

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032119\
 Data File : VW009337.D
 Acq On : 21 Mar 2019 20:18
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 6.12G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Mar 22 09:44:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 22 09:38:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	426677	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	406347	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	217173	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	125462	24.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.44%
7) Chloroethane-d5	2.89	69	129961	21.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.12%
10) 1,1-Dichloroethene-d2	4.02	63	279682	25.38	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	101.52%
20) 2-Butanone-d5	7.07	46	86224	40.89	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	81.78%
24) Chloroform-d	7.65	84	292611	25.13	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.52%
26) 1,2-Dichloroethane-d4	8.31	65	169361	24.14	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.56%
29) Benzene-d6	8.27	84	547103	24.41	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.64%
33) 1,2-Dichloropropane-d6	9.27	67	166618	24.75	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.00%
37) Toluene-d8	10.32	98	508713	24.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.20%
38) trans-1,3-Dichloropropene-	10.58	79	76424	22.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.44%
39) 2-Hexanone-d5	10.93	63	69779	42.80	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.60%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	157602	23.78	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.12%
61) 1,2-Dichlorobenzene-d4	13.86	152	194964	23.41	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.64%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	156875	27.910	ug/L 99
3) Chloromethane	2.22	50	148064	24.829	ug/L 97
5) Vinyl chloride	2.37	62	191108	31.135	ug/L 98
6) Bromomethane	2.78	94	132812	25.827	ug/L 99
8) Chloroethane	2.93	64	131751	25.944	ug/L 98
9) Trichlorofluoromethane	3.26	101	107812	22.236	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	143822	25.686	ug/L # 94
12) 1,1-Dichloroethene	4.04	96	151081	28.755	ug/L 78
13) Acetone	4.12	43	78026	45.122	ug/L 99
14) Carbon disulfide	4.39	76	431206	30.494	ug/L 99
15) Methyl Acetate	4.67	43	76359	22.478	ug/L 95
16) Methylene chloride	4.92	84	164133	26.379	ug/L 98
17) Methyl tert-butyl Ether	5.43	73	176628	23.758	ug/L 98
18) trans-1,2-Dichloroethene	5.42	96	149612	27.083	ug/L 97
19) 1,1-Dichloroethane	6.21	63	279320	27.731	ug/L 98
21) 2-Butanone	7.17	43	112530	47.131	ug/L 95
22) cis-1,2-Dichloroethene	7.17	96	166572	27.835	ug/L 99

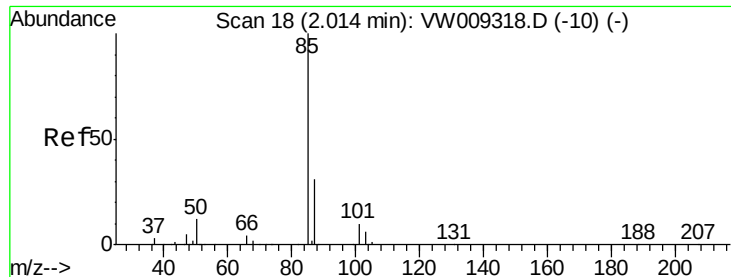
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032119\
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 Quant Title : VOC Analysis
 QLast Update : Fri Mar 22 09:38:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	77362	26.954	ug/L	97
25) Chloroform	7.67	83	302279	28.657	ug/L	98
27) 1,2-Dichloroethane	8.40	62	213523	27.150	ug/L	99
30) Cyclohexane	7.95	56	249278	27.012	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	231375	28.509	ug/L	99
32) Carbon tetrachloride	8.07	117	238492	29.126	ug/L	98
34) Benzene	8.32	78	638971	28.729	ug/L	100
35) Trichloroethene	9.09	95	163435	27.577	ug/L	99
36) Methylcyclohexane	9.34	83	282613	27.563	ug/L	100
40) 1,2-Dichloropropane	9.37	63	159712	27.984	ug/L	100
41) Bromodichloromethane	9.64	83	221029	27.951	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	248008	26.680	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	239761	46.361	ug/L	100
44) Toluene	10.39	91	693969	28.538	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	217176	26.858	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	120112	26.380	ug/L	98
47) Tetrachloroethene	10.86	164	137513	27.461	ug/L	96
49) 2-Hexanone	10.97	43	175966	48.310	ug/L	99
50) Dibromochloromethane	11.13	129	152729	27.172	ug/L	95
51) 1,2-Dibromoethane	11.23	107	120213	26.044	ug/L	96
52) Chlorobenzene	11.66	112	433226	27.777	ug/L	99
53) Ethylbenzene	11.73	91	779153	28.499	ug/L	98
54) m,p-Xylene	11.84	106	297730	28.664	ug/L	100
55) o-xylene	12.16	106	284649	28.091	ug/L	99
56) Styrene	12.18	104	496629	28.725	ug/L	96
57) Isopropylbenzene	12.46	105	779203	28.706	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	160089	26.062	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	114841	25.192	ug/L	98
62) Bromoform	12.35	173	93151	25.386	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	344605	26.624	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	361220	26.993	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	336266	27.242	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	27668	22.871	ug/L	92
67) 1,3,5-Trichlorobenzene	14.63	180	270965	26.840	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	221854	26.162	ug/L	99
69) Naphthalene	15.37	128	440637	25.063	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	213372	26.864	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 27.910 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW009337.D

Acq: 21 Mar 2019 20:18

Instrument :

MSVOA_W

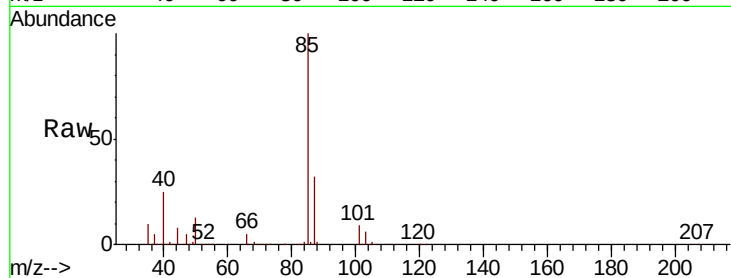
ClientSampleId :

Tot Ion: 85 Resp: 156875

Ion Ratio Lower Upper

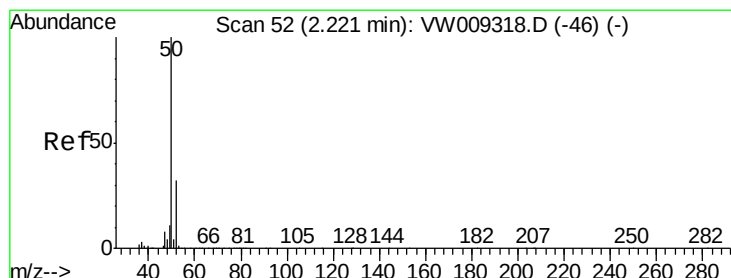
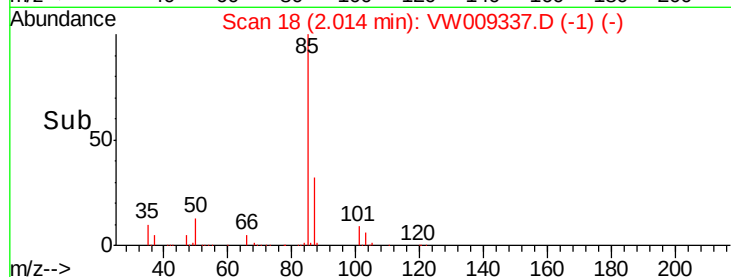
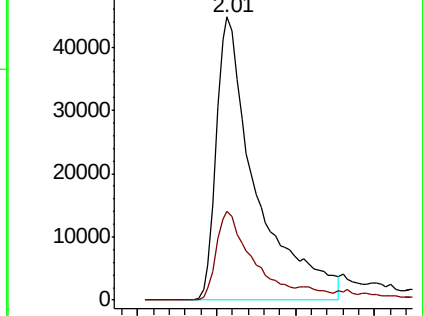
85 100

87 28.2 19.5 36.3



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 24.829 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.00 min

Lab File: VW009337.D

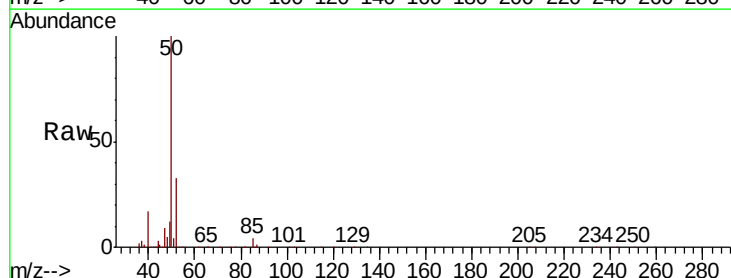
Acq: 21 Mar 2019 20:18

Tgt Ion: 50 Resp: 148064

Ion Ratio Lower Upper

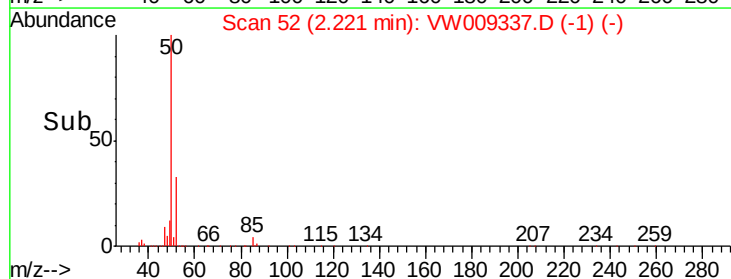
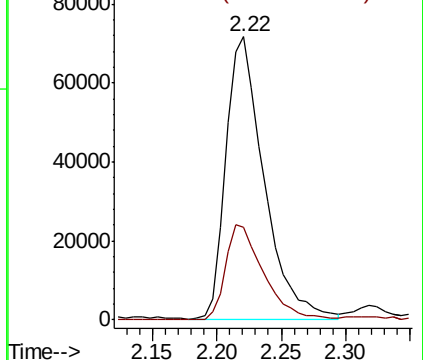
50 100

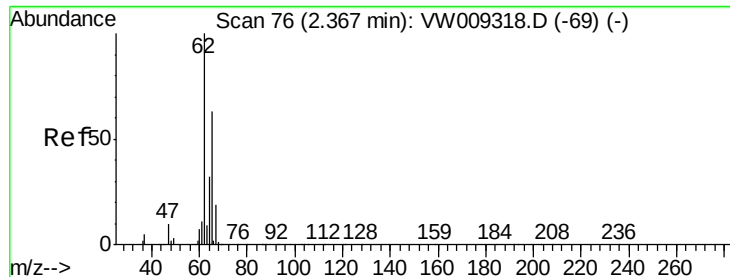
52 32.5 21.6 40.2



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 31.135 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW009337.D

Acq: 21 Mar 2019 20:18

Instrument :

MSVOA_W

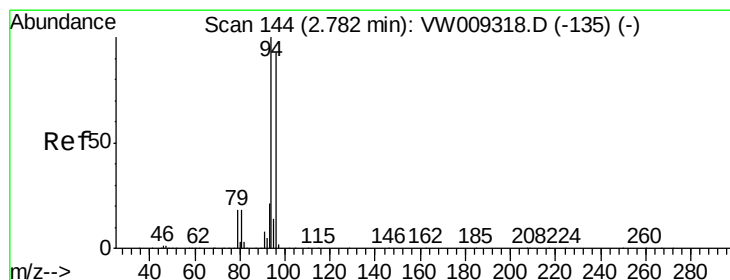
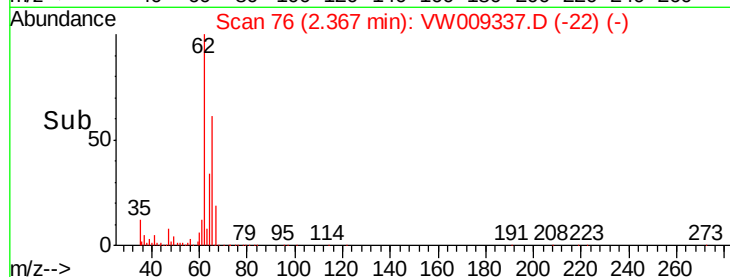
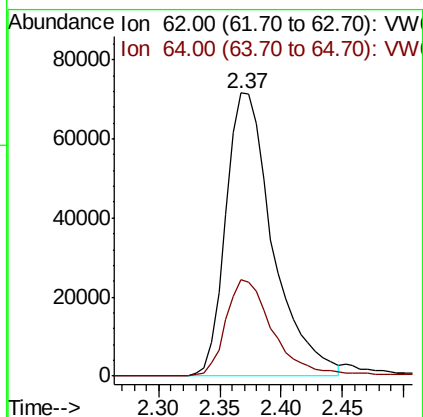
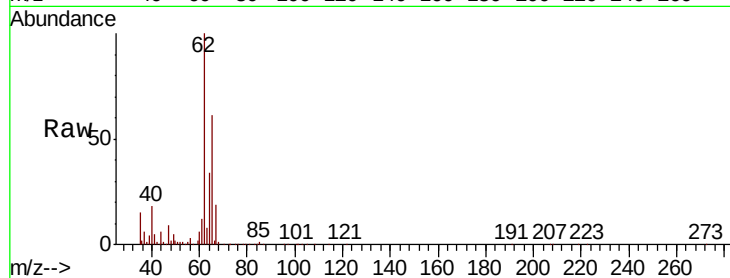
ClientSampleId :

Tot Ion: 62 Resp: 191108

Ion Ratio Lower Upper

62 100

64 34.1 23.0 42.6



#6

Bromomethane

Concen: 25.827 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW009337.D

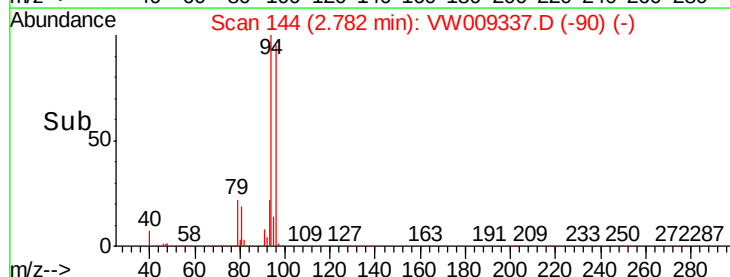
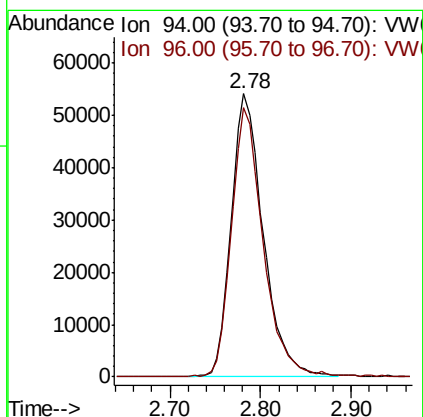
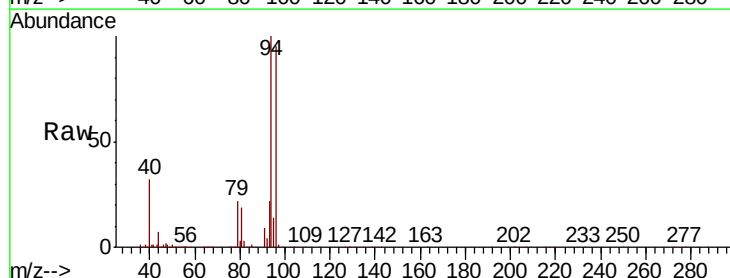
Acq: 21 Mar 2019 20:18

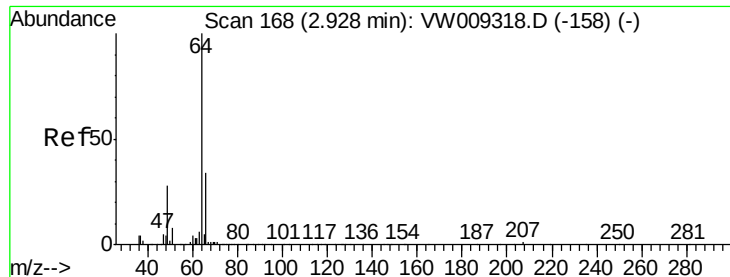
Tgt Ion: 94 Resp: 132812

Ion Ratio Lower Upper

94 100

96 93.1 9.4 178.4





#8

Chloroethane

Concen: 25.944 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW009337.D

Acq: 21 Mar 2019 20:18

Instrument :

MSVOA_W

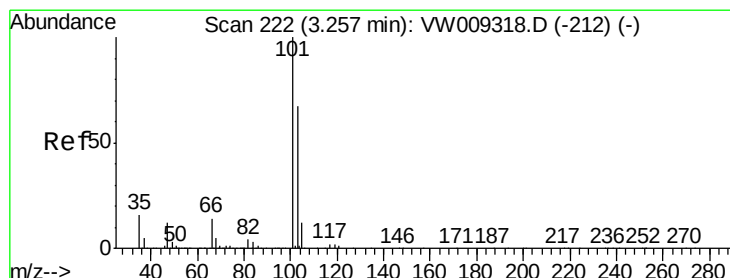
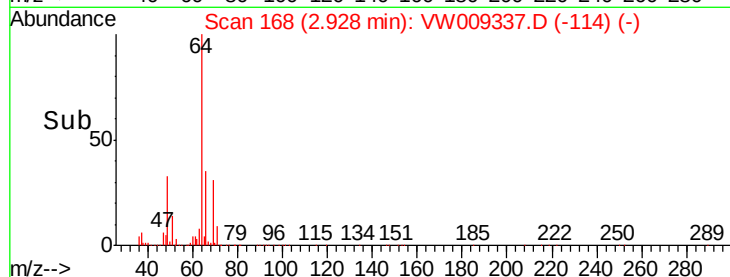
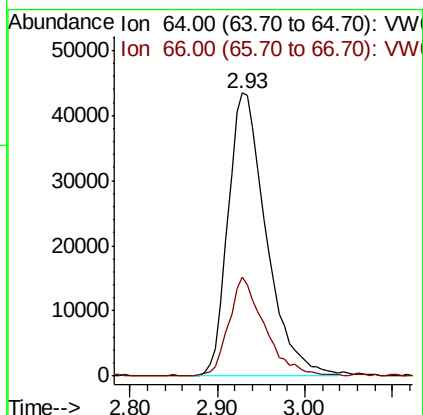
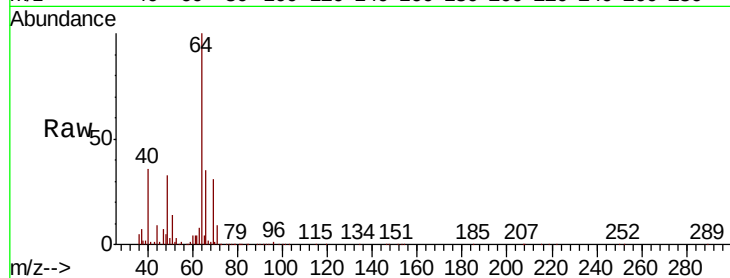
ClientSampleId :

Tot Ion: 64 Resp: 131751

Ion Ratio Lower Upper

64 100

66 35.0 25.1 46.7



#9

Trichlorofluoromethane

Concen: 22.236 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.00 min

Lab File: VW009337.D

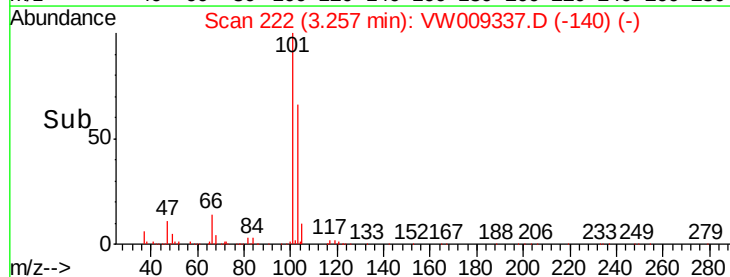
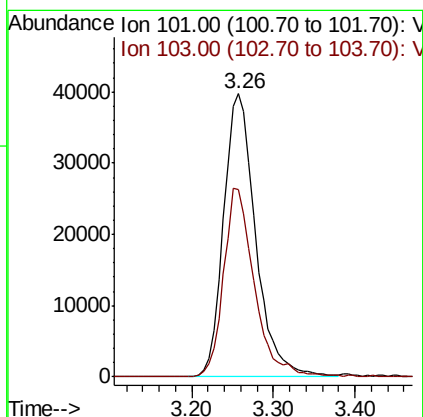
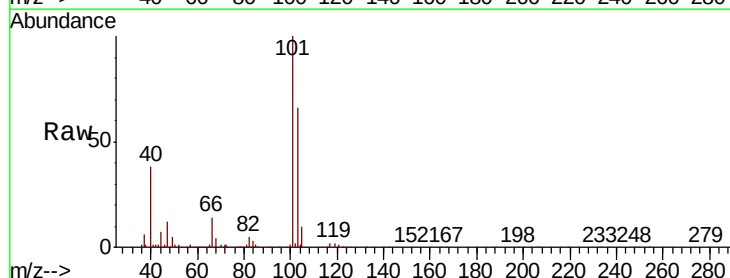
Acq: 21 Mar 2019 20:18

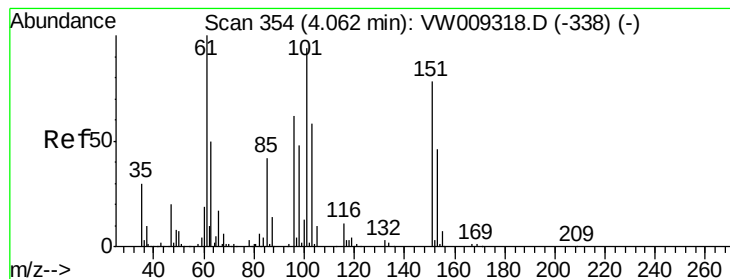
Tgt Ion: 101 Resp: 107812

Ion Ratio Lower Upper

101 100

103 64.1 45.0 83.6





#11

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

Concen: 25.686 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW009337.D

Acq: 21 Mar 2019 20:18

Instrument :

MSVOA_W

ClientSampleId :

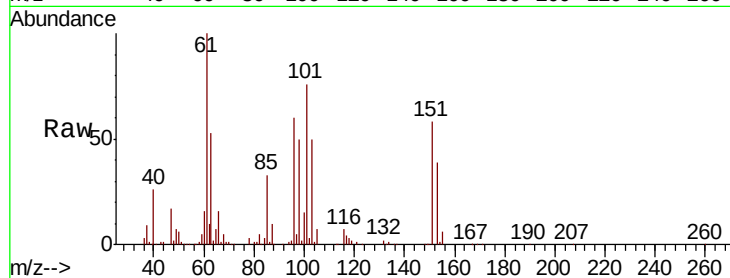
Tot Ion:101 Resp: 143822

Ion Ratio Lower Upper

101 100

85 48.8 32.6 48.8#

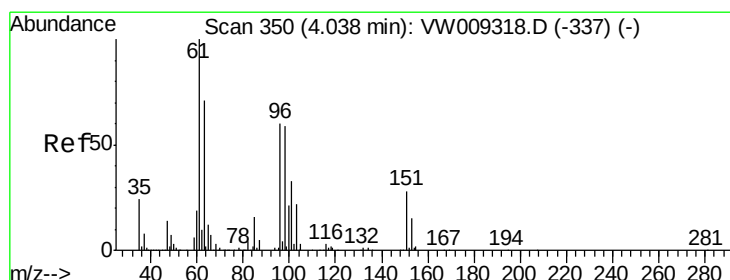
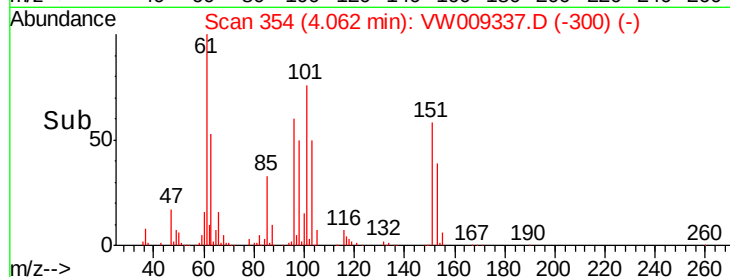
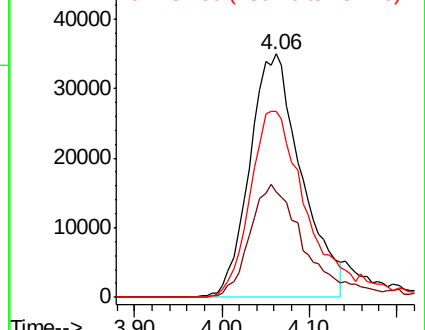
151 80.9 63.3 94.9



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: 28.755 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.01 min

Lab File: VW009337.D

Acq: 21 Mar 2019 20:18

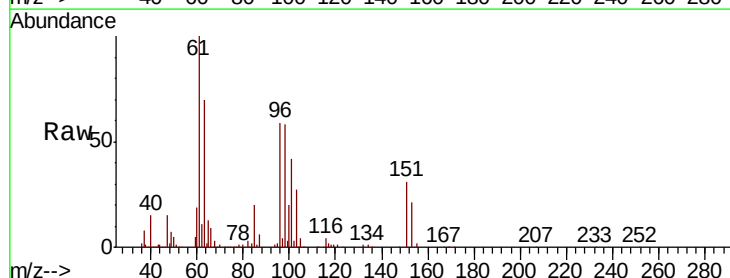
Tgt Ion: 96 Resp: 151081

Ion Ratio Lower Upper

96 100

61 169.7 129.4 240.2

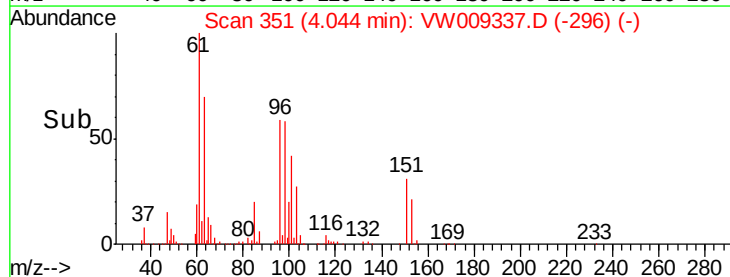
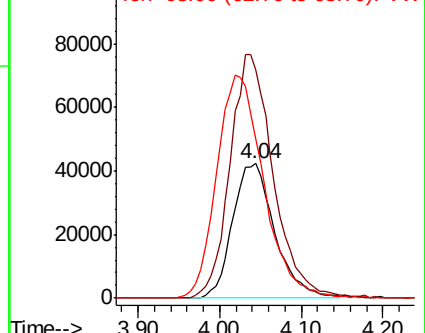
63 118.6 116.8 217.0

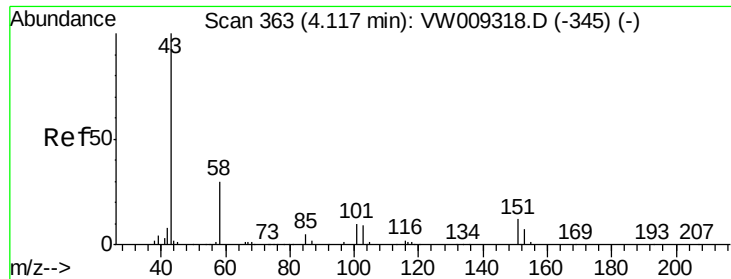


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 45.122 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW009337.D

Acq: 21 Mar 2019 20:18

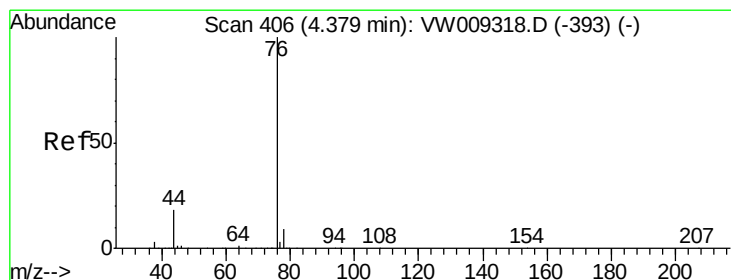
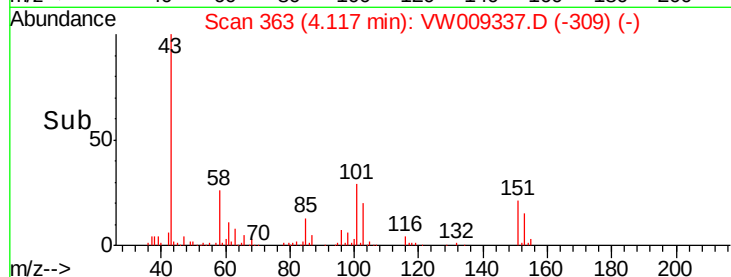
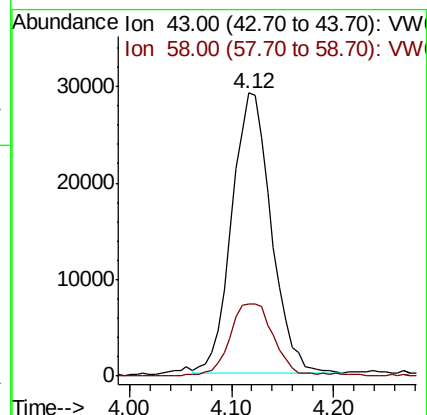
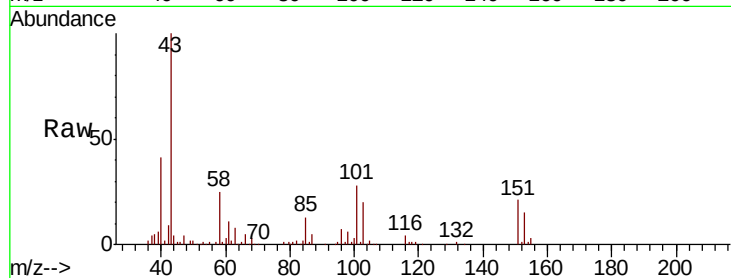
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 78026

Ion Ratio Lower Upper

43 100

58 27.4 0.0 56.2



#14

Carbon disulfide

Concen: 30.494 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW009337.D

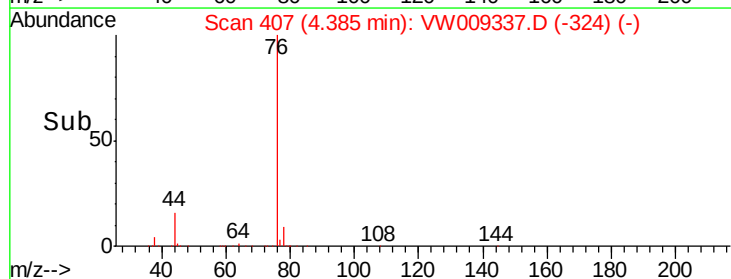
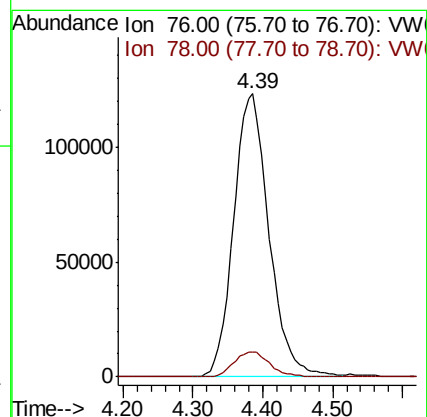
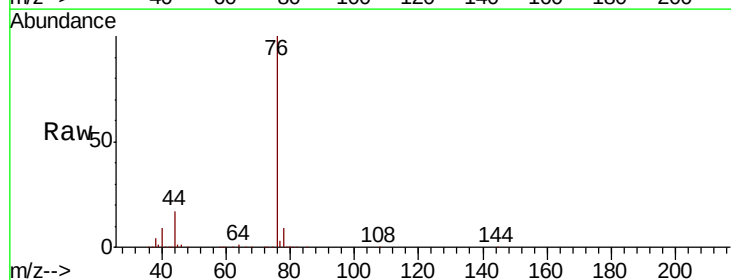
Acq: 21 Mar 2019 20:18

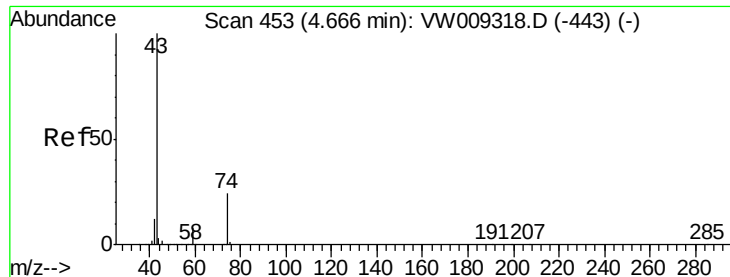
Tgt Ion: 76 Resp: 431206

Ion Ratio Lower Upper

76 100

78 8.6 7.3 10.9

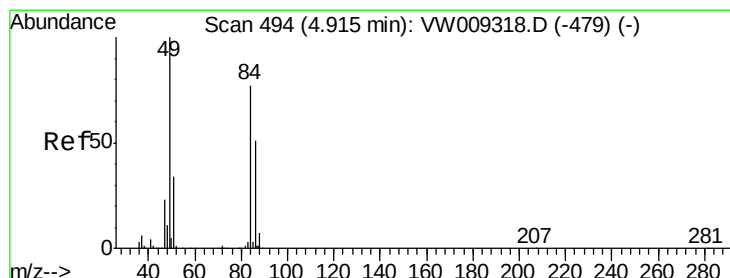
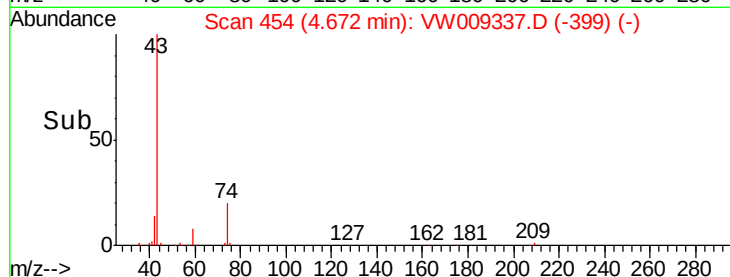
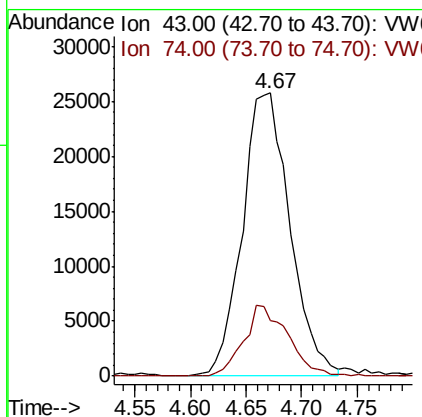
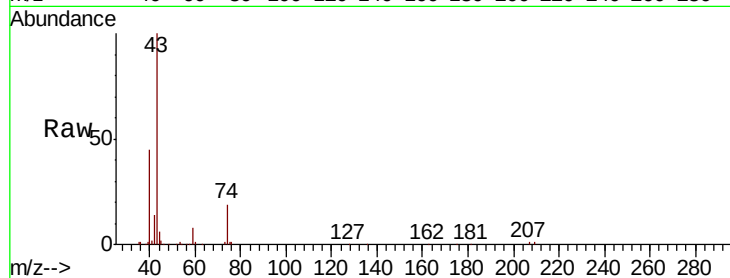




#15
Methvl Acetate
Concen: 22.478 ug/L
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW009337.D
Acq: 21 Mar 2019 20:18

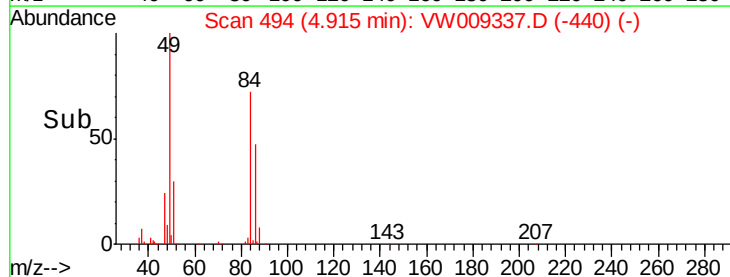
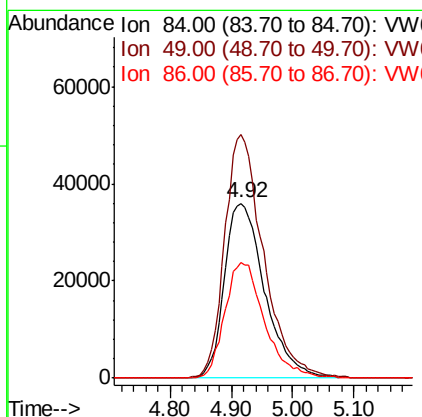
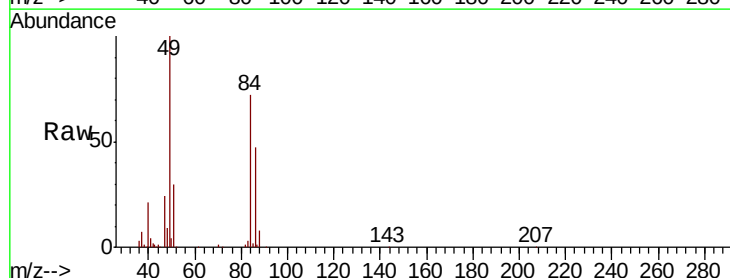
Instrument :
MSVOA_W
ClientSampled :

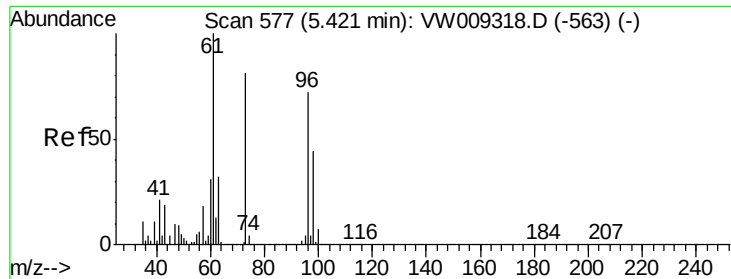
Tot Ion: 43 Resp: 76359
Ion Ratio Lower Upper
43 100
74 23.1 16.7 25.1



#16
Methylene chloride
Concen: 26.379 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW009337.D
Acq: 21 Mar 2019 20:18

Tgt Ion: 84 Resp: 164133
Ion Ratio Lower Upper
84 100
49 139.0 96.0 178.2
86 65.8 44.4 82.5

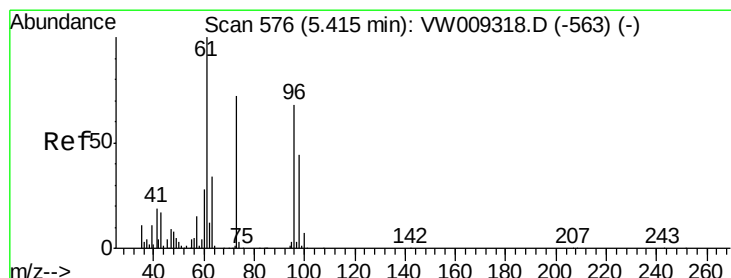
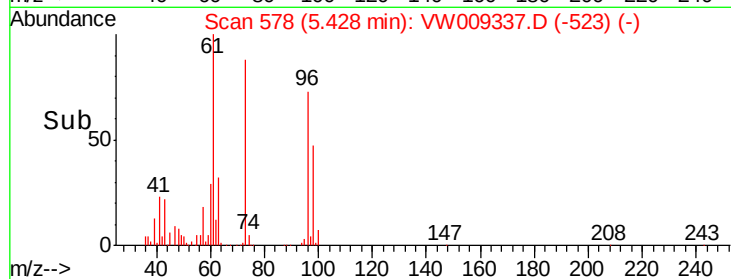
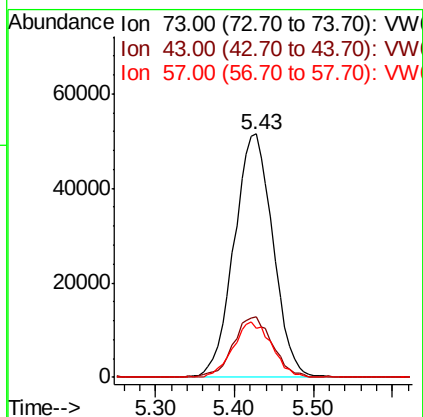
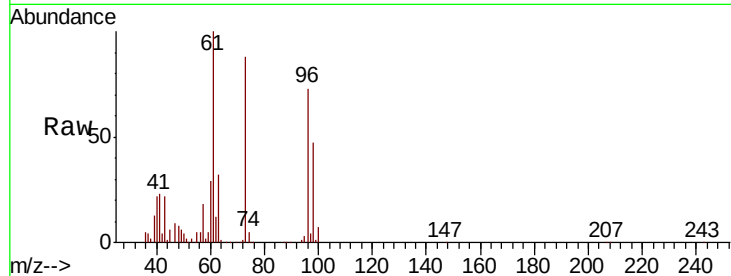




#17
Methyl tert-butyl Ether
Concen: 23.758 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW009337.D
Acq: 21 Mar 2019 20:18

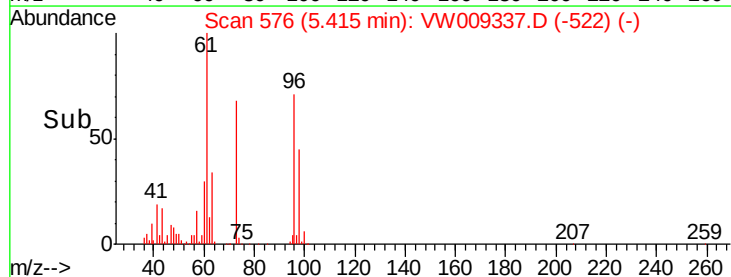
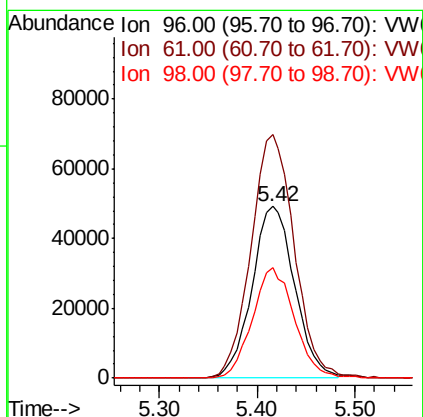
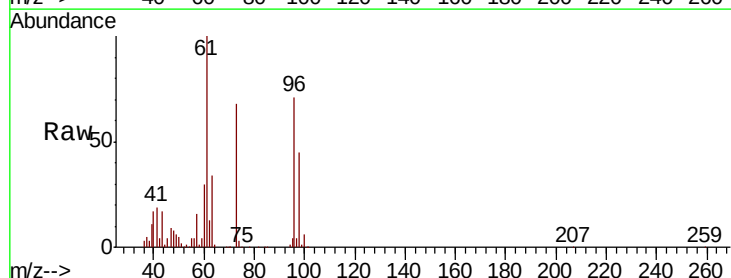
Instrument :
MSVOA_W
ClientSampled :

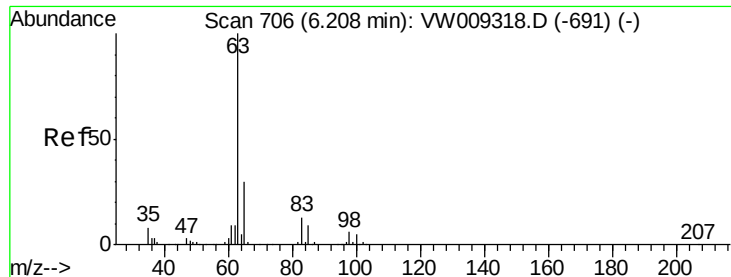
Tot Ion: 73 Resp: 176628
Ion Ratio Lower Upper
73 100
43 24.1 18.2 27.4
57 22.6 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 27.083 ug/L
RT: 5.42 min Scan# 576
Delta R.T. 0.00 min
Lab File: VW009337.D
Acq: 21 Mar 2019 20:18

Tgt Ion: 96 Resp: 149612
Ion Ratio Lower Upper
96 100
61 141.7 96.7 179.5
98 64.2 43.8 81.4

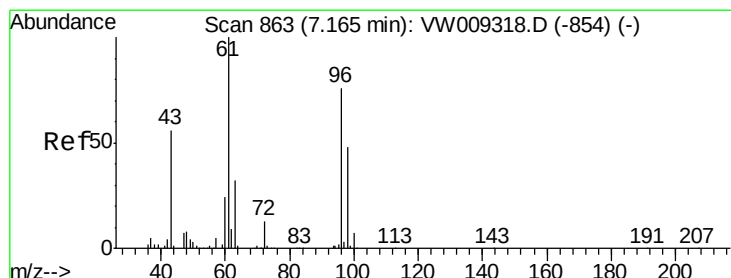
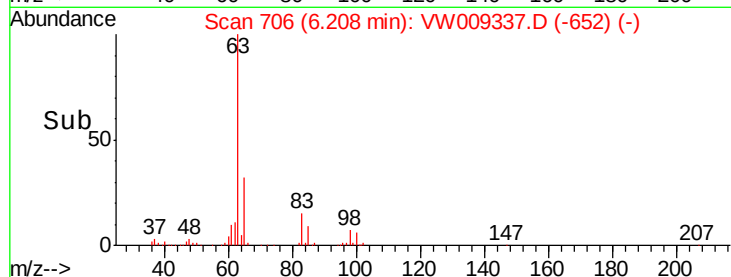
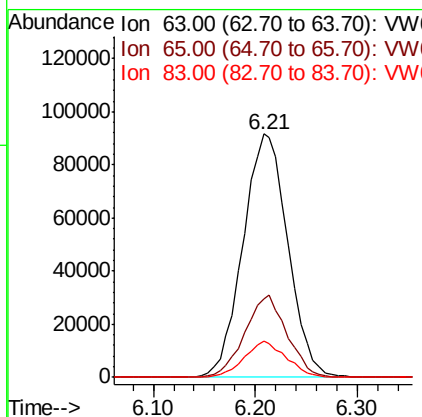
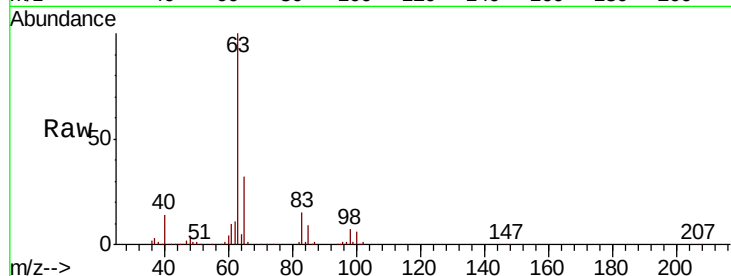




#19
 1,1-Dichloroethane
 Concen: 27.731 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. 0.00 min
 Lab File: VW009337.D
 Acq: 21 Mar 2019 20:18

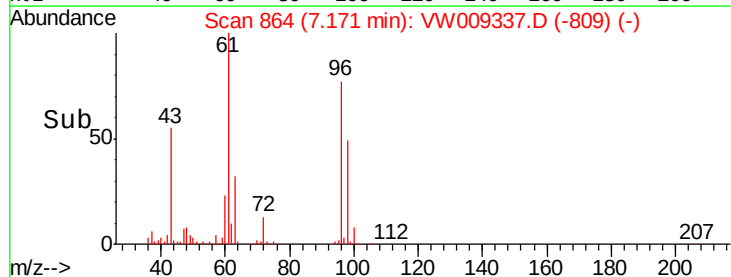
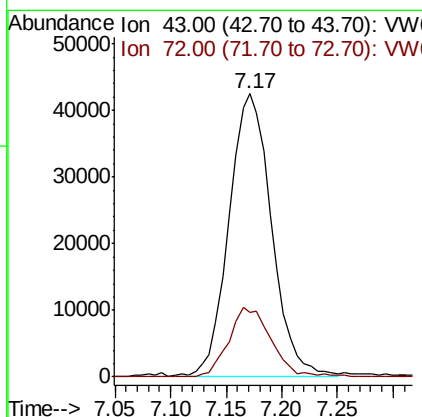
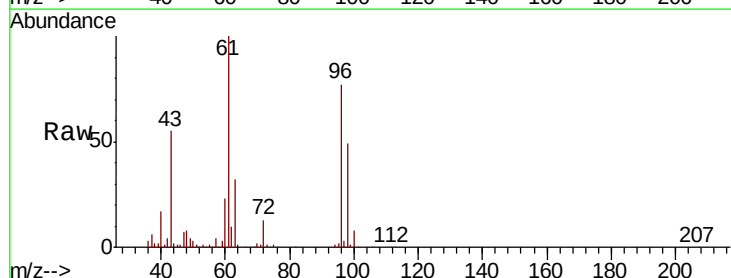
Instrument :
 MSVOA_W
 ClientSampled :

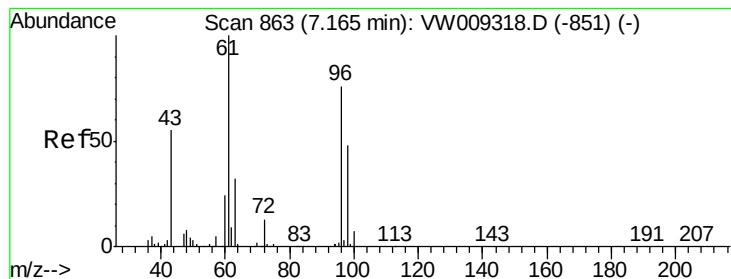
Tot Ion	63	Resp	279320
Ion Ratio	Lower	Upper	
63	100		
65	32.4	21.6	40.0
83	15.0	10.1	18.7



#21
 2-Butanone
 Concen: 47.131 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW009337.D
 Acq: 21 Mar 2019 20:18

Tgt Ion	43	Resp	112530
Ion Ratio	Lower	Upper	
43	100		
72	23.7	13.1	39.1



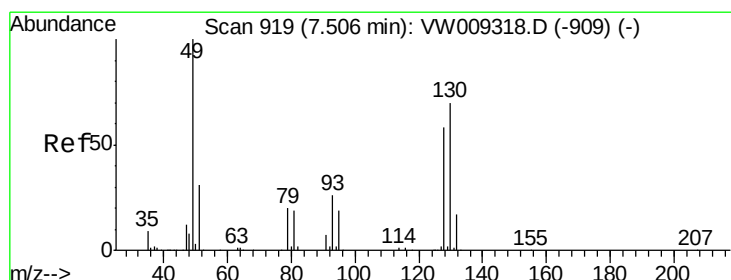
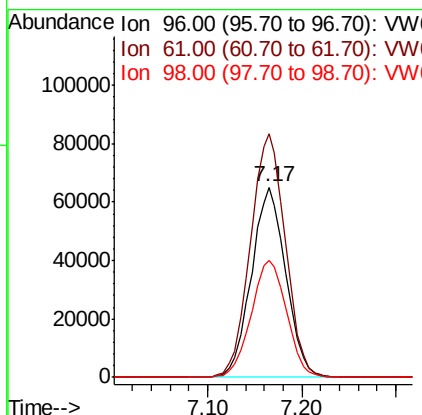
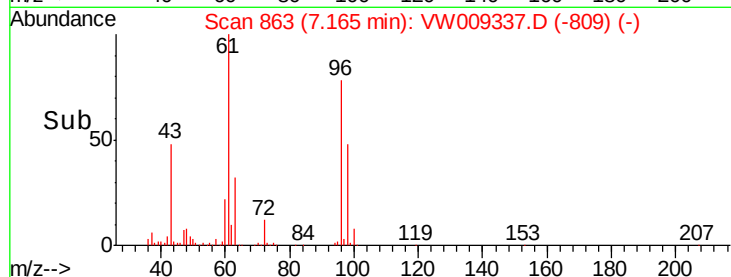
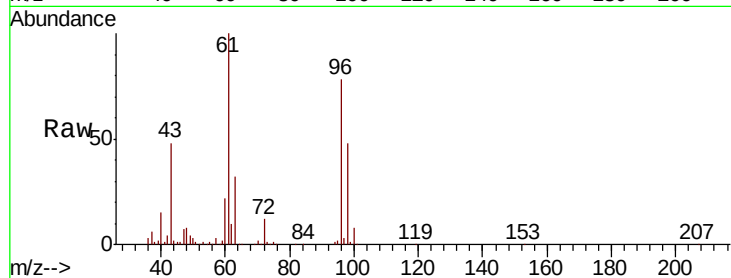


#22

cis-1,2-Dichloroethene
Concen: 27.835 ug/L
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW009337.D
Acq: 21 Mar 2019 20:18

Instrument :
MSVOA_W
ClientSampled :

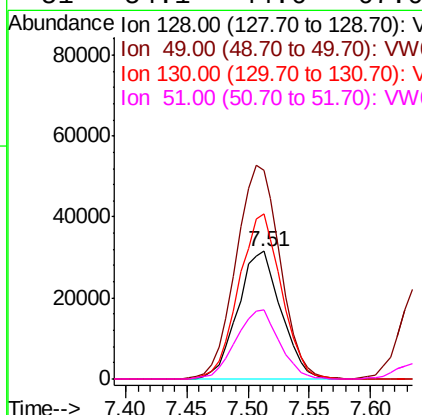
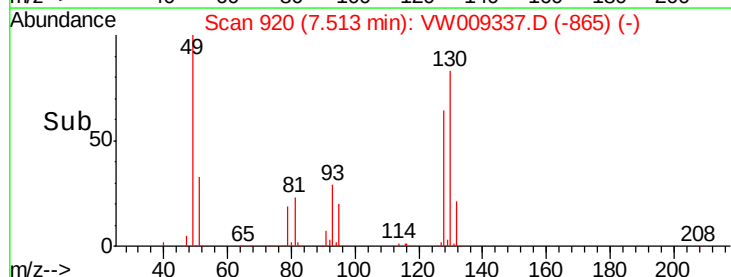
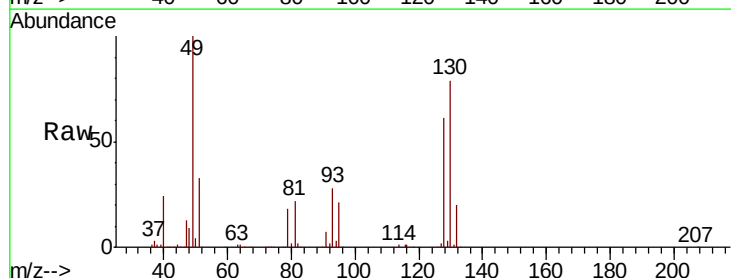
Tot Ion: 96 Resp: 166572
Ion Ratio Lower Upper
96 100
61 128.1 90.6 168.3
98 61.5 44.0 81.8

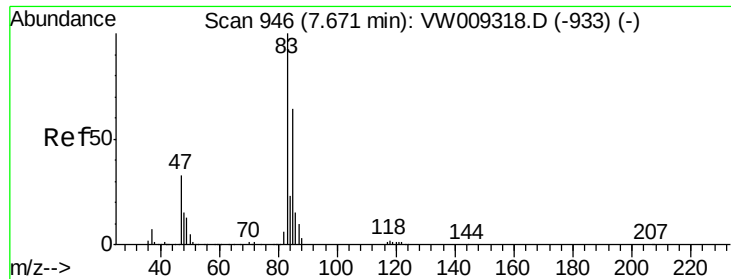


#23

Bromochloromethane
Concen: 26.954 ug/L
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW009337.D
Acq: 21 Mar 2019 20:18

Tgt Ion: 128 Resp: 77362
Ion Ratio Lower Upper
128 100
49 163.8 118.4 219.8
130 129.2 87.8 163.2
51 54.1 44.6 67.0

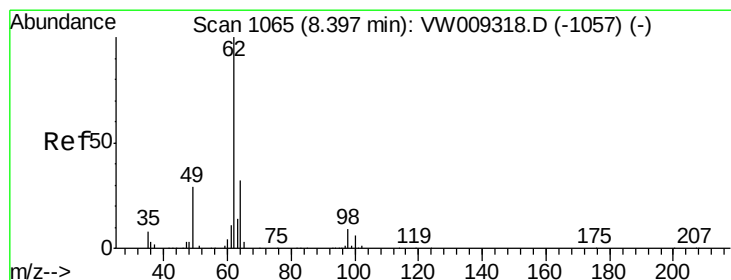
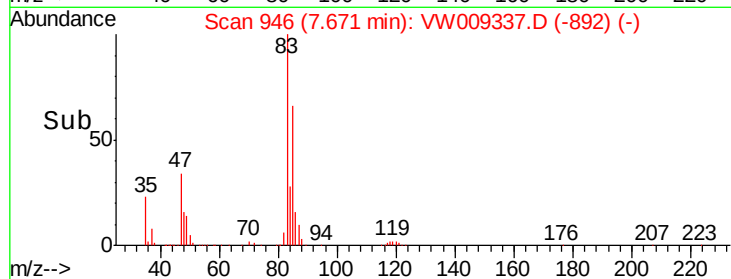
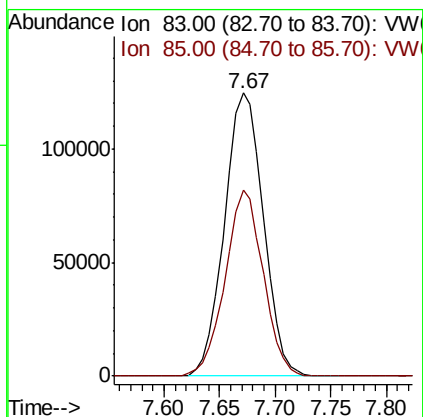
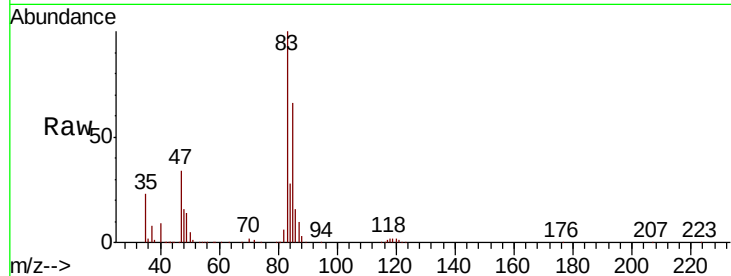




#25
Chloroform
Concen: 28.657 ug/L
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW009337.D
Acq: 21 Mar 2019 20:18

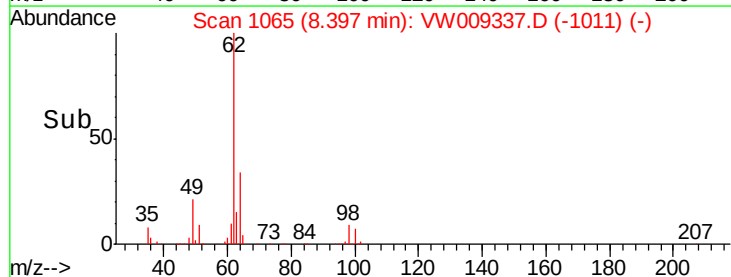
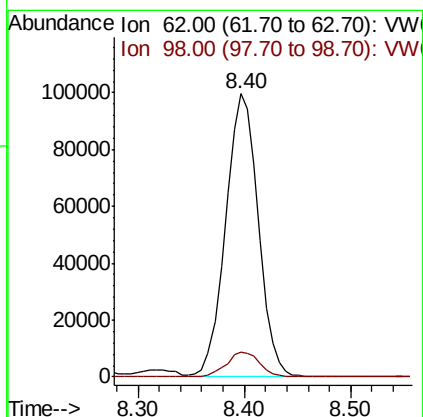
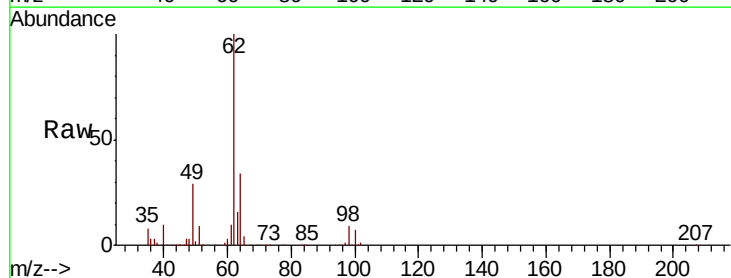
Instrument :
MSVOA_W
ClientSampled :

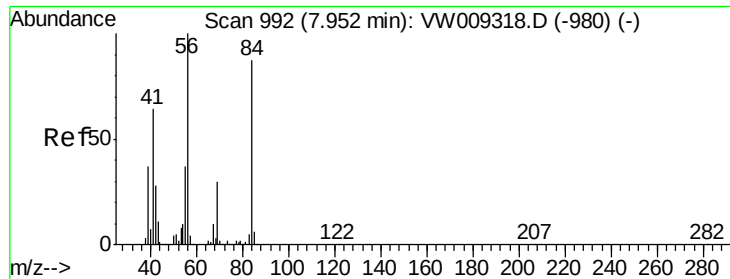
Tot Ion: 83 Resp: 302279
Ion Ratio Lower Upper
83 100
85 64.3 46.0 85.4



#27
1,2-Dichloroethane
Concen: 27.150 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW009337.D
Acq: 21 Mar 2019 20:18

Tgt Ion: 62 Resp: 213523
Ion Ratio Lower Upper
62 100
98 8.8 7.3 10.9

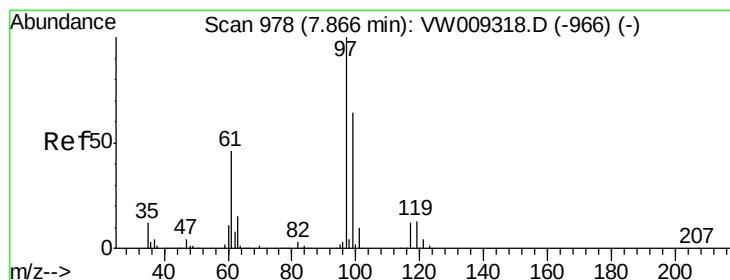
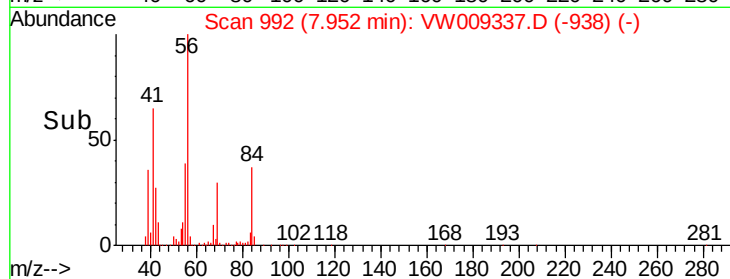
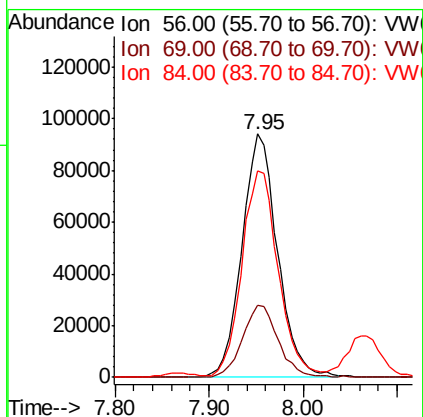
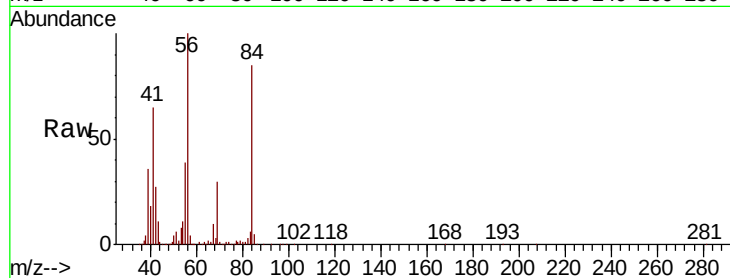




#30
Cyclohexane
Concen: 27.012 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW009337.D
Acq: 21 Mar 2019 20:18

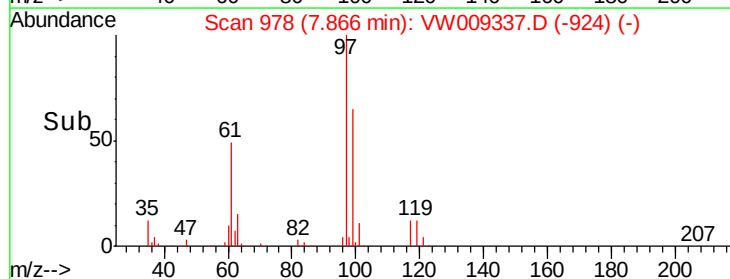
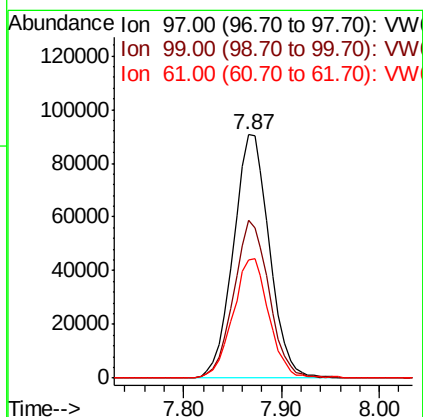
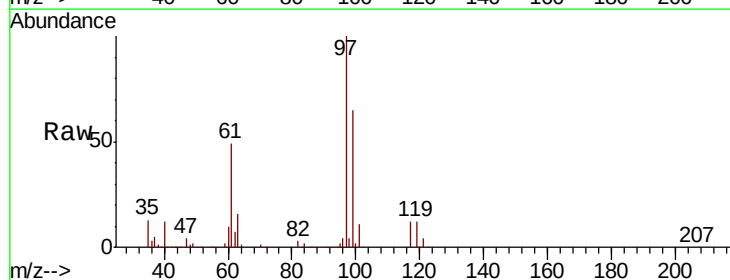
Instrument :
MSVOA_W
ClientSampled :

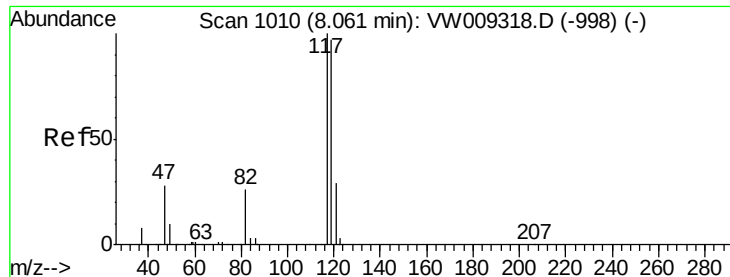
Tot Ion: 56 Resp: 249278
Ion Ratio Lower Upper
56 100
69 29.7 24.0 36.0
84 86.5 69.2 103.8



#31
1,1,1-Trichloroethane
Concen: 28.509 ug/L
RT: 7.87 min Scan# 978
Delta R.T. 0.00 min
Lab File: VW009337.D
Acq: 21 Mar 2019 20:18

Tgt Ion: 97 Resp: 231375
Ion Ratio Lower Upper
97 100
99 63.3 51.2 76.8
61 49.1 38.4 57.6





#32

Carbon tetrachloride

Concen: 29.126 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.01 min

Lab File: VW009337.D

Acq: 21 Mar 2019 20:18

Instrument :

MSVOA_W

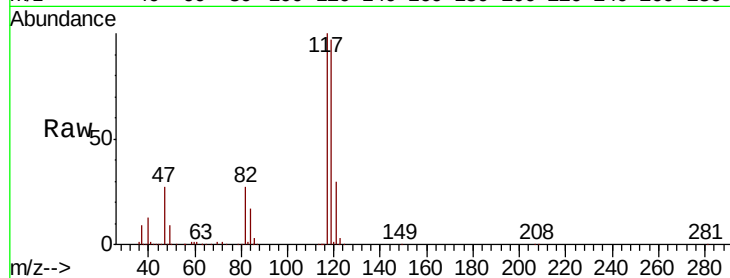
ClientSampled :

Tot Ion:117 Resp: 238492

Ion Ratio Lower Upper

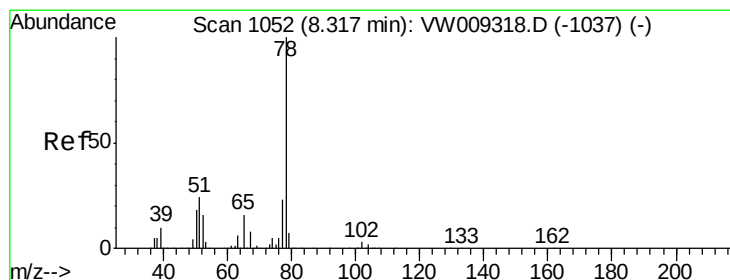
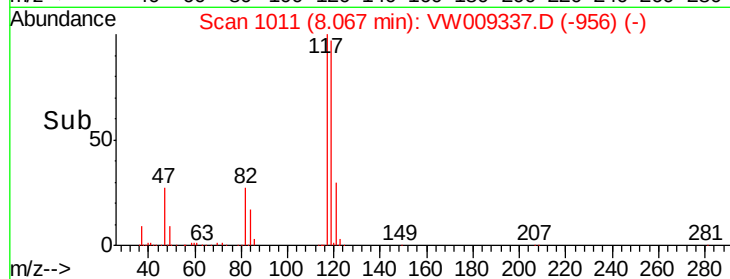
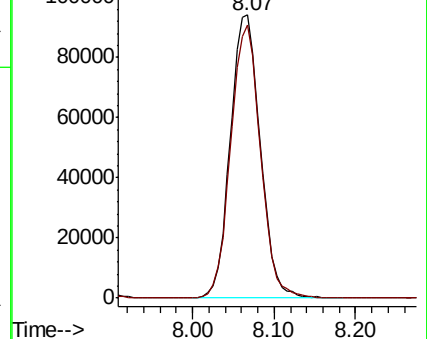
117 100

119 95.7 78.0 117.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 28.729 ug/L

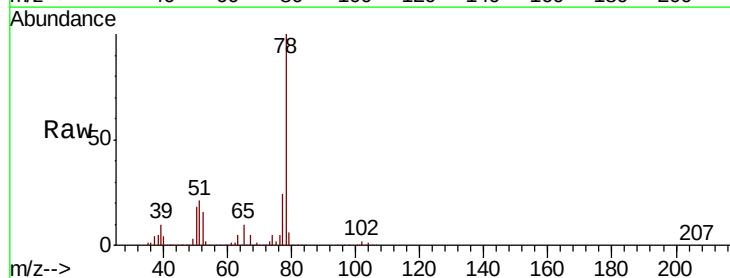
RT: 8.32 min Scan# 1053

Delta R.T. 0.01 min

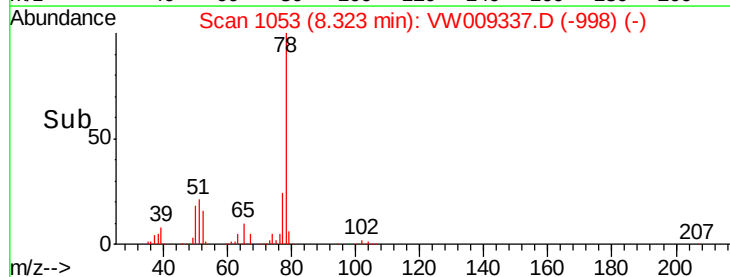
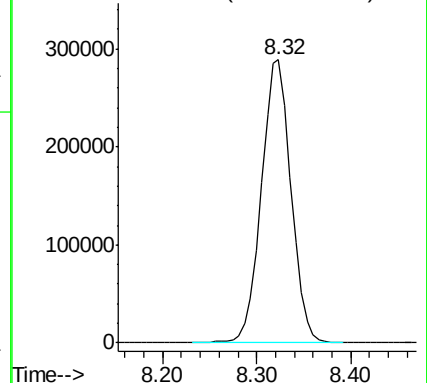
Lab File: VW009337.D

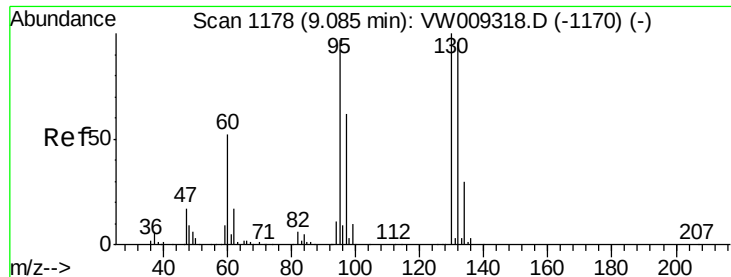
Acq: 21 Mar 2019 20:18

Tgt Ion: 78 Resp: 638971



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 27.577 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VW009337.D

Acq: 21 Mar 2019 20:18

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 95 Resp: 163435

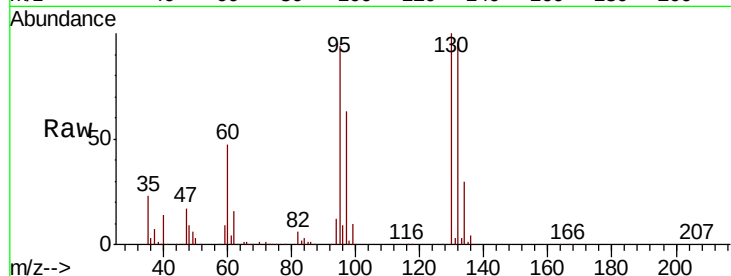
Ion Ratio Lower Upper

95 100

97 64.8 44.7 82.9

132 99.9 69.0 128.2

130 102.9 72.7 134.9

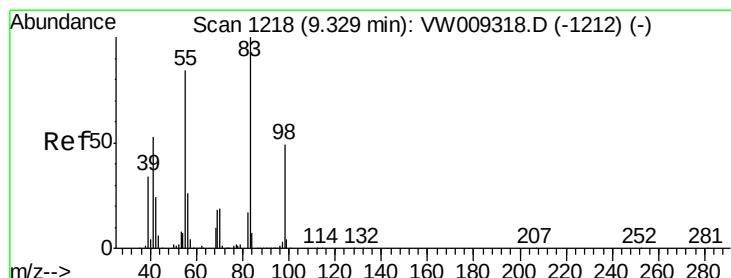
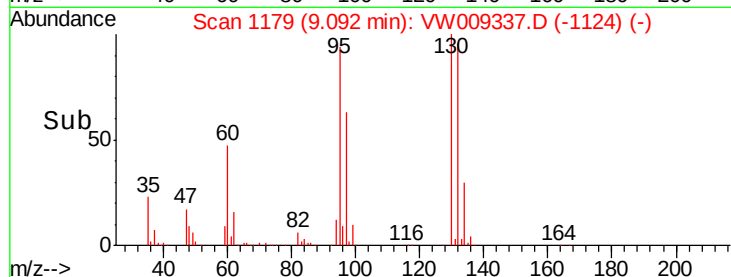
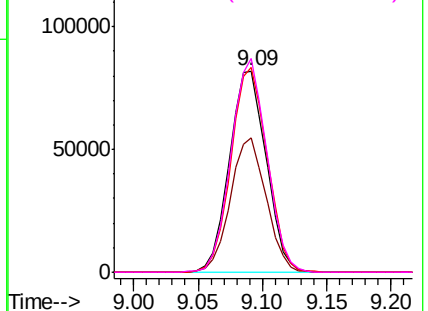


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 27.563 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.01 min

Lab File: VW009337.D

Acq: 21 Mar 2019 20:18

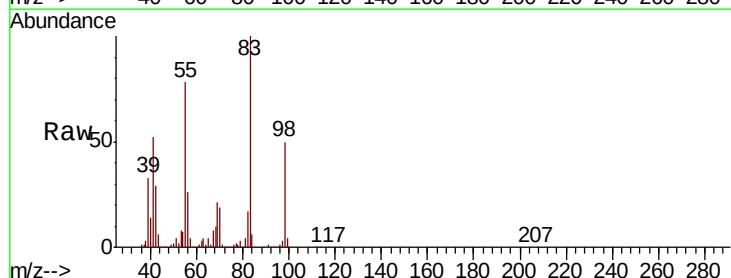
Tgt Ion: 83 Resp: 282613

Ion Ratio Lower Upper

83 100

55 79.7 63.5 95.3

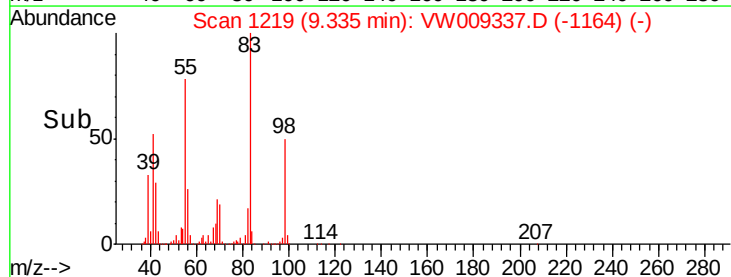
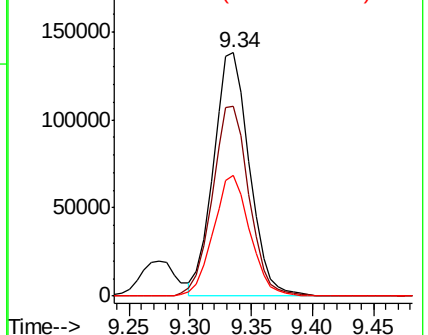
98 49.6 39.8 59.8

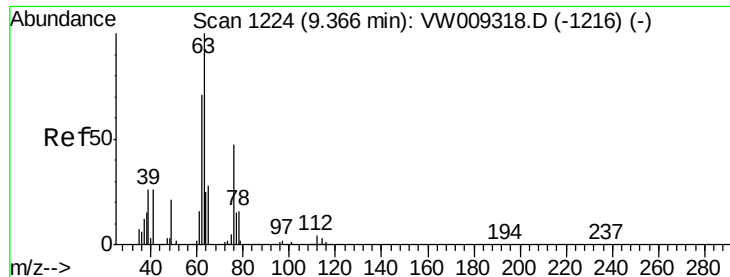


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 27.984 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW009337.D

Acq: 21 Mar 2019 20:18

Instrument :

MSVOA_W

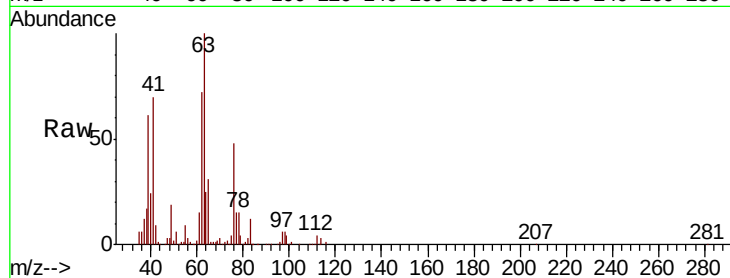
ClientSampleId :

Tot Ion: 63 Resp: 159712

Ion Ratio Lower Upper

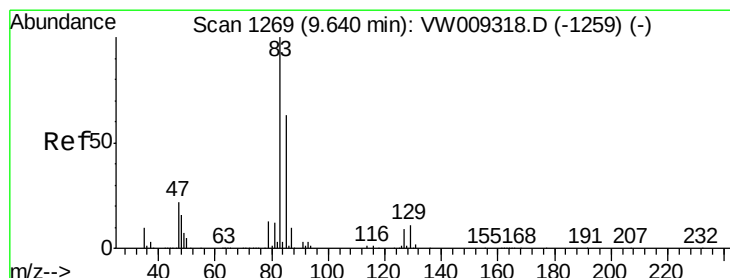
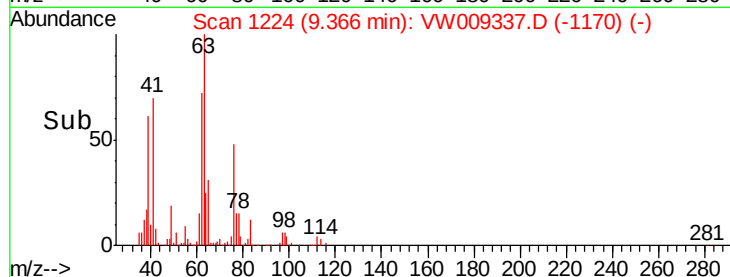
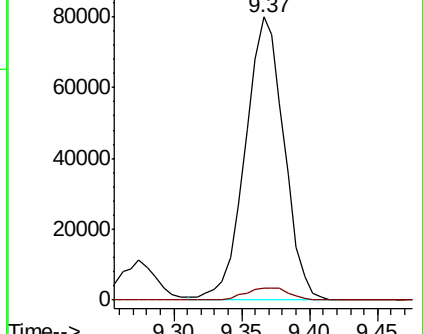
63 100

112 5.0 4.0 6.0



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 27.951 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW009337.D

Acq: 21 Mar 2019 20:18

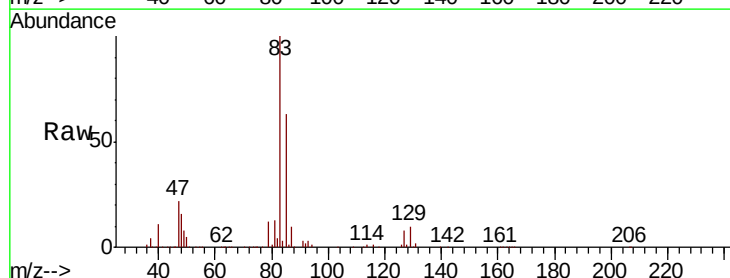
Tgt Ion: 83 Resp: 221029

Ion Ratio Lower Upper

83 100

85 62.6 43.5 80.7

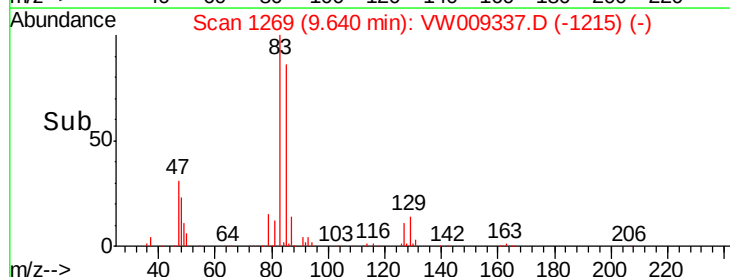
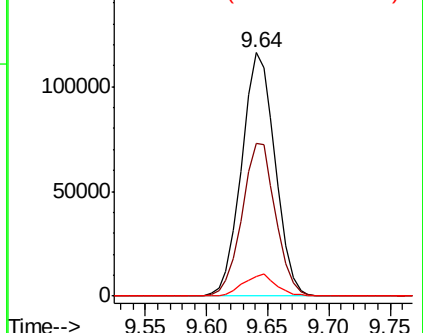
127 8.3 6.2 9.4

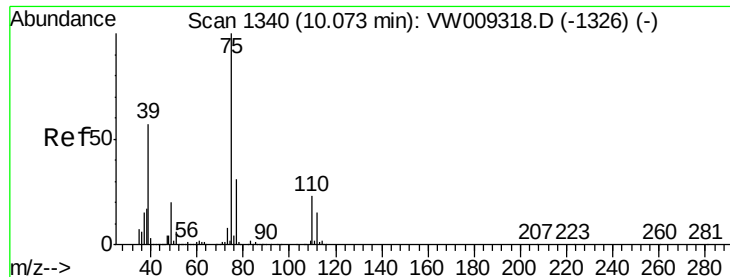


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 26.680 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW009337.D

Acq: 21 Mar 2019 20:18

Instrument :

MSVOA_W

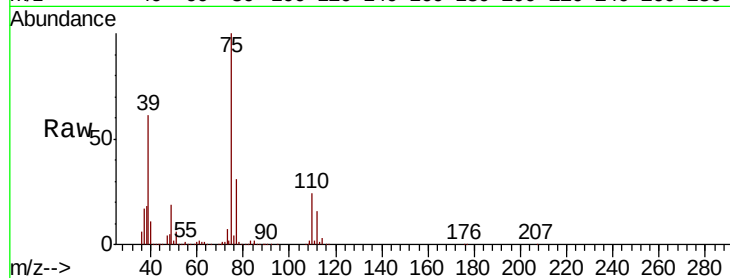
ClientSampled :

Tot Ion: 75 Resp: 248008

Ion Ratio Lower Upper

75 100

77 31.2 21.6 40.2



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.07

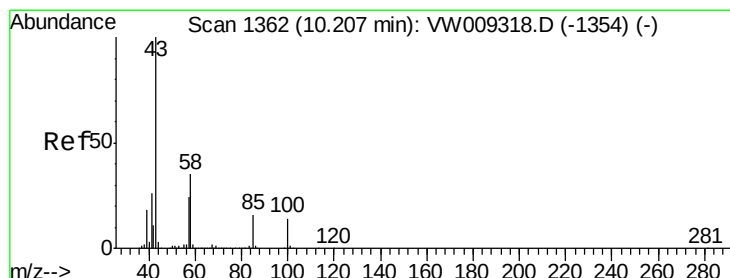
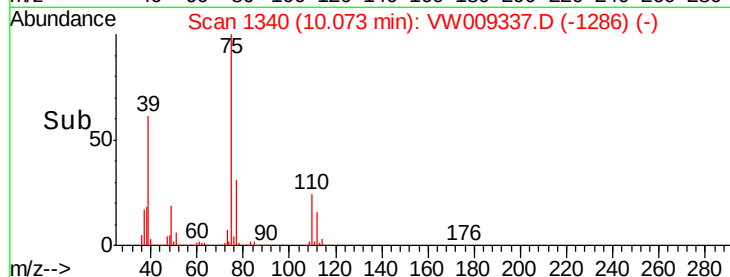
150000

100000

50000

0

Time-->



#43

4-Methyl-2-pentanone

Concen: 46.361 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW009337.D

Acq: 21 Mar 2019 20:18

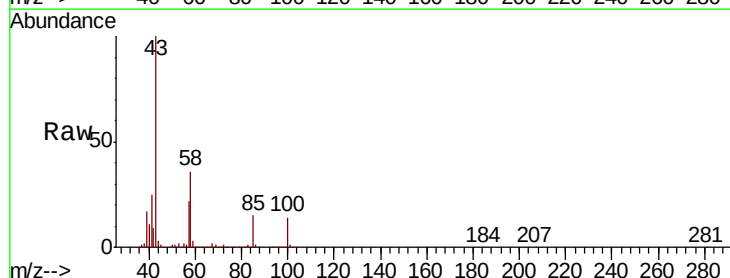
Tgt Ion: 43 Resp: 239761

Ion Ratio Lower Upper

43 100

58 34.9 28.2 42.2

100 14.3 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW

250000

200000

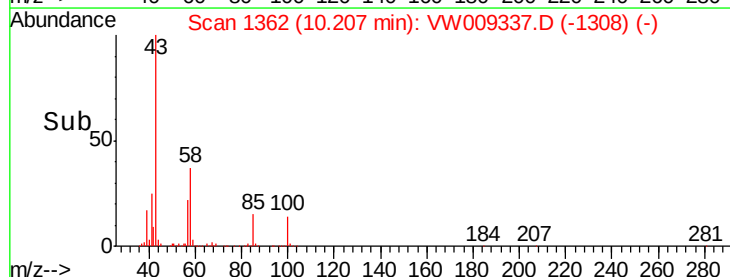
150000

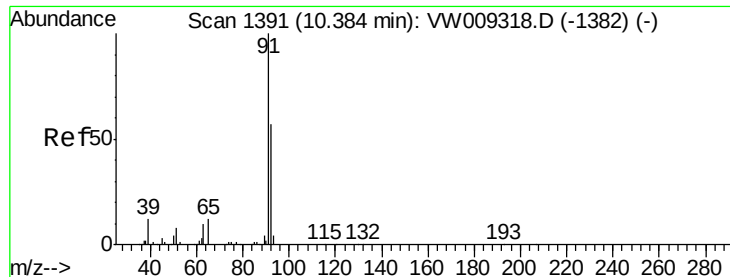
100000

50000

0

Time-->





#44

Toluene

Concen: 28.538 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW009337.D

Acq: 21 Mar 2019 20:18

Instrument :

MSVOA_W

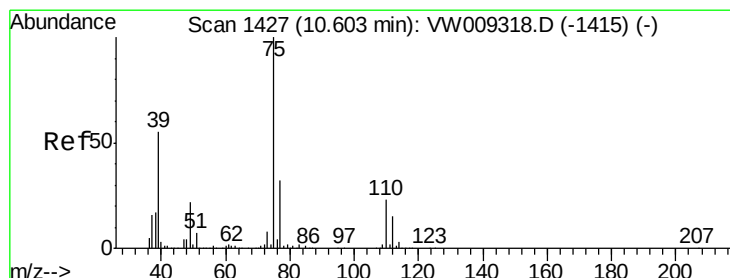
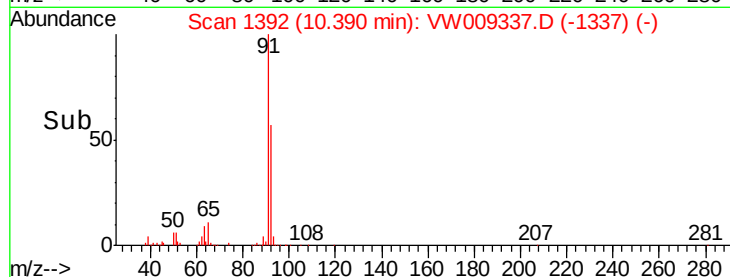
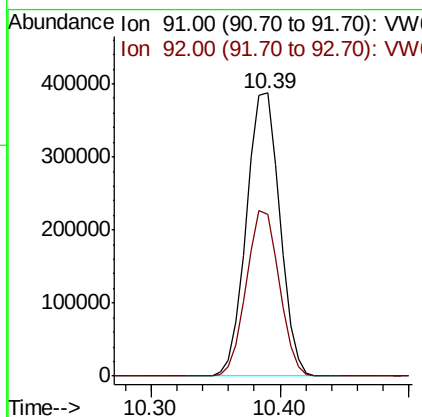
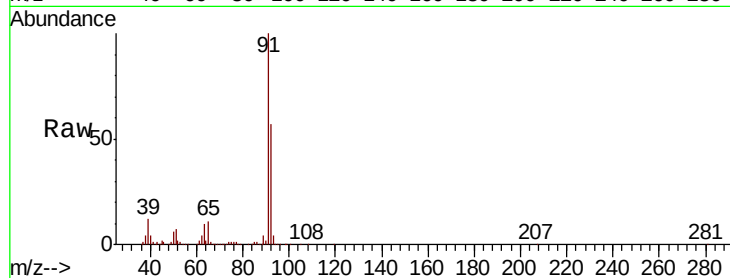
ClientSampleId :

Tot Ion: 91 Resp: 693969

Ion Ratio Lower Upper

91 100

92 57.0 39.8 73.8



#45

trans-1,3-Dichloropropene

Concen: 26.858 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW009337.D

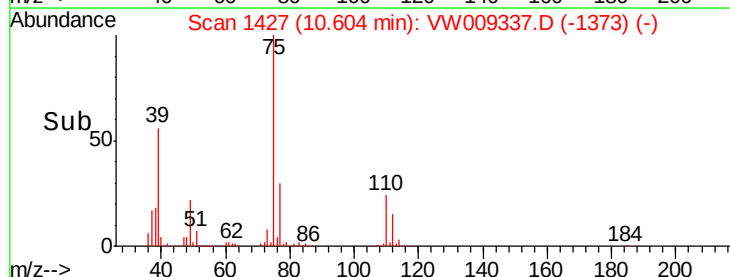
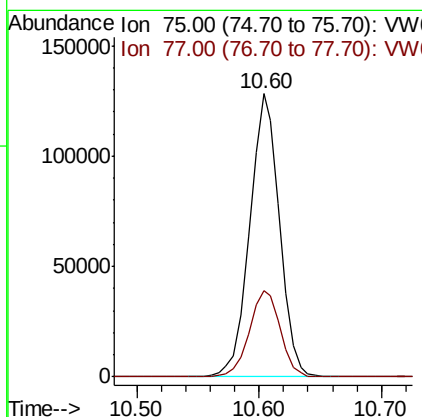
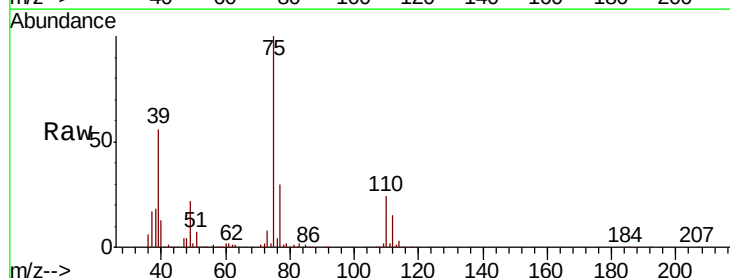
Acq: 21 Mar 2019 20:18

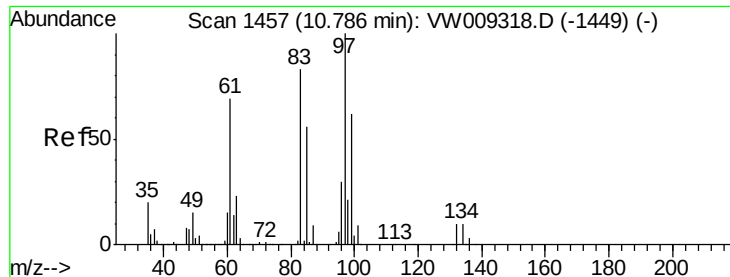
Tgt Ion: 75 Resp: 217176

Ion Ratio Lower Upper

75 100

77 30.4 22.5 41.7





#46

1,1,2-Trichloroethane

Concen: 26.380 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW009337.D

Acq: 21 Mar 2019 20:18

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 120112

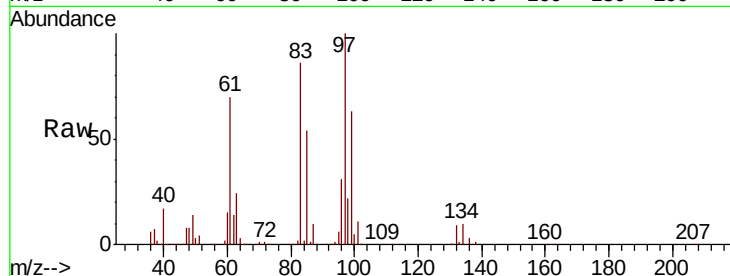
Ion Ratio Lower Upper

97 100

83 85.6 60.7 112.7

85 54.5 40.1 74.5

99 62.6 43.8 81.3



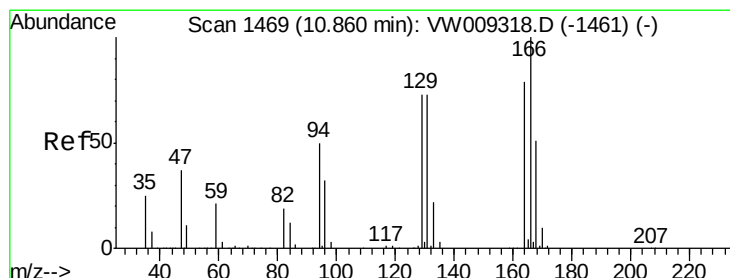
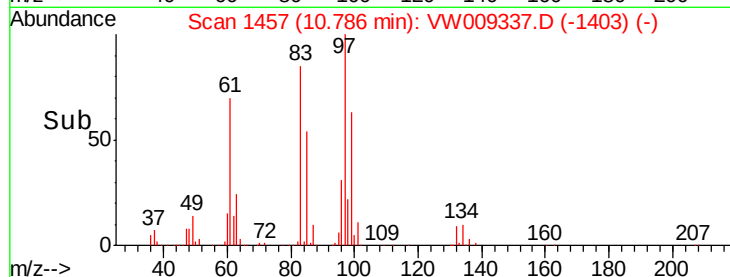
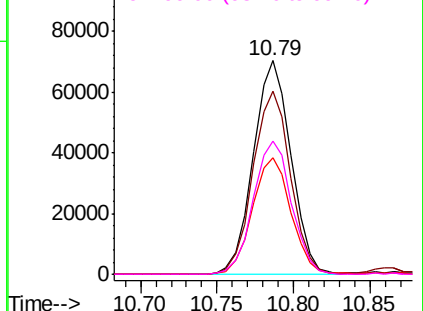
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 27.461 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW009337.D

Acq: 21 Mar 2019 20:18

Tgt Ion: 164 Resp: 137513

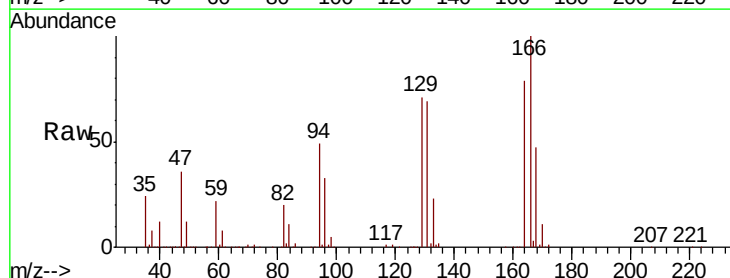
Ion Ratio Lower Upper

164 100

129 89.9 66.5 123.5

131 87.9 62.6 116.3

166 126.6 91.6 170.0



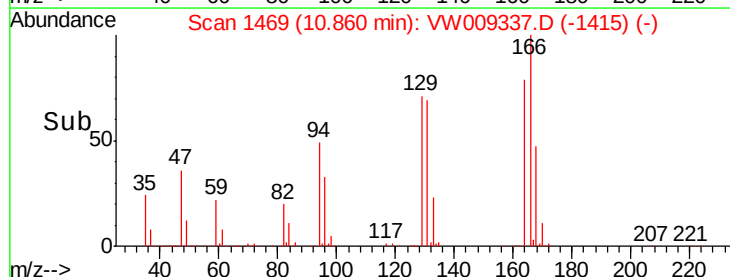
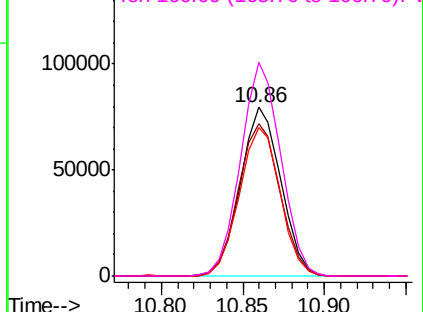
Abundance

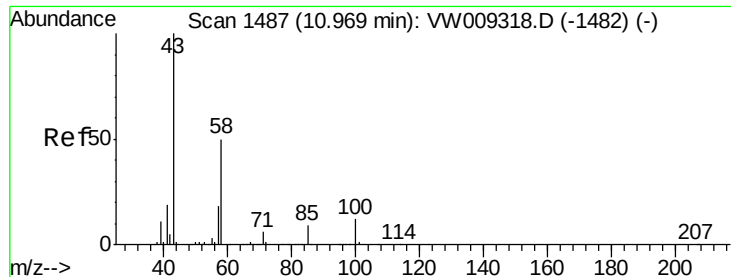
Ion 164.00 (163.70 to 164.70): V

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

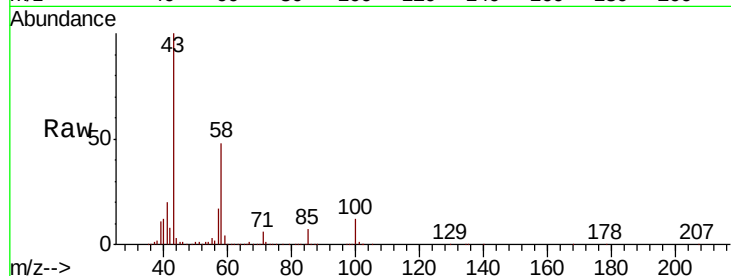




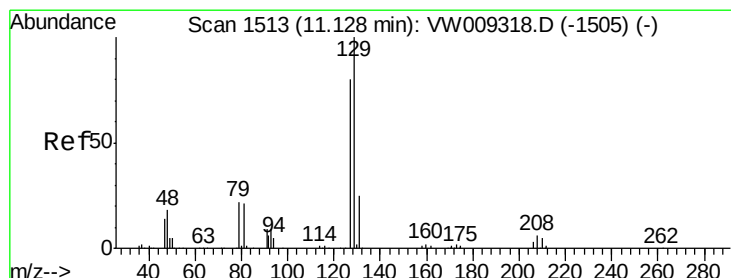
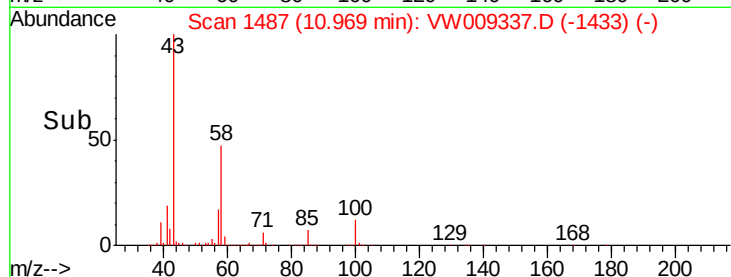
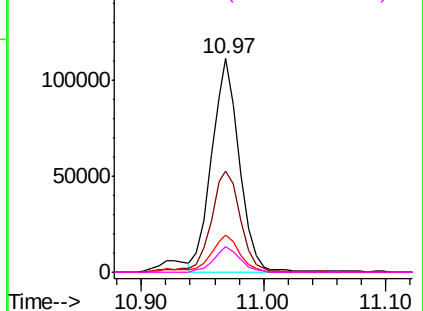
#49
2-Hexanone
Concen: 48.310 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW009337.D
Acq: 21 Mar 2019 20:18

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 175966
Ion Ratio Lower Upper
43 100
58 50.1 39.2 58.8
57 17.7 14.2 21.2
100 11.2 8.9 13.3

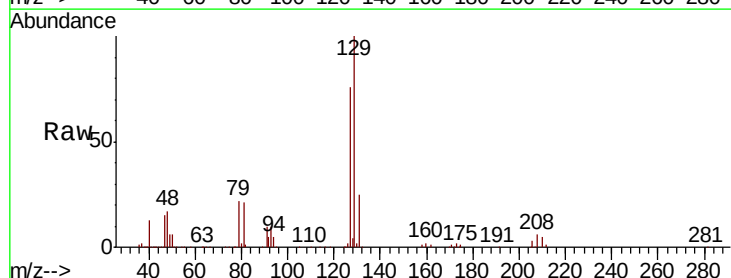


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW
Ion 57.00 (56.70 to 57.70): VW
Ion 100.00 (99.70 to 100.70): VW

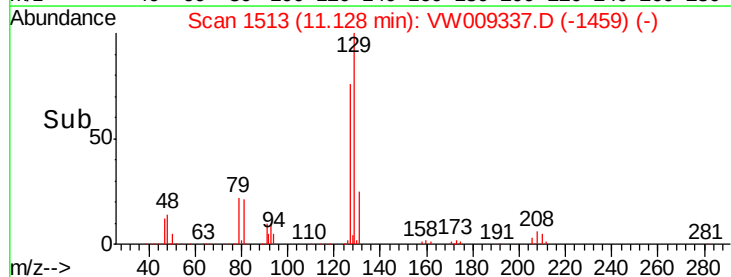
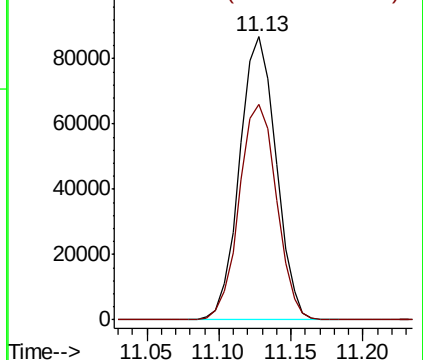


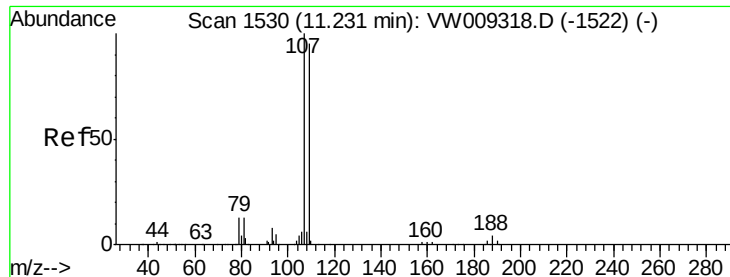
#50
Dibromochloromethane
Concen: 27.172 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW009337.D
Acq: 21 Mar 2019 20:18

Tgt Ion: 129 Resp: 152729
Ion Ratio Lower Upper
129 100
127 76.3 56.8 105.6



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

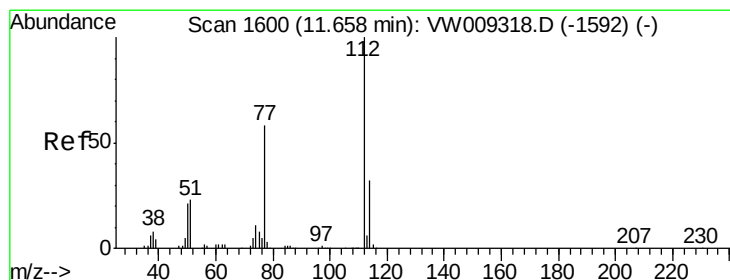
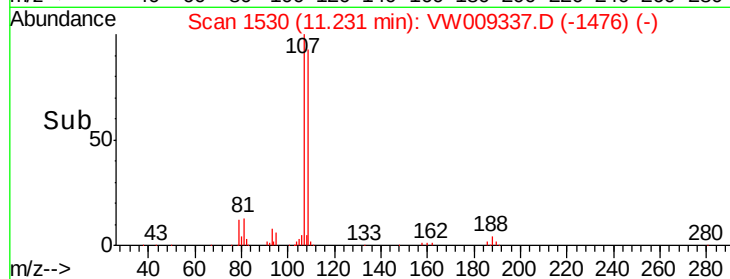
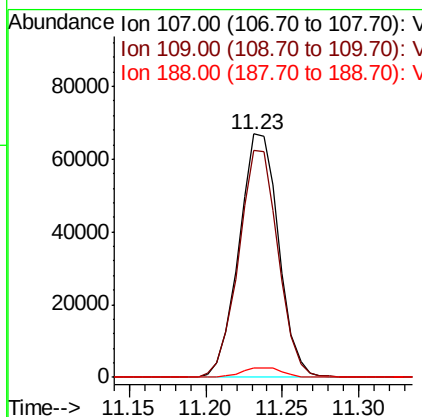
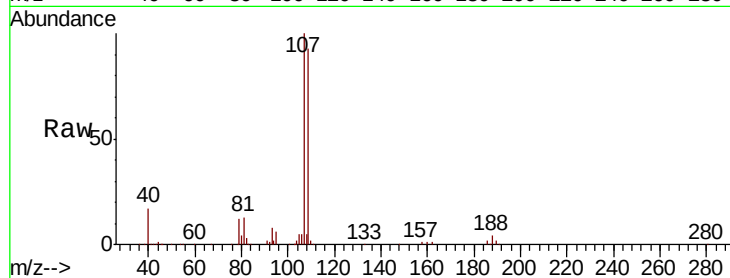




#51
 1,2-Dibromoethane
 Concen: 26.044 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW009337.D
 Acq: 21 Mar 2019 20:18

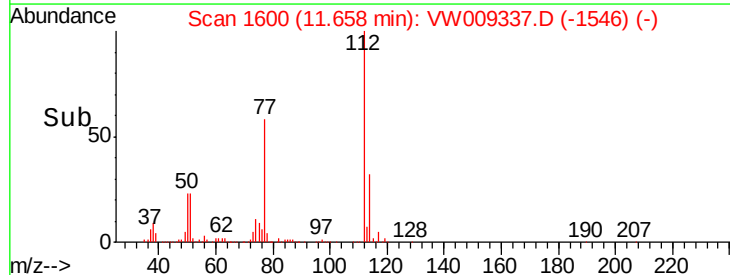
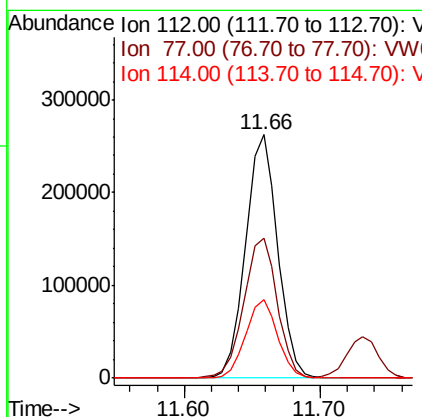
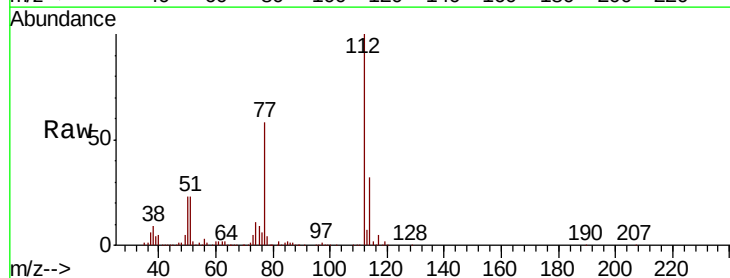
Instrument :
 MSVOA_W
 ClientSampleId :

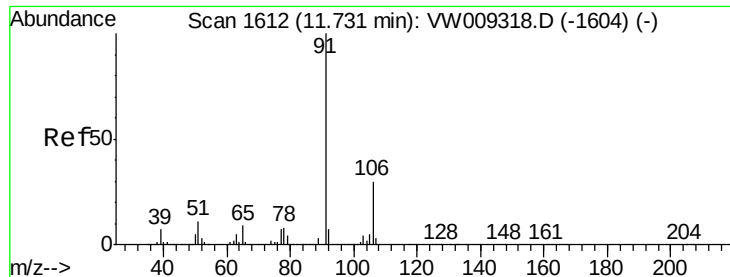
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.1	68.0	126.4
188	4.0	3.5	5.3



#52
 Chlorobenzene
 Concen: 27.777 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW009337.D
 Acq: 21 Mar 2019 20:18

Tgt Ion	Ratio	Lower	Upper
112	100		
77	57.7	45.7	68.5
114	32.4	22.8	42.4





#53

Ethylbenzene

Concen: 28.499 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW009337.D

Acq: 21 Mar 2019 20:18

Instrument :

MSVOA_W

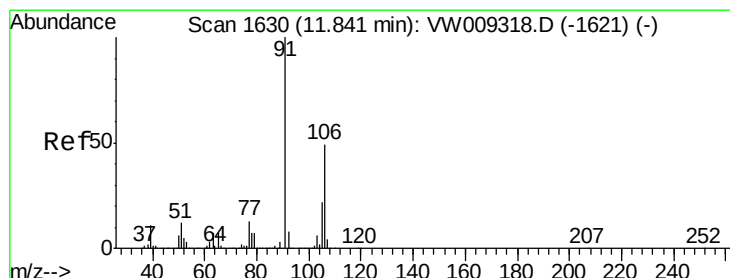
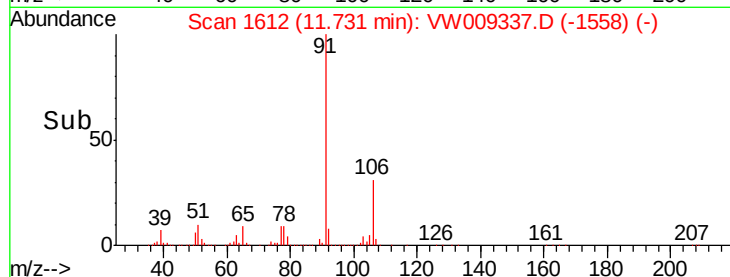
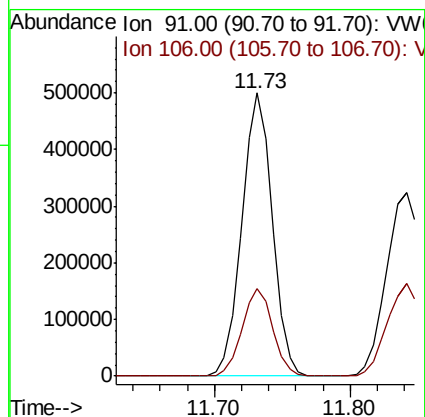
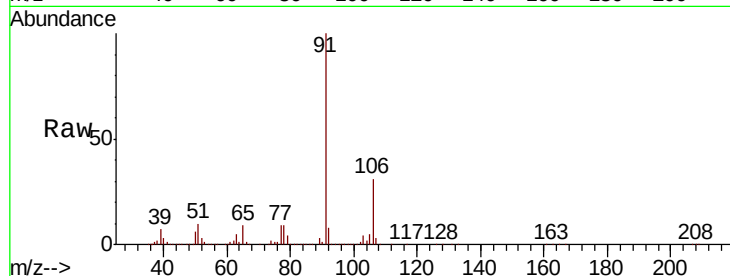
ClientSampled :

Tot Ion: 91 Resp: 779153

Ion Ratio Lower Upper

91 100

106 31.0 21.0 39.0



#54

m,p-Xylene

Concen: 28.664 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW009337.D

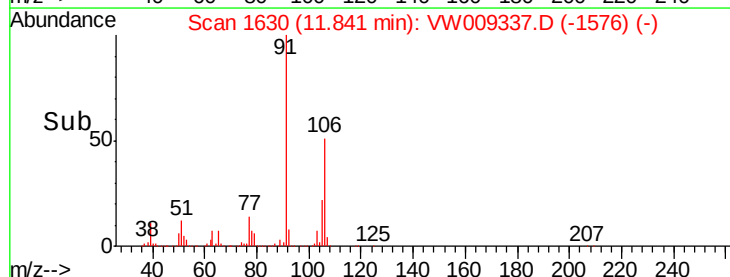
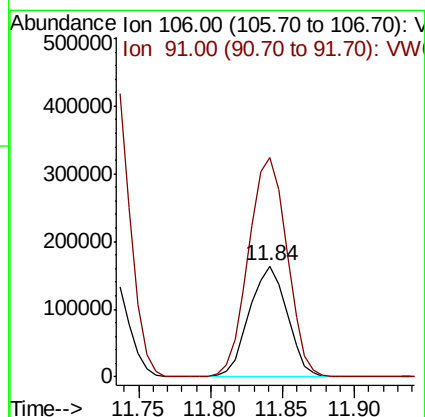
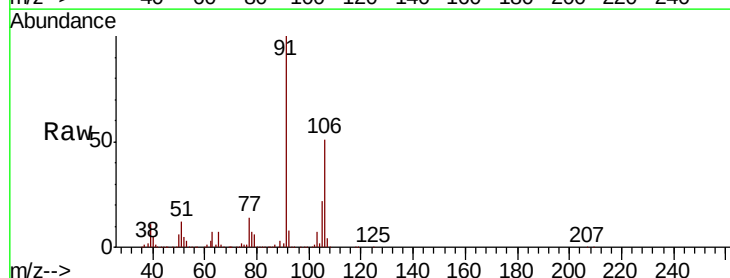
Acq: 21 Mar 2019 20:18

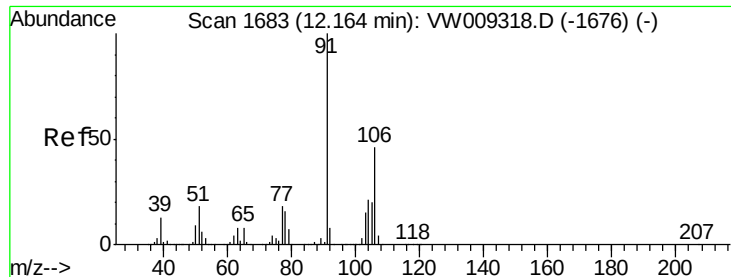
Tgt Ion: 106 Resp: 297730

Ion Ratio Lower Upper

106 100

91 198.0 138.4 257.0





#55

o-xylene

Concen: 28.091 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW009337.D

Acq: 21 Mar 2019 20:18

Instrument :

MSVOA_W

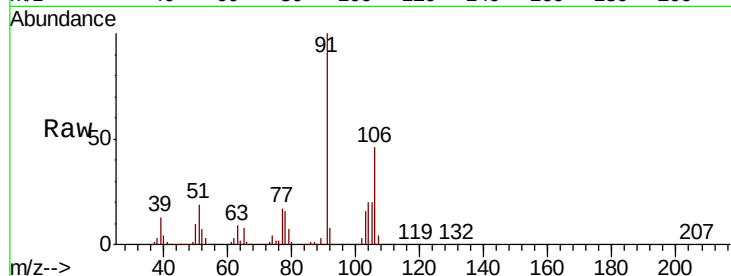
ClientSampled :

Tot Ion:106 Resp: 284649

Ion Ratio Lower Upper

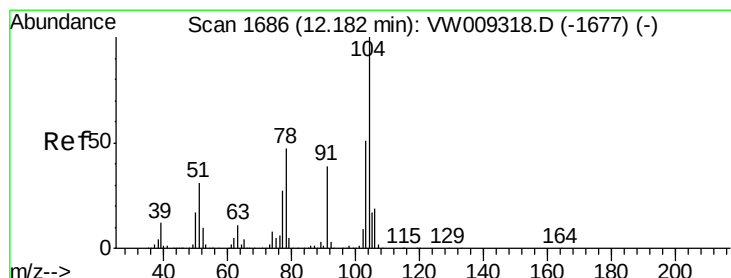
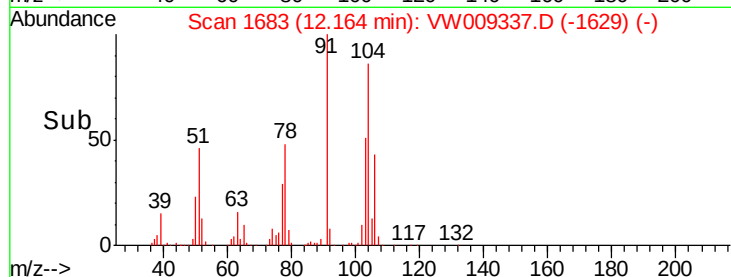
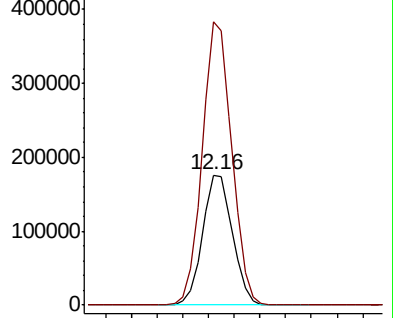
106 100

91 217.2 153.2 284.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 28.725 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW009337.D

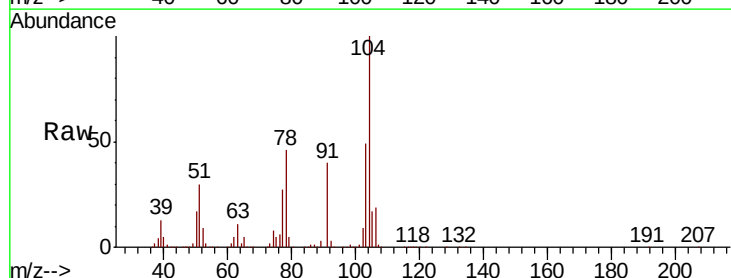
Acq: 21 Mar 2019 20:18

Tgt Ion:104 Resp: 496629

Ion Ratio Lower Upper

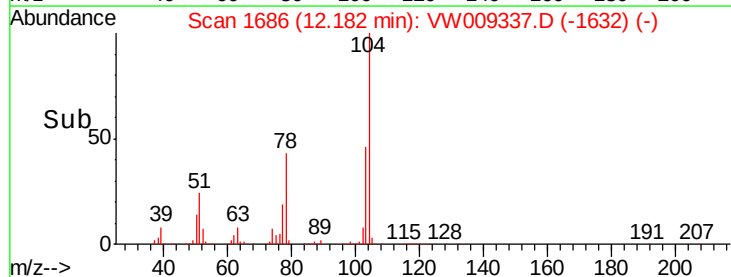
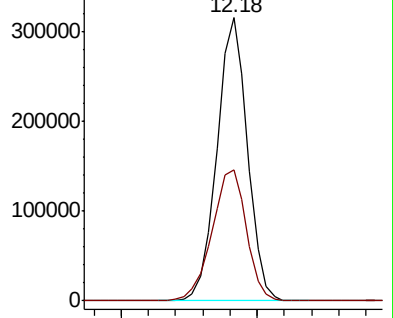
104 100

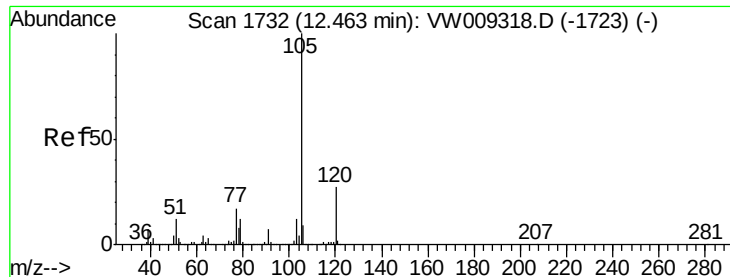
78 46.4 30.9 57.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 28.706 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW009337.D

Acq: 21 Mar 2019 20:18

Instrument :

MSVOA_W

ClientSampleId :

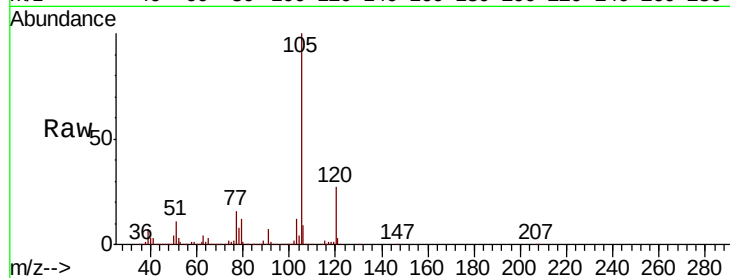
Tot Ion:105 Resp: 779203

Ion Ratio Lower Upper

105 100

120 27.0 21.3 31.9

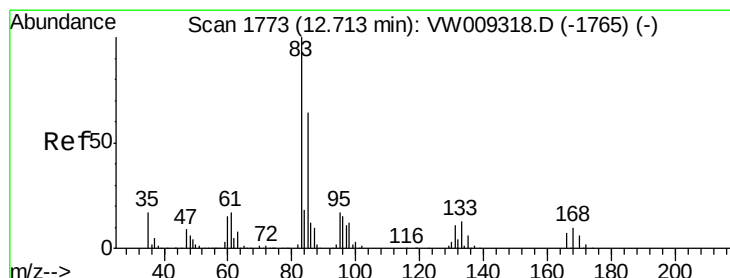
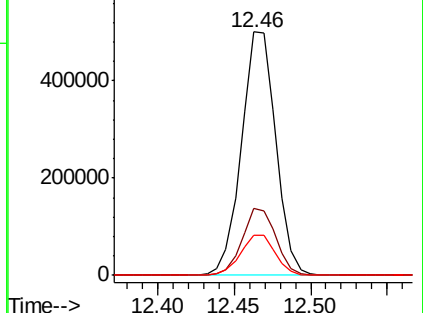
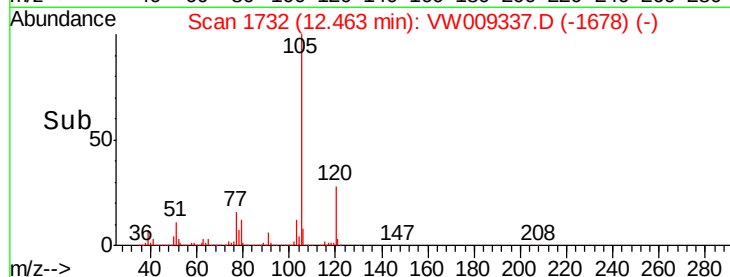
77 16.7 13.1 19.7



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: 26.062 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW009337.D

Acq: 21 Mar 2019 20:18

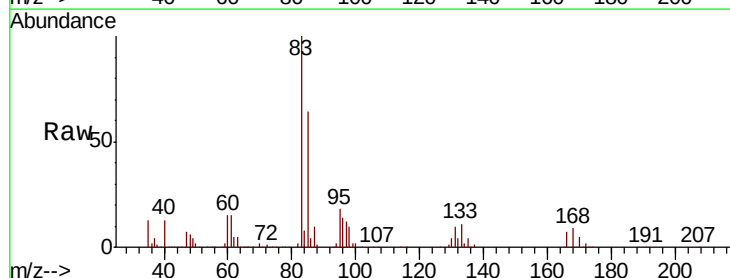
Tgt Ion: 83 Resp: 160089

Ion Ratio Lower Upper

83 100

85 64.1 45.6 84.8

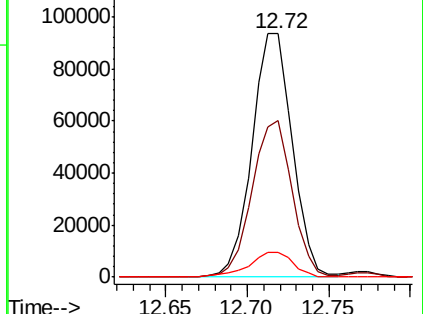
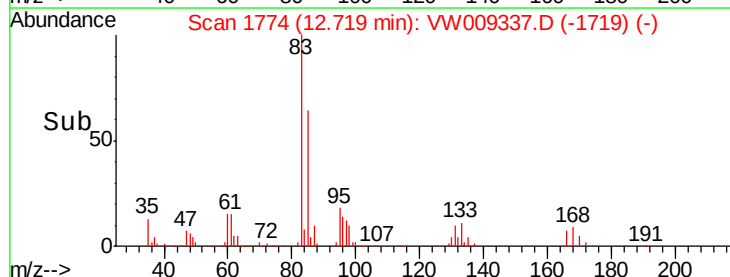
131 10.4 9.2 13.8

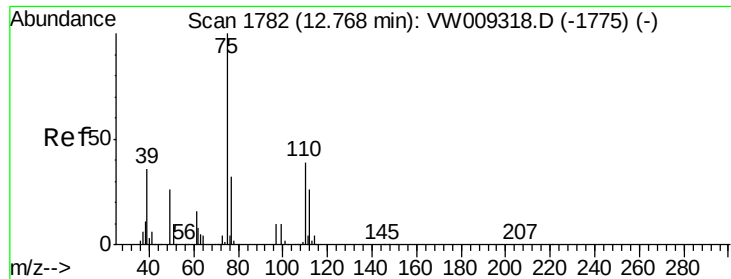


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 25.192 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW009337.D

Acq: 21 Mar 2019 20:18

Instrument :

MSVOA_W

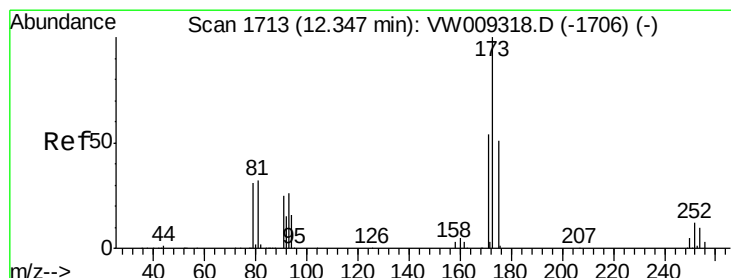
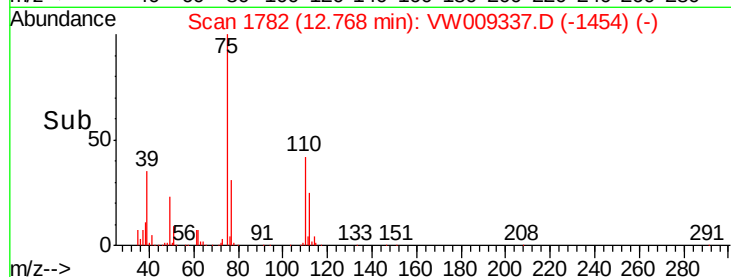
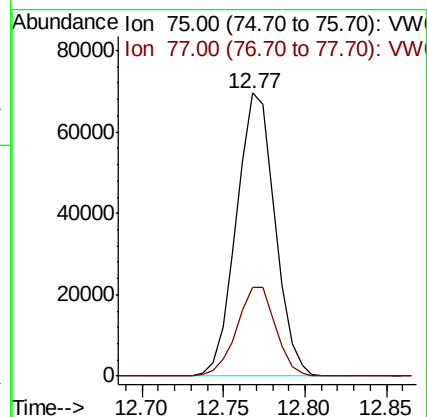
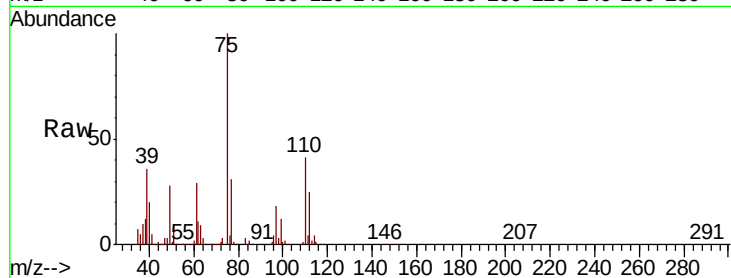
ClientSampleId :

Tot Ion: 75 Resp: 114841

Ion Ratio Lower Upper

75 100

77 31.8 26.2 39.2



#62

Bromoform

Concen: 25.386 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW009337.D

Acq: 21 Mar 2019 20:18

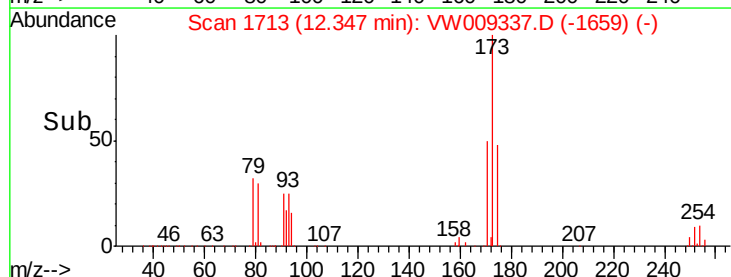
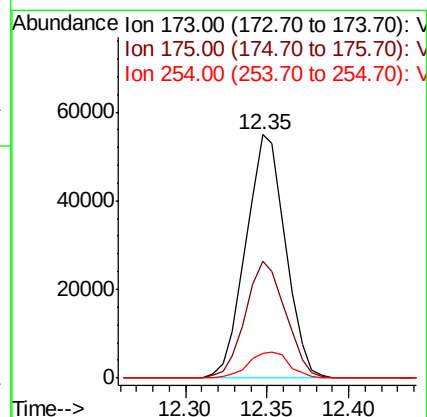
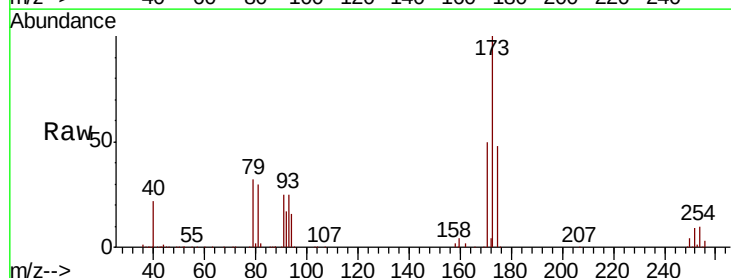
Tgt Ion: 173 Resp: 93151

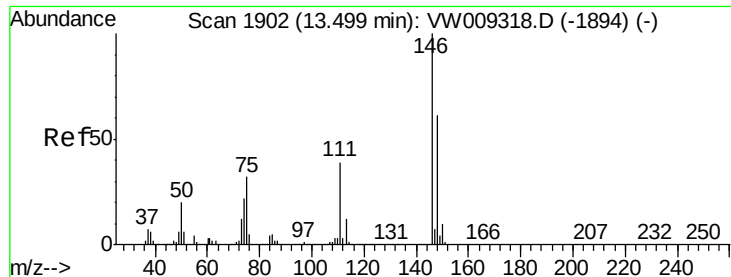
Ion Ratio Lower Upper

173 100

175 48.6 39.7 59.5

254 10.9 8.5 12.7

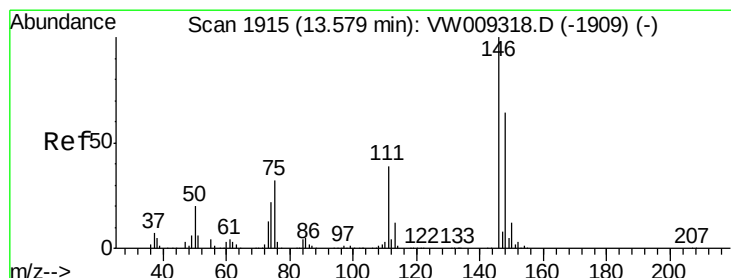
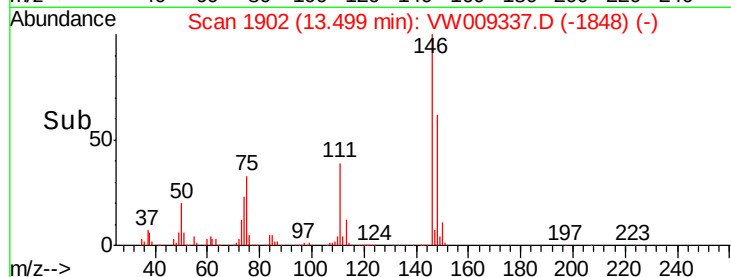
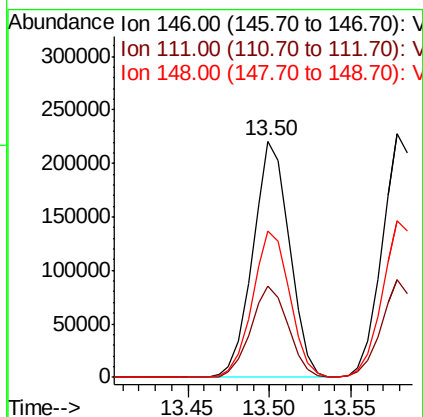
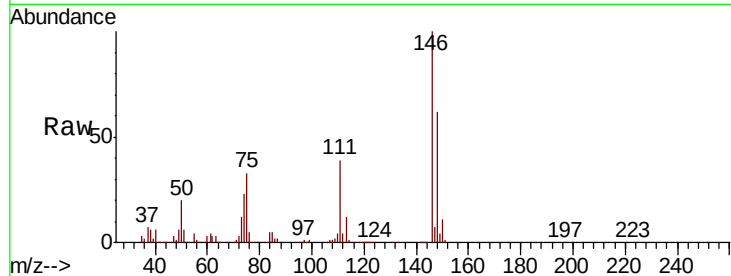




#63
 1,3-Dichlorobenzene
 Concen: 26.624 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW009337.D
 Acq: 21 Mar 2019 20:18

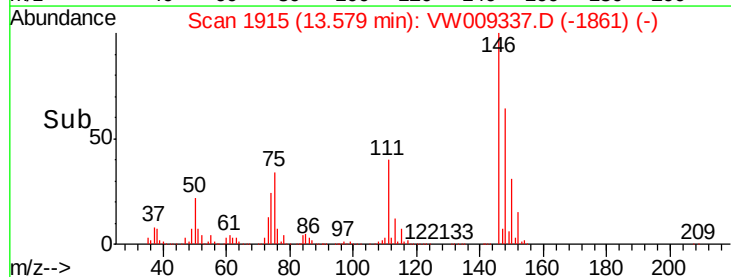
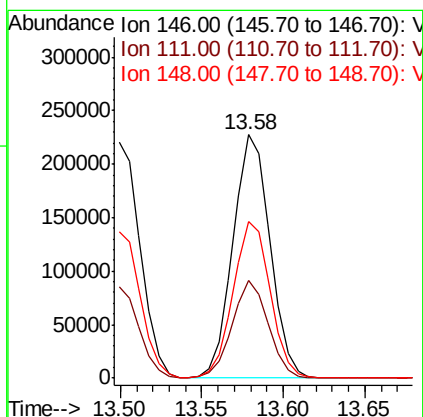
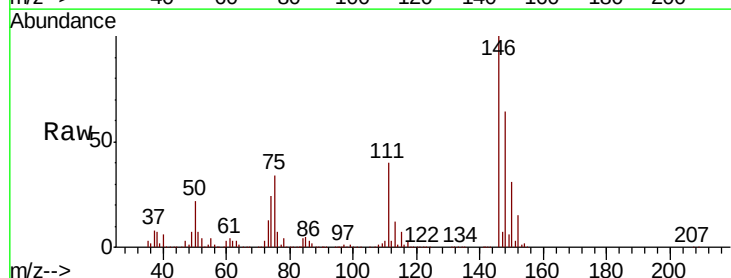
Instrument :
 MSVOA_W
 ClientSampleId :

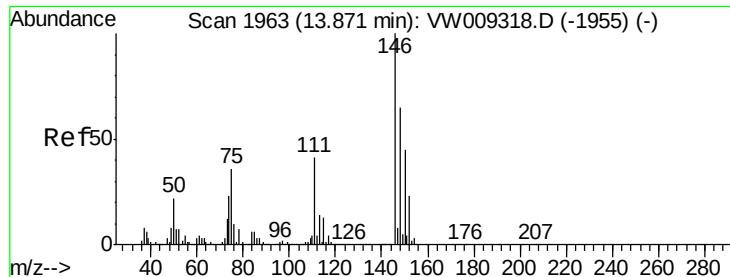
Tot Ion:146 Resp: 344605
 Ion Ratio Lower Upper
 146 100
 111 38.7 26.9 49.9
 148 62.1 45.1 83.7



#64
 1,4-Dichlorobenzene
 Concen: 26.993 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW009337.D
 Acq: 21 Mar 2019 20:18

Tgt Ion:146 Resp: 361220
 Ion Ratio Lower Upper
 146 100
 111 40.1 27.8 51.6
 148 64.2 46.3 86.1

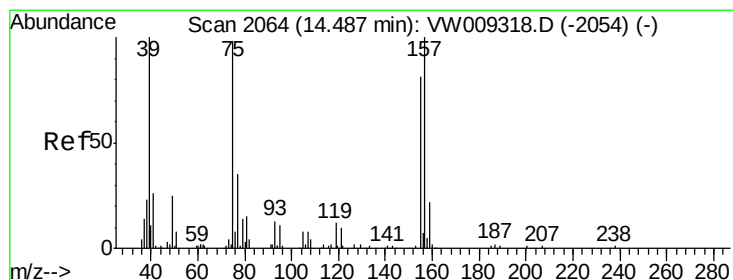
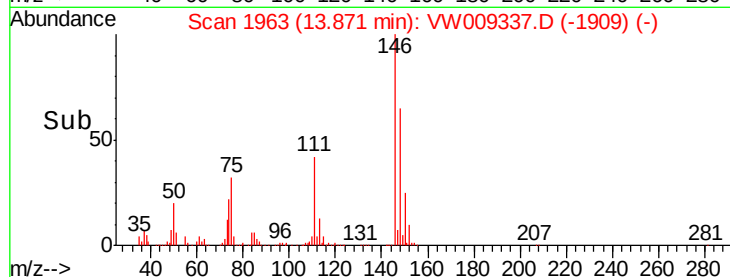
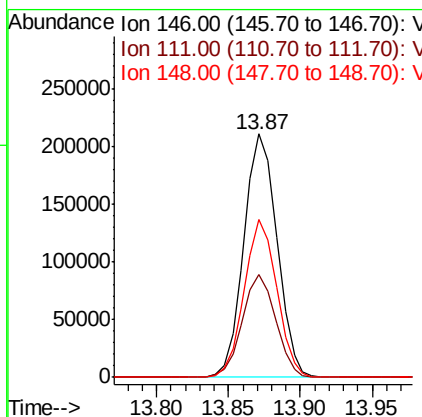
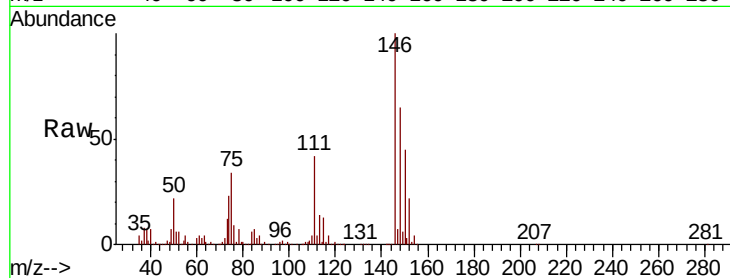




#65
 1,2-Dichlorobenzene
 Concen: 27.242 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW009337.D
 Acq: 21 Mar 2019 20:18

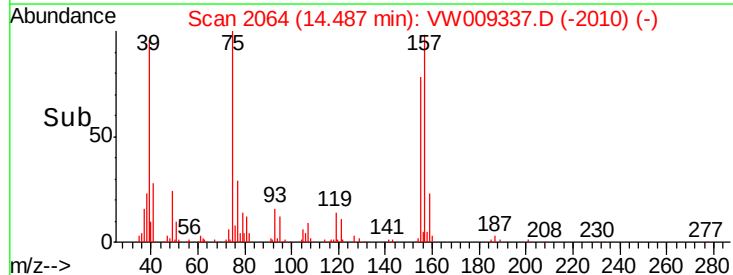
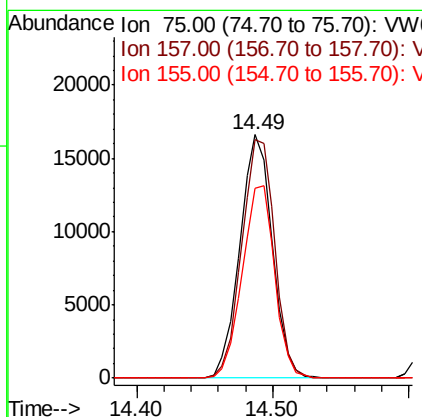
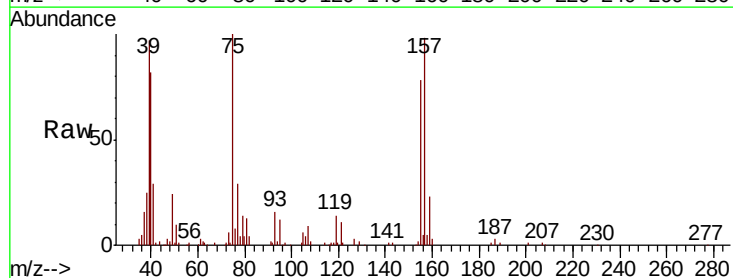
Instrument :
 MSVOA_W
 ClientSampleId :

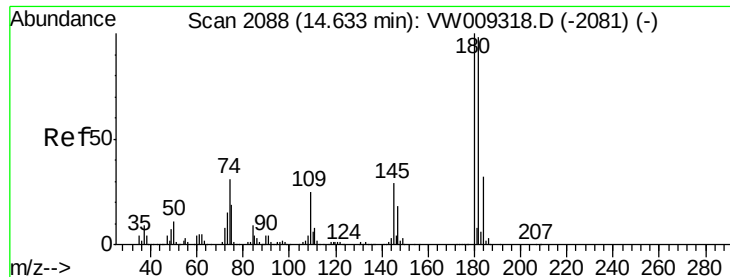
Tot Ion:146 Resp: 336266
 Ion Ratio Lower Upper
 146 100
 111 42.1 33.5 50.3
 148 64.8 50.2 75.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 22.871 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW009337.D
 Acq: 21 Mar 2019 20:18

Tgt Ion: 75 Resp: 27668
 Ion Ratio Lower Upper
 75 100
 157 98.0 89.0 133.4
 155 77.8 64.2 96.2

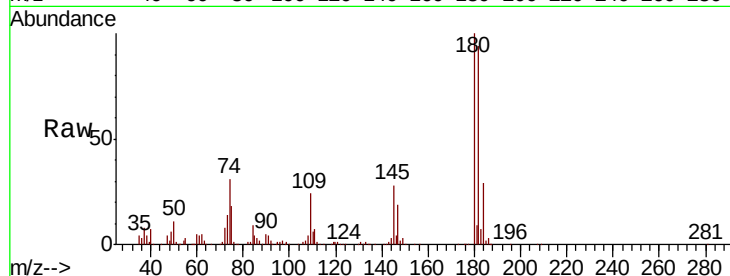




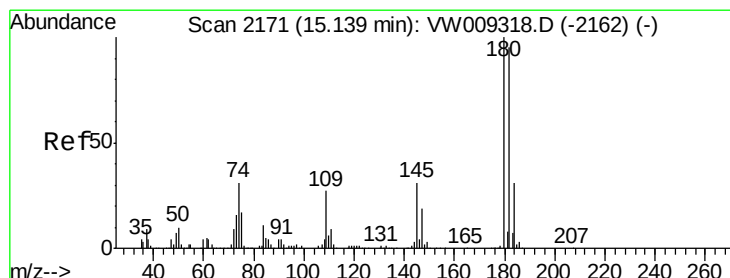
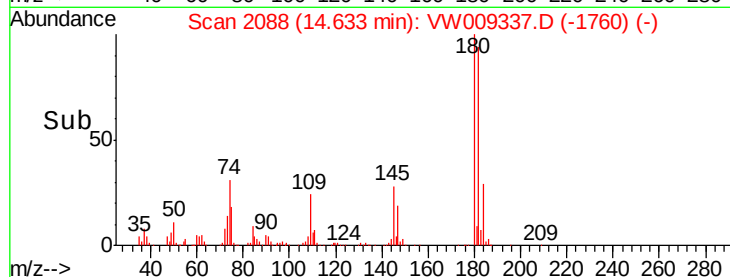
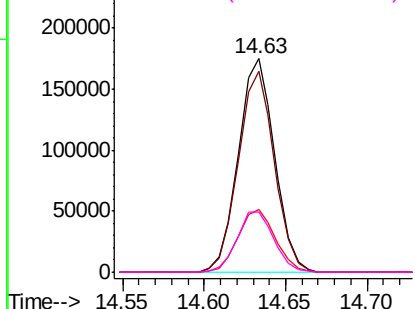
#67
 1,3,5-Trichlorobenzene
 Concen: 26.840 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW009337.D
 Acq: 21 Mar 2019 20:18

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion:180	Resp:	270965
Ion Ratio	Lower	Upper
180	100	
182	93.8	76.1 114.1
184	30.3	23.8 35.6
145	28.7	23.4 35.2

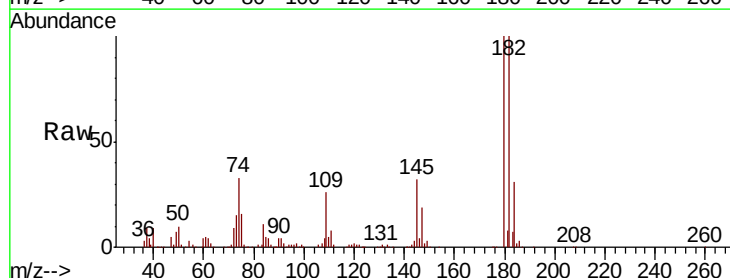


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

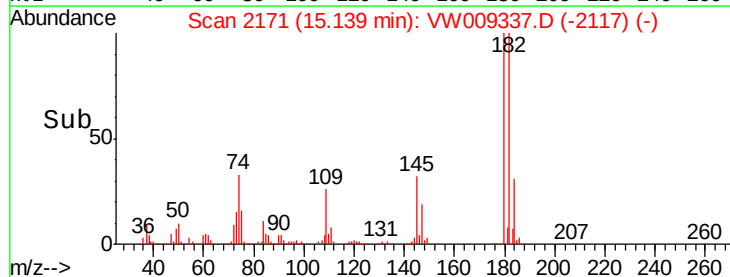
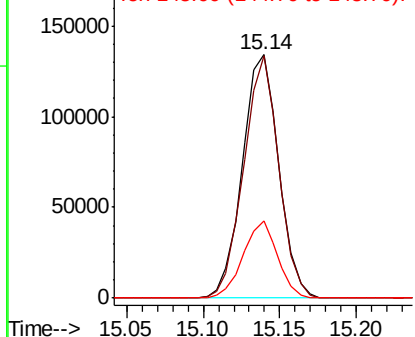


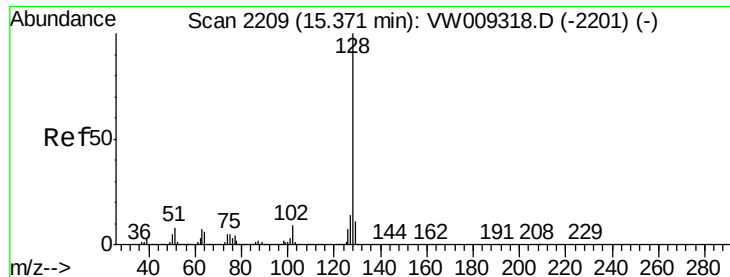
#68
 1,2,4-trichlorobenzene
 Concen: 26.162 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW009337.D
 Acq: 21 Mar 2019 20:18

Tgt Ion:180	Resp:	221854
Ion Ratio	Lower	Upper
180	100	
182	95.6	75.5 113.3
145	30.2	24.1 36.1



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: 25.063 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW009337.D

Acq: 21 Mar 2019 20:18

Instrument :

MSVOA_W

ClientSampleId :

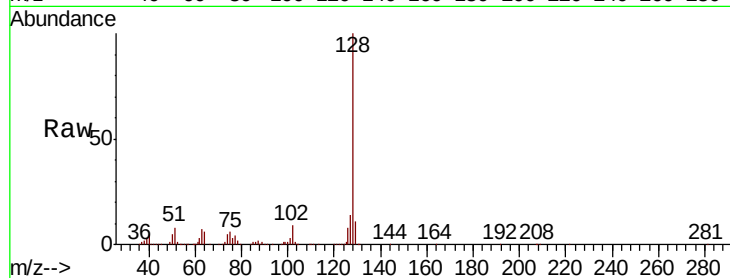
Tot Ion:128 Resp: 440637

Ion Ratio Lower Upper

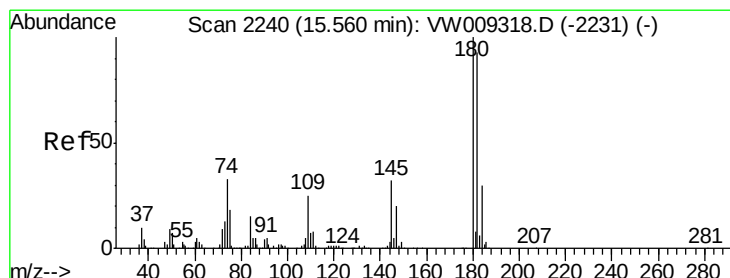
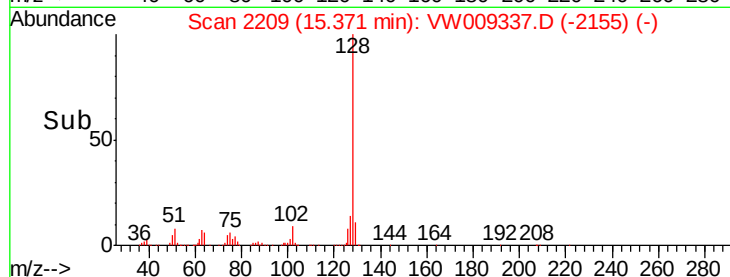
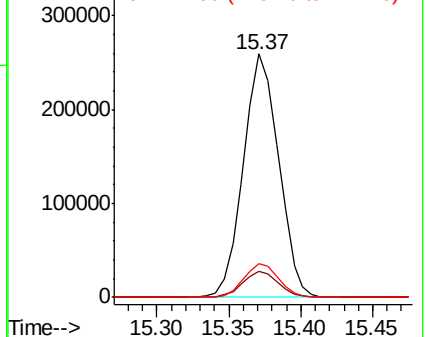
128 100

129 10.9 8.7 13.1

127 13.8 11.1 16.7



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: 26.864 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW009337.D

Acq: 21 Mar 2019 20:18

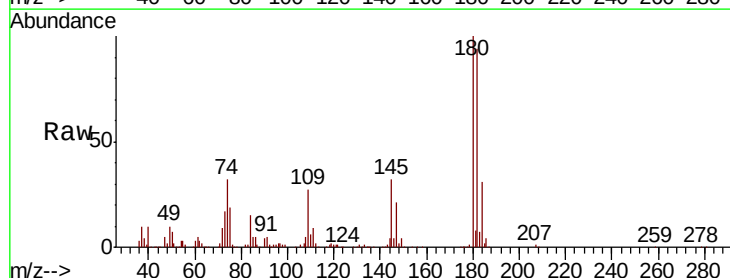
Tgt Ion:180 Resp: 213372

Ion Ratio Lower Upper

180 100

182 93.9 77.2 115.8

145 32.2 25.8 38.6



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

