

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032519\
 Data File : VW009432.D
 Acq On : 25 Mar 2019 17:15
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Mar 26 07:52:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Mar 26 07:46:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	454467	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	440762	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	232172	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	128543	23.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.68%
7) Chloroethane-d5	2.89	69	143094	22.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.08%
10) 1,1-Dichloroethene-d2	4.01	63	292339	24.91	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	99.64%
20) 2-Butanone-d5	7.07	46	114838	51.13	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.26%
24) Chloroform-d	7.64	84	323470	26.08	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	104.32%
26) 1,2-Dichloroethane-d4	8.31	65	192217	25.73	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.92%
29) Benzene-d6	8.27	84	599314	24.66	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.64%
33) 1,2-Dichloropropane-d6	9.27	67	183537	25.14	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.56%
37) Toluene-d8	10.32	98	554327	24.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.64%
38) trans-1,3-Dichloropropene-	10.58	79	87402	23.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.36%
39) 2-Hexanone-d5	10.93	63	93563	52.91	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.82%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	191241	26.60	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	106.40%
61) 1,2-Dichlorobenzene-d4	13.86	152	220393	24.76	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.04%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	141463	23.629	ug/L	98
3) Chloromethane	2.21	50	137339	21.622	ug/L	98
5) Vinyl chloride	2.37	62	183033	27.996	ug/L	99
6) Bromomethane	2.78	94	132407	24.173	ug/L	99
8) Chloroethane	2.93	64	136027	25.148	ug/L	93
9) Trichlorofluoromethane	3.25	101	101419	19.638	ug/L	96
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	142446	23.884	ug/L	97
12) 1,1-Dichloroethene	4.04	96	143153	25.580	ug/L	89
13) Acetone	4.12	43	81689	44.352	ug/L	100
14) Carbon disulfide	4.38	76	401661	26.668	ug/L	100
15) Methyl Acetate	4.67	43	84236	23.280	ug/L	99
16) Methylene chloride	4.91	84	148799	22.452	ug/L	98
17) Methyl tert-butyl Ether	5.42	73	197711	24.968	ug/L	97
18) trans-1,2-Dichloroethene	5.41	96	143976	24.469	ug/L	97
19) 1,1-Dichloroethane	6.21	63	274717	25.607	ug/L	98
21) 2-Butanone	7.17	43	116158	45.675	ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	157456	24.703	ug/L	98

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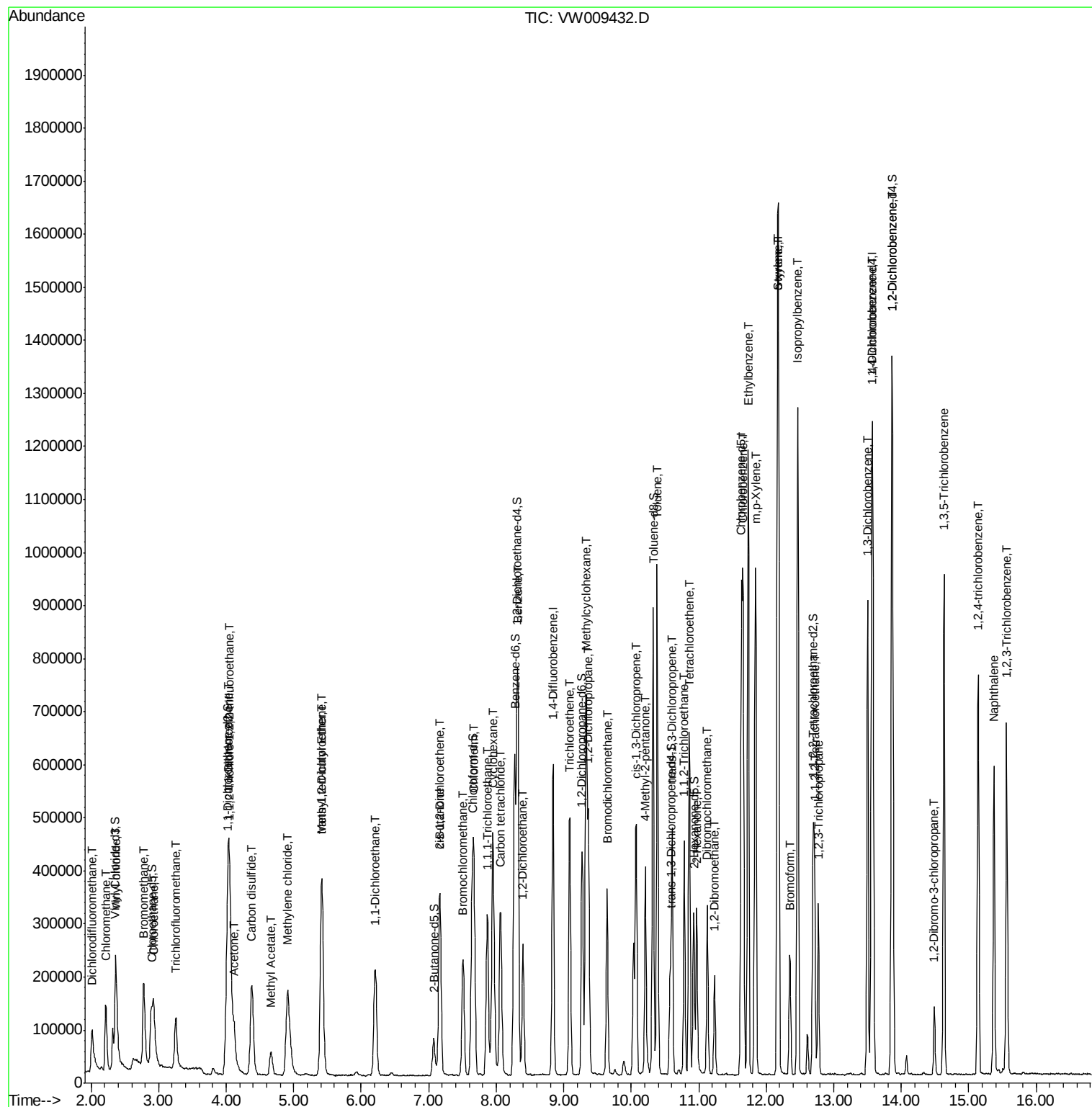
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	72687	23.776	ug/L	97
25) Chloroform	7.67	83	291018	25.903	ug/L	99
27) 1,2-Dichloroethane	8.40	62	216440	25.839	ug/L	97
30) Cyclohexane	7.95	56	243584	24.334	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	227430	25.835	ug/L	99
32) Carbon tetrachloride	8.07	117	231943	26.114	ug/L	99
34) Benzene	8.32	78	614660	25.478	ug/L	100
35) Trichloroethene	9.09	95	158727	24.692	ug/L	98
36) Methylcyclohexane	9.34	83	275300	24.754	ug/L	98
40) 1,2-Dichloropropane	9.37	63	155260	25.080	ug/L	99
41) Bromodichloromethane	9.64	83	216196	25.205	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	248394	24.635	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	259991	46.347	ug/L	99
44) Toluene	10.38	91	667864	25.320	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	219539	25.030	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	118910	24.077	ug/L	99
47) Tetrachloroethene	10.86	164	134104	24.689	ug/L	98
49) 2-Hexanone	10.97	43	194348	49.190	ug/L	99
50) Dibromochloromethane	11.13	129	150463	24.679	ug/L	97
51) 1,2-Dibromoethane	11.23	107	120031	23.974	ug/L #	93
52) Chlorobenzene	11.66	112	426834	25.230	ug/L	98
53) Ethylbenzene	11.73	91	762367	25.708	ug/L	98
54) m,p-Xylene	11.84	106	286463	25.426	ug/L	94
55) o-xylene	12.16	106	277932	25.287	ug/L	99
56) Styrene	12.18	104	488535	26.051	ug/L	93
57) Isopropylbenzene	12.47	105	765684	26.005	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	167337	25.115	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	124112	25.100	ug/L	97
62) Bromoform	12.35	173	95159	24.258	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	336410	24.312	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	356056	24.889	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	331794	25.143	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	29946	23.155	ug/L	91
67) 1,3,5-Trichlorobenzene	14.63	180	268196	24.850	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	223912	24.699	ug/L	100
69) Naphthalene	15.37	128	467042	24.849	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	213668	25.164	ug/L	98

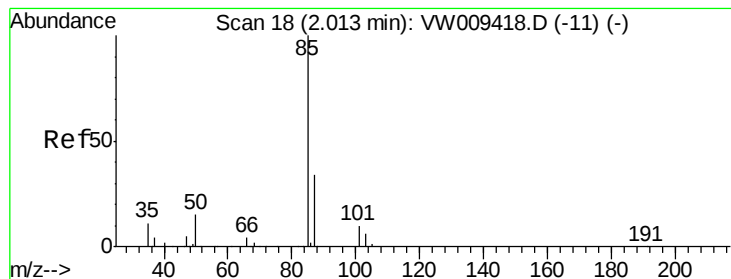
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 23.629 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW009432.D

Acq: 25 Mar 2019 17:15

Instrument :

MSVOA_W

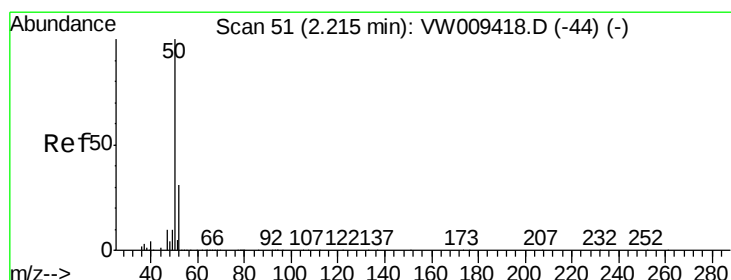
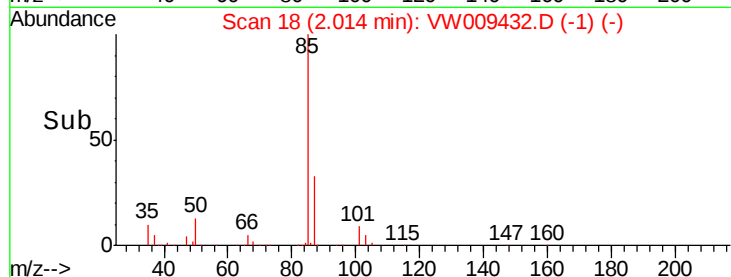
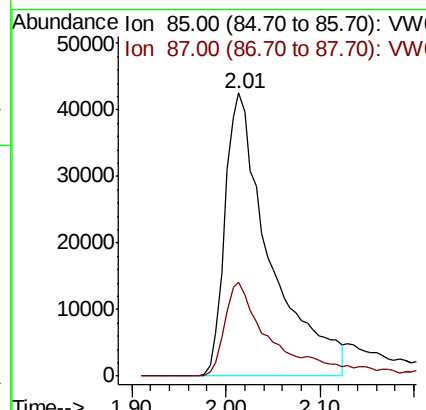
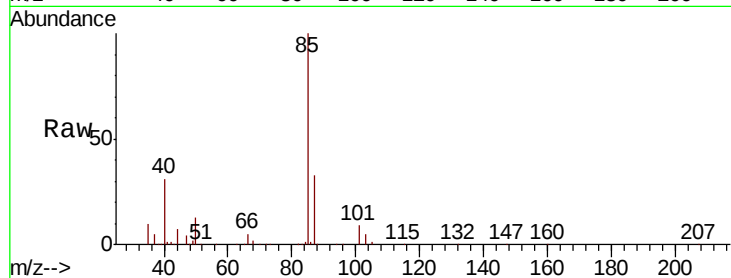
ClientSampleId :

Tot Ion: 85 Resp: 141463

Ion Ratio Lower Upper

85 100

87 28.7 19.5 36.3



#3

Chloromethane

Concen: 21.622 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW009432.D

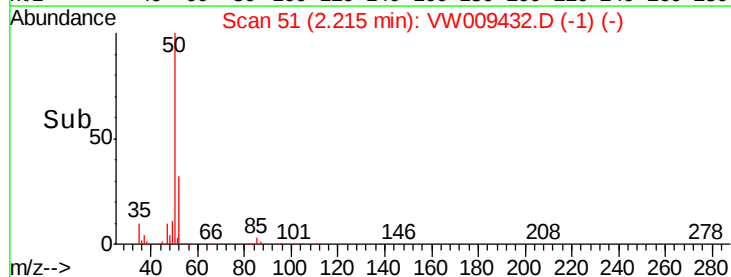
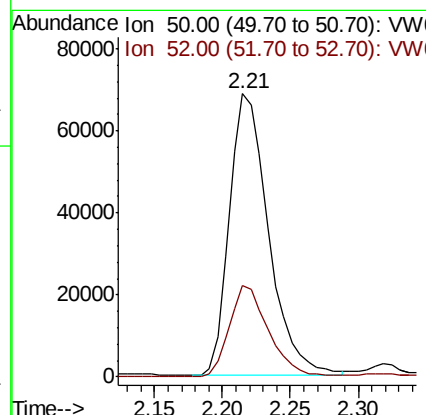
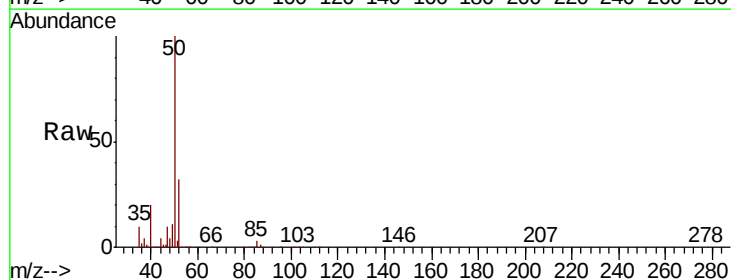
Acq: 25 Mar 2019 17:15

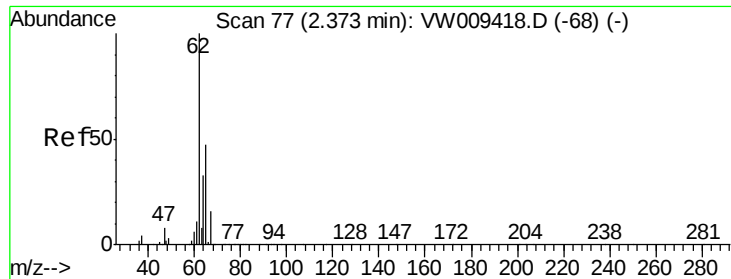
Tgt Ion: 50 Resp: 137339

Ion Ratio Lower Upper

50 100

52 32.1 21.6 40.2





#5

Vinyl chloride

Concen: 27.996 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW009432.D

Acq: 25 Mar 2019 17:15

Instrument :

MSVOA_W

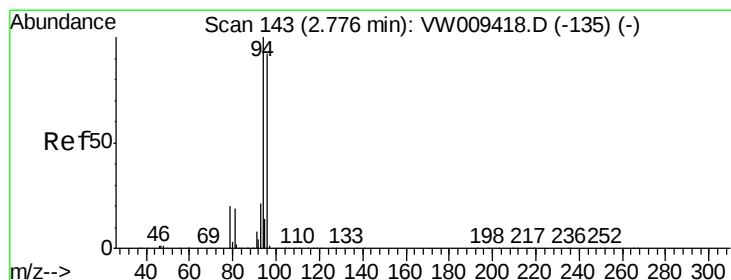
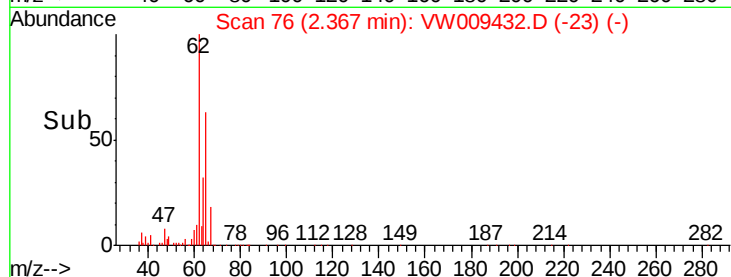
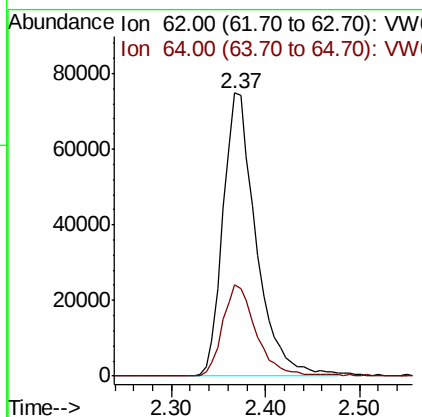
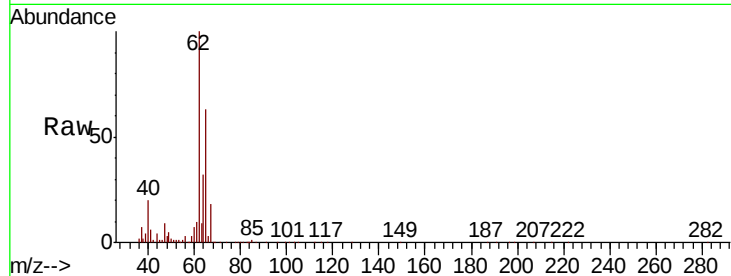
ClientSampleId :

Tot Ion: 62 Resp: 183033

Ion Ratio Lower Upper

62 100

64 32.2 23.0 42.6



#6

Bromomethane

Concen: 24.173 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW009432.D

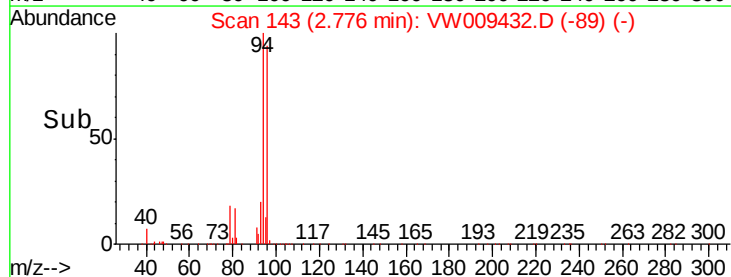
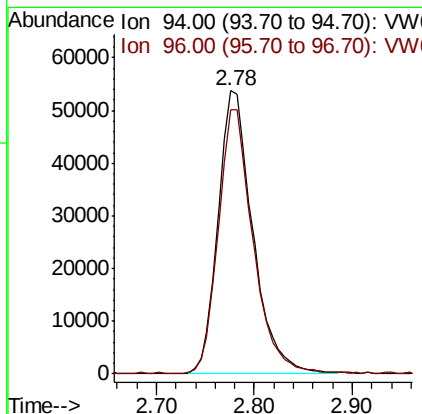
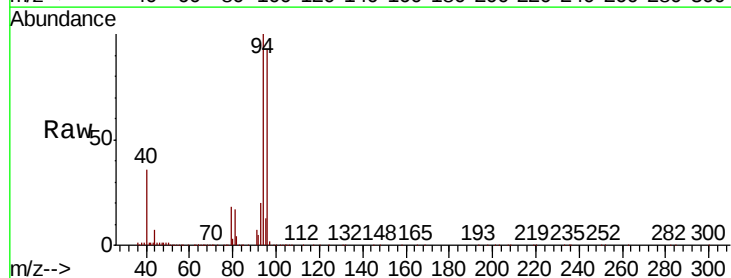
Acq: 25 Mar 2019 17:15

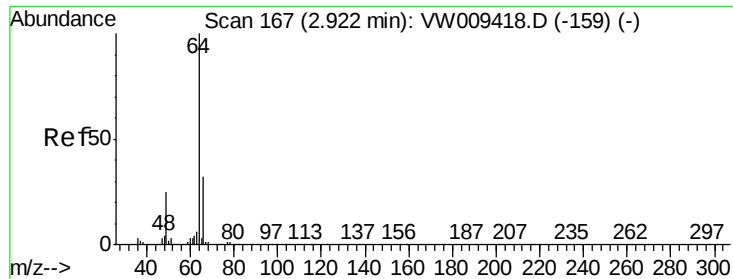
Tgt Ion: 94 Resp: 132407

Ion Ratio Lower Upper

94 100

96 93.2 9.4 178.4





#8

Chloroethane

Concen: 25.148 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW009432.D

Acq: 25 Mar 2019 17:15

Instrument :

MSVOA_W

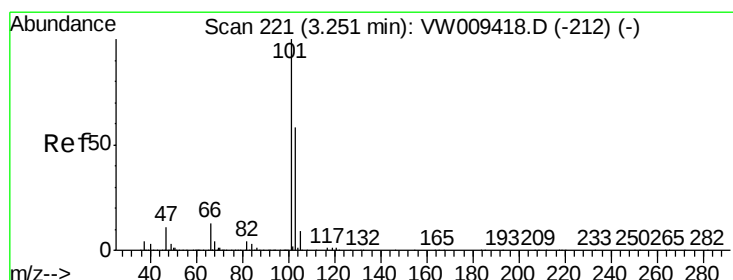
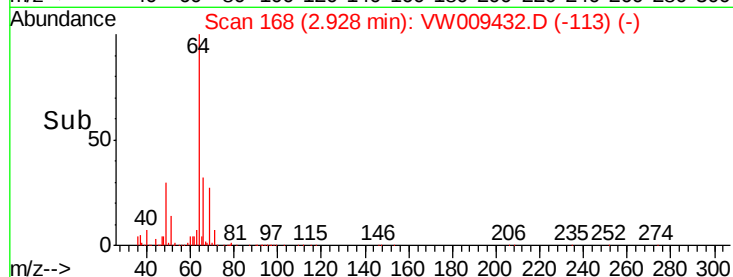
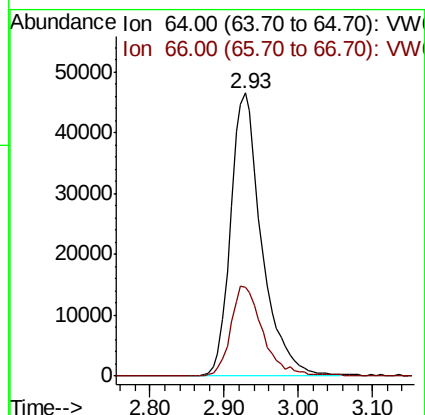
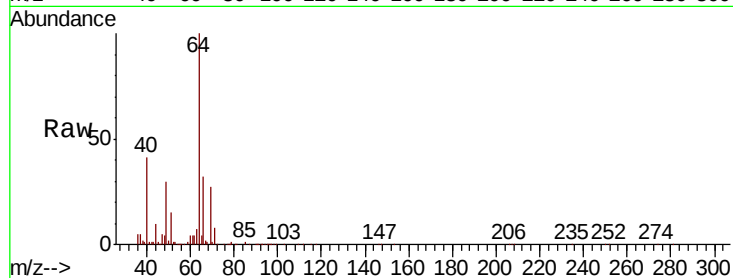
ClientSampleId :

Tot Ion: 64 Resp: 136027

Ion Ratio Lower Upper

64 100

66 31.6 25.1 46.7



#9

Trichlorofluoromethane

Concen: 19.638 ug/L

RT: 3.25 min Scan# 221

Delta R.T. 0.00 min

Lab File: VW009432.D

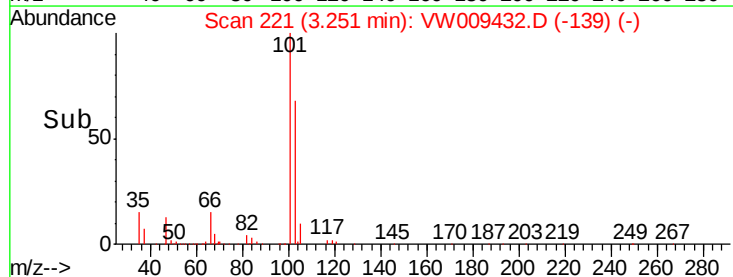
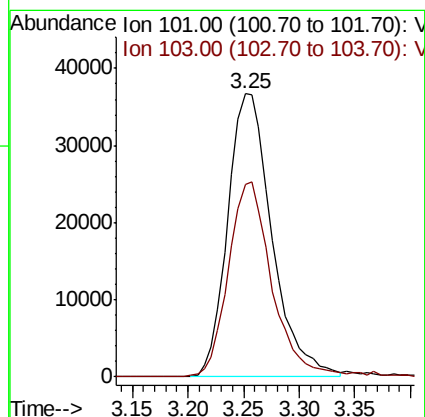
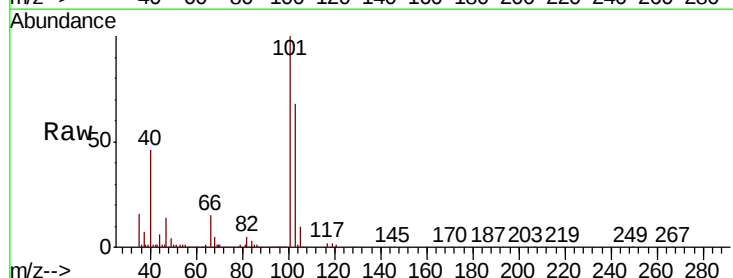
Acq: 25 Mar 2019 17:15

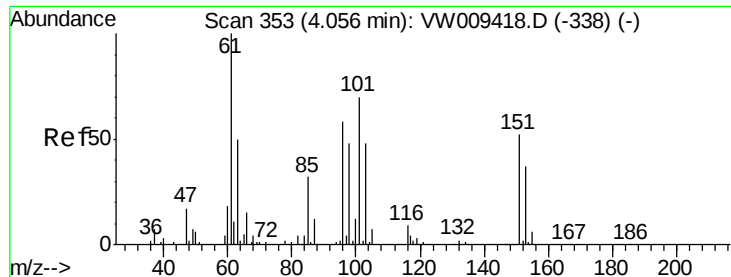
Tgt Ion: 101 Resp: 101419

Ion Ratio Lower Upper

101 100

103 67.4 45.0 83.6





#11

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

Concen: 23.884 ug/L

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW009432.D

Acq: 25 Mar 2019 17:15

Instrument :

MSVOA_W

ClientSampleId :

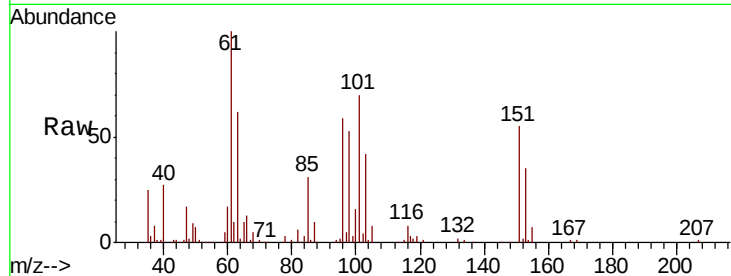
Tot Ion:101 Resp: 142446

Ion Ratio Lower Upper

101 100

85 46.1 32.6 48.8

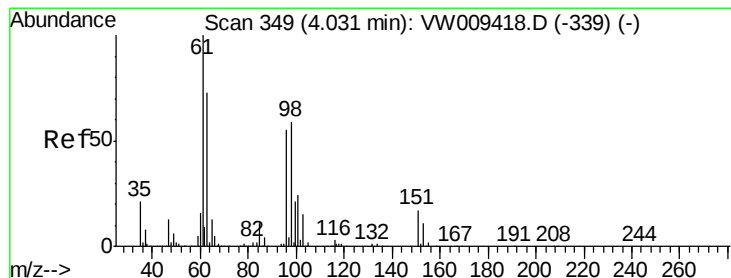
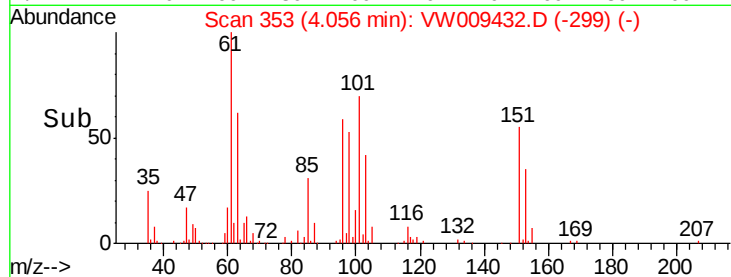
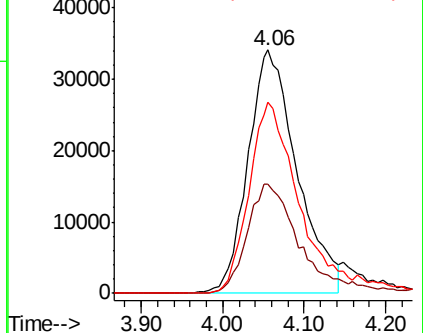
151 78.4 63.3 94.9



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: 25.580 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.01 min

Lab File: VW009432.D

Acq: 25 Mar 2019 17:15

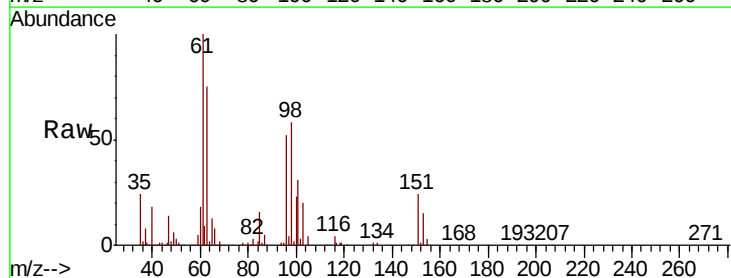
Tgt Ion: 96 Resp: 143153

Ion Ratio Lower Upper

96 100

61 192.9 129.4 240.2

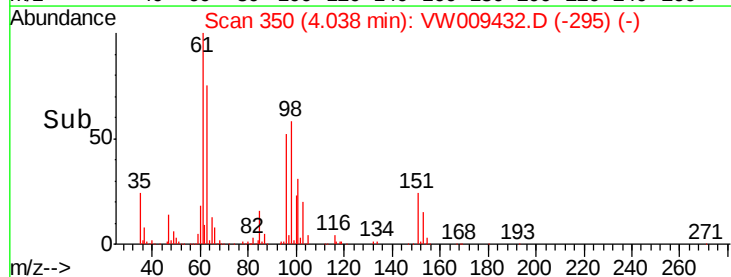
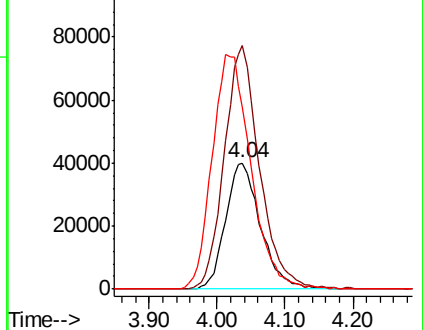
63 144.5 116.8 217.0

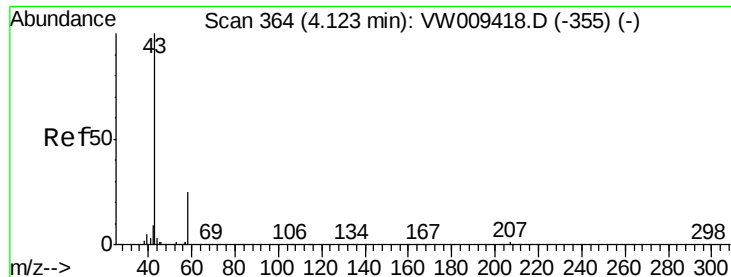


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 44.352 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW009432.D

Acq: 25 Mar 2019 17:15

Instrument :

MSVOA_W

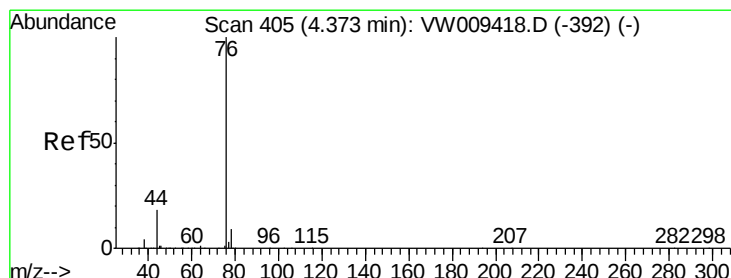
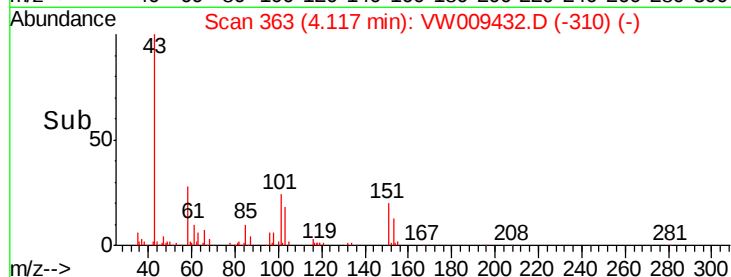
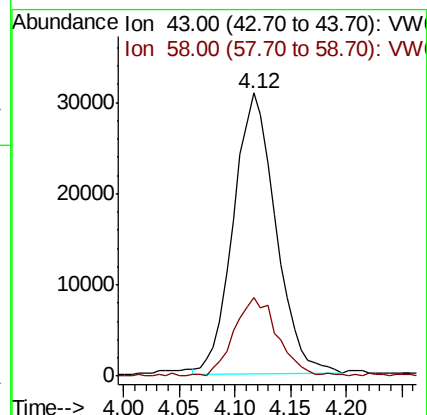
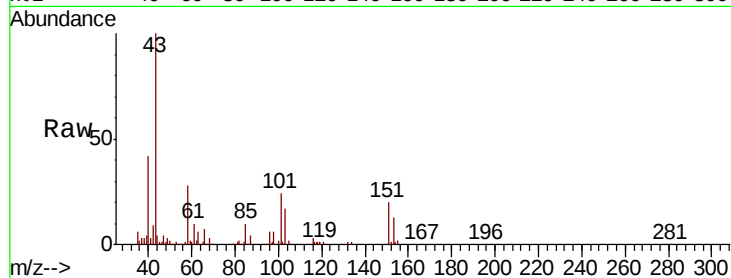
ClientSampleId :

Tot Ion: 43 Resp: 81689

Ion Ratio Lower Upper

43 100

58 28.3 0.0 56.2



#14

Carbon disulfide

Concen: 26.668 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW009432.D

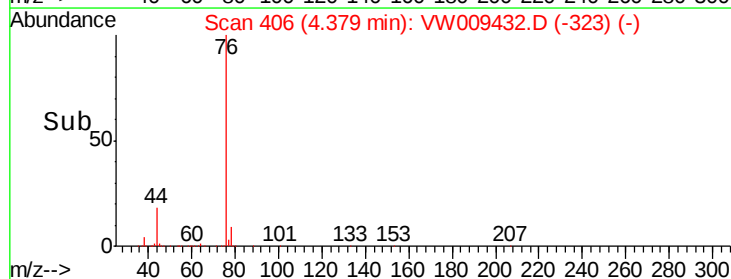
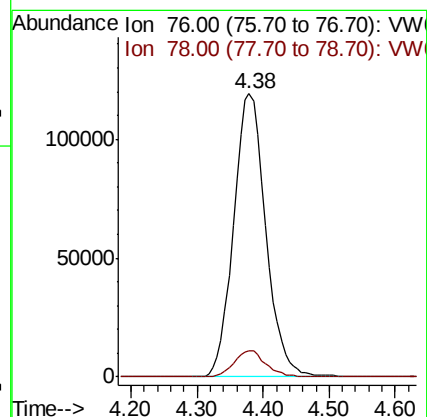
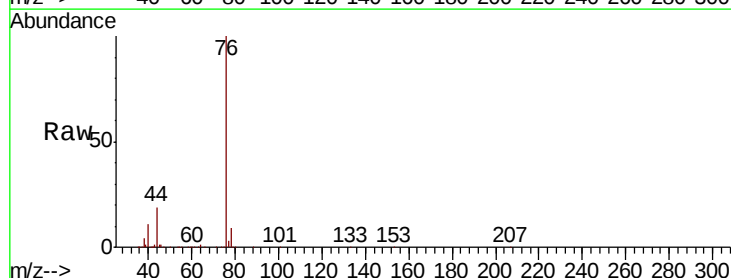
Acq: 25 Mar 2019 17:15

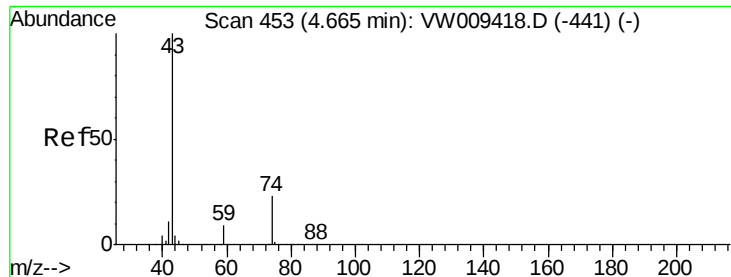
Tgt Ion: 76 Resp: 401661

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9

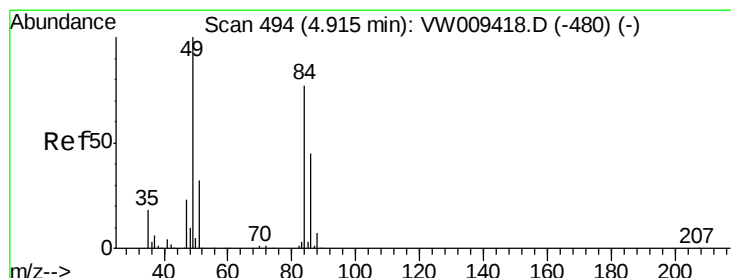
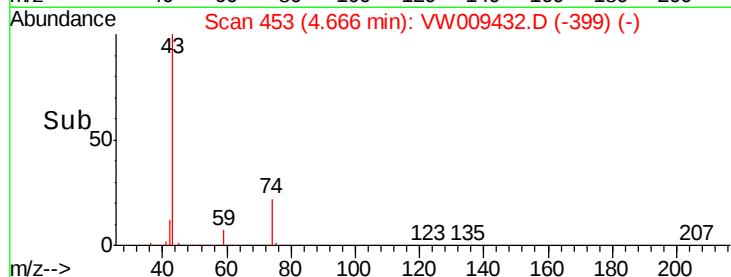
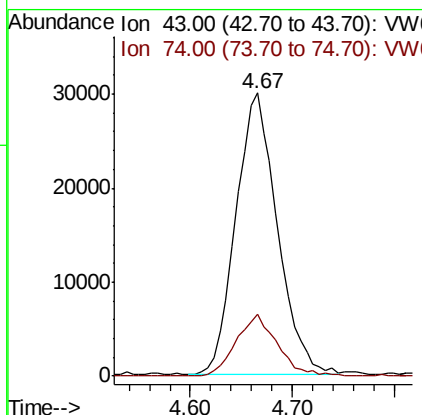
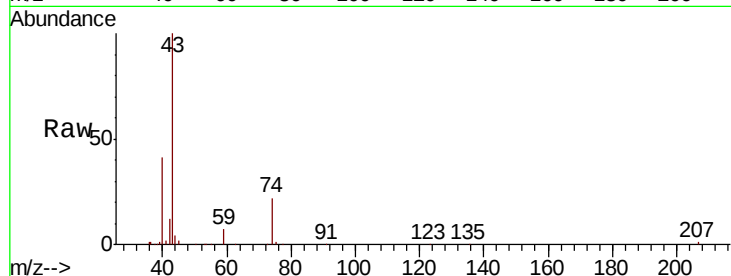




#15
Methvl Acetate
Concen: 23.280 ug/L
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW009432.D
Acq: 25 Mar 2019 17:15

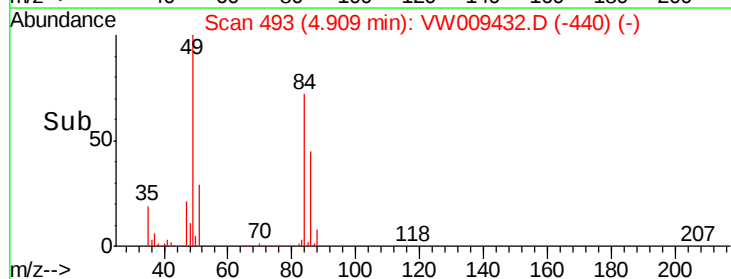
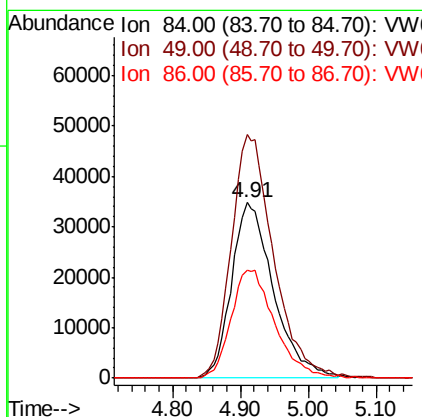
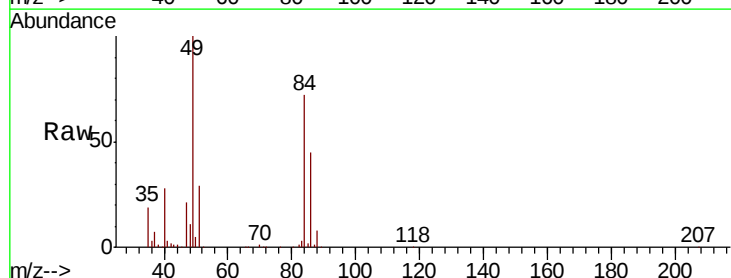
Instrument :
MSVOA_W
ClientSampleId :

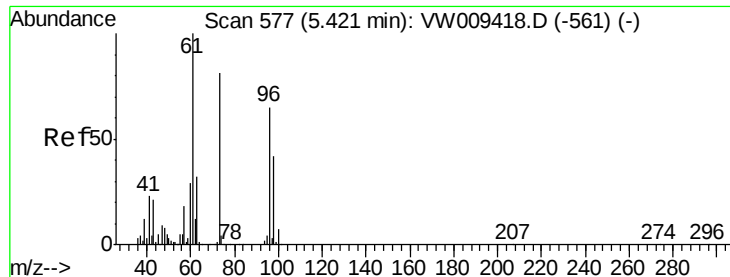
Tot Ion: 43 Resp: 84236
Ion Ratio Lower Upper
43 100
74 21.6 16.7 25.1



#16
Methylene chloride
Concen: 22.452 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW009432.D
Acq: 25 Mar 2019 17:15

Tgt Ion: 84 Resp: 148799
Ion Ratio Lower Upper
84 100
49 138.9 96.0 178.2
86 61.9 44.4 82.5

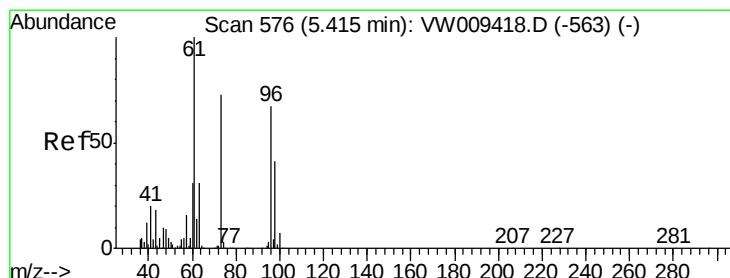
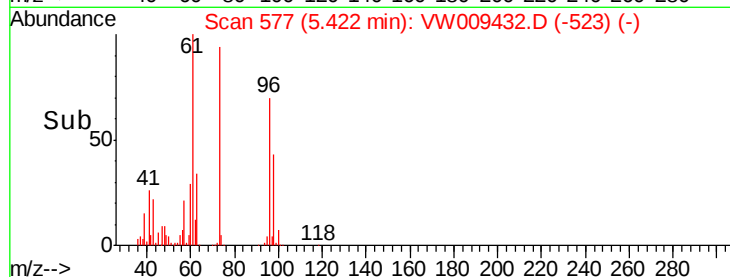
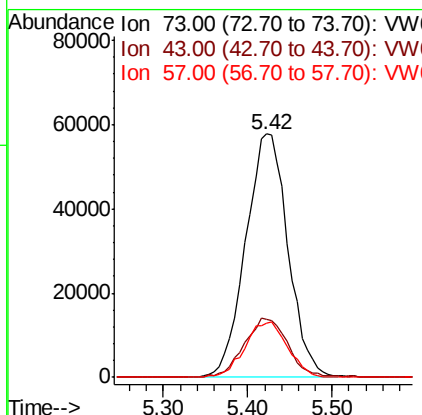
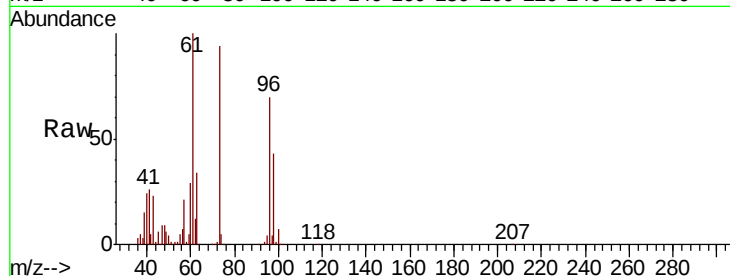




#17
Methvl tert-butvl Ether
Concen: 24.968 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW009432.D
Acq: 25 Mar 2019 17:15

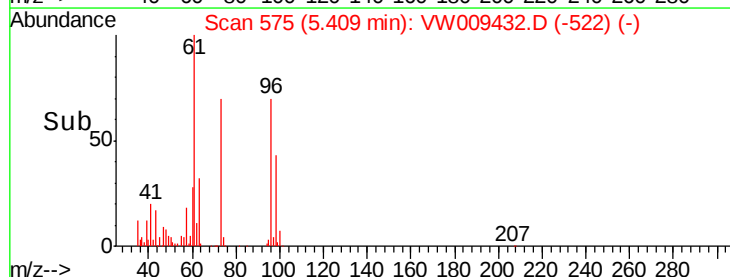
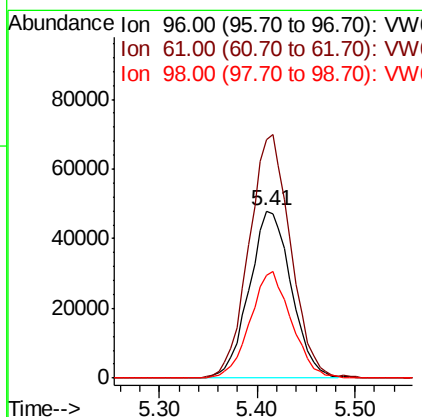
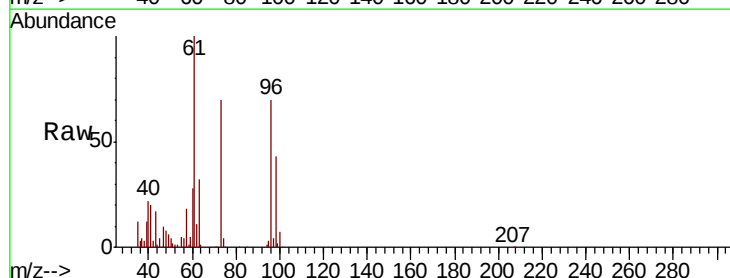
Instrument :
MSVOA_W
ClientSampleId :

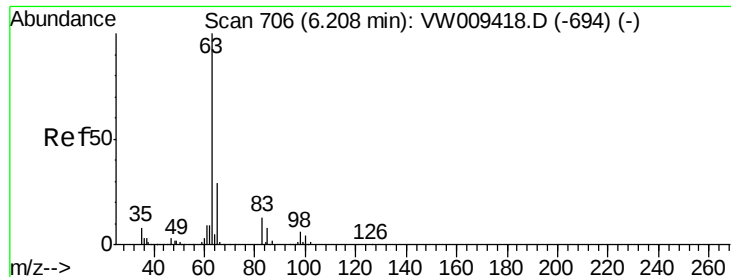
Tot Ion: 73 Resp: 197711
Ion Ratio Lower Upper
73 100
43 24.7 18.2 27.4
57 23.1 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 24.469 ug/L
RT: 5.41 min Scan# 575
Delta R.T. -0.01 min
Lab File: VW009432.D
Acq: 25 Mar 2019 17:15

Tgt Ion: 96 Resp: 143976
Ion Ratio Lower Upper
96 100
61 143.0 96.7 179.5
98 61.7 43.8 81.4





#19

1,1-Dichloroethane

Concen: 25.607 ug/L

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW009432.D

Acq: 25 Mar 2019 17:15

Instrument :

MSVOA_W

ClientSampleId :

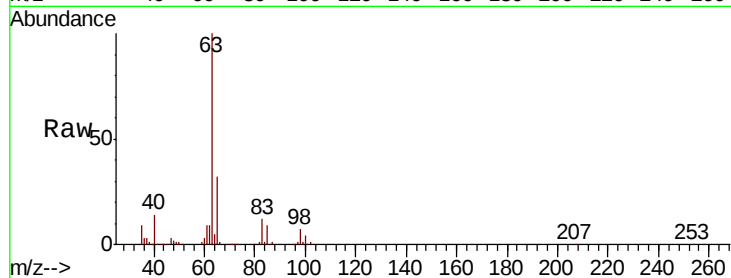
Tot Ion: 63 Resp: 274717

Ion Ratio Lower Upper

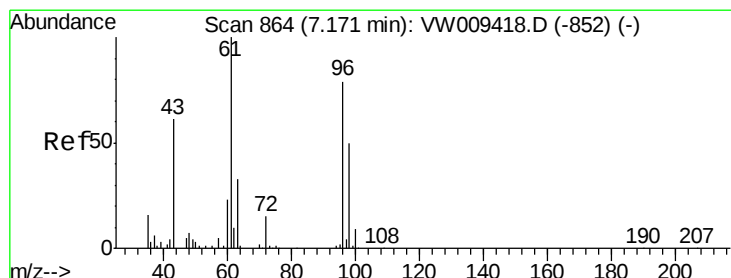
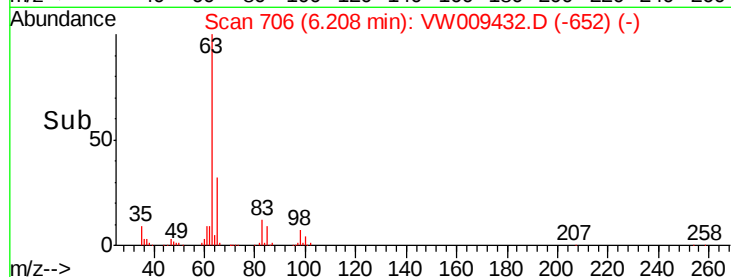
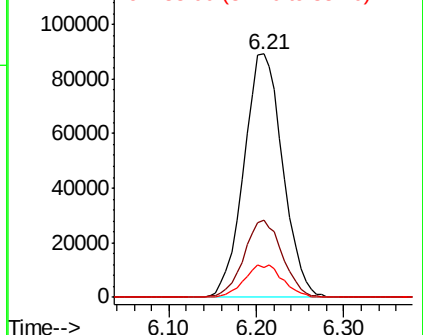
63 100

65 31.6 21.6 40.0

83 12.5 10.1 18.7



Abundance Ion 63.00 (62.70 to 63.70): VW
Ion 65.00 (64.70 to 65.70): VW
Ion 83.00 (82.70 to 83.70): VW



#21

2-Butanone

Concen: 45.675 ug/L

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW009432.D

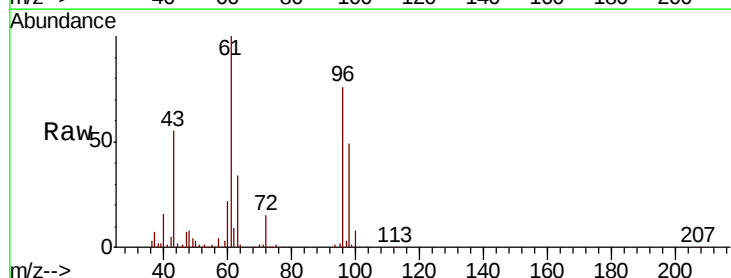
Acq: 25 Mar 2019 17:15

Tgt Ion: 43 Resp: 116158

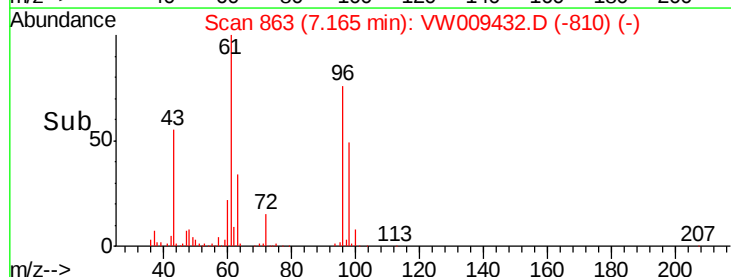
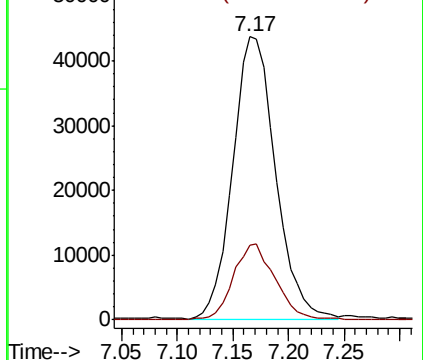
Ion Ratio Lower Upper

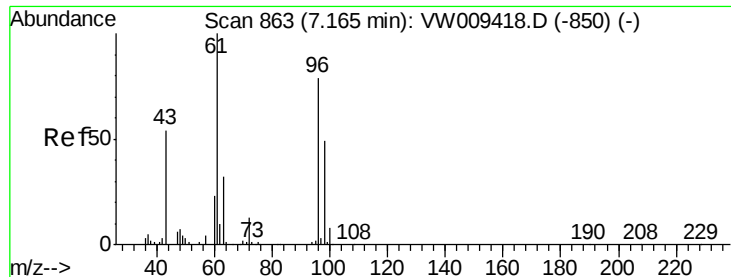
43 100

72 26.2 13.1 39.1



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



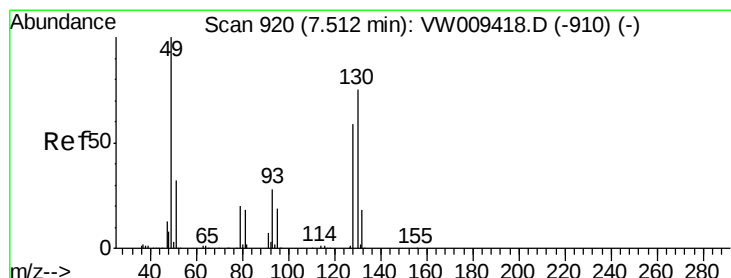
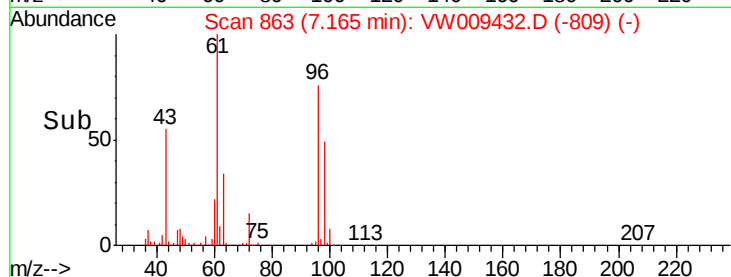
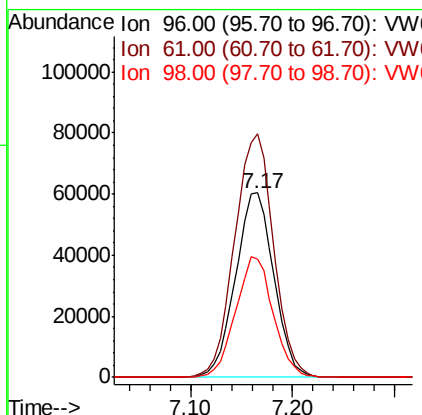
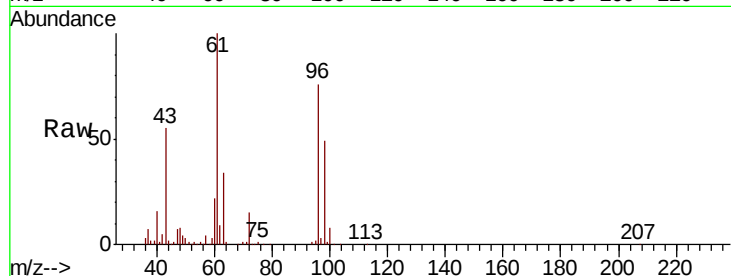


#22

cis-1,2-Dichloroethene
 Concen: 24.703 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW009432.D
 Acq: 25 Mar 2019 17:15

Instrument :
 MSVOA_W
 ClientSampled :

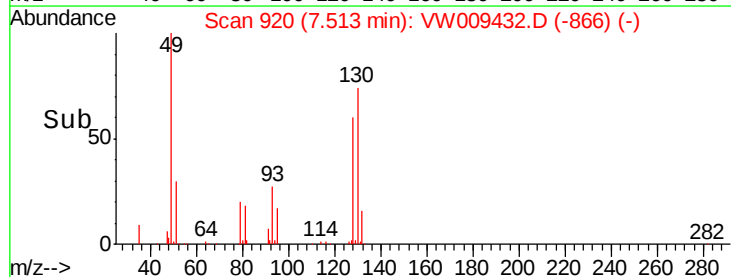
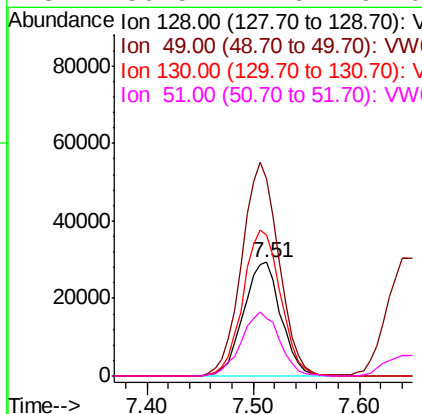
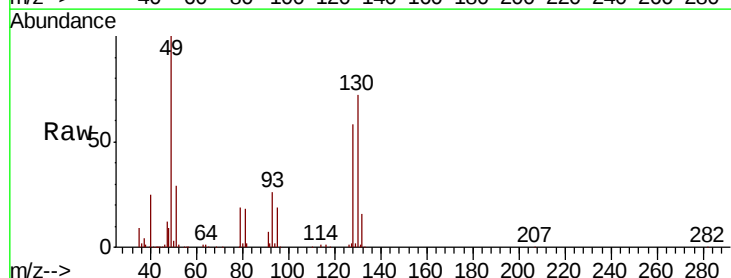
Tot Ion: 96 Resp: 157456
 Ion Ratio Lower Upper
 96 100
 61 132.1 90.6 168.3
 98 64.2 44.0 81.8

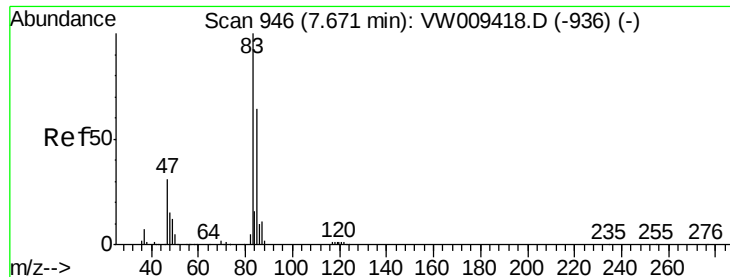


#23

Bromochloromethane
 Concen: 23.776 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW009432.D
 Acq: 25 Mar 2019 17:15

Tgt Ion: 128 Resp: 72687
 Ion Ratio Lower Upper
 128 100
 49 173.6 118.4 219.8
 130 124.3 87.8 163.2
 51 50.5 44.6 67.0





#25

Chloroform

Concen: 25.903 ug/L

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW009432.D

Acq: 25 Mar 2019 17:15

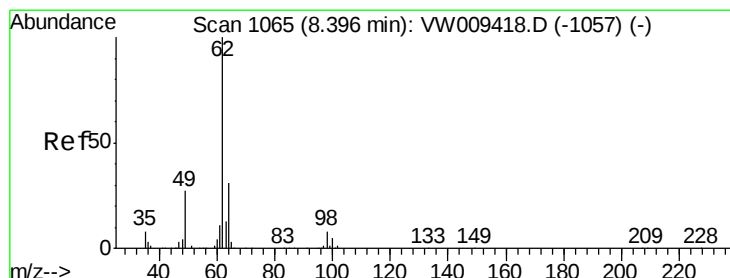
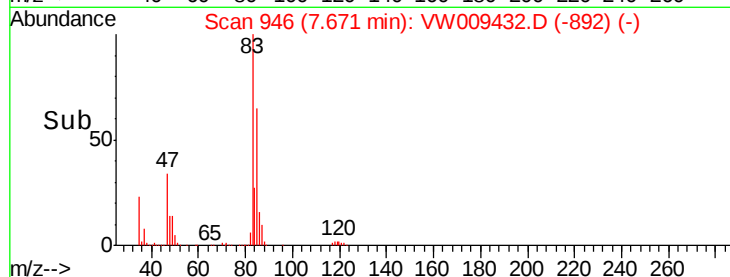
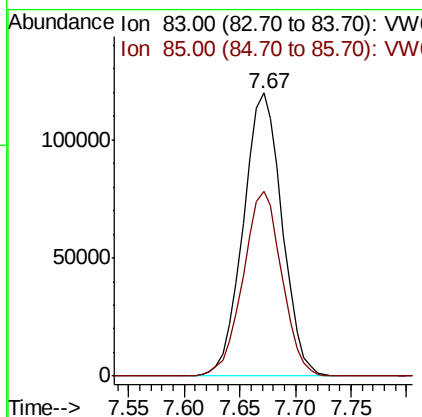
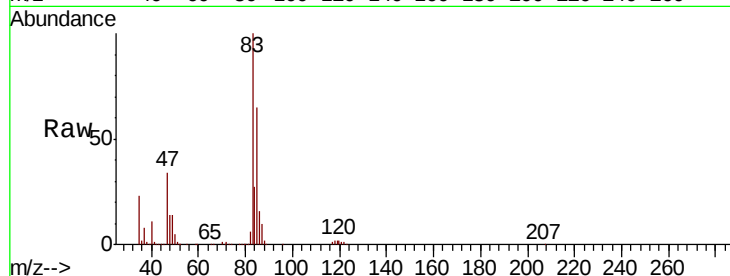
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 83 Resp: 291018

Ion Ratio Lower Upper

83 100

85 65.2 46.0 85.4



#27

1,2-Dichloroethane

Concen: 25.839 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW009432.D

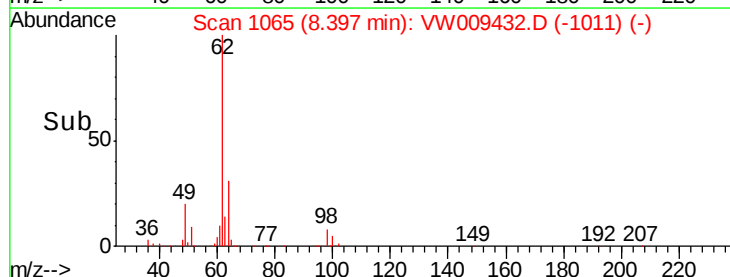
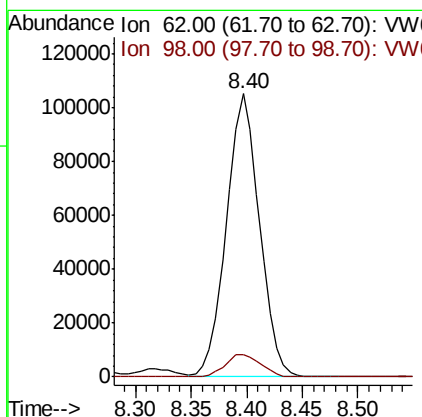
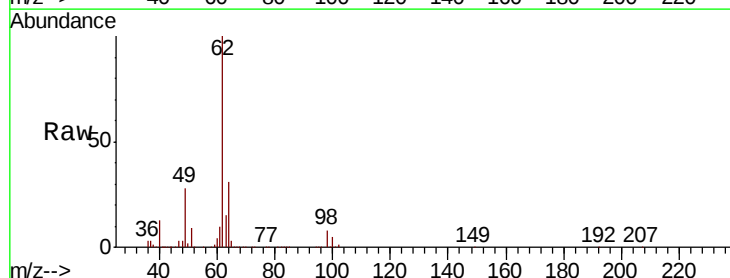
Acq: 25 Mar 2019 17:15

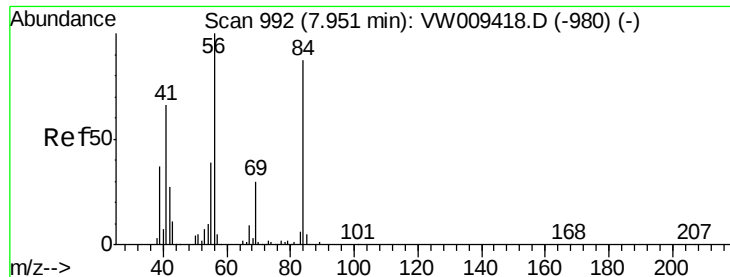
Tgt Ion: 62 Resp: 216440

Ion Ratio Lower Upper

62 100

98 7.9 7.3 10.9

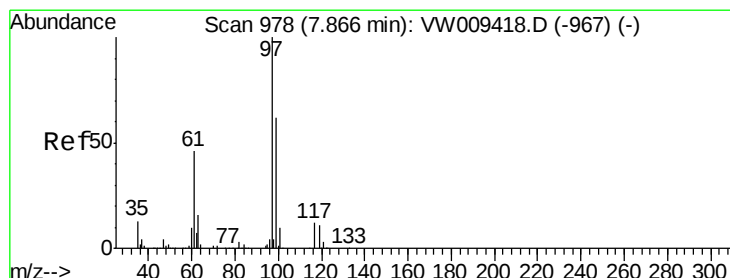
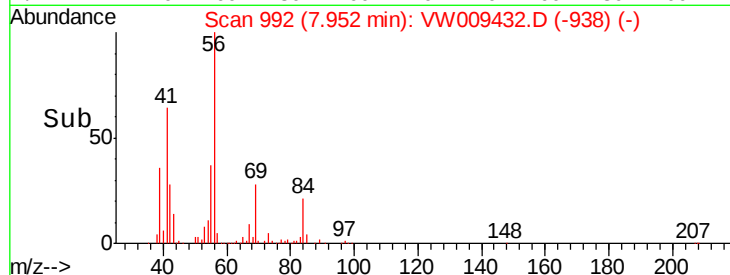
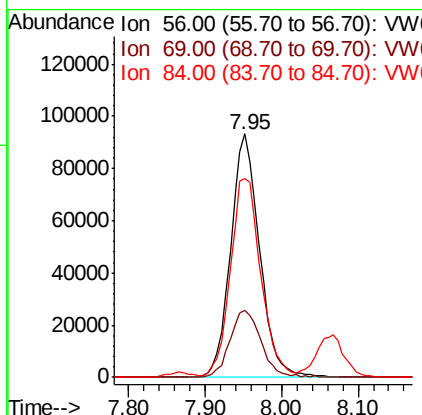
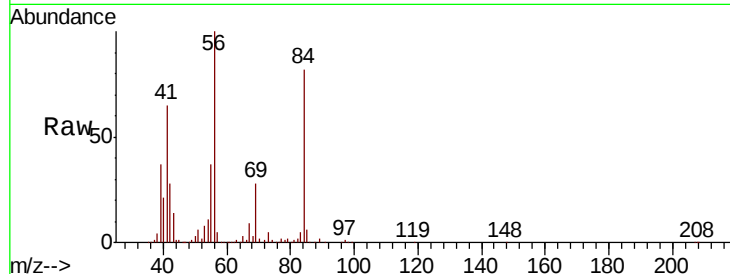




#30
Cyclohexane
Concen: 24.334 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW009432.D
Acq: 25 Mar 2019 17:15

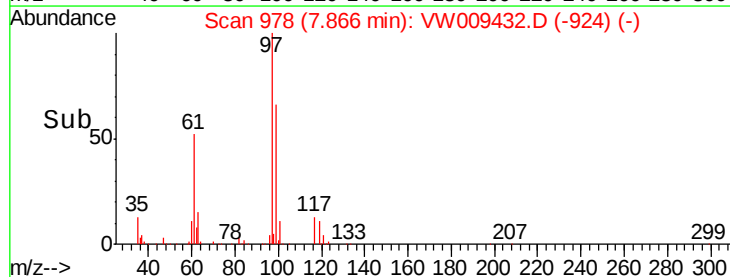
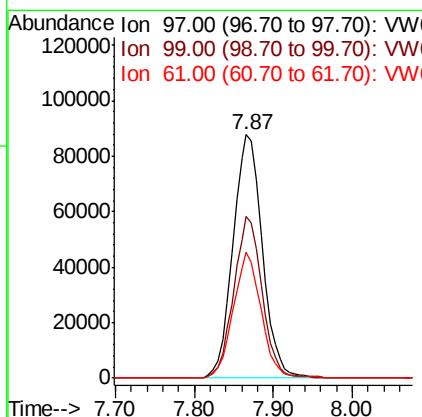
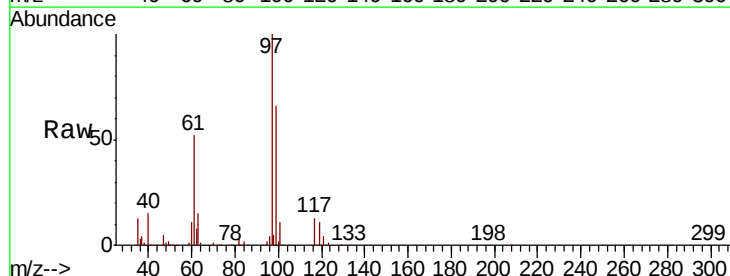
Instrument :
MSVOA_W
ClientSampleId :

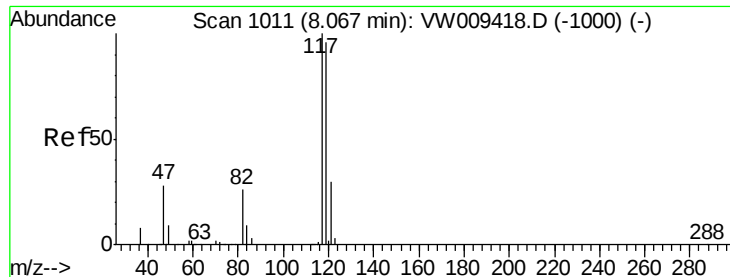
Tot Ion	Ratio	Lower	Upper
56	100		
69	29.6	24.0	36.0
84	86.3	69.2	103.8



#31
1,1,1-Trichloroethane
Concen: 25.835 ug/L
RT: 7.87 min Scan# 978
Delta R.T. 0.00 min
Lab File: VW009432.D
Acq: 25 Mar 2019 17:15

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.2	76.8
61	48.8	38.4	57.6





#32

Carbon tetrachloride

Concen: 26.114 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW009432.D

Acq: 25 Mar 2019 17:15

Instrument :

MSVOA_W

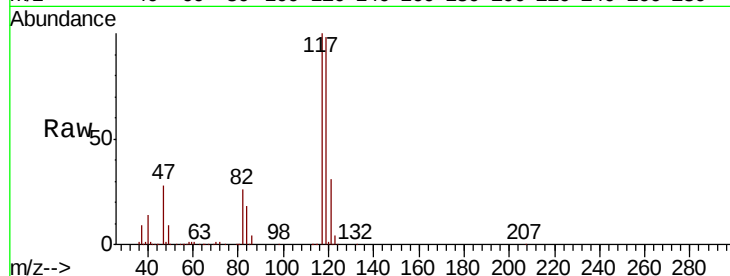
ClientSampled :

Tot Ion:117 Resp: 231943

Ion Ratio Lower Upper

117 100

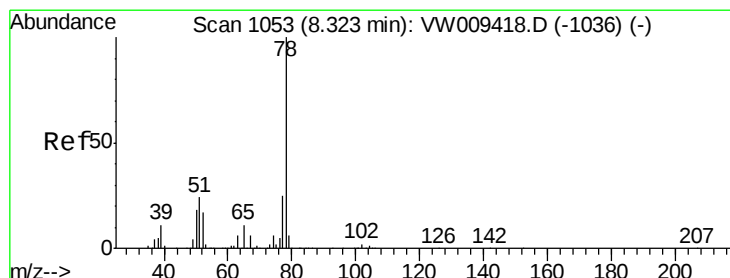
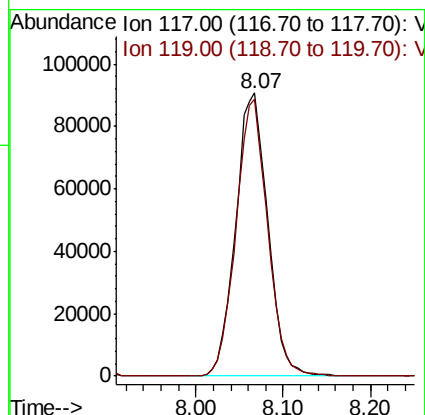
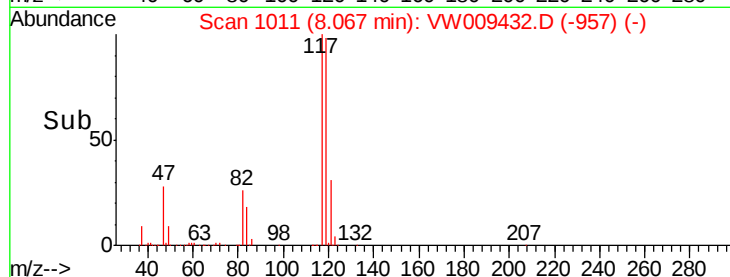
119 96.3 78.0 117.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07



#34

Benzene

Concen: 25.478 ug/L

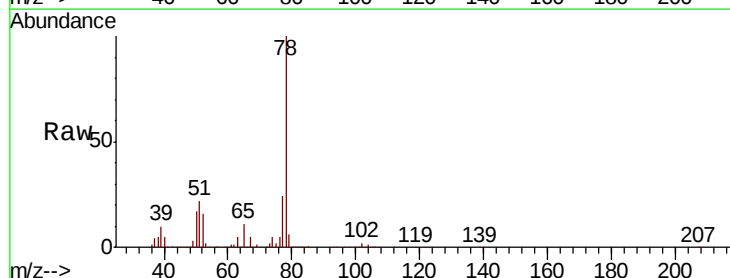
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW009432.D

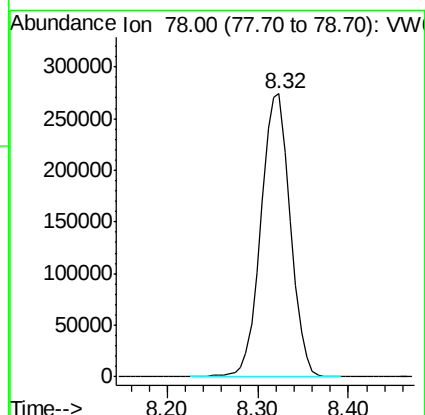
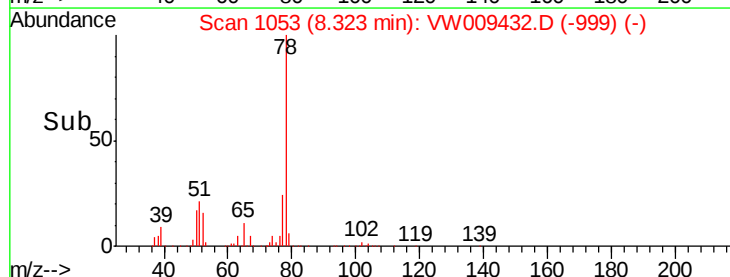
Acq: 25 Mar 2019 17:15

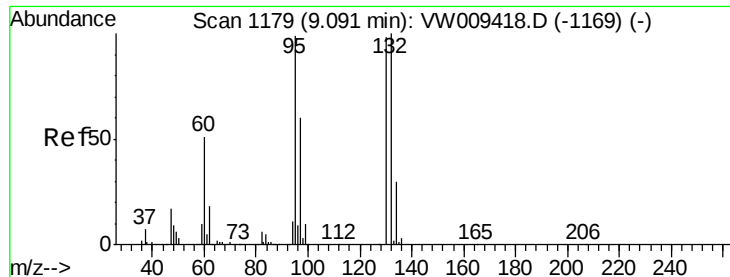
Tgt Ion: 78 Resp: 614660



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32





#35

Trichloroethene

Concen: 24.692 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW009432.D

Acq: 25 Mar 2019 17:15

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 95 Resp: 158727

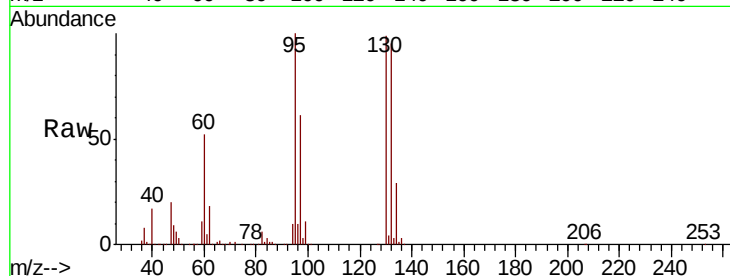
Ion Ratio Lower Upper

95 100

97 63.5 44.7 82.9

132 97.5 69.0 128.2

130 100.2 72.7 134.9

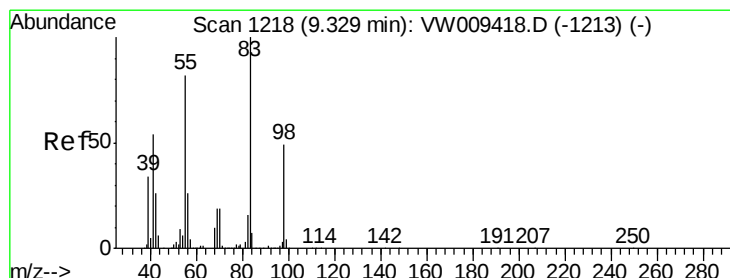
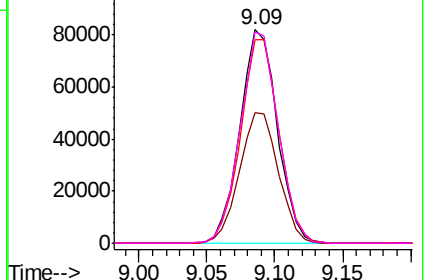
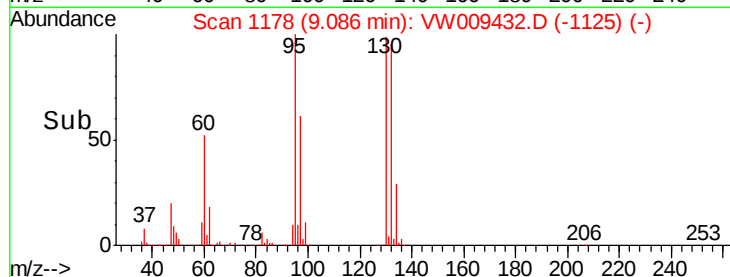


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#36

Methylcyclohexane

Concen: 24.754 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.01 min

Lab File: VW009432.D

Acq: 25 Mar 2019 17:15

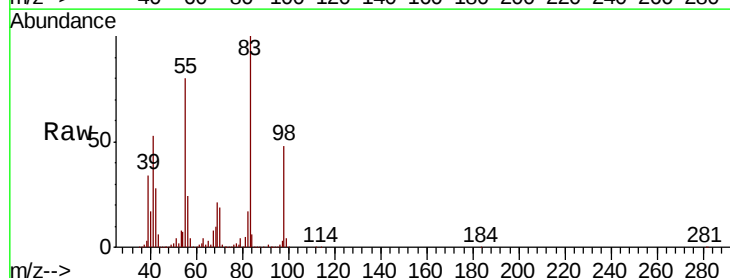
Tgt Ion: 83 Resp: 275300

Ion Ratio Lower Upper

83 100

55 81.1 63.5 95.3

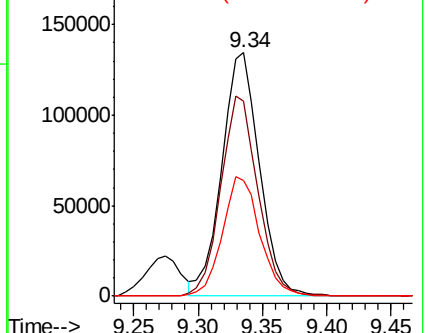
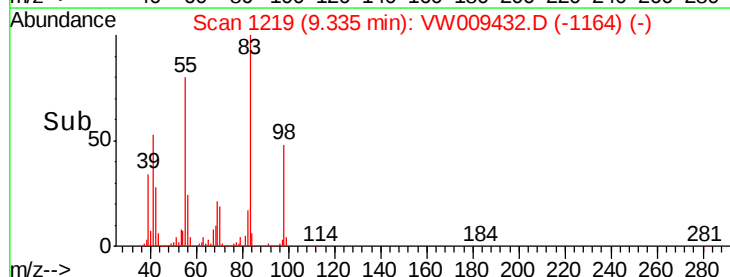
98 48.9 39.8 59.8

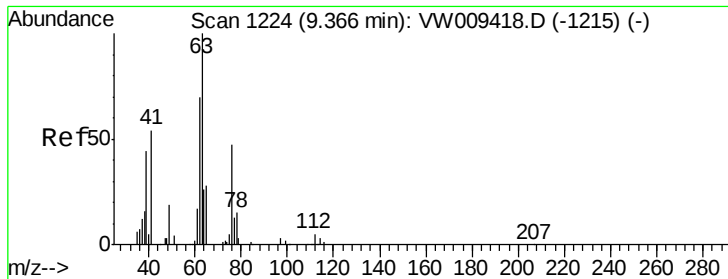


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

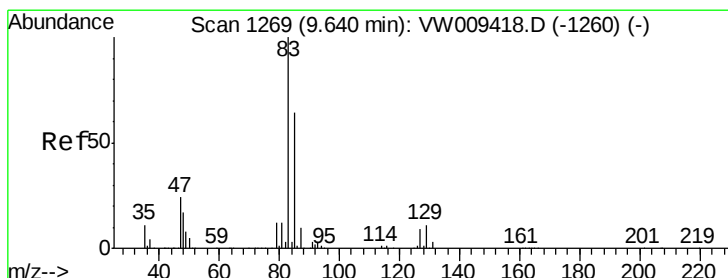
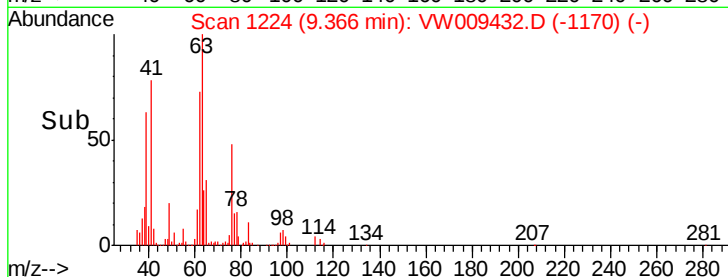
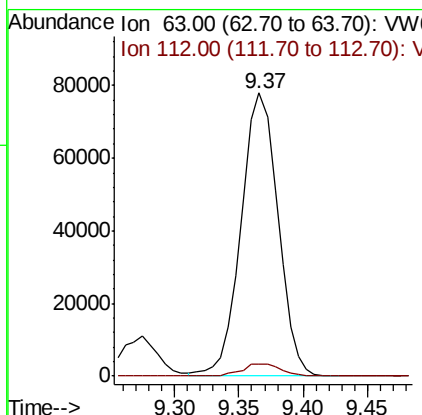
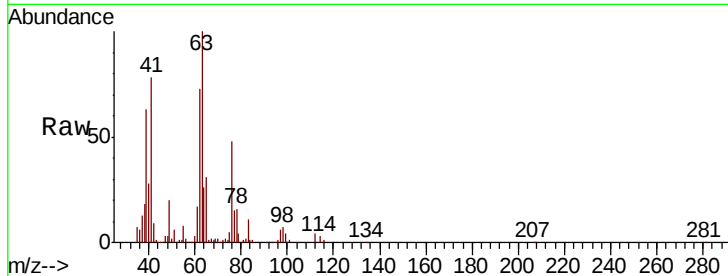




#40
 1,2-Dichloropropane
 Concen: 25.080 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW009432.D
 Acq: 25 Mar 2019 17:15

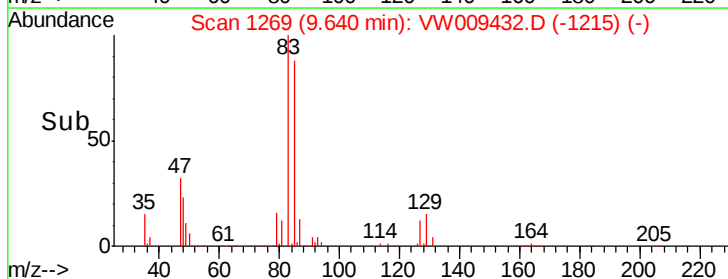
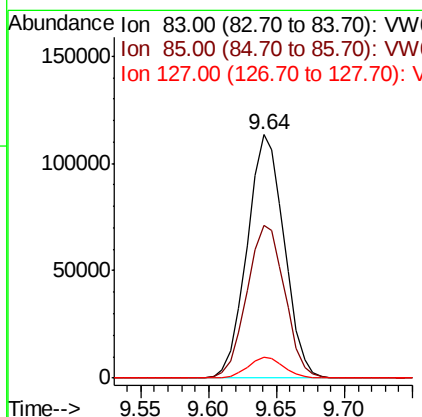
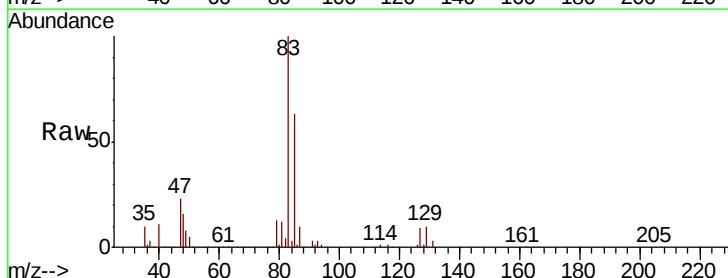
Instrument :
 MSVOA_W
 ClientSampleId :

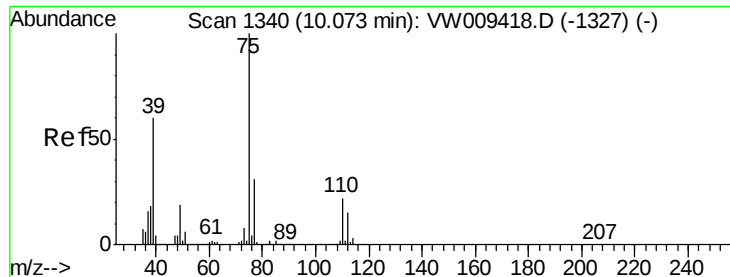
Tot Ion: 63 Resp: 155260
 Ion Ratio Lower Upper
 63 100
 112 4.6 4.0 6.0



#41
 Bromodichloromethane
 Concen: 25.205 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW009432.D
 Acq: 25 Mar 2019 17:15

Tgt Ion: 83 Resp: 216196
 Ion Ratio Lower Upper
 83 100
 85 62.5 43.5 80.7
 127 8.6 6.2 9.4

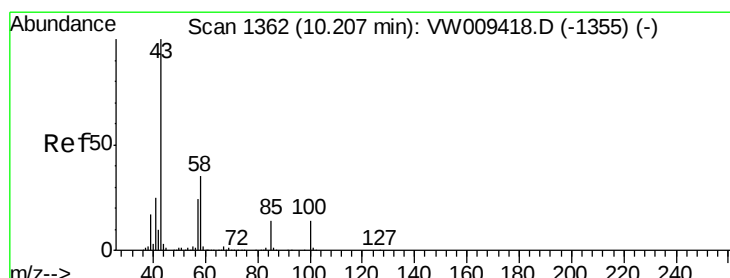
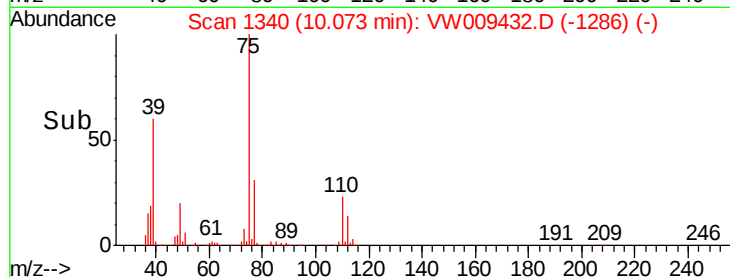
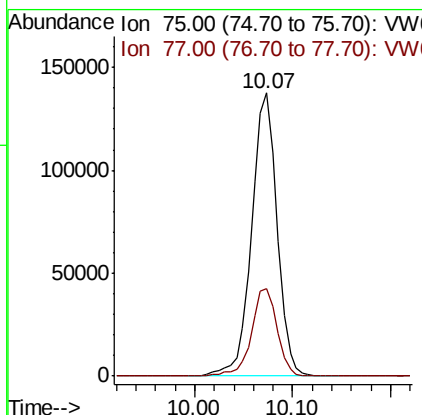
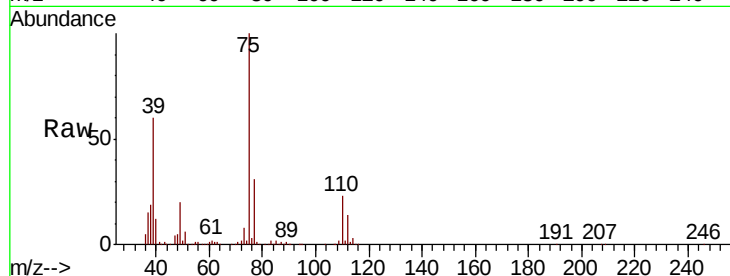




#42
 cis-1,3-Dichloropropene
 Concen: 24.635 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW009432.D
 Acq: 25 Mar 2019 17:15

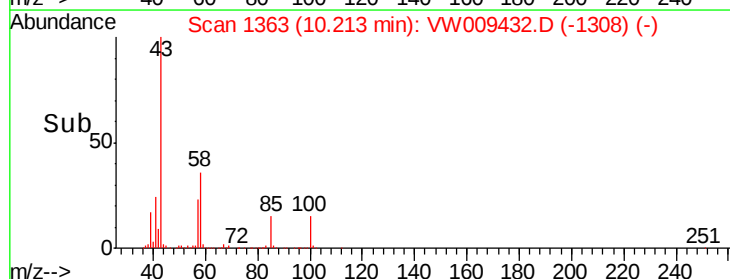
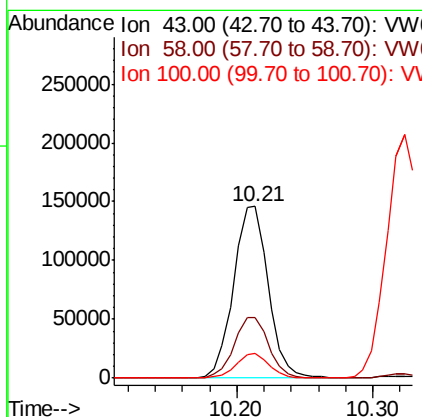
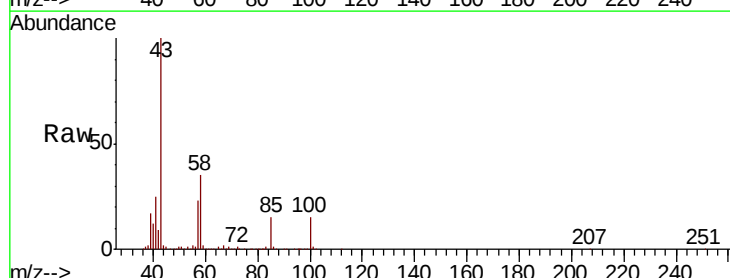
Instrument :
 MSVOA_W
 ClientSampled :

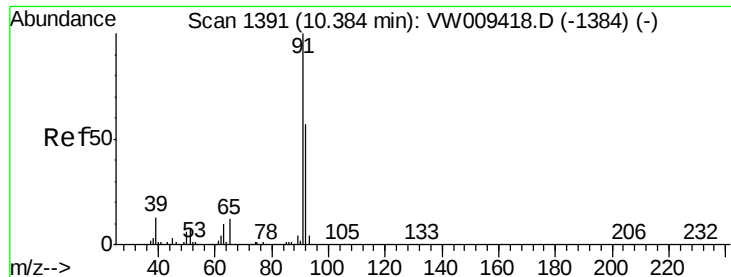
Tot Ion: 75 Resp: 248394
 Ion Ratio Lower Upper
 75 100
 77 31.1 21.6 40.2



#43
 4-Methyl-2-pentanone
 Concen: 46.347 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.01 min
 Lab File: VW009432.D
 Acq: 25 Mar 2019 17:15

Tgt Ion: 43 Resp: 259991
 Ion Ratio Lower Upper
 43 100
 58 35.5 28.2 42.2
 100 13.6 11.4 17.2





#44

Toluene

Concen: 25.320 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW009432.D

Acq: 25 Mar 2019 17:15

Instrument :

MSVOA_W

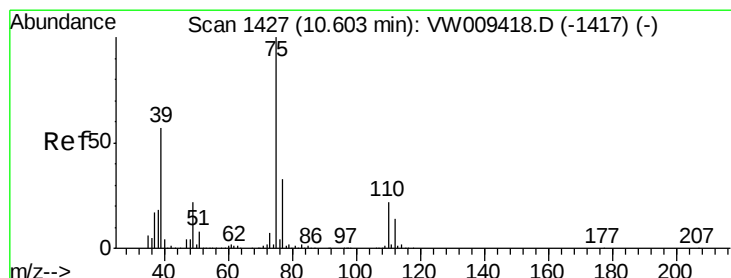
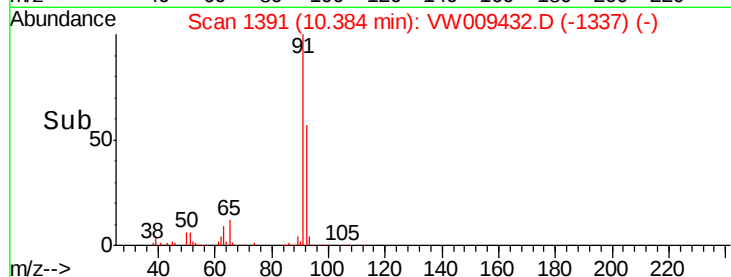
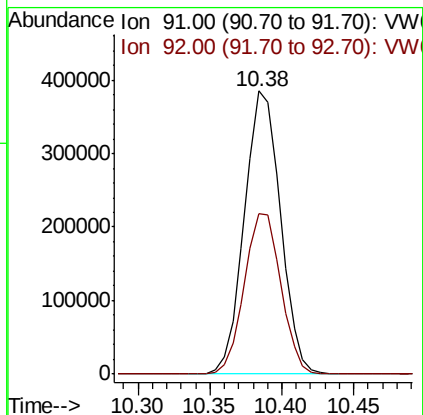
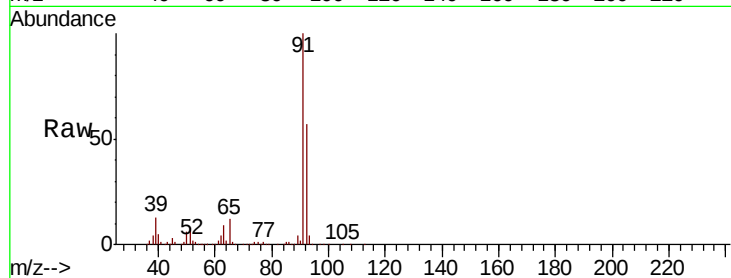
ClientSampled :

Tot Ion: 91 Resp: 667864

Ion Ratio Lower Upper

91 100

92 56.8 39.8 73.8



#45

trans-1,3-Dichloropropene

Concen: 25.030 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW009432.D

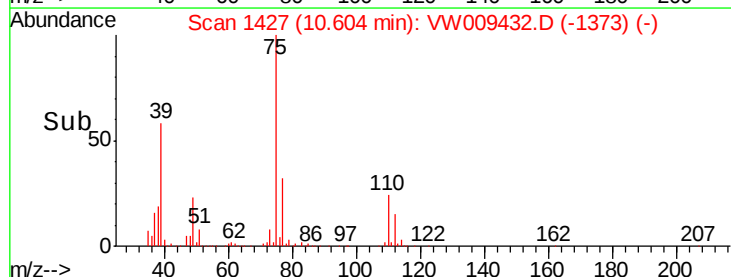
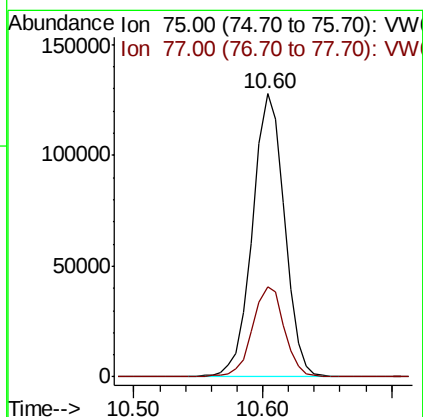
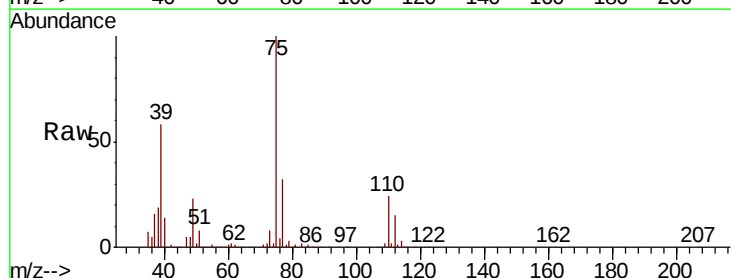
Acq: 25 Mar 2019 17:15

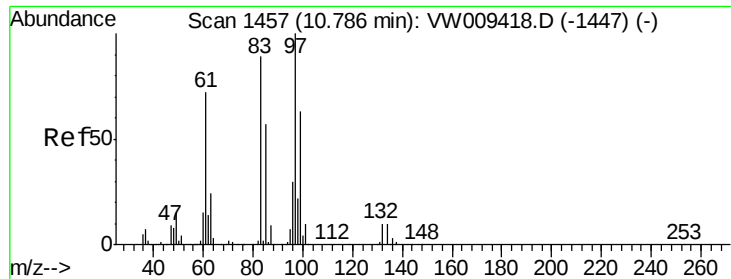
Tgt Ion: 75 Resp: 219539

Ion Ratio Lower Upper

75 100

77 31.8 22.5 41.7





#46

1,1,2-Trichloroethane

Concen: 24.077 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW009432.D

Acq: 25 Mar 2019 17:15

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 97 Resp: 118910

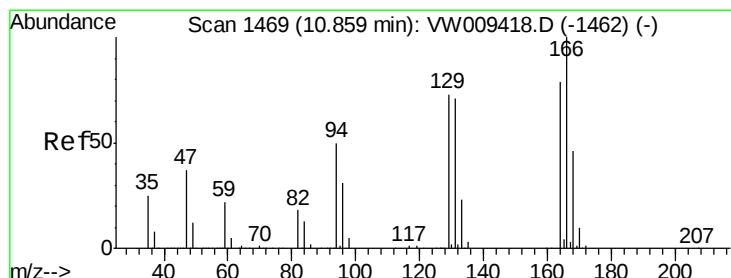
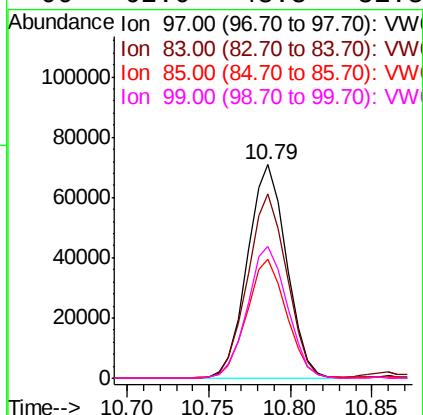
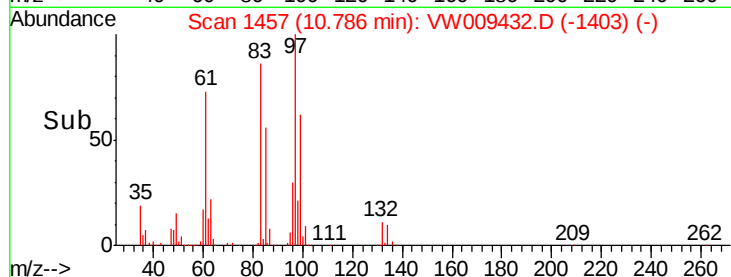
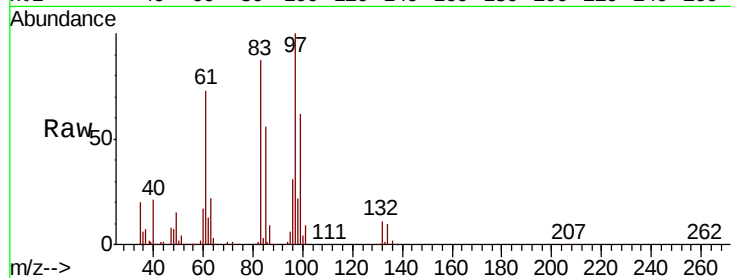
Ion	Ratio	Lower	Upper
97	100		
83	86.5	60.7	112.7
85	55.9	40.1	74.5
99	62.0	43.8	81.3

97 100

83 86.5 60.7 112.7

85 55.9 40.1 74.5

99 62.0 43.8 81.3



#47

Tetrachloroethene

Concen: 24.689 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW009432.D

Acq: 25 Mar 2019 17:15

Tgt Ion: 164 Resp: 134104

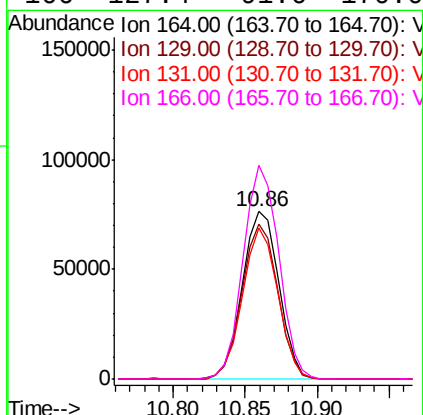
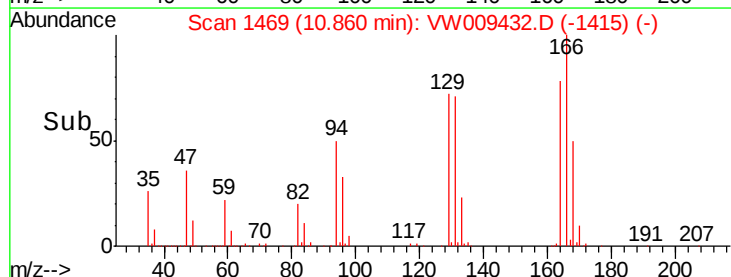
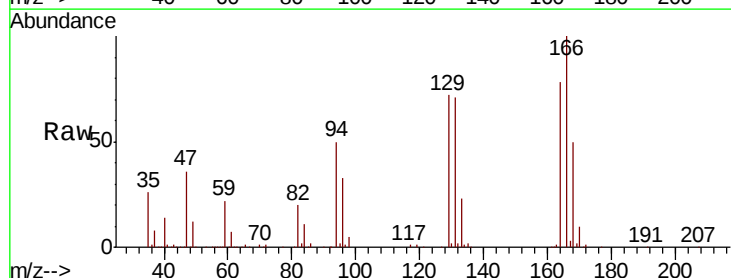
Ion	Ratio	Lower	Upper
164	100		
129	92.2	66.5	123.5
131	90.2	62.6	116.3
166	127.4	91.6	170.0

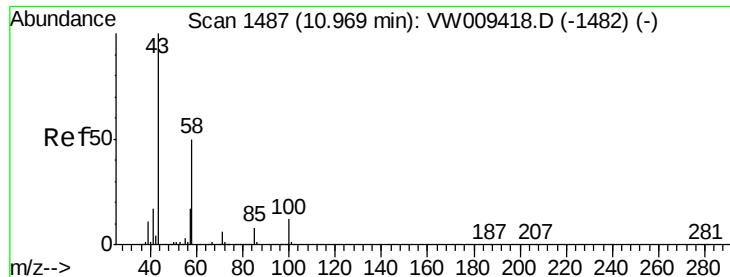
164 100

129 92.2 66.5 123.5

131 90.2 62.6 116.3

166 127.4 91.6 170.0





#49

2-Hexanone

Concen: 49.190 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW009432.D

Acq: 25 Mar 2019 17:15

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 194348

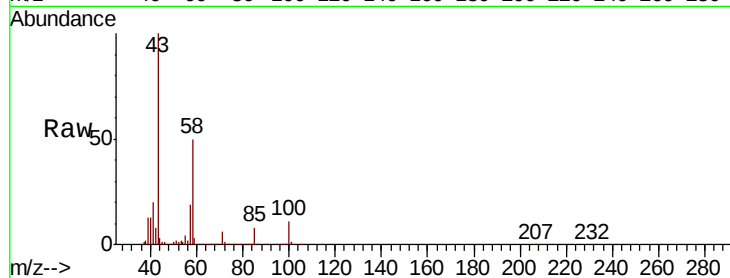
Ion Ratio Lower Upper

43 100

58 50.2 39.2 58.8

57 17.9 14.2 21.2

100 11.2 8.9 13.3

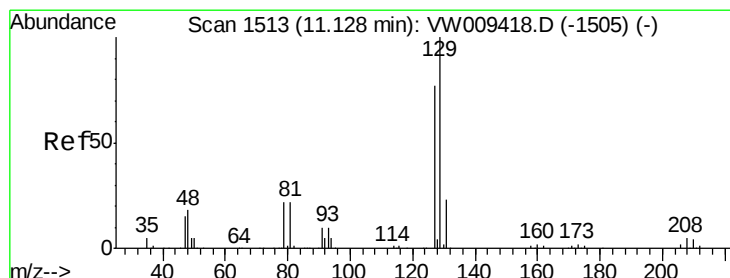
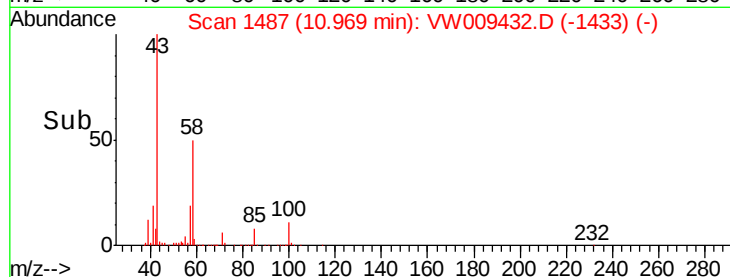
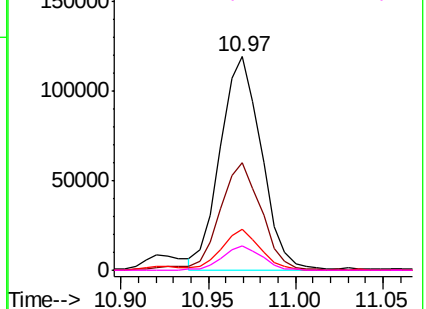


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 24.679 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW009432.D

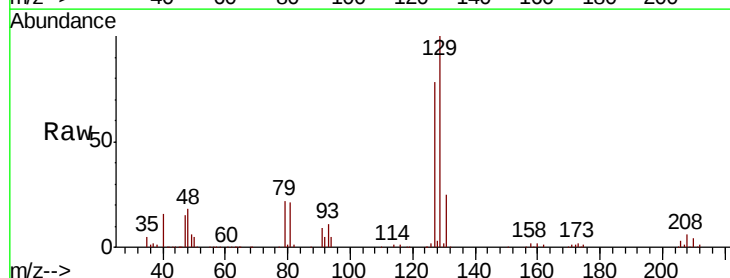
Acq: 25 Mar 2019 17:15

Tgt Ion: 129 Resp: 150463

Ion Ratio Lower Upper

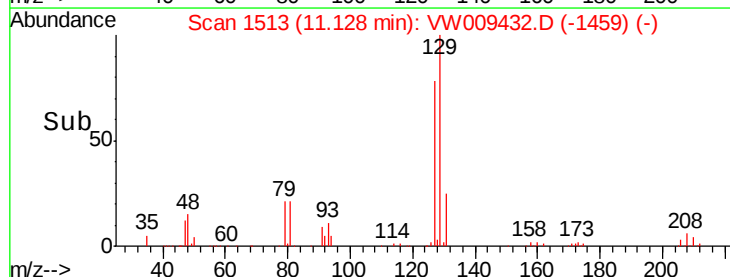
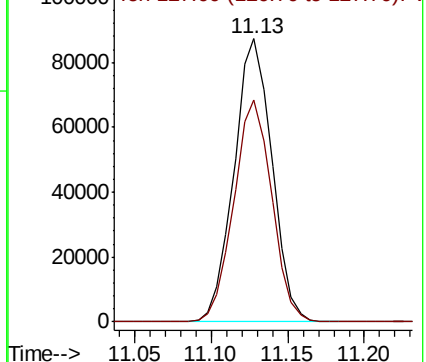
129 100

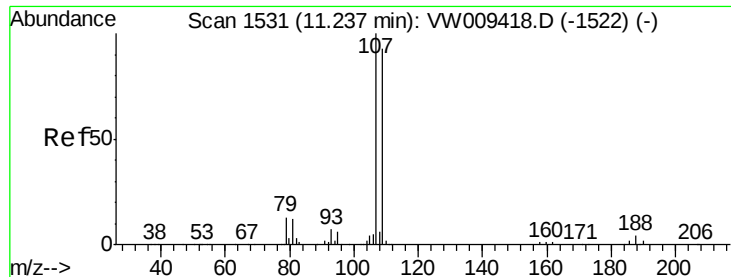
127 78.3 56.8 105.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

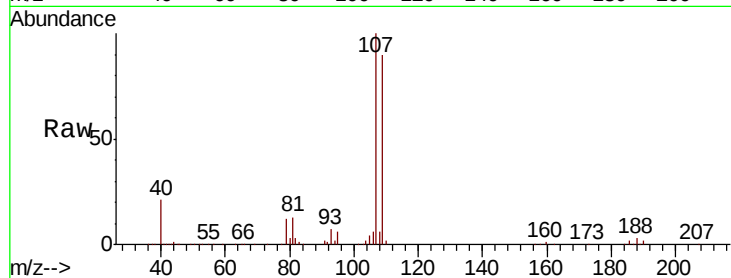




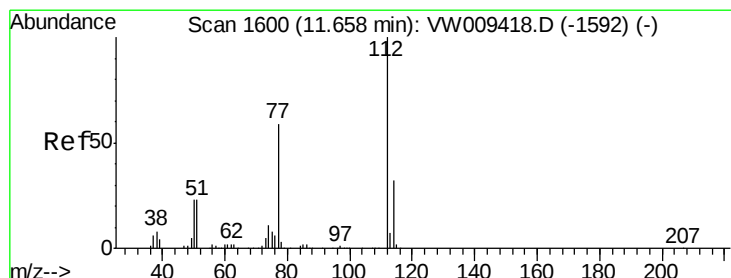
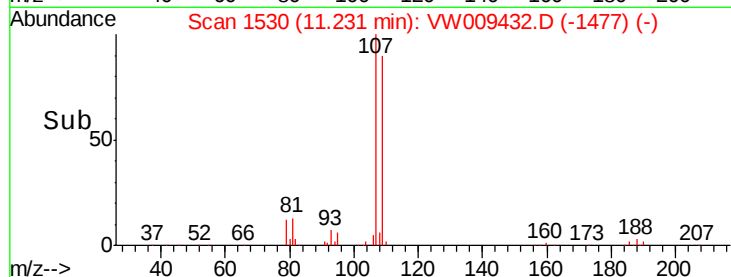
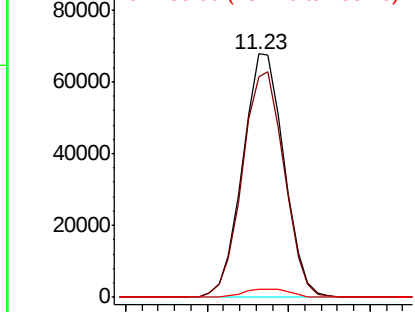
#51
1,2-Dibromoethane
Concen: 23.974 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.01 min
Lab File: VW009432.D
Acq: 25 Mar 2019 17:15

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	90.5	68.0	126.4
188	3.5	3.5	5.3#

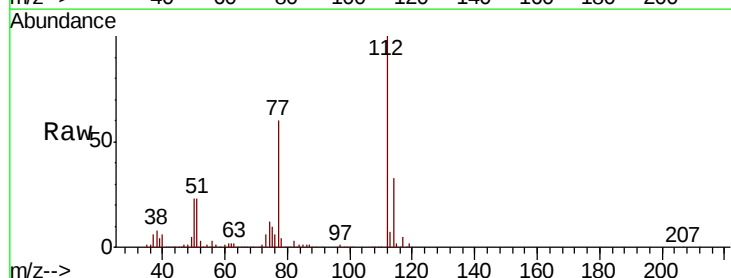


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

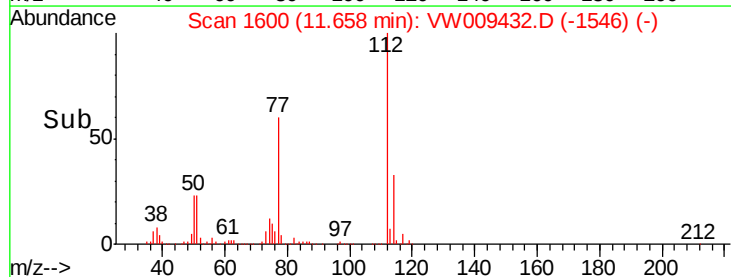
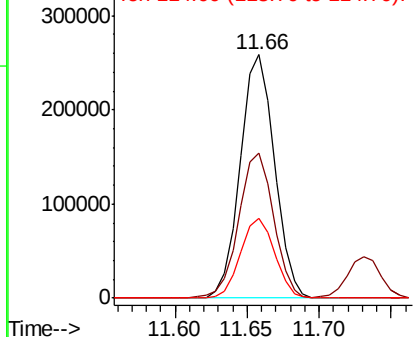


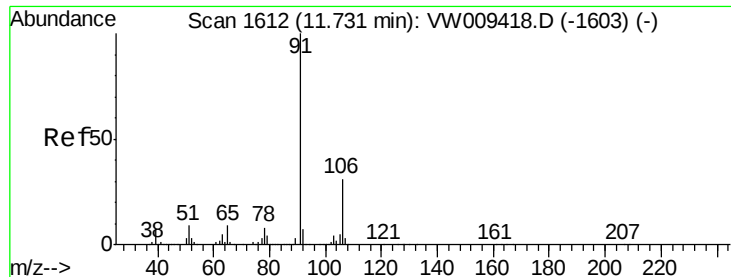
#52
Chlorobenzene
Concen: 25.230 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW009432.D
Acq: 25 Mar 2019 17:15

Tgt Ion	Ratio	Lower	Upper
112	100		
77	59.7	45.7	68.5
114	32.7	22.8	42.4



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 77.00 (76.70 to 77.70): V
Ion 114.00 (113.70 to 114.70): V

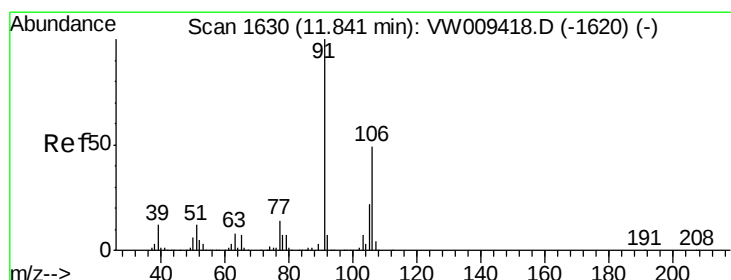
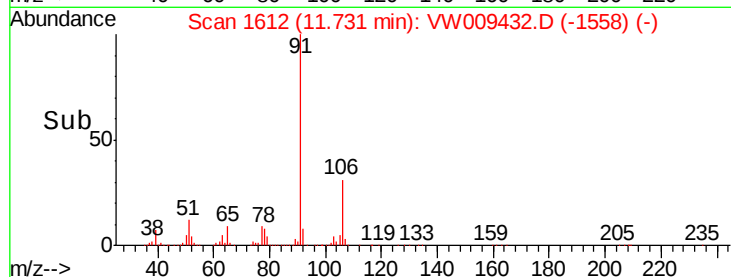
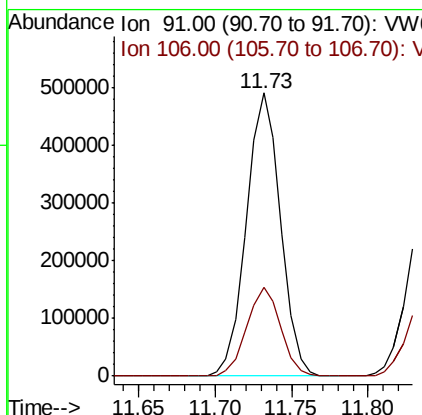
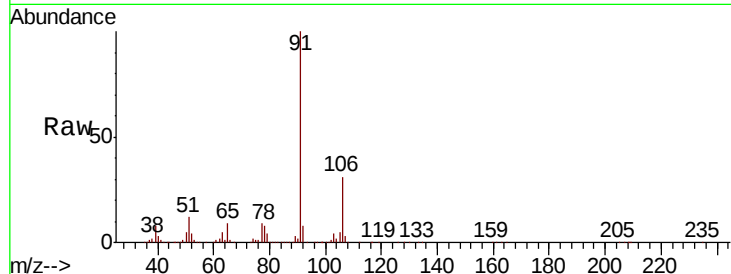




#53
Ethylbenzene
Concen: 25.708 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009432.D
Acq: 25 Mar 2019 17:15

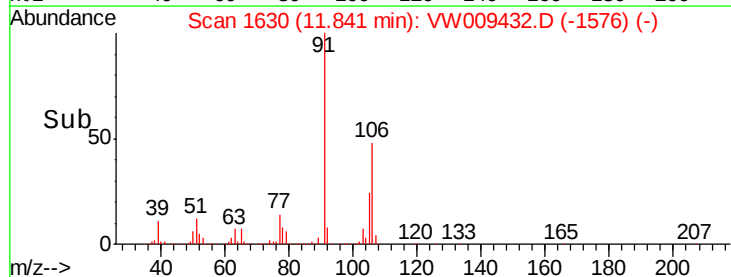
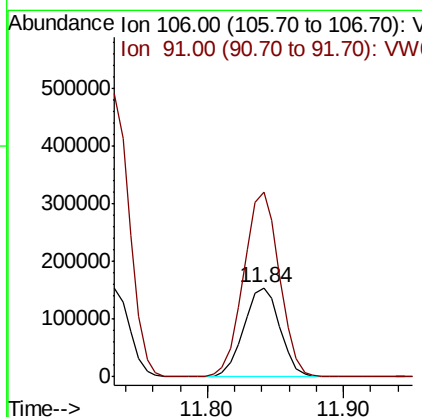
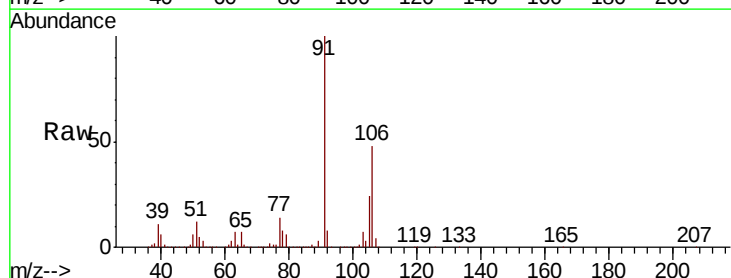
Instrument :
MSVOA_W
ClientSampled :

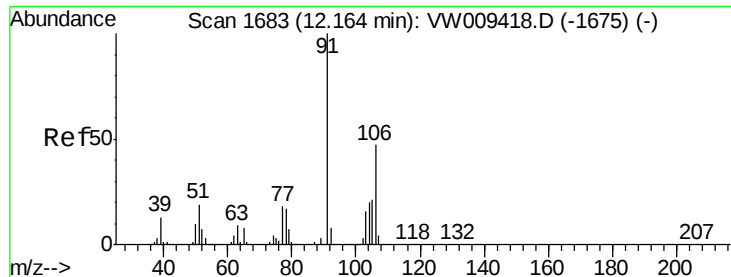
Tot Ion: 91 Resp: 762367
Ion Ratio Lower Upper
91 100
106 31.2 21.0 39.0



#54
m,p-Xylene
Concen: 25.426 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW009432.D
Acq: 25 Mar 2019 17:15

Tgt Ion: 106 Resp: 286463
Ion Ratio Lower Upper
106 100
91 206.5 138.4 257.0





#55

o-xylene

Concen: 25.287 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW009432.D

Acq: 25 Mar 2019 17:15

Instrument :

MSVOA_W

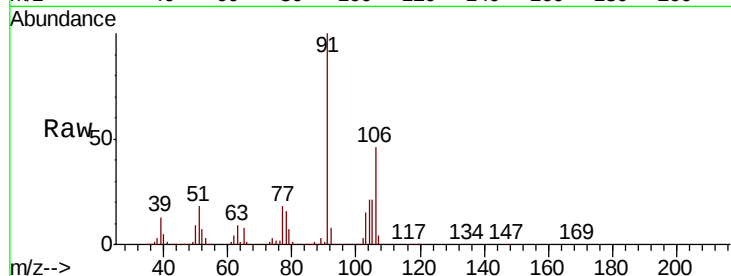
ClientSampled :

Tot Ion:106 Resp: 277932

Ion Ratio Lower Upper

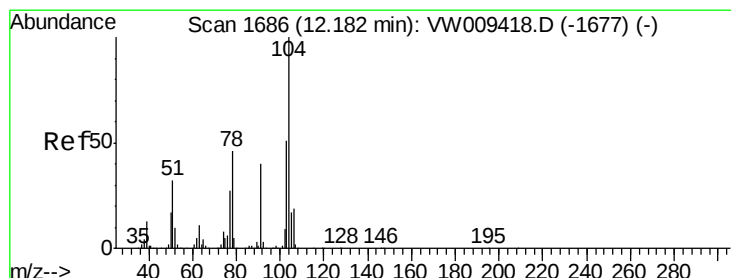
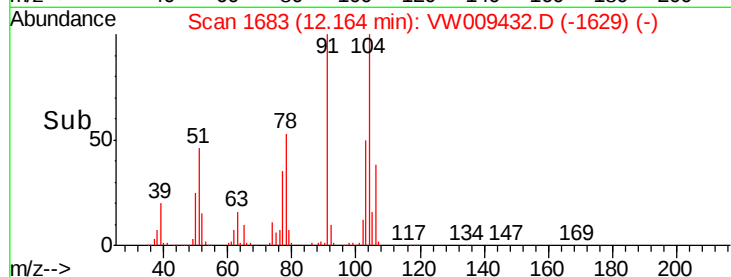
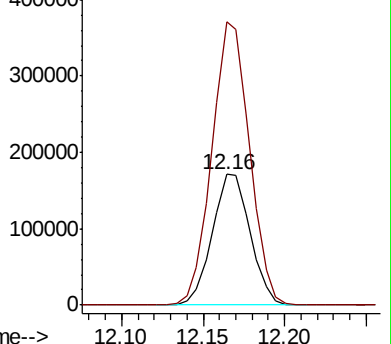
106 100

91 216.9 153.2 284.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 26.051 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW009432.D

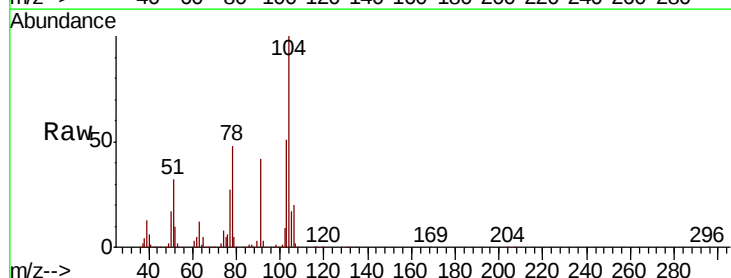
Acq: 25 Mar 2019 17:15

Tgt Ion:104 Resp: 488535

Ion Ratio Lower Upper

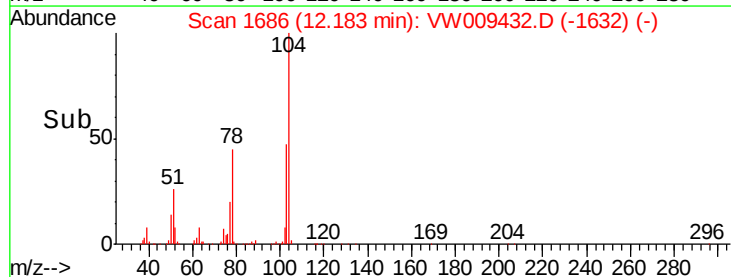
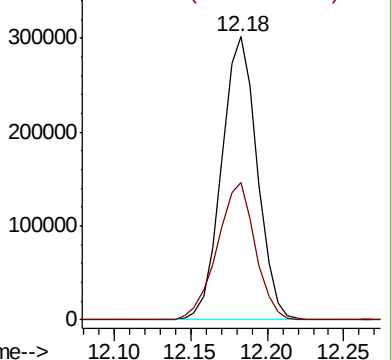
104 100

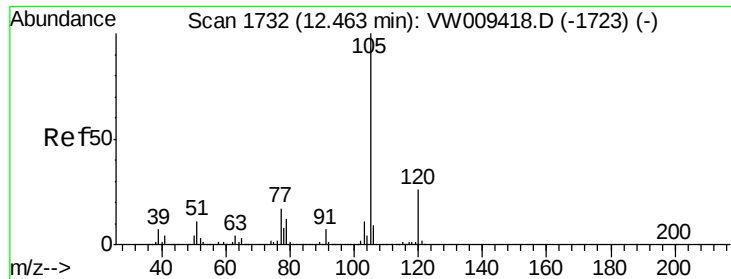
78 48.4 30.9 57.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 26.005 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW009432.D

Acq: 25 Mar 2019 17:15

Instrument :

MSVOA_W

ClientSampleId :

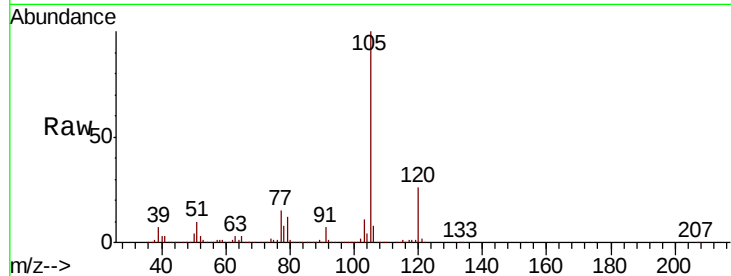
Tot Ion:105 Resp: 765684

Ion Ratio Lower Upper

105 100

120 26.3 21.3 31.9

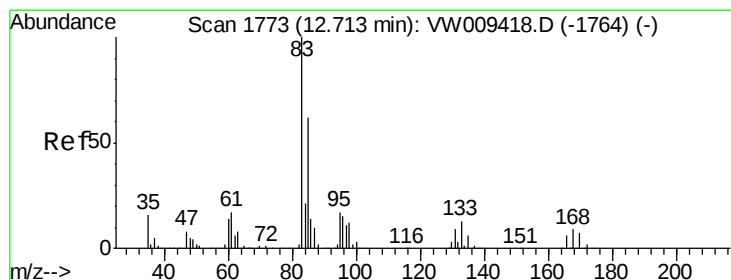
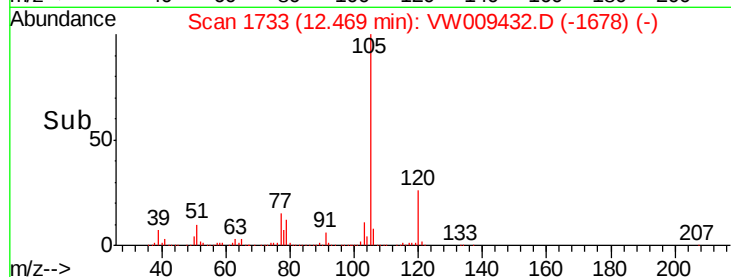
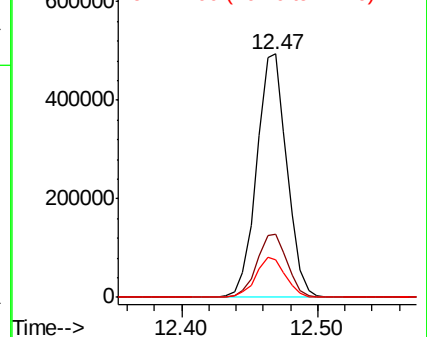
77 16.2 13.1 19.7



Abundance Ion 105.00 (104.70 to 105.70): VW

Ion 120.00 (119.70 to 120.70): VW

Ion 77.00 (76.70 to 77.70): VW



#58

1,1,2,2-Tetrachloroethane

Concen: 25.115 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW009432.D

Acq: 25 Mar 2019 17:15

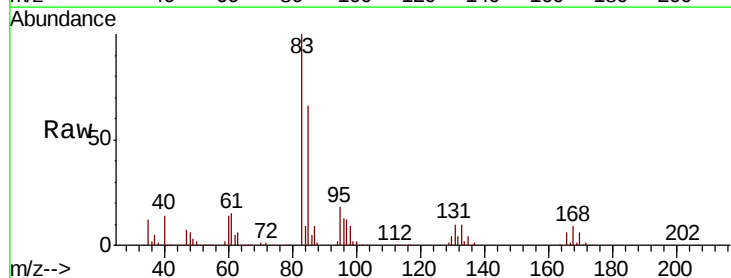
Tgt Ion: 83 Resp: 167337

Ion Ratio Lower Upper

83 100

85 66.1 45.6 84.8

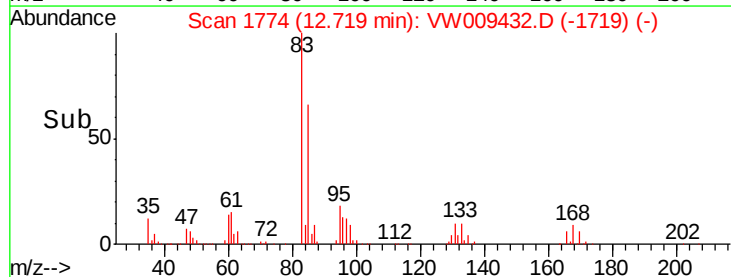
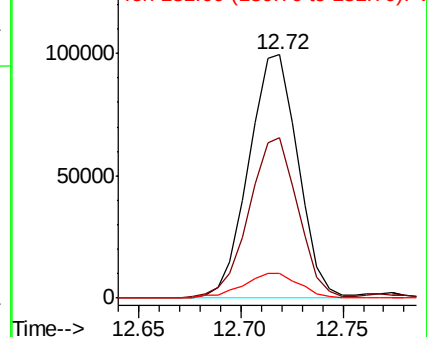
131 10.0 9.2 13.8

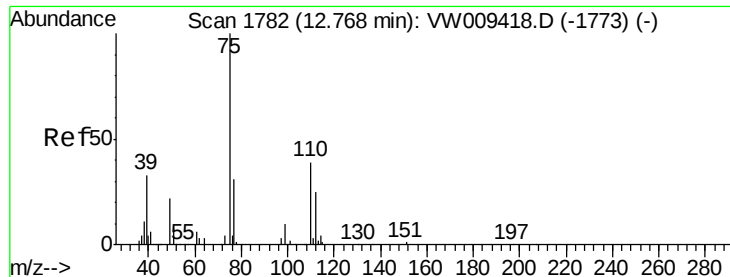


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): VW





#59

1,2,3-Trichloropropane

Concen: 25.100 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW009432.D

Acq: 25 Mar 2019 17:15

Instrument :

MSVOA_W

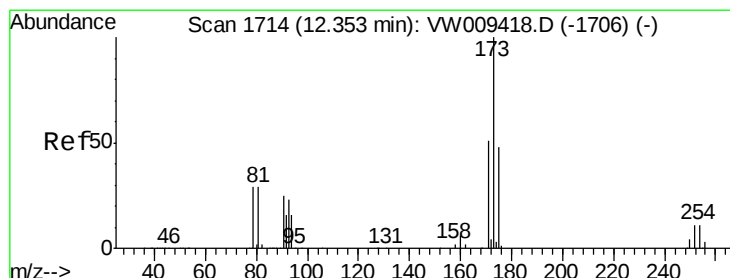
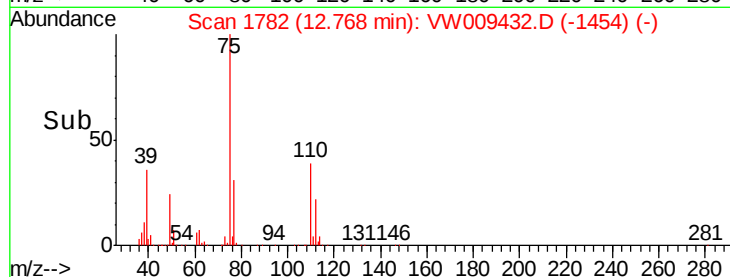
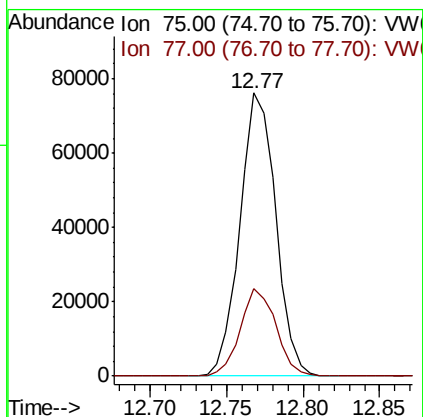
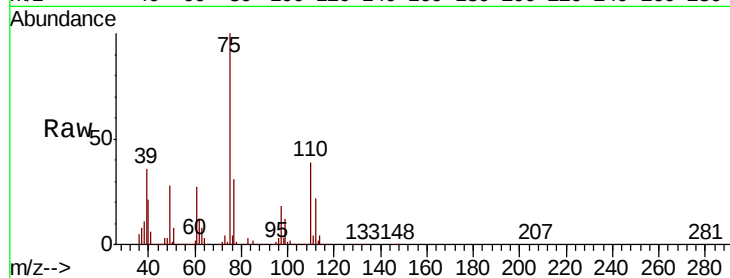
ClientSampleId :

Tot Ion: 75 Resp: 124112

Ion Ratio Lower Upper

75 100

77 30.9 26.2 39.2



#62

Bromoform

Concen: 24.258 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW009432.D

Acq: 25 Mar 2019 17:15

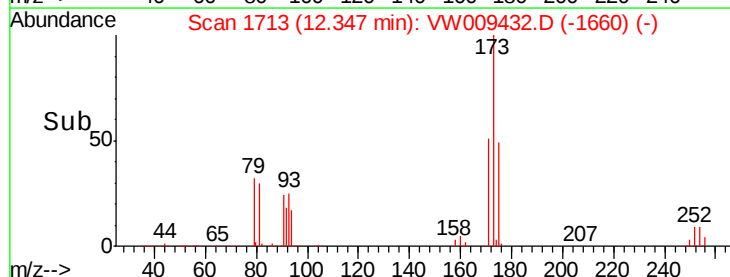
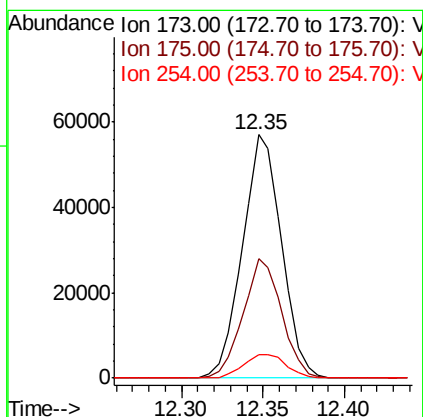
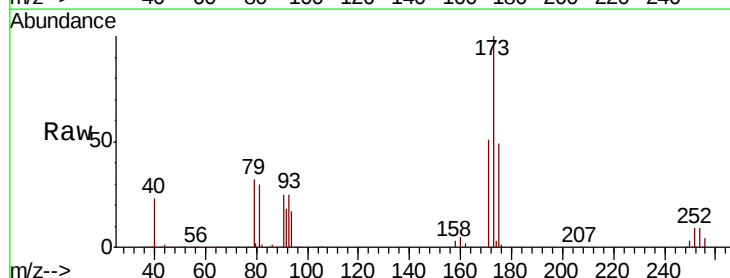
Tgt Ion: 173 Resp: 95159

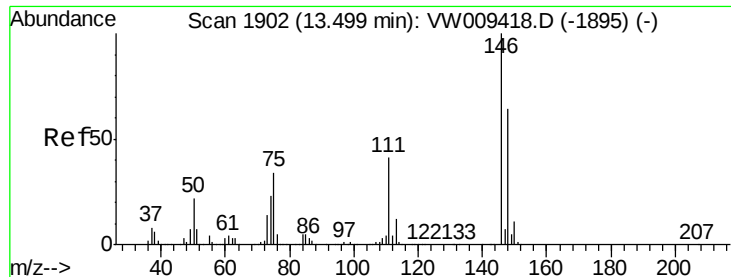
Ion Ratio Lower Upper

173 100

175 48.2 39.7 59.5

254 10.4 8.5 12.7

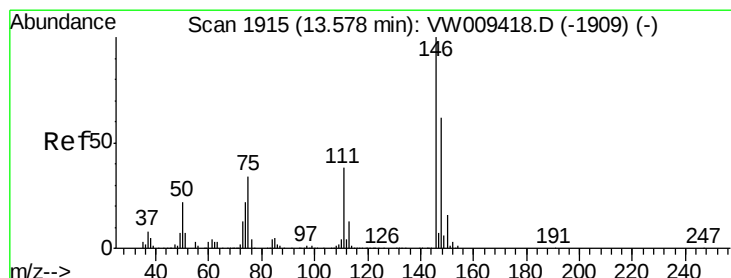
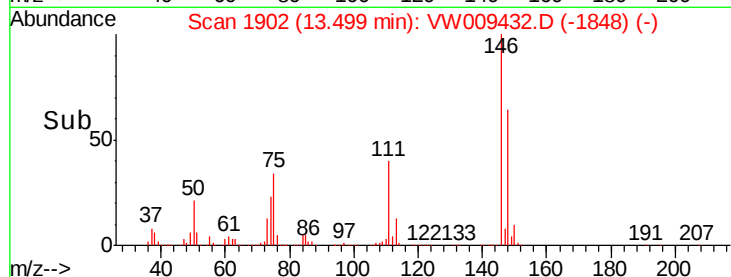
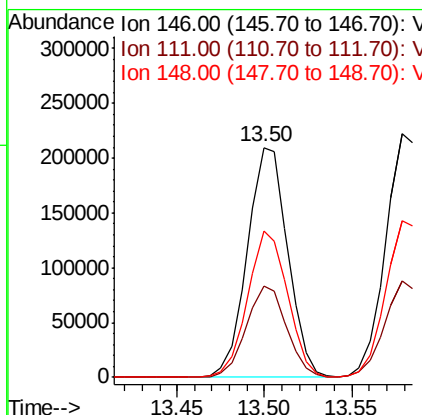
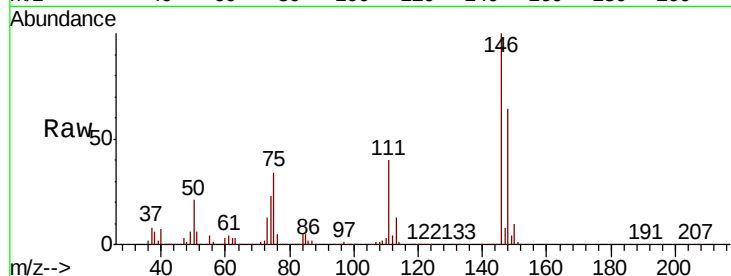




#63
 1,3-Dichlorobenzene
 Concen: 24.312 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW009432.D
 Acq: 25 Mar 2019 17:15

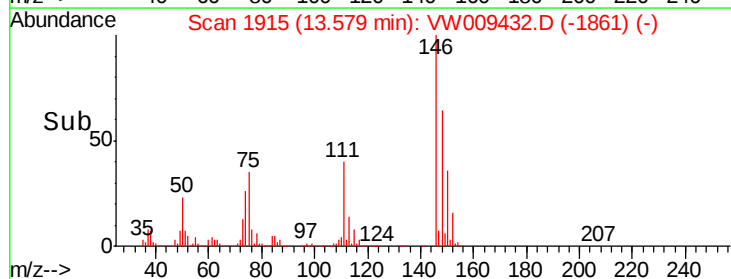
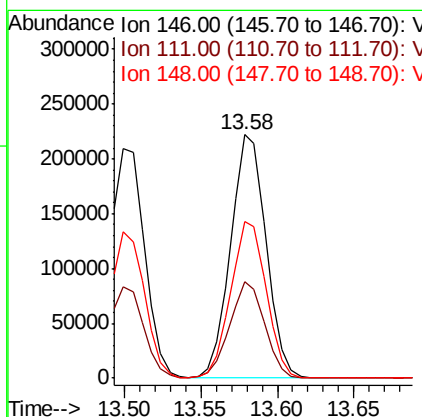
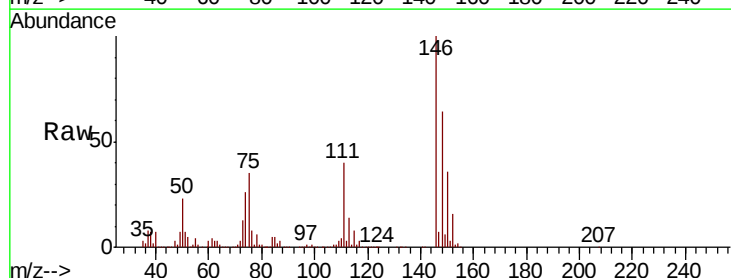
Instrument :
 MSVOA_W
 ClientSampleId :

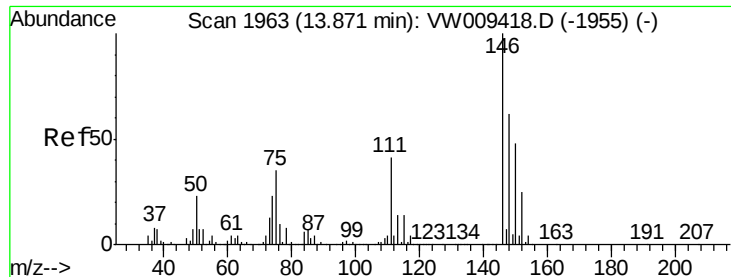
Tot Ion:146 Resp: 336410
 Ion Ratio Lower Upper
 146 100
 111 39.8 26.9 49.9
 148 63.6 45.1 83.7



#64
 1,4-Dichlorobenzene
 Concen: 24.889 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW009432.D
 Acq: 25 Mar 2019 17:15

Tgt Ion:146 Resp: 356056
 Ion Ratio Lower Upper
 146 100
 111 39.8 27.8 51.6
 148 64.4 46.3 86.1





#65

1,2-Dichlorobenzene

Concen: 25.143 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW009432.D

Acq: 25 Mar 2019 17:15

Instrument :

MSVOA_W

ClientSampleId :

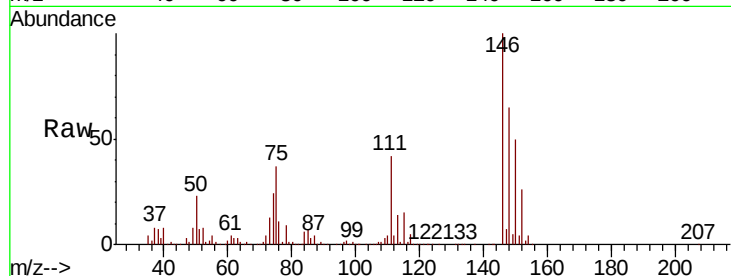
Tot Ion:146 Resp: 331794

Ion Ratio Lower Upper

146 100

111 42.2 33.5 50.3

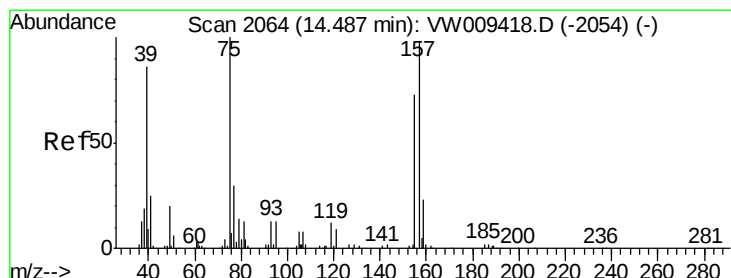
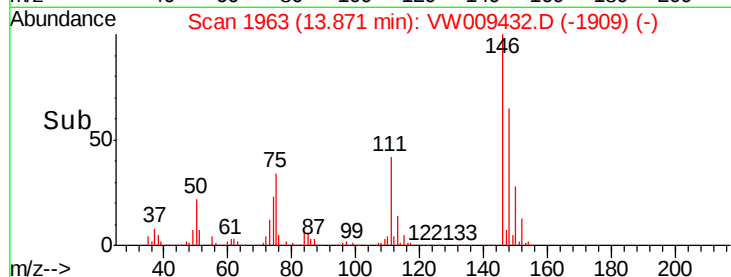
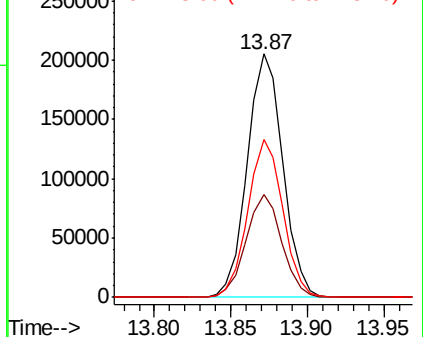
148 64.8 50.2 75.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 23.155 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW009432.D

Acq: 25 Mar 2019 17:15

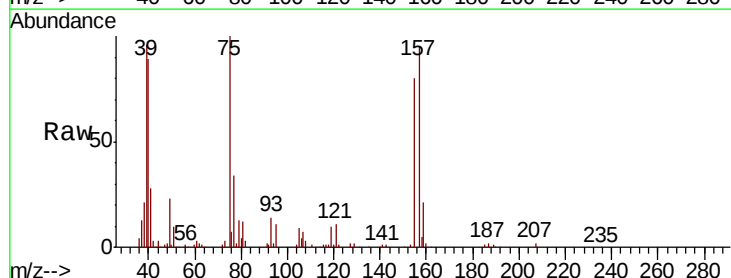
Tgt Ion: 75 Resp: 29946

Ion Ratio Lower Upper

75 100

157 94.9 89.0 133.4

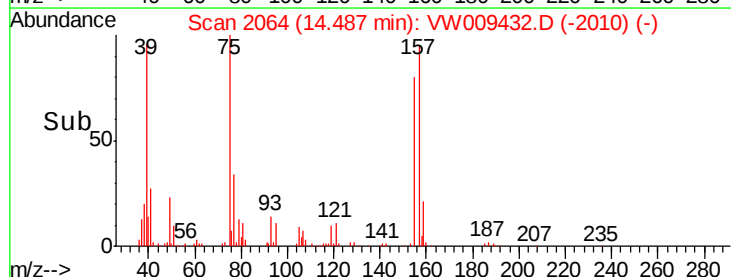
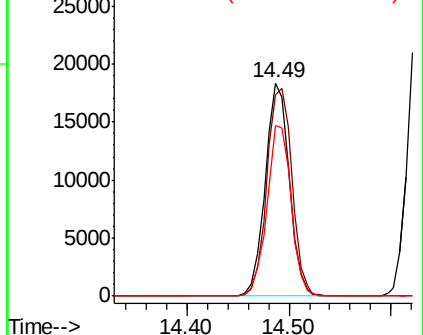
155 79.9 64.2 96.2

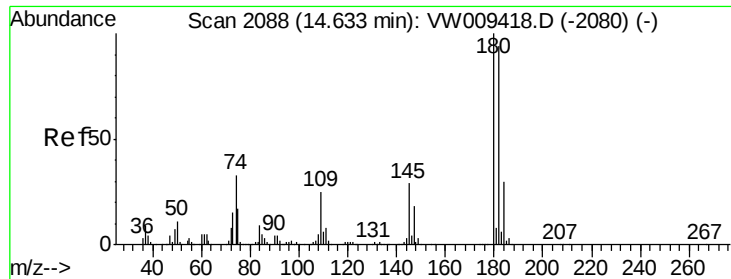


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

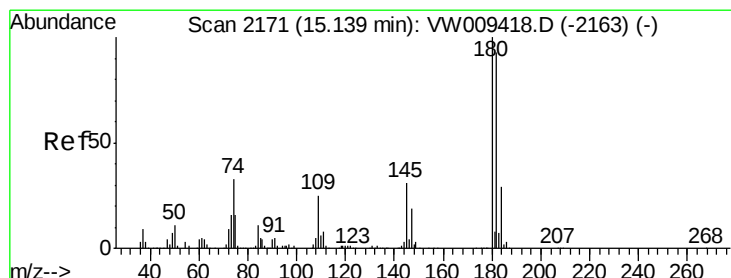
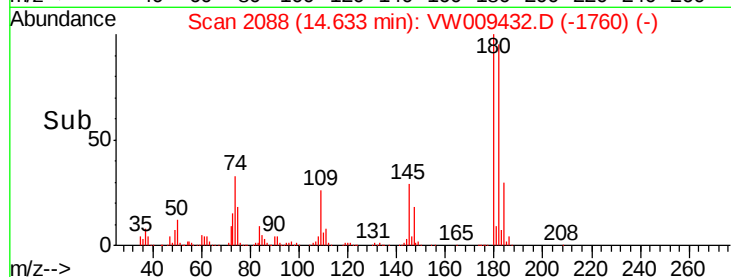
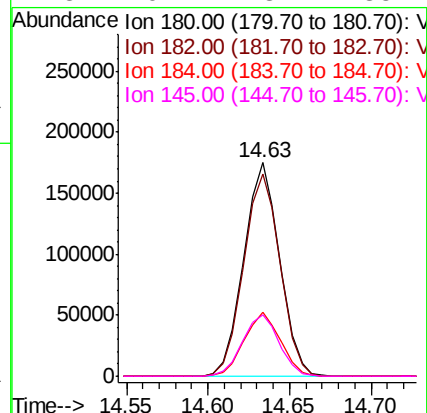
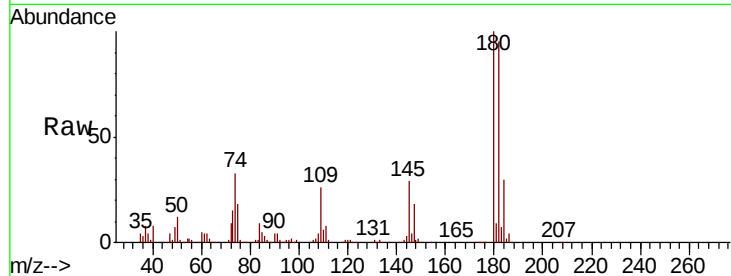




#67
 1,3,5-Trichlorobenzene
 Concen: 24.850 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW009432.D
 Acq: 25 Mar 2019 17:15

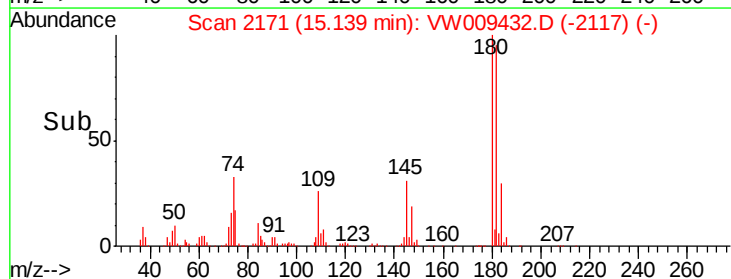
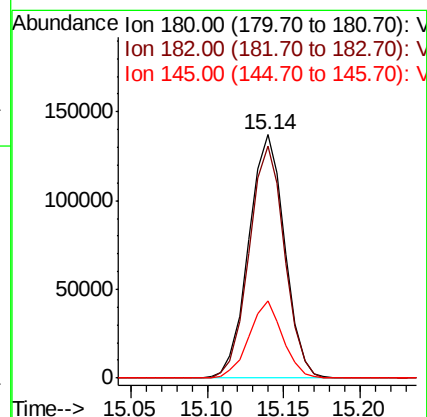
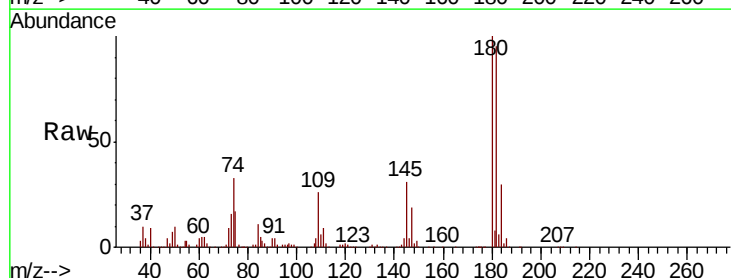
Instrument :
 MSVOA_W
 ClientSampleId :

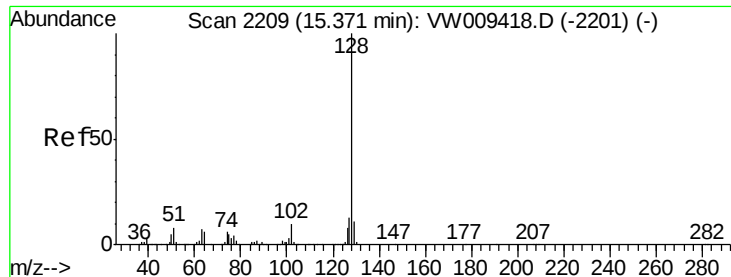
Tot Ion:	180	Resp:	268196
Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.1	114.1
184	30.2	23.8	35.6
145	29.4	23.4	35.2



#68
 1,2,4-trichlorobenzene
 Concen: 24.699 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW009432.D
 Acq: 25 Mar 2019 17:15

Tgt Ion:	180	Resp:	223912
Ion	Ratio	Lower	Upper
180	100		
182	94.1	75.5	113.3
145	29.7	24.1	36.1





#69

Naphthalene

Concen: 24.849 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW009432.D

Acq: 25 Mar 2019 17:15

Instrument :

MSVOA_W

ClientSampleId :

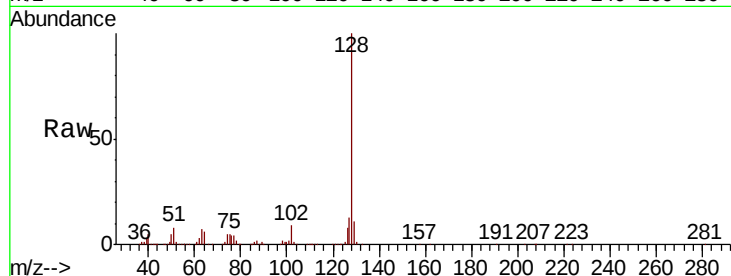
Tot Ion:128 Resp: 467042

Ion Ratio Lower Upper

128 100

129 10.7 8.7 13.1

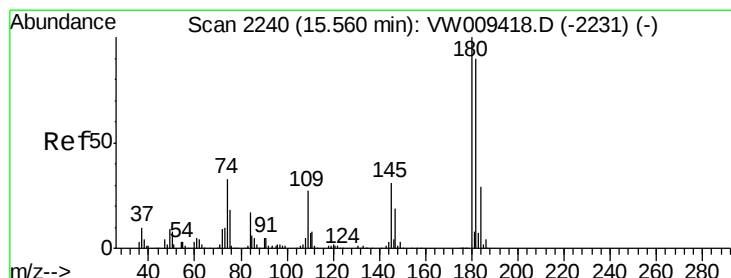
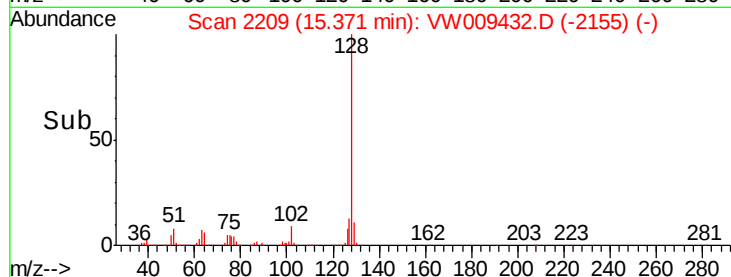
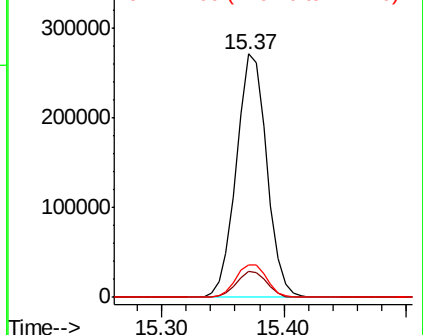
127 13.8 11.1 16.7



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: 25.164 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW009432.D

Acq: 25 Mar 2019 17:15

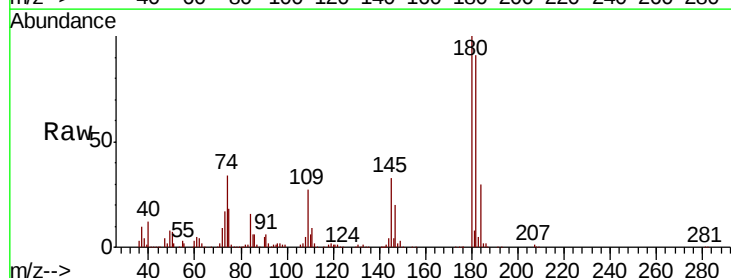
Tgt Ion:180 Resp: 213668

Ion Ratio Lower Upper

180 100

182 94.6 77.2 115.8

145 32.1 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

