

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110619\
 Data File : VW013915.D
 Acq On : 06 Nov 2019 09:33
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 07 00:52:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110119S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 05 09:54:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	290941	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	272283	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	162195	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	95646	21.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.52%
7) Chloroethane-d5	2.89	69	81467	22.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.08%
10) 1,1-Dichloroethene-d2	4.02	63	205169	22.25	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	89.00%
20) 2-Butanone-d5	7.07	46	66067	40.56	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	81.12%
24) Chloroform-d	7.65	84	207724	22.66	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.64%
26) 1,2-Dichloroethane-d4	8.31	65	104357	21.15	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	84.60%
29) Benzene-d6	8.27	84	419995	23.03	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.12%
33) 1,2-Dichloropropane-d6	9.27	67	126538	22.92	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.68%
37) Toluene-d8	10.32	98	389815	22.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.12%
38) trans-1,3-Dichloropropene-	10.58	79	53925	21.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.56%
39) 2-Hexanone-d5	10.92	63	53574	42.71	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.42%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	106323	21.77	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	87.08%
61) 1,2-Dichlorobenzene-d4	13.85	152	144622	22.53	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.12%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	73547	23.519	ug/L 95
3) Chloromethane	2.21	50	82664	23.049	ug/L 98
5) Vinyl chloride	2.37	62	129049	25.193	ug/L 98
6) Bromomethane	2.78	94	76672	23.796	ug/L 96
8) Chloroethane	2.92	64	75032	25.802	ug/L 99
9) Trichlorofluoromethane	3.26	101	77056	29.530	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	126397	25.240	ug/L 98
12) 1,1-Dichloroethene	4.04	96	124001	24.696	ug/L 82
13) Acetone	4.12	43	58614	36.944	ug/L 97
14) Carbon disulfide	4.39	76	369315	25.735	ug/L 99
16) Methylene chloride	4.92	84	123525	22.707	ug/L 99
17) Methyl tert-butyl Ether	5.42	73	149936	23.605	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	127421	24.350	ug/L 97
19) 1,1-Dichloroethane	6.21	63	218586	24.603	ug/L 100
21) 2-Butanone	7.17	43	79688	36.592	ug/L 98
22) cis-1,2-Dichloroethene	7.17	96	133145	24.195	ug/L 98
23) Bromochloromethane	7.51	128	58877	22.754	ug/L 94

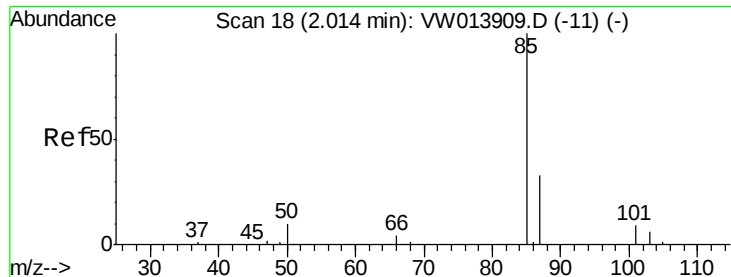
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110619\
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 Quant Title : VOC Analysis
 QLast Update : Tue Nov 05 09:54:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	7.67	83	214520	24.015	ug/L	98
27) 1,2-Dichloroethane	8.40	62	132168	22.371	ug/L	100
30) Cyclohexane	7.95	56	216397	26.337	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	177595	26.635	ug/L	100
32) Carbon tetrachloride	8.07	117	172090	26.393	ug/L	100
34) Benzene	8.32	78	504041	25.498	ug/L	100
35) Trichloroethene	9.09	95	131268	25.191	ug/L	99
36) Methylcyclohexane	9.34	83	238646	26.092	ug/L	99
40) 1,2-Dichloropropane	9.37	63	120089	24.751	ug/L	99
41) Bromodichloromethane	9.64	83	150384	24.656	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	187747	24.554	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	157959	42.332	ug/L	99
44) Toluene	10.38	91	546918	25.747	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	150561	23.830	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	88944	22.957	ug/L	97
47) Tetrachloroethene	10.86	164	121020	25.226	ug/L	99
49) 2-Hexanone	10.97	43	115160	42.011	ug/L	98
50) Dibromochloromethane	11.13	129	109194	24.279	ug/L	99
51) 1,2-Dibromoethane	11.23	107	86442	22.570	ug/L	96
52) Chlorobenzene	11.66	112	339235	24.763	ug/L	97
53) Ethylbenzene	11.73	91	602532	25.482	ug/L	99
54) m,p-Xylene	11.84	106	231861	25.445	ug/L	95
55) o-xylene	12.16	106	215952	25.072	ug/L	98
56) Styrene	12.18	104	378614	25.472	ug/L	99
57) Isopropylbenzene	12.46	105	596180	25.669	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	107914	22.117	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	79751	21.770	ug/L	100
62) Bromoform	12.35	173	66762	22.639	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	273936	24.388	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	271945	24.153	ug/L	95
65) 1,2-Dichlorobenzene	13.87	146	246218	24.243	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.48	75	16355	20.102	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	210406	24.871	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	164367	23.999	ug/L	97
69) Naphthalene	15.36	128	288777	22.224	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	147050	23.299	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 23.519 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW013915.D

Acq: 06 Nov 2019 09:33

Instrument :

MSVOA_W

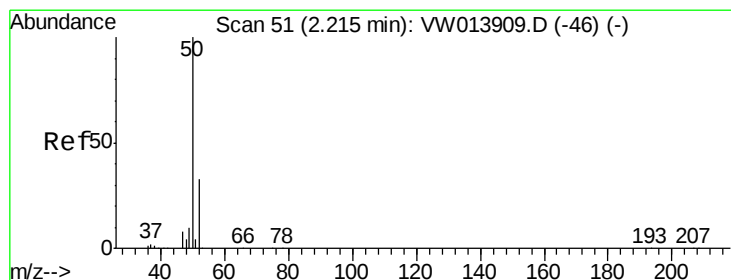
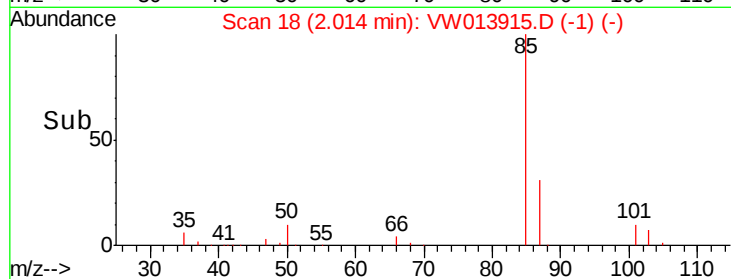
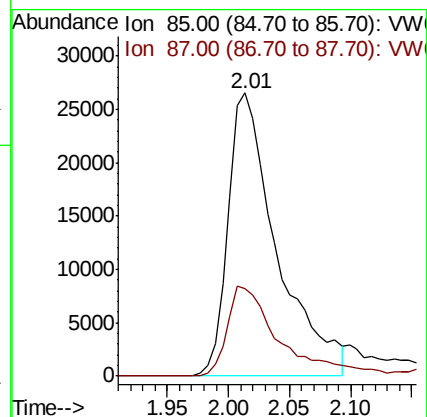
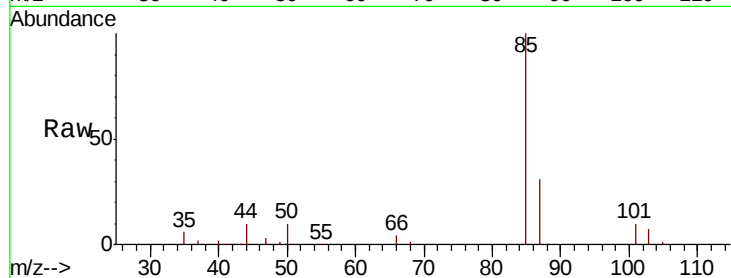
ClientSampled :

Tot Ion: 85 Resp: 73547

Ion Ratio Lower Upper

85 100

87 33.4 21.6 40.2



#3

Chloromethane

Concen: 23.049 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW013915.D

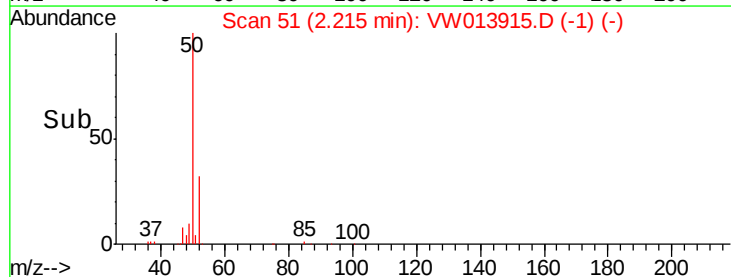
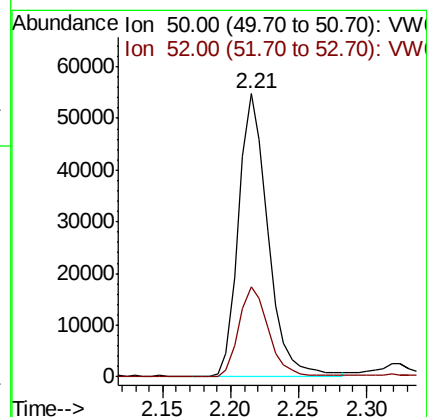
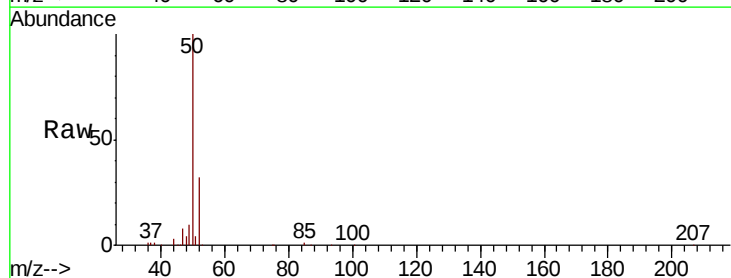
Acq: 06 Nov 2019 09:33

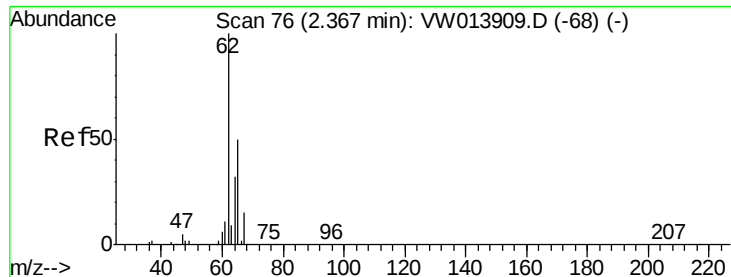
Tgt Ion: 50 Resp: 82664

Ion Ratio Lower Upper

50 100

52 31.8 23.0 42.6





#5

Vinyl chloride

Concen: 25.193 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW013915.D

Acq: 06 Nov 2019 09:33

Instrument :

MSVOA_W

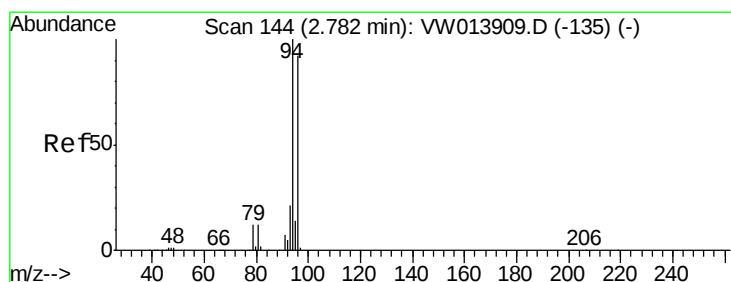
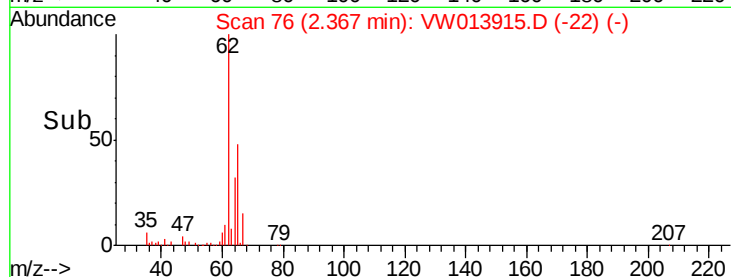
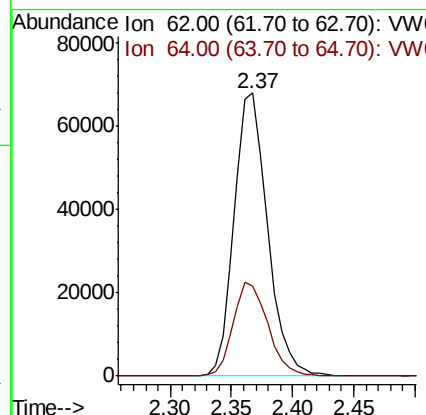
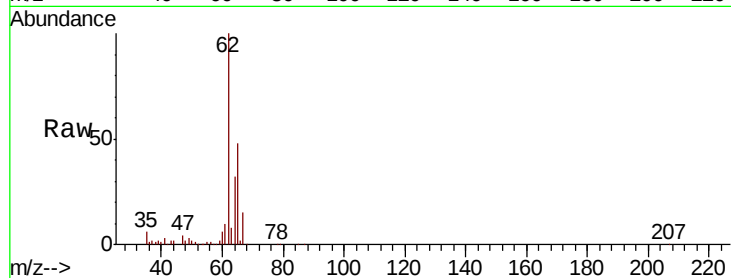
ClientSampleId :

Tot Ion: 62 Resp: 129049

Ion Ratio Lower Upper

62 100

64 31.9 23.3 43.3



#6

Bromomethane

Concen: 23.796 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW013915.D

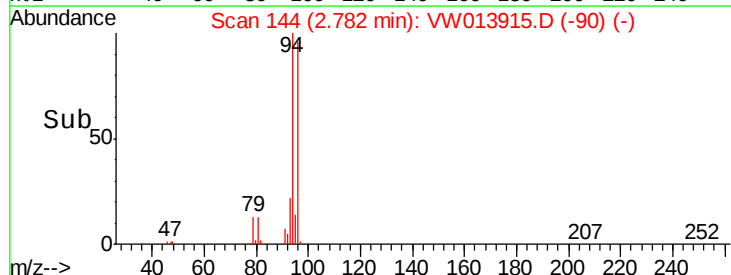
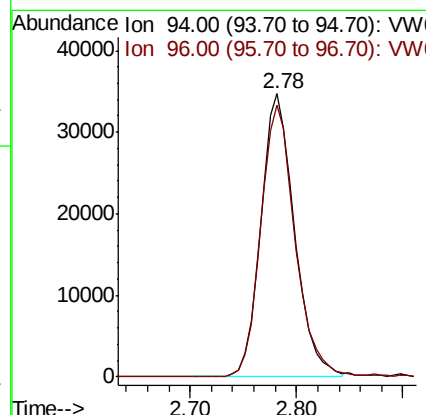
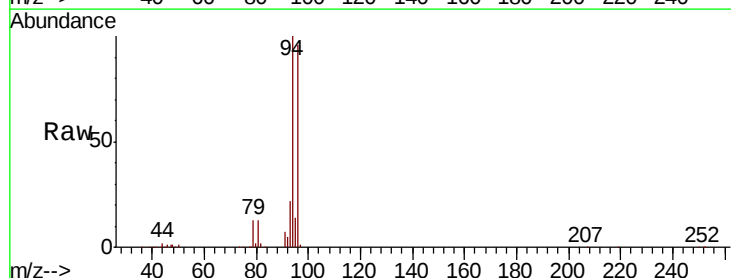
Acq: 06 Nov 2019 09:33

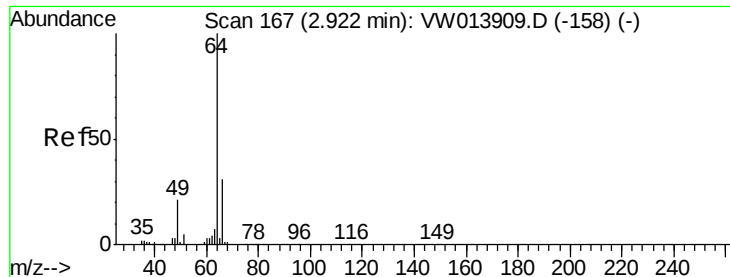
Tgt Ion: 94 Resp: 76672

Ion Ratio Lower Upper

94 100

96 98.3 9.5 179.7





#8

Chloroethane

Concen: 25.802 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW013915.D

Acq: 06 Nov 2019 09:33

Instrument :

MSVOA_W

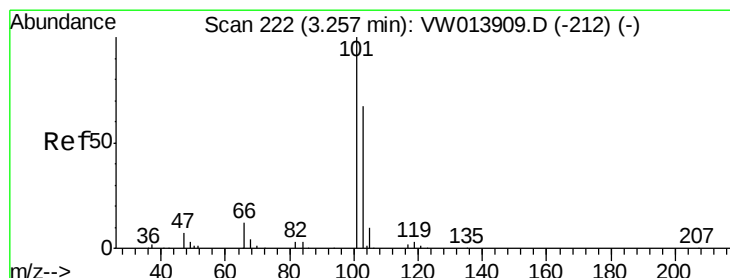
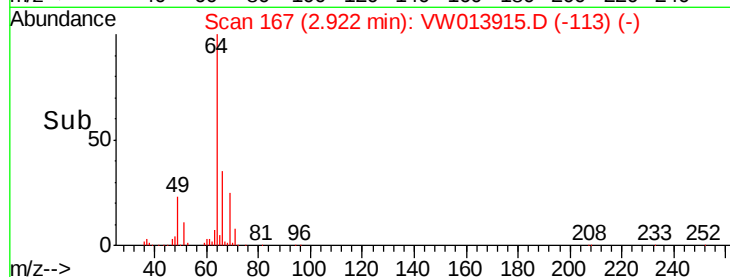
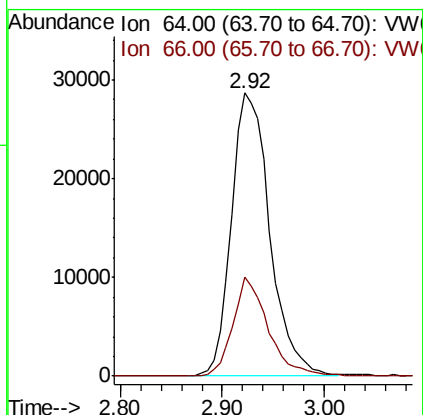
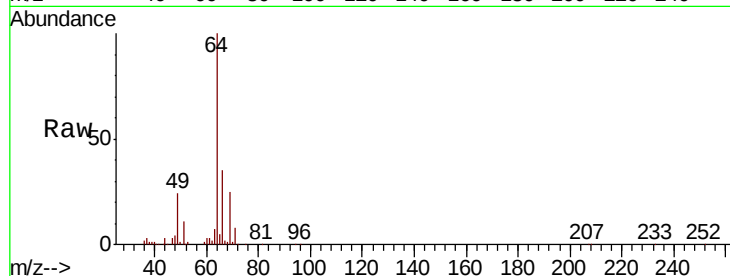
ClientSampleId :

Tot Ion: 64 Resp: 75032

Ion Ratio Lower Upper

64 100

66 35.0 24.1 44.7



#9

Trichlorofluoromethane

Concen: 29.530 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW013915.D

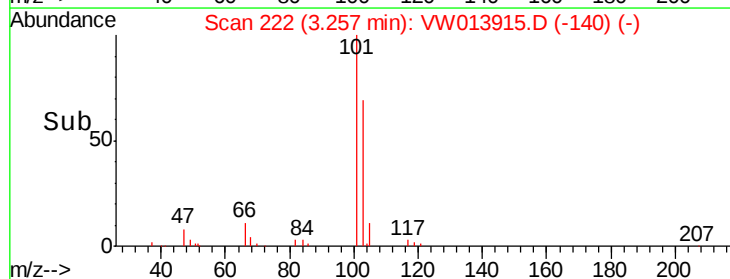
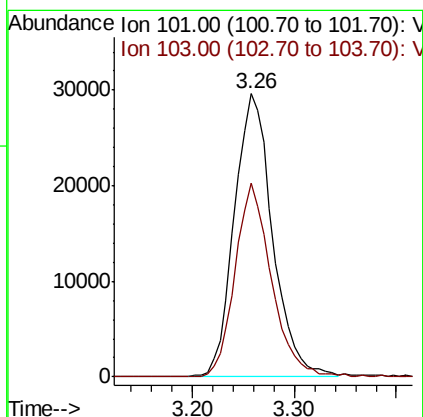
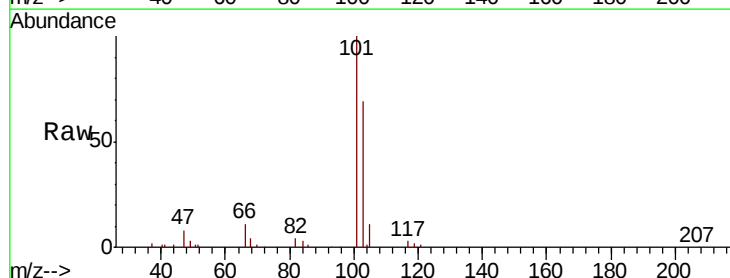
Acq: 06 Nov 2019 09:33

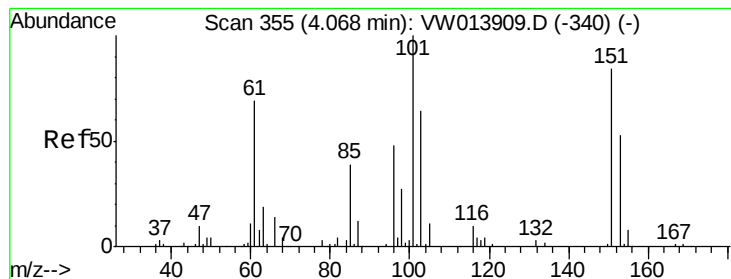
Tgt Ion: 101 Resp: 77056

Ion Ratio Lower Upper

101 100

103 64.4 44.9 83.3





#11

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

Concen: 25.240 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW013915.D

Acq: 06 Nov 2019 09:33

Instrument :

MSVOA_W

ClientSampleId :

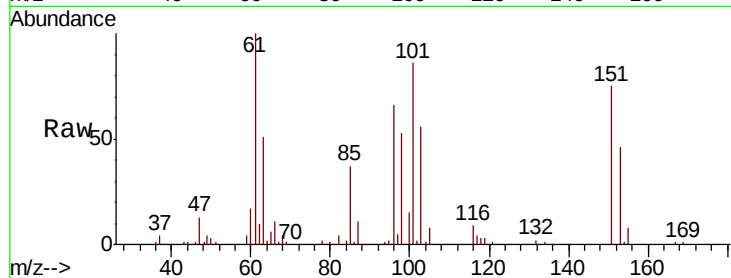
Tot Ion:101 Resp: 126397

Ion Ratio Lower Upper

101 100

85 39.8 30.9 46.3

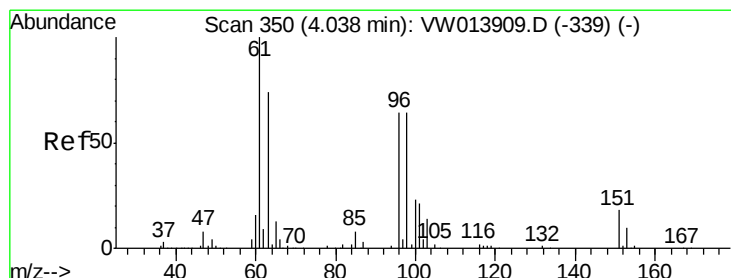
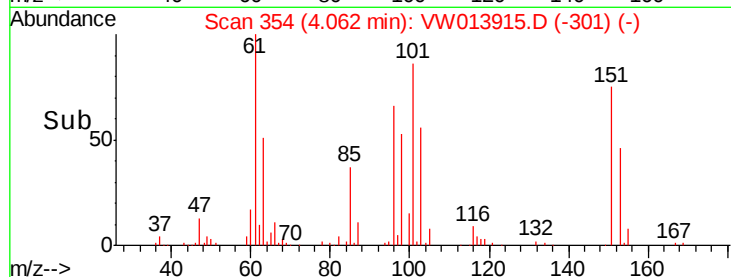
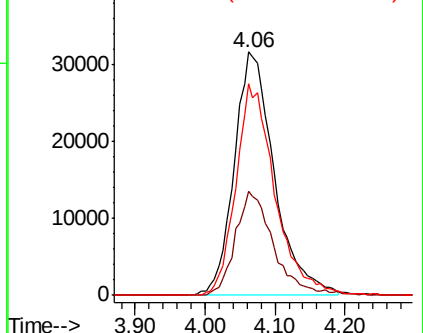
151 84.5 66.3 99.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 24.696 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.01 min

Lab File: VW013915.D

Acq: 06 Nov 2019 09:33

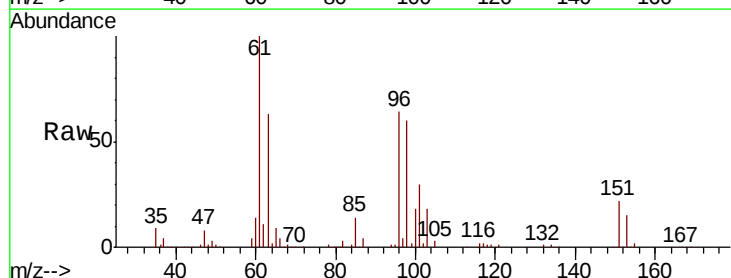
Tgt Ion: 96 Resp: 124001

Ion Ratio Lower Upper

96 100

61 156.9 115.1 213.8

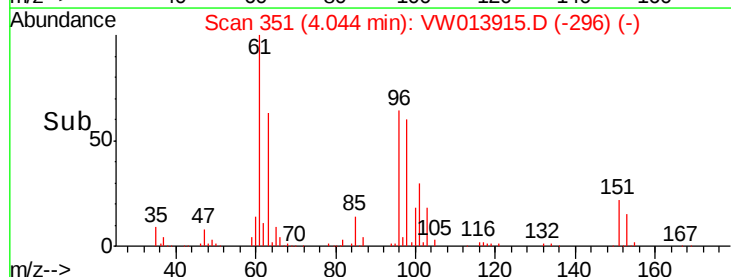
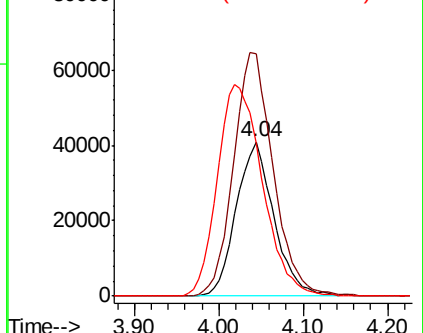
63 98.7 97.4 180.8

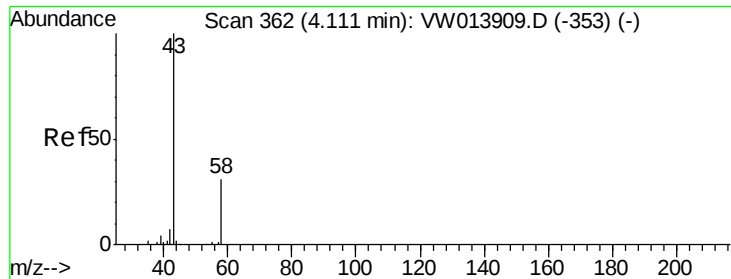


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 36.944 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.01 min

Lab File: VW013915.D

Acq: 06 Nov 2019 09:33

Instrument :

MSVOA_W

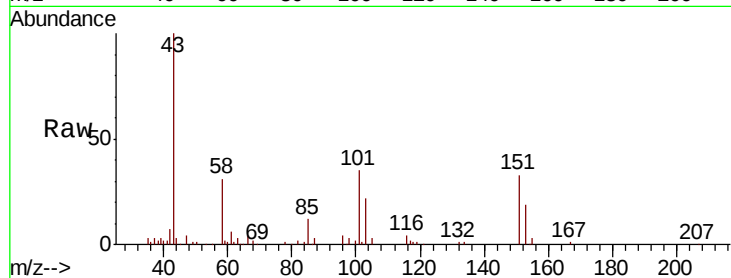
ClientSampleId :

Tot Ion: 43 Resp: 58614

Ion Ratio Lower Upper

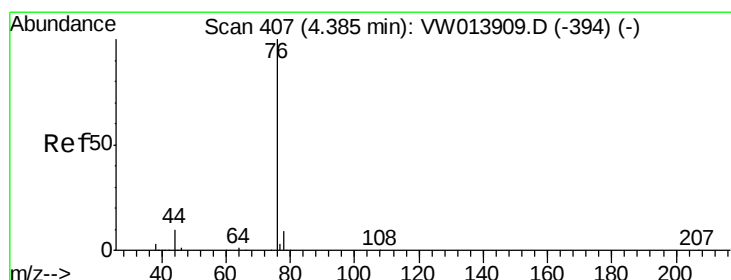
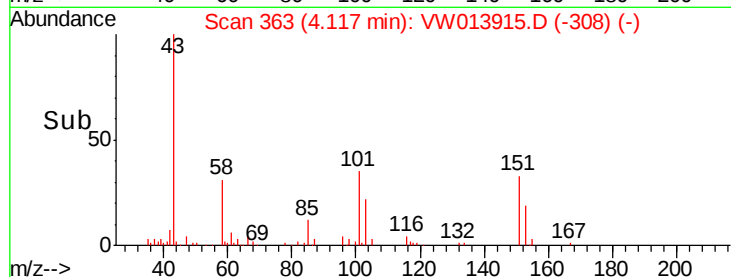
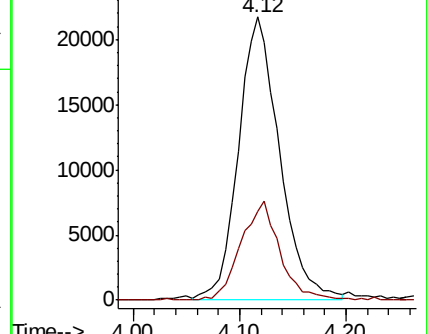
43 100

58 33.3 0.0 62.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 25.735 ug/L

RT: 4.39 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW013915.D

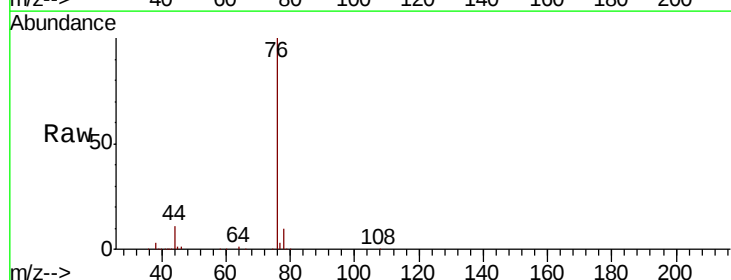
Acq: 06 Nov 2019 09:33

Tgt Ion: 76 Resp: 369315

Ion Ratio Lower Upper

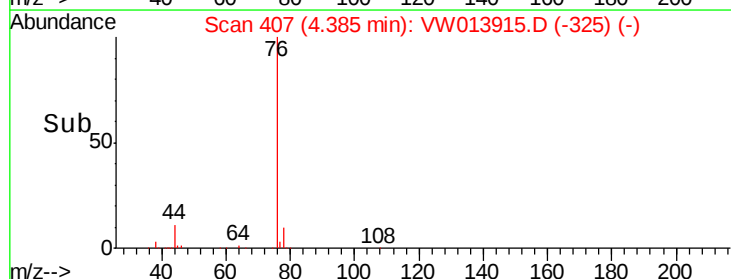
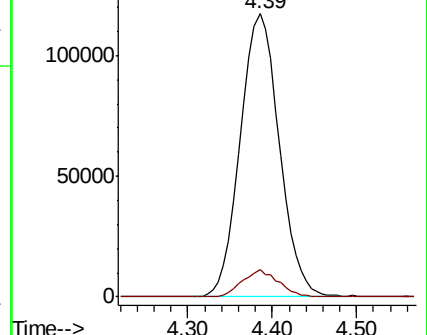
76 100

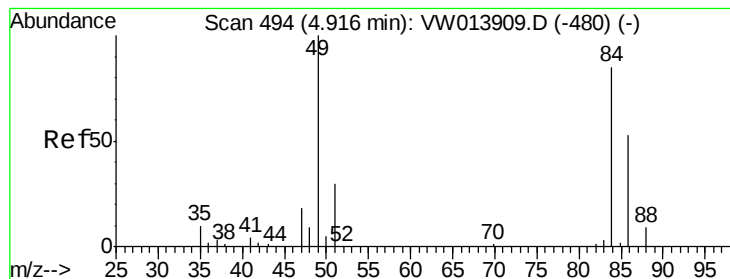
78 9.6 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW





#16

Methylene chloride

Concen: 22.707 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

Lab File: VW013915.D

Acq: 06 Nov 2019 09:33

Instrument :

MSVOA_W

ClientSampled :

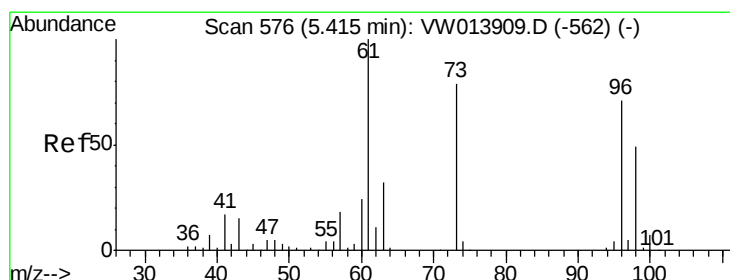
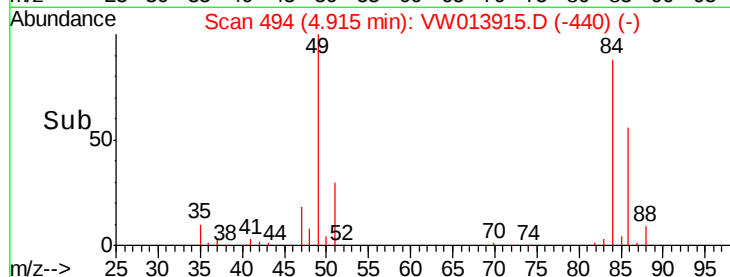
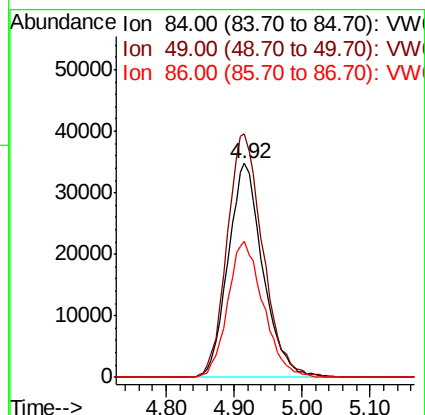
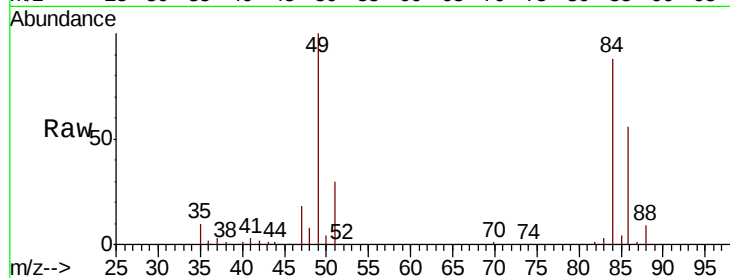
Tot Ion: 84 Resp: 123525

Ion Ratio Lower Upper

84 100

49 113.9 79.7 148.1

86 63.5 46.4 86.2



#17

Methyl tert-butyl Ether

Concen: 23.605 ug/L

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW013915.D

Acq: 06 Nov 2019 09:33

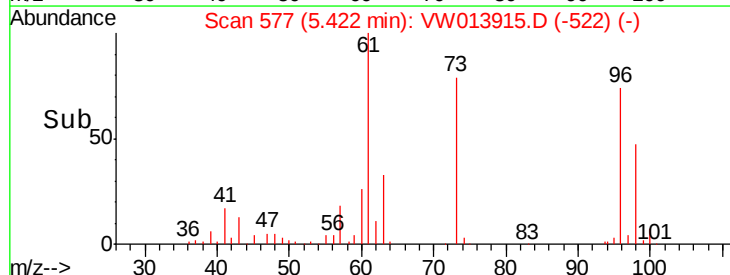
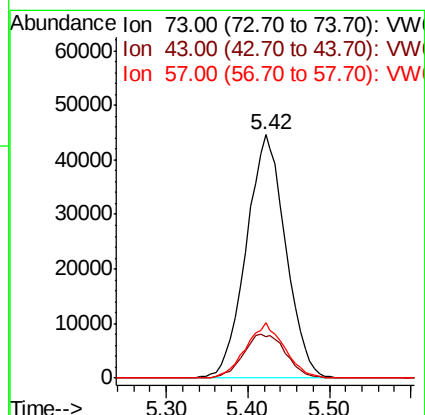
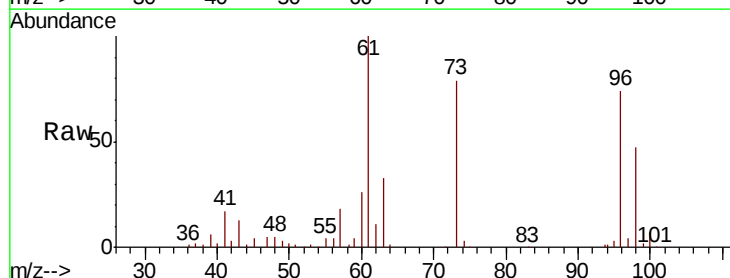
Tgt Ion: 73 Resp: 149936

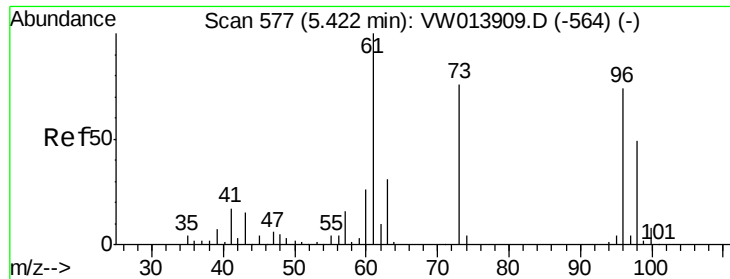
Ion Ratio Lower Upper

73 100

43 19.3 14.4 21.6

57 22.2 17.8 26.6

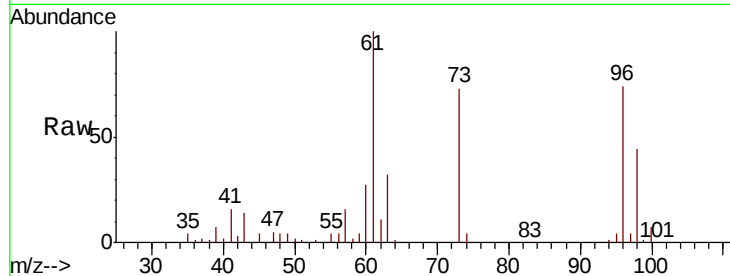




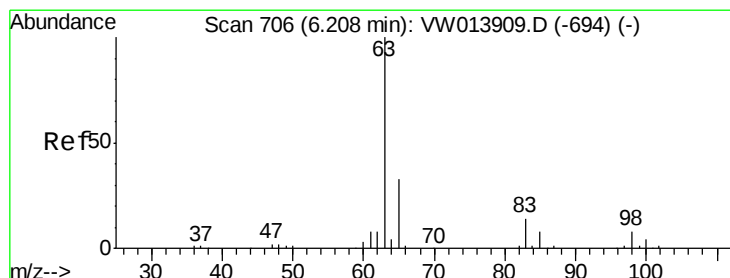
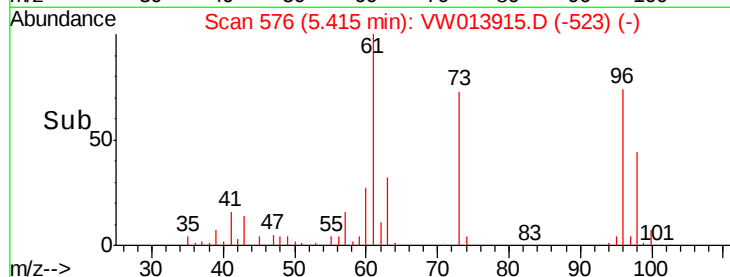
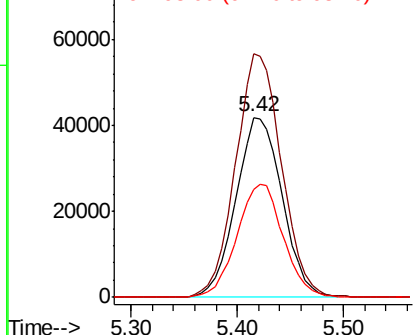
#18
trans-1,2-Dichloroethene
Concen: 24.350 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW013915.D
Acq: 06 Nov 2019 09:33

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 96 Resp: 127421
Ion Ratio Lower Upper
96 100
61 135.3 92.6 172.0
98 59.7 43.8 81.3

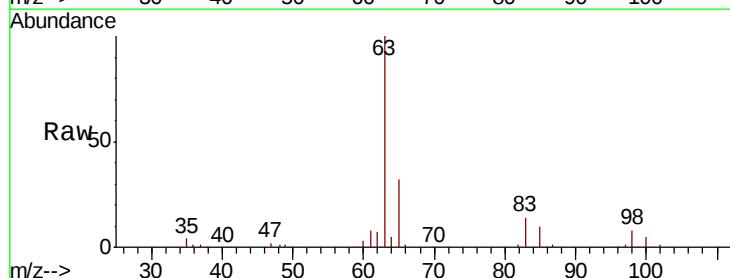


Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW

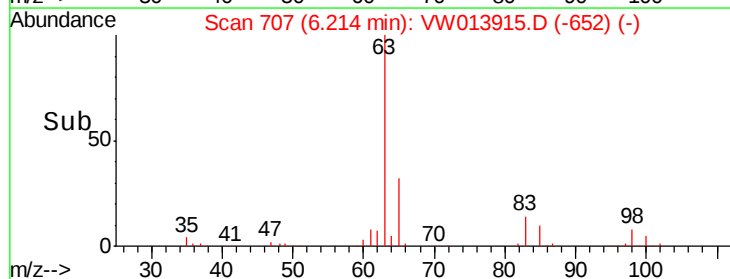
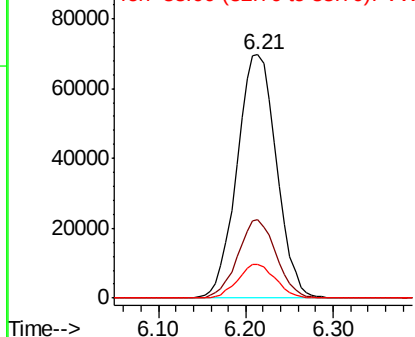


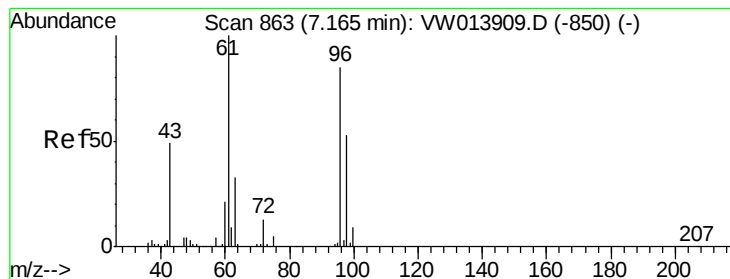
#19
1,1-Dichloroethane
Concen: 24.603 ug/L
RT: 6.21 min Scan# 707
Delta R.T. 0.01 min
Lab File: VW013915.D
Acq: 06 Nov 2019 09:33

Tgt Ion: 63 Resp: 218586
Ion Ratio Lower Upper
63 100
65 32.0 22.3 41.5
83 14.0 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: 36.592 ug/L

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013915.D

Acq: 06 Nov 2019 09:33

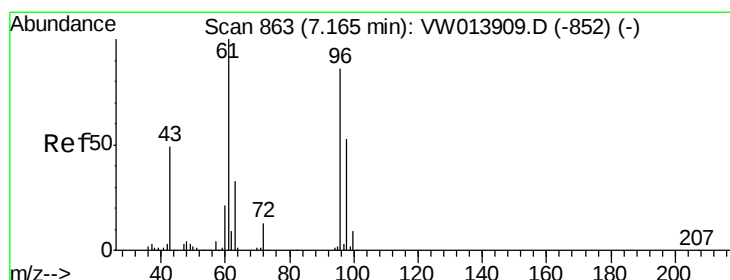
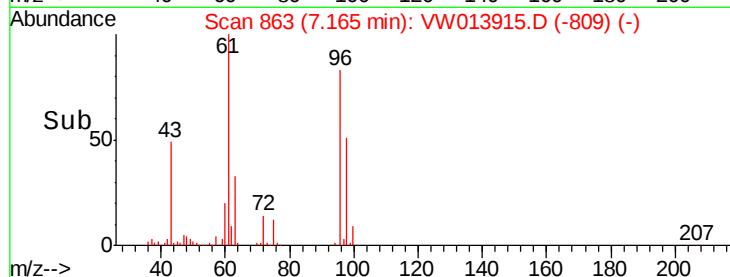
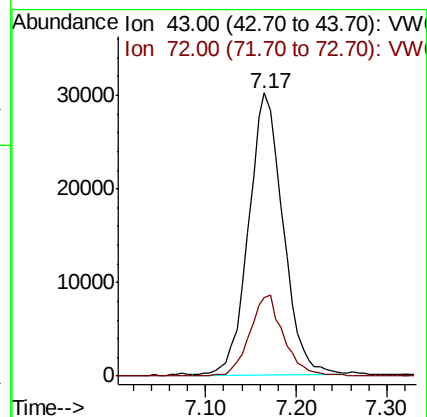
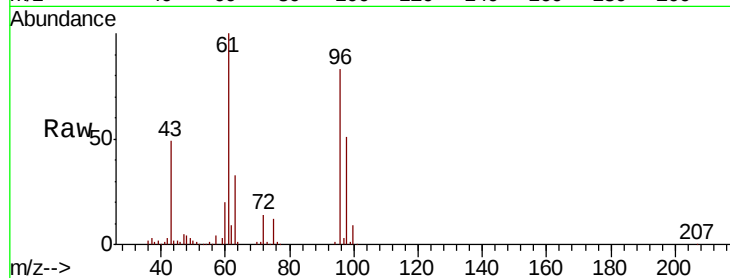
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 79688

Ion Ratio Lower Upper

43 100

72 26.3 13.6 40.8



#22

cis-1,2-Dichloroethene

Concen: 24.195 ug/L

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013915.D

Acq: 06 Nov 2019 09:33

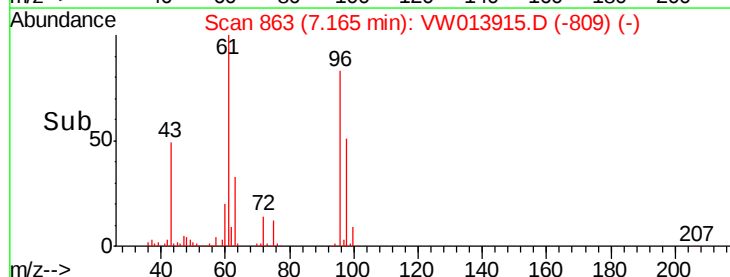
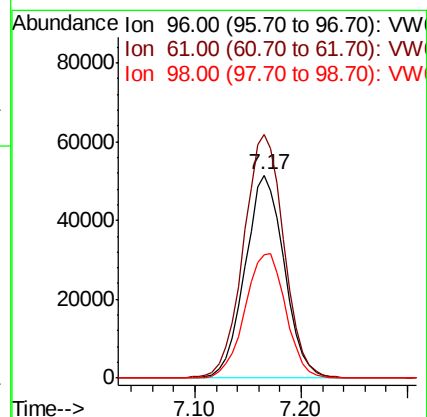
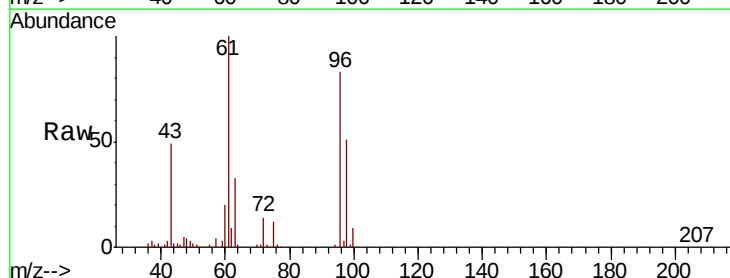
Tgt Ion: 96 Resp: 133145

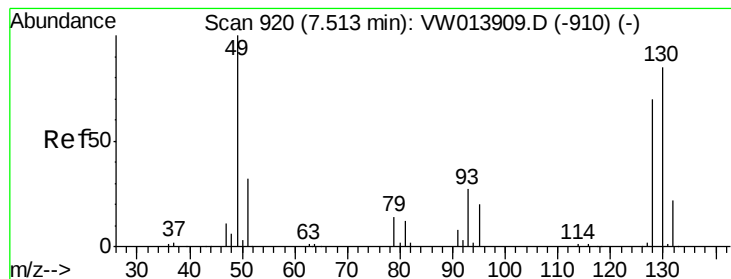
Ion Ratio Lower Upper

96 100

61 119.9 82.3 152.9

98 60.9 44.0 81.8





#23

Bromochloromethane

Concen: 22.754 ug/L

RT: 7.51 min Scan# 920

Delta R.T. -0.00 min

Lab File: VW013915.D

Acq: 06 Nov 2019 09:33

Instrument :

MSVOA_W

ClientSampled :

Tot Ion:128 Resp: 58877

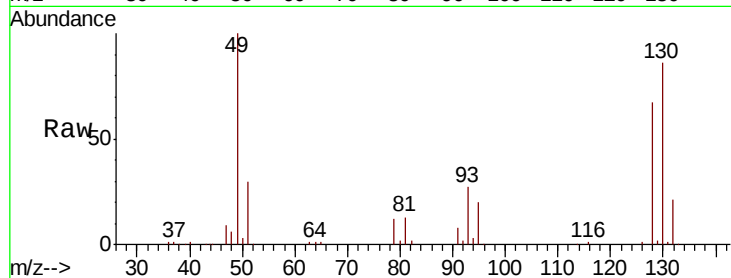
Ion Ratio Lower Upper

128 100

49 149.8 98.7 183.3

130 129.1 86.8 161.2

51 44.9 34.2 51.2

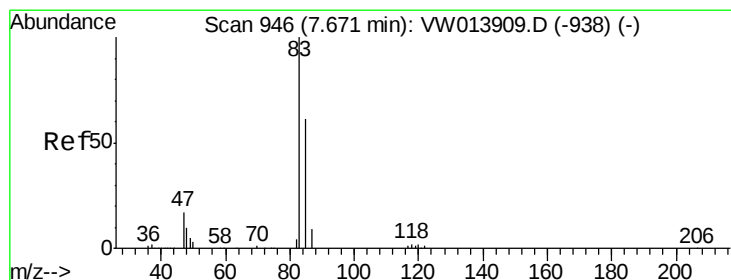
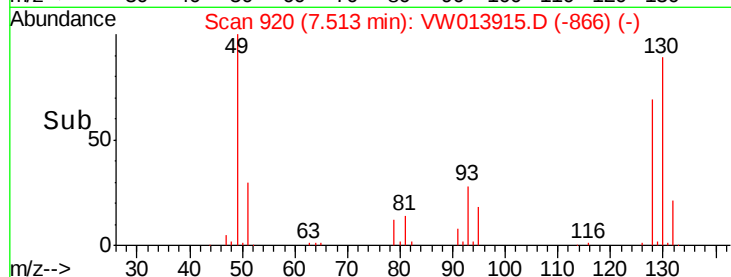
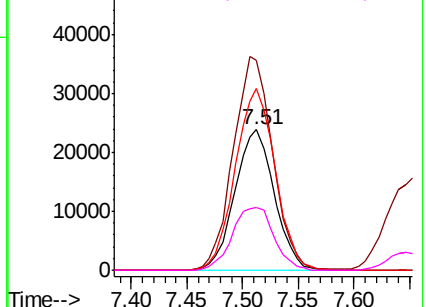


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VW

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VW



#25

Chloroform

Concen: 24.015 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW013915.D

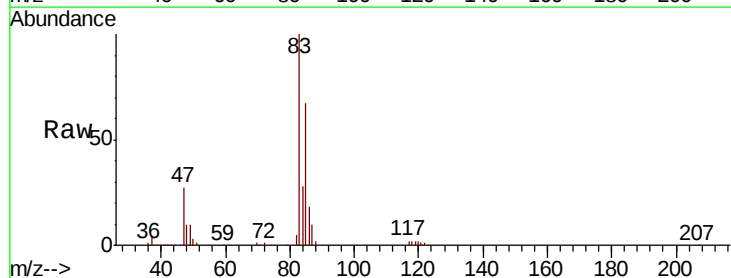
Acq: 06 Nov 2019 09:33

Tgt Ion: 83 Resp: 214520

Ion Ratio Lower Upper

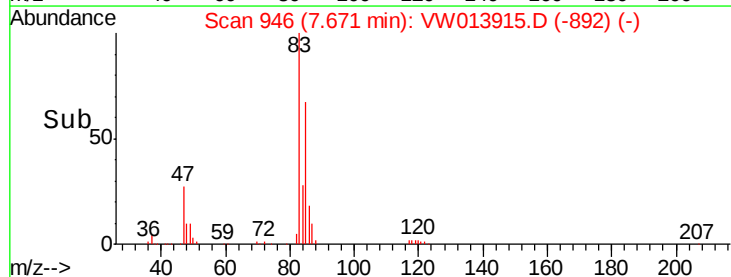
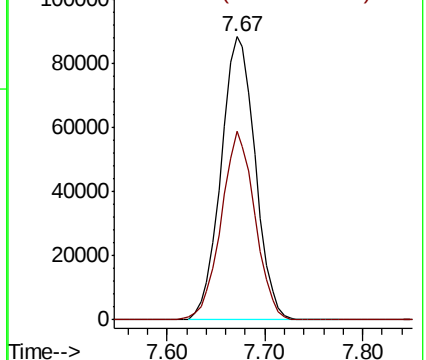
83 100

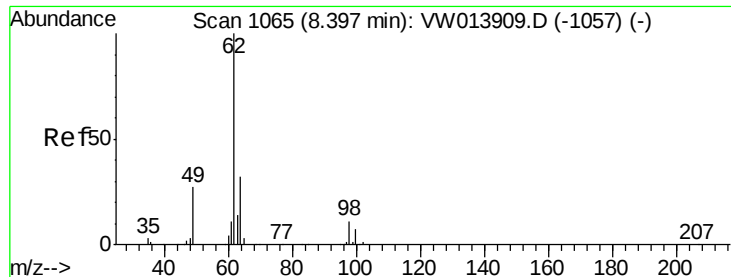
85 65.8 46.9 87.1



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

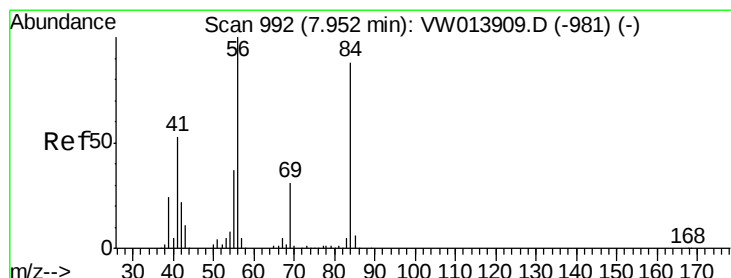
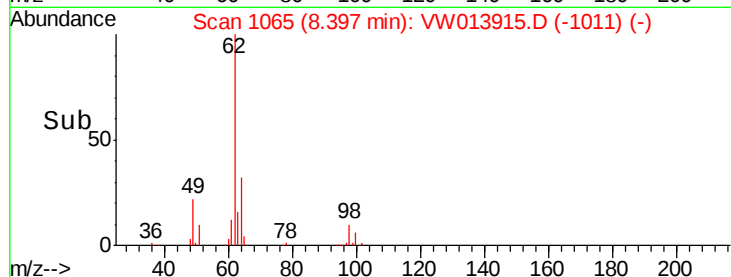
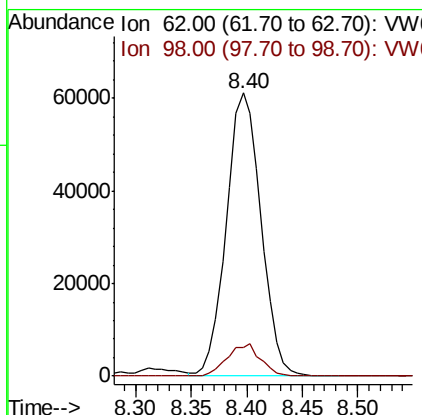
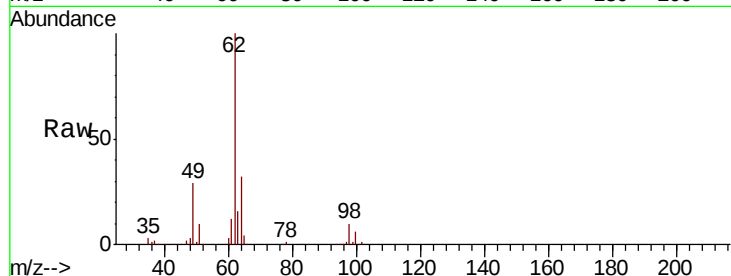




#27
 1,2-Dichloroethane
 Concen: 22.371 ug/L
 RT: 8.40 min Scan# 1065
 Delta R.T. -0.00 min
 Lab File: VW013915.D
 Acq: 06 Nov 2019 09:33

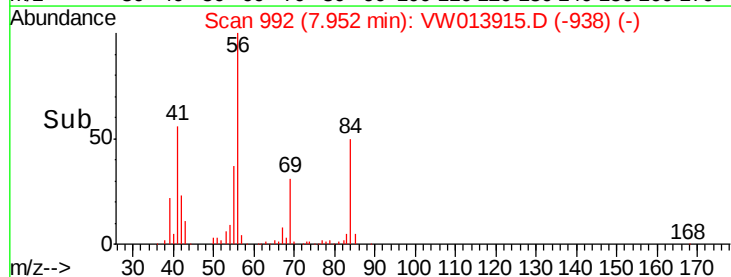
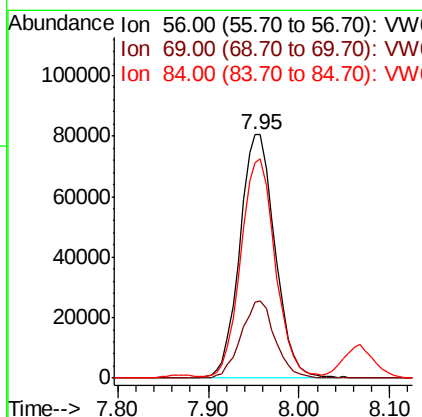
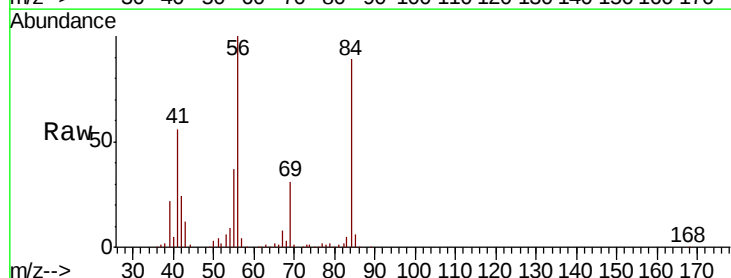
Instrument :
 MSVOA_W
 ClientSampleId :

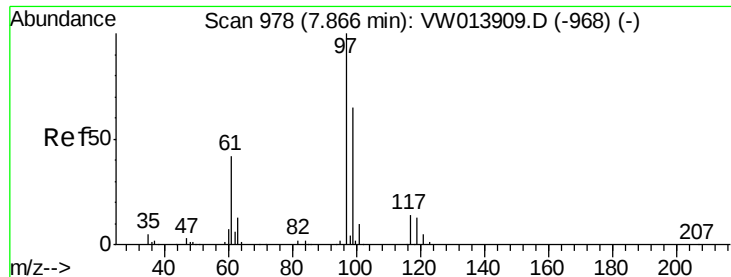
Tot Ion: 62 Resp: 132168
 Ion Ratio Lower Upper
 62 100
 98 10.3 8.2 12.2



#30
 Cyclohexane
 Concen: 26.337 ug/L
 RT: 7.95 min Scan# 992
 Delta R.T. -0.00 min
 Lab File: VW013915.D
 Acq: 06 Nov 2019 09:33

Tgt Ion: 56 Resp: 216397
 Ion Ratio Lower Upper
 56 100
 69 30.6 24.5 36.7
 84 88.7 70.6 105.8

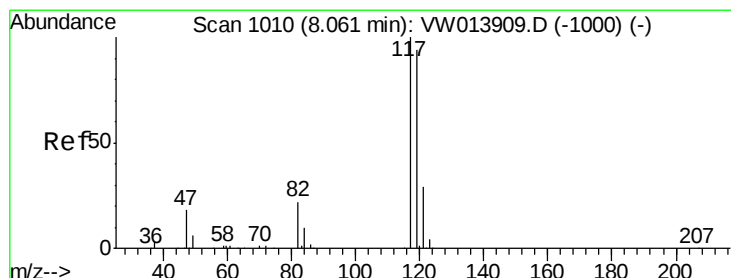
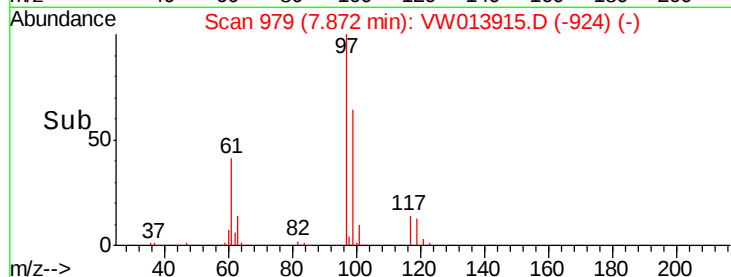
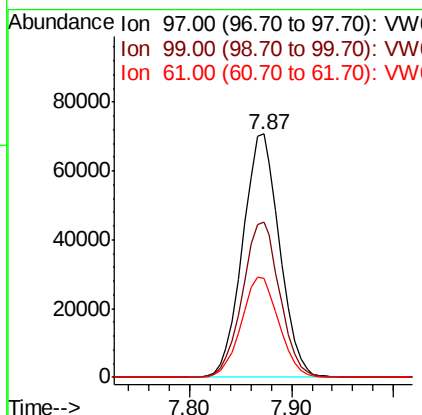
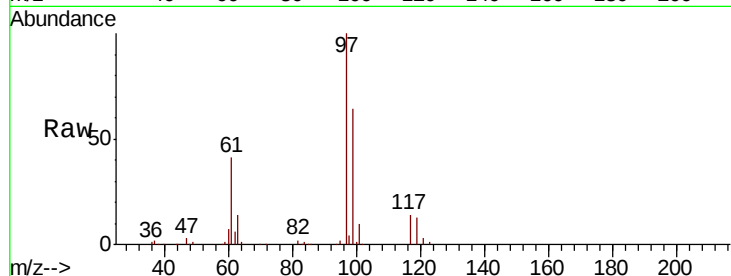




#31
 1,1,1-Trichloroethane
 Concen: 26.635 ug/L
 RT: 7.87 min Scan# 979
 Delta R.T. 0.01 min
 Lab File: VW013915.D
 Acq: 06 Nov 2019 09:33

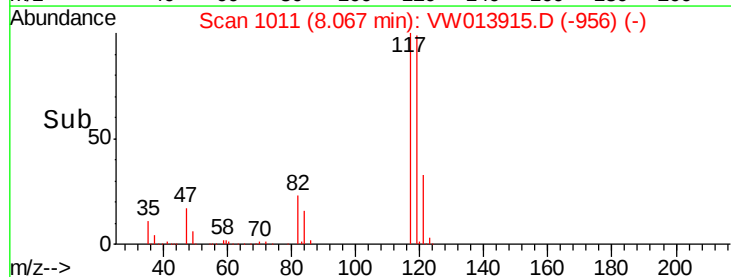
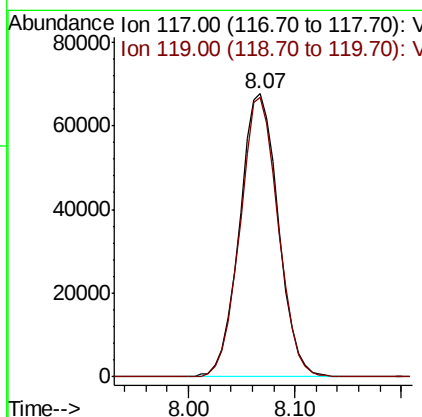
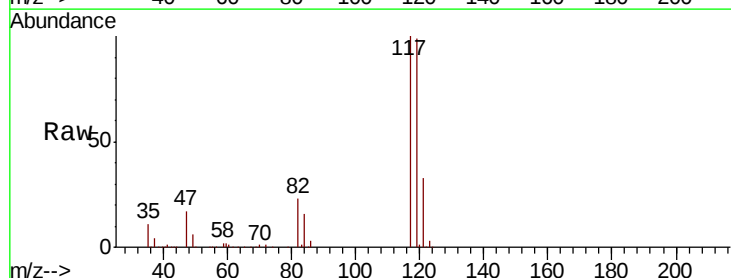
Instrument :
 MSVOA_W
 ClientSampled :

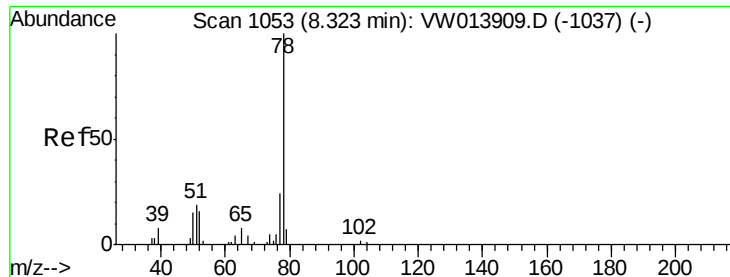
Tot Ion: 97 Resp: 177595
 Ion Ratio Lower Upper
 97 100
 99 64.5 52.0 78.0
 61 42.0 33.6 50.4



#32
 Carbon tetrachloride
 Concen: 26.393 ug/L
 RT: 8.07 min Scan# 1011
 Delta R.T. 0.01 min
 Lab File: VW013915.D
 Acq: 06 Nov 2019 09:33

Tgt Ion: 117 Resp: 172090
 Ion Ratio Lower Upper
 117 100
 119 97.3 77.9 116.9





#34

Benzene

Concen: 25.498 ug/L

RT: 8.32 min Scan# 1053

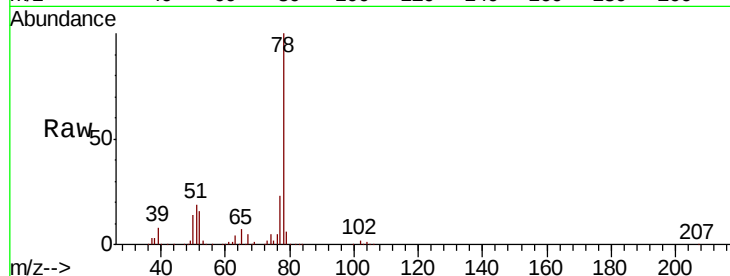
Delta R.T. -0.00 min

Lab File: VW013915.D

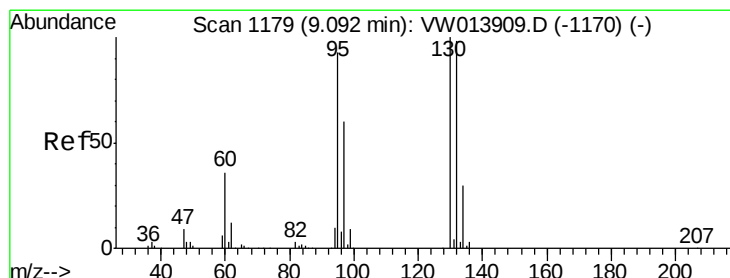
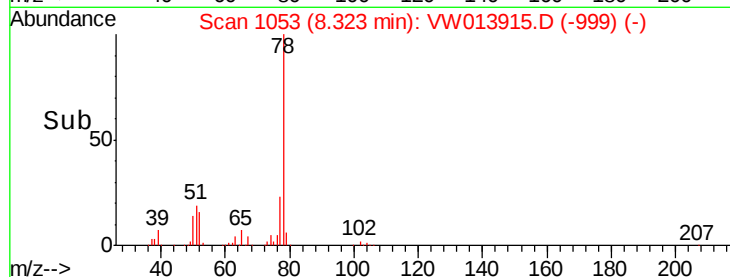
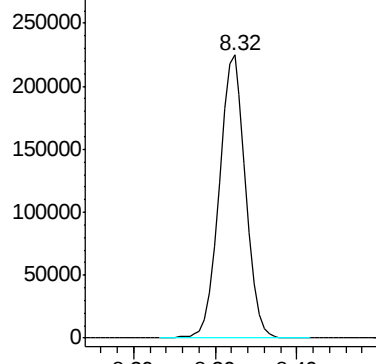
Acq: 06 Nov 2019 09:33

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion: 78 Resp: 504041



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 25.191 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW013915.D

Acq: 06 Nov 2019 09:33

Tgt Ion: 95 Resp: 131268

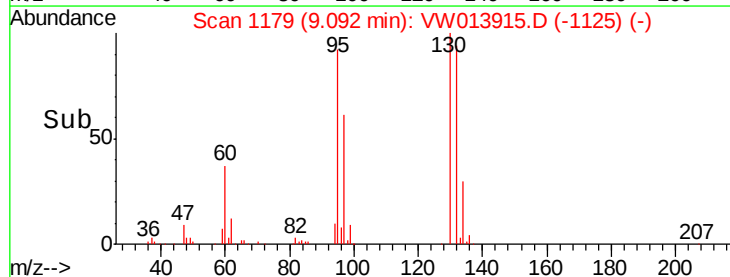
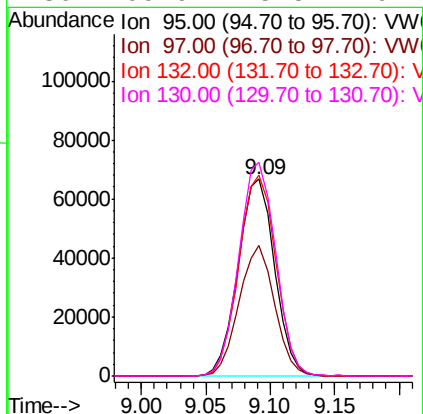
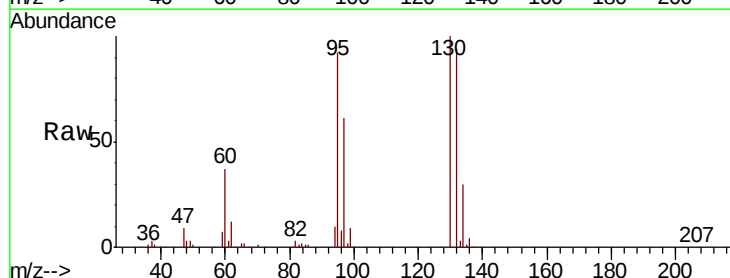
Ion	Ratio	Lower	Upper
95	100		
97	64.6	44.9	83.5
132	103.3	73.3	136.1
130	109.9	75.5	140.1

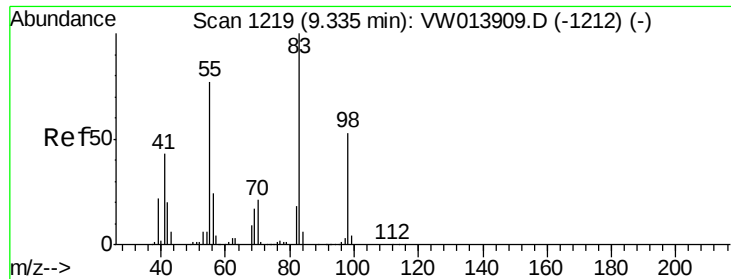
Abundance Ion 95.00 (94.70 to 95.70): VW

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

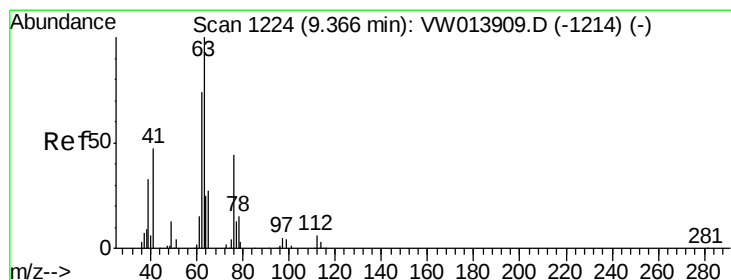
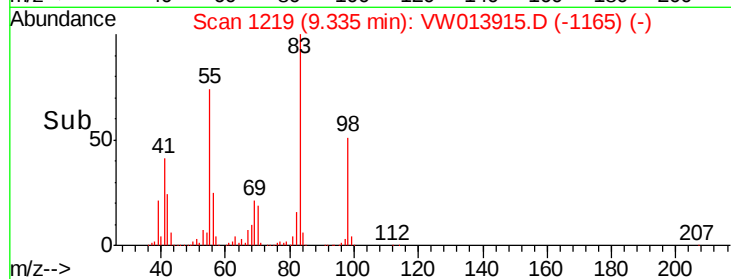
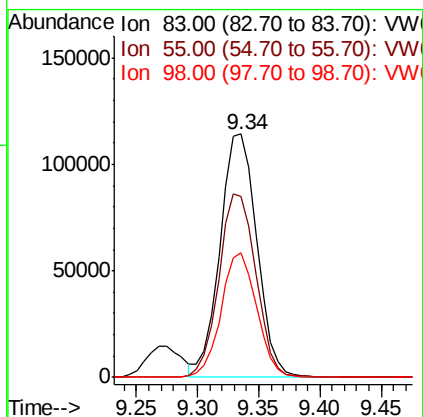
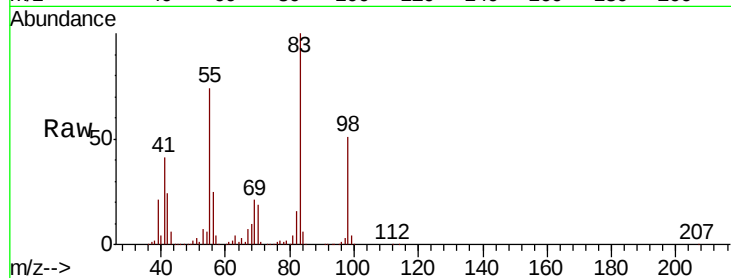




#36
Methvlcvclohexane
Concen: 26.092 ug/L
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013915.D
Acq: 06 Nov 2019 09:33

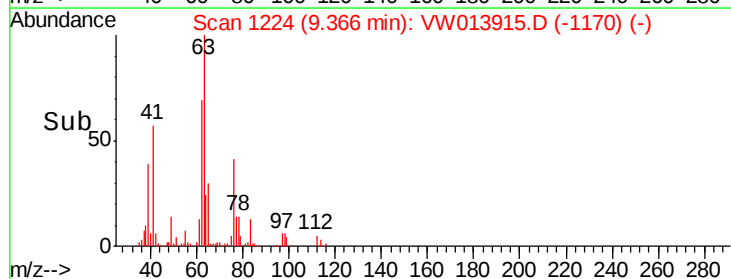
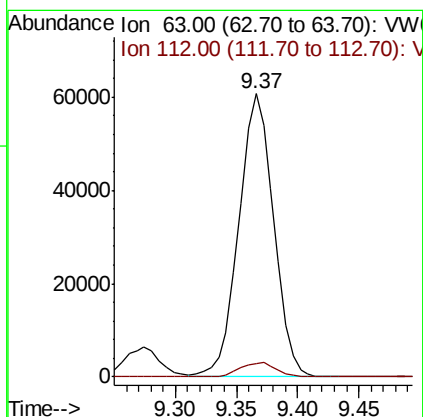
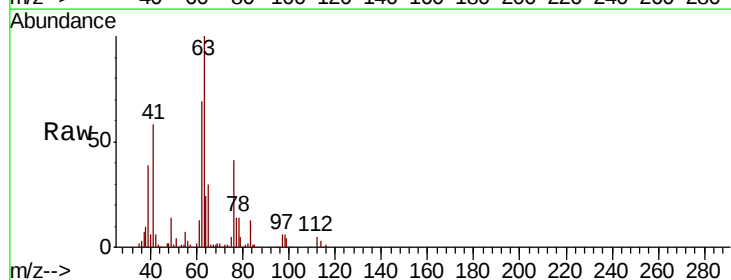
Instrument :
MSVOA_W
ClientSampleId :

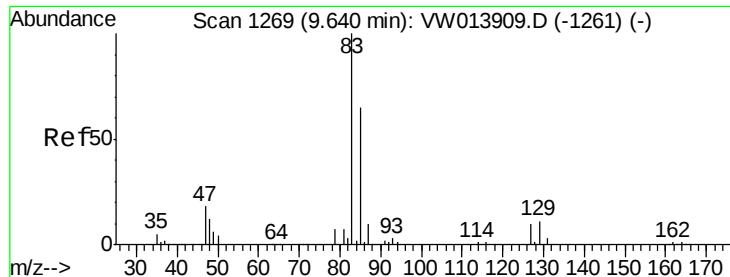
Tot Ion: 83 Resp: 238646
Ion Ratio Lower Upper
83 100
55 75.7 60.2 90.2
98 49.5 39.2 58.8



#40
1,2-Dichloropropane
Concen: 24.751 ug/L
RT: 9.37 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VW013915.D
Acq: 06 Nov 2019 09:33

Tgt Ion: 63 Resp: 120089
Ion Ratio Lower Upper
63 100
112 5.4 3.9 5.9





#41

Bromodichloromethane

Concen: 24.656 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW013915.D

Acq: 06 Nov 2019 09:33

Instrument :

MSVOA_W

ClientSampled :

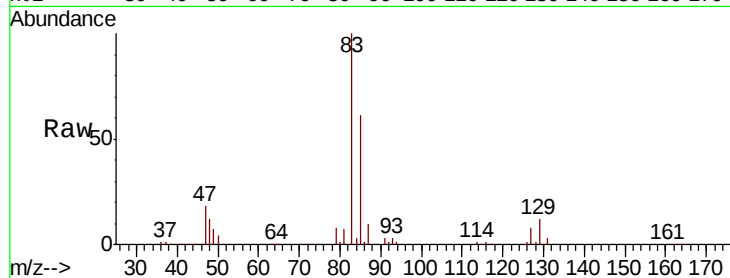
Tot Ion: 83 Resp: 150384

Ion Ratio Lower Upper

83 100

85 61.1 43.5 80.7

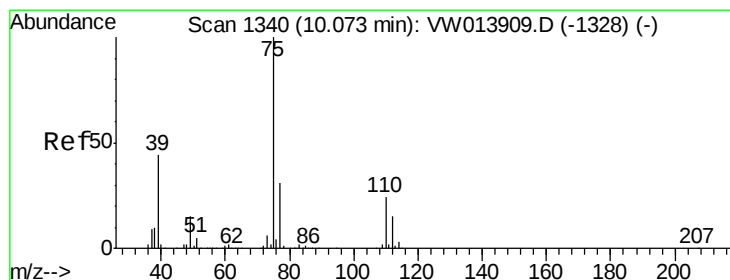
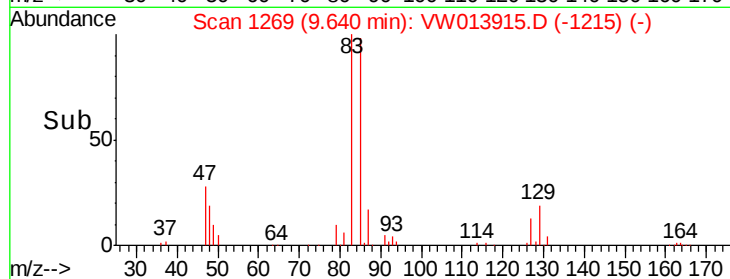
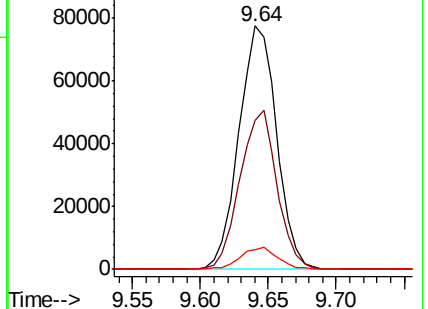
127 8.2 7.0 10.4



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): VW



#42

cis-1,3-Dichloropropene

Concen: 24.554 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW013915.D

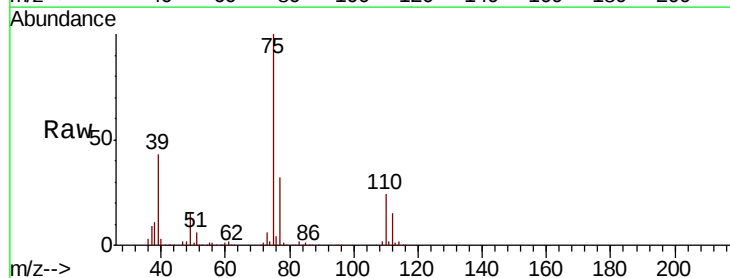
Acq: 06 Nov 2019 09:33

Tgt Ion: 75 Resp: 187747

Ion Ratio Lower Upper

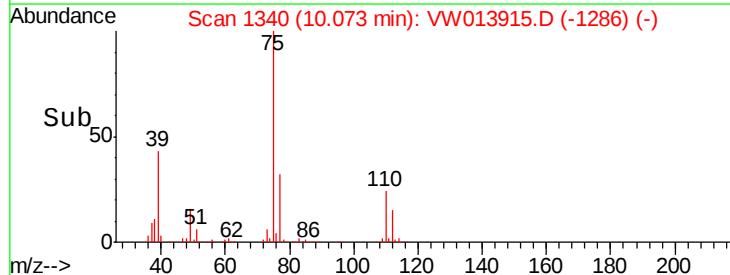
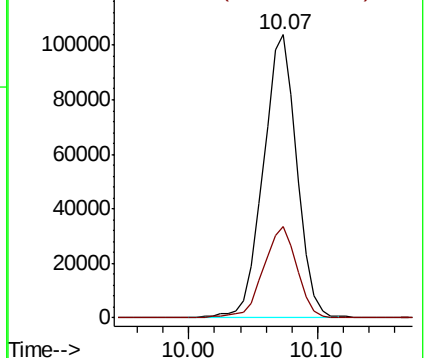
75 100

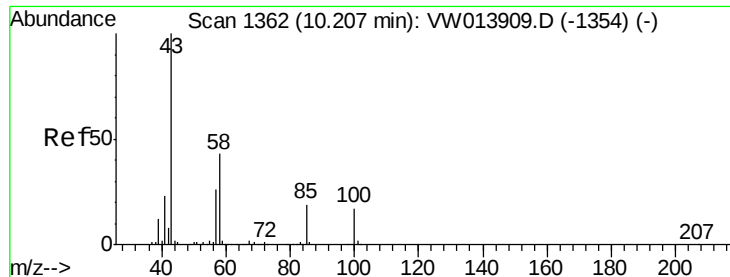
77 32.4 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

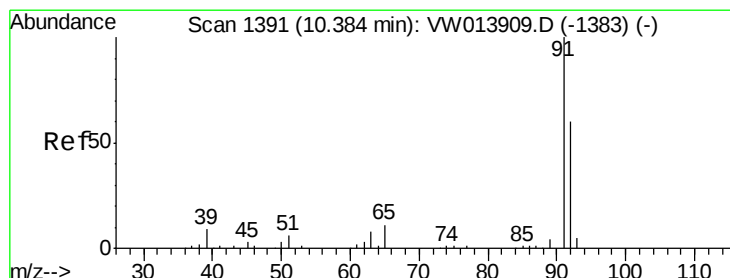
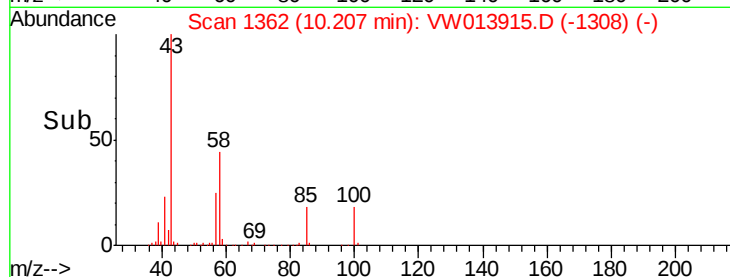
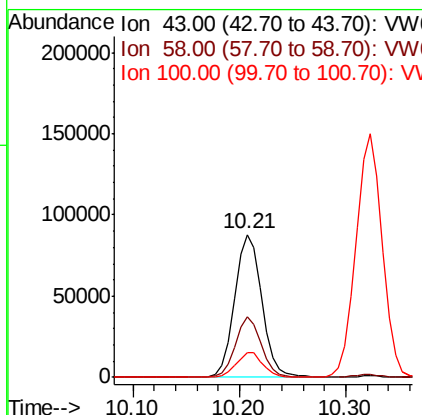
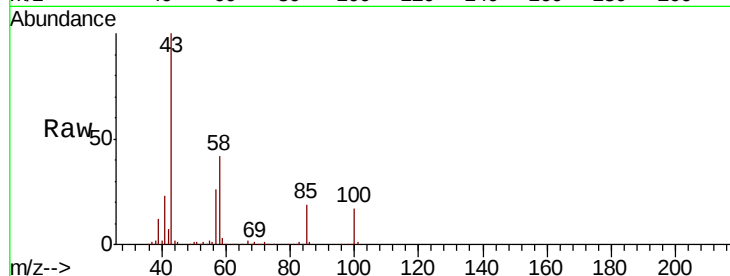




#43
4-Methyl-2-pentanone
Concen: 42.332 ug/L
RT: 10.21 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VW013915.D
Acq: 06 Nov 2019 09:33

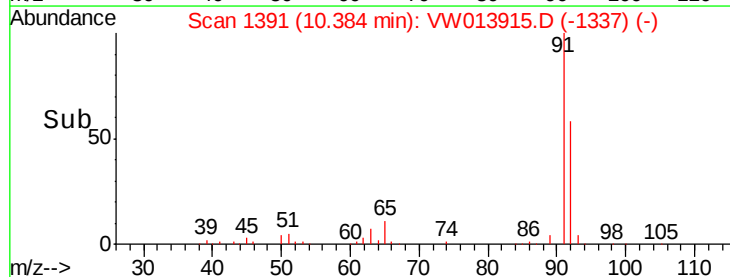
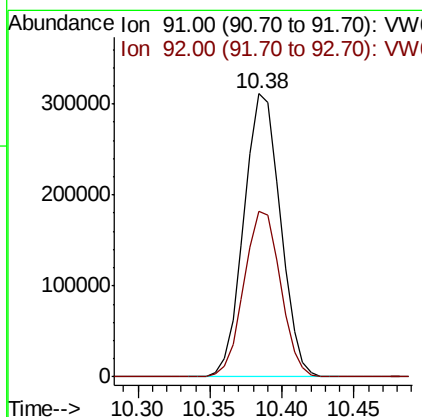
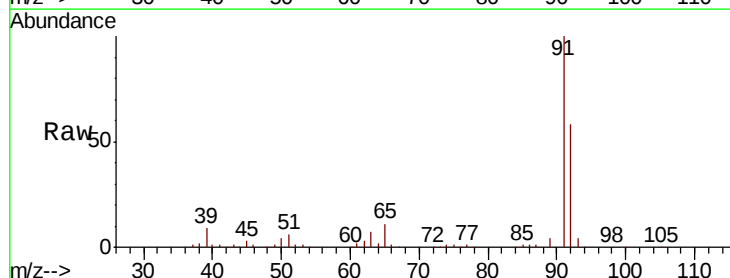
Instrument :
MSVOA_W
ClientSampleId :

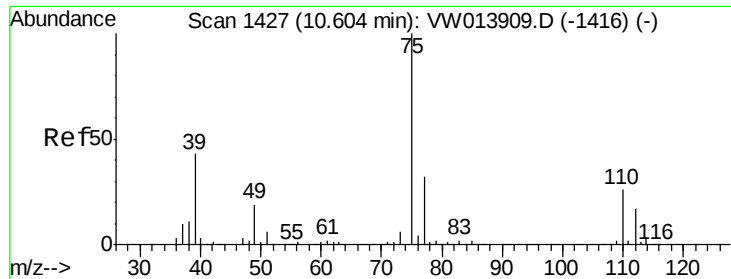
Tot Ion: 43 Resp: 157959
Ion Ratio Lower Upper
43 100
58 40.2 32.6 48.8
100 16.9 14.1 21.1



#44
Toluene
Concen: 25.747 ug/L
RT: 10.38 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VW013915.D
Acq: 06 Nov 2019 09:33

Tgt Ion: 91 Resp: 546918
Ion Ratio Lower Upper
91 100
92 58.5 40.3 74.9





#45

trans-1,3-Dichloropropene

Concen: 23.830 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW013915.D

Acq: 06 Nov 2019 09:33

Instrument :

MSVOA_W

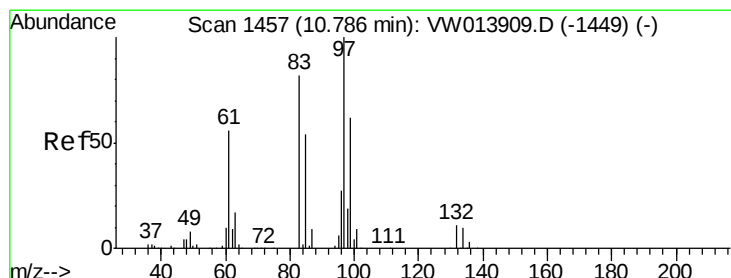
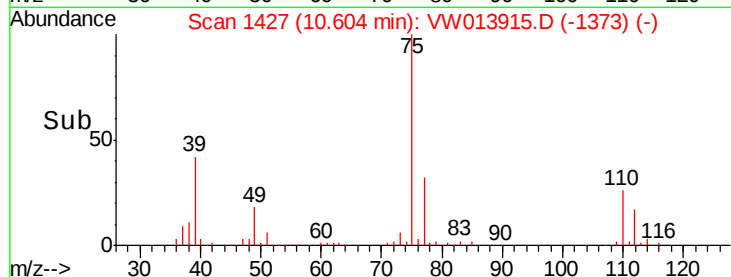
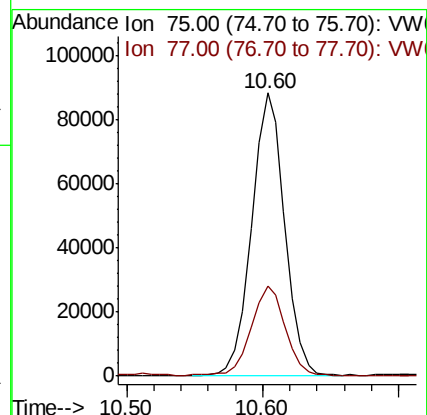
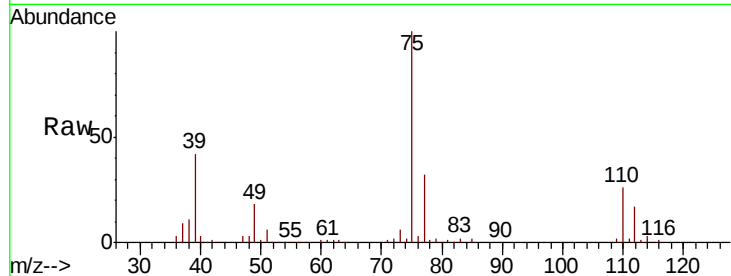
ClientSampleId :

Tot Ion: 75 Resp: 150561

Ion Ratio Lower Upper

75 100

77 31.8 22.5 41.7



#46

1,1,2-Trichloroethane

Concen: 22.957 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW013915.D

Acq: 06 Nov 2019 09:33

Tgt Ion: 97 Resp: 88944

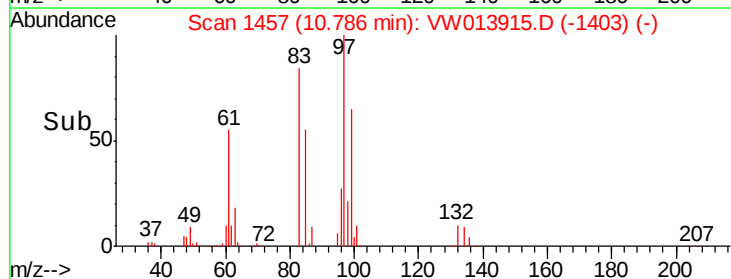
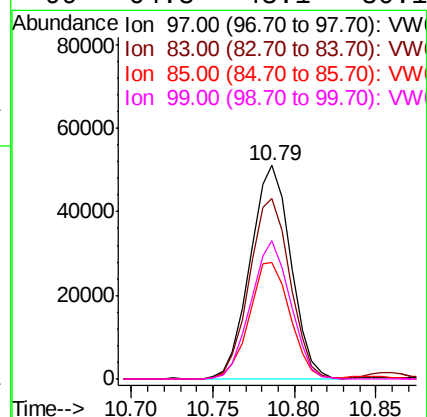
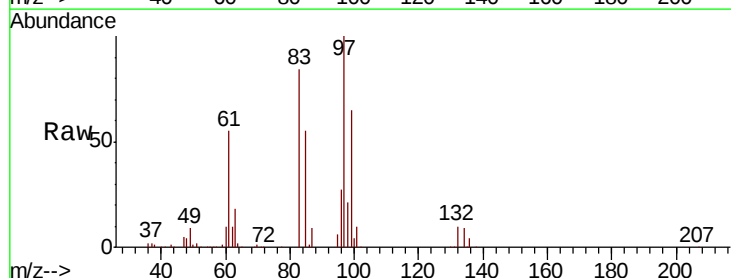
Ion Ratio Lower Upper

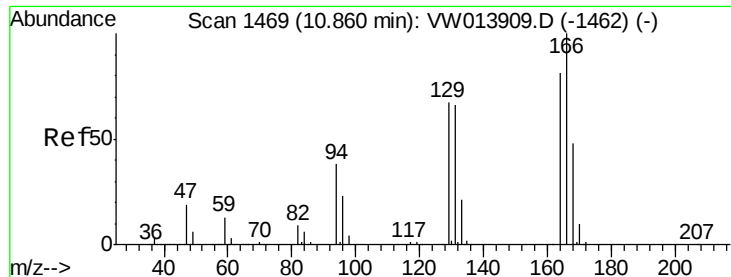
97 100

83 84.2 58.4 108.4

85 54.6 36.2 67.2

99 64.8 43.1 80.1





#47

Tetrachloroethene

Concen: 25.226 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW013915.D

Acq: 06 Nov 2019 09:33

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:164 Resp: 121020

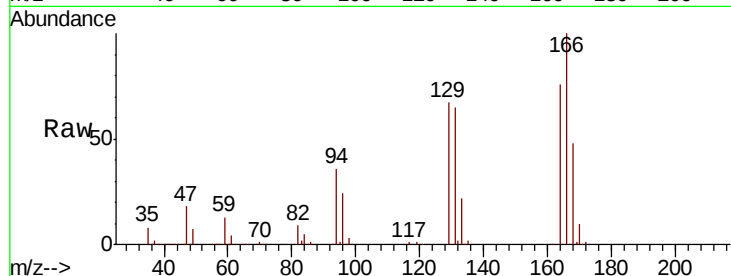
Ion Ratio Lower Upper

164 100

129 88.7 63.0 117.0

131 86.1 60.6 112.6

166 131.7 90.7 168.5

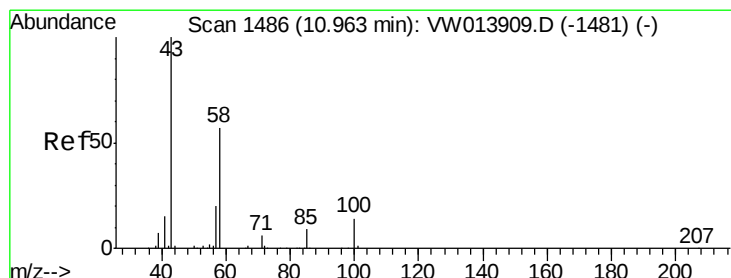
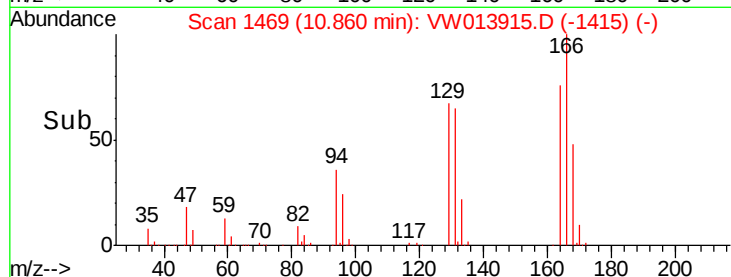
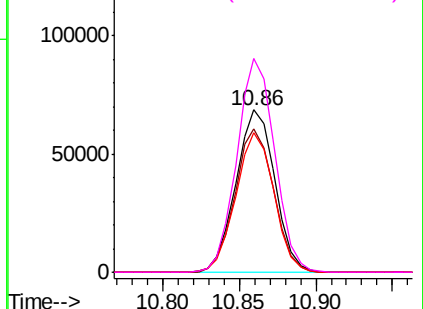


Abundance Ion 164.00 (163.70 to 164.70): V

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: 42.011 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.01 min

Lab File: VW013915.D

Acq: 06 Nov 2019 09:33

Tgt Ion: 43 Resp: 115160

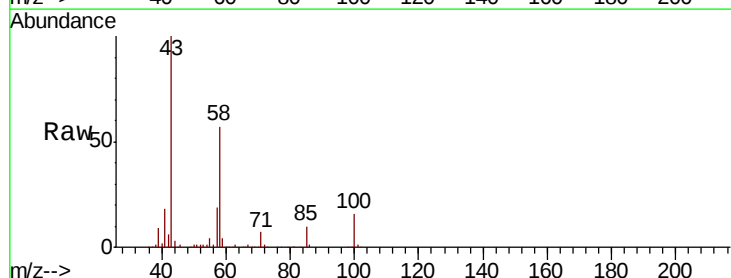
Ion Ratio Lower Upper

43 100

58 58.1 45.2 67.8

57 19.8 15.4 23.0

100 14.8 10.9 16.3

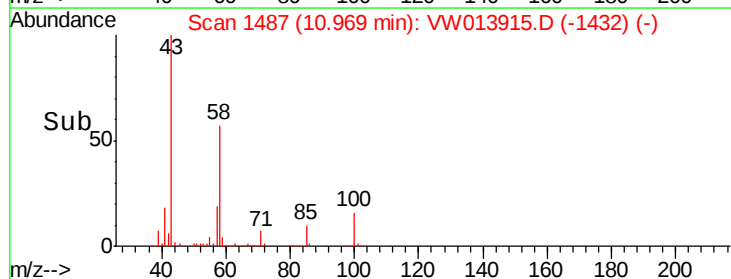
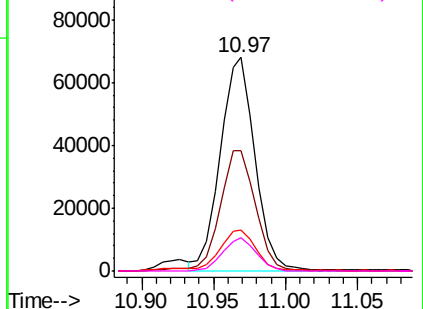


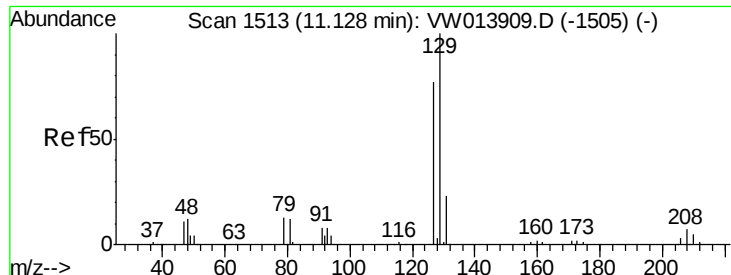
Abundance Ion 43.00 (42.70 to 43.70): VW

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

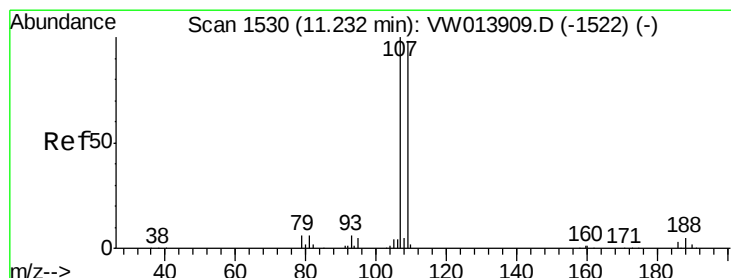
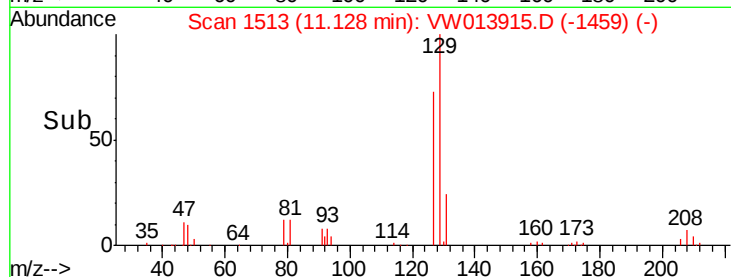
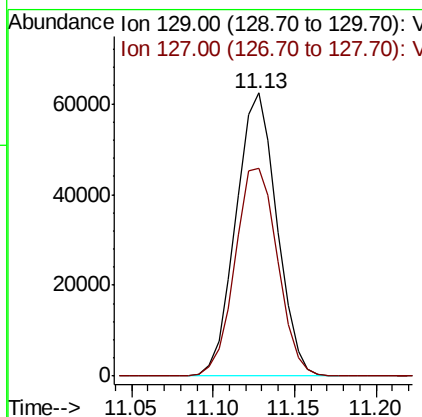
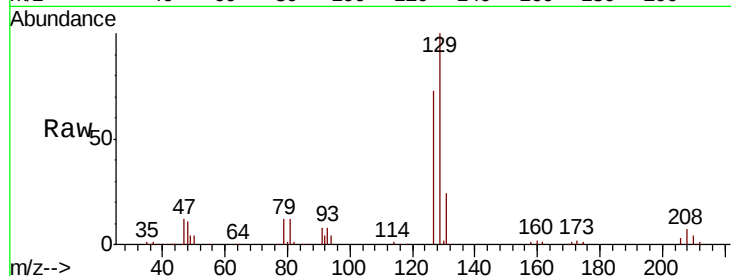




#50
 Dibromochloromethane
 Concen: 24.279 ug/L
 RT: 11.13 min Scan# 1513
 Delta R.T. -0.00 min
 Lab File: VW013915.D
 Acq: 06 Nov 2019 09:33

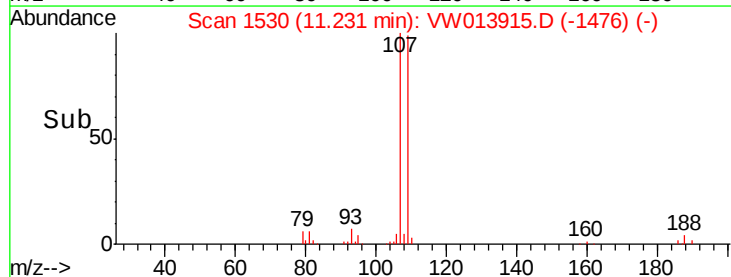
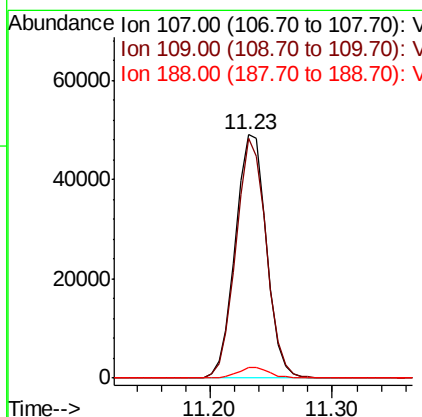
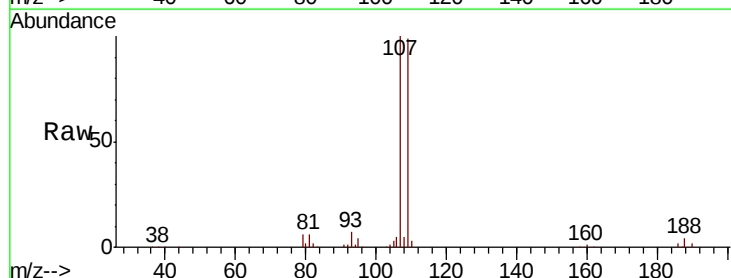
Instrument :
 MSVOA_W
 ClientSampleId :

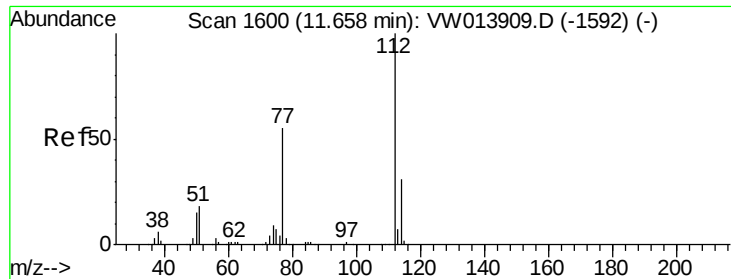
Tot Ion:129 Resp: 109194
 Ion Ratio Lower Upper
 129 100
 127 73.3 52.1 96.7



#51
 1,2-Dibromoethane
 Concen: 22.570 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW013915.D
 Acq: 06 Nov 2019 09:33

Tgt Ion:107 Resp: 86442
 Ion Ratio Lower Upper
 107 100
 109 98.6 66.3 123.1
 188 4.4 3.5 5.3

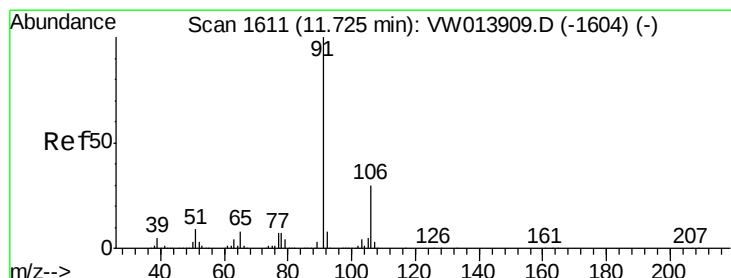
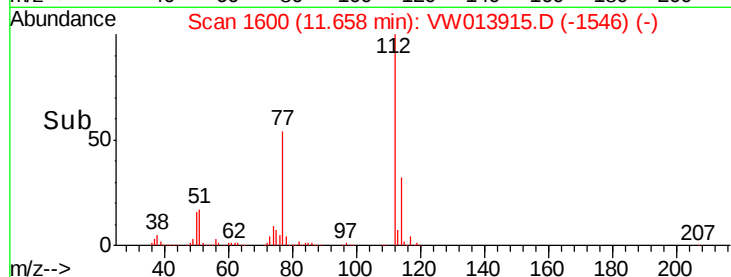
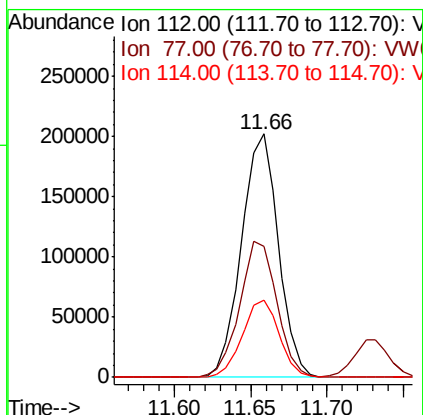
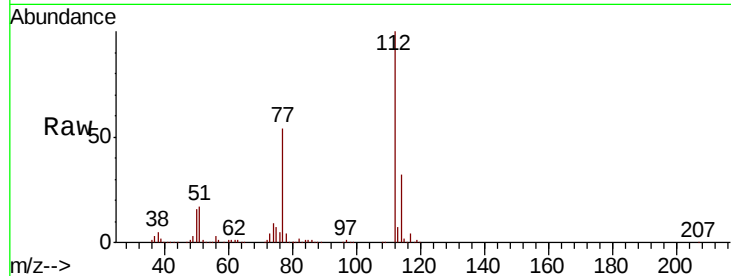




#52
Chlorobenzene
Concen: 24.763 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013915.D
Acq: 06 Nov 2019 09:33

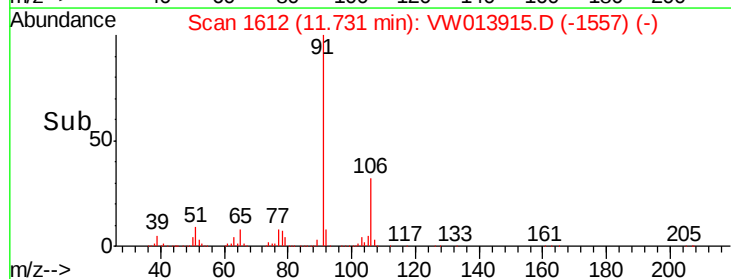
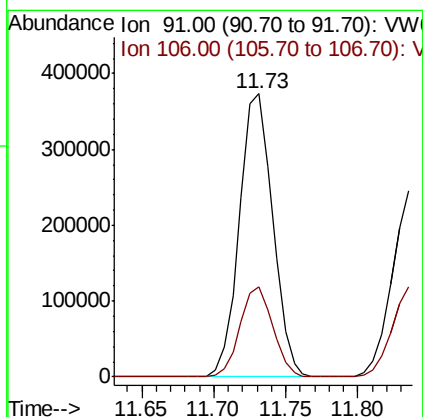
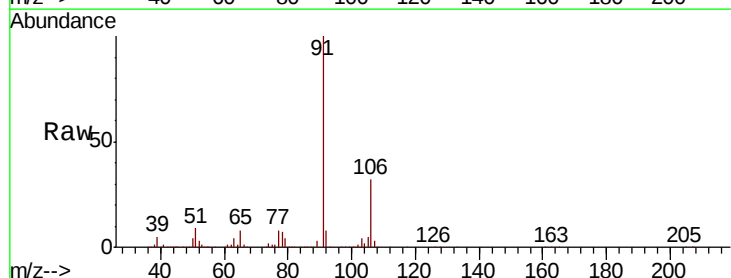
Instrument :
MSVOA_W
ClientSampleId :

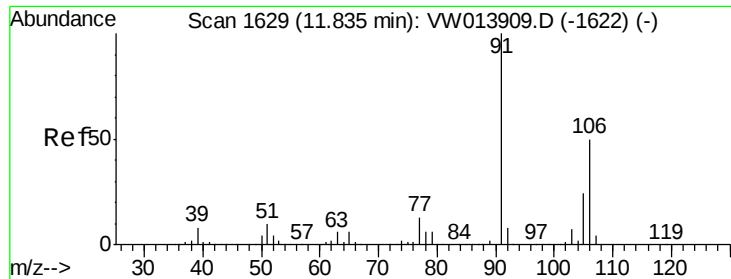
Tot Ion:112 Resp: 339235
Ion Ratio Lower Upper
112 100
77 54.0 45.4 68.0
114 32.0 22.6 42.0



#53
Ethylbenzene
Concen: 25.482 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.01 min
Lab File: VW013915.D
Acq: 06 Nov 2019 09:33

Tgt Ion: 91 Resp: 602532
Ion Ratio Lower Upper
91 100
106 32.0 22.0 40.8





#54

m,p-Xylene

Concen: 25.445 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.01 min

Lab File: VW013915.D

Acq: 06 Nov 2019 09:33

Instrument :

MSVOA_W

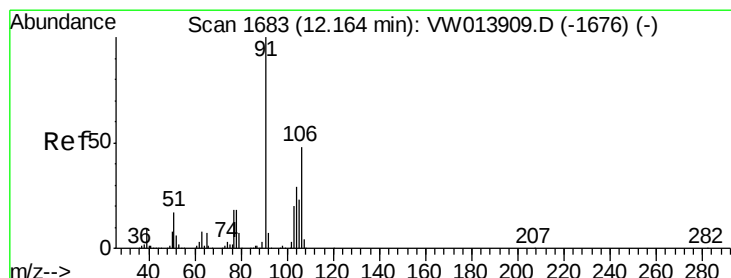
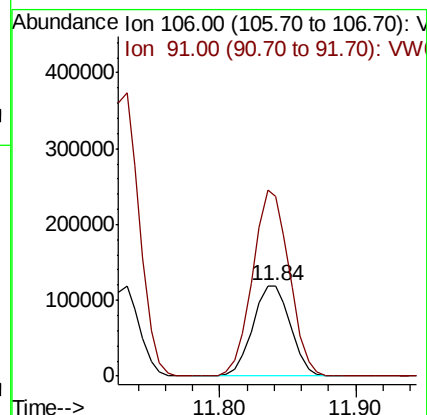
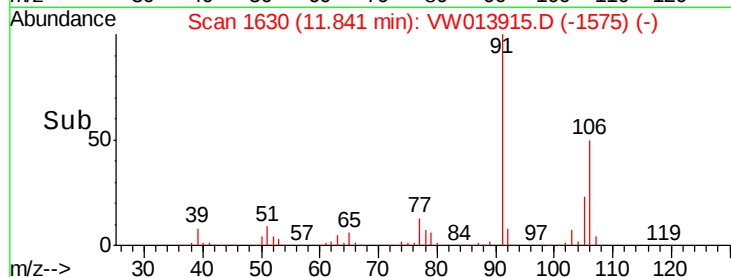
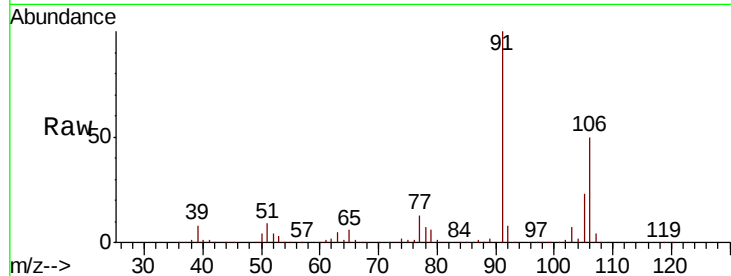
ClientSampleId :

Tot Ion:106 Resp: 231861

Ion Ratio Lower Upper

106 100

91 198.5 133.7 248.3



#55

o-xylene

Concen: 25.072 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW013915.D

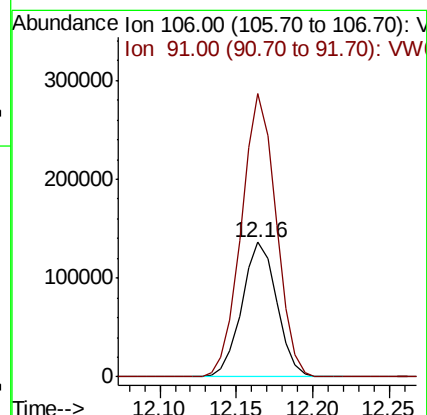
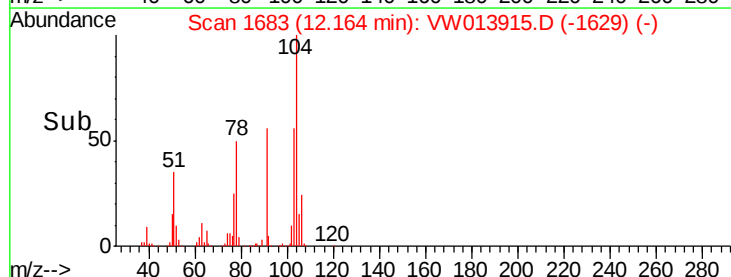
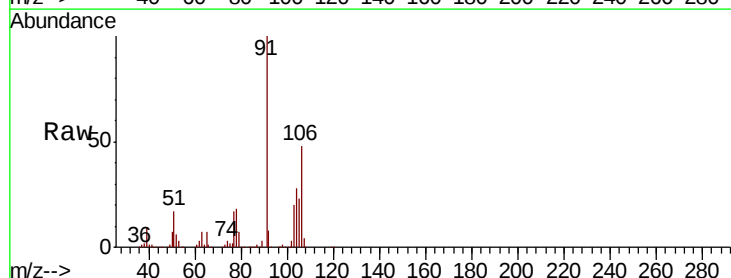
Acq: 06 Nov 2019 09:33

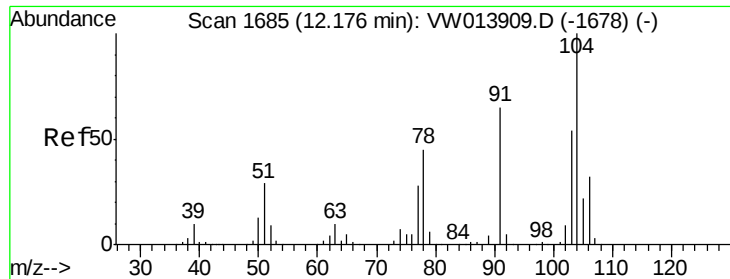
Tgt Ion:106 Resp: 215952

Ion Ratio Lower Upper

106 100

91 210.4 145.6 270.4





#56

Stvrene

Concen: 25.472 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VW013915.D

Acq: 06 Nov 2019 09:33

Instrument :

MSVOA_W

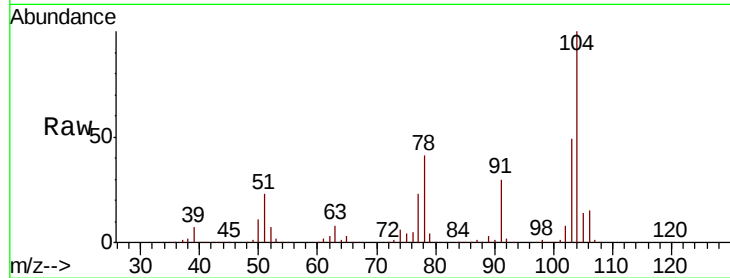
ClientSampled :

Tot Ion:104 Resp: 378614

Ion Ratio Lower Upper

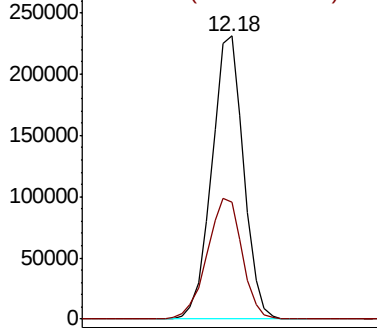
104 100

78 41.1 29.2 54.2

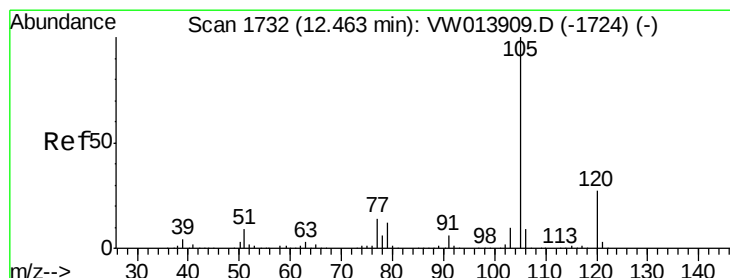
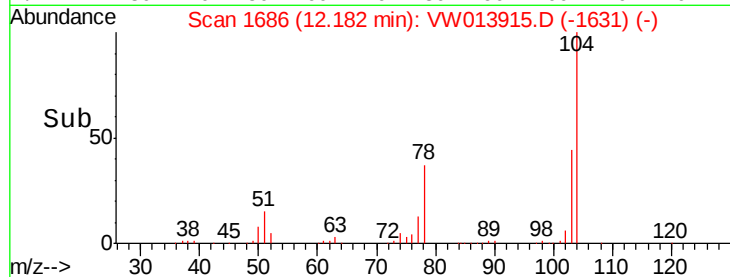


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW



Time-->



#57

Isopropylbenzene

Concen: 25.669 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013915.D

Acq: 06 Nov 2019 09:33

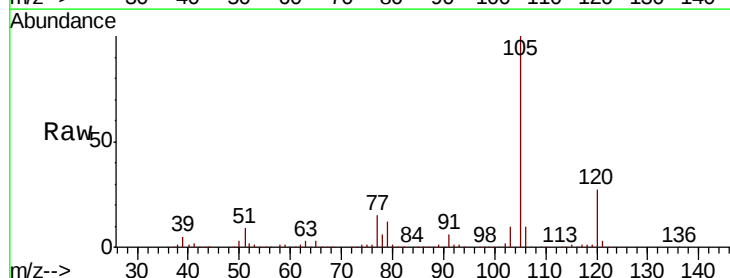
Tgt Ion:105 Resp: 596180

Ion Ratio Lower Upper

105 100

120 26.8 21.5 32.3

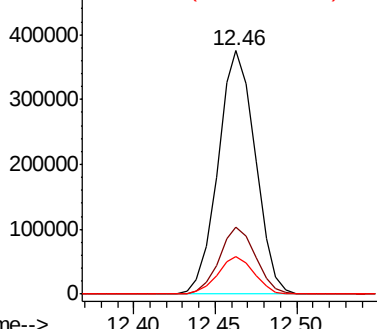
77 15.2 11.7 17.5



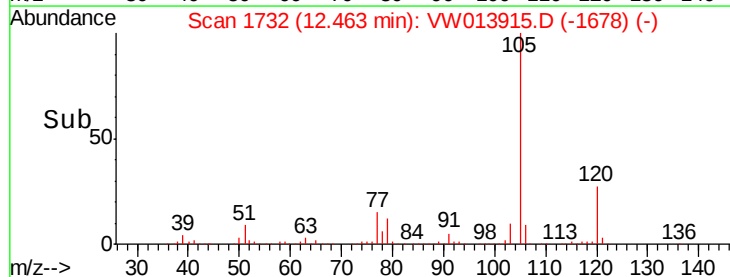
Abundance Ion 105.00 (104.70 to 105.70): V

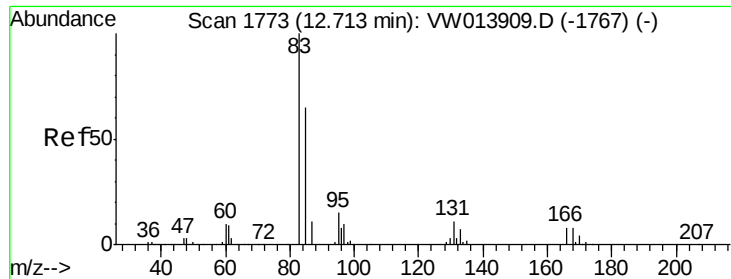
Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VW



Time-->





#58

1,1,2,2-Tetrachloroethane

Concen: 22.117 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013915.D

Acq: 06 Nov 2019 09:33

Instrument :

MSVOA_W

ClientSampleId :

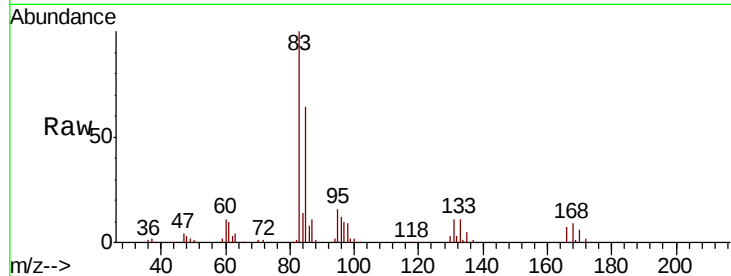
Tot Ion: 83 Resp: 107914

Ion	Ratio	Lower	Upper
83	100		
85	63.8	45.6	84.6
131	11.3	7.8	11.8

83 100

85 63.8 45.6 84.6

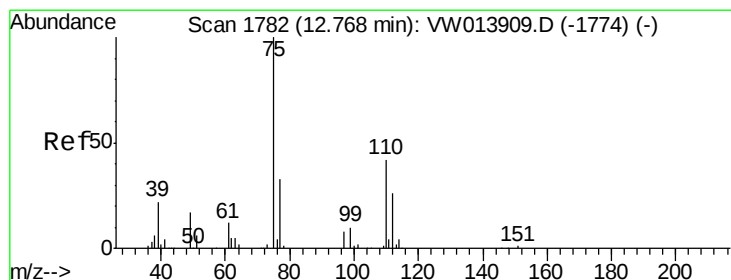
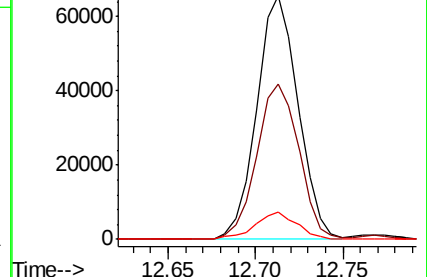
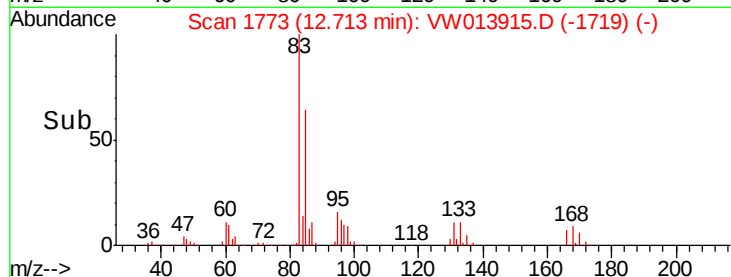
131 11.3 7.8 11.8



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: 21.770 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW013915.D

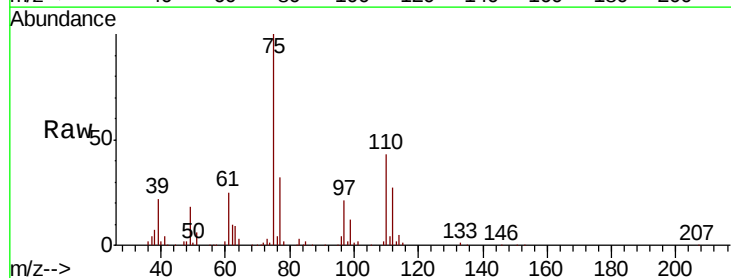
Acq: 06 Nov 2019 09:33

Tgt Ion: 75 Resp: 79751

Ion	Ratio	Lower	Upper
75	100		
77	32.6	25.9	38.9

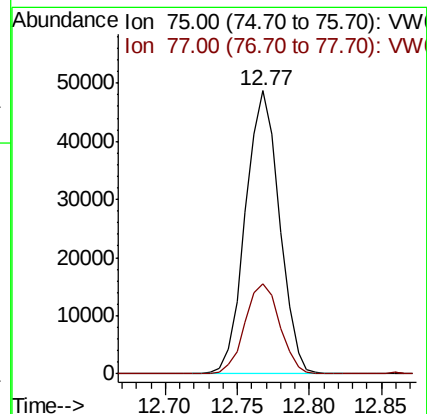
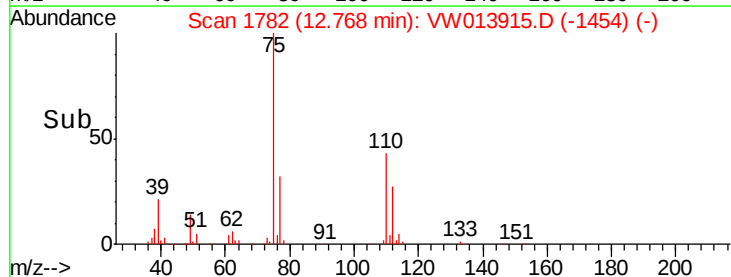
75 100

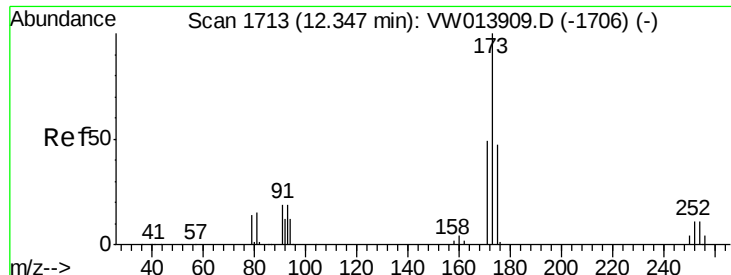
77 32.6 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

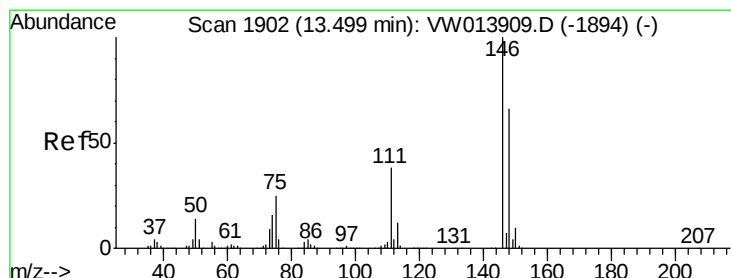
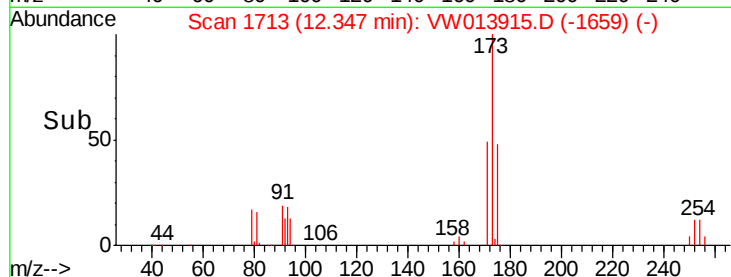
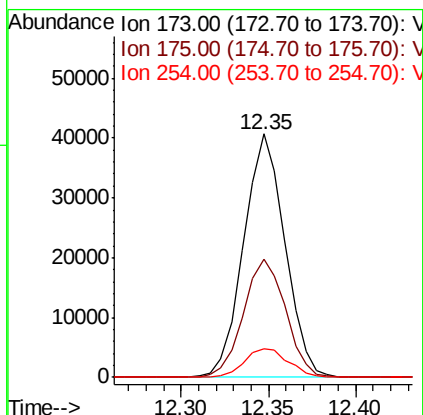
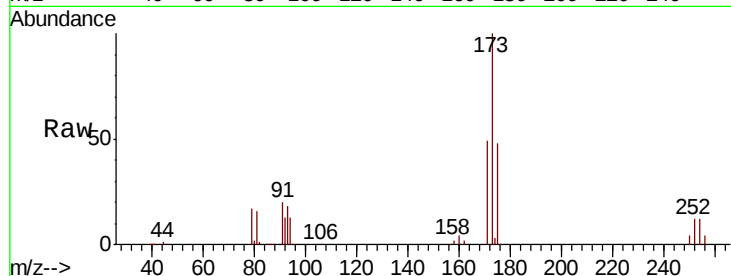




#62
Bromoform
Concen: 22.639 ug/L
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW013915.D
Acq: 06 Nov 2019 09:33

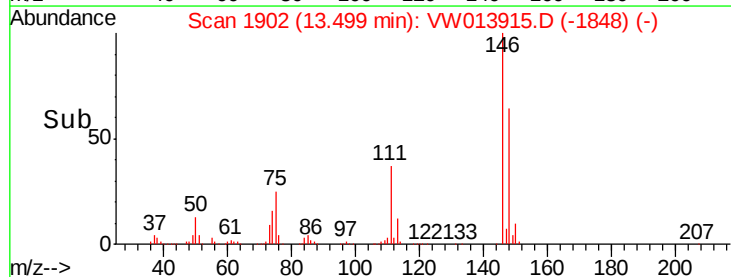
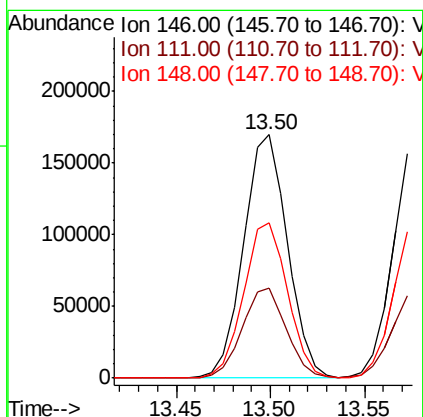
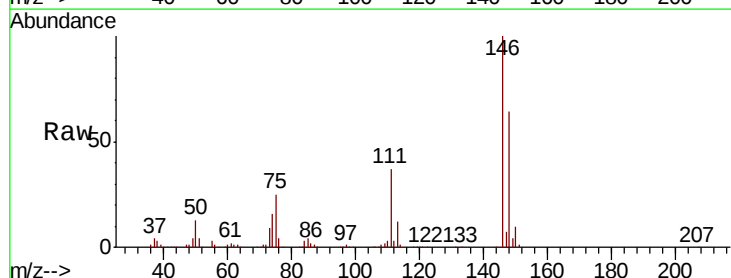
Instrument :
MSVOA_W
ClientSampleId :

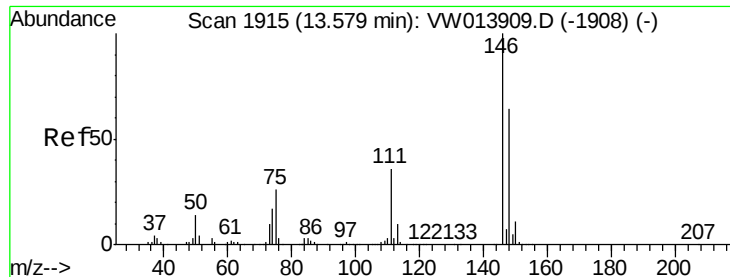
Tot Ion:173 Resp: 66762
Ion Ratio Lower Upper
173 100
175 49.3 39.7 59.5
254 12.4 10.0 15.0



#63
1,3-Dichlorobenzene
Concen: 24.388 ug/L
RT: 13.50 min Scan# 1902
Delta R.T. -0.00 min
Lab File: VW013915.D
Acq: 06 Nov 2019 09:33

Tgt Ion:146 Resp: 273936
Ion Ratio Lower Upper
146 100
111 36.8 27.4 51.0
148 63.6 44.6 82.8





#64

1,4-Dichlorobenzene

Concen: 24.153 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW013915.D

Acq: 06 Nov 2019 09:33

Instrument :

MSVOA_W

ClientSampleId :

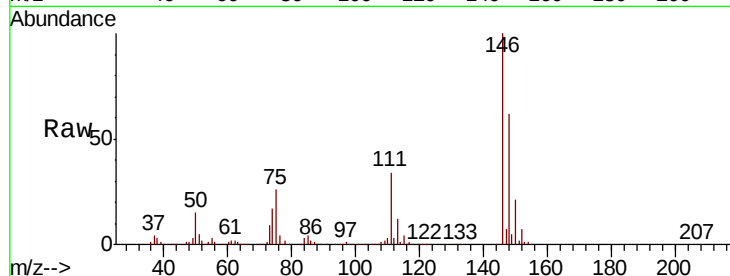
Tot Ion:146 Resp: 271945

Ion Ratio Lower Upper

146 100

111 34.0 25.9 48.1

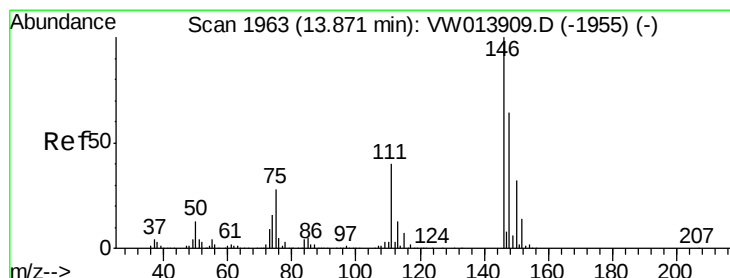
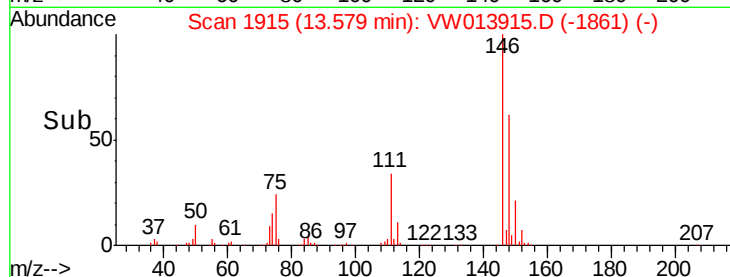
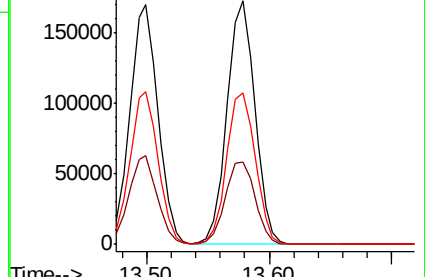
148 62.3 46.3 86.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,2-Dichlorobenzene

Concen: 24.243 ug/L

RT: 13.87 min Scan# 1962

Delta R.T. -0.01 min

Lab File: VW013915.D

Acq: 06 Nov 2019 09:33

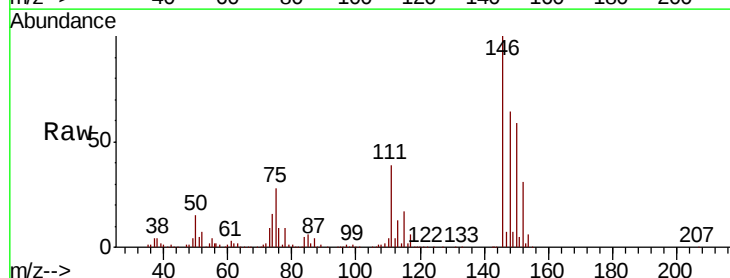
Tgt Ion:146 Resp: 246218

Ion Ratio Lower Upper

146 100

111 39.2 31.6 47.4

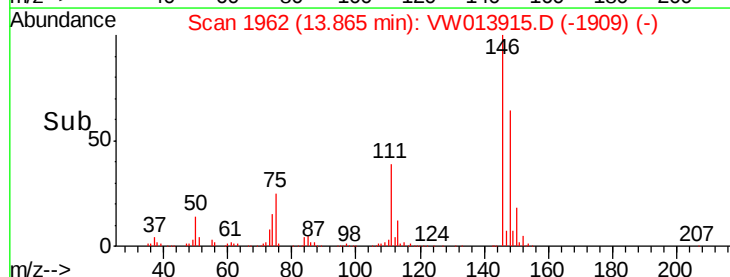
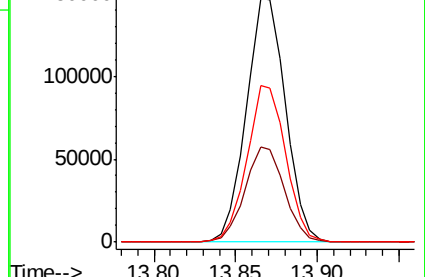
148 64.3 50.7 76.1

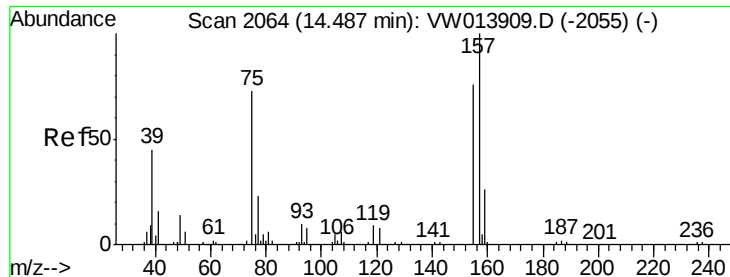


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#66

1,2-Dibromo-3-chloropropane

Concen: 20.102 ug/L

RT: 14.48 min Scan# 2063

Delta R.T. -0.01 min

Lab File: VW013915.D

Acq: 06 Nov 2019 09:33

Instrument :

MSVOA_W

ClientSampleId :

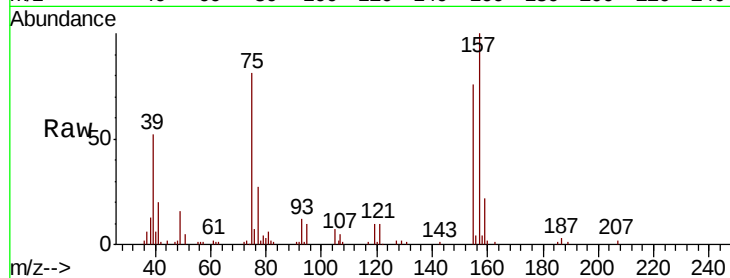
Tot Ion: 75 Resp: 16355

Ion Ratio Lower Upper

75 100

157 122.9 91.0 136.6

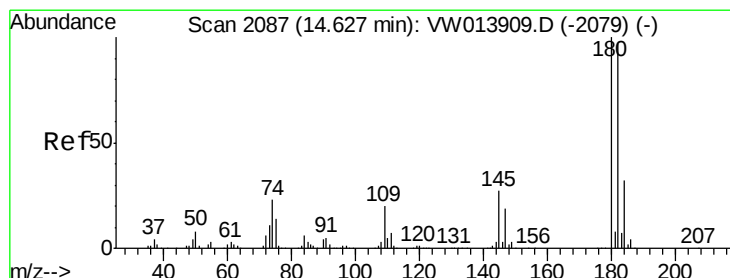
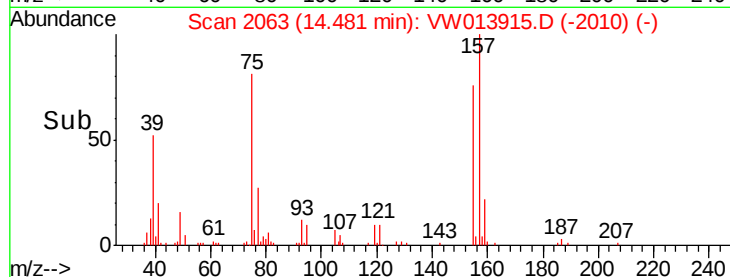
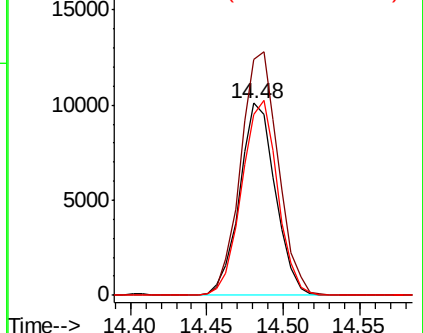
155 93.9 74.7 112.1



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: 24.871 ug/L

RT: 14.63 min Scan# 2087

Delta R.T. -0.00 min

Lab File: VW013915.D

Acq: 06 Nov 2019 09:33

Tgt Ion:180 Resp: 210406

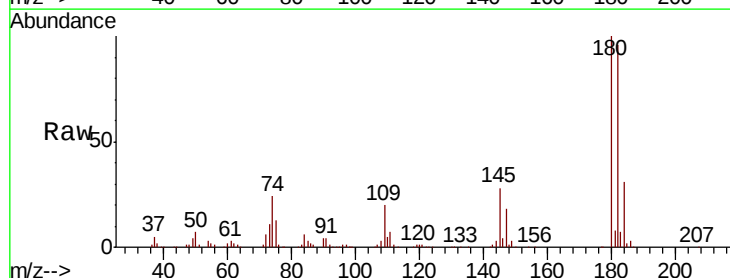
Ion Ratio Lower Upper

180 100

182 95.6 76.8 115.2

184 30.6 23.8 35.8

145 27.3 21.9 32.9

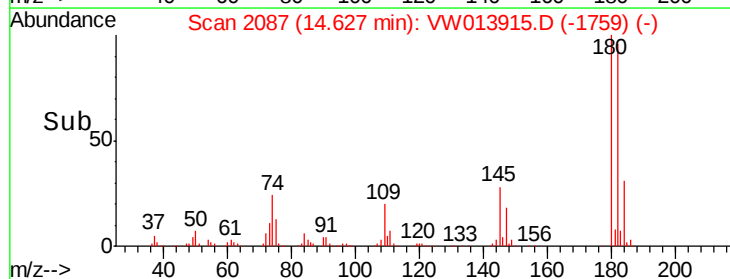
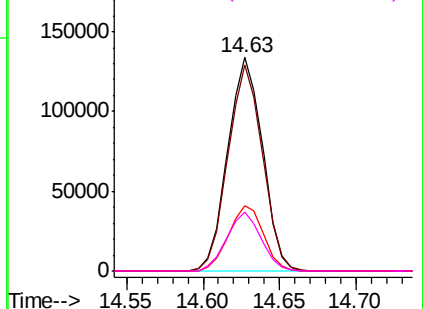


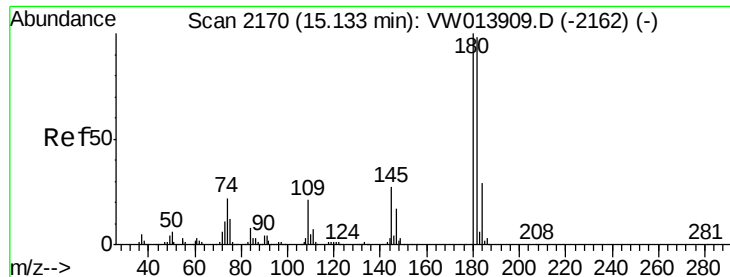
Abundance Ion 180.00 (179.70 to 180.70): V

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

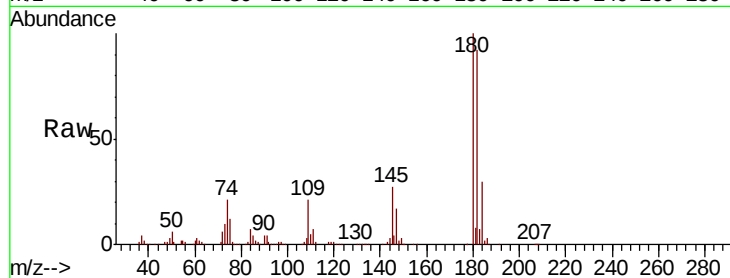




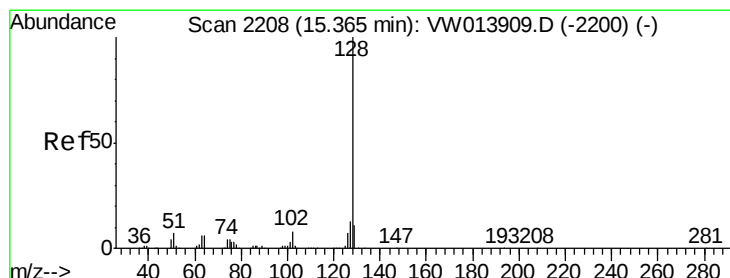
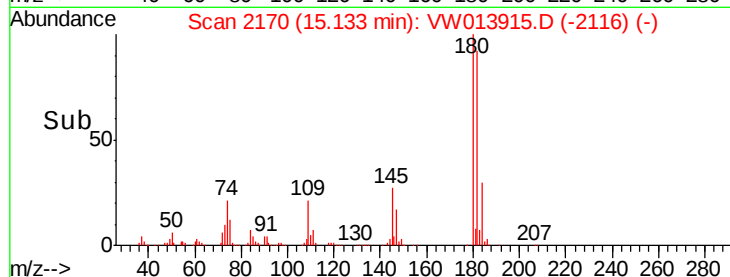
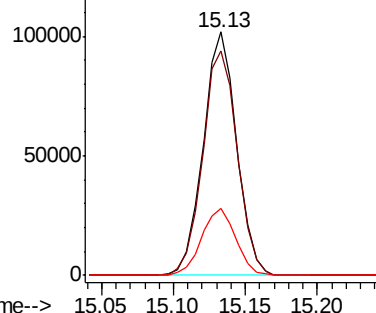
#68
1,2,4-trichlorobenzene
Concen: 23.999 ug/L
RT: 15.13 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VW013915.D
Acq: 06 Nov 2019 09:33

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	78.9	118.3
145	27.9	22.7	34.1

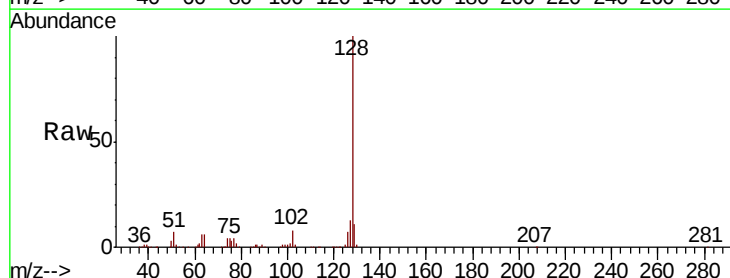


Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

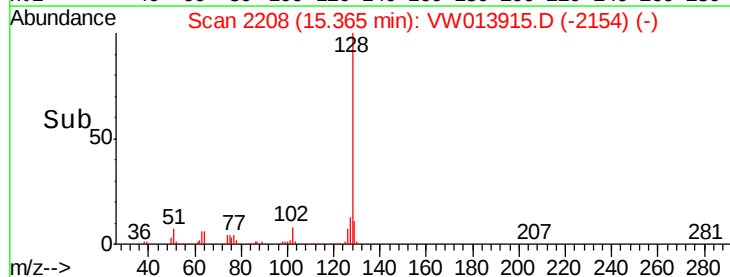
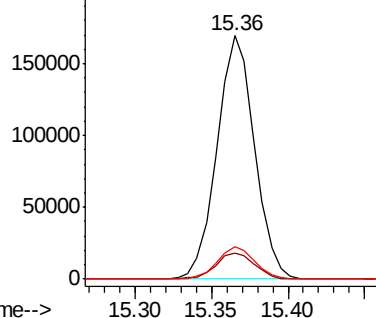


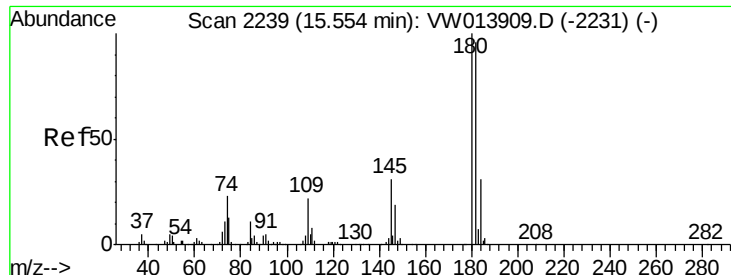
#69
Naphthalene
Concen: 22.224 ug/L
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013915.D
Acq: 06 Nov 2019 09:33

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	13.2	10.6	16.0



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





#70
 1,2,3-Trichlorobenzene
 Concen: 23.299 ug/L
 RT: 15.55 min Scan# 2239
 Delta R.T. -0.00 min
 Lab File: VW013915.D
 Acq: 06 Nov 2019 09:33

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	77.0	115.6
145	29.5	24.0	36.0

