

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121218\
 Data File : VW007408.D
 Acq On : 11 Dec 2018 20:10
 Operator : SY/AP
 Sample : VSTDCCC025
 Misc : 5.002G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 12 02:43:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120718S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 11 01:18:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	146040	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	132891	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	65231	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	25552	26.86	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	107.44%
7) Chloroethane-d5	2.90	69	19256	23.90	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.60%
10) 1,1-Dichloroethene-d2	4.01	63	85984	26.21	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	104.84%
20) 2-Butanone-d5	7.08	46	20418	34.05	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	68.10%
24) Chloroform-d	7.65	84	94779	27.51	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	110.04%
26) 1,2-Dichloroethane-d4	8.31	65	50598	25.81	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	103.24%
29) Benzene-d6	8.27	84	179897	24.92	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.68%
33) 1,2-Dichloropropane-d6	9.27	67	50795	24.66	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.64%
37) Toluene-d8	10.32	98	176354	26.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	104.24%
38) trans-1,3-Dichloropropene-	10.58	79	24983	23.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.92%
39) 2-Hexanone-d5	10.93	63	17272	34.84	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	69.68%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	40147	21.39	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	85.56%
61) 1,2-Dichlorobenzene-d4	13.86	152	62795	27.36	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	109.44%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	31445	19.716	ug/L	86
3) Chloromethane	2.21	50	24627	19.289	ug/L	94
5) Vinyl chloride	2.37	62	30167	25.045	ug/L	97
6) Bromomethane	2.79	94	19458	23.355	ug/L	100
8) Chloroethane	2.93	64	16228	22.381	ug/L	94
9) Trichlorofluoromethane	3.26	101	27676	20.016	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	45448	24.657	ug/L	98
12) 1,1-Dichloroethene	4.03	96	41745	24.340	ug/L	95
13) Acetone	4.12	43	17368	24.911	ug/L	96
14) Carbon disulfide	4.37	76	126031	25.167	ug/L	100
15) Methyl Acetate	4.67	43	16049	15.351	ug/L #	89
16) Methylene chloride	4.92	84	45105	19.115	ug/L	92
17) Methyl tert-butyl Ether	5.42	73	61082	21.903	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	45558	24.760	ug/L	94
19) 1,1-Dichloroethane	6.21	63	79311	25.288	ug/L	100
21) 2-Butanone	7.17	43	23012	30.708	ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	50080	24.734	ug/L	98

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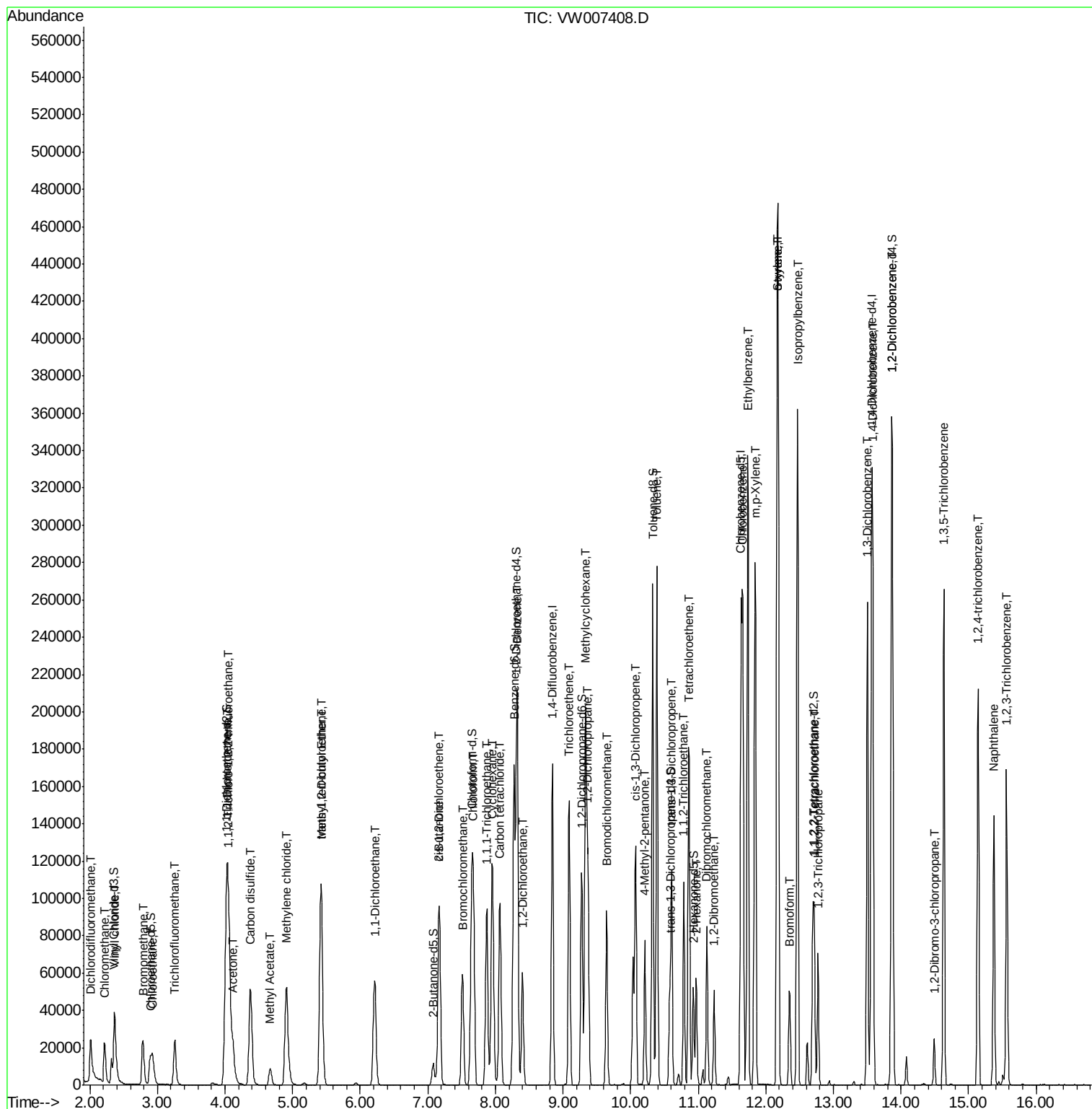
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	22551	24.432	ug/L	94
25) Chloroform	7.68	83	88229	25.999	ug/L	99
27) 1,2-Dichloroethane	8.40	62	57701	23.786	ug/L	99
30) Cyclohexane	7.95	56	69303	21.738	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	75733	24.213	ug/L	98
32) Carbon tetrachloride	8.07	117	73848	24.433	ug/L	97
34) Benzene	8.32	78	180990	23.761	ug/L	100
35) Trichloroethene	9.09	95	51517	23.586	ug/L	99
36) Methylcyclohexane	9.34	83	85471	22.668	ug/L	98
40) 1,2-Dichloropropane	9.37	63	43709	23.458	ug/L	100
41) Bromodichloromethane	9.64	83	63730	23.821	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	72128	23.050	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	47612	32.284	ug/L	98
44) Toluene	10.39	91	204388	24.894	ug/L	95
45) trans-1,3-Dichloropropene	10.60	75	63784	23.212	ug/L	96
46) 1,1,2-Trichloroethane	10.79	97	33625	21.916	ug/L	93
47) Tetrachloroethene	10.86	164	41331	25.050	ug/L	93
49) 2-Hexanone	10.97	43	34345	33.135	ug/L	96
50) Dibromochloromethane	11.13	129	45902	24.354	ug/L	99
51) 1,2-Dibromoethane	11.24	107	33422	21.690	ug/L	96
52) Chlorobenzene	11.66	112	136120	25.546	ug/L	95
53) Ethylbenzene	11.73	91	238847	25.872	ug/L	96
54) m,p-Xylene	11.84	106	91431	26.071	ug/L	90
55) o-xylene	12.17	106	85370	25.759	ug/L	93
56) Styrene	12.18	104	148302	26.105	ug/L	98
57) Isopropylbenzene	12.47	105	237478	25.674	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	38745	20.371	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	28571	18.977	ug/L	98
62) Bromoform	12.35	173	23944	21.434	ug/L	97
63) 1,3-Dichlorobenzene	13.51	146	108410	25.869	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	109004	26.092	ug/L	89
65) 1,2-Dichlorobenzene	13.87	146	96093	25.622	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	6943	17.478	ug/L	92
67) 1,3,5-Trichlorobenzene	14.63	180	78373	25.817	ug/L	98
68) 1,2,4-trichlorobenzene	15.14	180	65186	24.907	ug/L	98
69) Naphthalene	15.37	128	128112	19.803	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	56997	23.955	ug/L	99

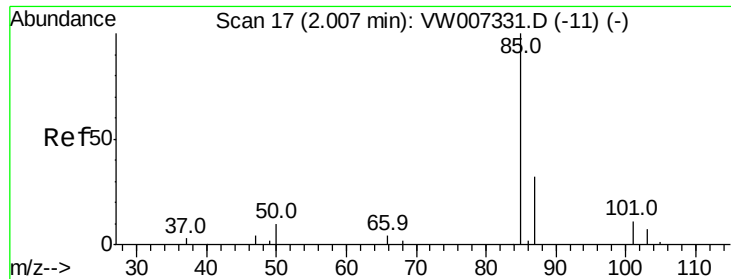
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 19.716 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW007408.D

Acq: 11 Dec 2018 20:10

Instrument :

MSVOA_W

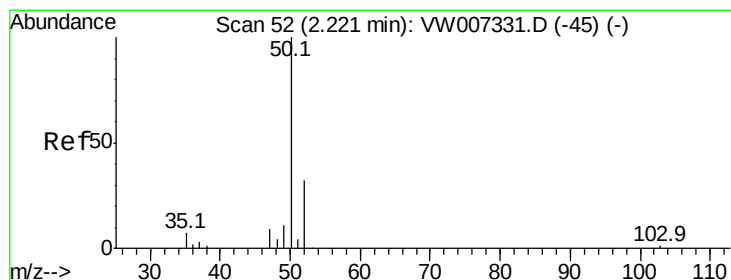
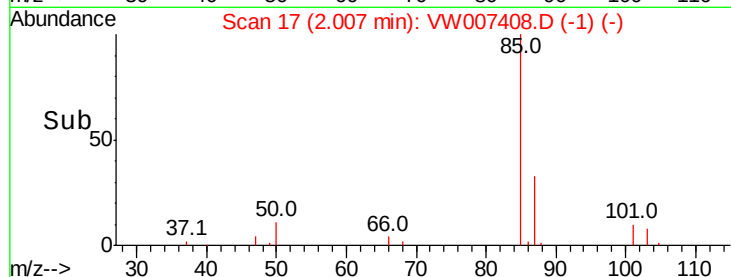
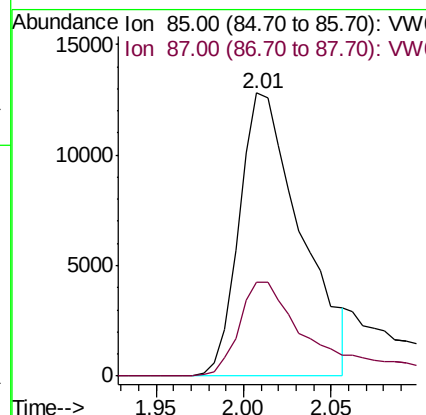
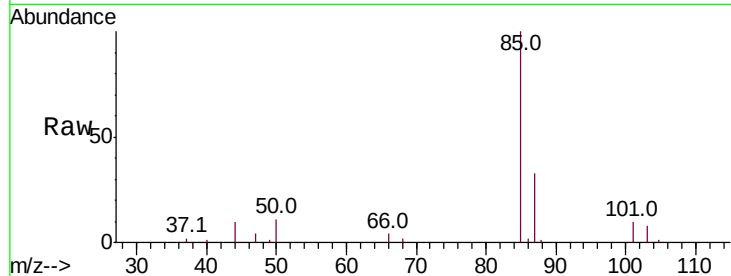
ClientSampleId :

Tot Ion: 85 Resp: 31445

Ion Ratio Lower Upper

85 100

87 41.0 23.2 43.0



#3

Chloromethane

Concen: 19.289 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW007408.D

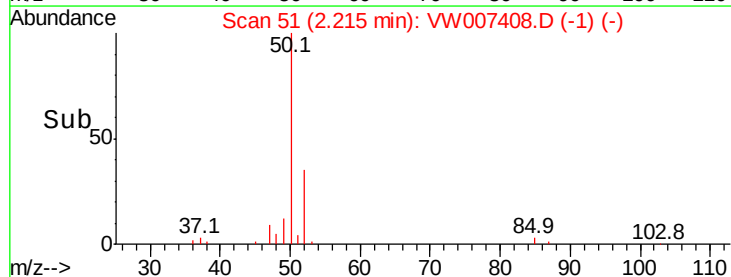
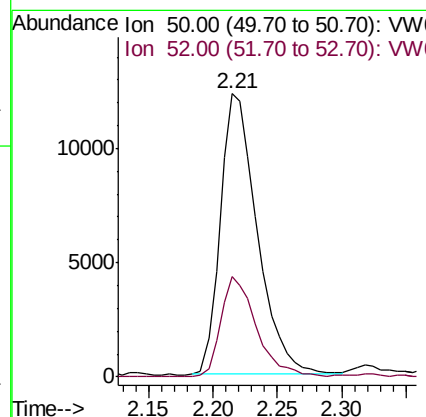
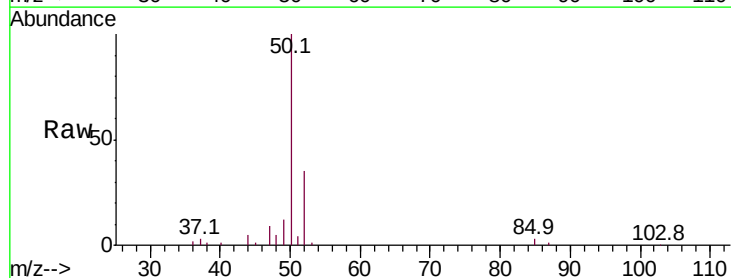
Acq: 11 Dec 2018 20:10

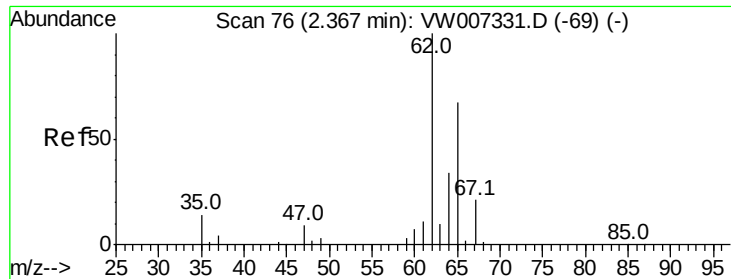
Tgt Ion: 50 Resp: 24627

Ion Ratio Lower Upper

50 100

52 35.3 22.2 41.2





#5

Vinyl chloride

Concen: 25.045 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW007408.D

Acq: 11 Dec 2018 20:10

Instrument :

MSVOA_W

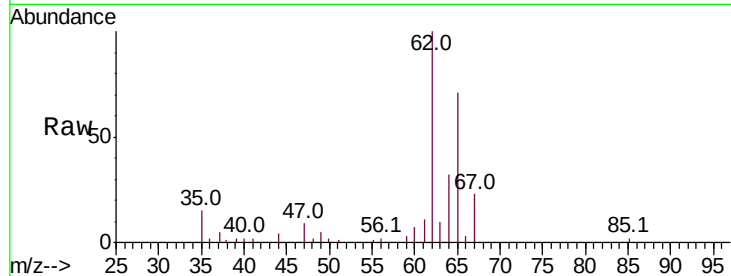
ClientSampled :

Tot Ion: 62 Resp: 30167

Ion Ratio Lower Upper

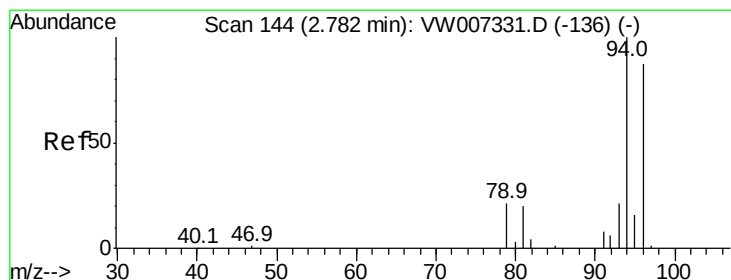
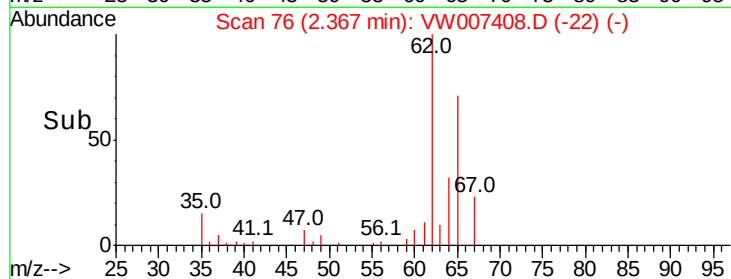
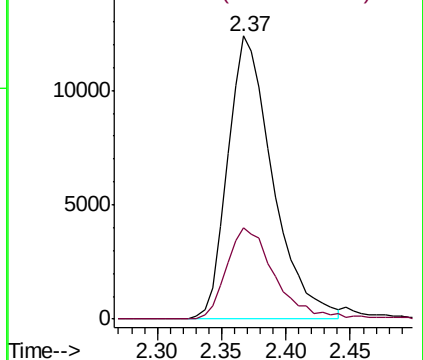
62 100

64 32.4 23.9 44.3



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW



#6

Bromomethane

Concen: 23.355 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.01 min

Lab File: VW007408.D

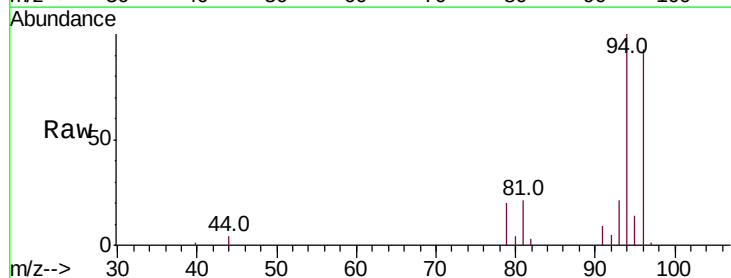
Acq: 11 Dec 2018 20:10

Tgt Ion: 94 Resp: 19458

Ion Ratio Lower Upper

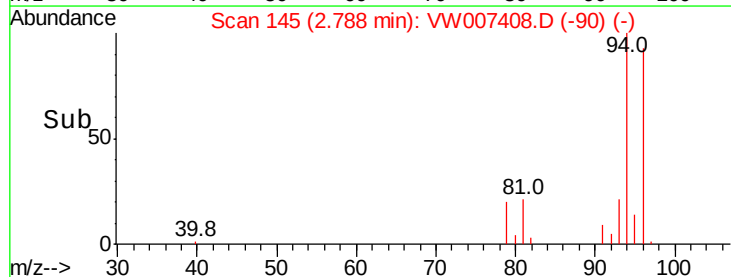
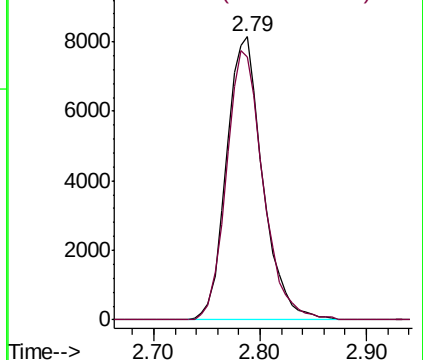
94 100

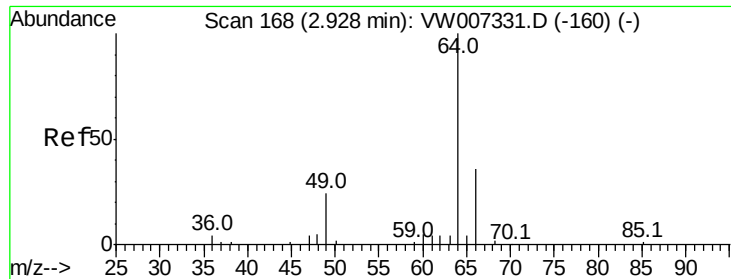
96 95.8 9.6 181.8



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW

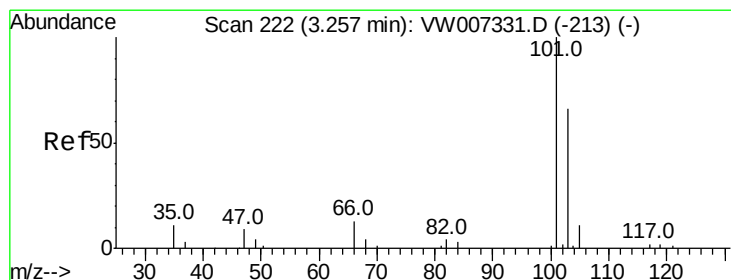
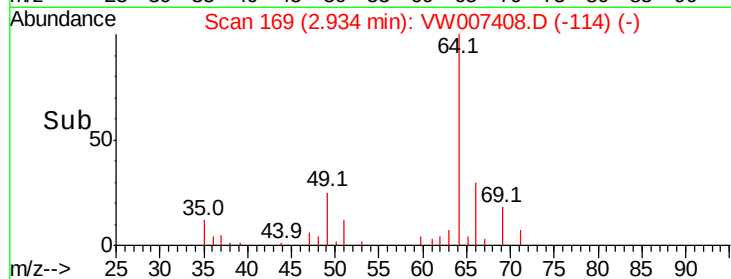
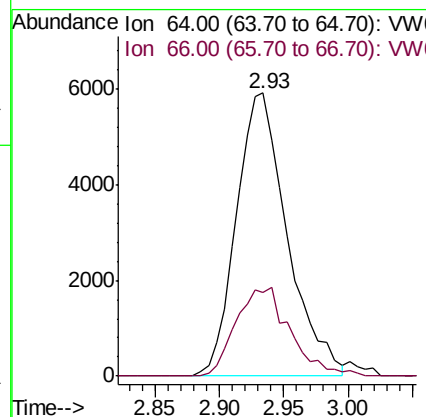
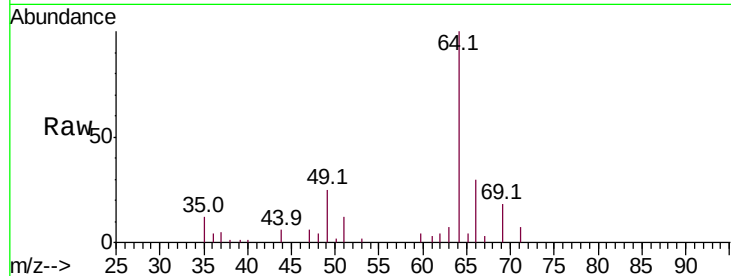




#8
Chloroethane
Concen: 22.381 ug/L
RT: 2.93 min Scan# 169
Delta R.T. 0.01 min
Lab File: VW007408.D
Acq: 11 Dec 2018 20:10

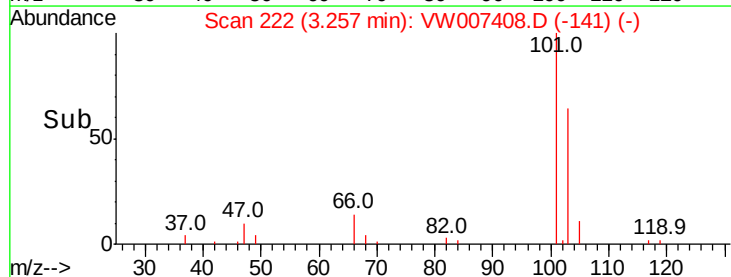
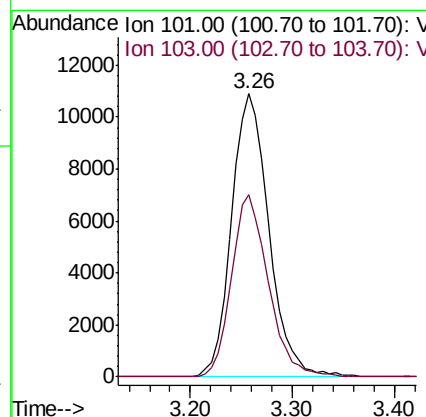
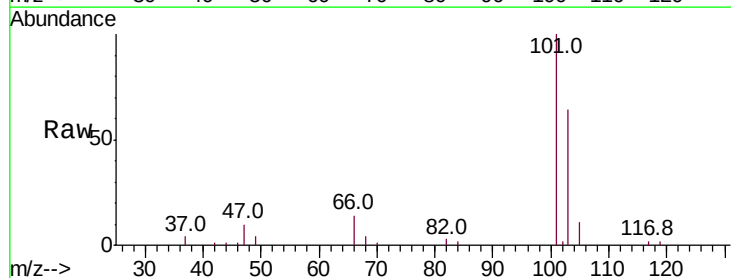
Instrument :
MSVOA_W
ClientSampleId :

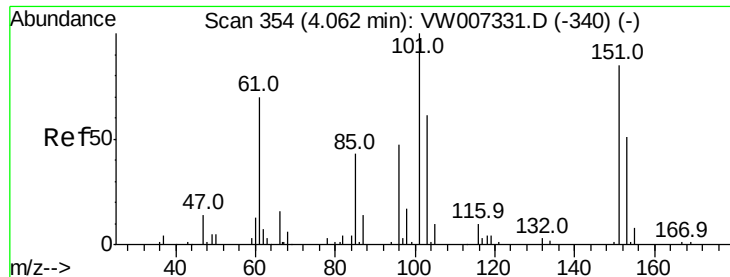
Tot Ion: 64 Resp: 16228
Ion Ratio Lower Upper
64 100
66 29.7 23.2 43.2



#9
Trichlorofluoromethane
Concen: 20.016 ug/L
RT: 3.26 min Scan# 222
Delta R.T. -0.01 min
Lab File: VW007408.D
Acq: 11 Dec 2018 20:10

Tgt Ion:101 Resp: 27676
Ion Ratio Lower Upper
101 100
103 63.1 44.7 82.9





#11

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

Concen: 24.657 ug/L

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW007408.D

Acq: 11 Dec 2018 20:10

Instrument :

MSVOA_W

ClientSampled :

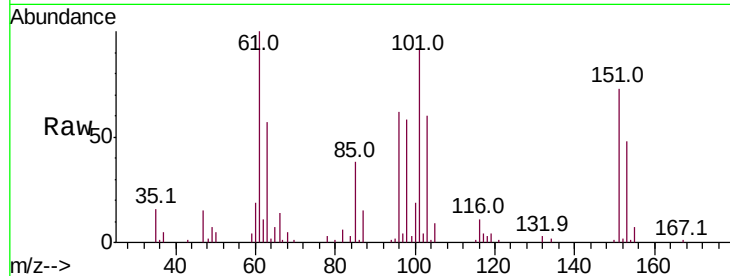
Tot Ion:101 Resp: 45448

Ion Ratio Lower Upper

101 100

85 42.1 35.4 53.2

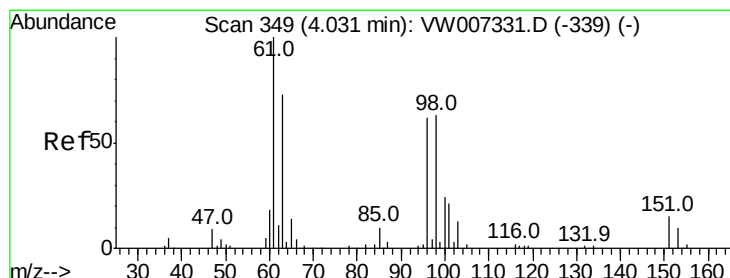
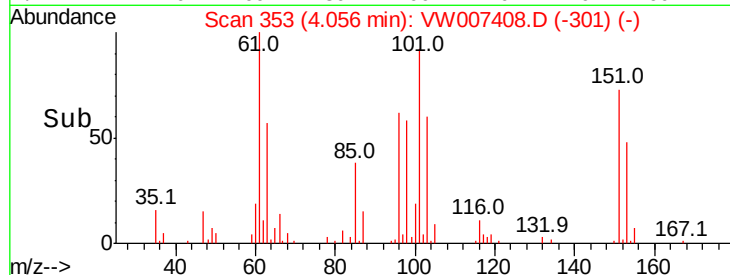
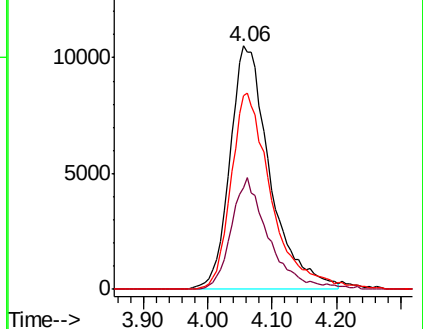
151 80.1 64.8 97.2



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: 24.340 ug/L

RT: 4.03 min Scan# 349

Delta R.T. 0.00 min

Lab File: VW007408.D

Acq: 11 Dec 2018 20:10

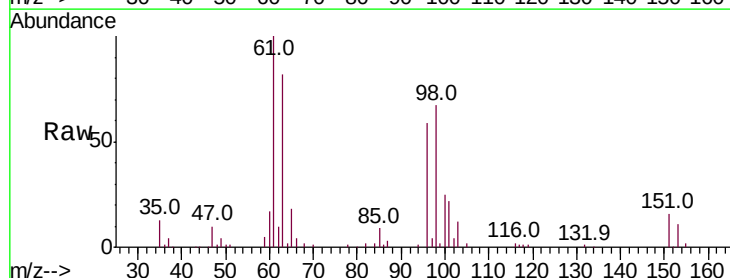
Tgt Ion: 96 Resp: 41745

Ion Ratio Lower Upper

96 100

61 170.4 117.2 217.8

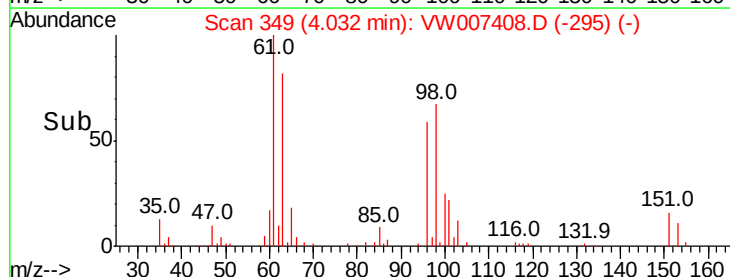
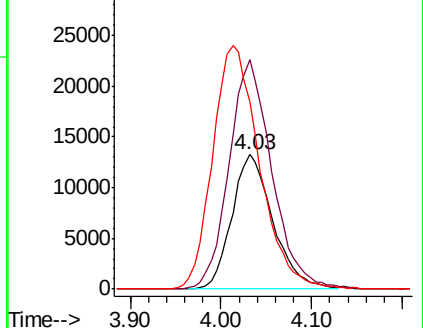
63 139.0 89.7 166.7

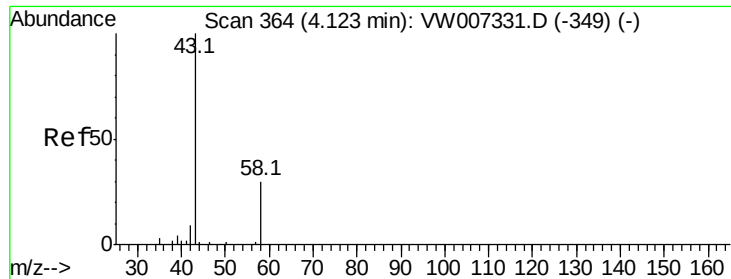


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 24.911 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW007408.D

Acq: 11 Dec 2018 20:10

Instrument :

MSVOA_W

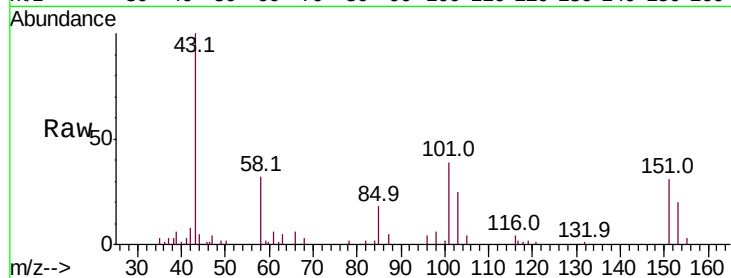
ClientSampleId :

Tot Ion: 43 Resp: 17368

Ion Ratio Lower Upper

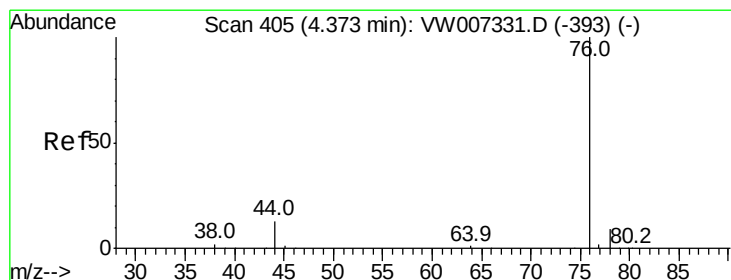
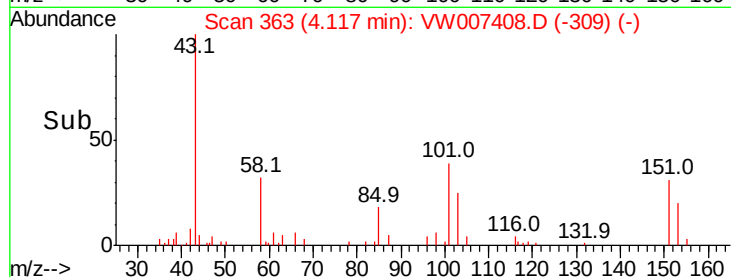
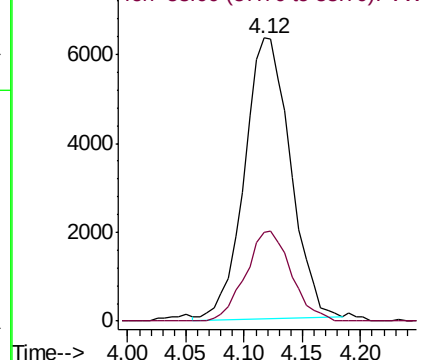
43 100

58 31.7 0.0 59.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 25.167 ug/L

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW007408.D

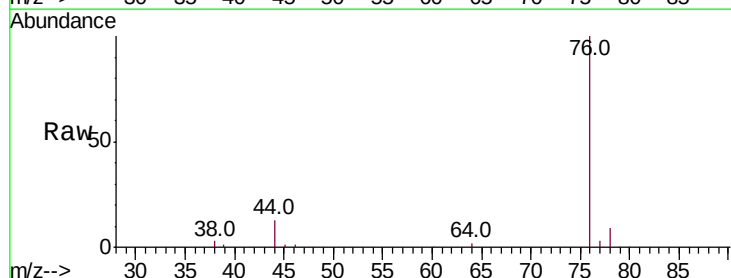
Acq: 11 Dec 2018 20:10

Tgt Ion: 76 Resp: 126031

Ion Ratio Lower Upper

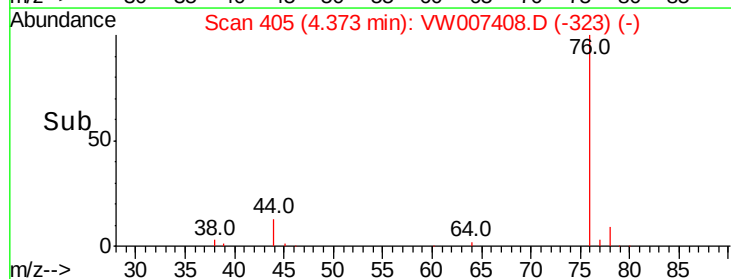
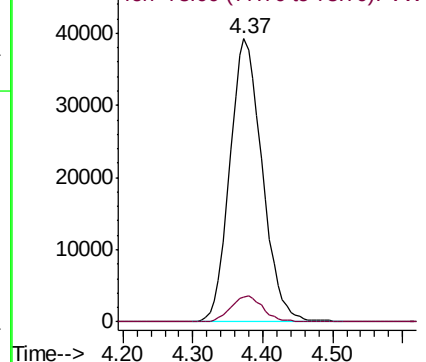
76 100

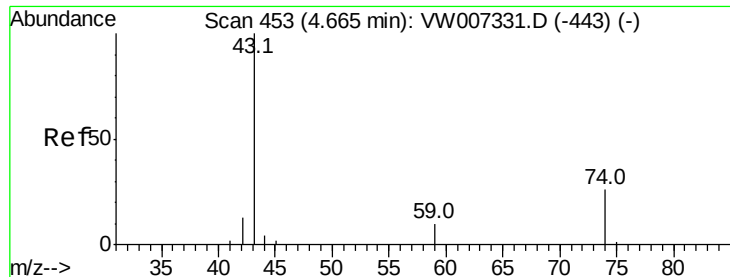
78 9.0 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

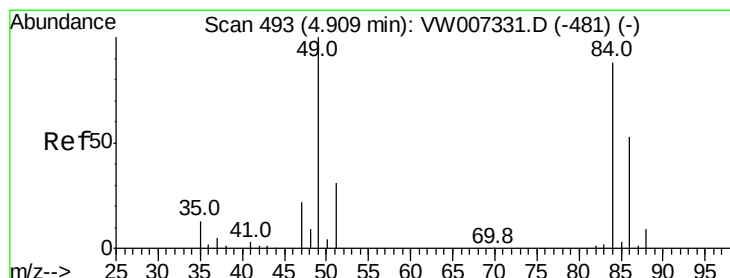
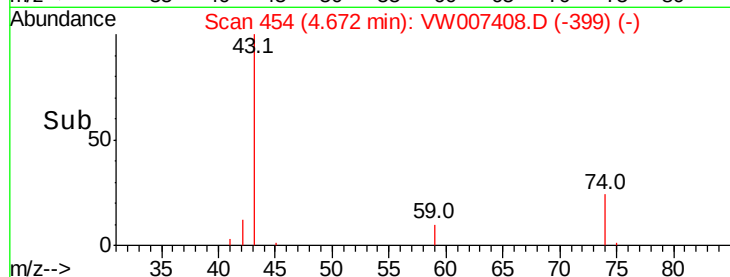
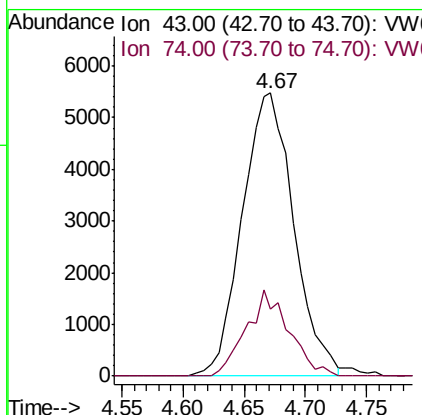
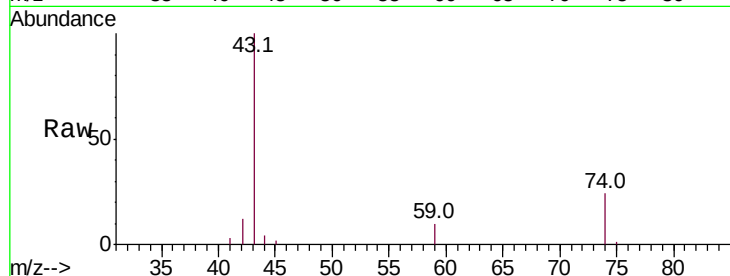




#15
Methvl Acetate
Concen: 15.351 ug/L
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW007408.D
Acq: 11 Dec 2018 20:10

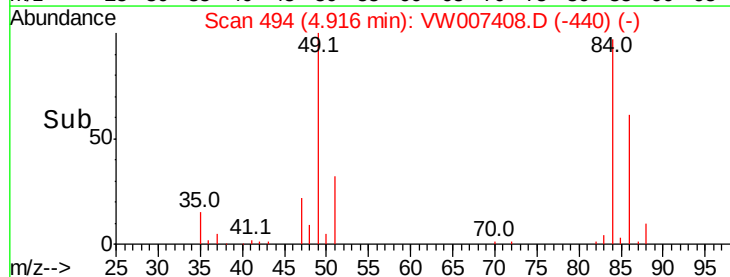
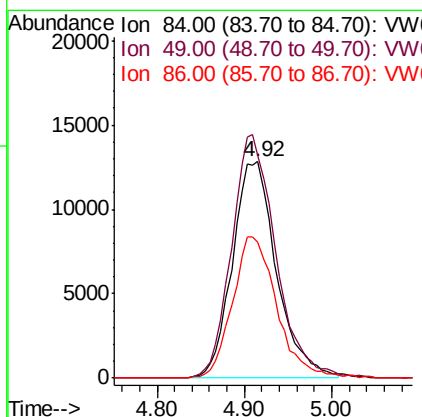
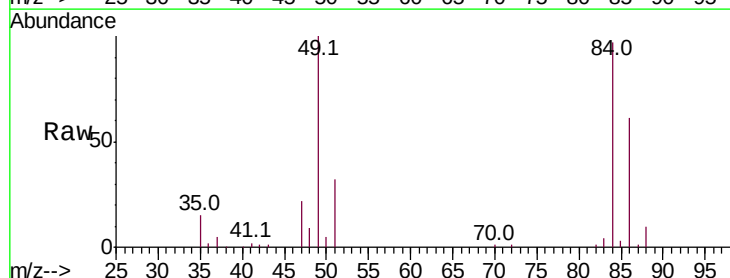
Instrument :
MSVOA_W
ClientSampleId :

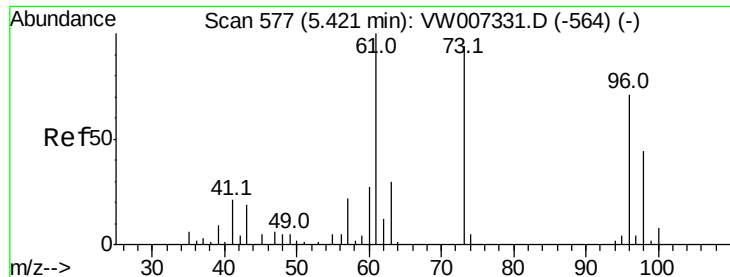
Tot Ion: 43 Resp: 16049
Ion Ratio Lower Upper
43 100
74 25.4 0.1 0.1#



#16
Methylene chloride
Concen: 19.115 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW007408.D
Acq: 11 Dec 2018 20:10

Tgt Ion: 84 Resp: 45105
Ion Ratio Lower Upper
84 100
49 103.4 80.8 150.2
86 62.8 45.8 85.2

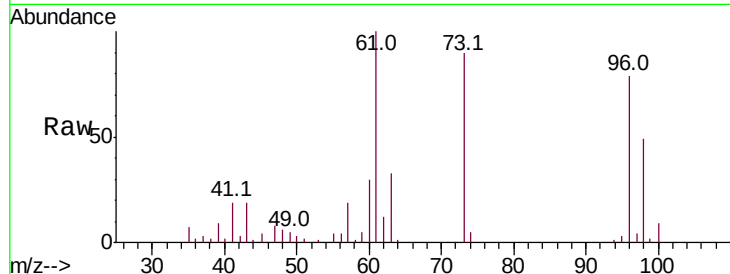




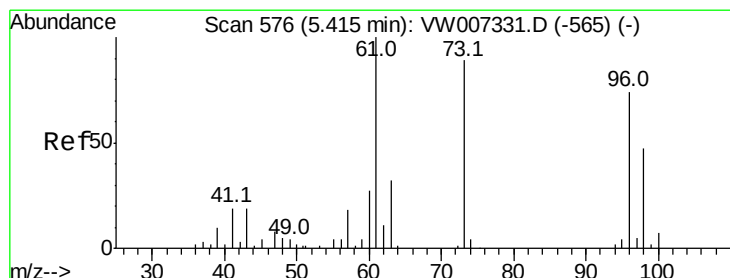
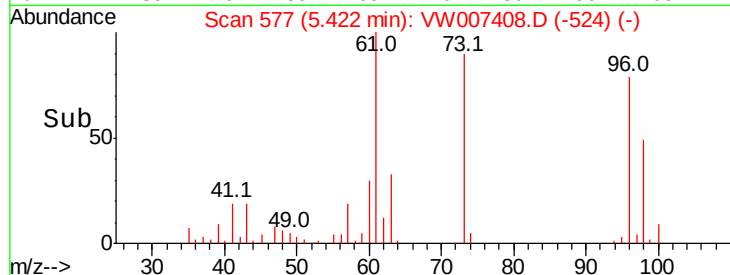
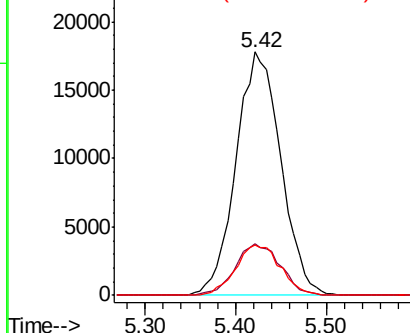
#17
Methyl tert-butyl Ether
Concen: 21.903 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW007408.D
Acq: 11 Dec 2018 20:10

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 73 Resp: 61082
Ion Ratio Lower Upper
73 100
43 21.5 17.3 25.9
57 20.7 17.0 25.6

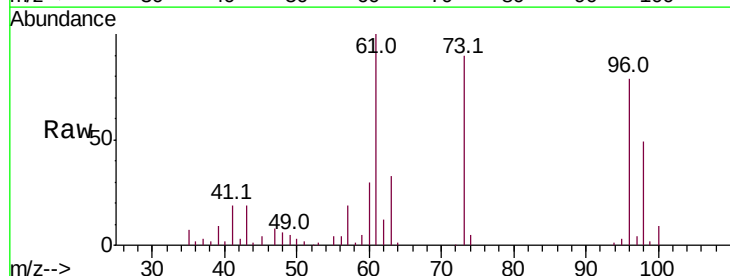


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

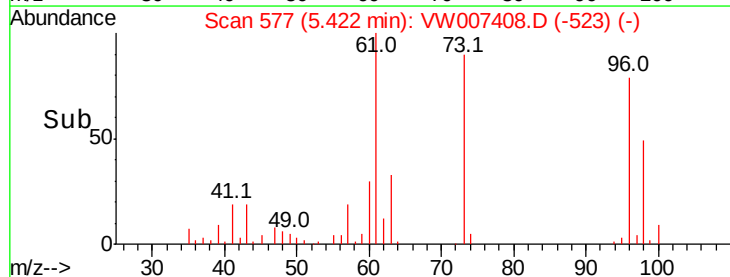
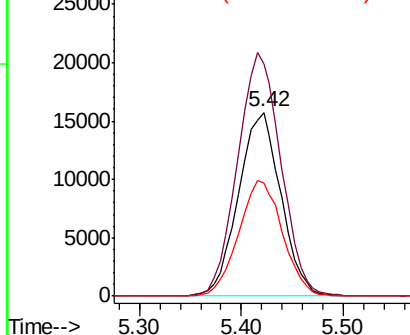


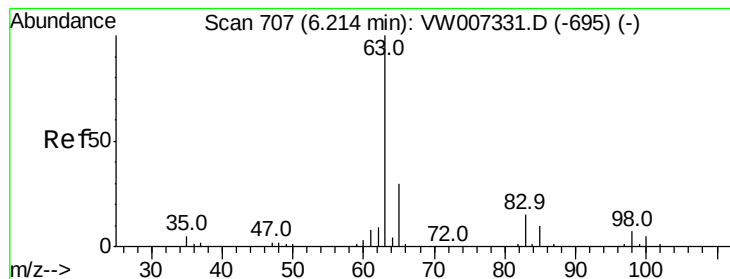
#18
trans-1,2-Dichloroethene
Concen: 24.760 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW007408.D
Acq: 11 Dec 2018 20:10

Tgt Ion: 96 Resp: 45558
Ion Ratio Lower Upper
96 100
61 126.3 94.6 175.8
98 61.9 45.1 83.7



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





#19

1,1-Dichloroethane

Concen: 25.288 ug/L

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW007408.D

Acq: 11 Dec 2018 20:10

Instrument :

MSVOA_W

ClientSampleId :

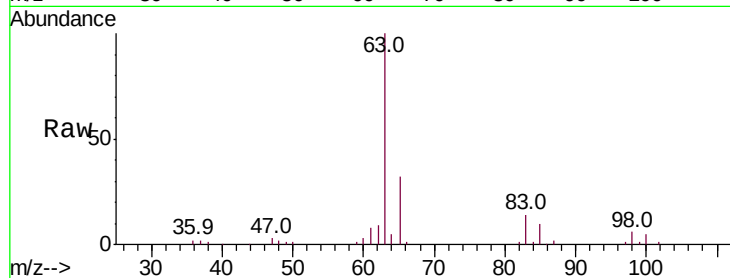
Tot Ion: 63 Resp: 79311

Ion Ratio Lower Upper

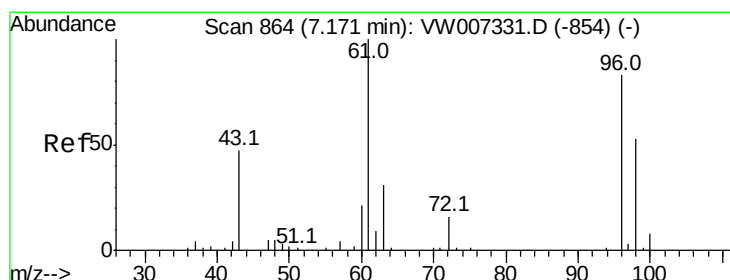
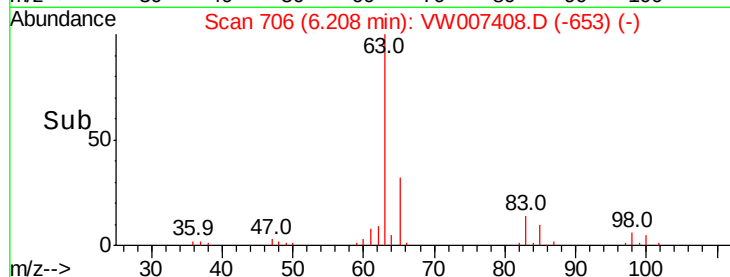
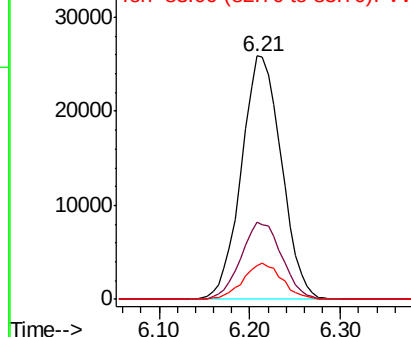
63 100

65 31.5 22.1 41.1

83 14.0 9.8 18.2



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: 30.708 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW007408.D

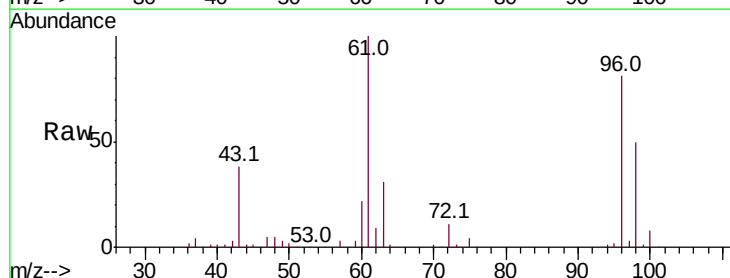
Acq: 11 Dec 2018 20:10

Tgt Ion: 43 Resp: 23012

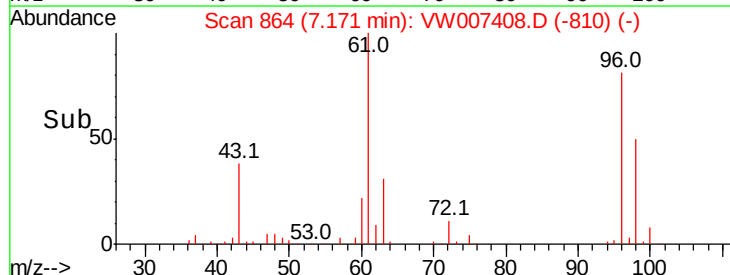
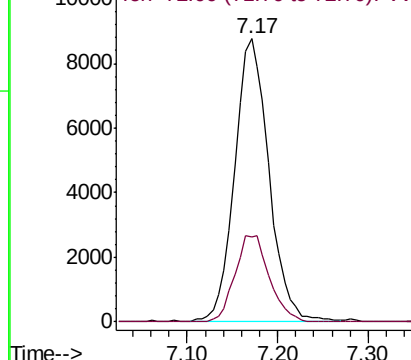
Ion Ratio Lower Upper

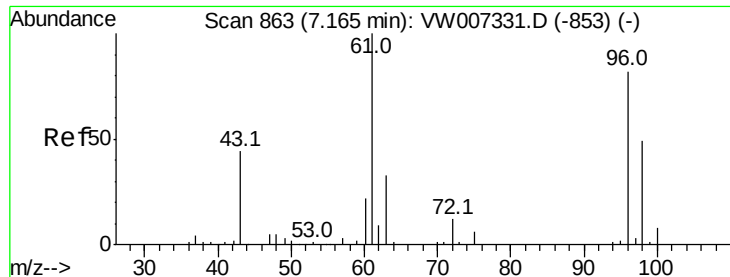
43 100

72 30.5 14.7 44.1



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW



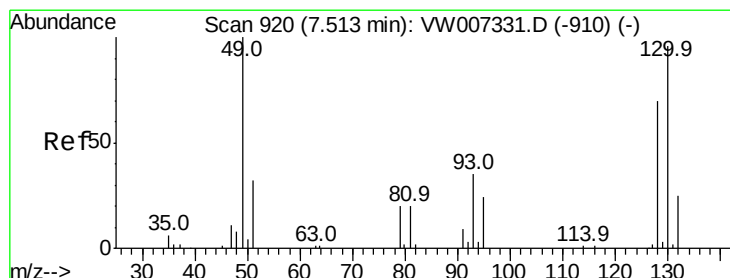
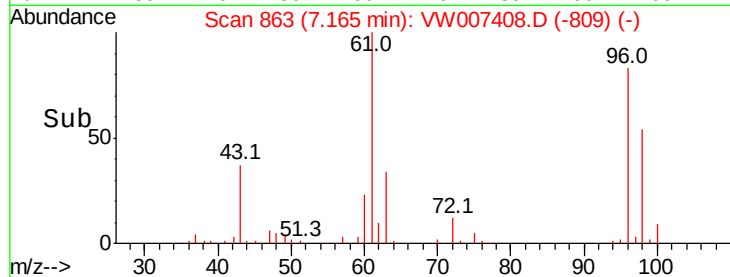
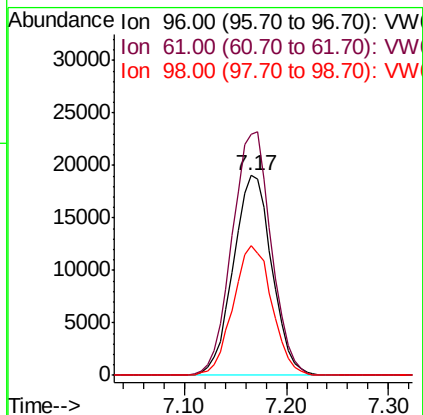
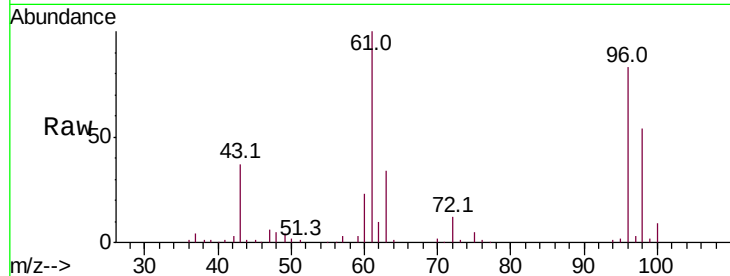


#22

cis-1,2-Dichloroethene
Concen: 24.734 ug/L
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW007408.D
Acq: 11 Dec 2018 20:10

Instrument :
MSVOA_W
ClientSampled :

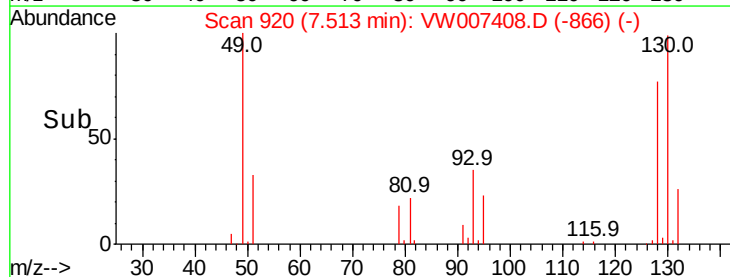
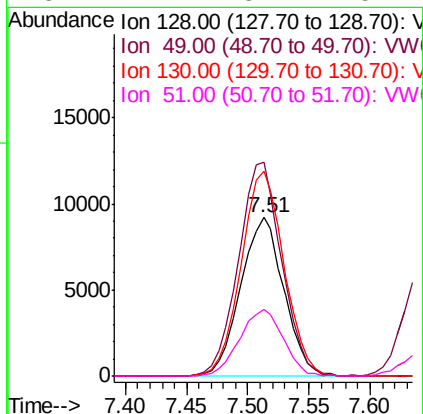
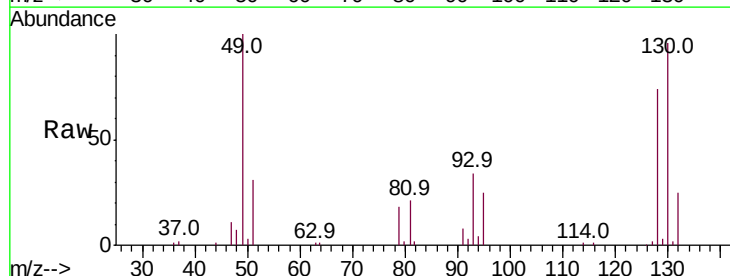
Tot Ion: 96 Resp: 50080
Ion Ratio Lower Upper
96 100
61 120.2 84.6 157.2
98 65.0 42.9 79.7

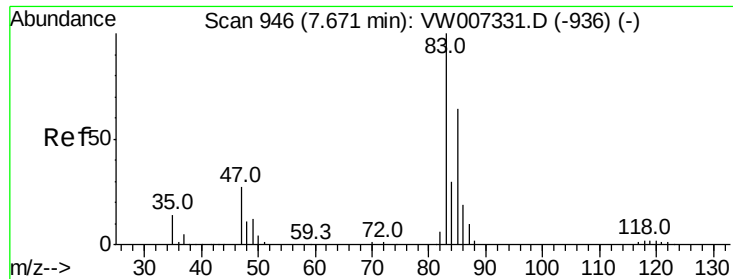


#23

Bromochloromethane
Concen: 24.432 ug/L
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW007408.D
Acq: 11 Dec 2018 20:10

Tgt Ion:128 Resp: 22551
Ion Ratio Lower Upper
128 100
49 134.8 102.3 190.1
130 129.4 88.0 163.4
51 42.4 34.2 51.4

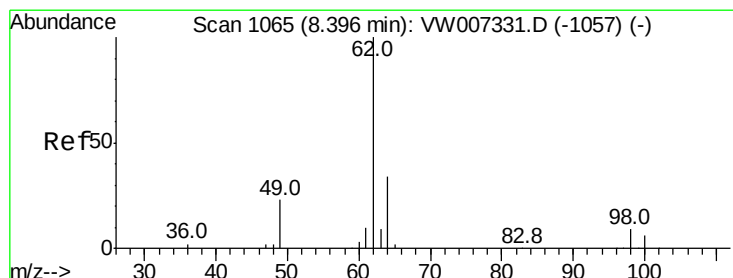
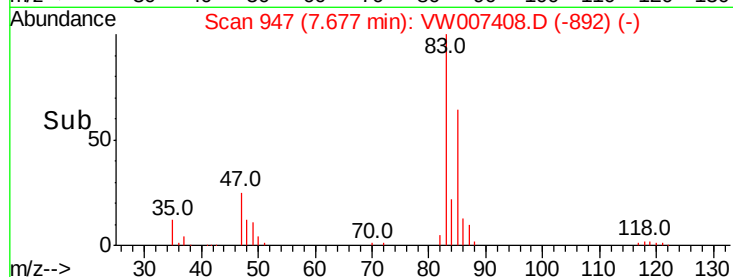
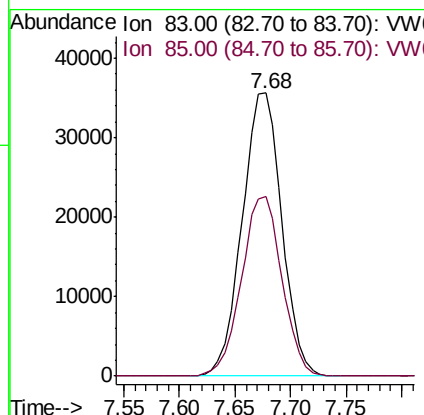
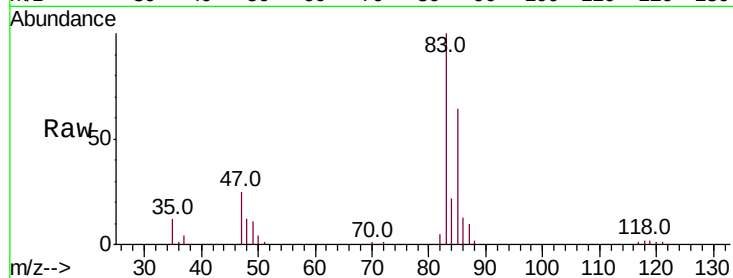




#25
Chloroform
Concen: 25.999 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW007408.D
Acq: 11 Dec 2018 20:10

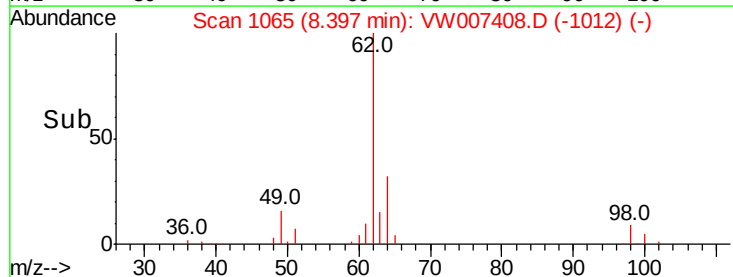
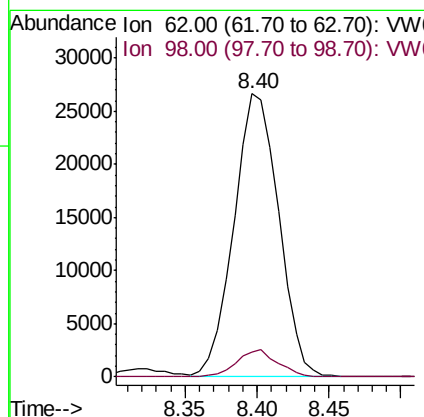
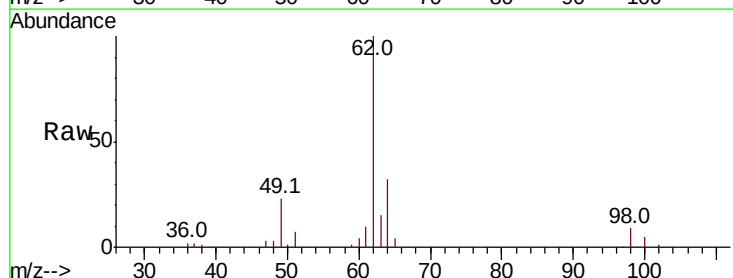
Instrument :
MSVOA_W
ClientSampled :

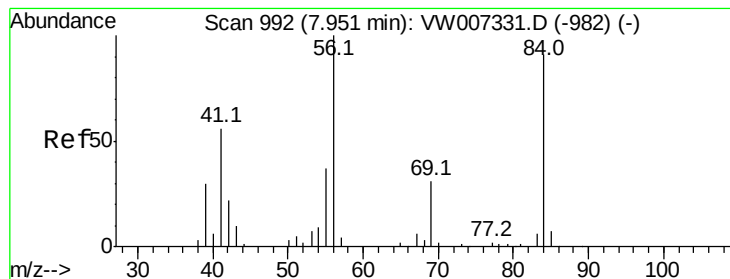
Tot Ion: 83 Resp: 88229
Ion Ratio Lower Upper
83 100
85 64.6 46.0 85.4



#27
1,2-Dichloroethane
Concen: 23.786 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW007408.D
Acq: 11 Dec 2018 20:10

Tgt Ion: 62 Resp: 57701
Ion Ratio Lower Upper
62 100
98 8.8 6.9 10.3





#30

Cyclohexane

Concen: 21.738 ug/L

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW007408.D

Acq: 11 Dec 2018 20:10

Instrument :

MSVOA_W

ClientSampleId :

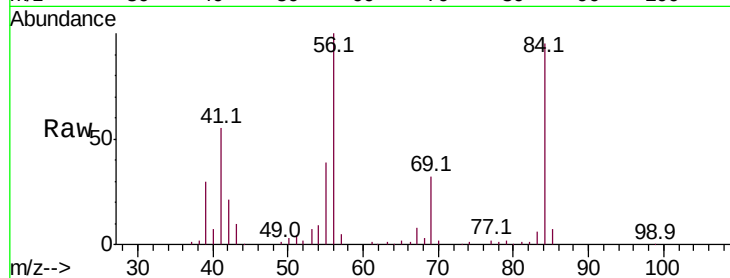
Tot Ion: 56 Resp: 69303

Ion Ratio Lower Upper

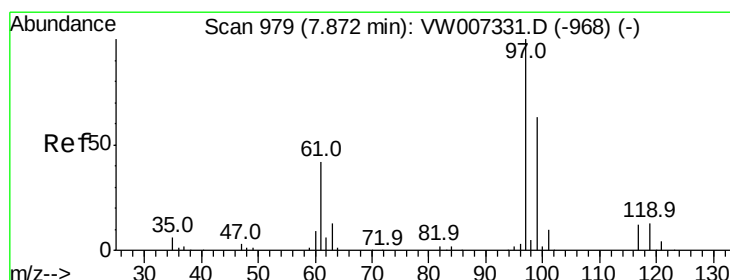
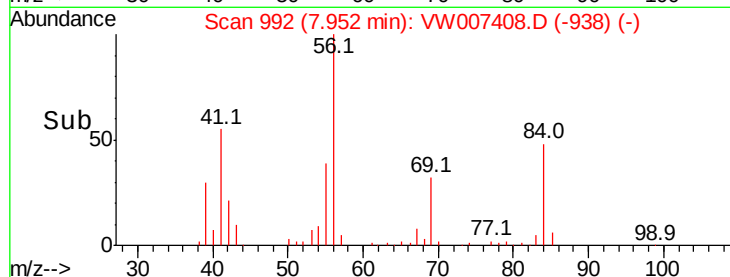
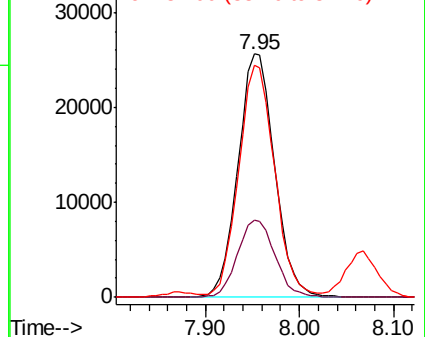
56 100

69 32.4 26.0 39.0

84 94.2 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: 24.213 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.01 min

Lab File: VW007408.D

Acq: 11 Dec 2018 20:10

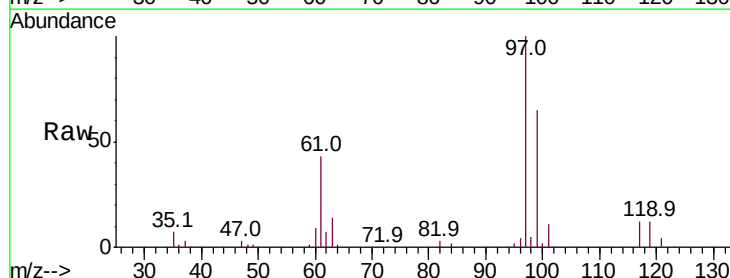
Tgt Ion: 97 Resp: 75733

Ion Ratio Lower Upper

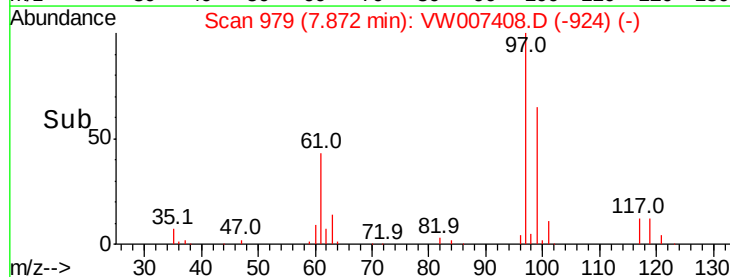
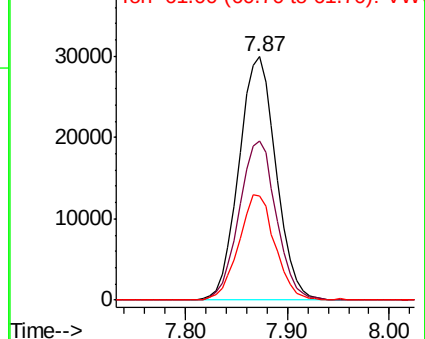
97 100

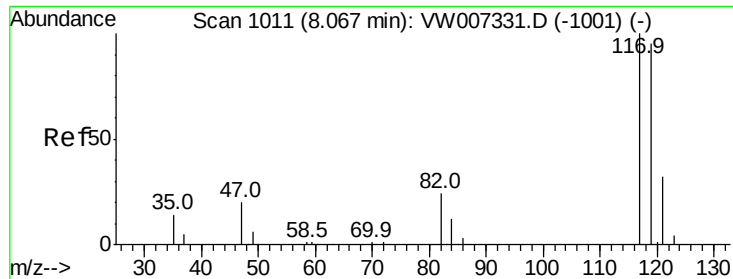
99 65.5 51.3 76.9

61 42.4 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: 24.433 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW007408.D

Acq: 11 Dec 2018 20:10

Instrument :

MSVOA_W

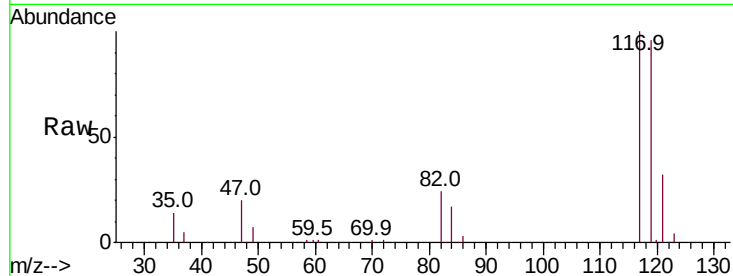
ClientSampleId :

Tot Ion:117 Resp: 73848

Ion Ratio Lower Upper

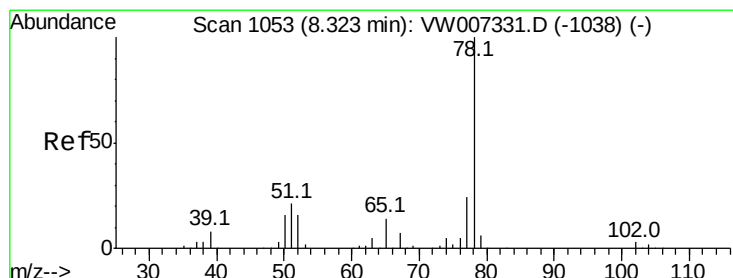
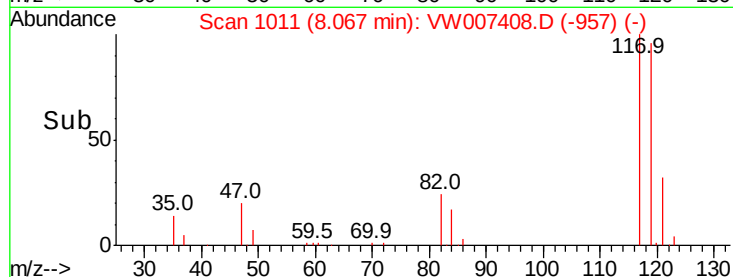
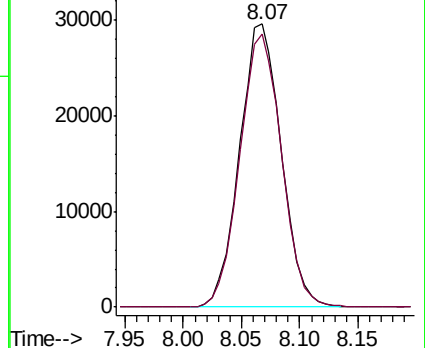
117 100

119 96.7 75.3 112.9



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 23.761 ug/L

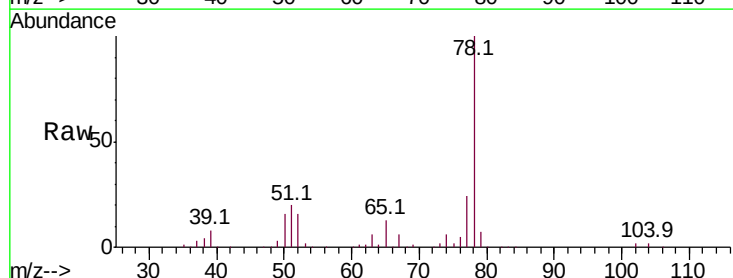
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

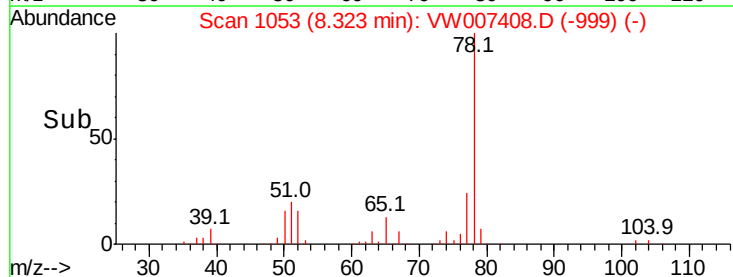
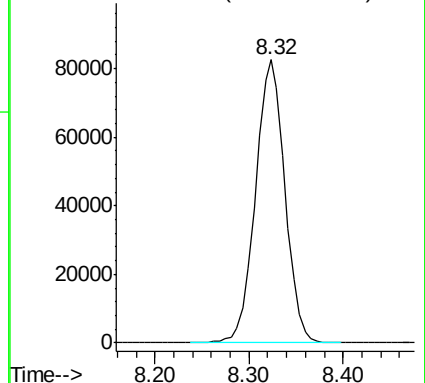
Lab File: VW007408.D

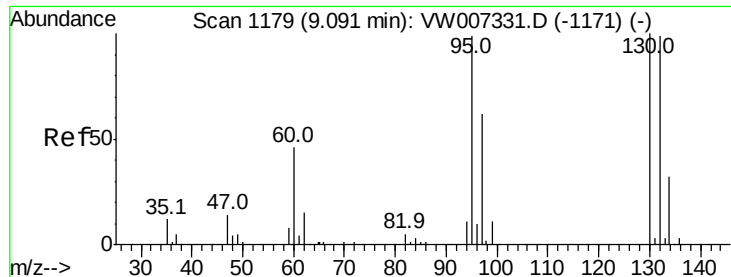
Acq: 11 Dec 2018 20:10

Tgt Ion: 78 Resp: 180990



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 23.586 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW007408.D

Acq: 11 Dec 2018 20:10

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 95 Resp: 51517

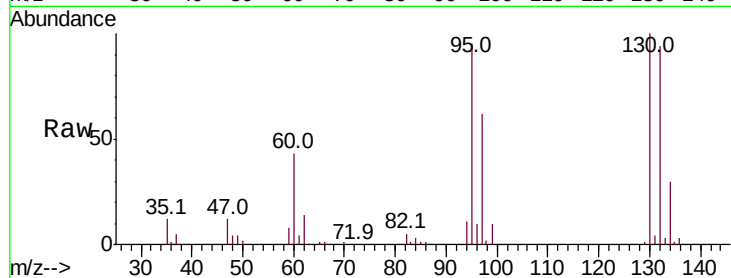
Ion Ratio Lower Upper

95 100

97 64.9 45.8 85.0

132 98.8 68.0 126.4

130 103.9 71.6 133.0



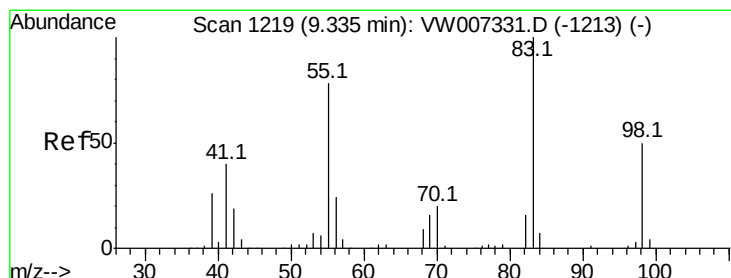
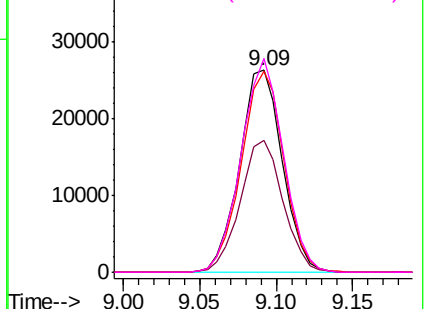
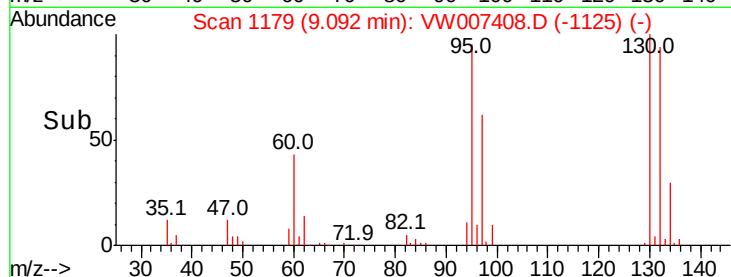
Abundance

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: 22.668 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW007408.D

Acq: 11 Dec 2018 20:10

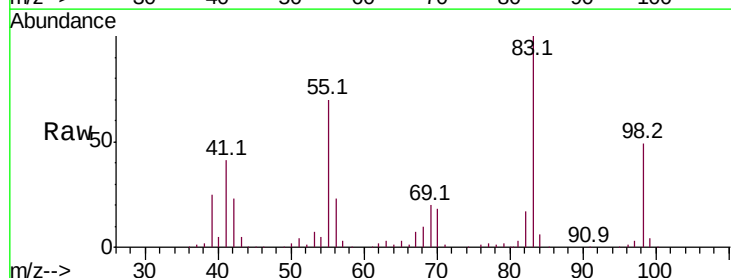
Tgt Ion: 83 Resp: 85471

Ion Ratio Lower Upper

83 100

55 72.5 59.4 89.2

98 48.3 38.1 57.1

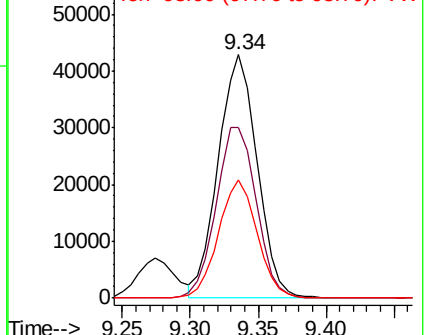
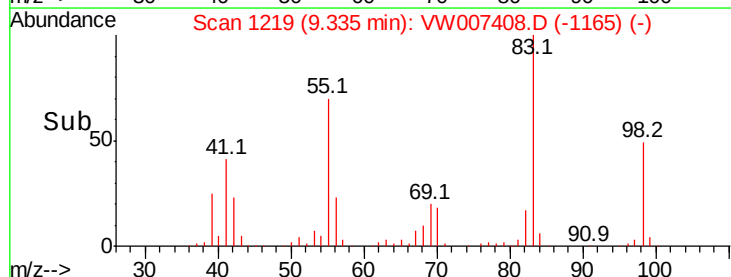


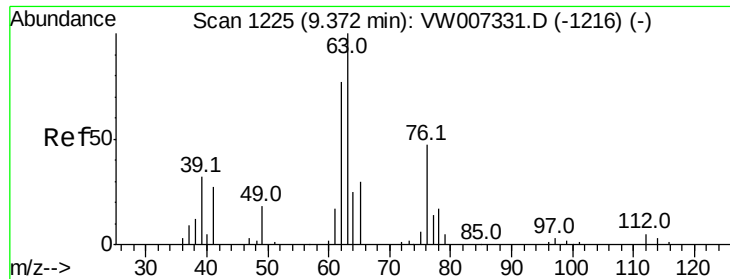
Abundance

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: 23.458 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW007408.D

Acq: 11 Dec 2018 20:10

Instrument :

MSVOA_W

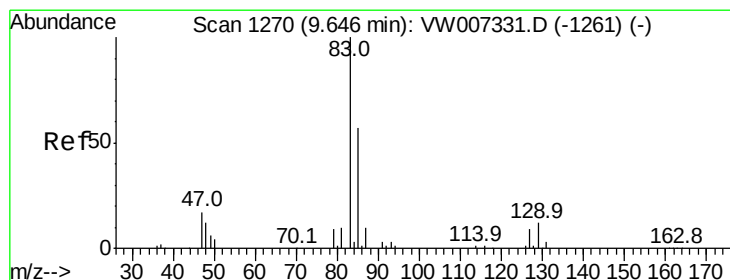
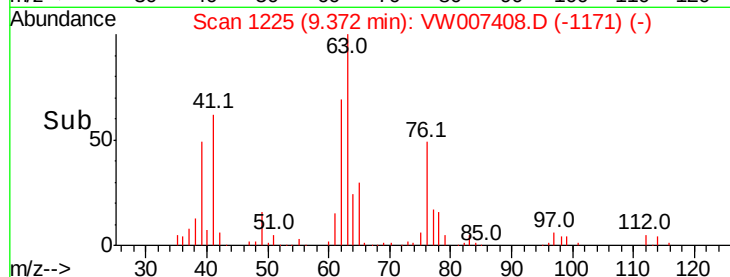
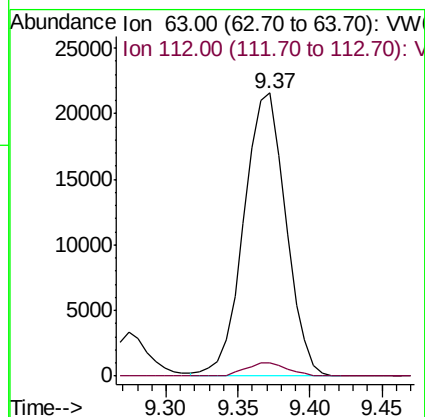
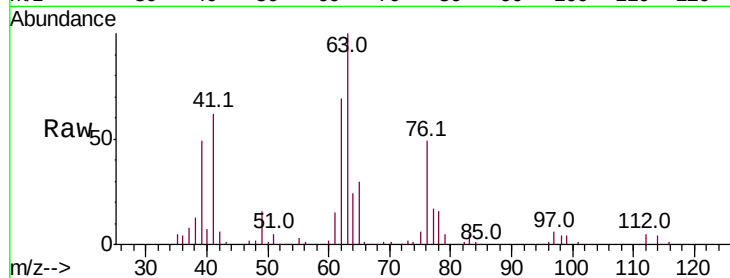
ClientSampled :

Tot Ion: 63 Resp: 43709

Ion Ratio Lower Upper

63 100

112 4.7 3.6 5.4



#41

Bromodichloromethane

Concen: 23.821 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW007408.D

Acq: 11 Dec 2018 20:10

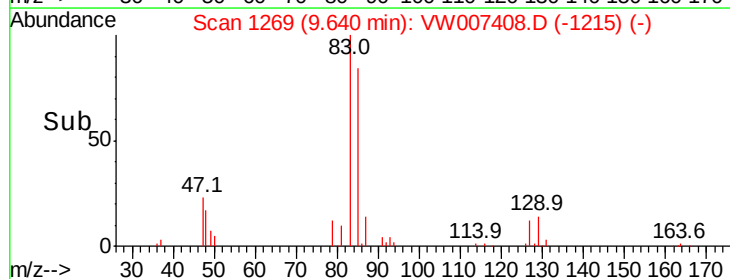
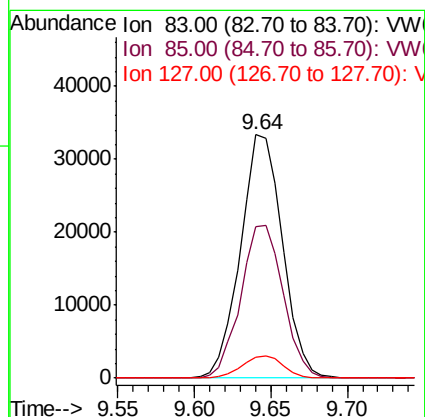
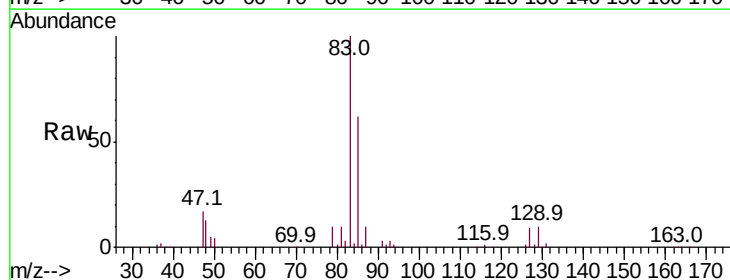
Tgt Ion: 83 Resp: 63730

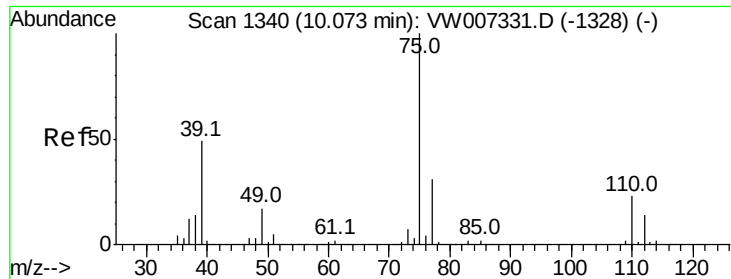
Ion Ratio Lower Upper

83 100

85 62.4 44.9 83.5

127 8.7 7.4 11.2

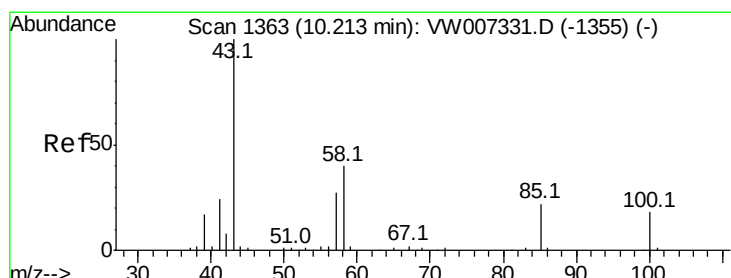
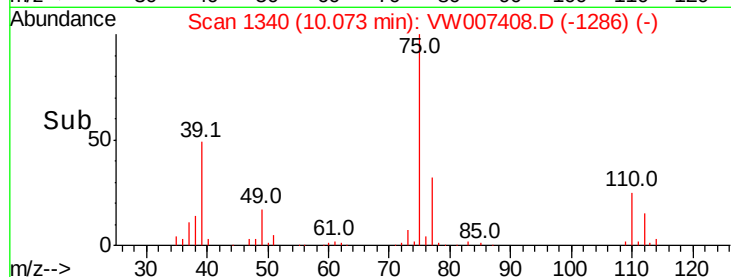
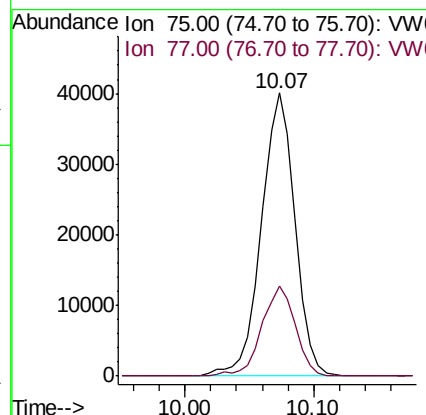
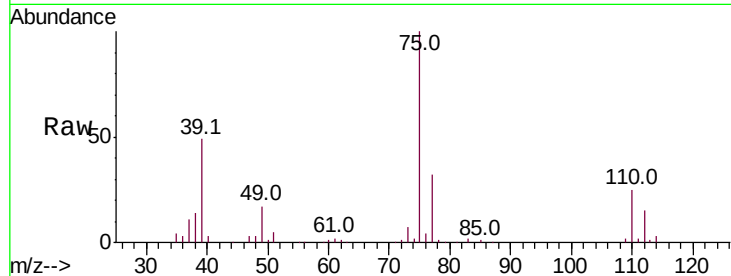




#42
 cis-1,3-Dichloropropene
 Concen: 23.050 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW007408.D
 Acq: 11 Dec 2018 20:10

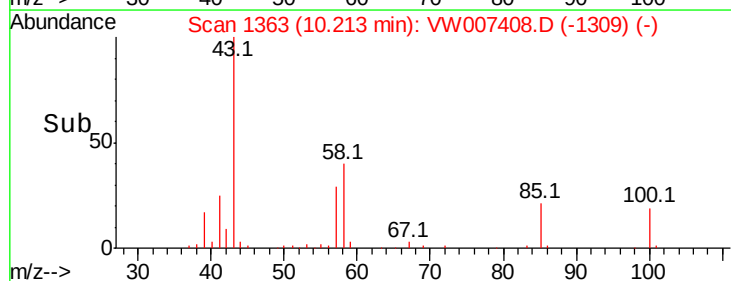
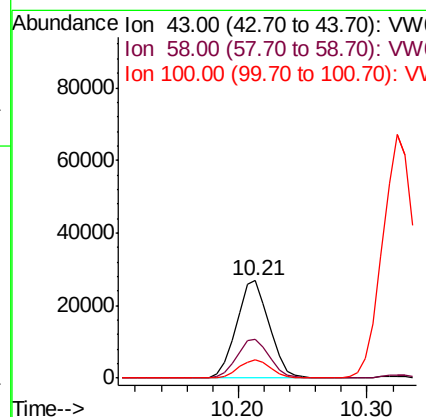
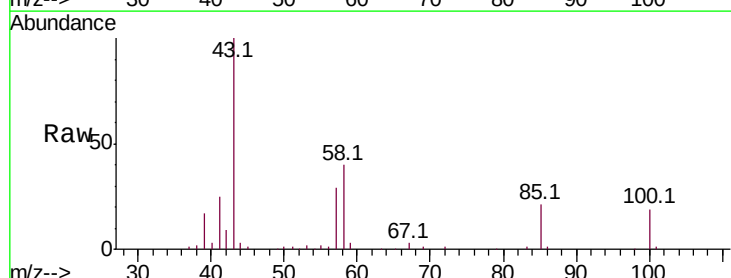
Instrument :
 MSVOA_W
 ClientSampled :

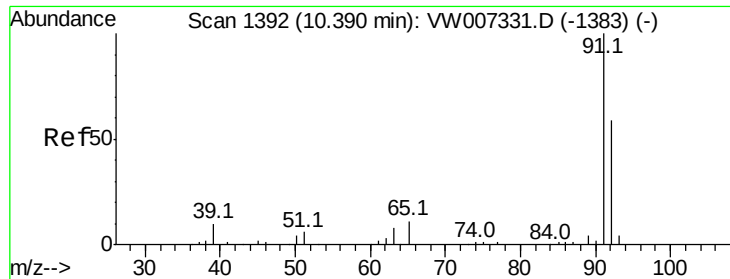
Tot Ion: 75 Resp: 72128
 Ion Ratio Lower Upper
 75 100
 77 32.0 23.0 42.6



#43
 4-Methyl-2-pentanone
 Concen: 32.284 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW007408.D
 Acq: 11 Dec 2018 20:10

Tgt Ion: 43 Resp: 47612
 Ion Ratio Lower Upper
 43 100
 58 39.6 32.6 48.8
 100 18.4 13.8 20.8





#44

Toluene

Concen: 24.894 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW007408.D

Acq: 11 Dec 2018 20:10

Instrument :

MSVOA_W

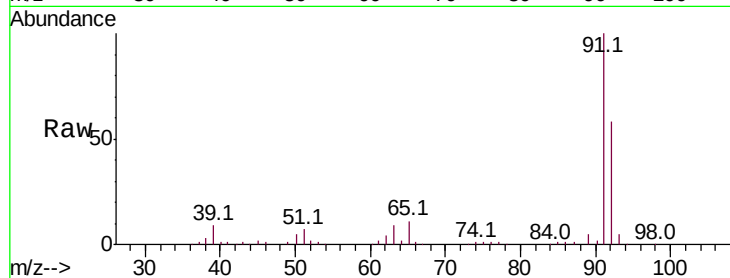
ClientSampleId :

Tot Ion: 91 Resp: 204388

Ion Ratio Lower Upper

91 100

92 58.2 38.2 71.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

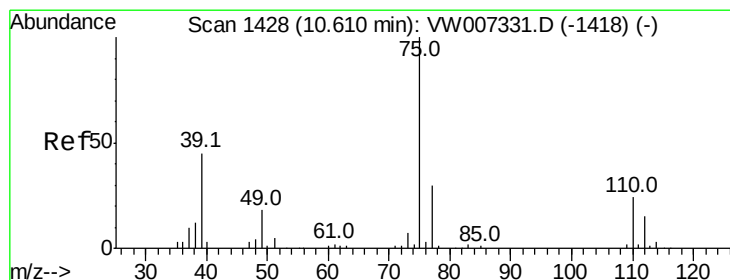
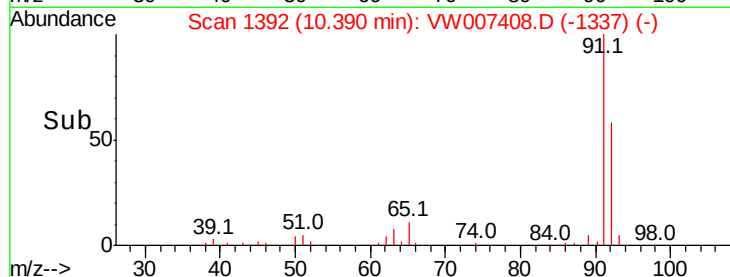
10.39

100000

50000

0

Time--> 10.30 10.35 10.40 10.45



#45

trans-1,3-Dichloropropene

Concen: 23.212 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW007408.D

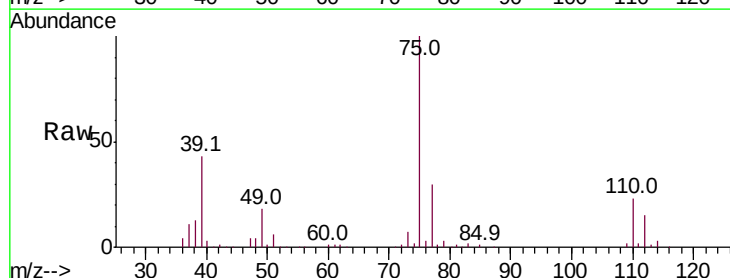
Acq: 11 Dec 2018 20:10

Tgt Ion: 75 Resp: 63784

Ion Ratio Lower Upper

75 100

77 30.3 22.6 42.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.60

40000

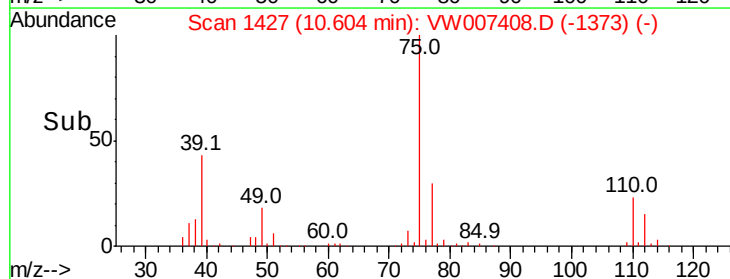
30000

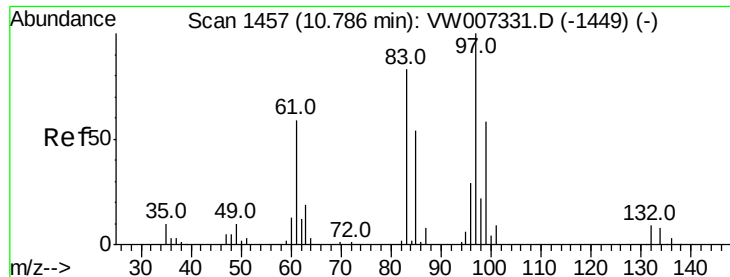
20000

10000

0

Time--> 10.50 10.60 10.70





#46

1,1,2-Trichloroethane

Concen: 21.916 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW007408.D

Acq: 11 Dec 2018 20:10

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 33625

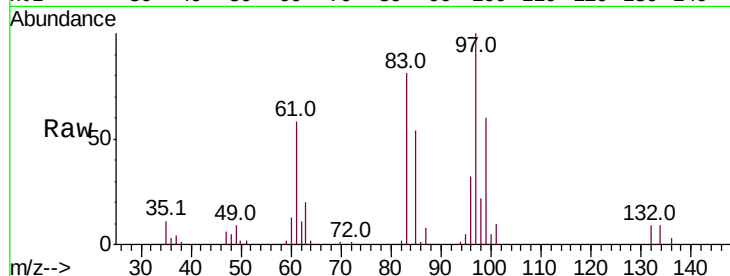
Ion Ratio Lower Upper

97 100

83 81.3 61.2 113.8

85 54.4 42.5 78.9

99 60.0 45.7 84.9



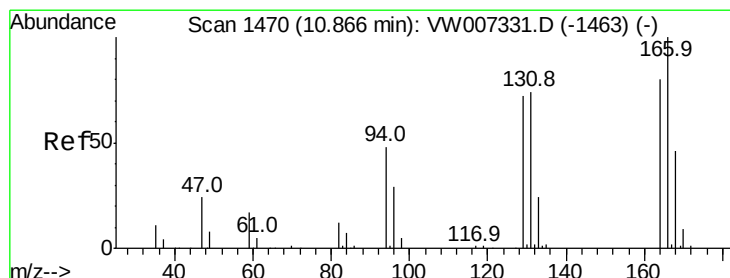
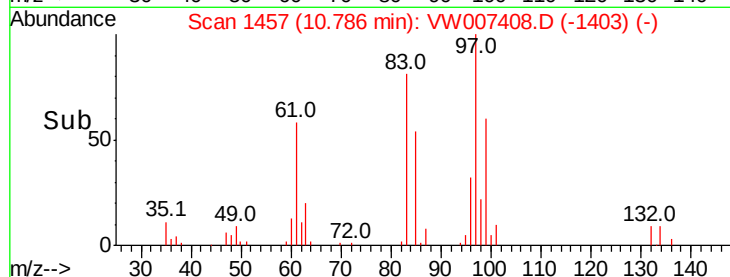
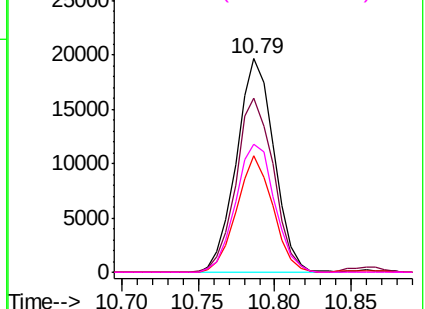
Abundance

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: 25.050 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW007408.D

Acq: 11 Dec 2018 20:10

Tgt Ion: 164 Resp: 41331

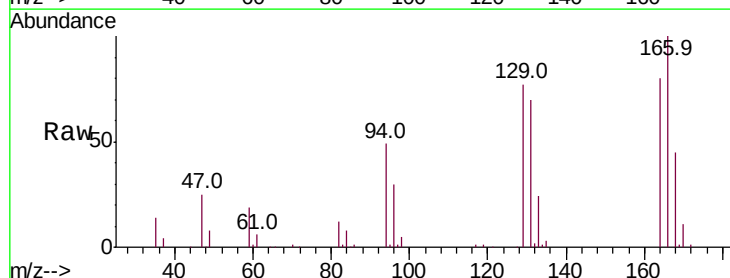
Ion Ratio Lower Upper

164 100

129 95.6 70.8 131.6

131 87.5 70.4 130.8

166 124.3 84.2 156.4



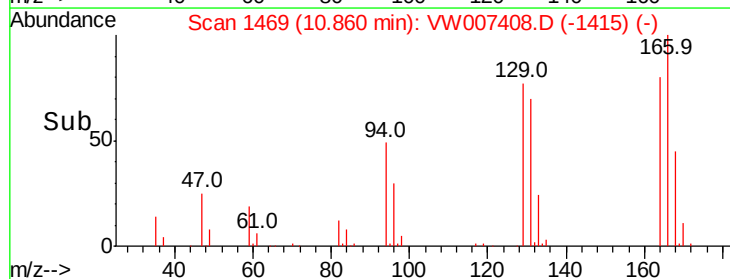
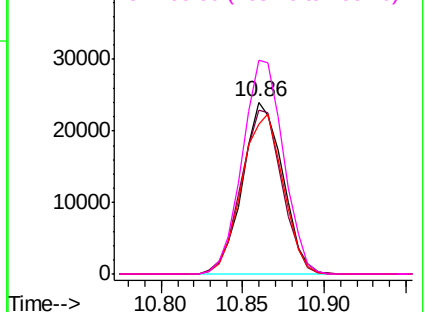
Abundance

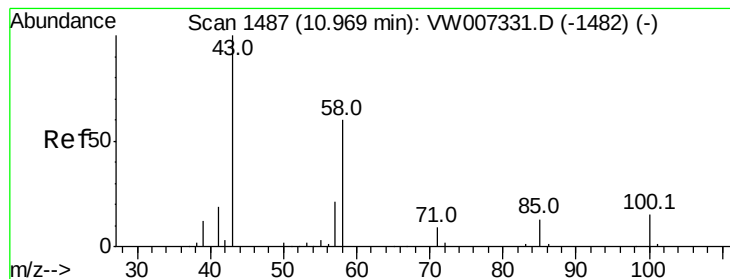
Ion 164.00 (163.70 to 164.70): V

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: 33.135 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW007408.D

Acq: 11 Dec 2018 20:10

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 34345

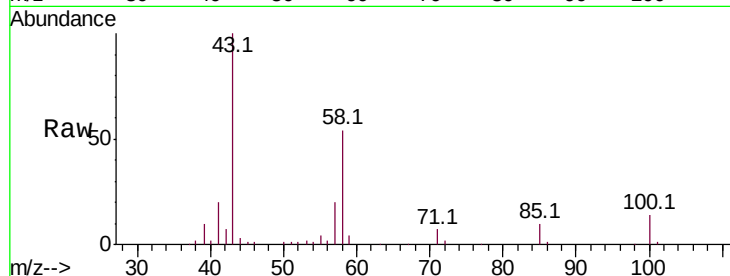
Ion Ratio Lower Upper

43 100

58 55.4 47.2 70.8

57 20.8 17.6 26.4

100 13.6 12.2 18.2

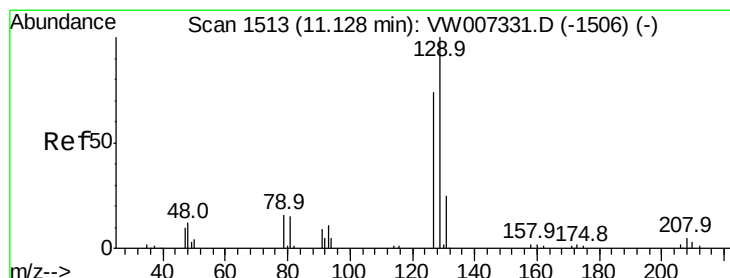
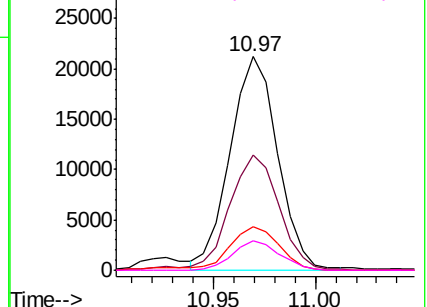
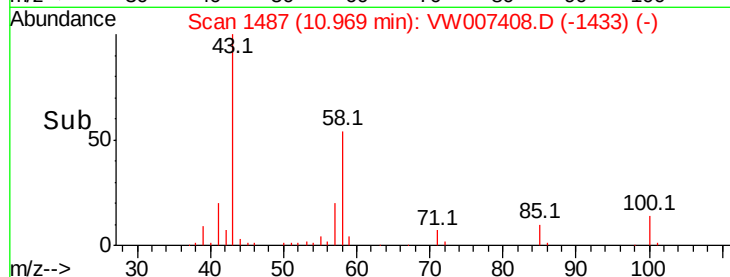


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 24.354 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW007408.D

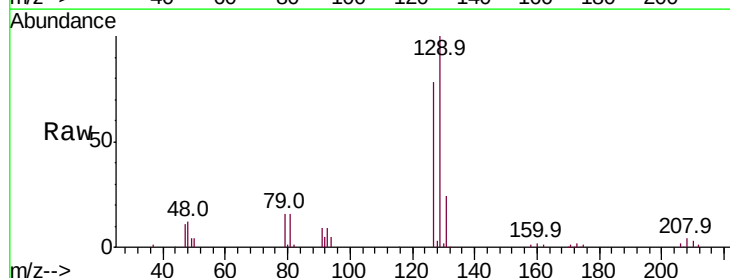
Acq: 11 Dec 2018 20:10

Tgt Ion: 129 Resp: 45902

Ion Ratio Lower Upper

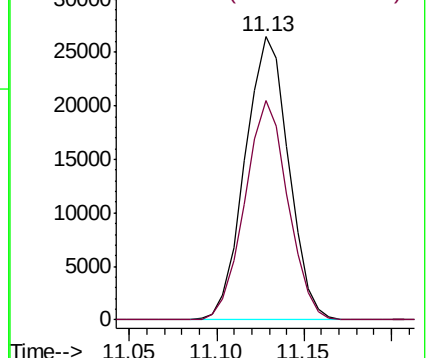
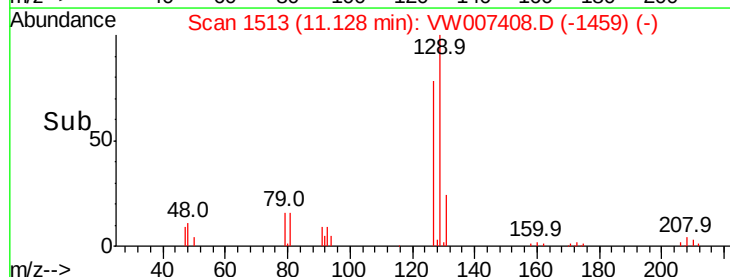
129 100

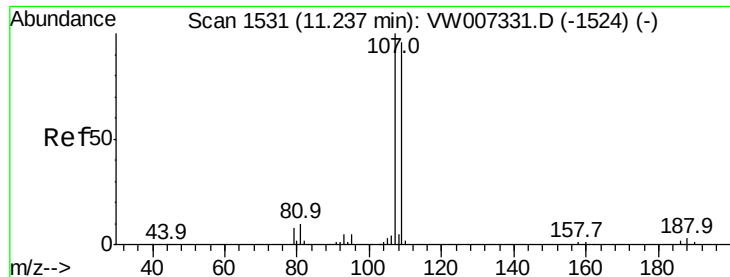
127 77.7 53.8 100.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

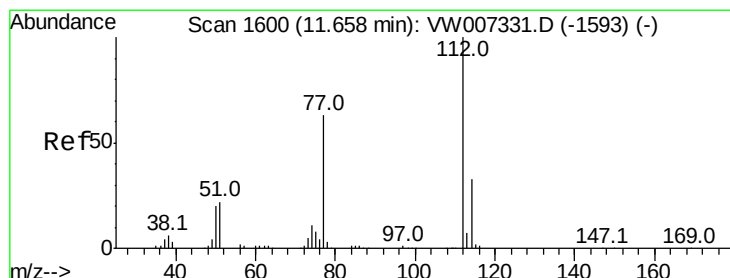
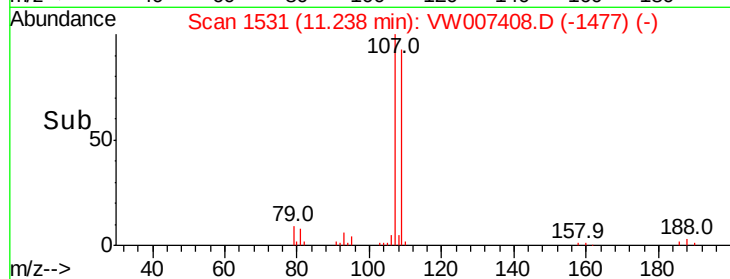
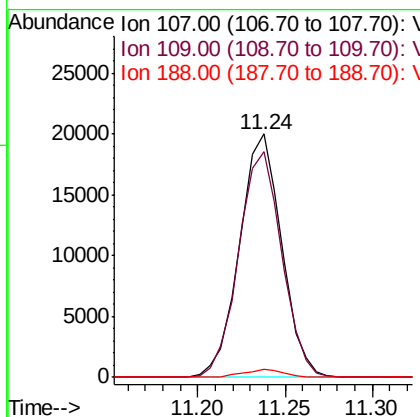
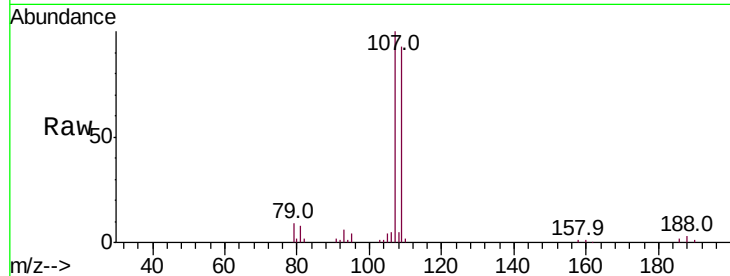




#51
 1,2-Dibromoethane
 Concen: 21.690 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW007408.D
 Acq: 11 Dec 2018 20:10

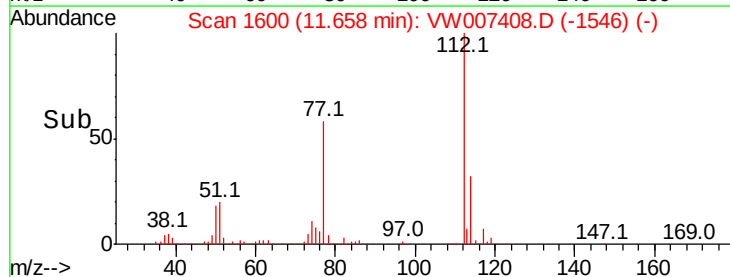
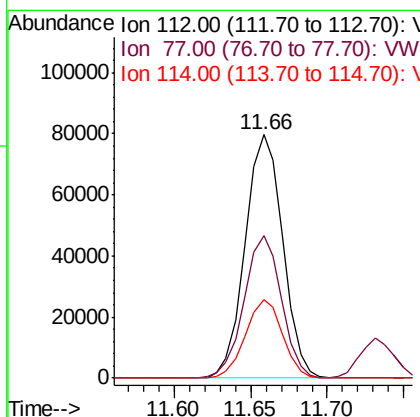
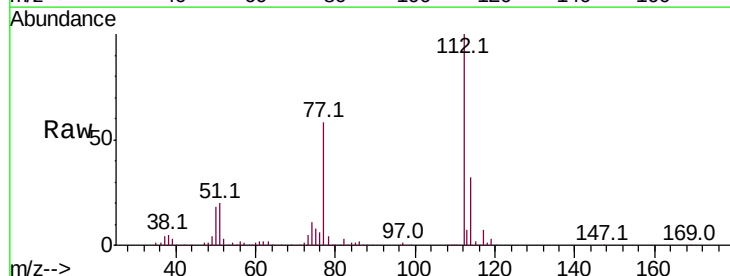
Instrument :
 MSVOA_W
 ClientSampled :

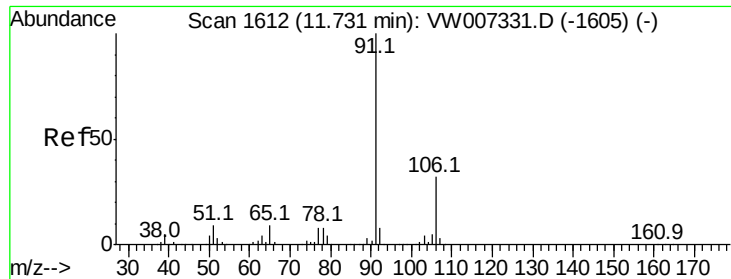
Tot Ion:107 Resp: 33422
 Ion Ratio Lower Upper
 107 100
 109 92.7 67.6 125.6
 188 3.2 2.6 4.0



#52
 Chlorobenzene
 Concen: 25.546 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW007408.D
 Acq: 11 Dec 2018 20:10

Tgt Ion:112 Resp: 136120
 Ion Ratio Lower Upper
 112 100
 77 58.4 42.6 63.8
 114 32.0 23.0 42.8

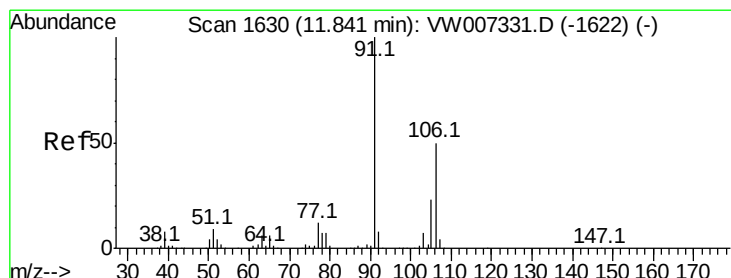
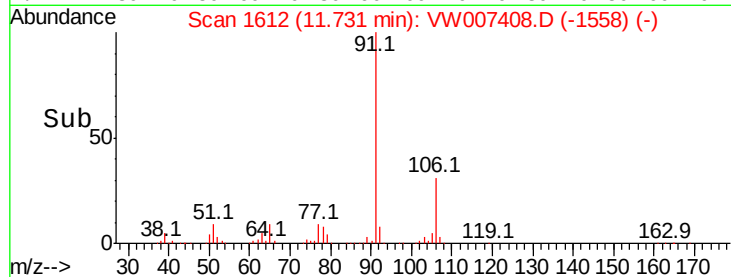
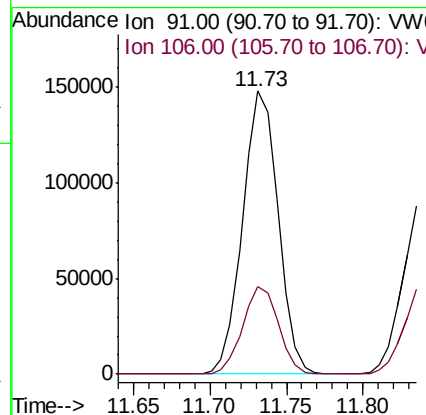
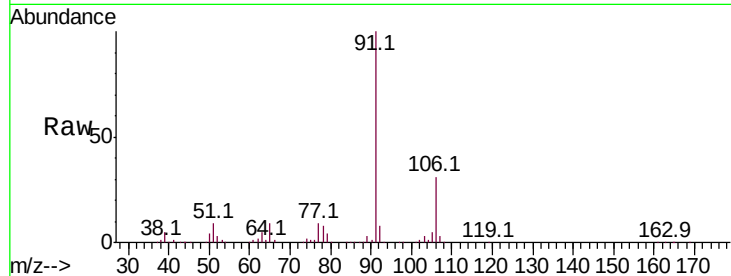




#53
Ethylbenzene
Concen: 25.872 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007408.D
Acq: 11 Dec 2018 20:10

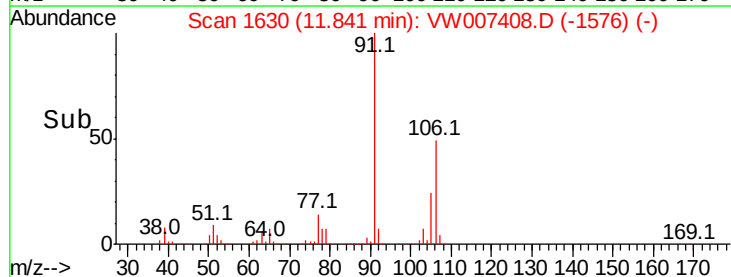
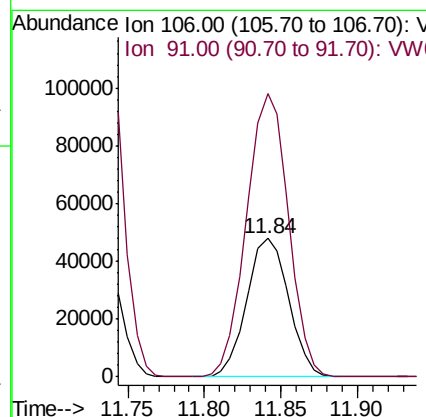
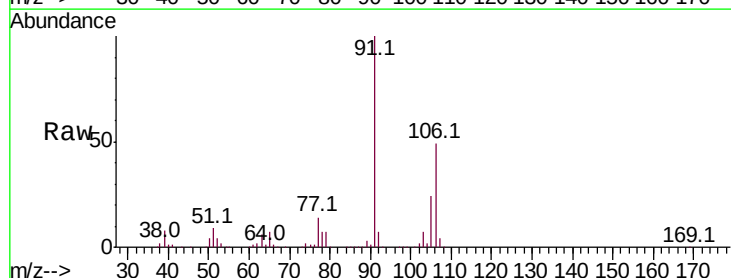
Instrument :
MSVOA_W
ClientSampleId :

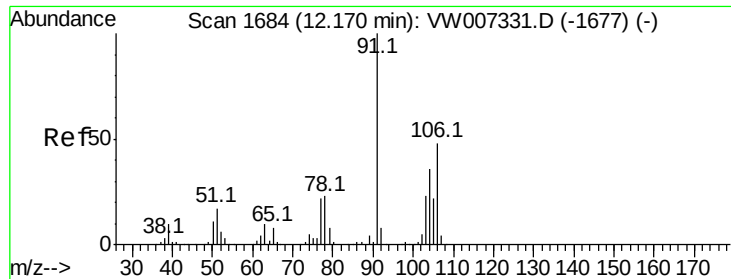
Tot Ion: 91 Resp: 238847
Ion Ratio Lower Upper
91 100
106 31.0 20.2 37.4



#54
m,p-Xylene
Concen: 26.071 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW007408.D
Acq: 11 Dec 2018 20:10

Tgt Ion:106 Resp: 91431
Ion Ratio Lower Upper
106 100
91 204.2 132.2 245.6

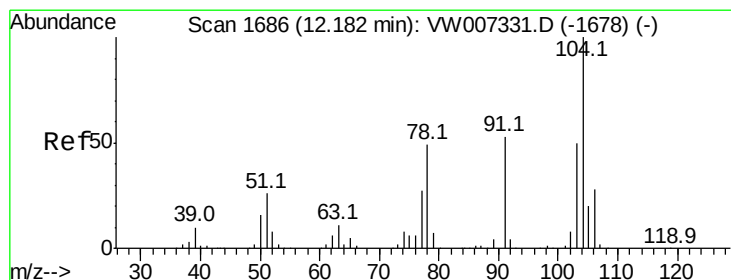
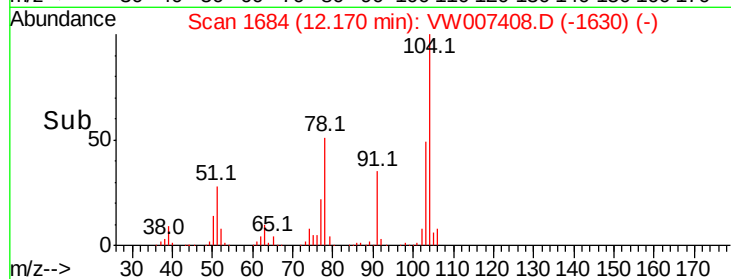
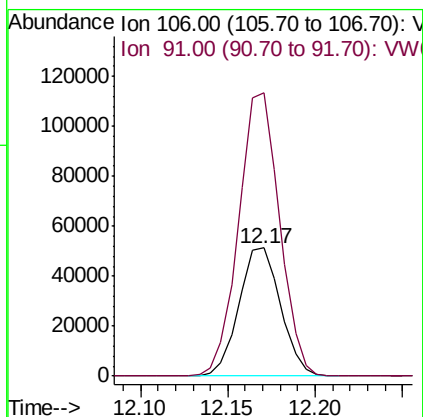
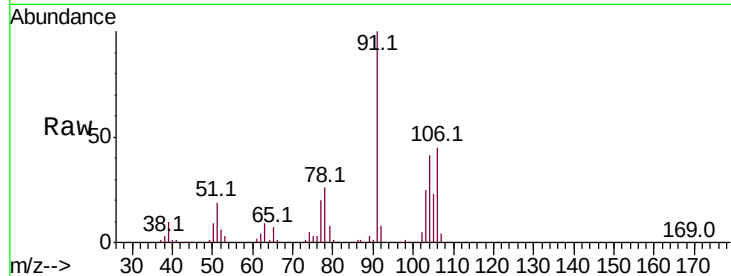




#55
o-xylene
Concen: 25.759 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW007408.D
Acq: 11 Dec 2018 20:10

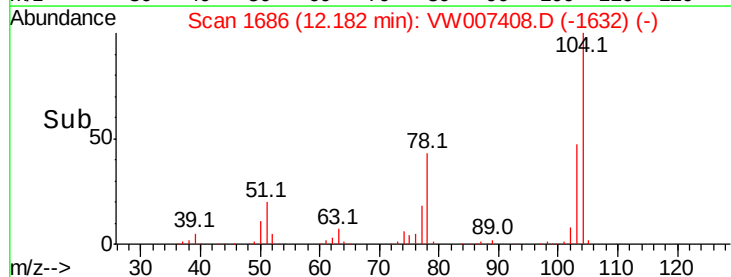
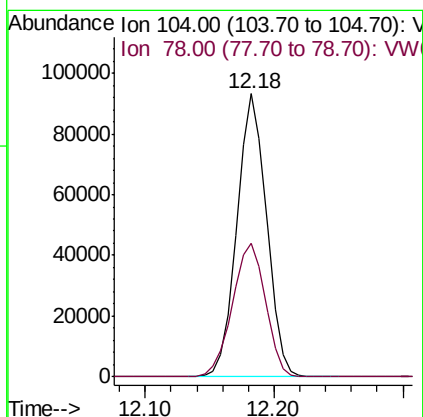
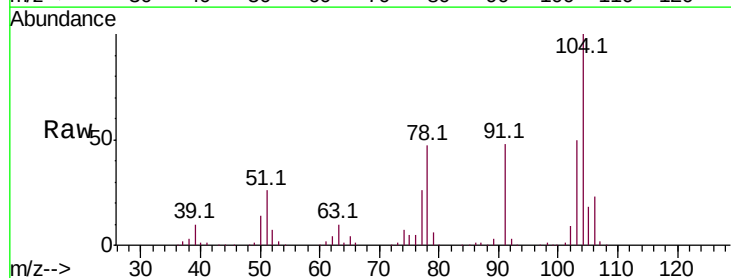
Instrument :
MSVOA_W
ClientSampled :

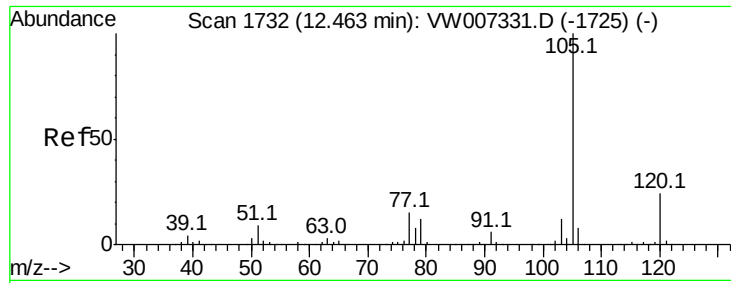
Tot Ion:106 Resp: 85370
Ion Ratio Lower Upper
106 100
91 220.5 147.0 273.0



#56
Styrene
Concen: 26.105 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW007408.D
Acq: 11 Dec 2018 20:10

Tgt Ion:104 Resp: 148302
Ion Ratio Lower Upper
104 100
78 47.0 31.8 59.0





#57

Isopropylbenzene

Concen: 25.674 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW007408.D

Acq: 11 Dec 2018 20:10

Instrument :

MSVOA_W

ClientSampleId :

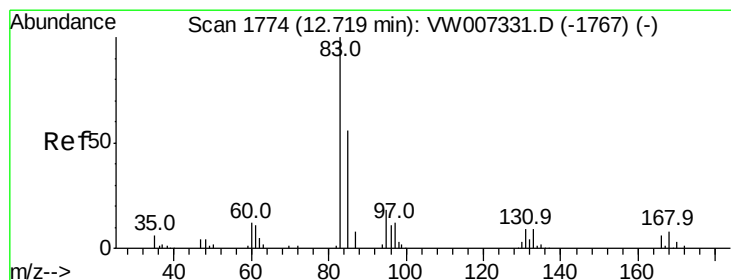
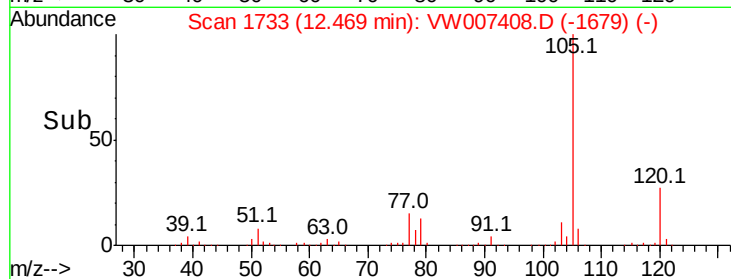
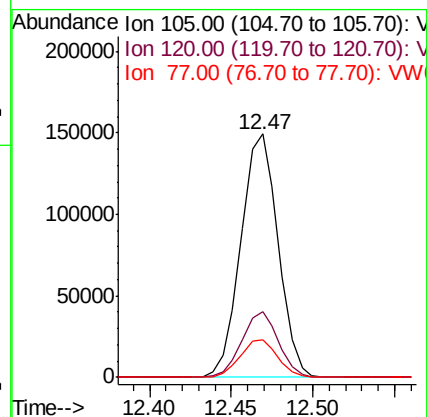
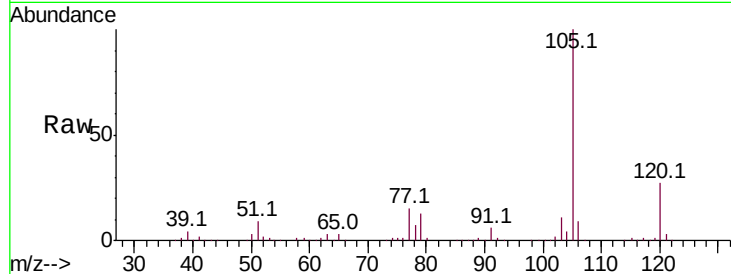
Tot Ion:105 Resp: 237478

Ion Ratio Lower Upper

105 100

120 26.4 20.6 30.8

77 15.6 12.2 18.2



#58

1,1,2,2-Tetrachloroethane

Concen: 20.371 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW007408.D

Acq: 11 Dec 2018 20:10

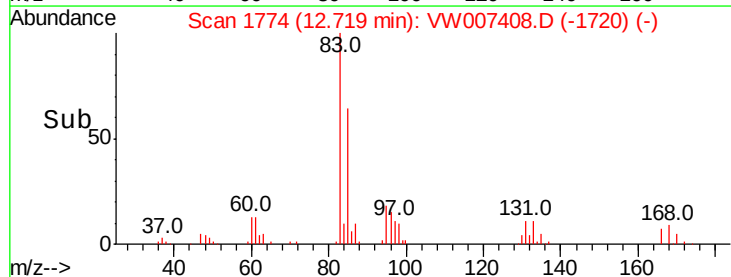
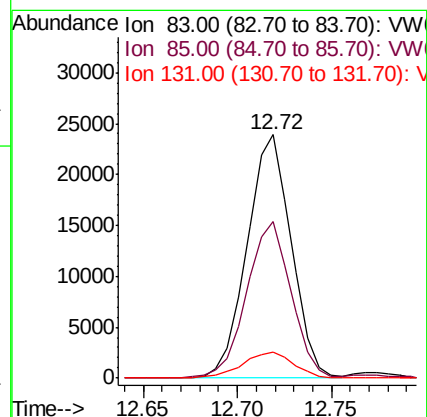
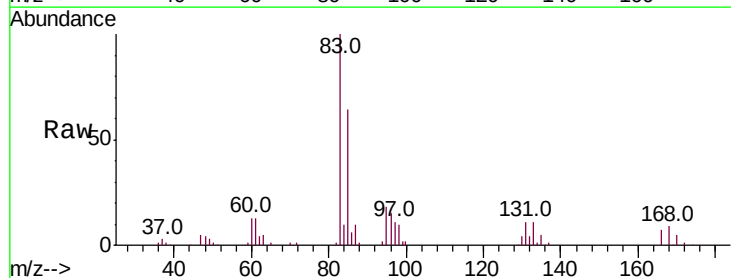
Tgt Ion: 83 Resp: 38745

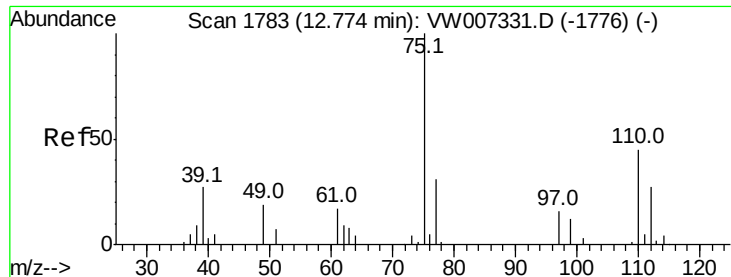
Ion Ratio Lower Upper

83 100

85 64.2 46.2 85.8

131 10.9 7.8 11.6





#59

1,2,3-Trichloropropane

Concen: 18.977 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW007408.D

Acq: 11 Dec 2018 20:10

Instrument :

MSVOA_W

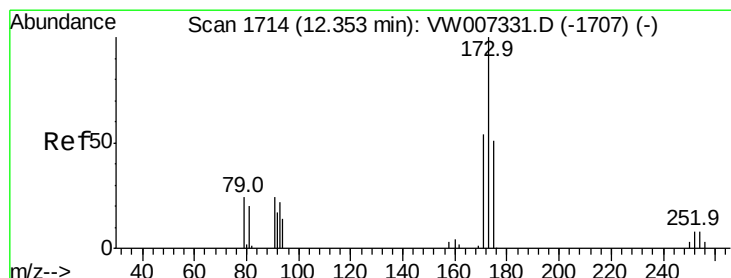
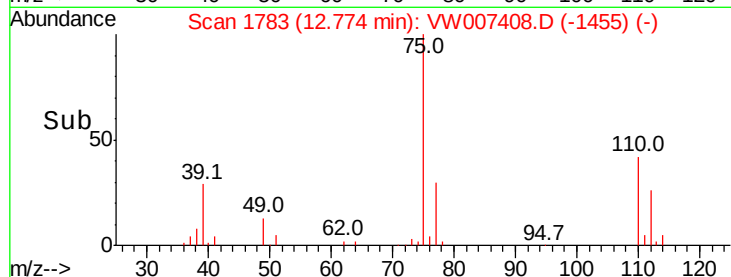
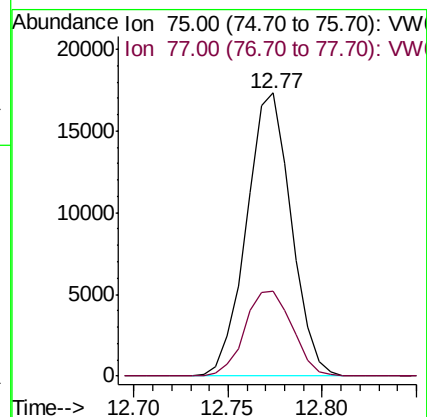
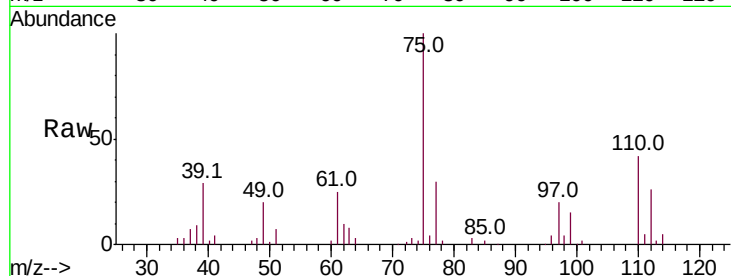
ClientSampleId :

Tot Ion: 75 Resp: 28571

Ion Ratio Lower Upper

75 100

77 31.8 26.5 39.7



#62

Bromoform

Concen: 21.434 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW007408.D

Acq: 11 Dec 2018 20:10

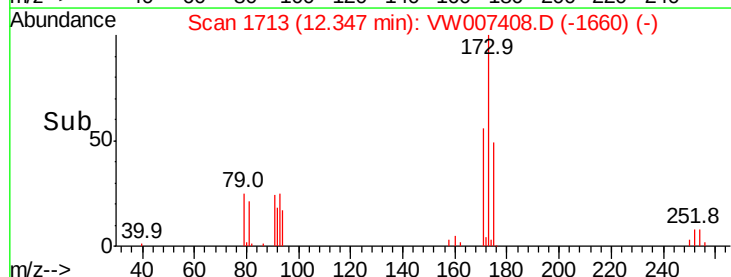
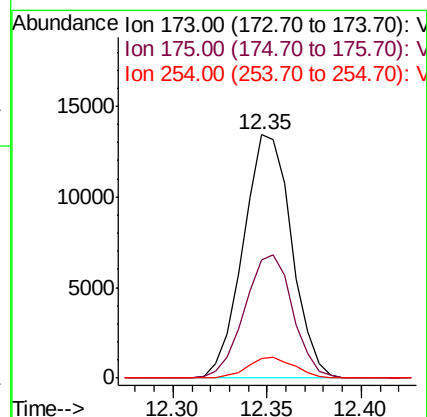
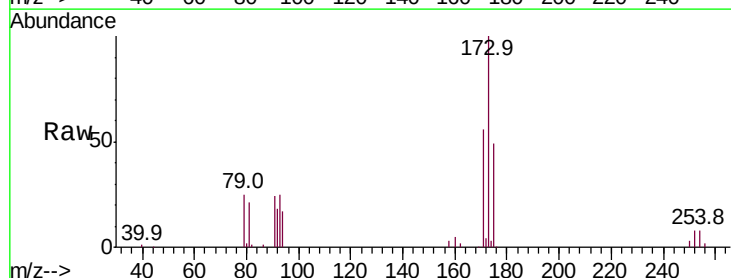
Tgt Ion:173 Resp: 23944

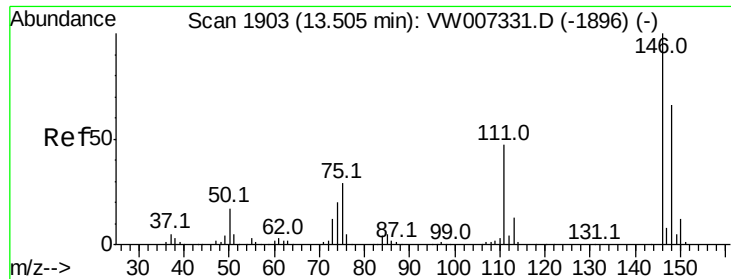
Ion Ratio Lower Upper

173 100

175 50.3 38.6 58.0

254 8.3 6.4 9.6

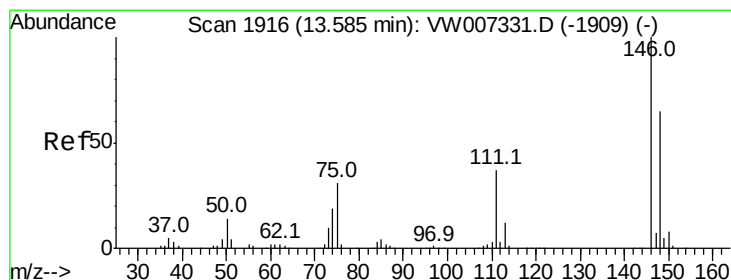
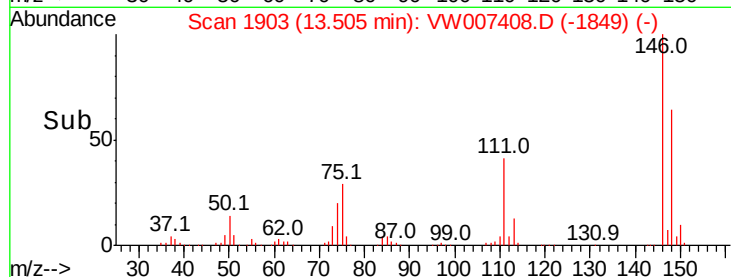
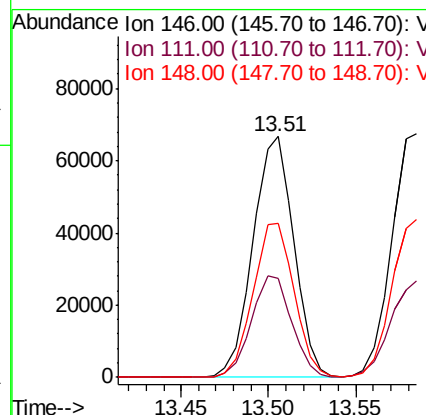
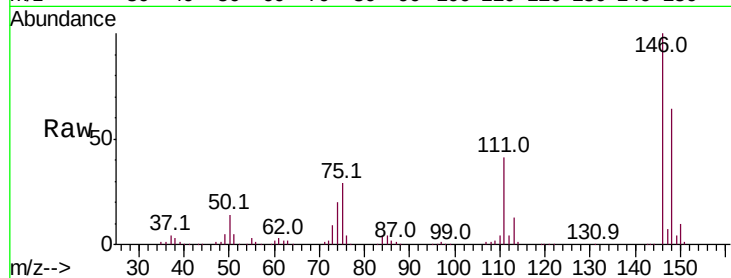




#63
 1,3-Dichlorobenzene
 Concen: 25.869 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW007408.D
 Acq: 11 Dec 2018 20:10

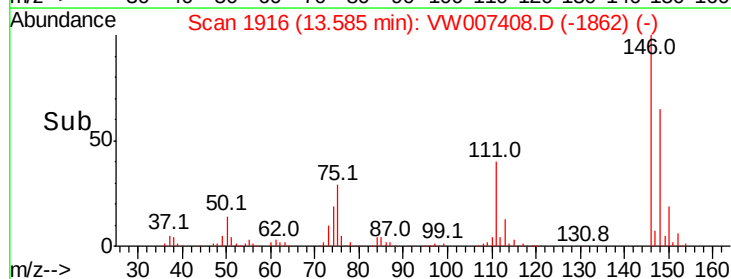
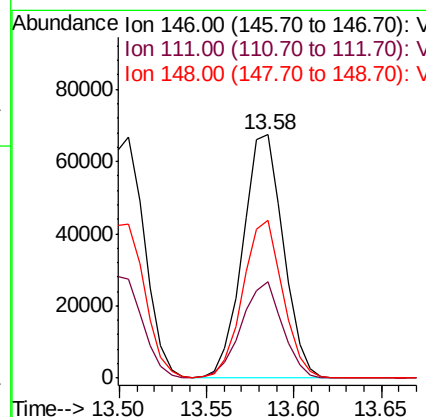
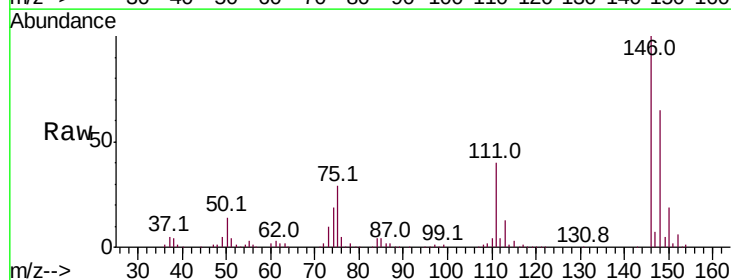
Instrument :
 MSVOA_W
 ClientSampled :

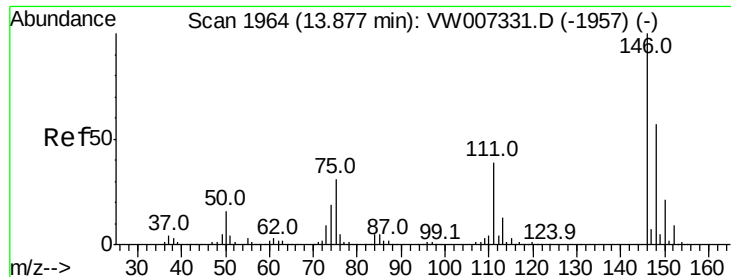
Tot Ion:146 Resp: 108410
 Ion Ratio Lower Upper
 146 100
 111 40.9 31.0 57.6
 148 64.0 44.7 83.1



#64
 1,4-Dichlorobenzene
 Concen: 26.092 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW007408.D
 Acq: 11 Dec 2018 20:10

Tgt Ion:146 Resp: 109004
 Ion Ratio Lower Upper
 146 100
 111 39.9 24.8 46.0
 148 64.9 38.7 71.9





#65

1,2-Dichlorobenzene

Concen: 25.622 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.01 min

Lab File: VW007408.D

Acq: 11 Dec 2018 20:10

Instrument :

MSVOA_W

ClientSampled :

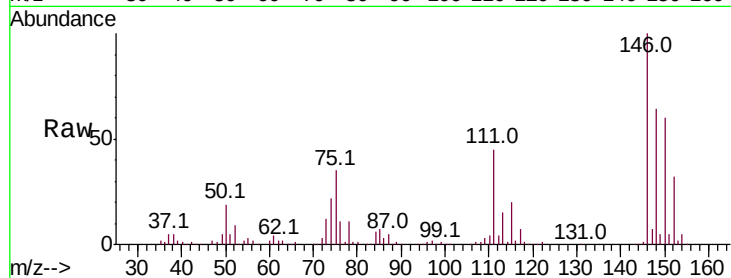
Tot Ion:146 Resp: 96093

Ion	Ratio	Lower	Upper
146	100		
111	45.2	39.3	58.9
148	64.5	51.8	77.8

146 100

111 45.2 39.3 58.9

148 64.5 51.8 77.8

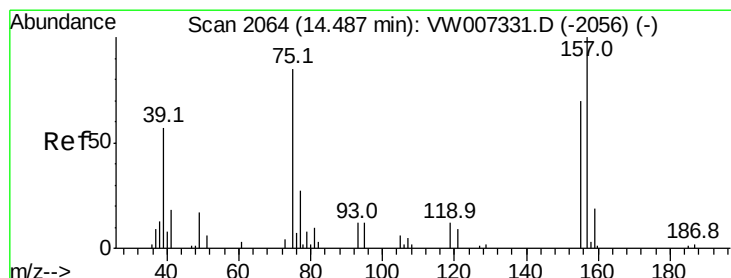
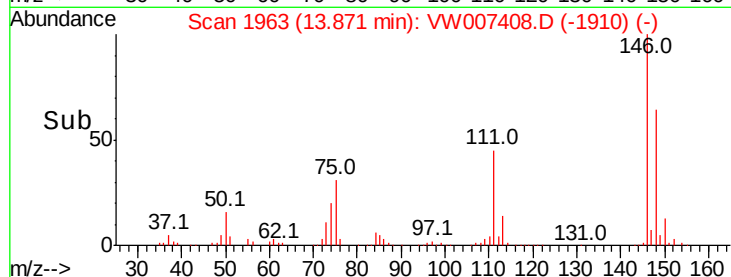
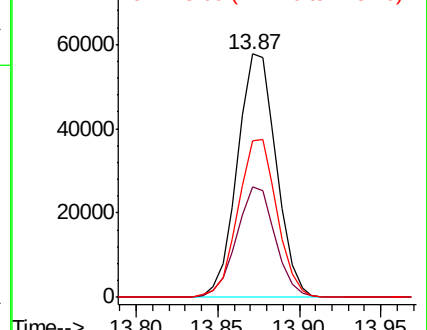


Abundance

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: 17.478 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. -0.01 min

Lab File: VW007408.D

Acq: 11 Dec 2018 20:10

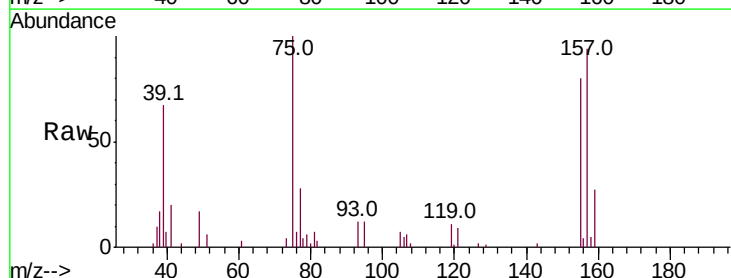
Tgt Ion: 75 Resp: 6943

Ion	Ratio	Lower	Upper
75	100		
157	93.8	86.0	129.0
155	80.0	64.9	97.3

75 100

157 93.8 86.0 129.0

155 80.0 64.9 97.3

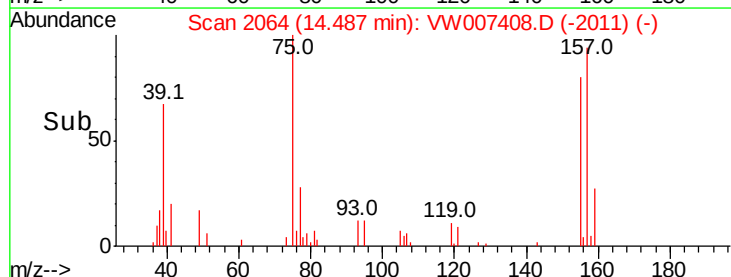
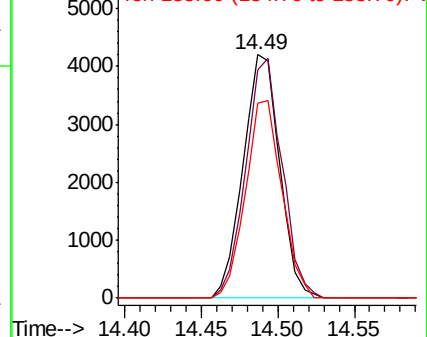


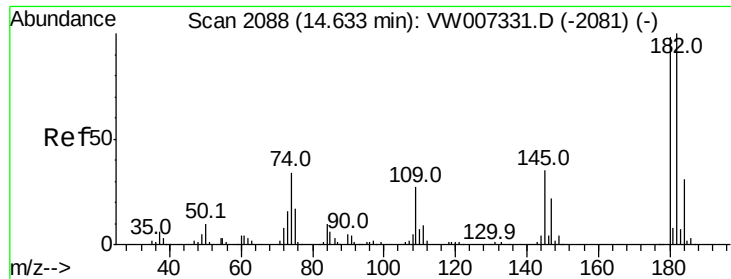
Abundance

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

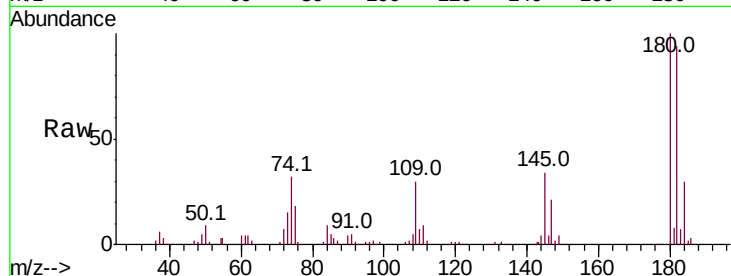




#67
 1,3,5-Trichlorobenzene
 Concen: 25.817 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW007408.D
 Acq: 11 Dec 2018 20:10

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:	180	Resp:	78373
Ion	Ratio	Lower	Upper
180	100		
182	95.7	74.6	111.8
184	30.4	24.7	37.1
145	33.7	27.2	40.8



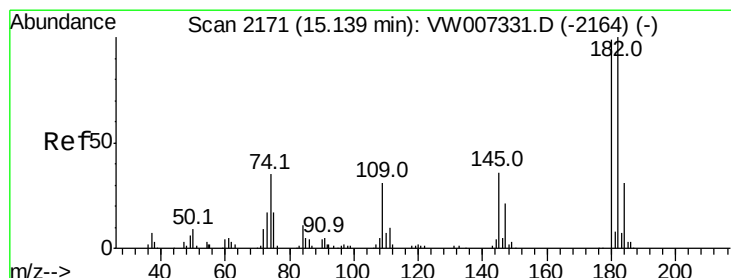
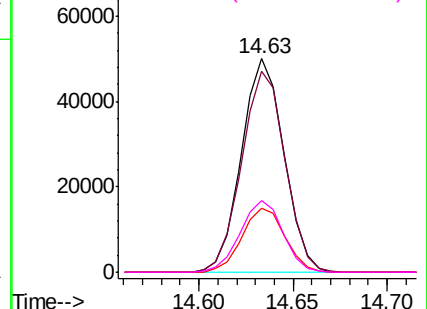
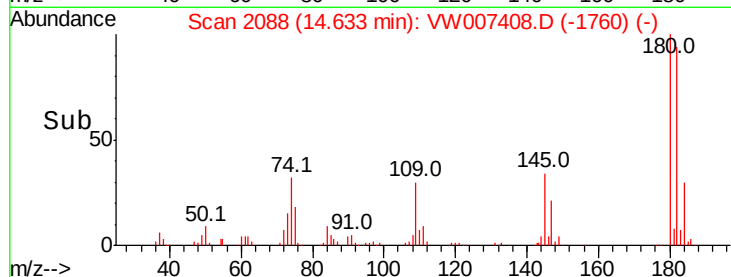
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

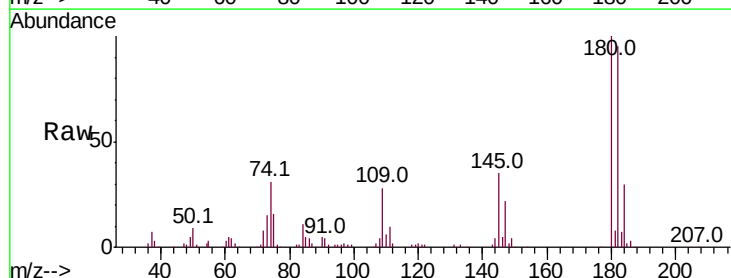
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 24.907 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW007408.D
 Acq: 11 Dec 2018 20:10

Tgt Ion:	180	Resp:	65186
Ion	Ratio	Lower	Upper
180	100		
182	95.7	77.4	116.2
145	34.0	28.4	42.6

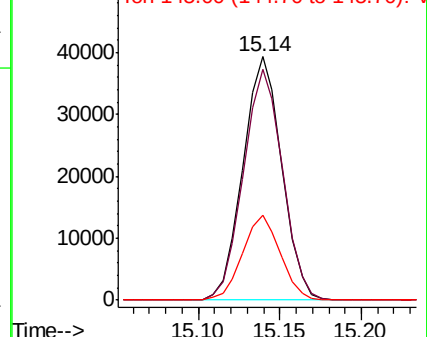
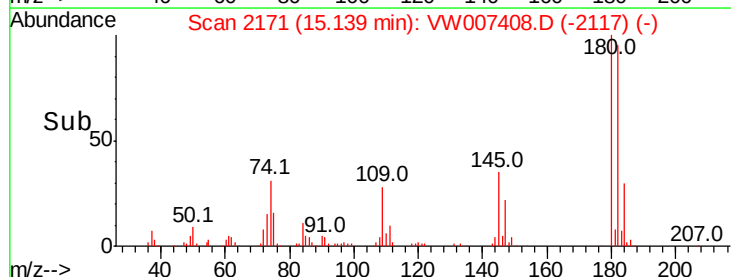


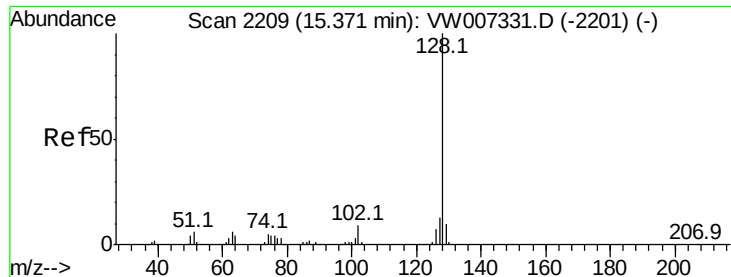
Abundance

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: 19.803 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW007408.D

Acq: 11 Dec 2018 20:10

Instrument :

MSVOA_W

ClientSampleId :

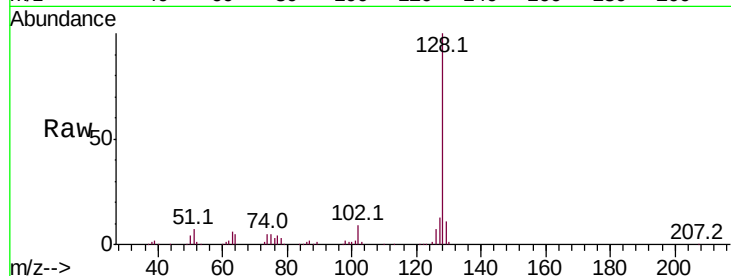
Tot Ion:128 Resp: 128112

Ion Ratio Lower Upper

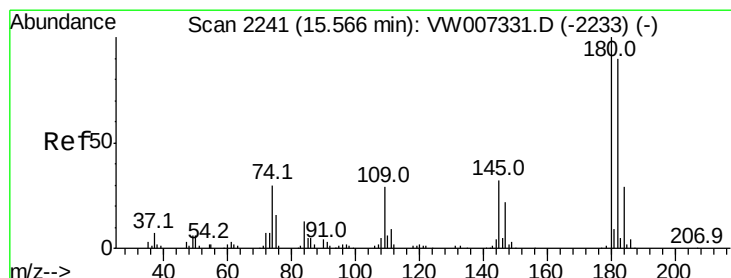
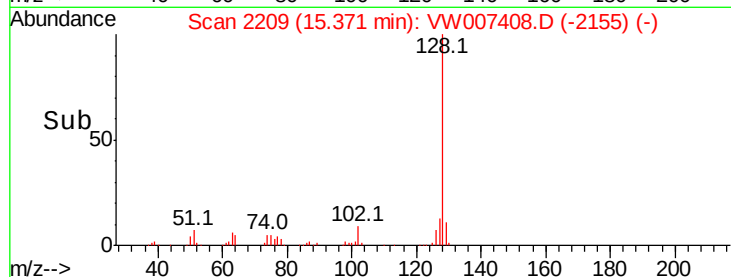
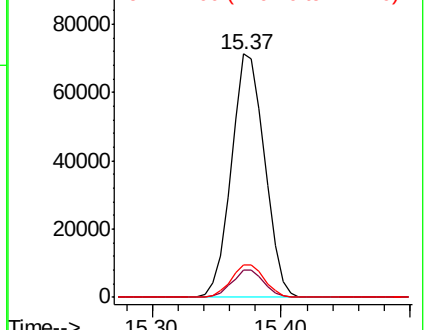
128 100

129 10.8 8.8 13.2

127 13.4 10.7 16.1



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: 23.955 ug/L

RT: 15.57 min Scan# 2241

Delta R.T. 0.00 min

Lab File: VW007408.D

Acq: 11 Dec 2018 20:10

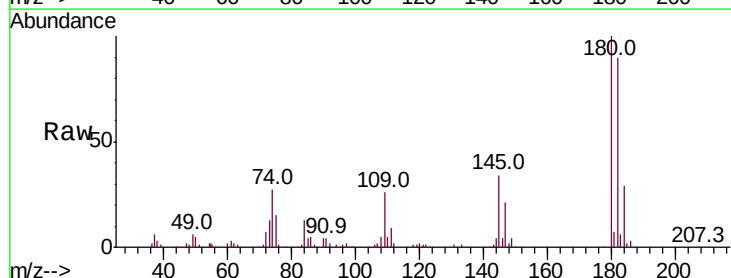
Tgt Ion:180 Resp: 56997

Ion Ratio Lower Upper

180 100

182 95.6 76.2 114.4

145 36.0 27.4 41.0



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

