

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032519\
 Data File : VW009418.D
 Acq On : 25 Mar 2019 10:06
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 26 07:42:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 23 23:52:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	478531	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	450164	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	235919	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	125731	21.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.96%
7) Chloroethane-d5	2.89	69	142117	21.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.96%
10) 1,1-Dichloroethene-d2	4.02	63	300515	24.31	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	97.24%
20) 2-Butanone-d5	7.07	46	104345	44.12	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.24%
24) Chloroform-d	7.65	84	307448	23.54	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.16%
26) 1,2-Dichloroethane-d4	8.31	65	182957	23.26	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	93.04%
29) Benzene-d6	8.27	84	571657	23.03	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.12%
33) 1,2-Dichloropropane-d6	9.27	67	175489	23.53	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.12%
37) Toluene-d8	10.32	98	529644	23.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.28%
38) trans-1,3-Dichloropropene-	10.58	79	83602	22.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.28%
39) 2-Hexanone-d5	10.93	63	80803	44.74	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.48%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	174276	23.73	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.92%
61) 1,2-Dichlorobenzene-d4	13.86	152	206536	22.83	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.32%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	2.21	50	147487	22.052	ug/L	100
5) Vinyl chloride	2.37	62	203701	29.590	ug/L	99
6) Bromomethane	2.78	94	150387	26.075	ug/L	100
8) Chloroethane	2.92	64	146560	25.733	ug/L	93
9) Trichlorofluoromethane	3.25	101	125555	23.089	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	160695	25.589	ug/L	93
12) 1,1-Dichloroethene	4.03	96	157166	26.671	ug/L	93
13) Acetone	4.12	43	100142	51.637	ug/L	99
14) Carbon disulfide	4.37	76	452003	28.501	ug/L	99
15) Methyl Acetate	4.67	43	87830	23.053	ug/L	96
16) Methylene chloride	4.92	84	162062	23.224	ug/L	94
17) Methyl tert-butyl Ether	5.42	73	207581	24.896	ug/L	97
18) trans-1,2-Dichloroethene	5.42	96	157365	25.400	ug/L	93
19) 1,1-Dichloroethane	6.21	63	300205	26.575	ug/L	98
21) 2-Butanone	7.17	43	127363	47.563	ug/L	97
22) cis-1,2-Dichloroethene	7.16	96	173416	25.839	ug/L	98
23) Bromochloromethane	7.51	128	78440	24.368	ug/L	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032519\
 Data File : VW009418.D
 Acq On : 25 Mar 2019 10:06
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 26 07:42:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 23 23:52:05 2019
 Response via : Initial Calibration

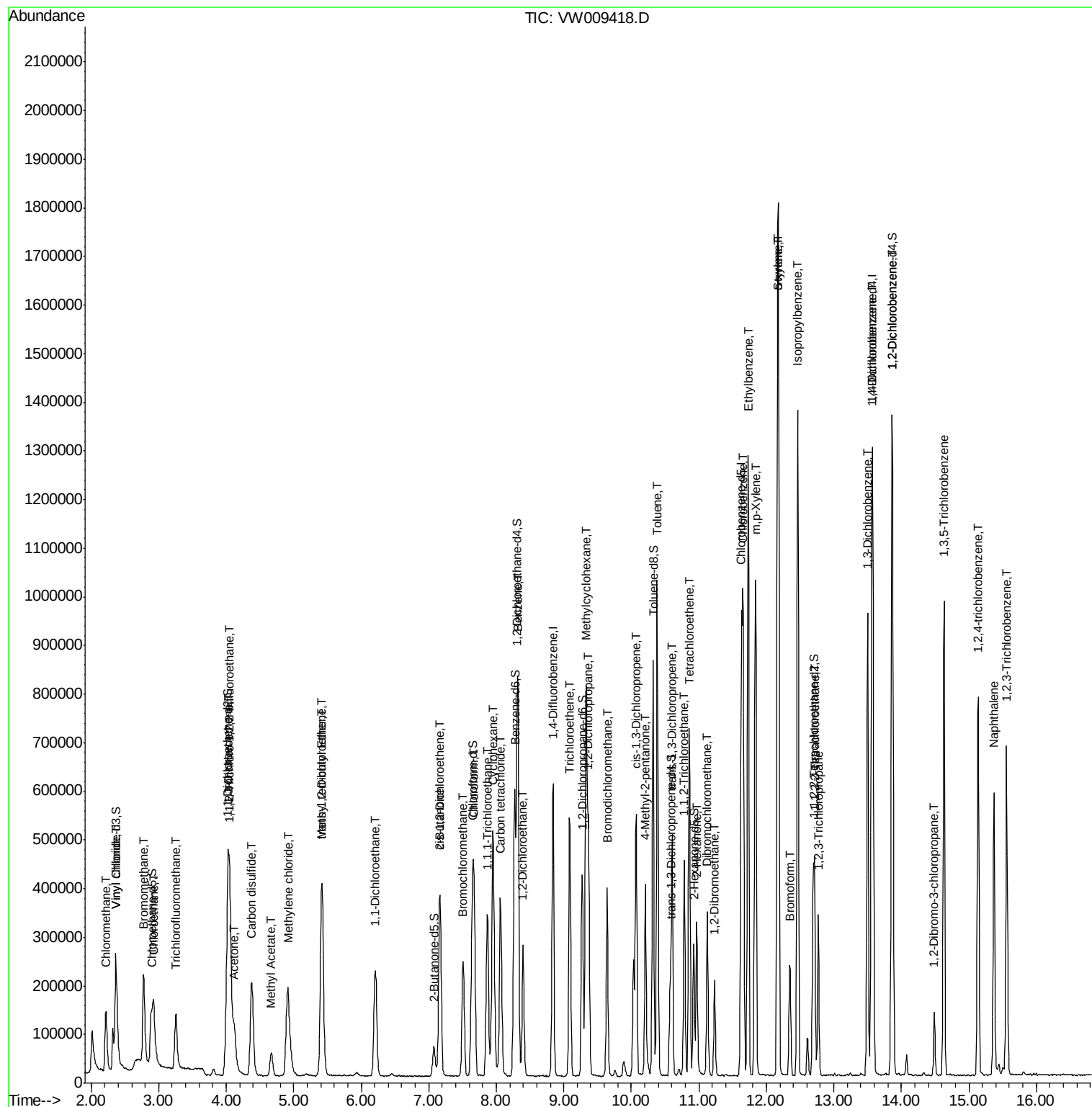
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	7.67	83	313324	26.485	ug/L	99
27) 1,2-Dichloroethane	8.40	62	230991	26.189	ug/L	98
30) Cyclohexane	7.95	56	275142	26.912	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	257093	28.595	ug/L	100
32) Carbon tetrachloride	8.07	117	256278	28.252	ug/L	99
34) Benzene	8.32	78	663840	26.942	ug/L	100
35) Trichloroethene	9.09	95	172669	26.300	ug/L	98
36) Methylcyclohexane	9.33	83	298419	26.272	ug/L	98
40) 1,2-Dichloropropane	9.37	63	164986	26.094	ug/L	99
41) Bromodichloromethane	9.64	83	231569	26.433	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	270087	26.227	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	260438	45.457	ug/L	100
44) Toluene	10.38	91	723588	26.859	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	235881	26.331	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	126178	25.015	ug/L	98
47) Tetrachloroethene	10.86	164	143023	25.782	ug/L	98
49) 2-Hexanone	10.97	43	198574	49.210	ug/L	99
50) Dibromochloromethane	11.13	129	159844	25.670	ug/L	95
51) 1,2-Dibromoethane	11.24	107	126522	24.742	ug/L	96
52) Chlorobenzene	11.66	112	458268	26.522	ug/L	98
53) Ethylbenzene	11.73	91	828309	27.348	ug/L	99
54) m,p-Xylene	11.84	106	310567	26.990	ug/L	95
55) o-xylene	12.16	106	298023	26.548	ug/L	97
56) Styrene	12.18	104	521077	27.205	ug/L	98
57) Isopropylbenzene	12.46	105	834232	27.742	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	171304	25.174	ug/L	95
59) 1,2,3-Trichloropropane	12.77	75	126214	24.992	ug/L	100
62) Bromoform	12.35	173	98161	24.625	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	358680	25.510	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	377682	25.981	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	349237	26.045	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	31512	23.979	ug/L	89
67) 1,3,5-Trichlorobenzene	14.63	180	284400	25.932	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	234613	25.468	ug/L	99
69) Naphthalene	15.37	128	469332	24.574	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	219288	25.415	ug/L	98

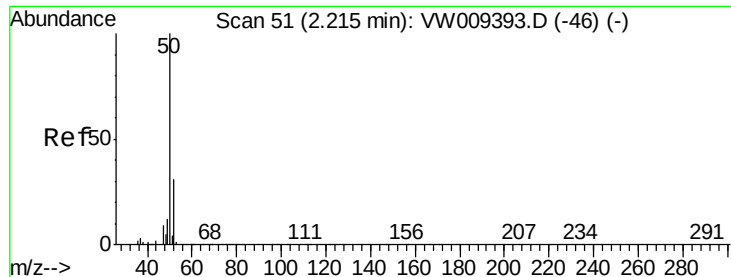
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW032519\
Data File : VW009418.D
Acq On : 25 Mar 2019 10:06
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampled :

Quant Time: Mar 26 07:42:52 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
Quant Title : VOC Analysis
QLast Update : Sat Mar 23 23:52:05 2019
Response via : Initial Calibration





#3

Chloromethane

Concen: 22.052 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW009418.D

Acq: 25 Mar 2019 10:06

Instrument :

MSVOA_L

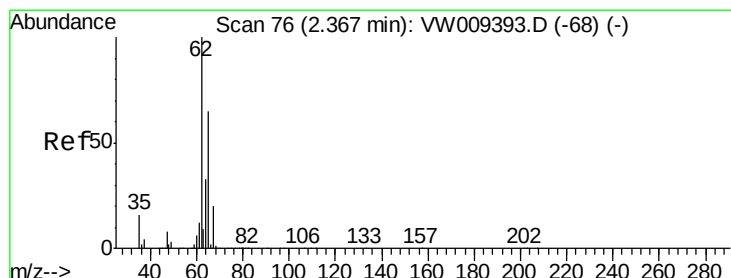
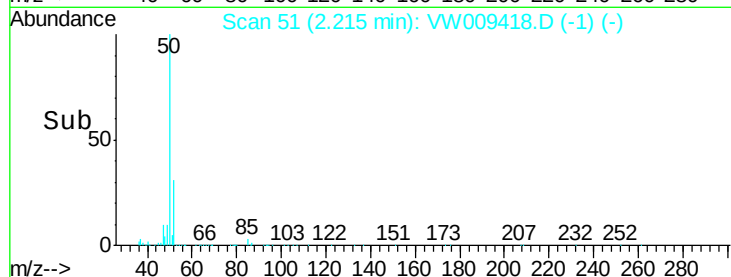
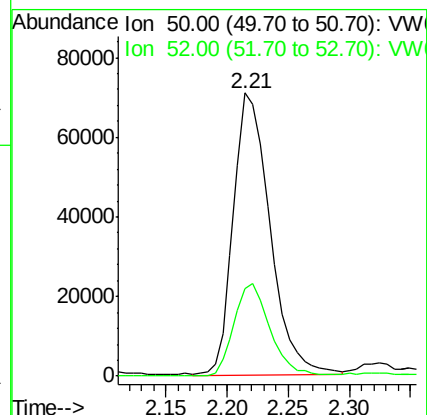
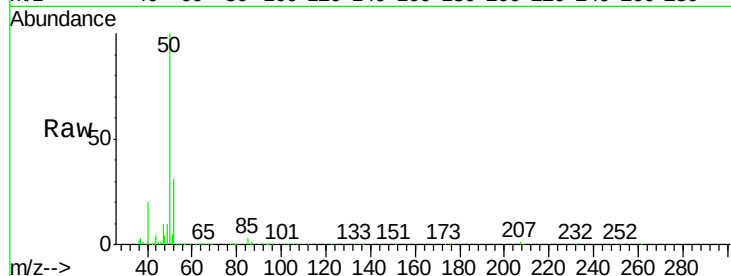
ClientSampleId :

Tot Ion: 50 Resp: 147487

Ion Ratio Lower Upper

50 100

52 31.0 21.6 40.2



#5

Vinyl chloride

Concen: 29.590 ug/L

RT: 2.37 min Scan# 77

Delta R.T. 0.01 min

Lab File: VW009418.D

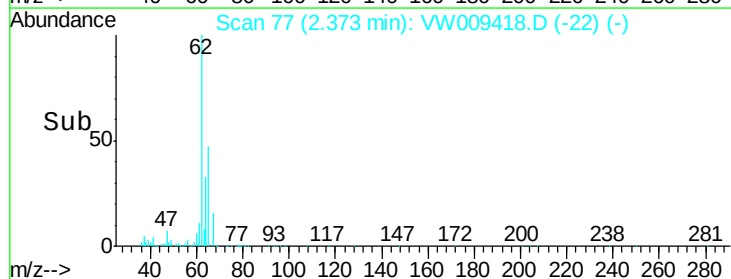
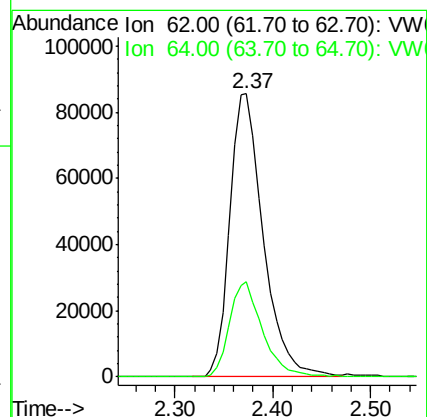
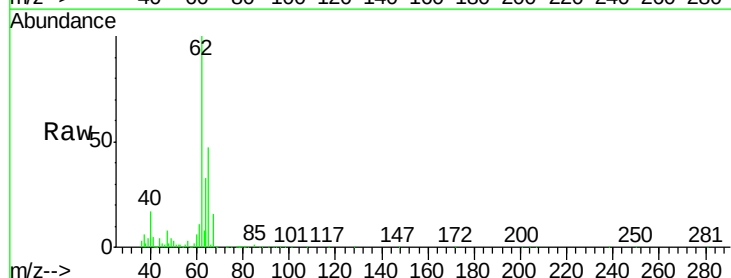
Acq: 25 Mar 2019 10:06

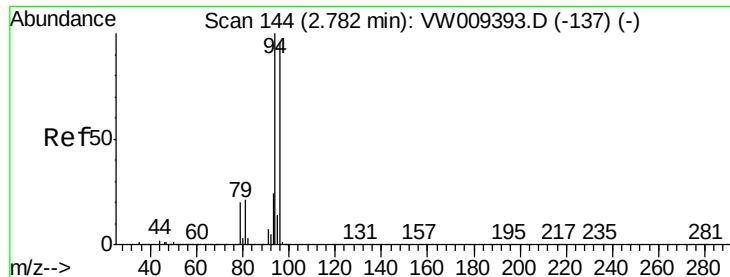
Tgt Ion: 62 Resp: 203701

Ion Ratio Lower Upper

62 100

64 33.5 23.0 42.6





#6

Bromomethane

Concen: 26.075 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW009418.D

Acq: 25 Mar 2019 10:06

Instrument :

MSVOA_L

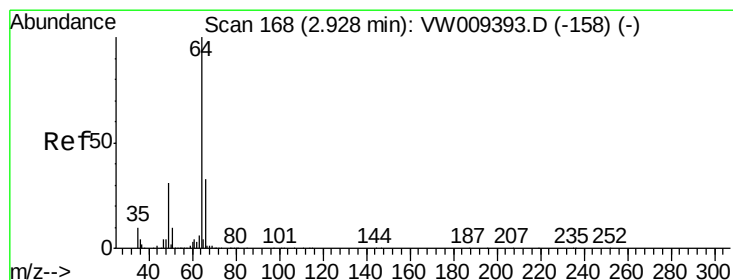
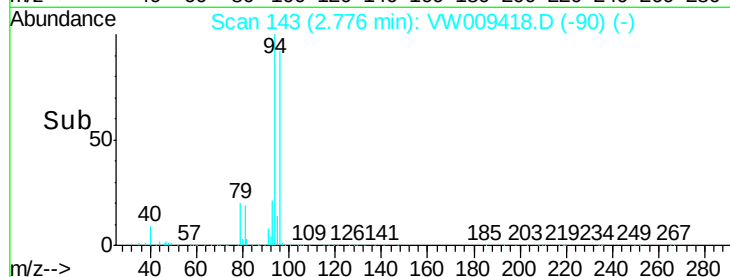
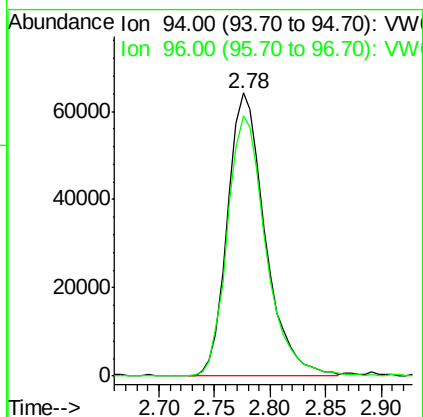
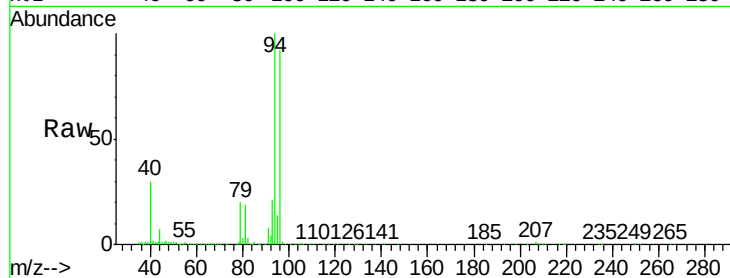
ClientSampleId :

Tot Ion: 94 Resp: 150387

Ion Ratio Lower Upper

94 100

96 93.6 9.4 178.4



#8

Chloroethane

Concen: 25.733 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW009418.D

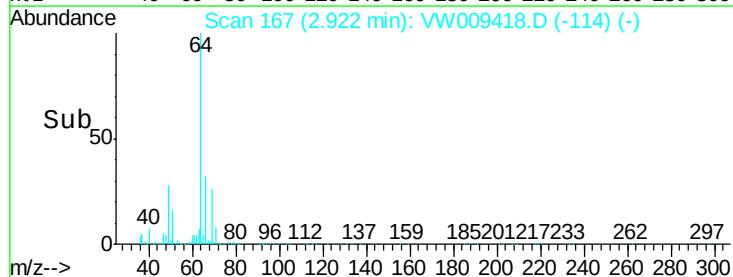
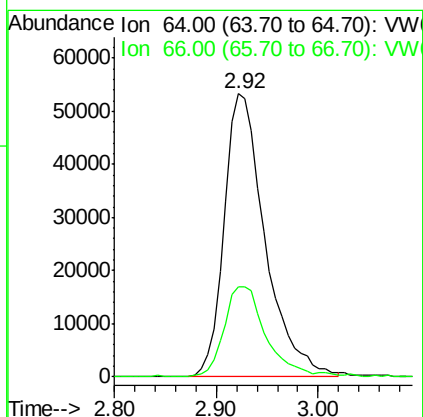
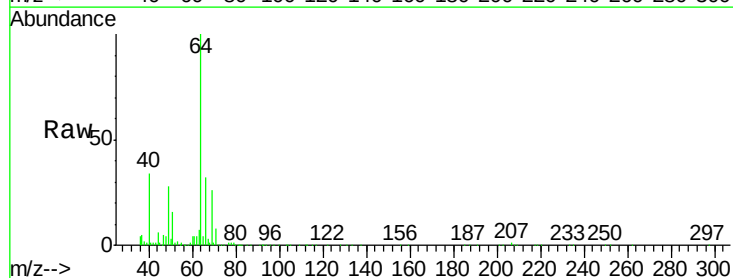
Acq: 25 Mar 2019 10:06

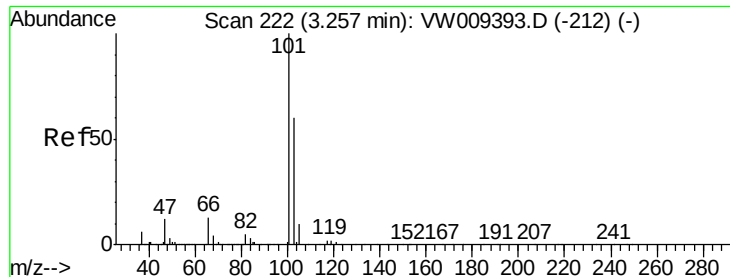
Tgt Ion: 64 Resp: 146560

Ion Ratio Lower Upper

64 100

66 31.9 25.1 46.7



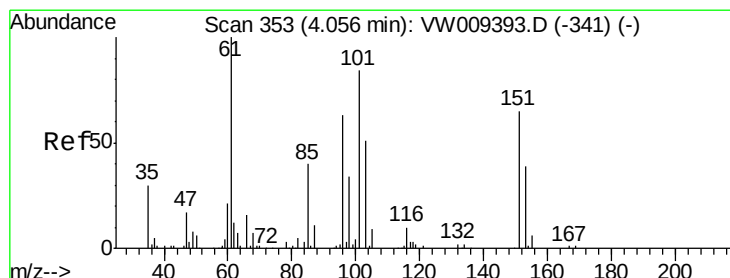
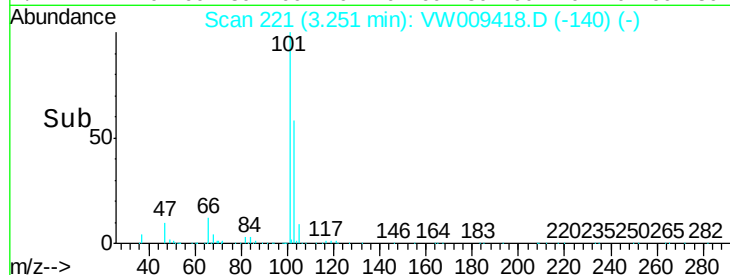
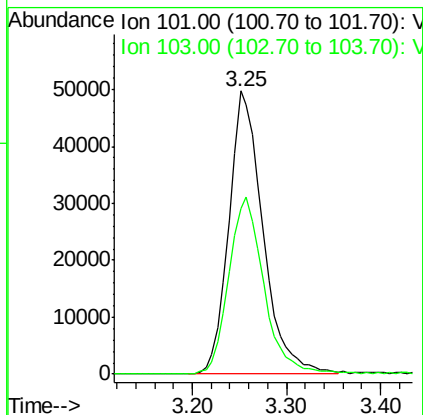
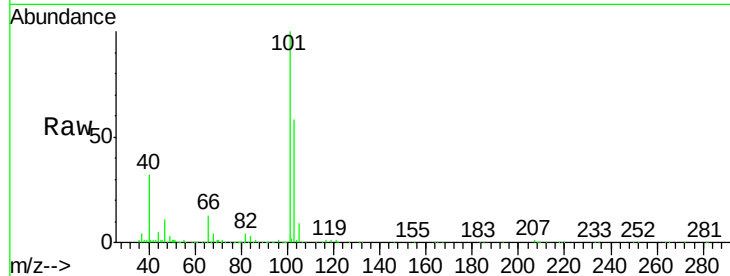


#9

Trichlorofluoromethane
Concen: 23.089 ug/L
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW009418.D
Acq: 25 Mar 2019 10:06

Instrument :
MSVOA_L
ClientSampled :

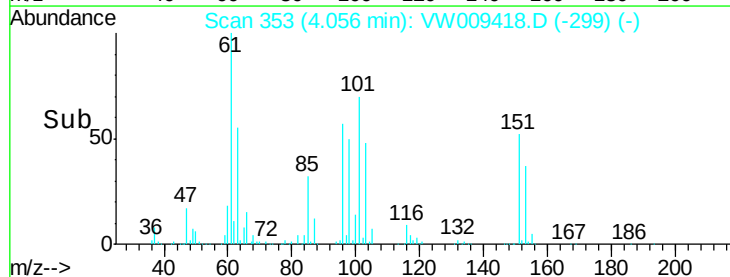
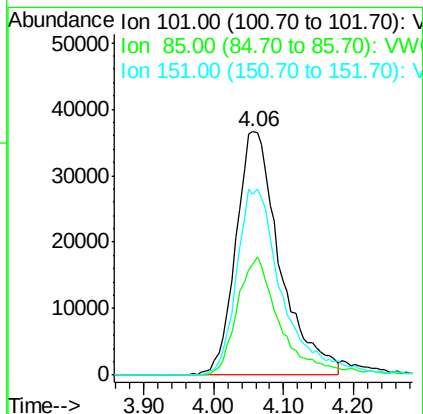
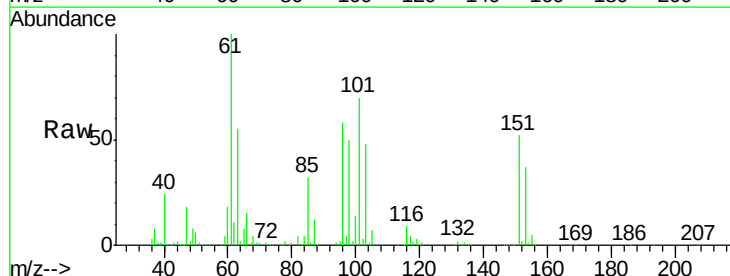
Tot Ion:101 Resp: 125555
Ion Ratio Lower Upper
101 100
103 63.0 45.0 83.6

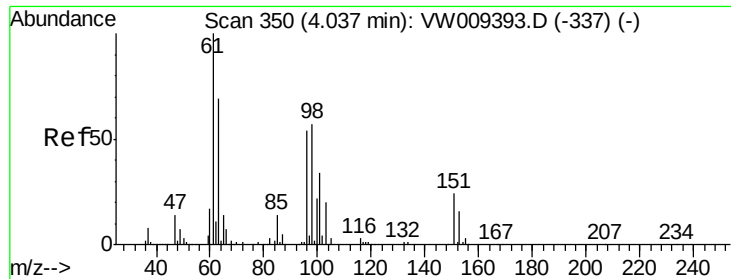


#11

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 25.589 ug/L
RT: 4.06 min Scan# 353
Delta R.T. 0.00 min
Lab File: VW009418.D
Acq: 25 Mar 2019 10:06

Tgt Ion:101 Resp: 160695
Ion Ratio Lower Upper
101 100
85 44.9 32.6 48.8
151 72.8 63.3 94.9

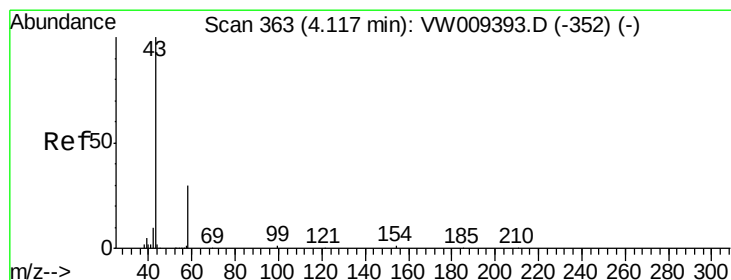
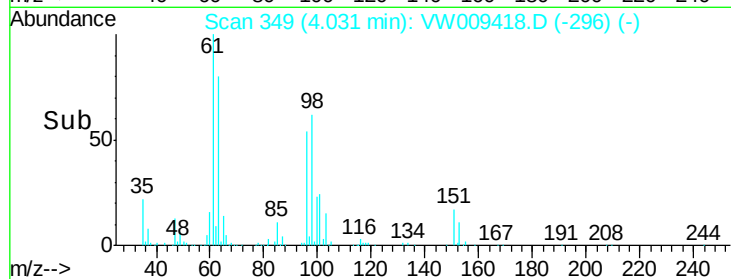
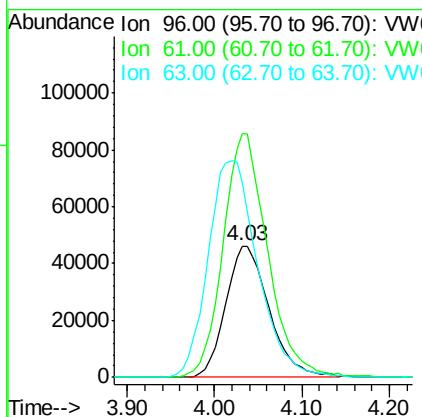
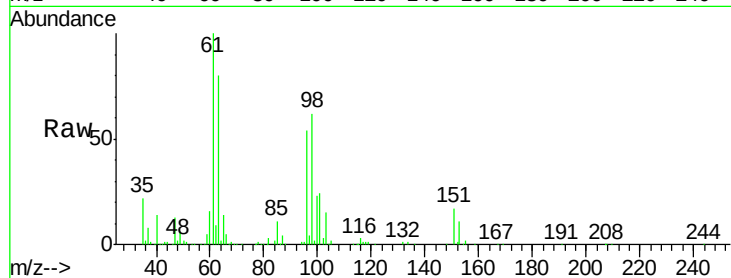




#12
 1,1-Dichloroethene
 Concen: 26.671 ug/L
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW009418.D
 Acq: 25 Mar 2019 10:06

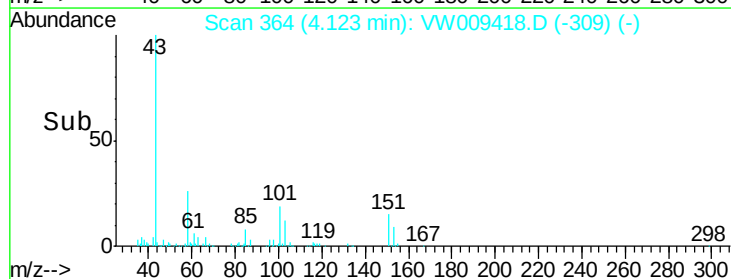
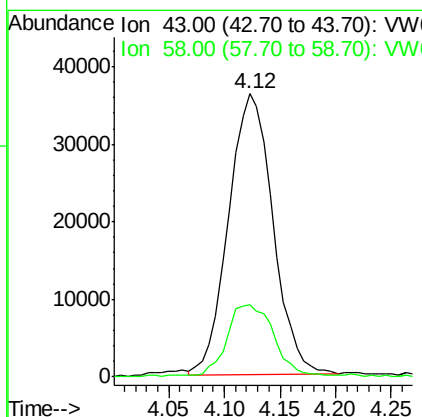
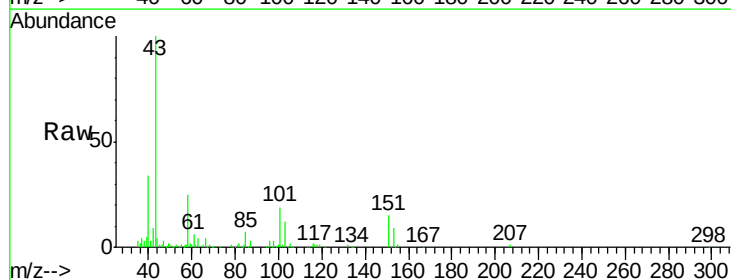
Instrument :
 MSVOA_L
 ClientSampleId :

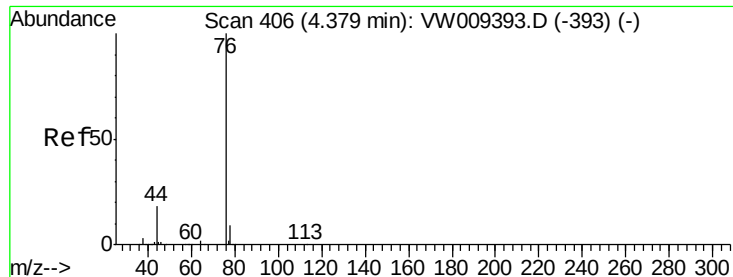
Tot Ion: 96 Resp: 157166
 Ion Ratio Lower Upper
 96 100
 61 185.1 129.4 240.2
 63 148.6 116.8 217.0



#13
 Acetone
 Concen: 51.637 ug/L
 RT: 4.12 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VW009418.D
 Acq: 25 Mar 2019 10:06

Tgt Ion: 43 Resp: 100142
 Ion Ratio Lower Upper
 43 100
 58 27.4 0.0 56.2





#14

Carbon disulfide

Concen: 28.501 ug/L

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW009418.D

Acq: 25 Mar 2019 10:06

Instrument :

MSVOA_L

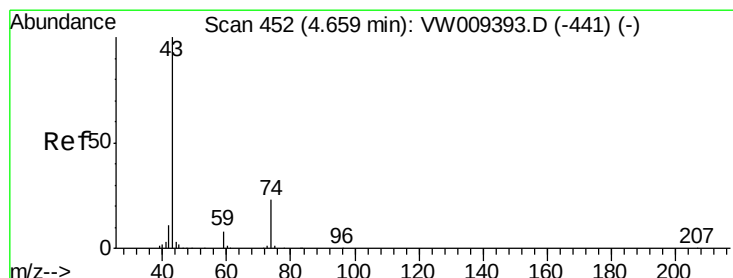
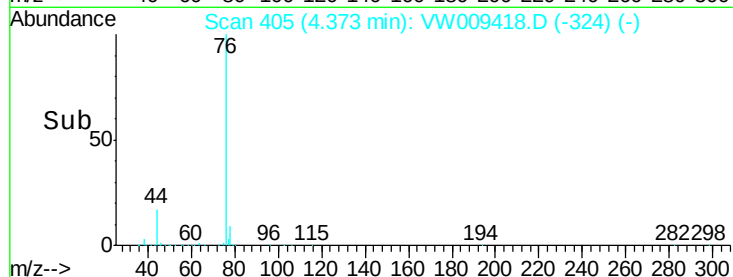
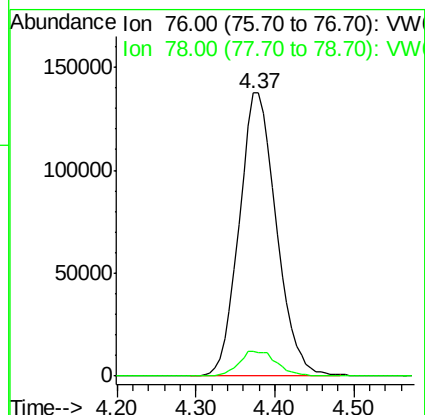
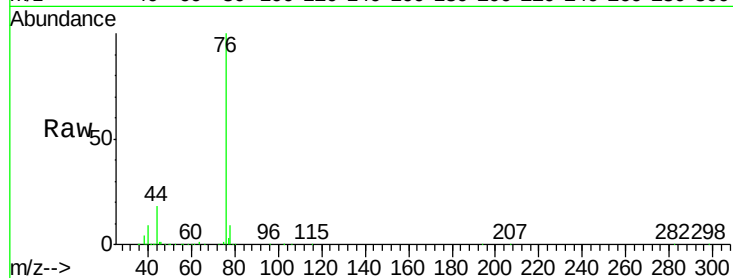
ClientSampled :

Tot Ion: 76 Resp: 452003

Ion Ratio Lower Upper

76 100

78 8.7 7.3 10.9



#15

Methyl Acetate

Concen: 23.053 ug/L

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW009418.D

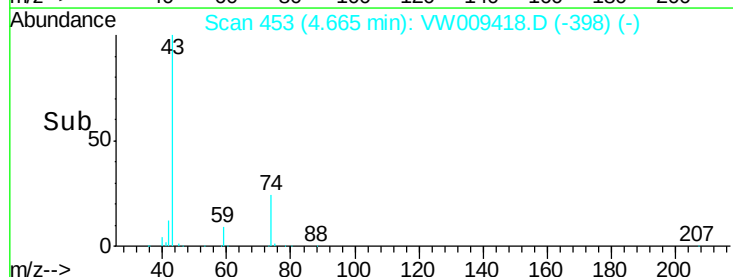
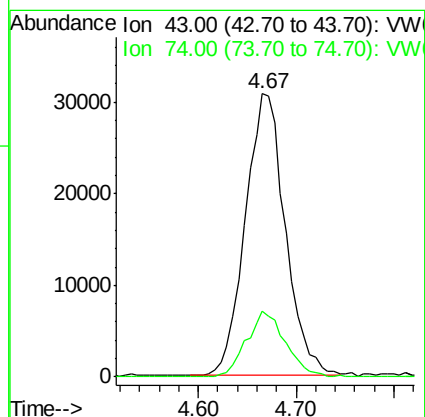
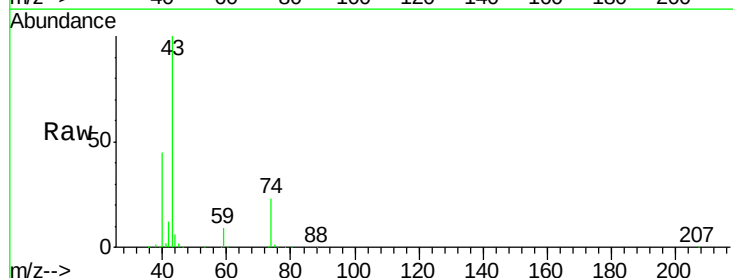
Acq: 25 Mar 2019 10:06

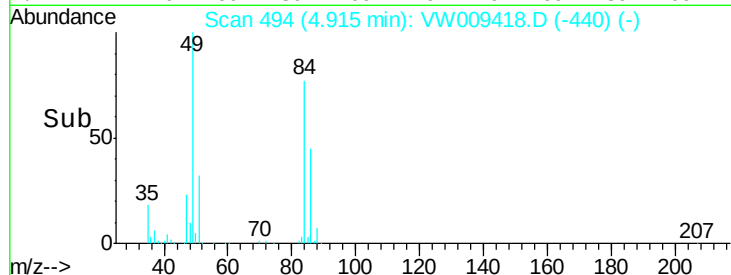
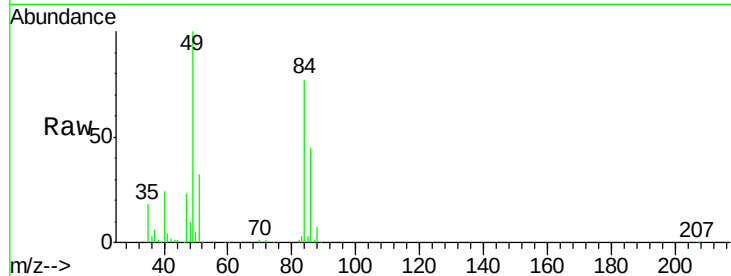
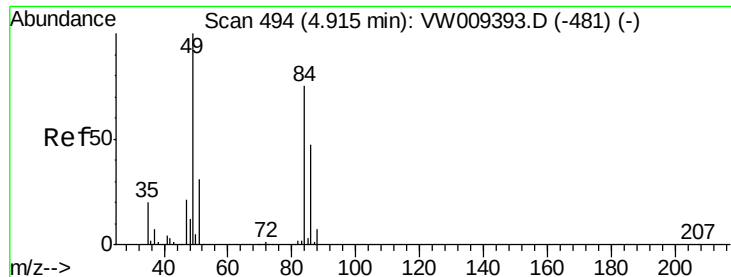
Tgt Ion: 43 Resp: 87830

Ion Ratio Lower Upper

43 100

74 22.6 16.7 25.1

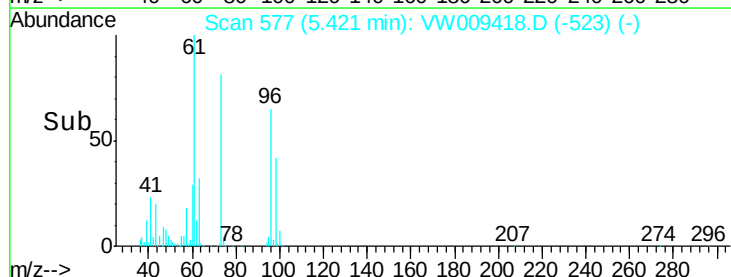
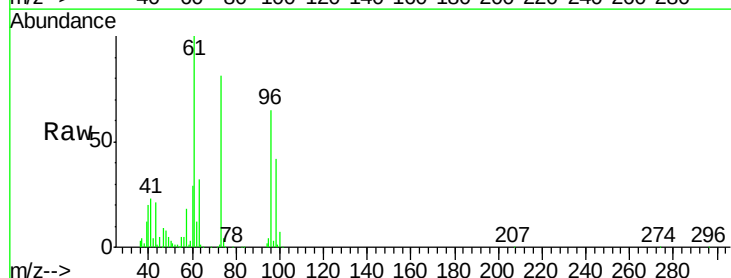
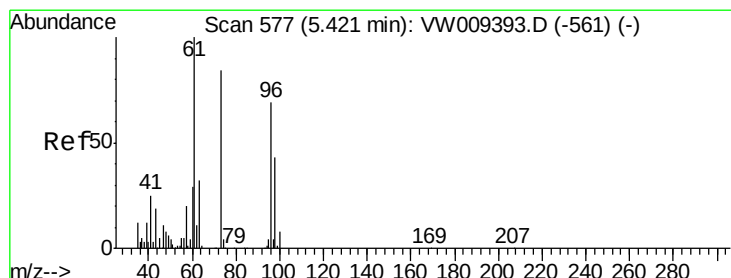
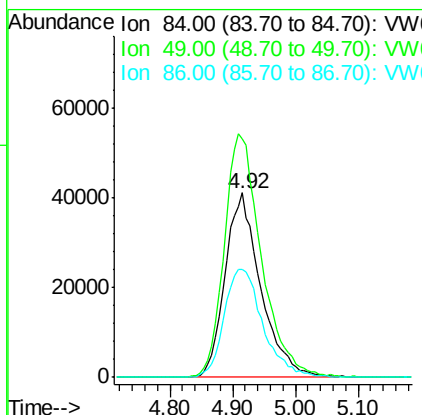




#16
Methylene chloride
Concen: 23.224 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW009418.D
Acq: 25 Mar 2019 10:06

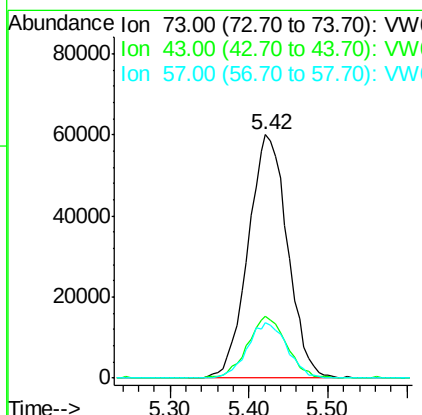
Instrument :
MSVOA_L
ClientSampleId :

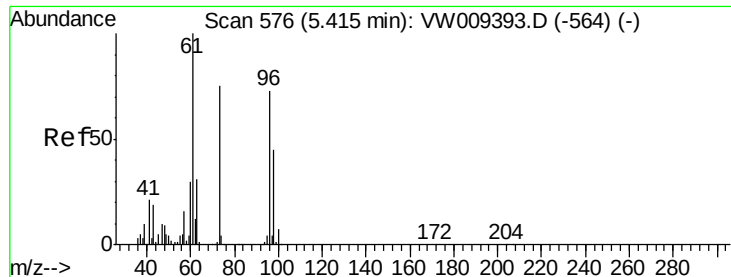
Tot Ion: 84 Resp: 162062
Ion Ratio Lower Upper
84 100
49 129.5 96.0 178.2
86 58.6 44.4 82.5



#17
Methyl tert-butyl Ether
Concen: 24.896 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW009418.D
Acq: 25 Mar 2019 10:06

Tgt Ion: 73 Resp: 207581
Ion Ratio Lower Upper
73 100
43 25.1 18.2 27.4
57 22.9 17.8 26.8





#18

trans-1,2-Dichloroethene

Concen: 25.400 ug/L

RT: 5.42 min Scan# 576

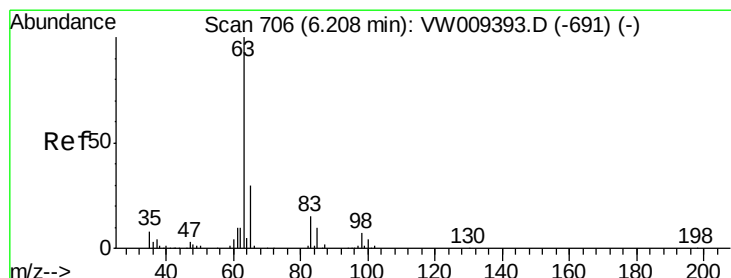
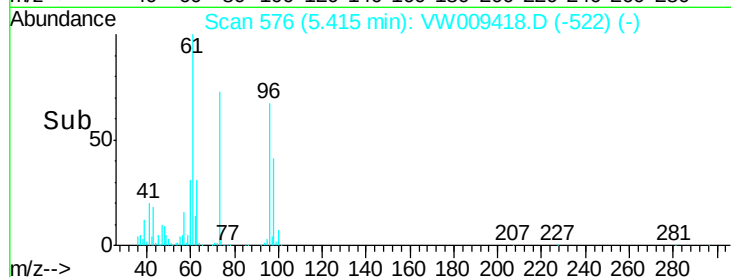
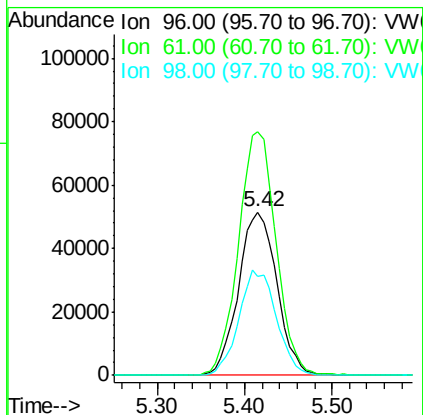
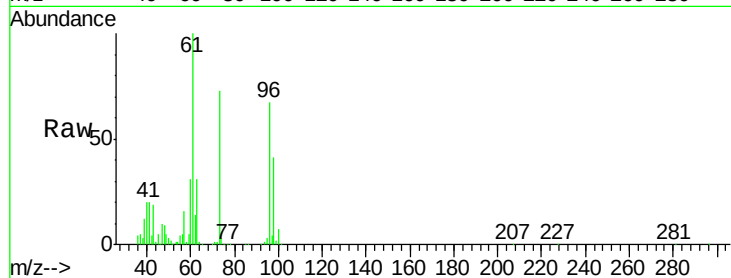
Delta R.T. 0.00 min

Lab File: VW009418.D

Acq: 25 Mar 2019 10:06

Instrument :
MSVOA_L
ClientSampled :

Tot Ion:	96	Resp:	157365
Ion	Ratio	Lower	Upper
96	100		
61	149.1	96.7	179.5
98	60.8	43.8	81.4



#19

1,1-Dichloroethane

Concen: 26.575 ug/L

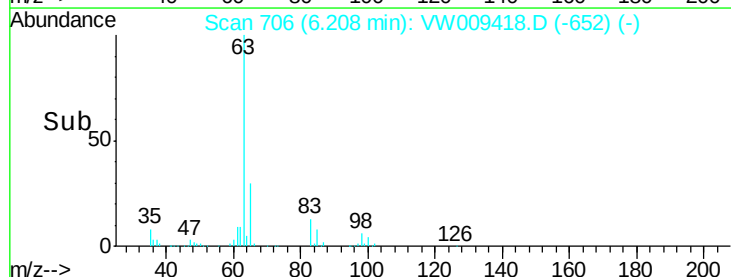
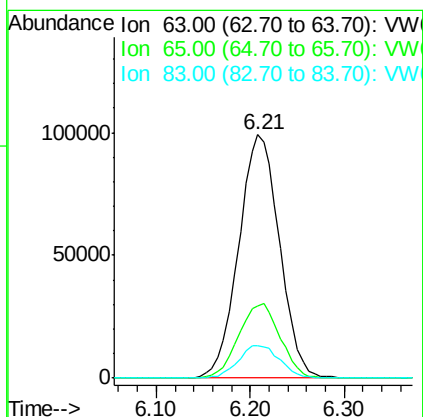
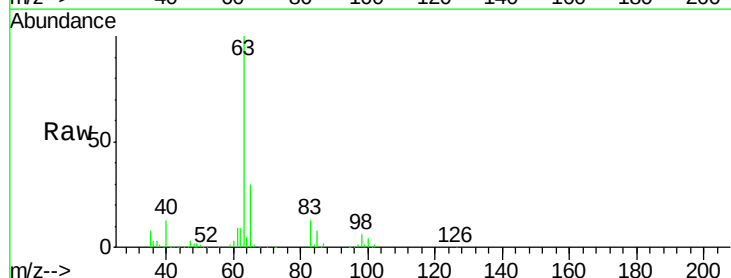
RT: 6.21 min Scan# 706

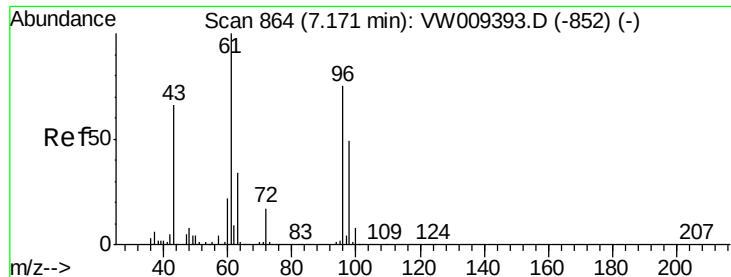
Delta R.T. 0.00 min

Lab File: VW009418.D

Acq: 25 Mar 2019 10:06

Tgt Ion:	63	Resp:	300205
Ion	Ratio	Lower	Upper
63	100		
65	29.6	21.6	40.0
83	13.2	10.1	18.7





#21

2-Butanone

Concen: 47.563 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW009418.D

Acq: 25 Mar 2019 10:06

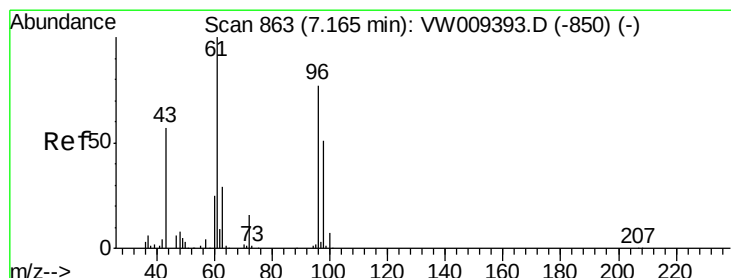
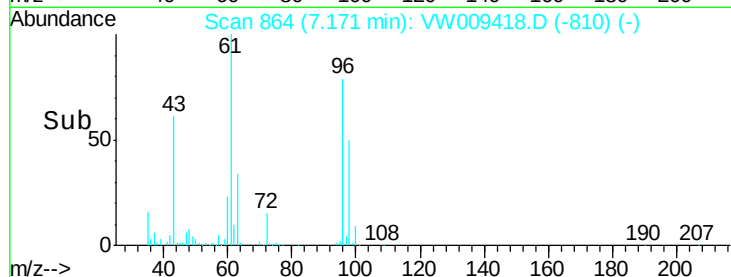
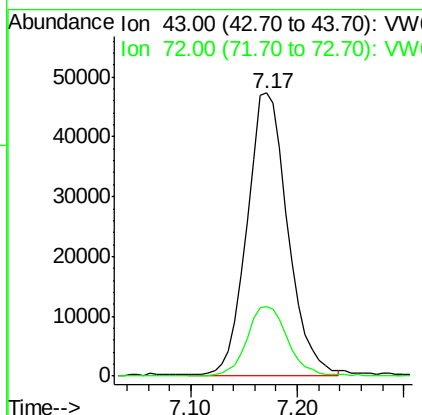
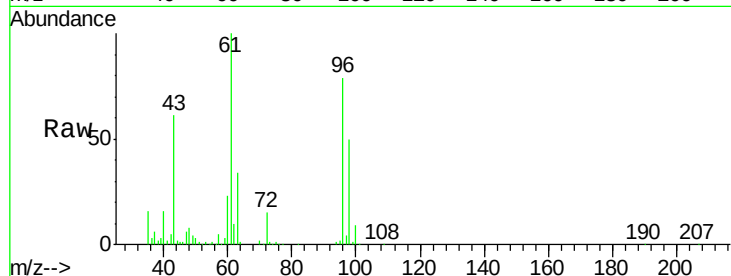
Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 43 Resp: 127363

Ion Ratio Lower Upper

43 100

72 24.5 13.1 39.1



#22

cis-1,2-Dichloroethene

Concen: 25.839 ug/L

RT: 7.16 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW009418.D

Acq: 25 Mar 2019 10:06

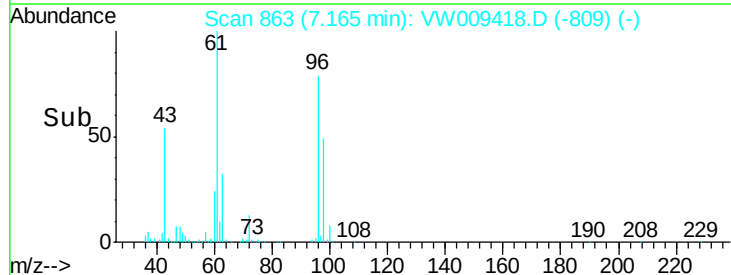
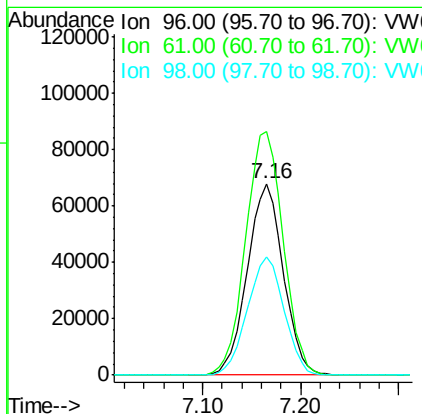
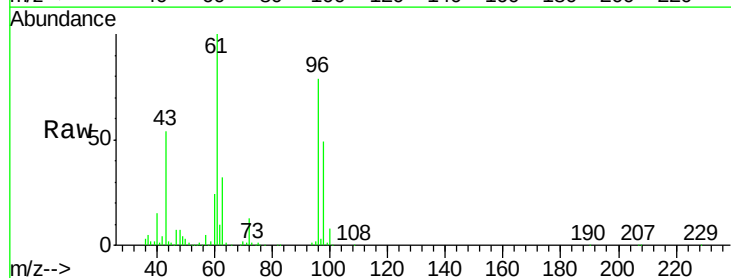
Tgt Ion: 96 Resp: 173416

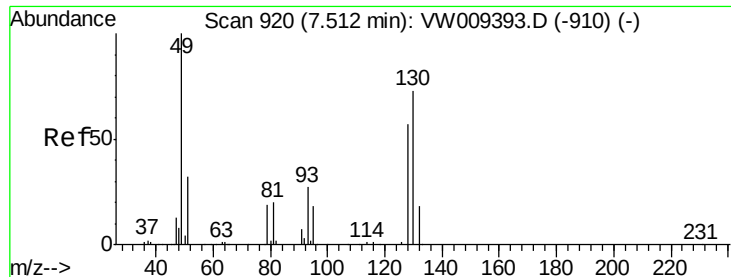
Ion Ratio Lower Upper

96 100

61 127.0 90.6 168.3

98 61.9 44.0 81.8

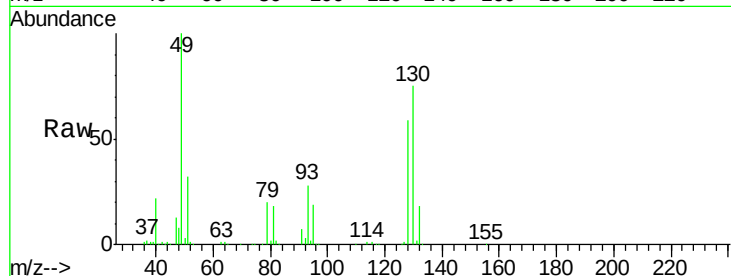




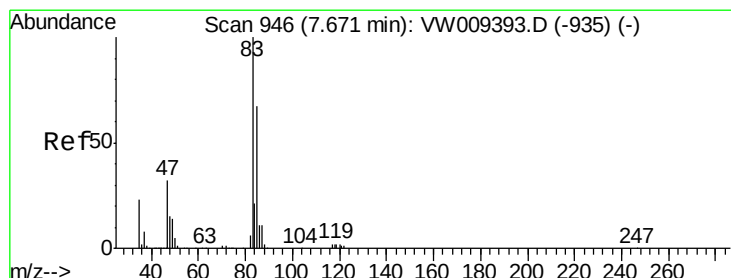
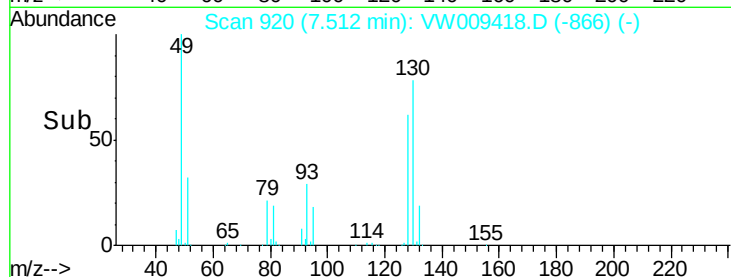
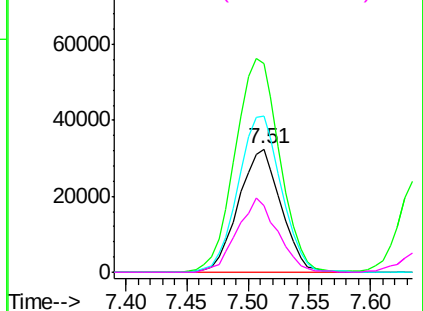
#23
Bromochloromethane
Concen: 24.368 ug/L
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW009418.D
Acq: 25 Mar 2019 10:06

Instrument :
MSVOA_L
ClientSampled :

Tot Ion:128 Resp: 78440
Ion Ratio Lower Upper
128 100
49 169.9 118.4 219.8
130 126.6 87.8 163.2
51 53.7 44.6 67.0

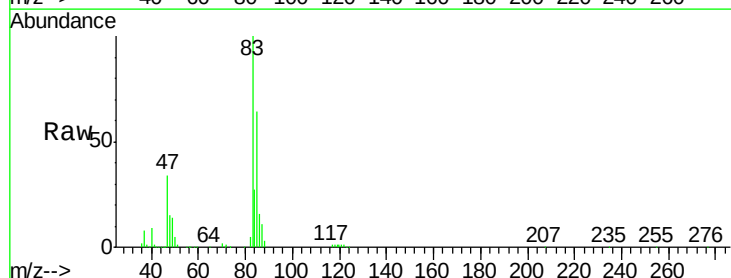


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VV
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VV

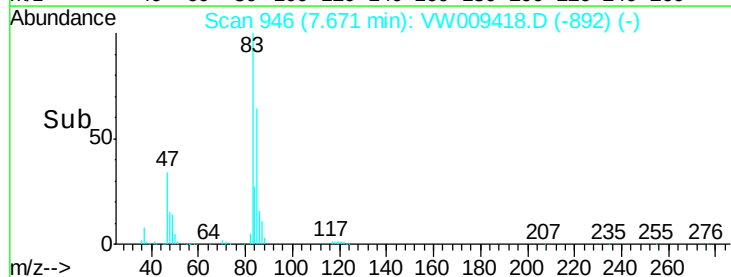
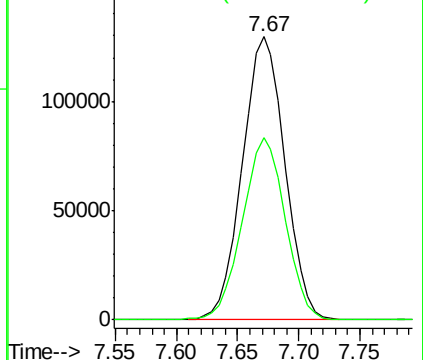


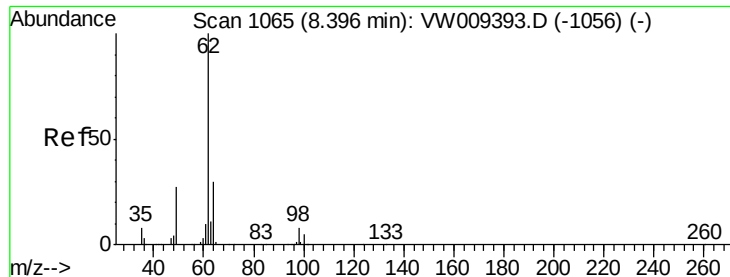
#25
Chloroform
Concen: 26.485 ug/L
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW009418.D
Acq: 25 Mar 2019 10:06

Tgt Ion: 83 Resp: 313324
Ion Ratio Lower Upper
83 100
85 65.0 46.0 85.4



Abundance Ion 83.00 (82.70 to 83.70): VV
Ion 85.00 (84.70 to 85.70): VV

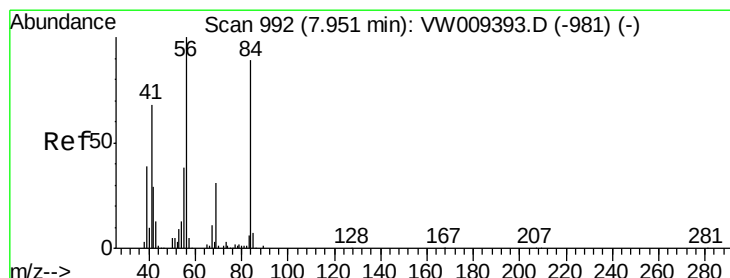
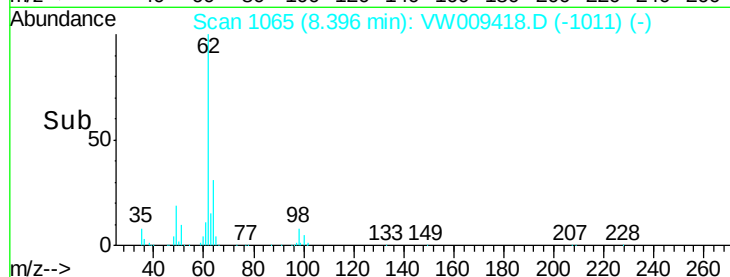
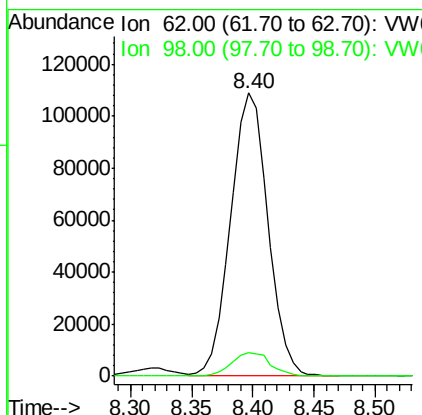
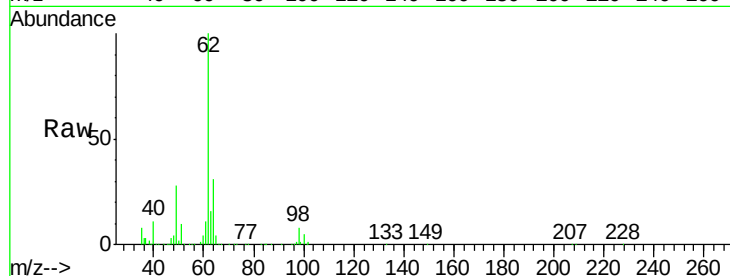




#27
 1,2-Dichloroethane
 Concen: 26.189 ug/L
 RT: 8.40 min Scan# 1065
 Delta R.T. 0.00 min
 Lab File: VW009418.D
 Acq: 25 Mar 2019 10:06

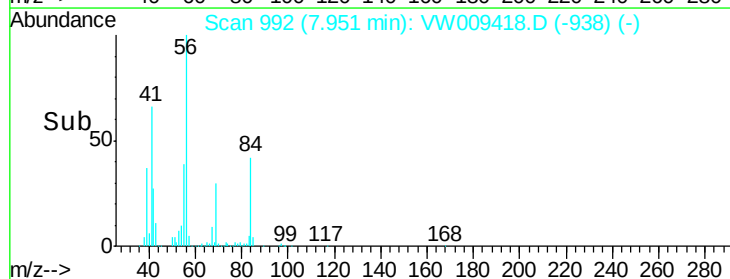
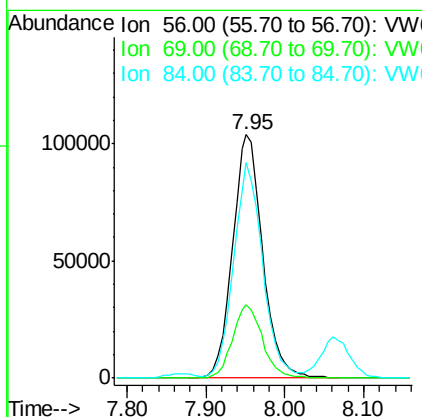
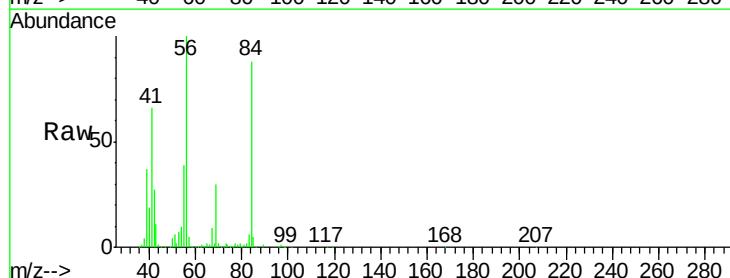
Instrument :
 MSVOA_L
 ClientSampleId :

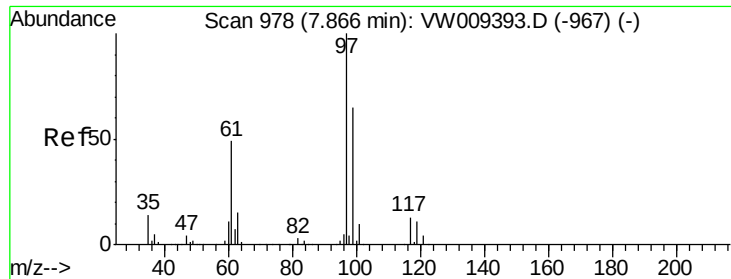
Tot Ion	Ratio	Lower	Upper
62	100		
98	8.4	7.3	10.9



#30
 Cyclohexane
 Concen: 26.912 ug/L
 RT: 7.95 min Scan# 992
 Delta R.T. 0.00 min
 Lab File: VW009418.D
 Acq: 25 Mar 2019 10:06

Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.9	24.0	36.0
84	85.6	69.2	103.8





#31

1,1,1-Trichloroethane

Concen: 28.595 ug/L

RT: 7.87 min Scan# 978

Delta R.T. 0.00 min

Lab File: VW009418.D

Acq: 25 Mar 2019 10:06

Instrument :

MSVOA_L

ClientSampleId :

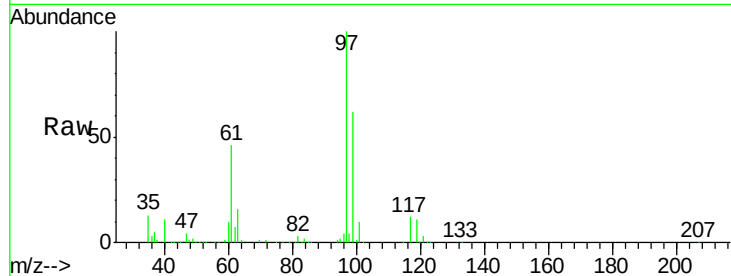
Tot Ion: 97 Resp: 257093

Ion Ratio Lower Upper

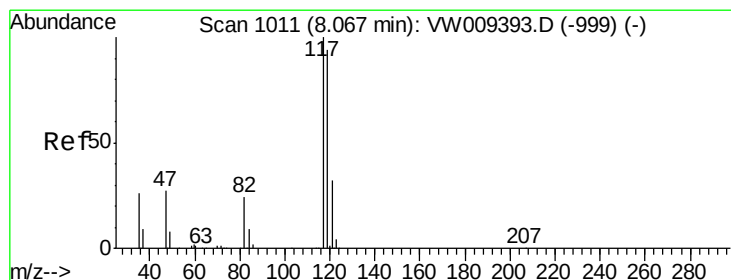
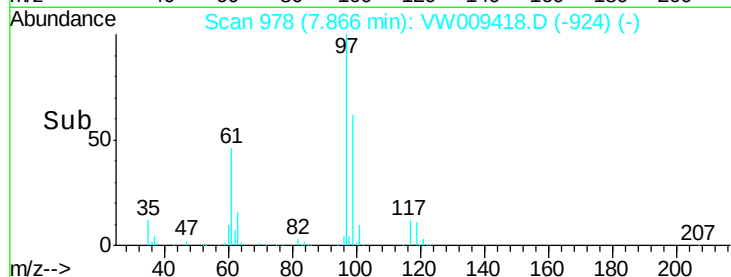
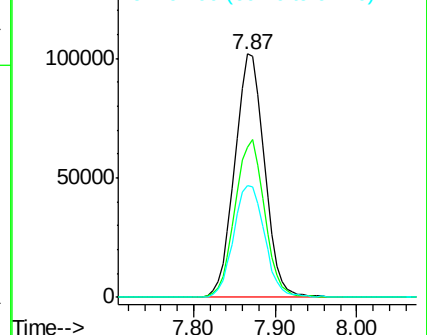
97 100

99 64.1 51.2 76.8

61 47.8 38.4 57.6



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: 28.252 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW009418.D

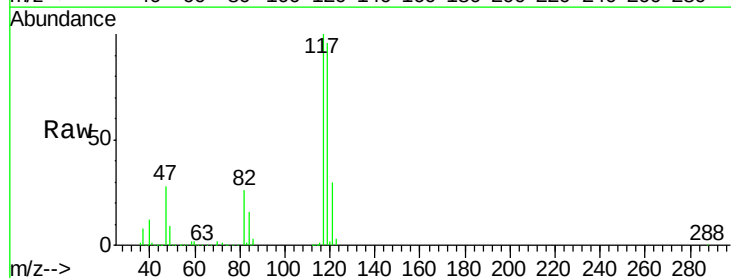
Acq: 25 Mar 2019 10:06

Tgt Ion: 117 Resp: 256278

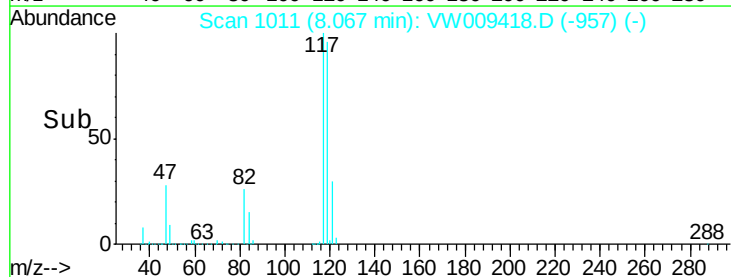
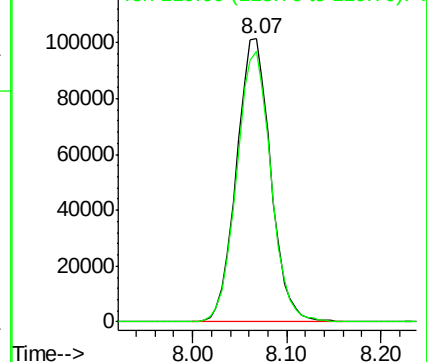
Ion Ratio Lower Upper

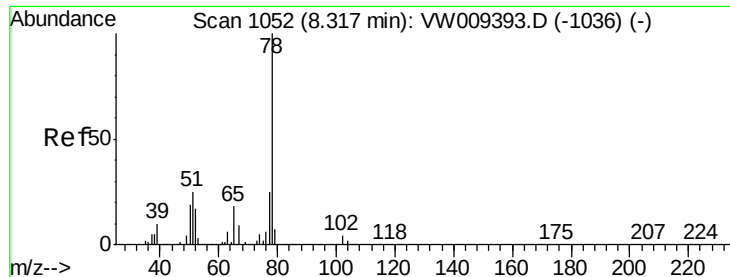
117 100

119 96.2 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: 26.942 ug/L

RT: 8.32 min Scan# 1053

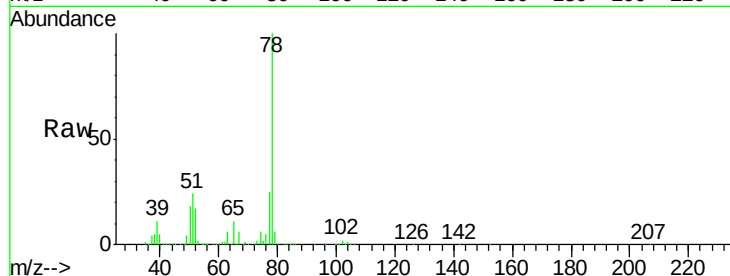
Delta R.T. 0.01 min

Lab File: VW009418.D

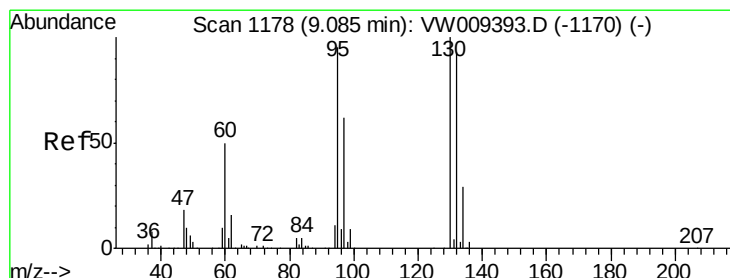
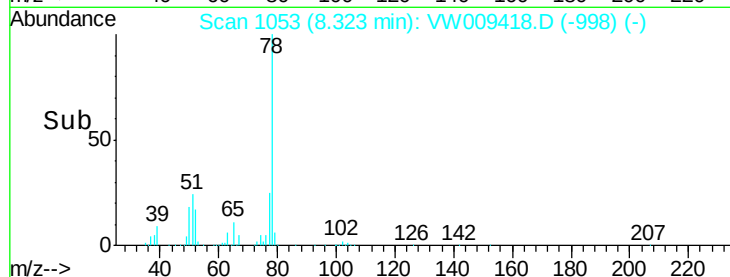
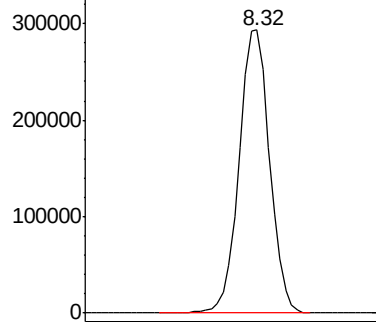
Acq: 25 Mar 2019 10:06

Instrument :
MSVOA_L
ClientSampled :

Tgt Ion: 78 Resp: 663840



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 26.300 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VW009418.D

Acq: 25 Mar 2019 10:06

Tgt Ion: 95 Resp: 172669

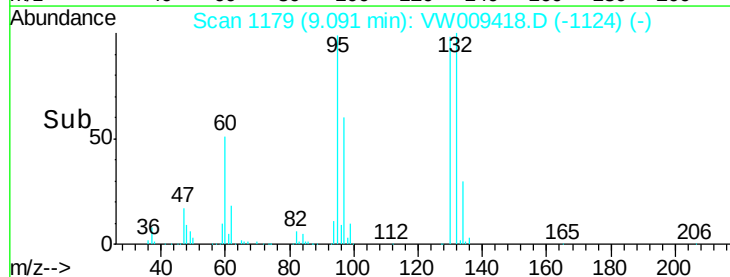
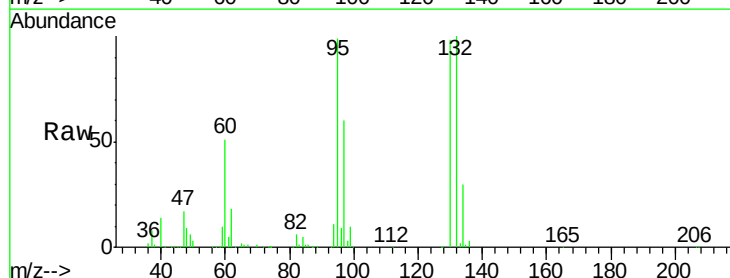
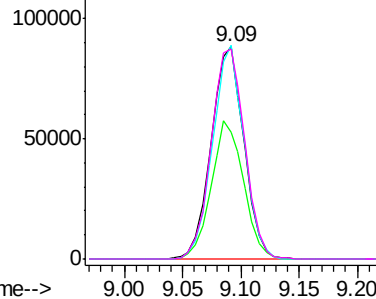
Ion	Ratio	Lower	Upper
95	100		
97	64.2	44.7	82.9
132	96.5	69.0	128.2
130	101.3	72.7	134.9

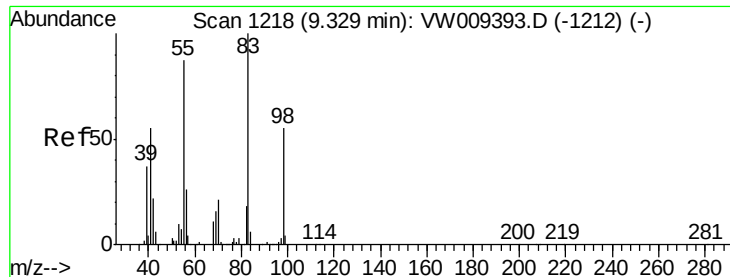
Abundance Ion 95.00 (94.70 to 95.70): VW

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

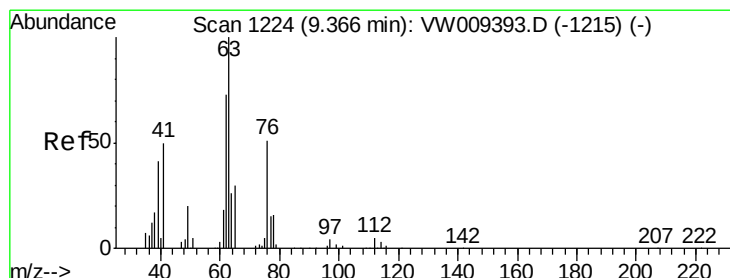
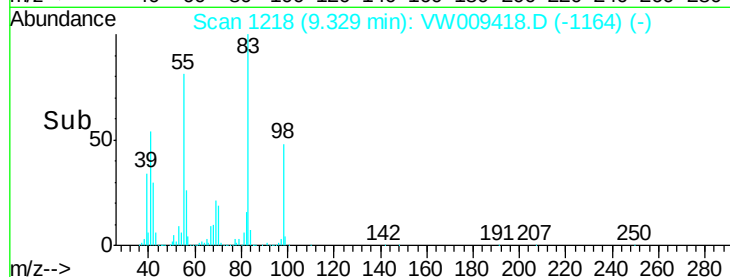
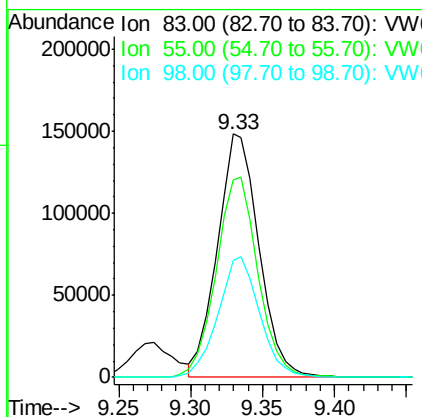
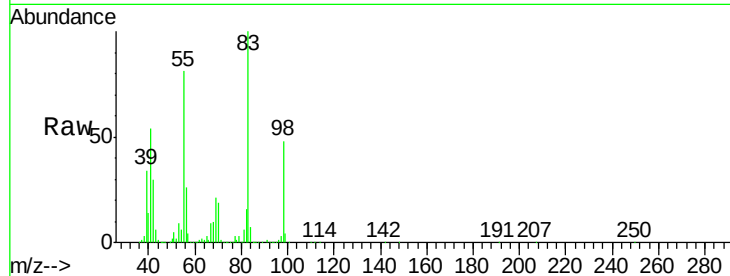




#36
Methylcyclohexane
Concen: 26.272 ug/L
RT: 9.33 min Scan# 1218
Delta R.T. 0.00 min
Lab File: VW009418.D
Acq: 25 Mar 2019 10:06

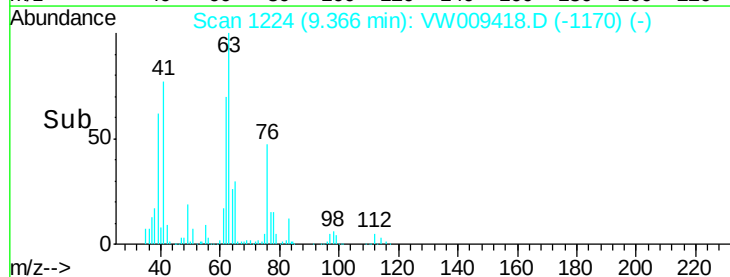
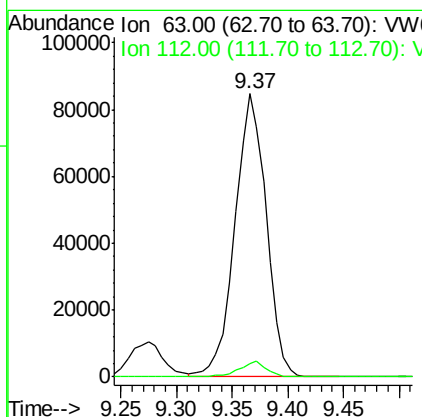
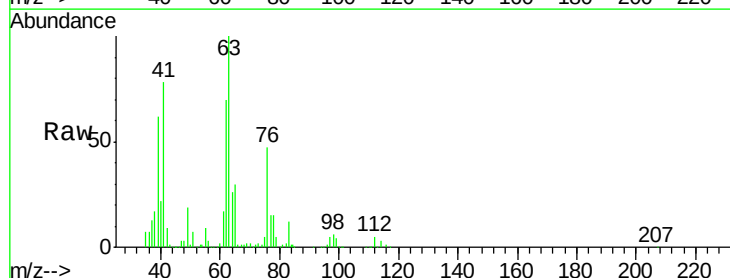
Instrument :
MSVOA_L
ClientSampleId :

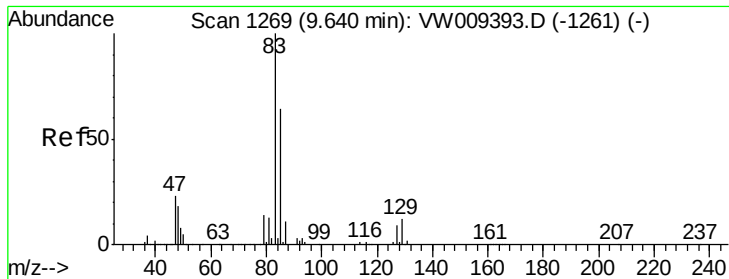
Tot Ion	83	Resp	298419
Ion	Ratio	Lower	Upper
83	100		
55	82.7	63.5	95.3
98	49.7	39.8	59.8



#40
1,2-Dichloropropane
Concen: 26.094 ug/L
RT: 9.37 min Scan# 1224
Delta R.T. 0.00 min
Lab File: VW009418.D
Acq: 25 Mar 2019 10:06

Tgt Ion	63	Resp	164986
Ion	Ratio	Lower	Upper
63	100		
112	4.7	4.0	6.0





#41

Bromodichloromethane

Concen: 26.433 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW009418.D

Acq: 25 Mar 2019 10:06

Instrument :

MSVOA_L

ClientSampleId :

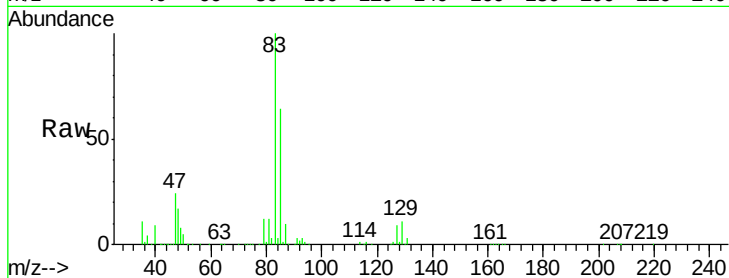
Tot Ion: 83 Resp: 231569

Ion Ratio Lower Upper

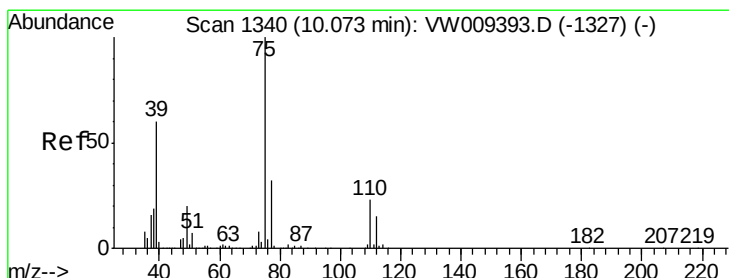
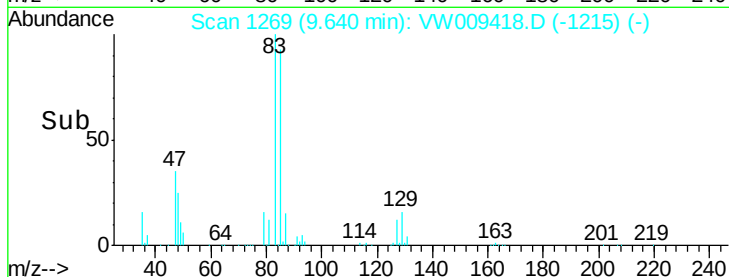
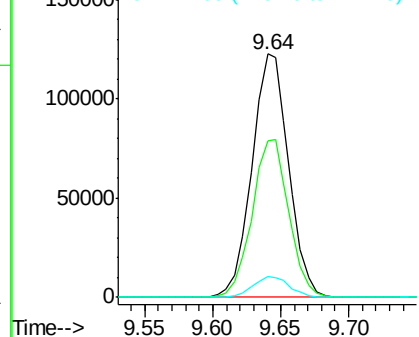
83 100

85 64.5 43.5 80.7

127 8.6 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: 26.227 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW009418.D

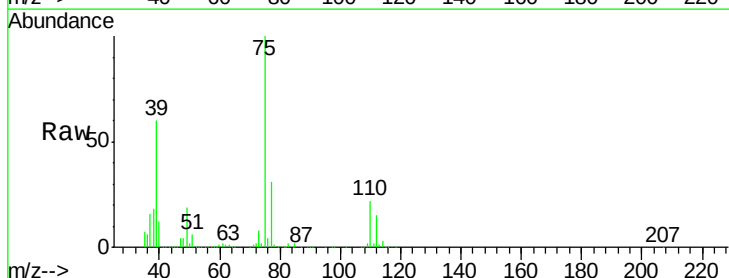
Acq: 25 Mar 2019 10:06

Tgt Ion: 75 Resp: 270087

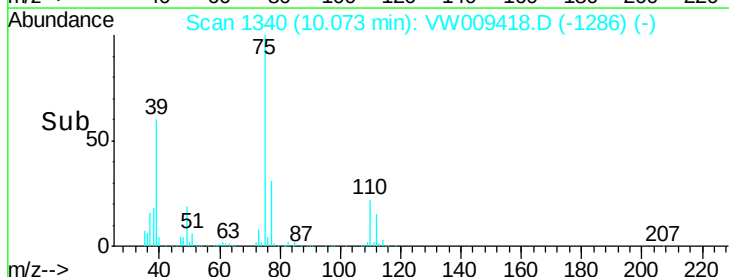
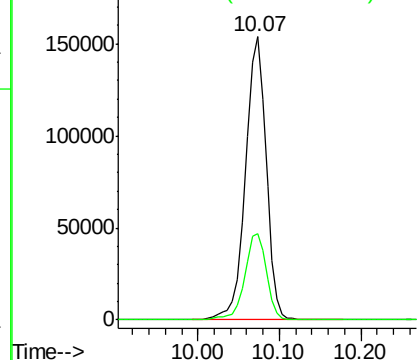
Ion Ratio Lower Upper

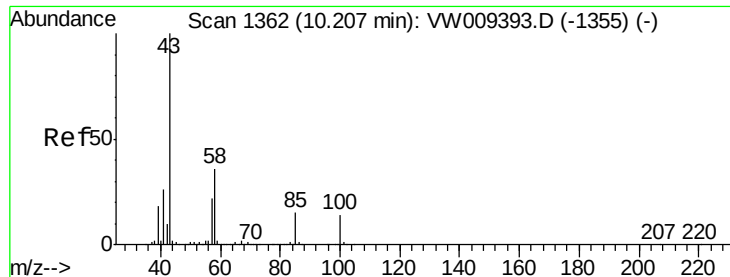
75 100

77 30.6 21.6 40.2



Abundance Ion 75.00 (74.70 to 75.70): VW
Ion 77.00 (76.70 to 77.70): VW

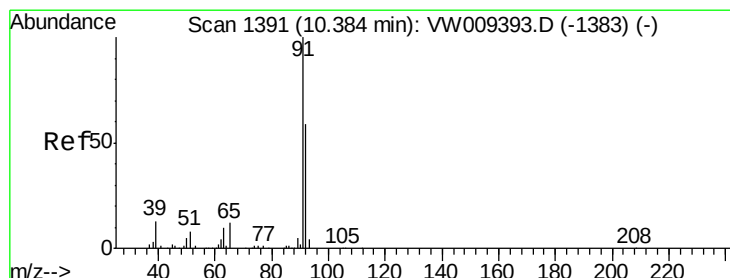
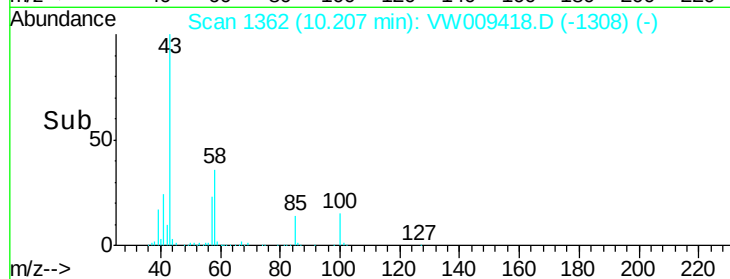
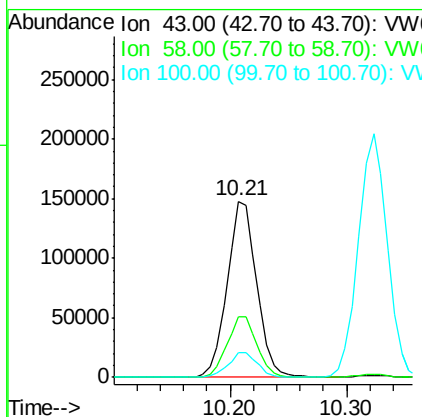
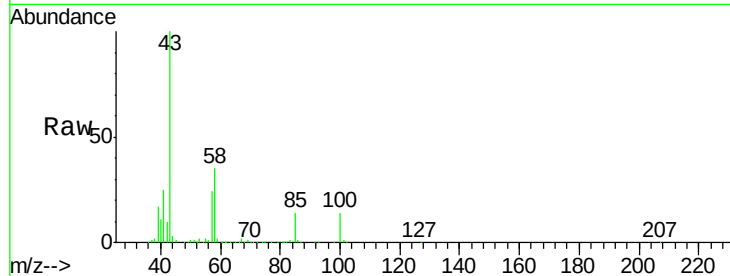




#43
4-Methyl-2-pentanone
Concen: 45.457 ug/L
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW009418.D
Acq: 25 Mar 2019 10:06

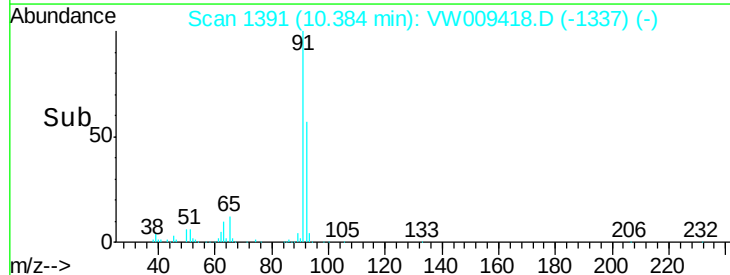
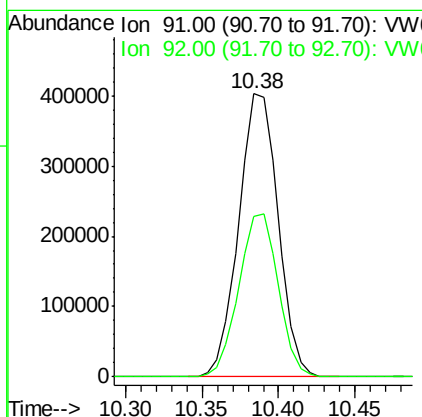
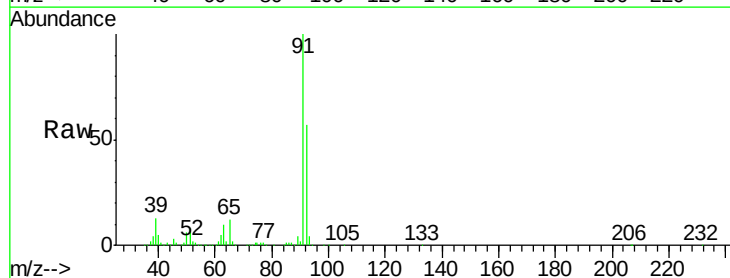
Instrument :
MSVOA_L
ClientSampleId :

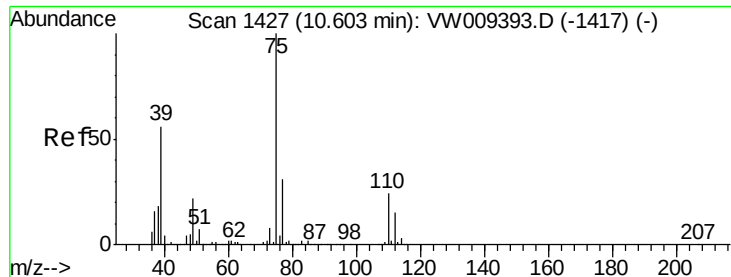
Tot Ion: 43 Resp: 260438
Ion Ratio Lower Upper
43 100
58 35.1 28.2 42.2
100 14.1 11.4 17.2



#44
Toluene
Concen: 26.859 ug/L
RT: 10.38 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VW009418.D
Acq: 25 Mar 2019 10:06

Tgt Ion: 91 Resp: 723588
Ion Ratio Lower Upper
91 100
92 56.8 39.8 73.8





#45

trans-1,3-Dichloropropene

Concen: 26.331 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW009418.D

Acq: 25 Mar 2019 10:06

Instrument :

MSVOA_L

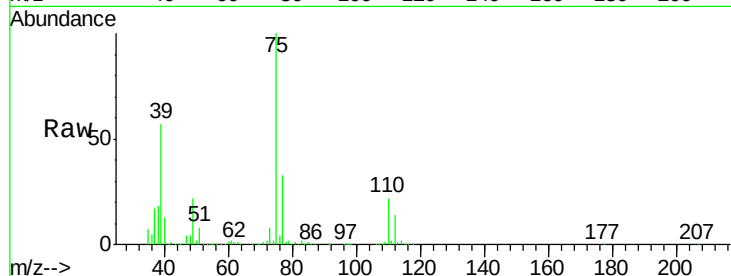
ClientSampleId :

Tot Ion: 75 Resp: 235881

Ion Ratio Lower Upper

75 100

77 32.7 22.5 41.7



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.60

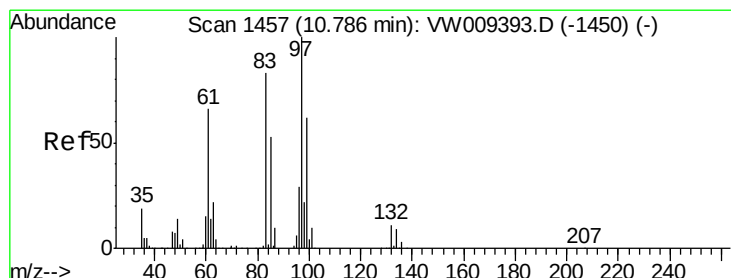
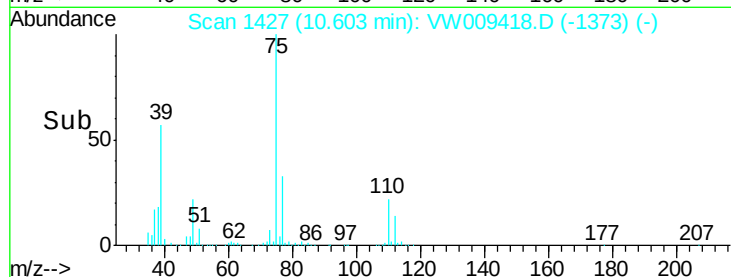
150000

100000

50000

0

Time-->



#46

1,1,2-Trichloroethane

Concen: 25.015 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW009418.D

Acq: 25 Mar 2019 10:06

Tgt Ion: 97 Resp: 126178

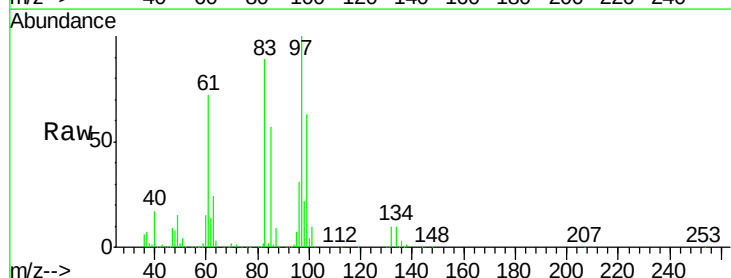
Ion Ratio Lower Upper

97 100

83 89.0 60.7 112.7

85 56.7 40.1 74.5

99 63.1 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

10.79

100000

80000

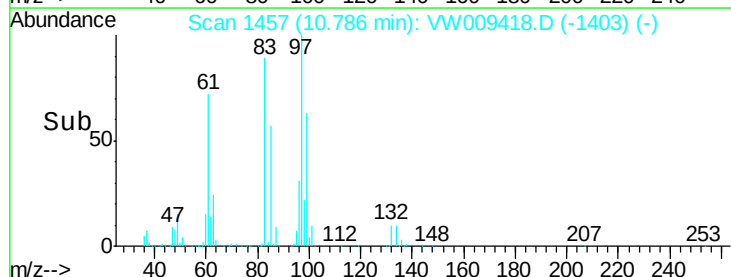
60000

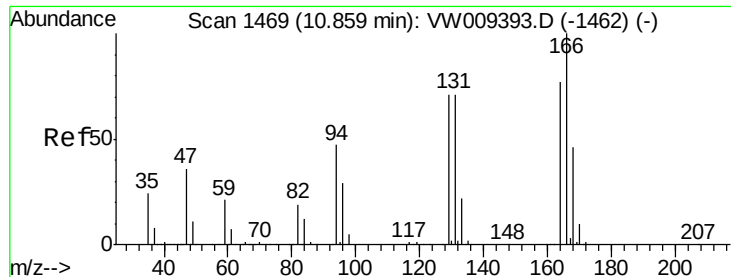
40000

20000

0

Time-->

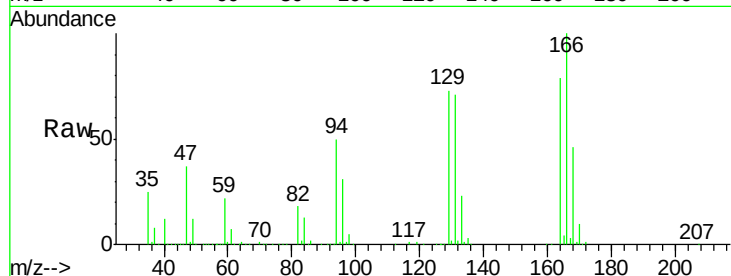




#47
Tetrachloroethene
Concen: 25.782 ug/L
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW009418.D
Acq: 25 Mar 2019 10:06

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
129	92.1	66.5	123.5
131	89.4	62.6	116.3
166	126.7	91.6	170.0



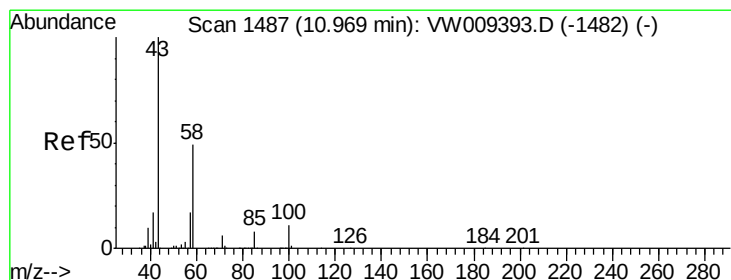
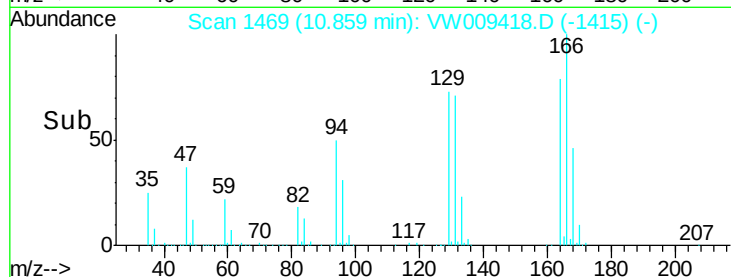
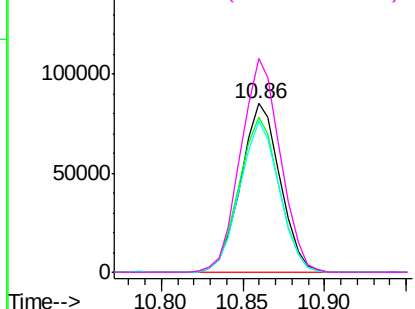
Abundance

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: 49.210 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW009418.D
Acq: 25 Mar 2019 10:06

Tgt Ion	Ratio	Lower	Upper
43	100		
58	48.1	39.2	58.8
57	17.4	14.2	21.2
100	11.2	8.9	13.3

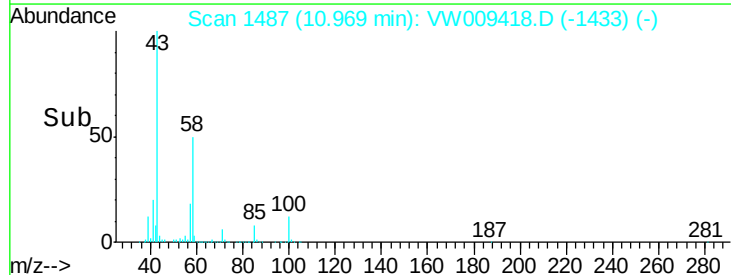
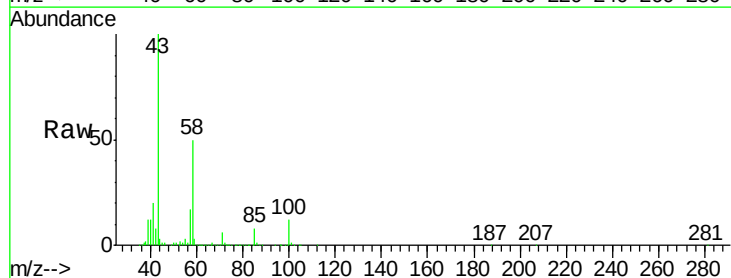
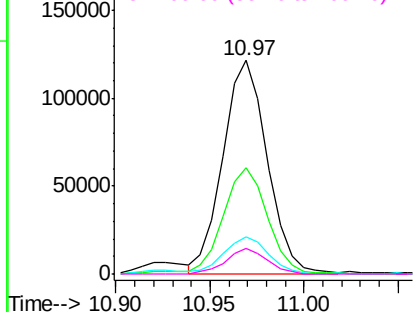
Abundance

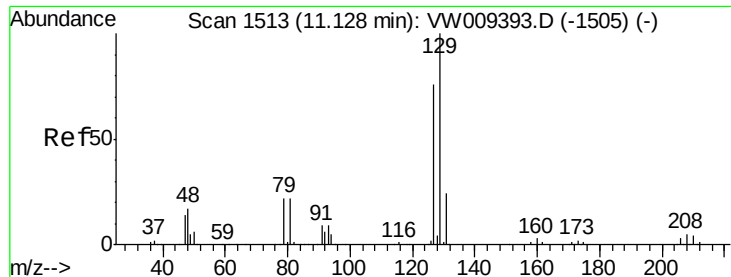
Ion 43.00 (42.70 to 43.70): VV

Ion 58.00 (57.70 to 58.70): VV

Ion 57.00 (56.70 to 57.70): VV

Ion 100.00 (99.70 to 100.70): VV





#50

Dibromochloromethane

Concen: 25.670 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW009418.D

Acq: 25 Mar 2019 10:06

Instrument :

MSVOA_L

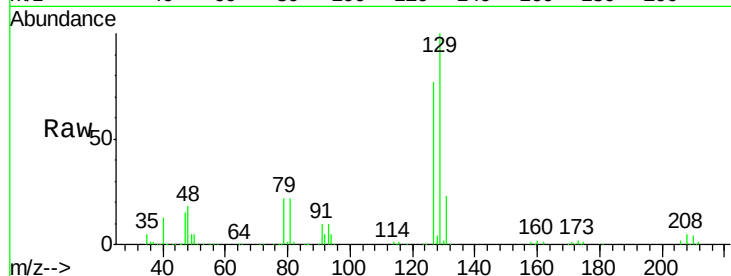
ClientSampleId :

Tot Ion:129 Resp: 159844

Ion Ratio Lower Upper

129 100

127 77.1 56.8 105.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

11.13

100000

80000

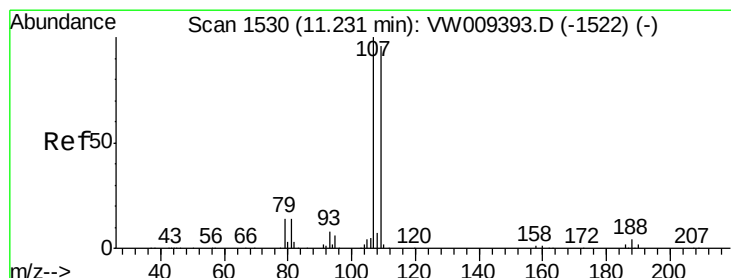
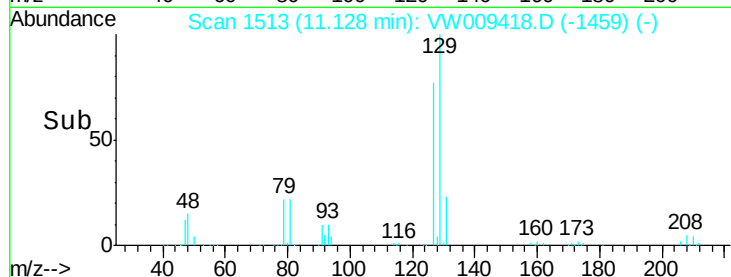
60000

40000

20000

0

Time--> 11.05 11.10 11.15 11.20



#51

1,2-Dibromoethane

Concen: 24.742 ug/L

RT: 11.24 min Scan# 1531

Delta R.T. 0.01 min

Lab File: VW009418.D

Acq: 25 Mar 2019 10:06

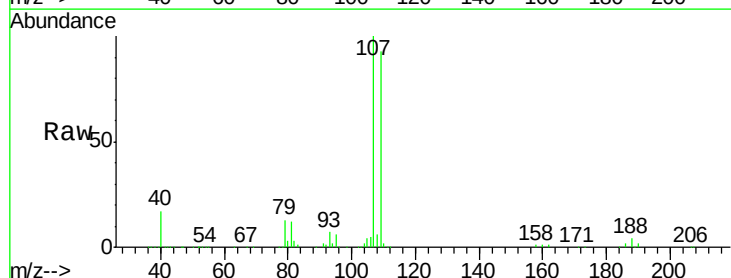
Tgt Ion:107 Resp: 126522

Ion Ratio Lower Upper

107 100

109 92.8 68.0 126.4

188 3.9 3.5 5.3



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V

11.24

100000

80000

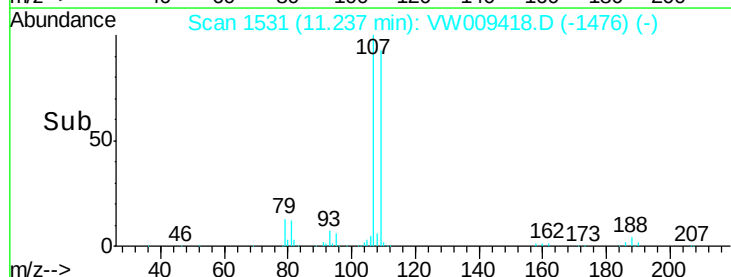
60000

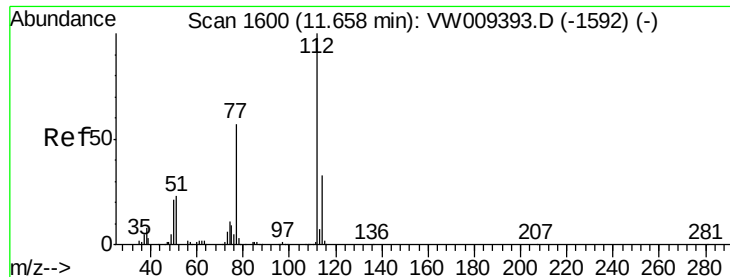
40000

20000

0

Time--> 11.15 11.20 11.25 11.30





#52

Chlorobenzene

Concen: 26.522 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW009418.D

Acq: 25 Mar 2019 10:06

Instrument :

MSVOA_L

ClientSampleId :

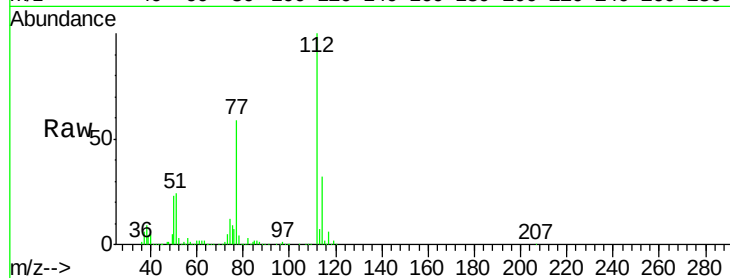
Tot Ion:112 Resp: 458268

Ion Ratio Lower Upper

112 100

77 59.4 45.7 68.5

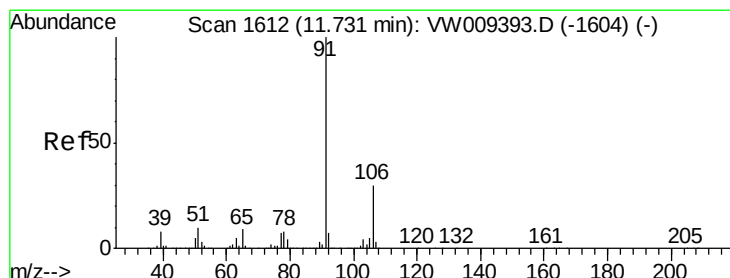
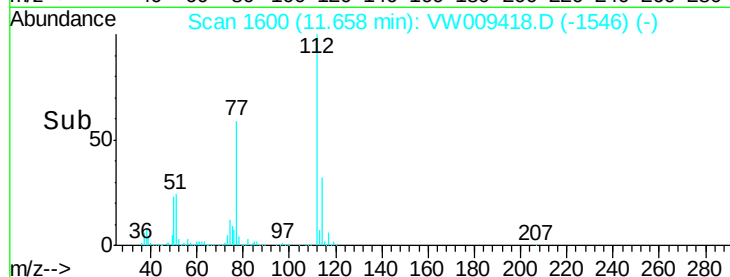
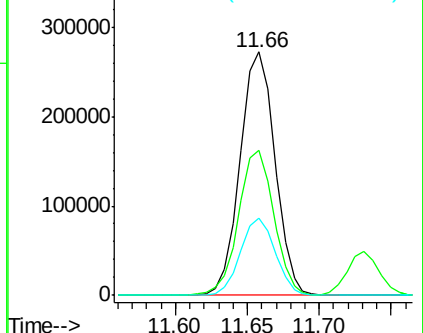
114 31.9 22.8 42.4



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VW

Ion 114.00 (113.70 to 114.70): V



#53

Ethylbenzene

Concen: 27.348 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW009418.D

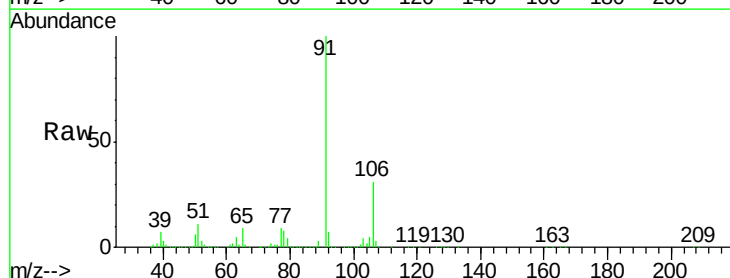
Acq: 25 Mar 2019 10:06

Tgt Ion: 91 Resp: 828309

Ion Ratio Lower Upper

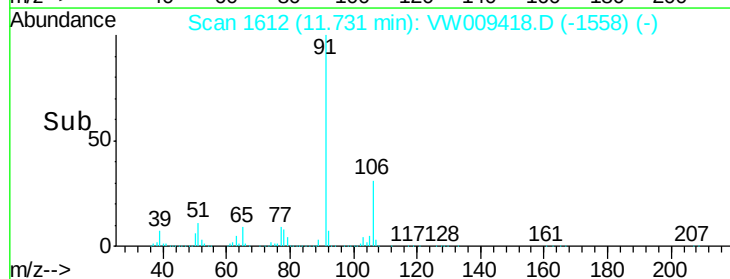
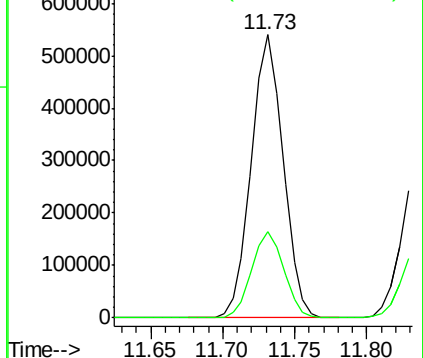
91 100

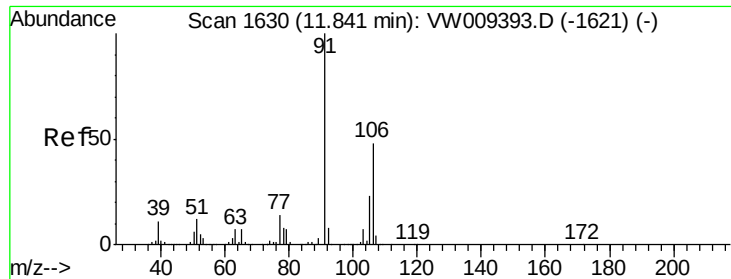
106 30.7 21.0 39.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V





#54

m,p-Xylene

Concen: 26.990 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW009418.D

Acq: 25 Mar 2019 10:06

Instrument :

MSVOA_L

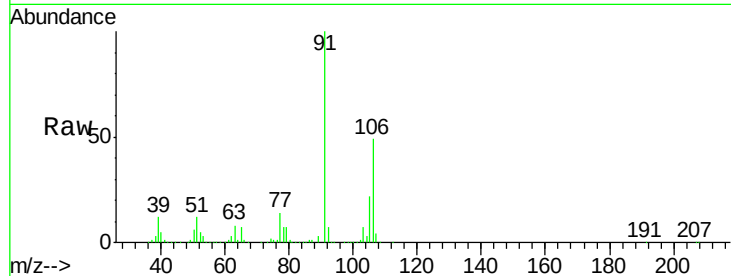
ClientSampleId :

Tot Ion:106 Resp: 310567

Ion Ratio Lower Upper

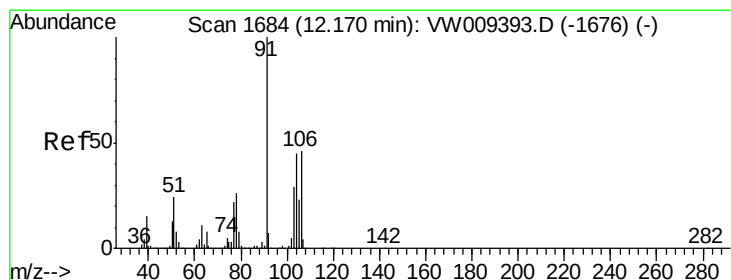
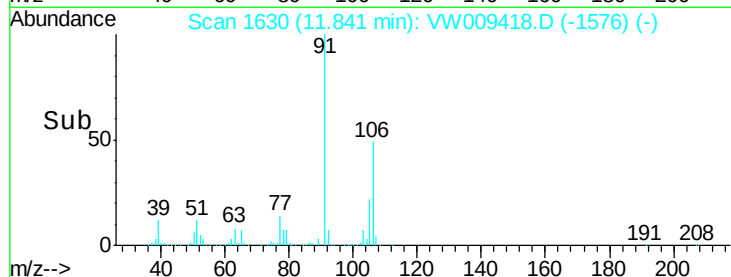
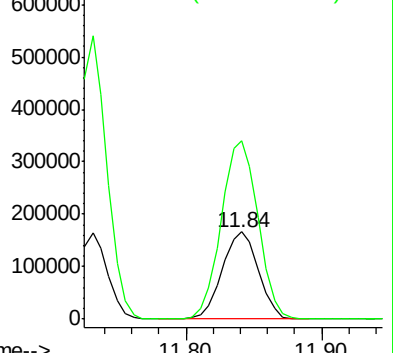
106 100

91 205.6 138.4 257.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 26.548 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.01 min

Lab File: VW009418.D

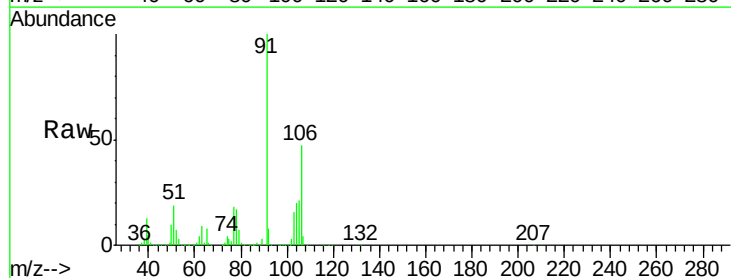
Acq: 25 Mar 2019 10:06

Tgt Ion:106 Resp: 298023

Ion Ratio Lower Upper

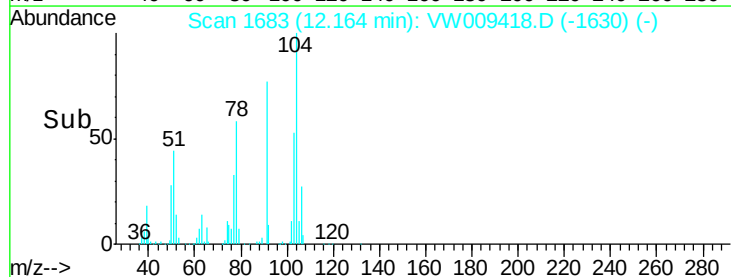
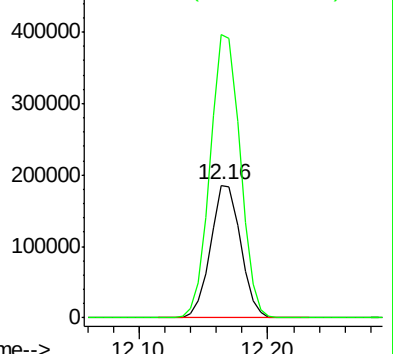
106 100

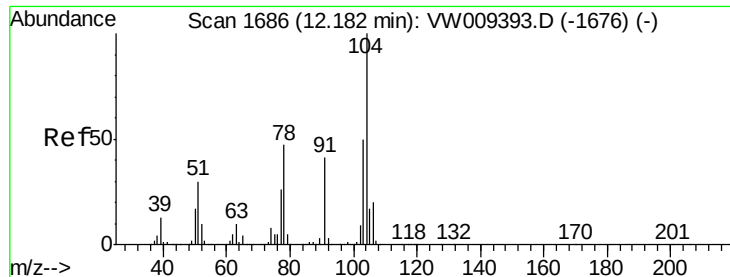
91 213.8 153.2 284.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#56

Stvrene

Concen: 27.205 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW009418.D

Acq: 25 Mar 2019 10:06

Instrument :

MSVOA_L

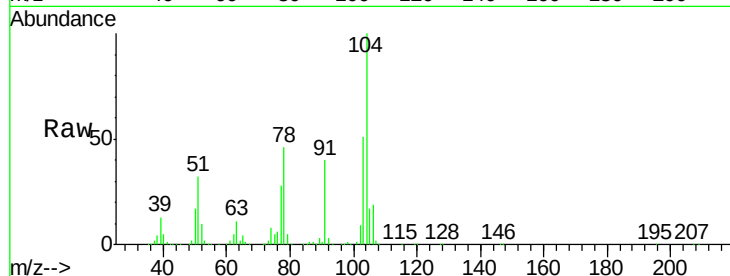
ClientSampled :

Tot Ion:104 Resp: 521077

Ion Ratio Lower Upper

104 100

78 45.7 30.9 57.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

12.18

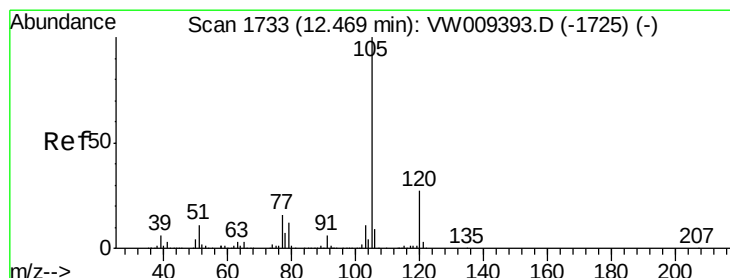
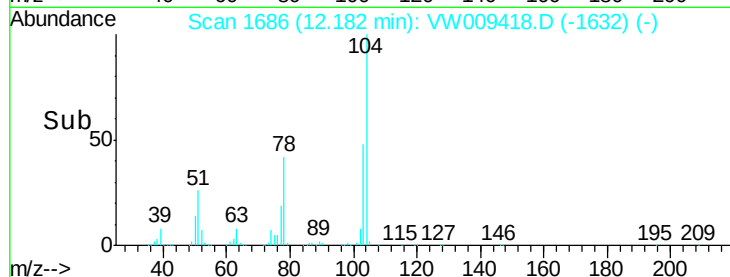
300000

200000

100000

0

Time-->



#57

Isopropylbenzene

Concen: 27.742 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW009418.D

Acq: 25 Mar 2019 10:06

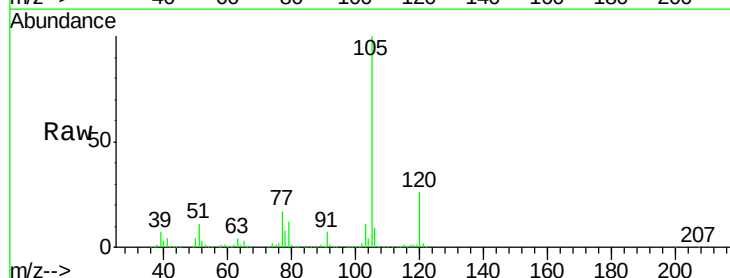
Tgt Ion:105 Resp: 834232

Ion Ratio Lower Upper

105 100

120 26.2 21.3 31.9

77 16.9 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): VW

12.46

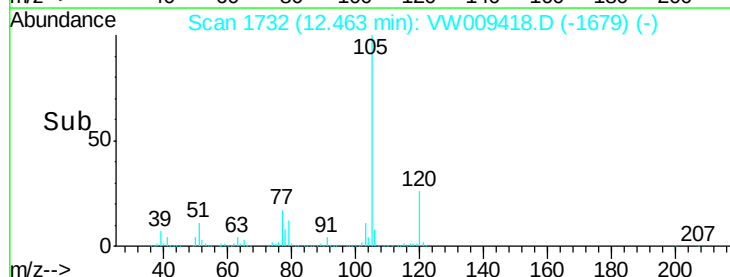
600000

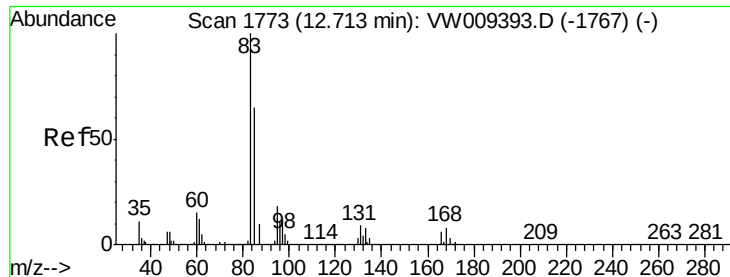
400000

200000

0

Time-->





#58

1,1,2,2-Tetrachloroethane

Concen: 25.174 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW009418.D

Acq: 25 Mar 2019 10:06

Instrument :

MSVOA_L

ClientSampleId :

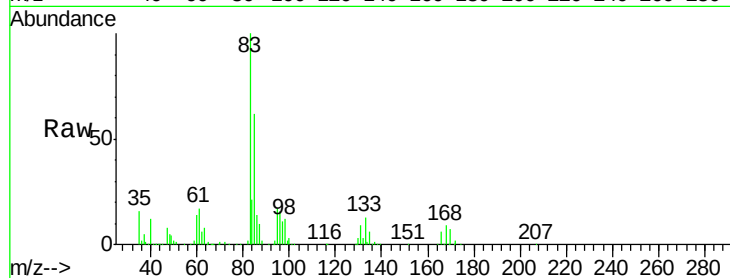
Tot Ion: 83 Resp: 171304

Ion Ratio Lower Upper

83 100

85 61.6 45.6 84.8

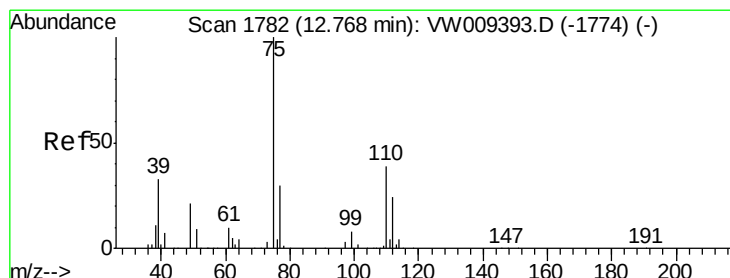
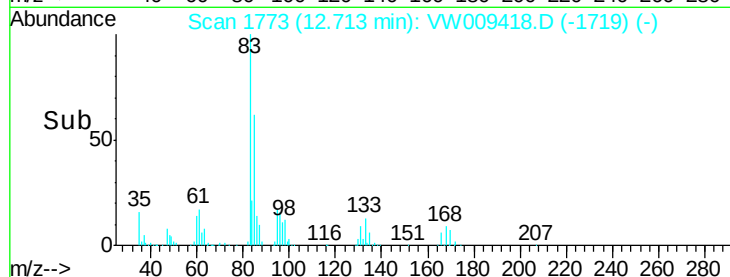
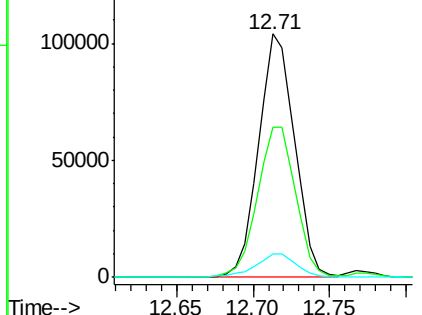
131 9.4 9.2 13.8



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V



#59

1,2,3-Trichloropropane

Concen: 24.992 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW009418.D

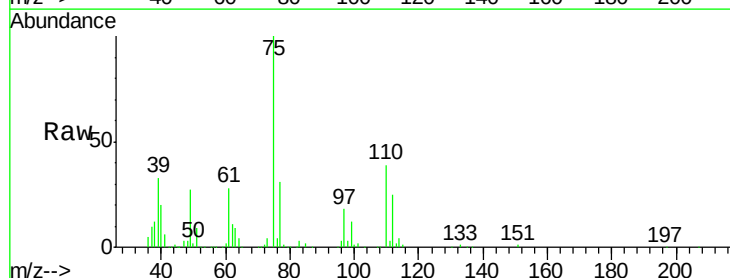
Acq: 25 Mar 2019 10:06

Tgt Ion: 75 Resp: 126214

Ion Ratio Lower Upper

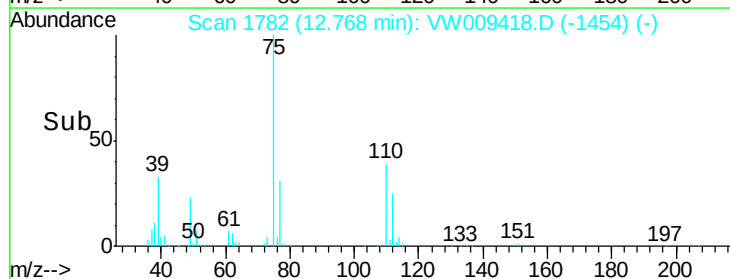
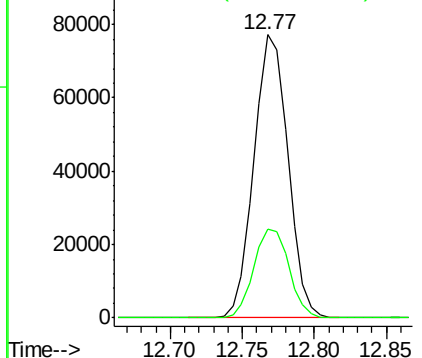
75 100

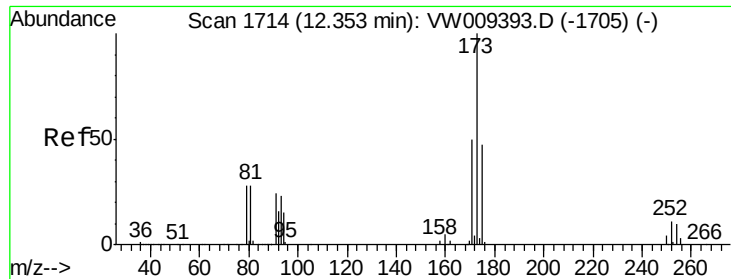
77 32.5 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#62

Bromoform

Concen: 24.625 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW009418.D

Acq: 25 Mar 2019 10:06

Instrument :

MSVOA_L

ClientSampleId :

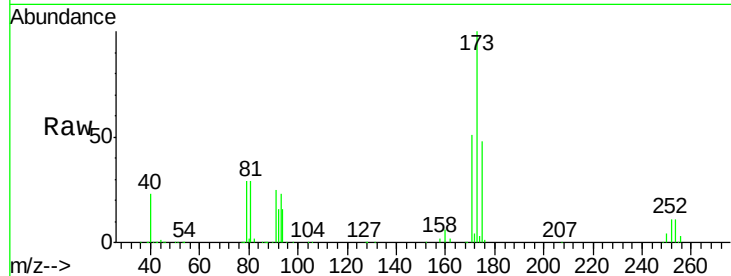
Tot Ion:173 Resp: 98161

Ion Ratio Lower Upper

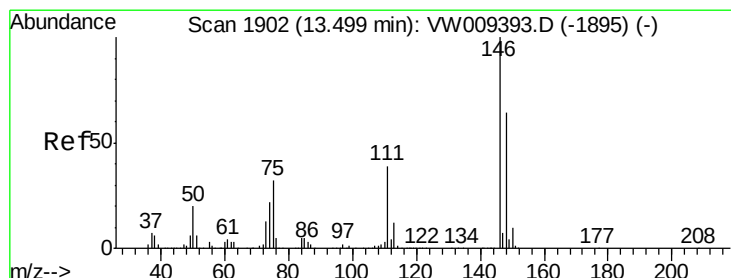
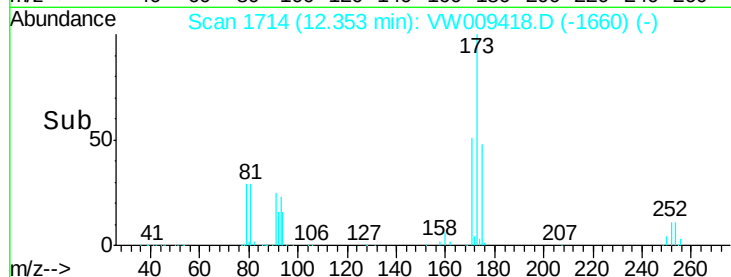
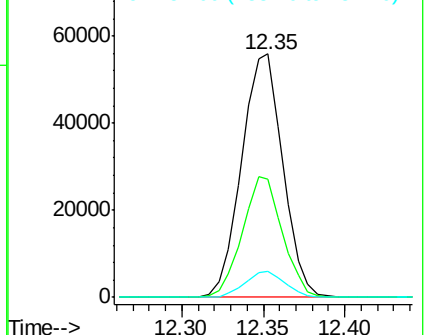
173 100

175 48.2 39.7 59.5

254 10.3 8.5 12.7



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#63

1,3-Dichlorobenzene

Concen: 25.510 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW009418.D

Acq: 25 Mar 2019 10:06

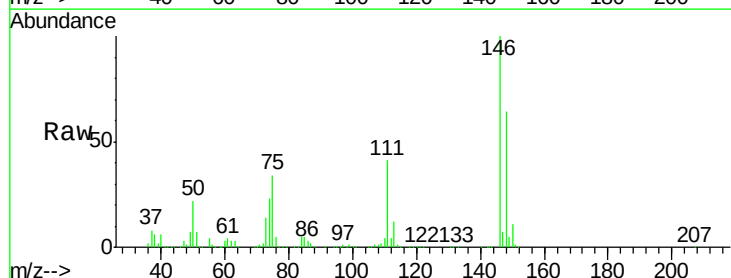
Tgt Ion:146 Resp: 358680

Ion Ratio Lower Upper

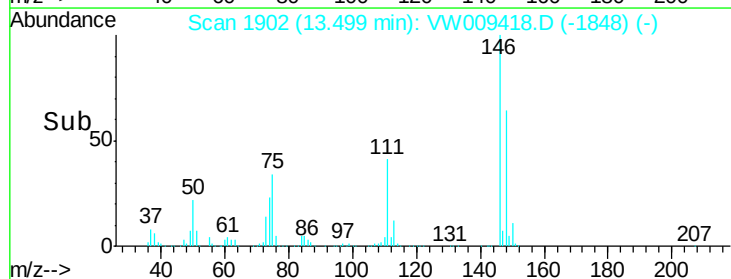
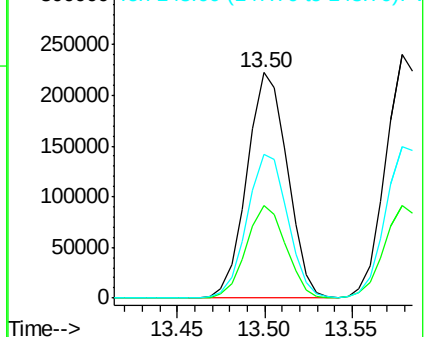
146 100

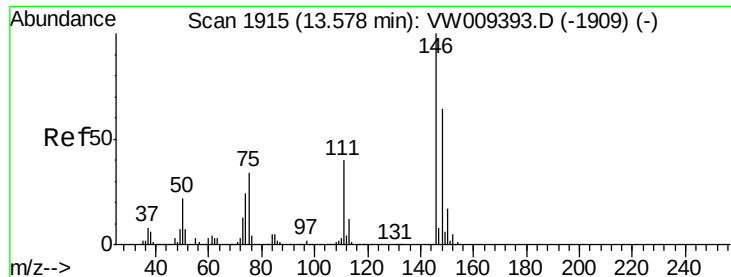
111 40.9 26.9 49.9

148 63.9 45.1 83.7



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

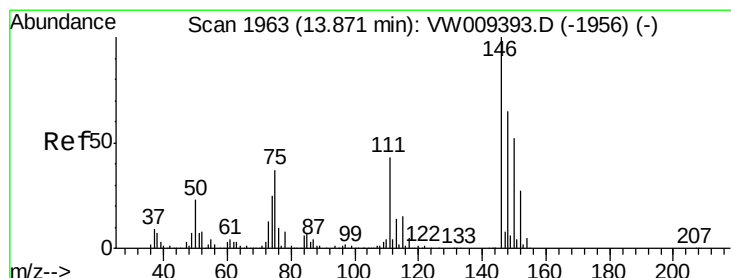
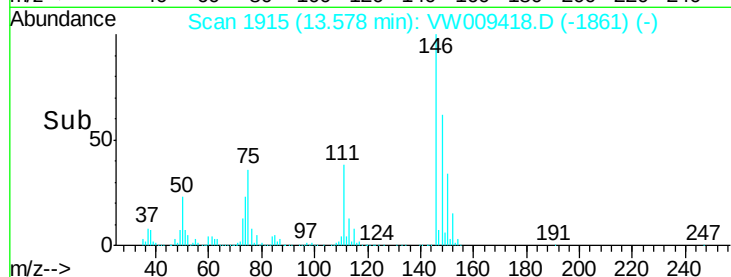
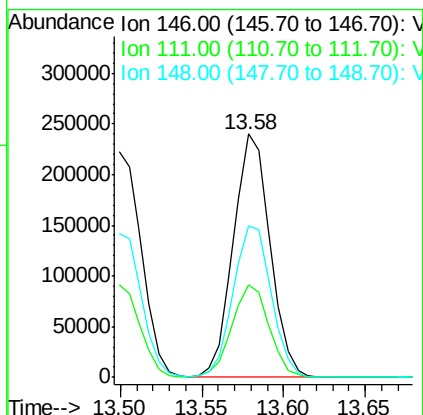
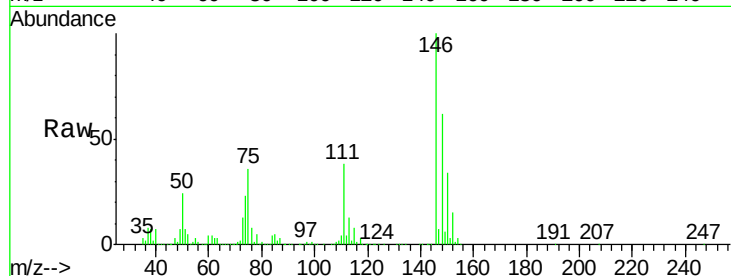




#64
 1,4-Dichlorobenzene
 Concen: 25.981 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW009418.D
 Acq: 25 Mar 2019 10:06

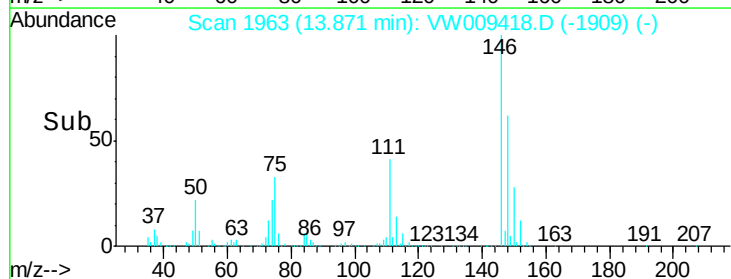
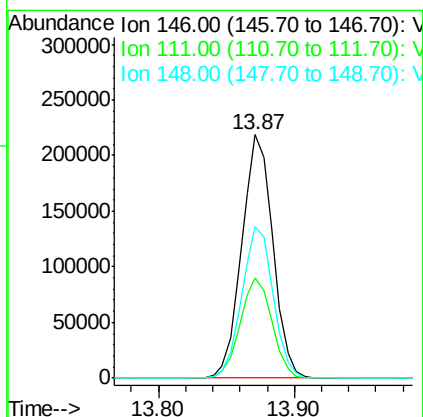
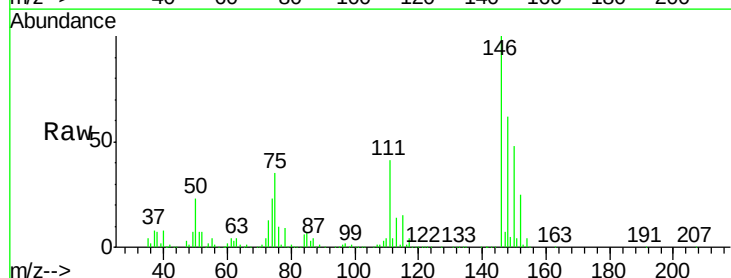
Instrument :
 MSVOA_L
 ClientSampled :

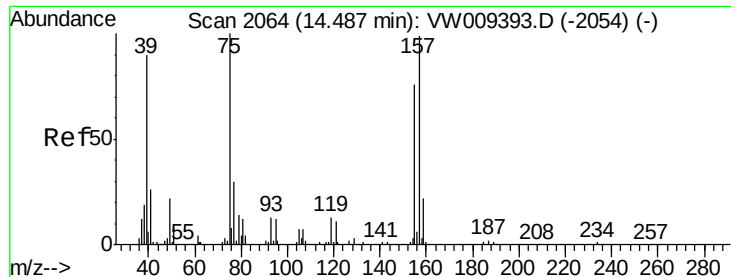
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	27.8	51.6
148	62.1	46.3	86.1



#65
 1,2-Dichlorobenzene
 Concen: 26.045 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW009418.D
 Acq: 25 Mar 2019 10:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	33.5	50.3
148	62.3	50.2	75.2





#66

1,2-Dibromo-3-chloropropane

Concen: 23.979 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW009418.D

Acq: 25 Mar 2019 10:06

Instrument :

MSVOA_L

ClientSampleId :

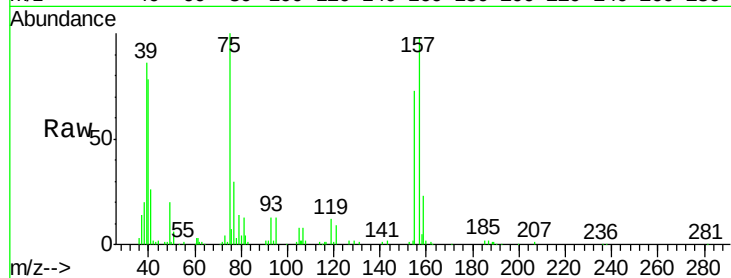
Tot Ion: 75 Resp: 31512

Ion Ratio Lower Upper

75 100

157 97.5 89.0 133.4

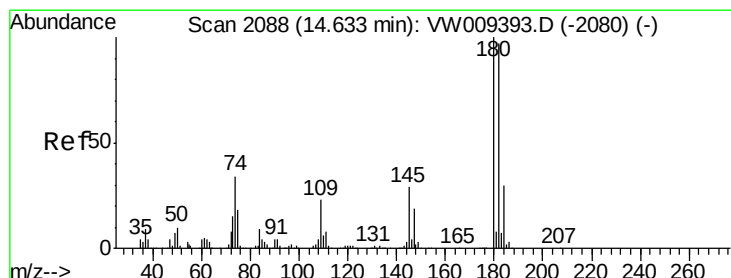
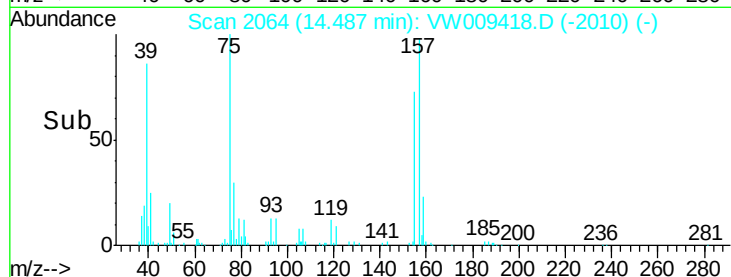
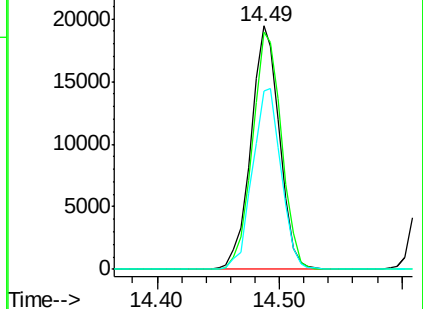
155 73.1 64.2 96.2



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: 25.932 ug/L

RT: 14.63 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VW009418.D

Acq: 25 Mar 2019 10:06

Tgt Ion: 180 Resp: 284400

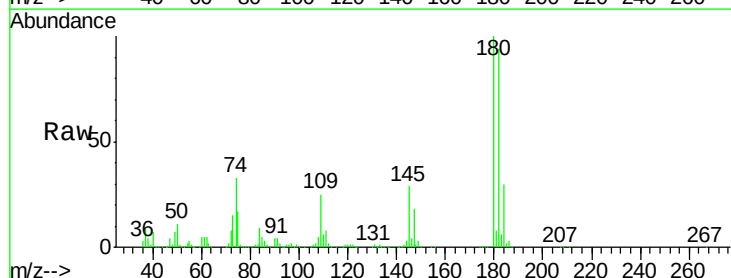
Ion Ratio Lower Upper

180 100

182 94.1 76.1 114.1

184 30.2 23.8 35.6

145 29.4 23.4 35.2

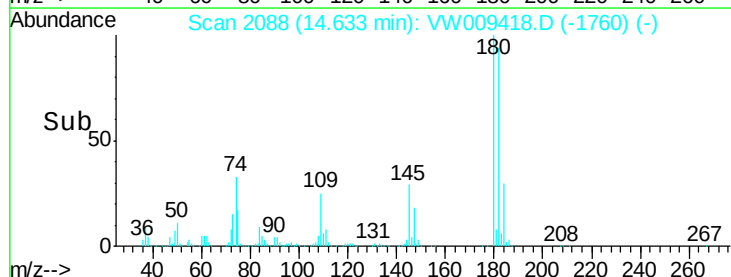
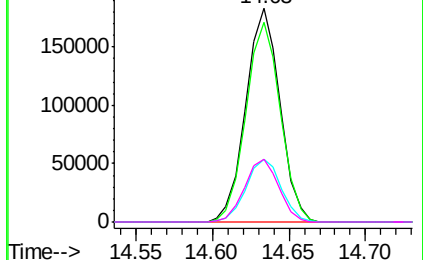


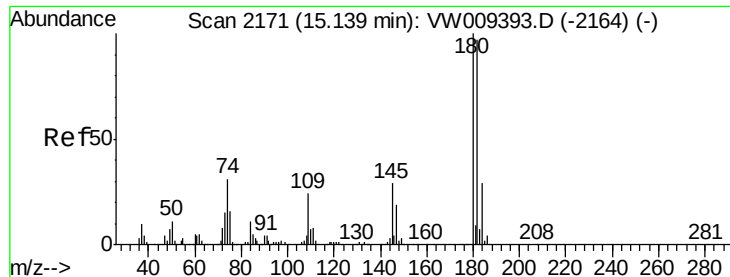
Abundance Ion 180.00 (179.70 to 180.70): V

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

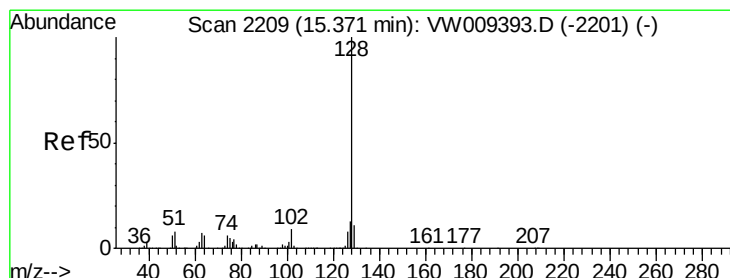
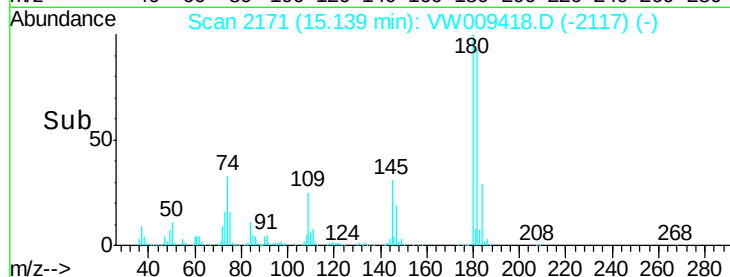
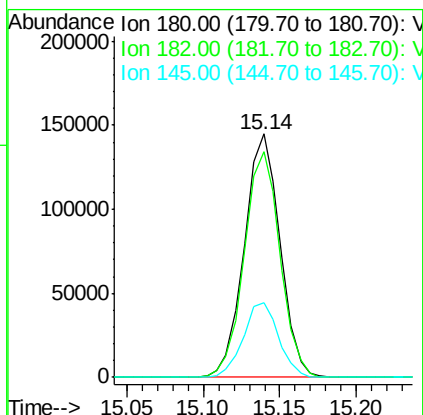
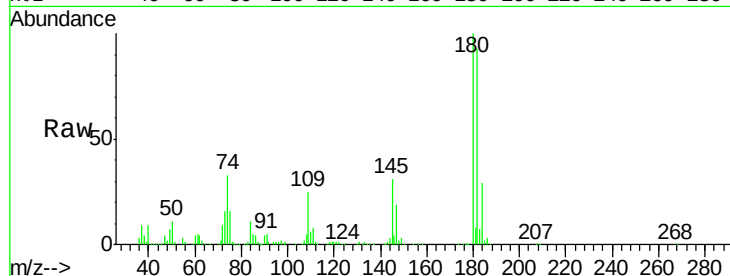




#68
 1,2,4-trichlorobenzene
 Concen: 25.468 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW009418.D
 Acq: 25 Mar 2019 10:06

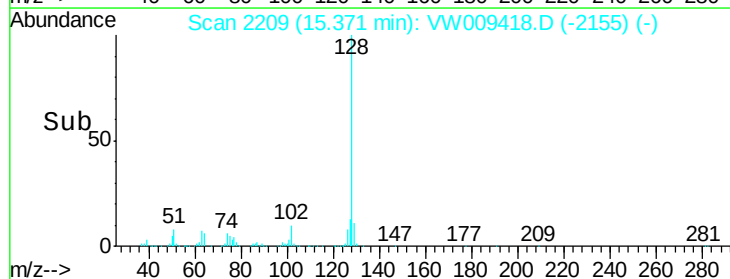
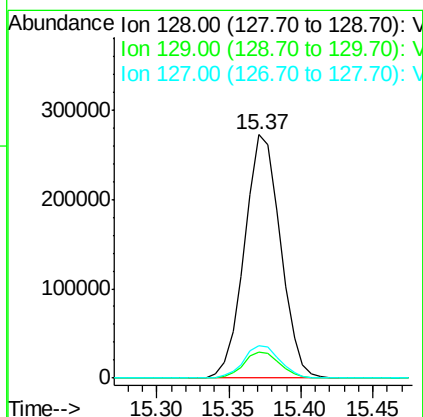
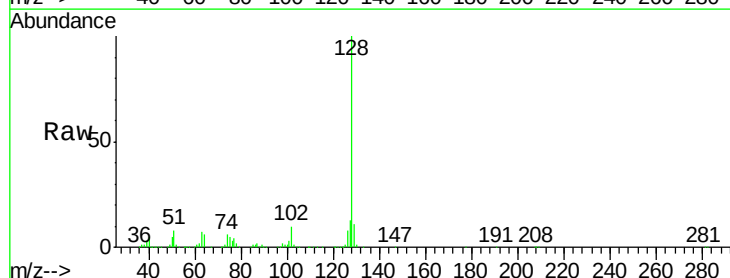
Instrument :
 MSVOA_L
 ClientSampleId :

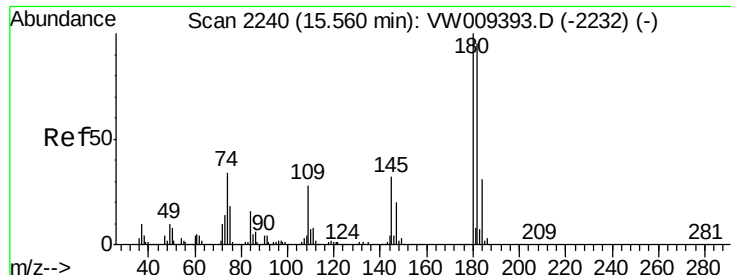
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.3	75.5	113.3
145	30.4	24.1	36.1



#69
 Naphthalene
 Concen: 24.574 ug/L
 RT: 15.37 min Scan# 2209
 Delta R.T. 0.00 min
 Lab File: VW009418.D
 Acq: 25 Mar 2019 10:06

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.7	13.1
127	13.5	11.1	16.7





#70
 1,2,3-Trichlorobenzene
 Concen: 25.415 ug/L
 RT: 15.56 min Scan# 2240
 Delta R.T. 0.00 min
 Lab File: VW009418.D
 Acq: 25 Mar 2019 10:06

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.7	77.2	115.8
145	31.8	25.8	38.6

