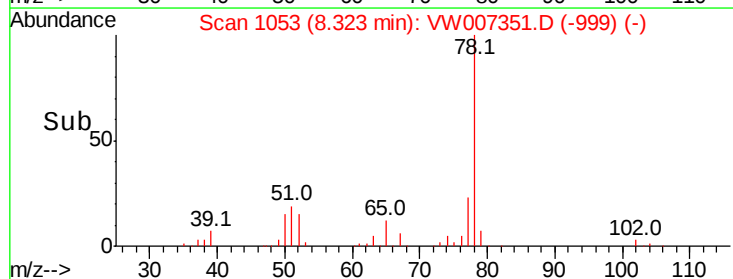
40000

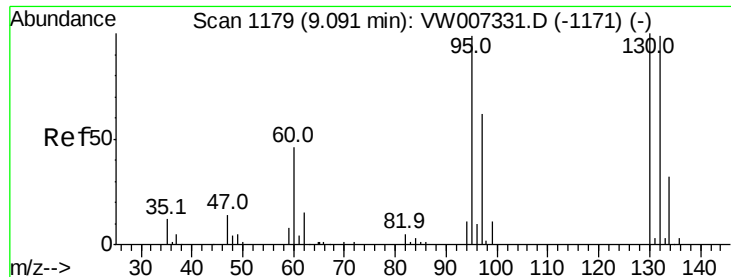
20000

0

Time-->

8.20 8.30 8.40





#35

Trichloroethene

Concen: 27.488 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW007351.D

Acq: 10 Dec 2018 11:45

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 95 Resp: 45388

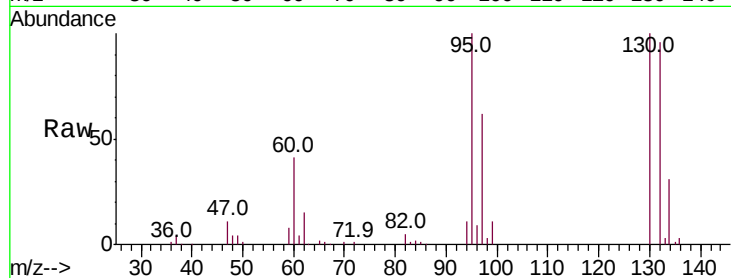
Ion Ratio Lower Upper

95 100

97 63.4 45.8 85.0

132 96.1 68.0 126.4

130 101.3 71.6 133.0

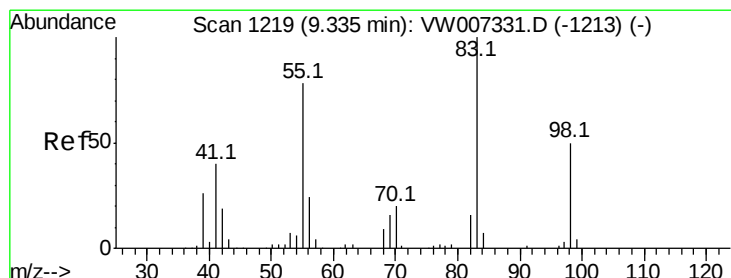
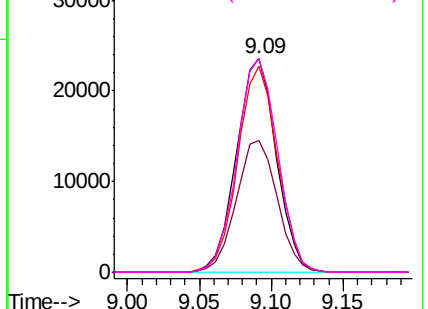
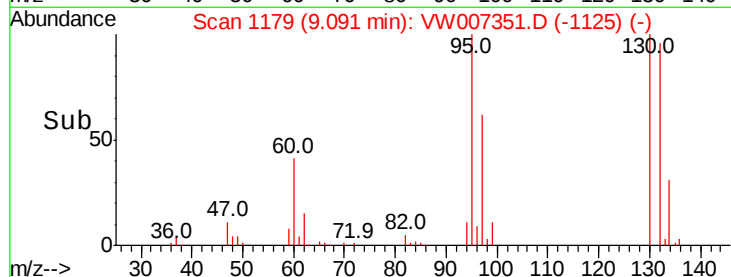


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 26.536 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW007351.D

Acq: 10 Dec 2018 11:45

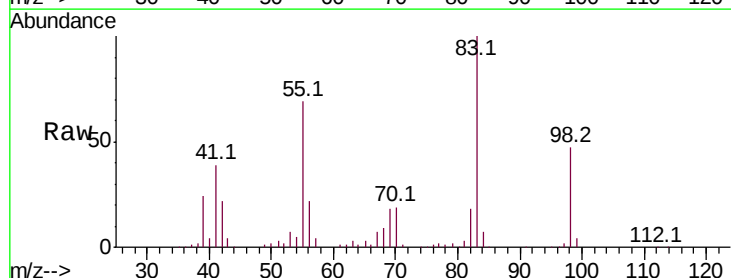
Tgt Ion: 83 Resp: 75638

Ion Ratio Lower Upper

83 100

55 71.5 59.4 89.2

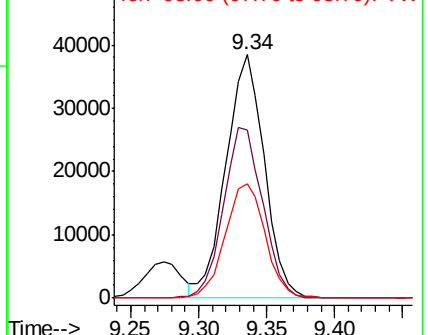
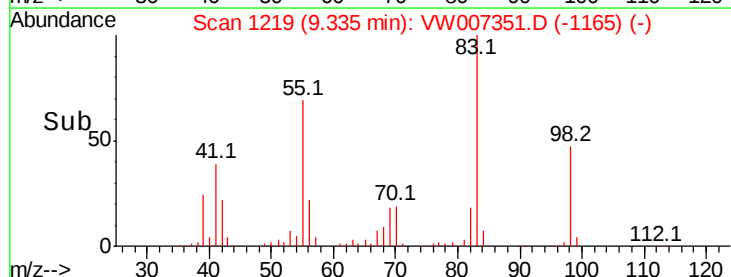
98 48.8 38.1 57.1

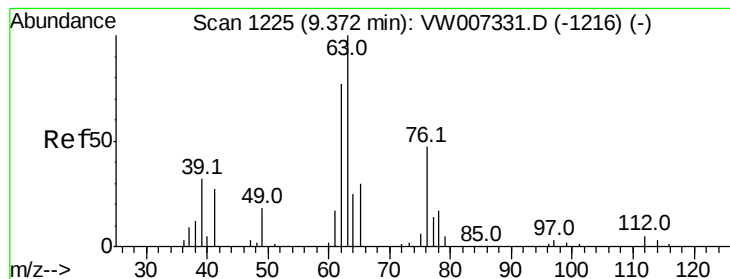


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 26.783 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW007351.D

Acq: 10 Dec 2018 11:45

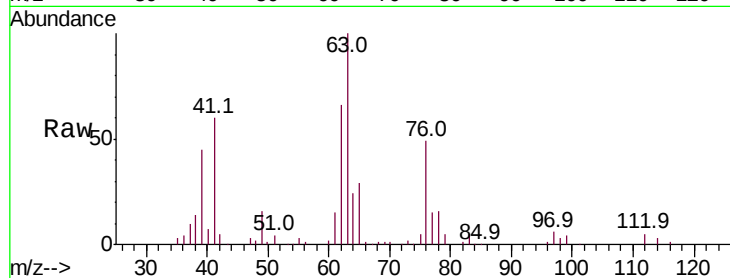
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 63 Resp: 37725

Ion Ratio Lower Upper

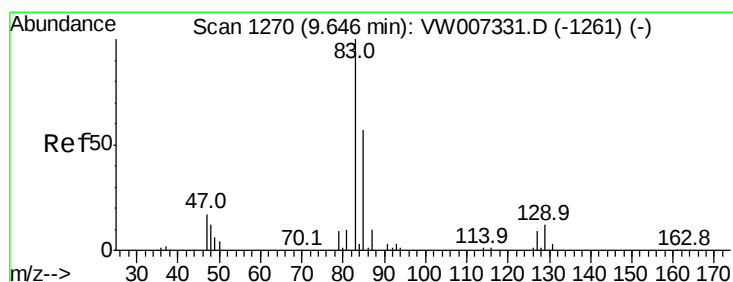
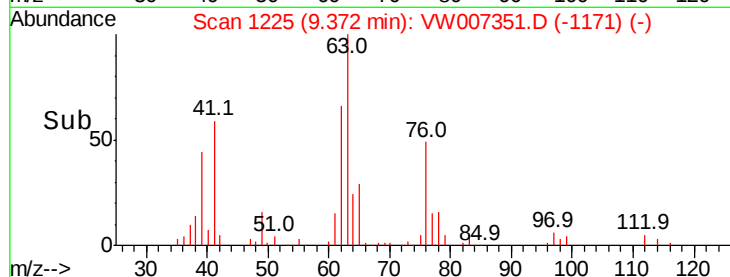
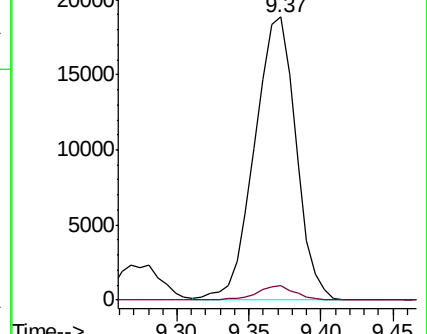
63 100

112 4.7 3.6 5.4



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 27.064 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW007351.D

Acq: 10 Dec 2018 11:45

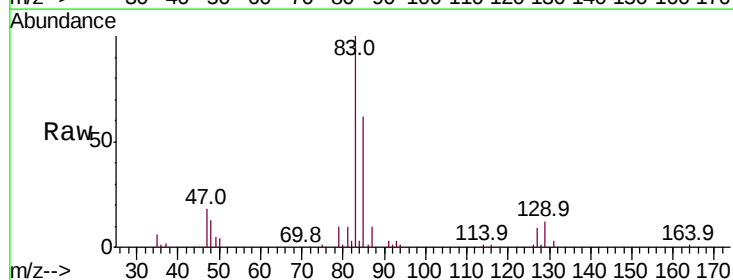
Tgt Ion: 83 Resp: 54737

Ion Ratio Lower Upper

83 100

85 62.3 44.9 83.5

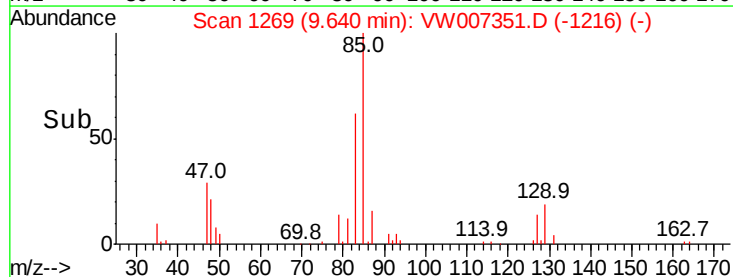
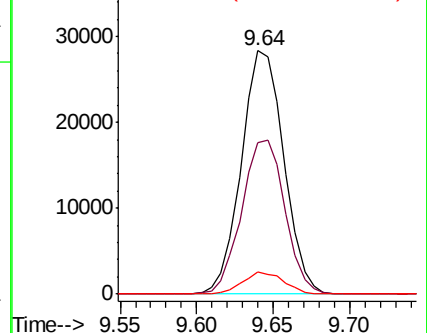
127 9.0 7.4 11.2

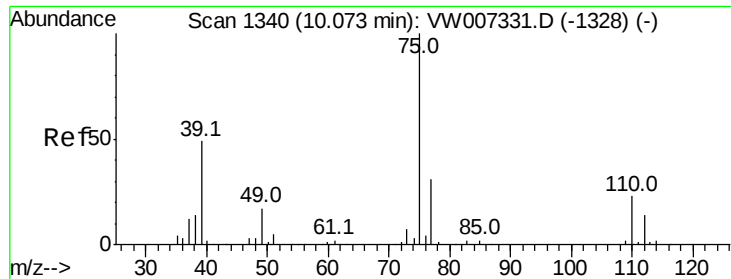


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 26.460 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW007351.D

Acq: 10 Dec 2018 11:45

Instrument :

MSVOA_W

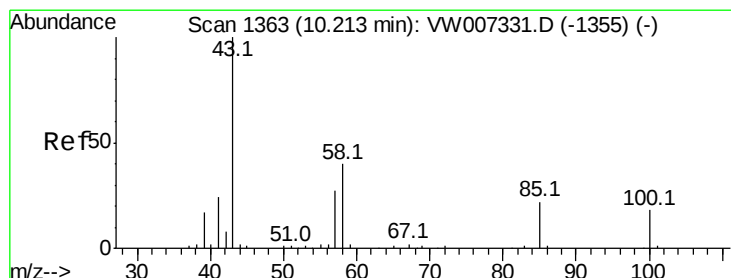
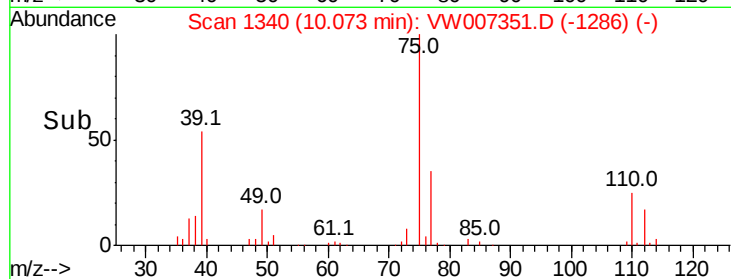
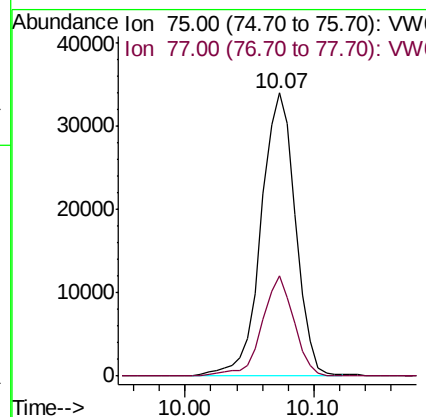
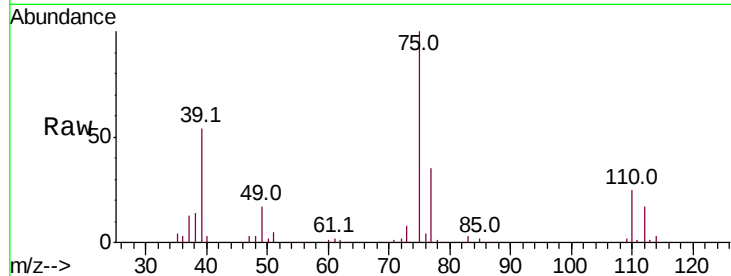
ClientSampleId :

Tot Ion: 75 Resp: 62591

Ion Ratio Lower Upper

75 100

77 35.3 23.0 42.6



#43

4-Methyl-2-pentanone

Concen: 49.442 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW007351.D

Acq: 10 Dec 2018 11:45

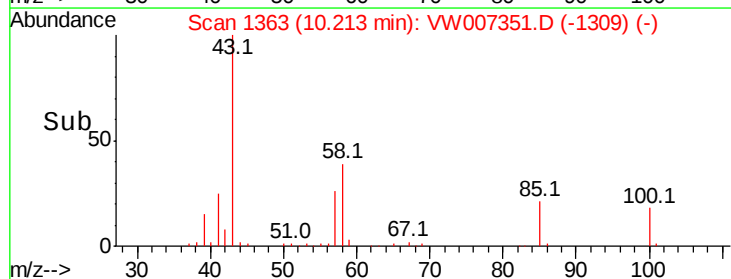
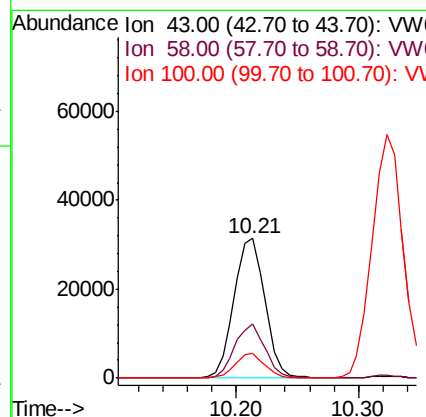
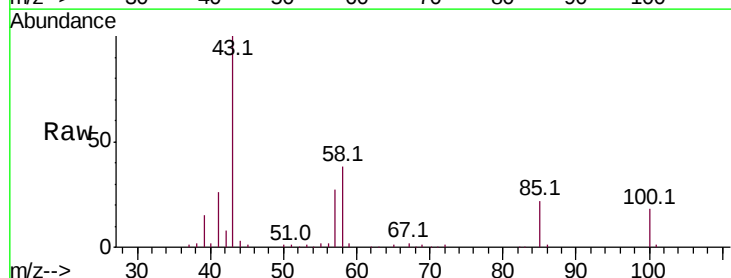
Tgt Ion: 43 Resp: 55121

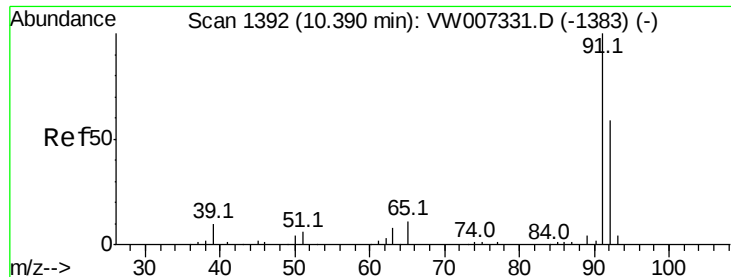
Ion Ratio Lower Upper

43 100

58 37.5 32.6 48.8

100 17.0 13.8 20.8





#44

Toluene

Concen: 27.875 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW007351.D

Acq: 10 Dec 2018 11:45

Instrument :

MSVOA_W

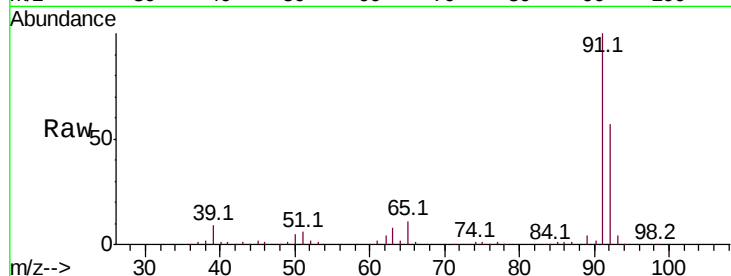
ClientSampled :

Tot Ion: 91 Resp: 173009

Ion Ratio Lower Upper

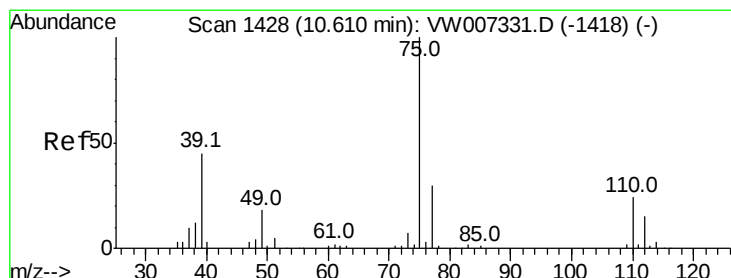
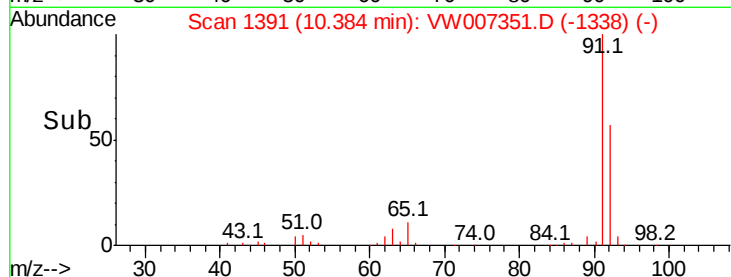
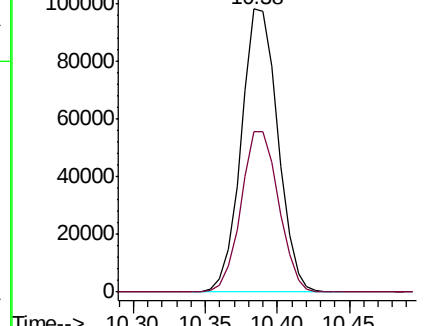
91 100

92 56.7 38.2 71.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW



#45

trans-1,3-Dichloropropene

Concen: 27.012 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.01 min

Lab File: VW007351.D

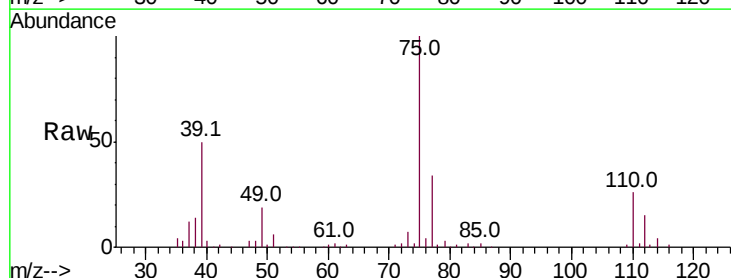
Acq: 10 Dec 2018 11:45

Tgt Ion: 75 Resp: 56113

Ion Ratio Lower Upper

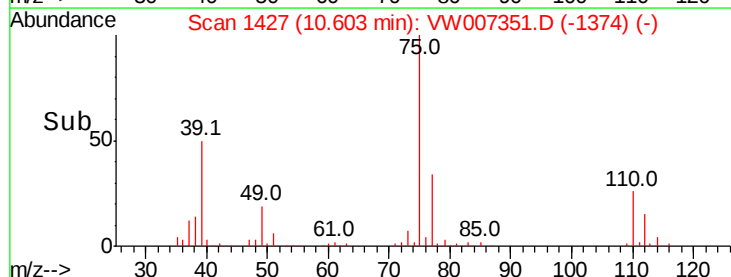
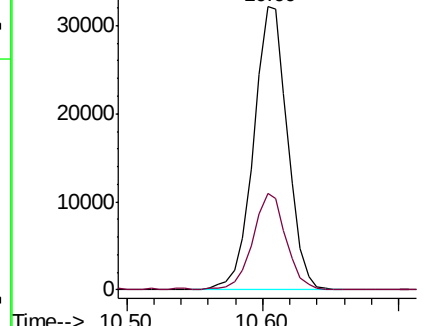
75 100

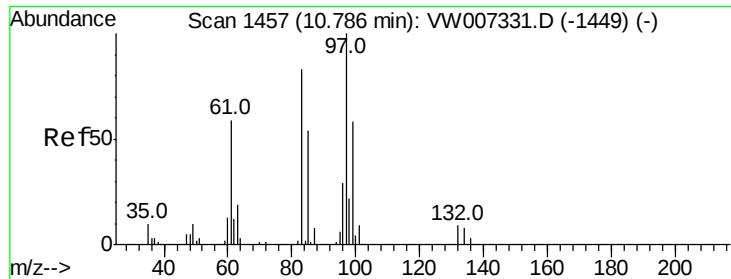
77 34.3 22.6 42.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#46

1,1,2-Trichloroethane

Concen: 26.294 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW007351.D

Acq: 10 Dec 2018 11:45

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 30496

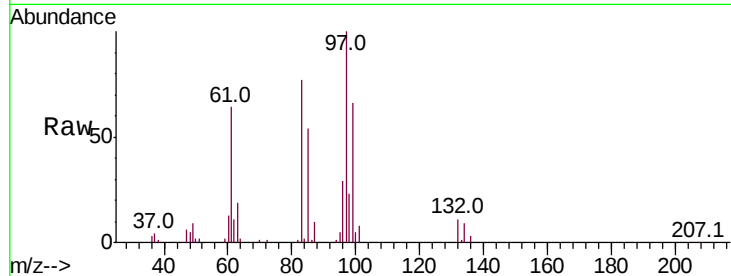
Ion Ratio Lower Upper

97 100

83 76.7 61.2 113.8

85 54.4 42.5 78.9

99 66.4 45.7 84.9

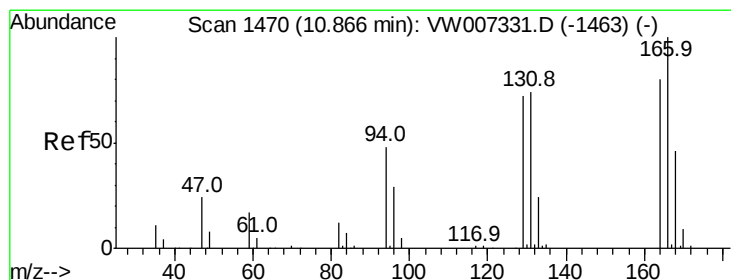
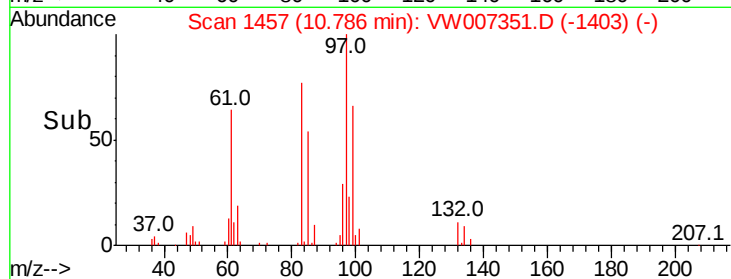
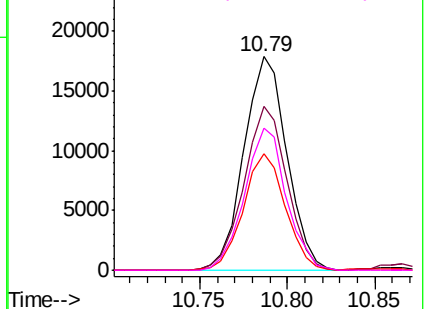


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 27.557 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VW007351.D

Acq: 10 Dec 2018 11:45

Tgt Ion:164 Resp: 34371

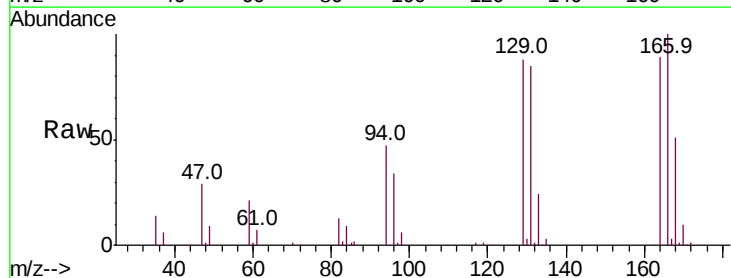
Ion Ratio Lower Upper

164 100

129 97.9 70.8 131.6

131 94.8 70.4 130.8

166 111.8 84.2 156.4

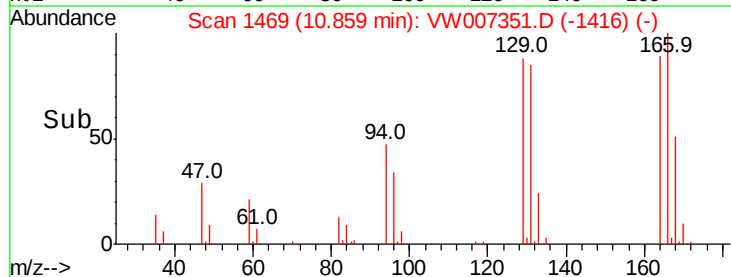
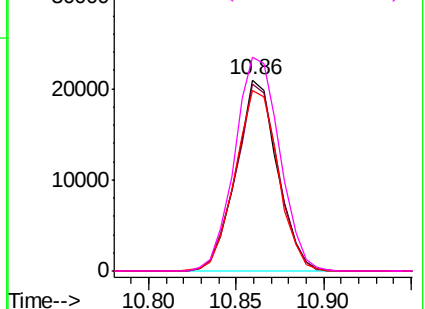


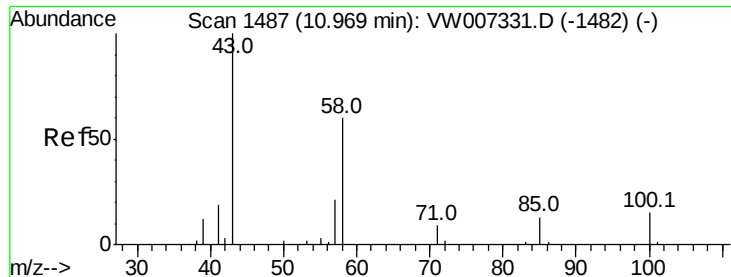
Abundance Ion 164.00 (163.70 to 164.70): V

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: 51.090 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW007351.D

Acq: 10 Dec 2018 11:45

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 43 Resp: 40032

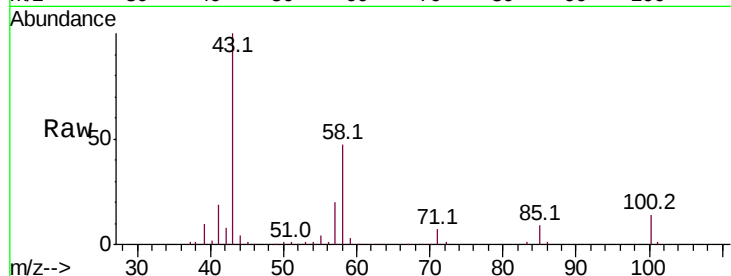
Ion Ratio Lower Upper

43 100

58 51.4 47.2 70.8

57 19.8 17.6 26.4

100 13.6 12.2 18.2



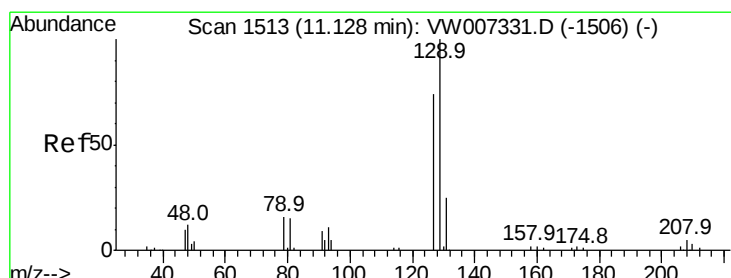
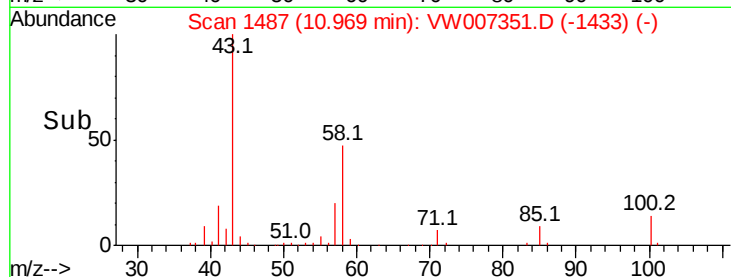
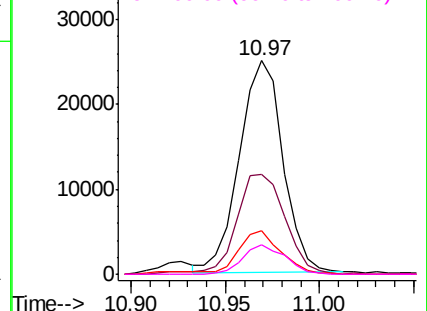
Abundance

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: 26.601 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW007351.D

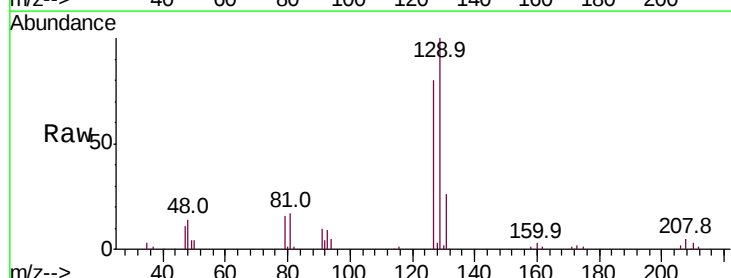
Acq: 10 Dec 2018 11:45

Tgt Ion: 129 Resp: 37901

Ion Ratio Lower Upper

129 100

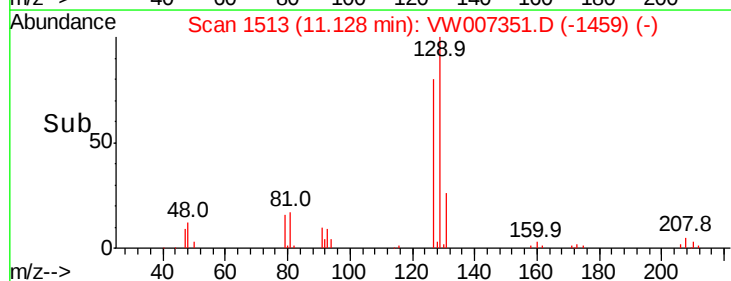
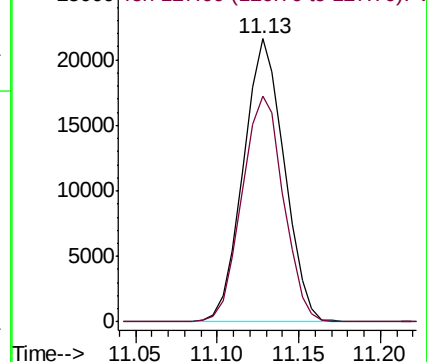
127 79.9 53.8 100.0

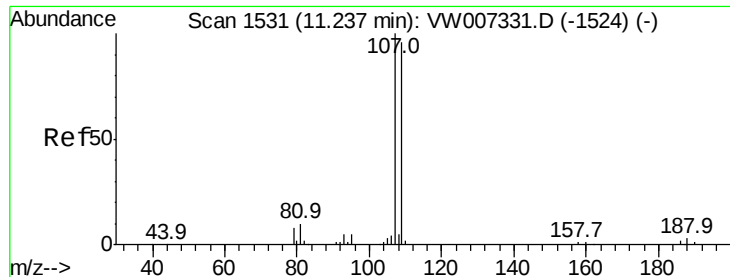


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

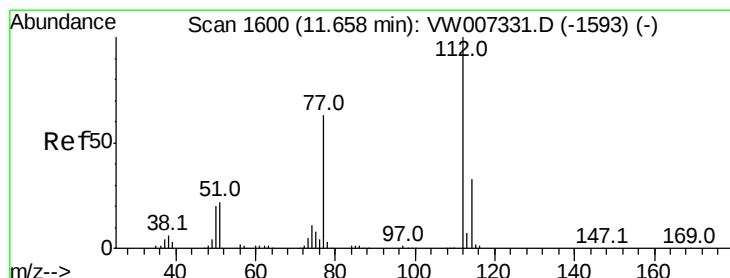
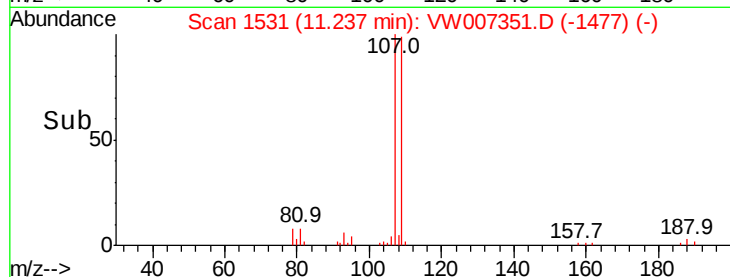
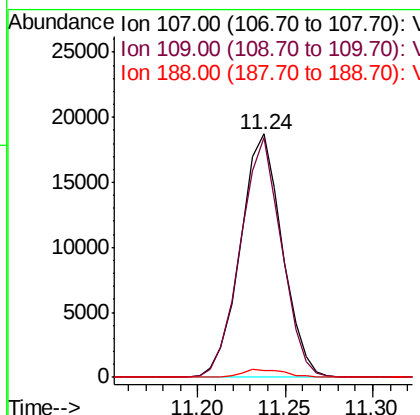
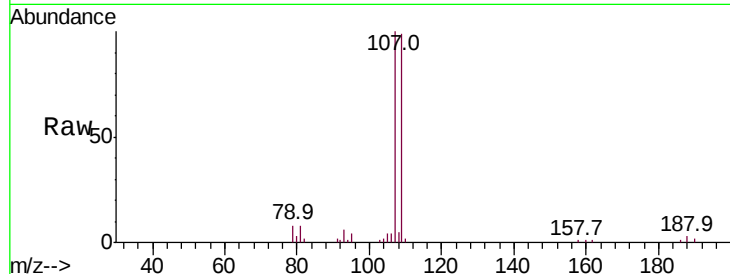




#51
1,2-Dibromoethane
Concen: 26.811 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW007351.D
Acq: 10 Dec 2018 11:45

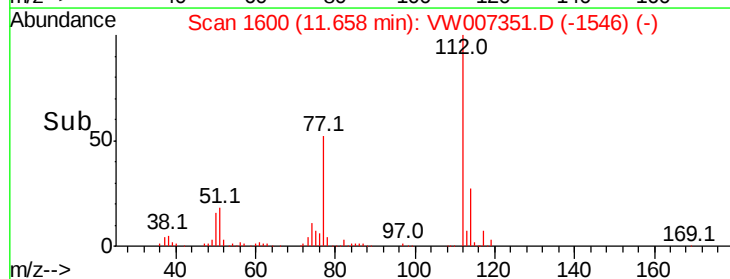
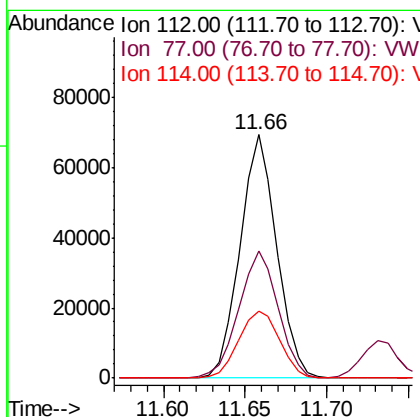
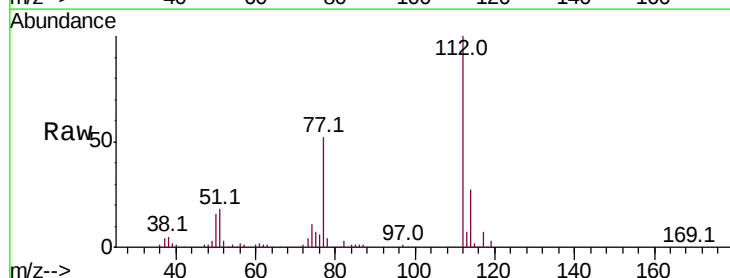
Instrument :
MSVOA_W
ClientSampleId :

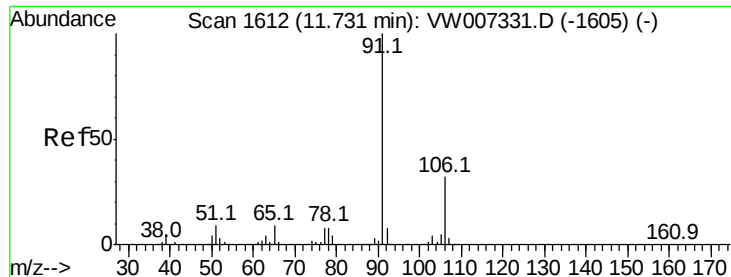
Tot Ion:107 Resp: 31230
Ion Ratio Lower Upper
107 100
109 98.6 67.6 125.6
188 3.0 2.6 4.0



#52
Chlorobenzene
Concen: 26.987 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007351.D
Acq: 10 Dec 2018 11:45

Tgt Ion:112 Resp: 108704
Ion Ratio Lower Upper
112 100
77 52.4 42.6 63.8
114 27.4 23.0 42.8





#53

Ethylbenzene

Concen: 28.004 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW007351.D

Acq: 10 Dec 2018 11:45

Instrument :

MSVOA_W

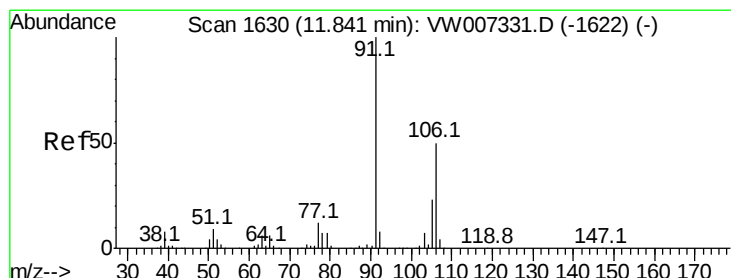
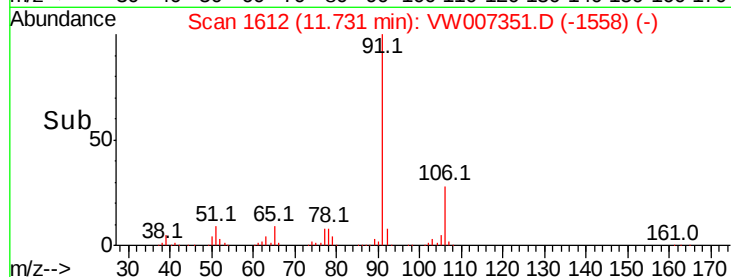
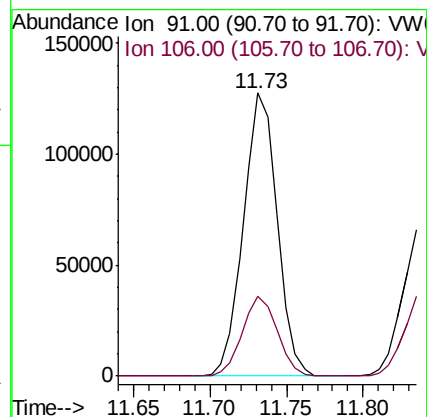
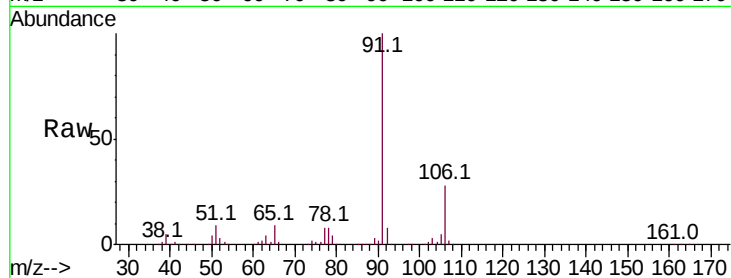
ClientSampleId :

Tot Ion: 91 Resp: 195435

Ion Ratio Lower Upper

91 100

106 28.4 20.2 37.4



#54

m,p-Xylene

Concen: 27.287 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW007351.D

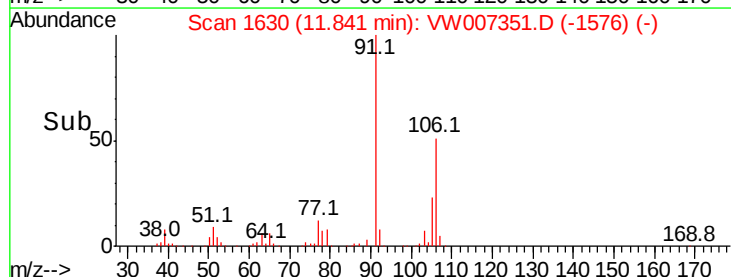
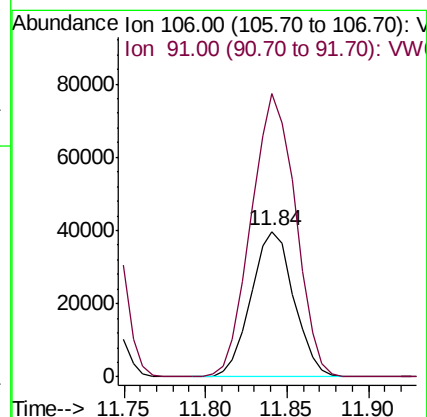
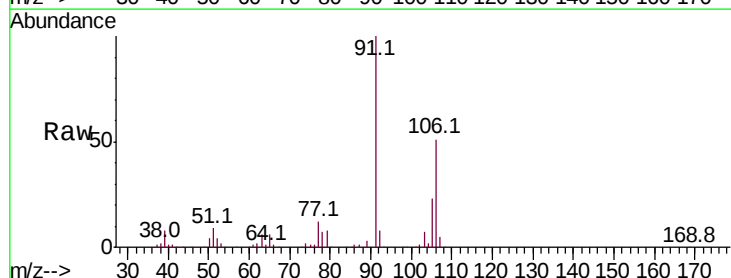
Acq: 10 Dec 2018 11:45

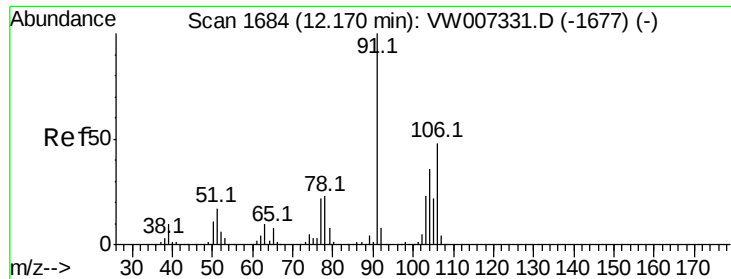
Tgt Ion: 106 Resp: 72340

Ion Ratio Lower Upper

106 100

91 194.6 132.2 245.6

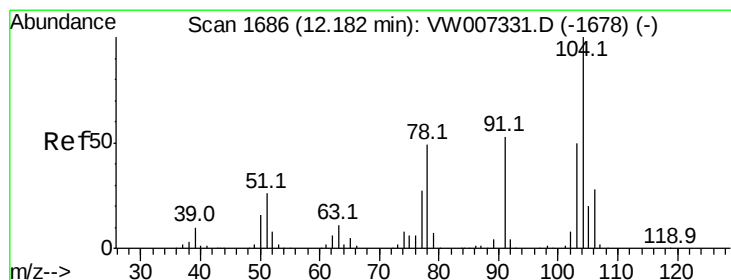
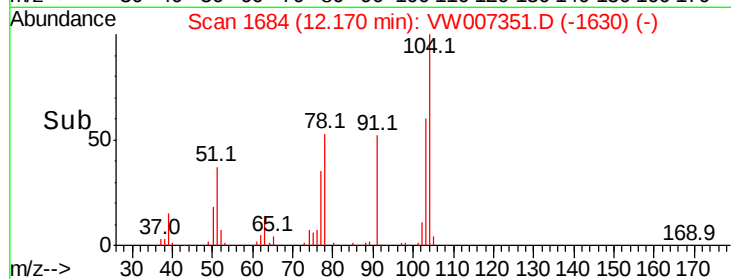
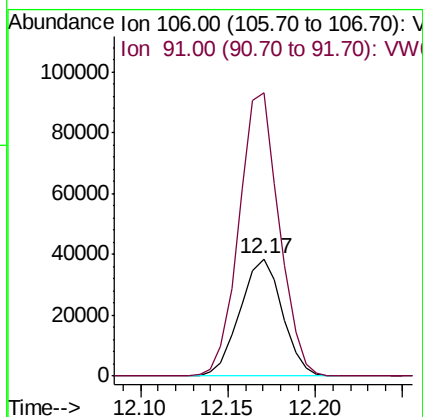
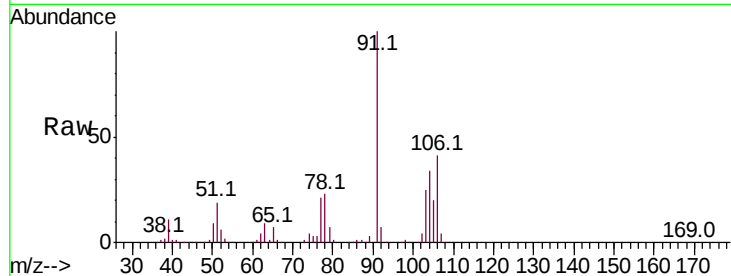




#55
o-xylene
Concen: 25.843 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007351.D
Acq: 10 Dec 2018 11:45

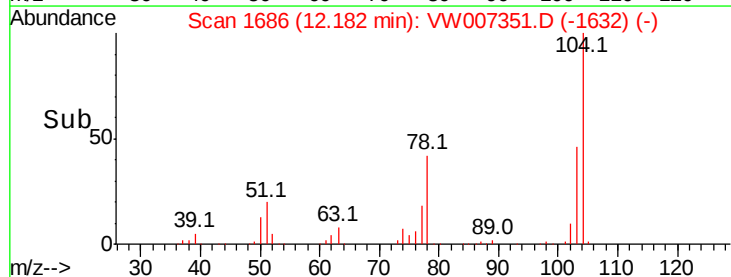
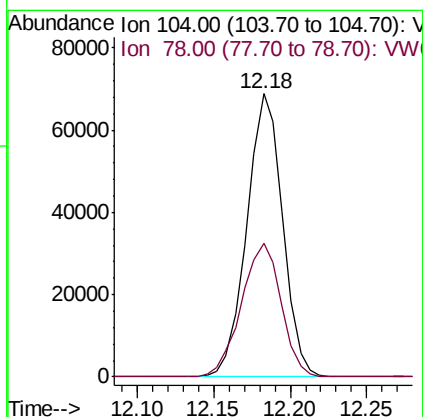
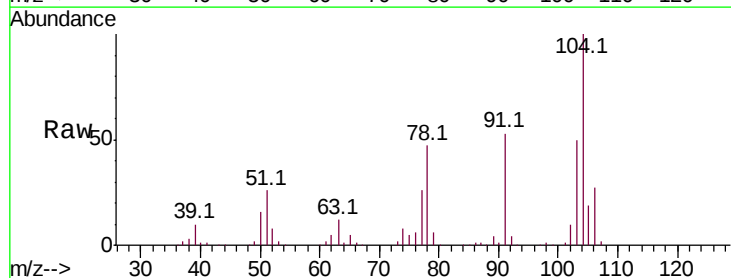
Instrument :
MSVOA_W
ClientSampled :

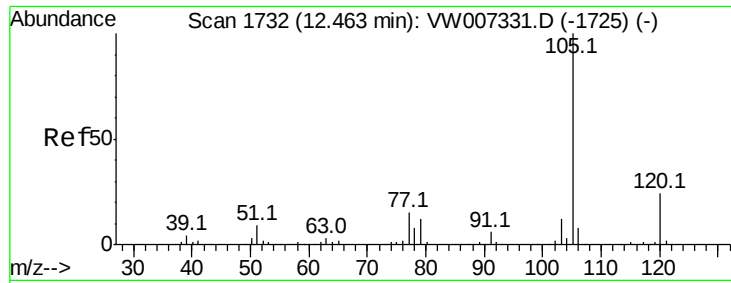
Tot Ion:106 Resp: 64747
Ion Ratio Lower Upper
106 100
91 241.1 147.0 273.0



#56
Styrene
Concen: 26.060 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW007351.D
Acq: 10 Dec 2018 11:45

Tgt Ion:104 Resp: 111918
Ion Ratio Lower Upper
104 100
78 47.1 31.8 59.0





#57

Isopropylbenzene

Concen: 26.569 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW007351.D

Acq: 10 Dec 2018 11:45

Instrument :

MSVOA_W

ClientSampleId :

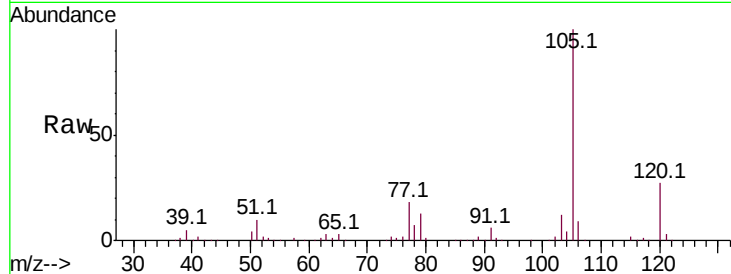
Tot Ion:105 Resp: 185779

Ion Ratio Lower Upper

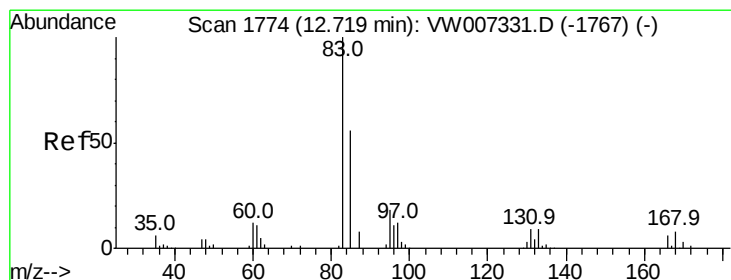
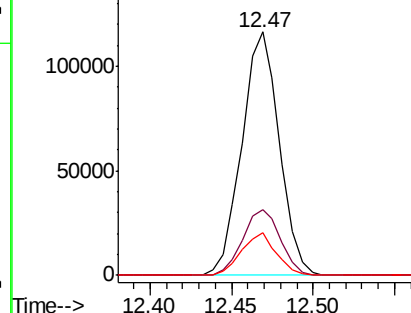
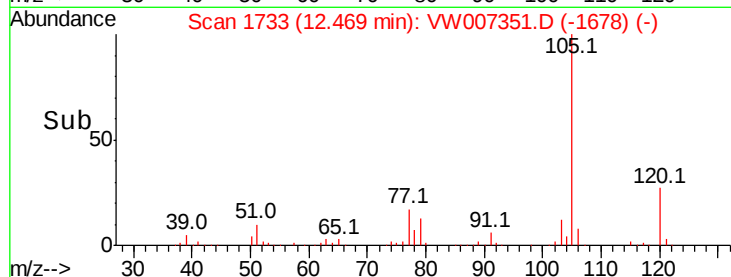
105 100

120 27.4 20.6 30.8

77 16.2 12.2 18.2



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: 26.216 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW007351.D

Acq: 10 Dec 2018 11:45

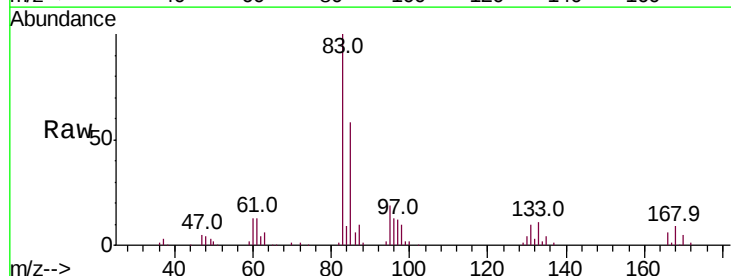
Tgt Ion: 83 Resp: 37693

Ion Ratio Lower Upper

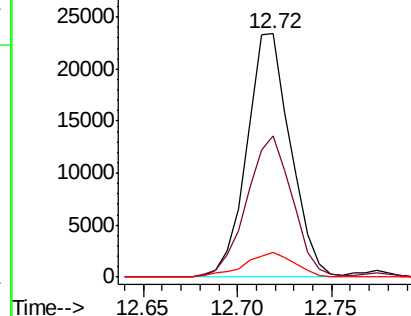
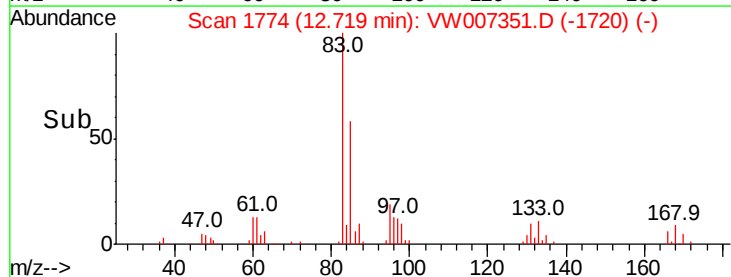
83 100

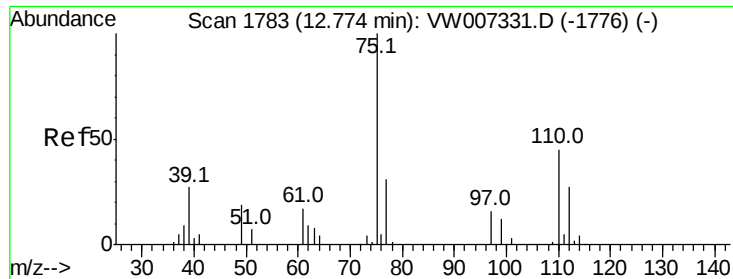
85 58.2 46.2 85.8

131 10.0 7.8 11.6



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

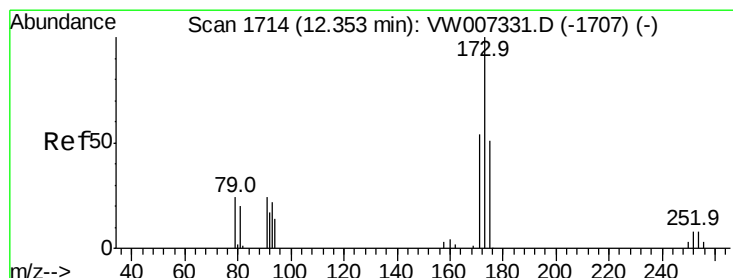
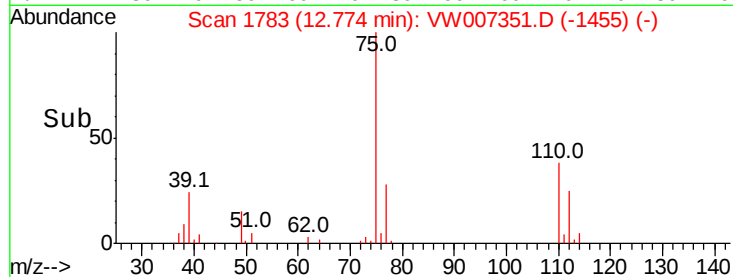
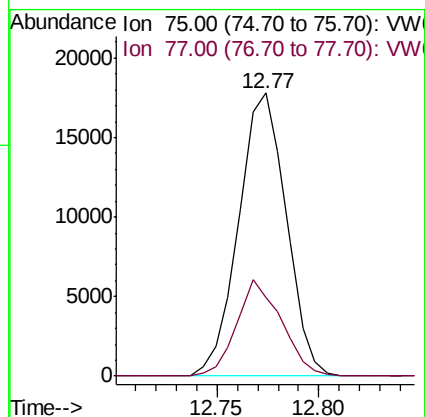
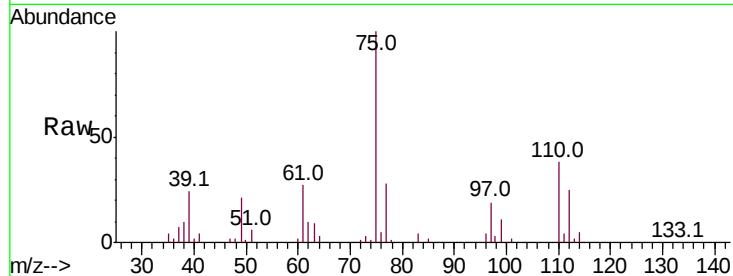




#59
 1,2,3-Trichloropropane
 Concen: 25.347 ug/L
 RT: 12.77 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VW007351.D
 Acq: 10 Dec 2018 11:45

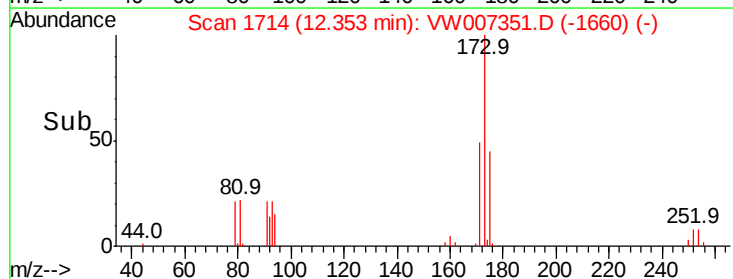
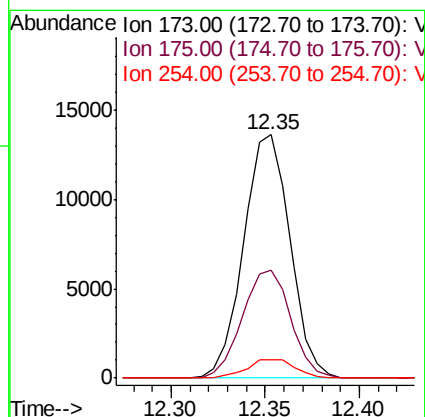
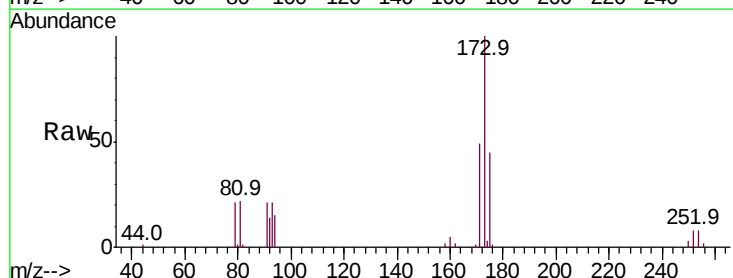
Instrument :
 MSVOA_W
 ClientSampleId :

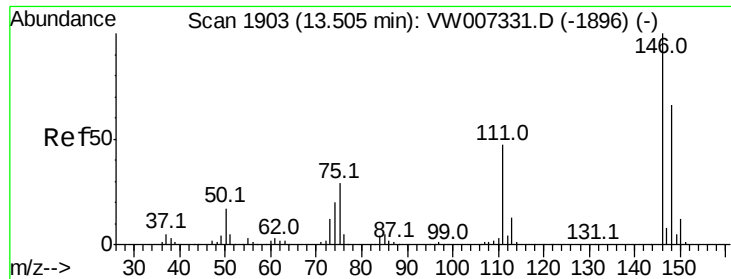
Tot Ion: 75 Resp: 28847
 Ion Ratio Lower Upper
 75 100
 77 32.2 26.5 39.7



#62
 Bromoform
 Concen: 25.994 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. -0.00 min
 Lab File: VW007351.D
 Acq: 10 Dec 2018 11:45

Tgt Ion: 173 Resp: 23300
 Ion Ratio Lower Upper
 173 100
 175 46.2 38.6 58.0
 254 8.0 6.4 9.6

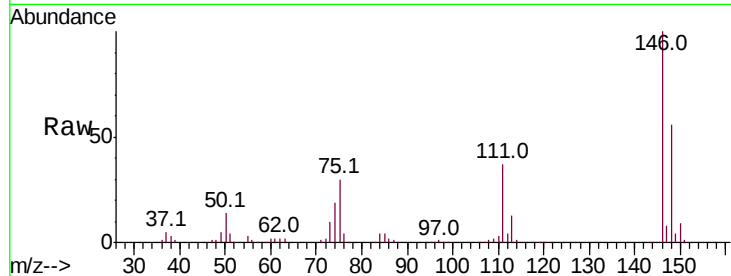




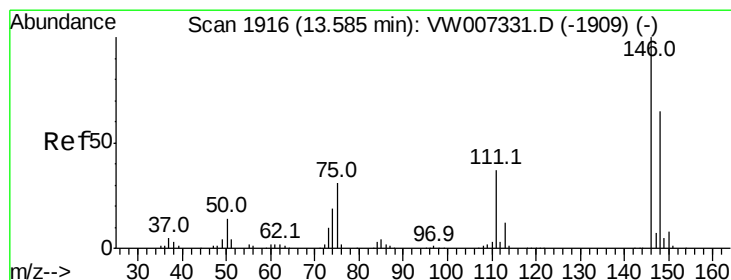
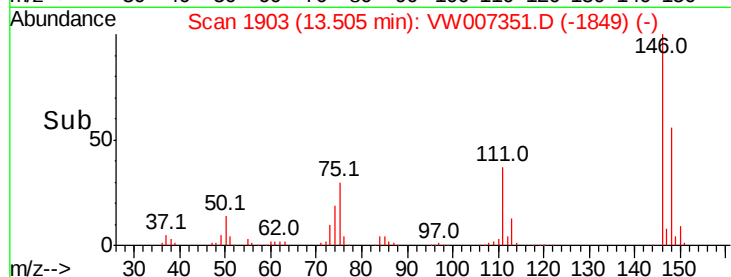
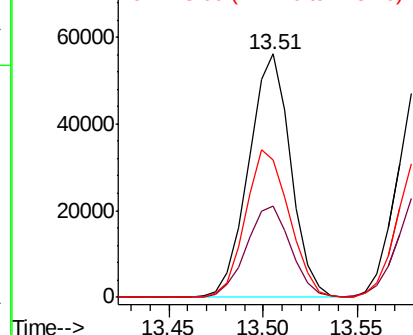
#63
 1,3-Dichlorobenzene
 Concen: 25.764 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW007351.D
 Acq: 10 Dec 2018 11:45

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:146 Resp: 86636
 Ion Ratio Lower Upper
 146 100
 111 37.4 31.0 57.6
 148 56.2 44.7 83.1

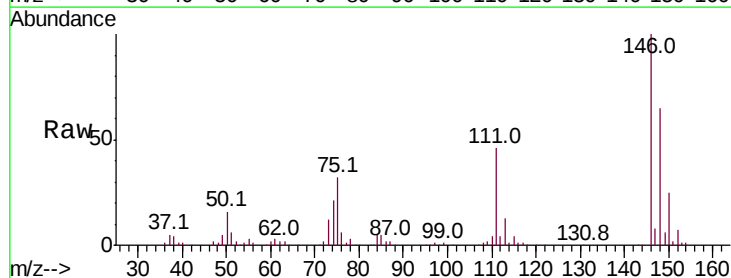


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

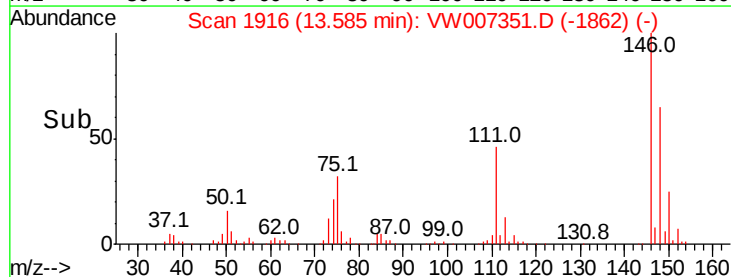
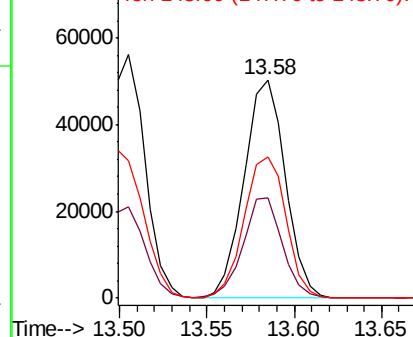


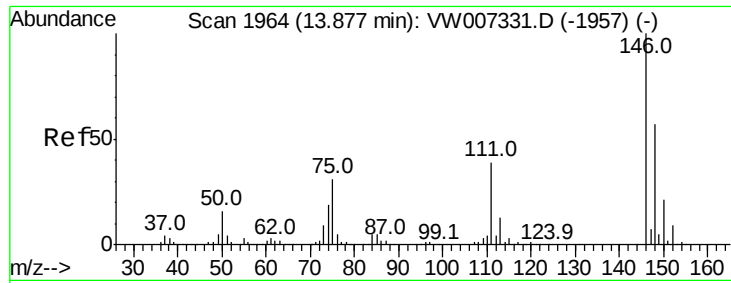
#64
 1,4-Dichlorobenzene
 Concen: 24.813 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW007351.D
 Acq: 10 Dec 2018 11:45

Tgt Ion:146 Resp: 83179
 Ion Ratio Lower Upper
 146 100
 111 45.6 24.8 46.0
 148 64.8 38.7 71.9



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





#65

1,2-Dichlorobenzene

Concen: 25.179 ug/L

RT: 13.88 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VW007351.D

Acq: 10 Dec 2018 11:45

Instrument :

MSVOA_W

ClientSampled :

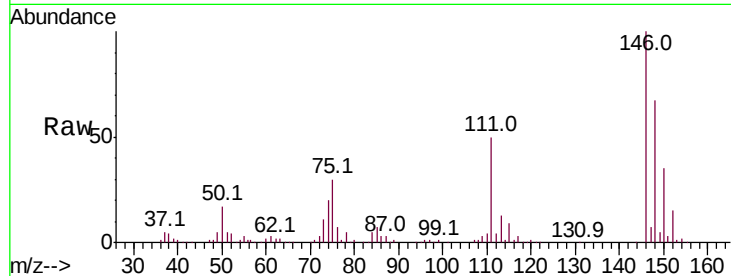
Tot Ion:146 Resp: 75775

Ion Ratio Lower Upper

146 100

111 49.7 39.3 58.9

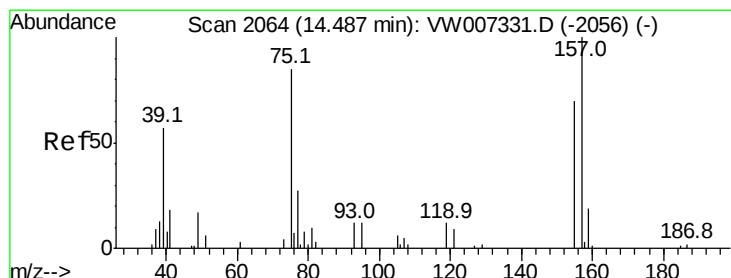
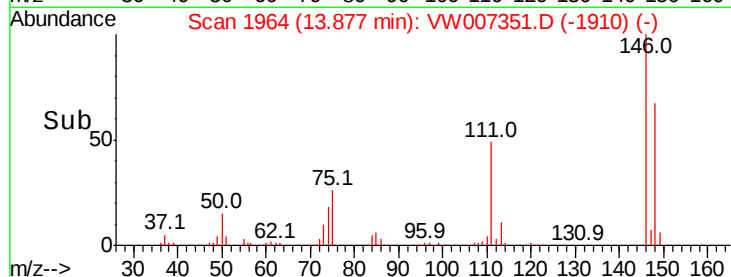
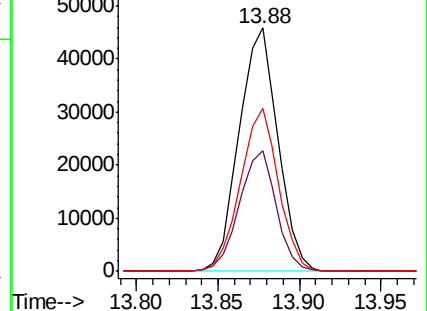
148 67.1 51.8 77.8



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: 24.474 ug/L

RT: 14.49 min Scan# 2065

Delta R.T. 0.01 min

Lab File: VW007351.D

Acq: 10 Dec 2018 11:45

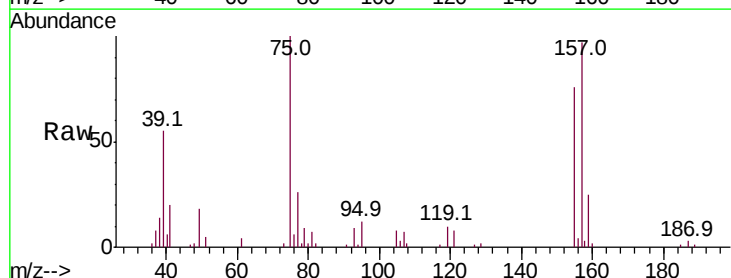
Tgt Ion: 75 Resp: 7801

Ion Ratio Lower Upper

75 100

157 97.2 86.0 129.0

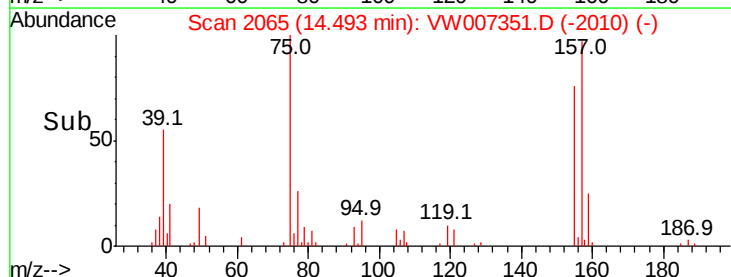
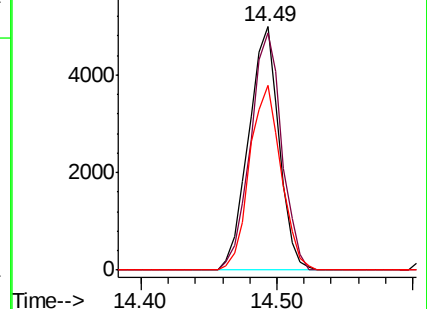
155 75.6 64.9 97.3

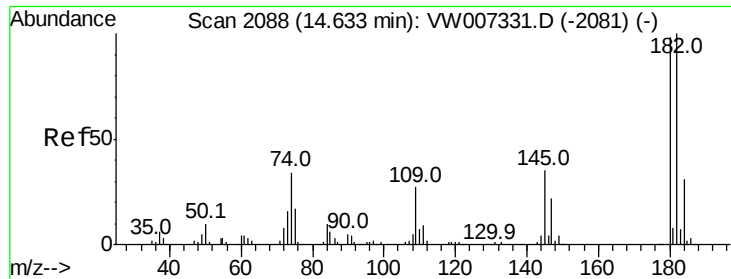


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

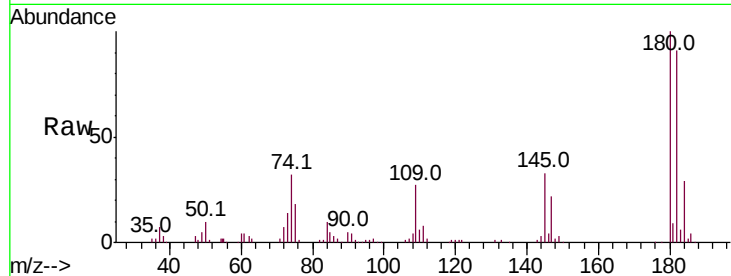




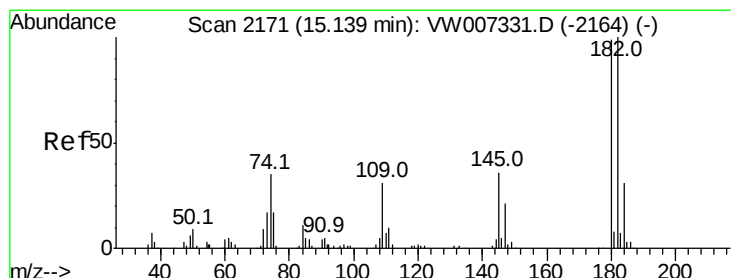
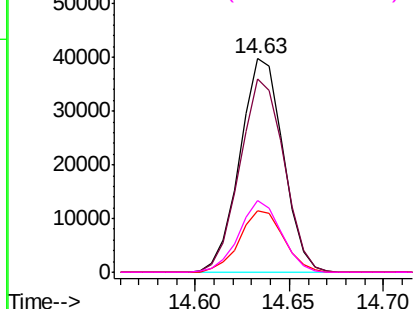
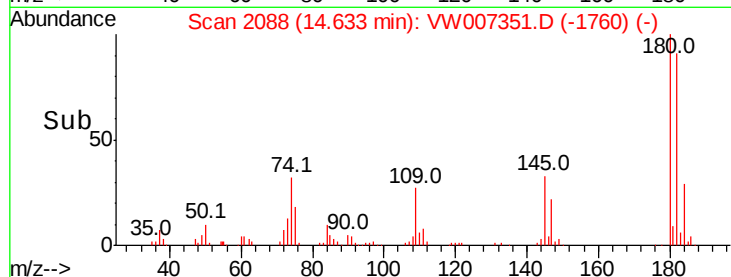
#67
 1,3,5-Trichlorobenzene
 Concen: 26.008 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW007351.D
 Acq: 10 Dec 2018 11:45

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:180 Resp: 63352
 Ion Ratio Lower Upper
 180 100
 182 92.3 74.6 111.8
 184 29.4 24.7 37.1
 145 32.6 27.2 40.8

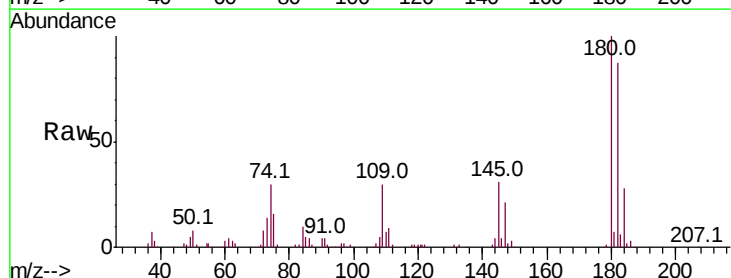


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

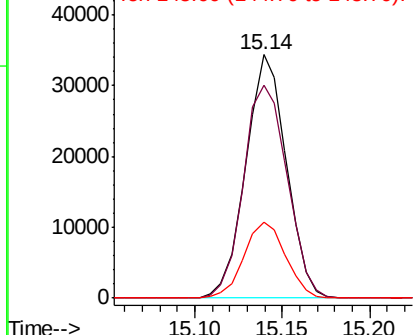
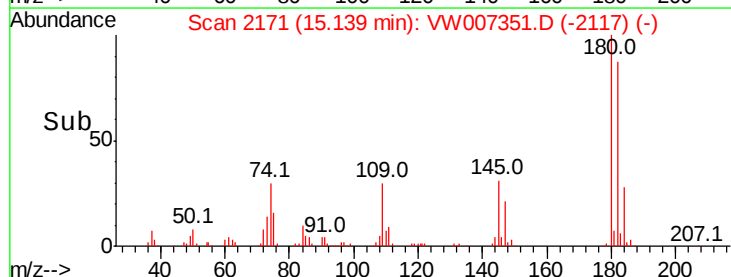


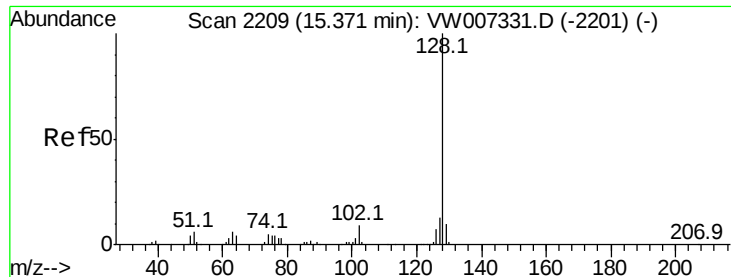
#68
 1,2,4-trichlorobenzene
 Concen: 26.391 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW007351.D
 Acq: 10 Dec 2018 11:45

Tgt Ion:180 Resp: 55421
 Ion Ratio Lower Upper
 180 100
 182 94.4 77.4 116.2
 145 32.0 28.4 42.6



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: 24.525 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW007351.D

Acq: 10 Dec 2018 11:45

Instrument :

MSVOA_W

ClientSampleId :

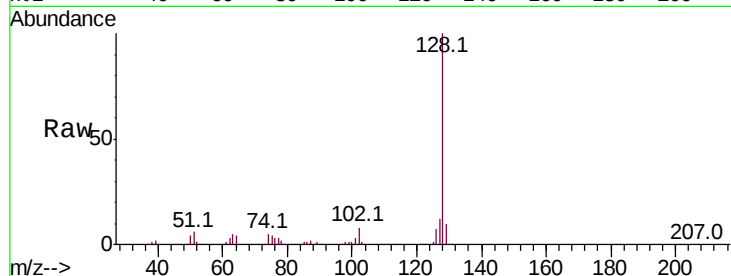
Tot Ion:128 Resp: 127306

Ion Ratio Lower Upper

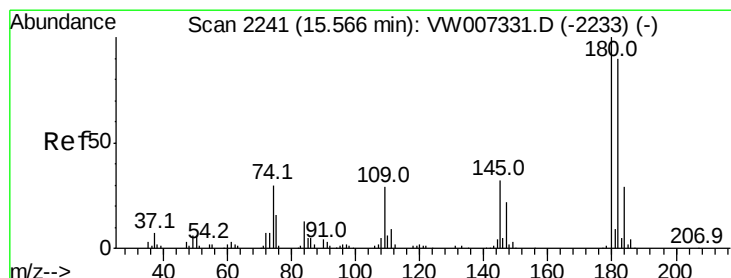
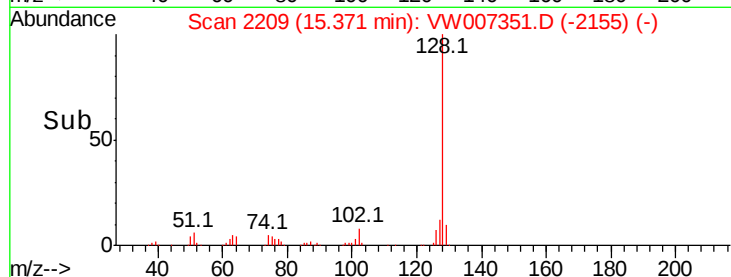
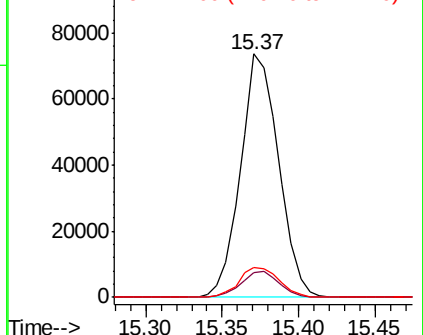
128 100

129 10.7 8.8 13.2

127 13.0 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): V
100000
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 26.050 ug/L

RT: 15.57 min Scan# 2241

Delta R.T. -0.00 min

Lab File: VW007351.D

Acq: 10 Dec 2018 11:45

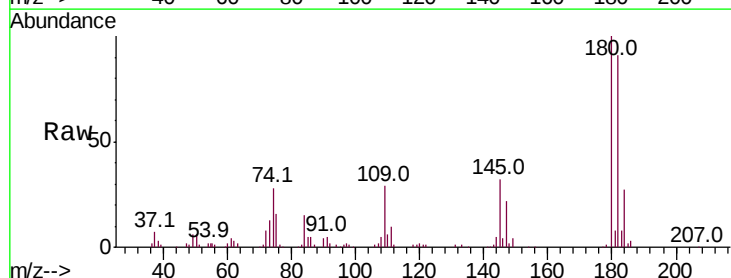
Tgt Ion:180 Resp: 49735

Ion Ratio Lower Upper

180 100

182 94.4 76.2 114.4

145 35.2 27.4 41.0



Abundance Ion 180.00 (179.70 to 180.70): V
30000
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

