

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091219\
 Data File : VW012933.D
 Acq On : 12 Sep 2019 13:49
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VICV06

Quant Time: Sep 12 18:33:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091219S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 12 13:49:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	407776	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	363471	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	181685	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	104672	25.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.12%
7) Chloroethane-d5	2.89	69	87323	25.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.52%
10) 1,1-Dichloroethene-d2	4.02	63	250895	25.58	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	102.32%
20) 2-Butanone-d5	7.07	46	77039	50.24	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.48%
24) Chloroform-d	7.65	84	256549	24.88	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.52%
26) 1,2-Dichloroethane-d4	8.31	65	134667	24.45	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.80%
29) Benzene-d6	8.27	84	457213	24.65	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.60%
33) 1,2-Dichloropropane-d6	9.27	67	149130	24.36	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.44%
37) Toluene-d8	10.32	98	442388	25.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.20%
38) trans-1,3-Dichloropropene-	10.58	79	67250	24.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.72%
39) 2-Hexanone-d5	10.92	63	56209	48.66	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.32%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	114692	24.82	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	99.28%
61) 1,2-Dichlorobenzene-d4	13.85	152	173519	25.07	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.28%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	84022	26.692	ug/L 96
3) Chloromethane	2.21	50	116162	27.047	ug/L 97
5) Vinyl chloride	2.36	62	147540	26.602	ug/L 97
6) Bromomethane	2.78	94	87119	26.299	ug/L 100
8) Chloroethane	2.92	64	88303	26.404	ug/L 98
9) Trichlorofluoromethane	3.26	101	83162	25.011	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	125749	25.826	ug/L 99
12) 1,1-Dichloroethene	4.04	96	124489	25.601	ug/L 95
13) Acetone	4.12	43	69846	52.852	ug/L 97
14) Carbon disulfide	4.39	76	389105	26.765	ug/L 100
15) Methyl Acetate	4.67	43	60217	24.398	ug/L 99
16) Methylene chloride	4.92	84	132971	23.884	ug/L 98
17) Methyl tert-butyl Ether	5.42	73	210975	24.937	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	134299	25.751	ug/L 97
19) 1,1-Dichloroethane	6.21	63	251943	25.496	ug/L 99
21) 2-Butanone	7.17	43	91030	52.286	ug/L 76
22) cis-1,2-Dichloroethene	7.17	96	142636	25.782	ug/L 98

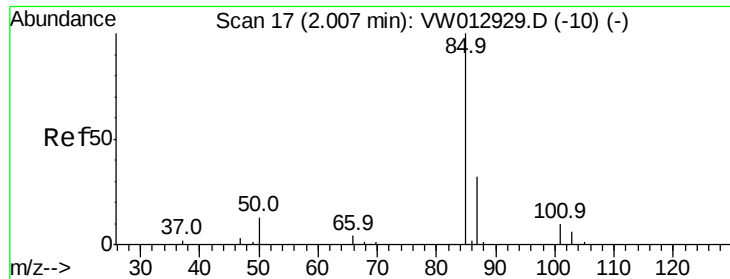
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091219\
 Data File : VW012933.D
 Acq On : 12 Sep 2019 13:49
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VICV06

Quant Time: Sep 12 18:33:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091219S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 12 13:49:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	58728	24.502	ug/L	97
25) Chloroform	7.67	83	248653	24.989	ug/L	99
27) 1,2-Dichloroethane	8.40	62	168491	25.056	ug/L	97
30) Cyclohexane	7.96	56	248774	25.680	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	206203	24.889	ug/L	99
32) Carbon tetrachloride	8.07	117	195326	25.249	ug/L	100
34) Benzene	8.32	78	547730	25.060	ug/L	100
35) Trichloroethene	9.09	95	142834	24.762	ug/L	99
36) Methylcyclohexane	9.34	83	254702	25.534	ug/L	98
40) 1,2-Dichloropropane	9.37	63	135608	24.665	ug/L	100
41) Bromodichloromethane	9.64	83	175567	25.067	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	221992	25.700	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	176031	50.330	ug/L	100
44) Toluene	10.38	91	593291	25.368	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	176892	25.265	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	91503	24.749	ug/L	99
47) Tetrachloroethene	10.86	164	122768	24.717	ug/L	98
49) 2-Hexanone	10.97	43	135411	52.377	ug/L	99
50) Dibromochloromethane	11.13	129	114228	25.368	ug/L	96
51) 1,2-Dibromoethane	11.23	107	88880	24.992	ug/L #	97
52) Chlorobenzene	11.66	112	362666	24.819	ug/L	97
53) Ethylbenzene	11.73	91	675484	25.449	ug/L	99
54) m,p-Xylene	11.84	106	251452	25.338	ug/L	100
55) o-xylene	12.16	106	240045	25.712	ug/L	99
56) Styrene	12.18	104	404480	25.462	ug/L	99
57) Isopropylbenzene	12.46	105	657529	25.648	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	105664	25.127	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	78534	24.235	ug/L	98
62) Bromoform	12.35	173	64963	25.019	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	293623	25.513	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	288161	25.099	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	259306	25.125	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	16821	23.518	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	229735	25.951	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	183908	26.206	ug/L	96
69) Naphthalene	15.36	128	313519	27.585	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	159654	25.784	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 26.692 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012933.D

Acq: 12 Sep 2019 13:49

Instrument :

MSVOA_W

ClientSampleId :

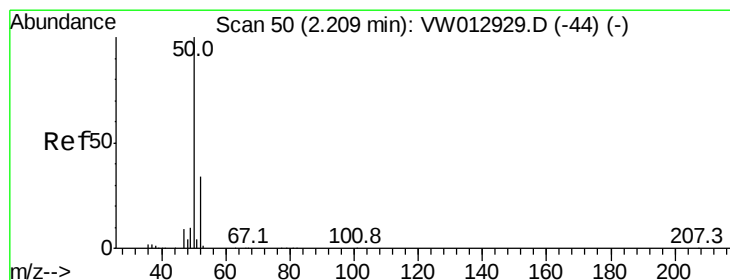
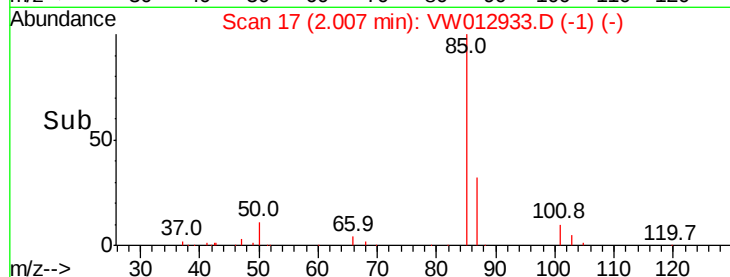
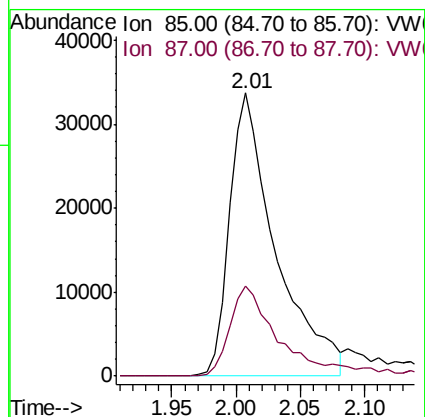
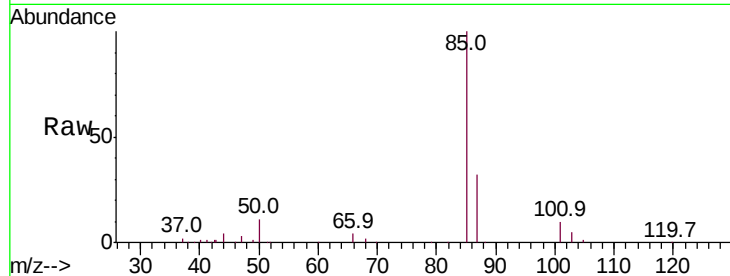
VICV06

Tot Ion: 85 Resp: 84022

Ion Ratio Lower Upper

85 100

87 31.1 20.1 37.3



#3

Chloromethane

Concen: 27.047 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW012933.D

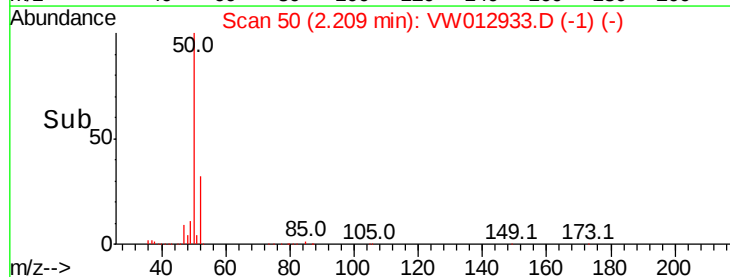
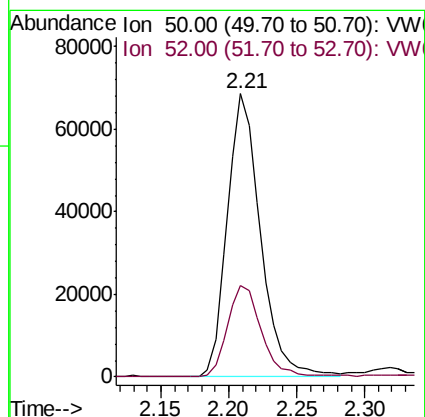
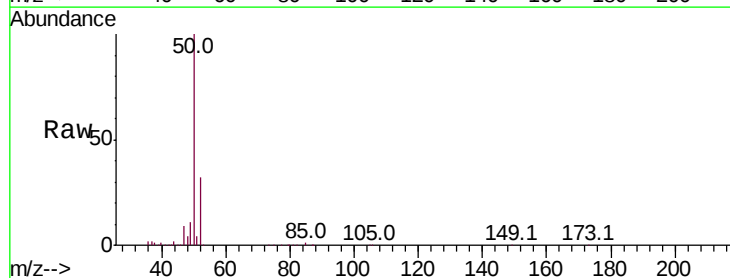
Acq: 12 Sep 2019 13:49

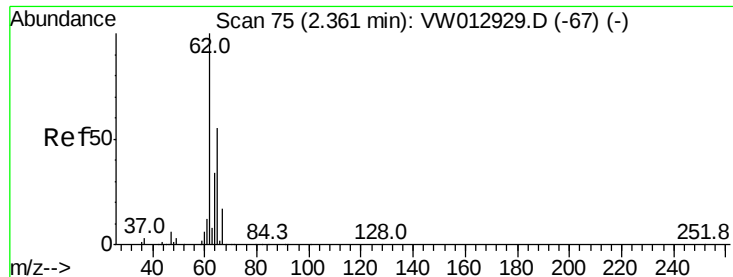
Tgt Ion: 50 Resp: 116162

Ion Ratio Lower Upper

50 100

52 32.1 23.5 43.7





#5

Vinyl chloride

Concen: 26.602 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012933.D

Acq: 12 Sep 2019 13:49

Instrument :

MSVOA_W

ClientSampled :

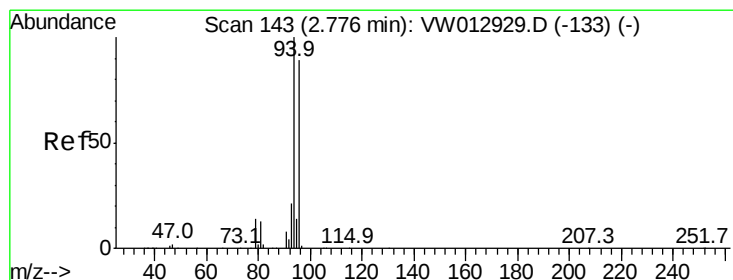
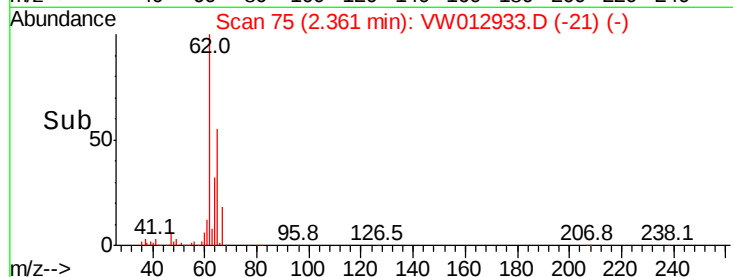
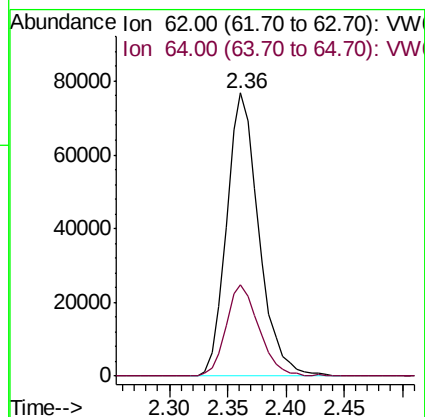
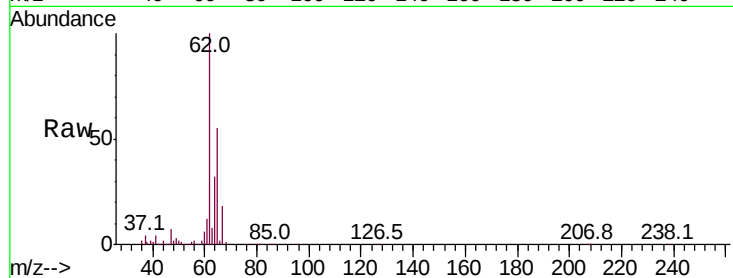
VICV06

Tot Ion: 62 Resp: 147540

Ion Ratio Lower Upper

62 100

64 32.4 23.7 44.1



#6

Bromomethane

Concen: 26.299 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW012933.D

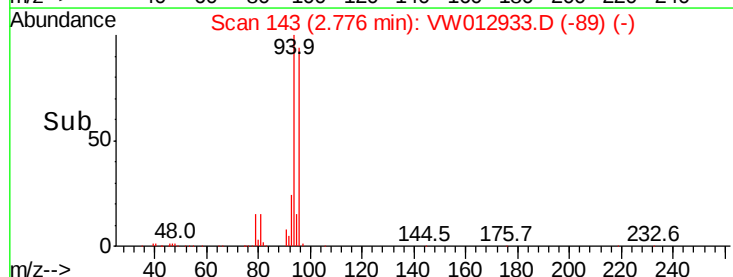
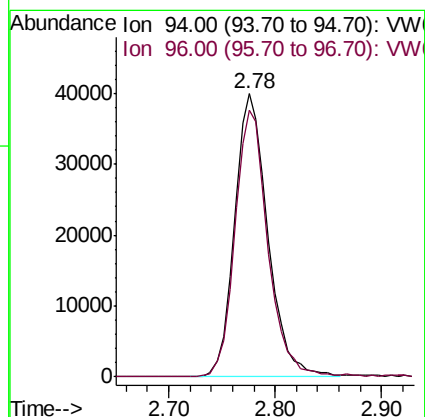
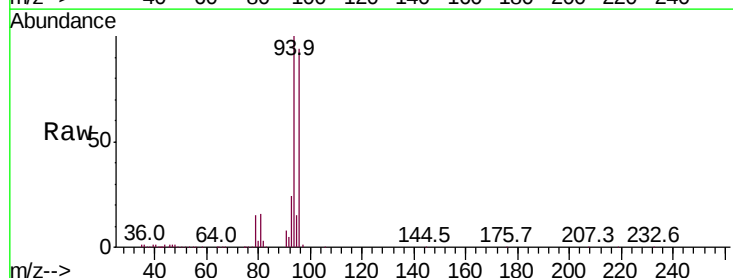
Acq: 12 Sep 2019 13:49

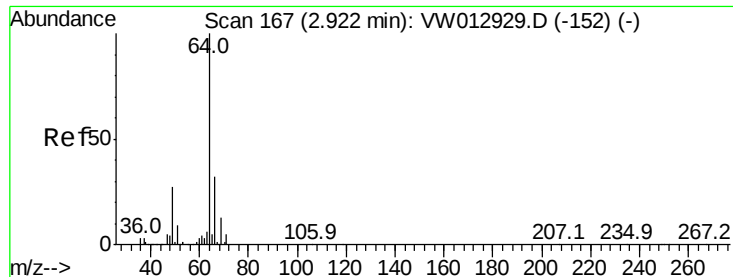
Tgt Ion: 94 Resp: 87119

Ion Ratio Lower Upper

94 100

96 93.3 9.3 176.9





#8

Chloroethane

Concen: 26.404 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW012933.D

Acq: 12 Sep 2019 13:49

Instrument :

MSVOA_W

ClientSampled :

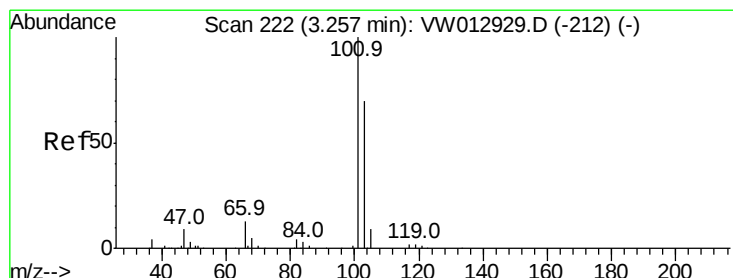
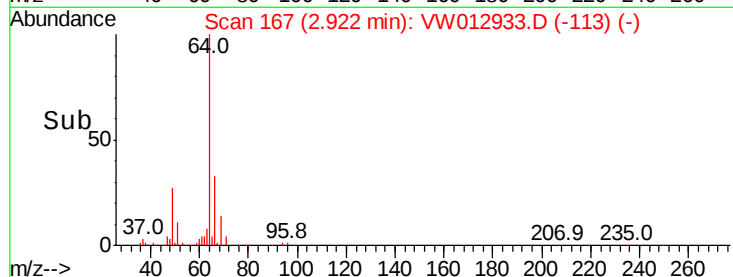
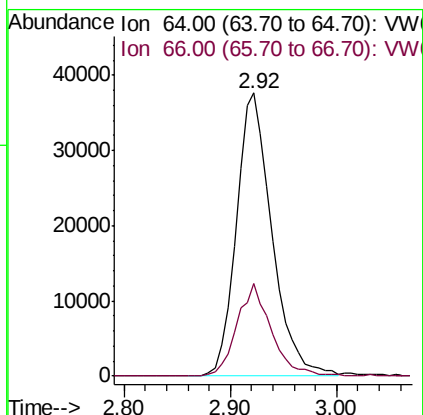
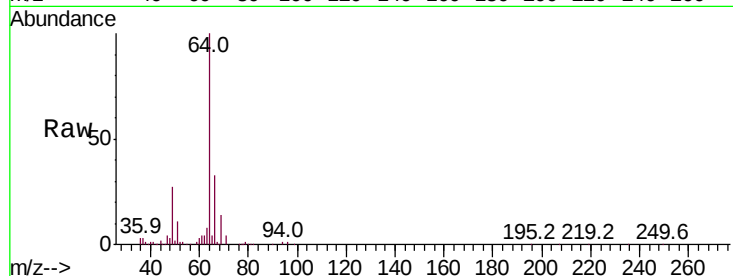
VICV06

Tot Ion: 64 Resp: 88303

Ion Ratio Lower Upper

64 100

66 32.5 22.1 41.1



#9

Trichlorofluoromethane

Concen: 25.011 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW012933.D

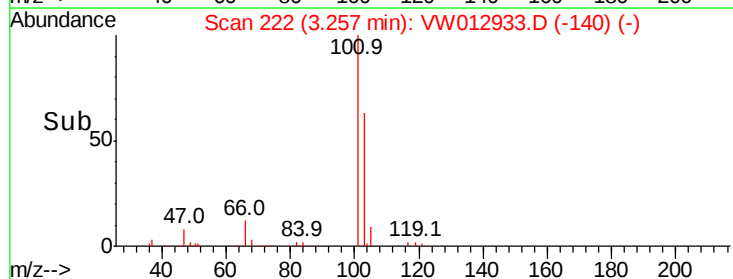
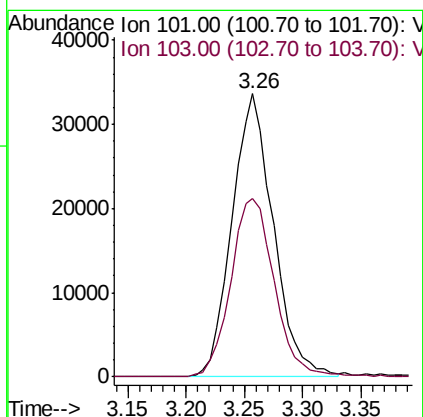
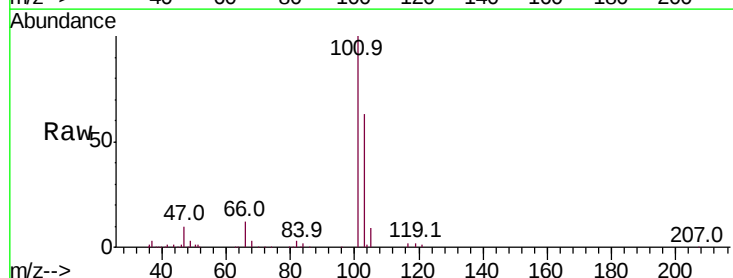
Acq: 12 Sep 2019 13:49

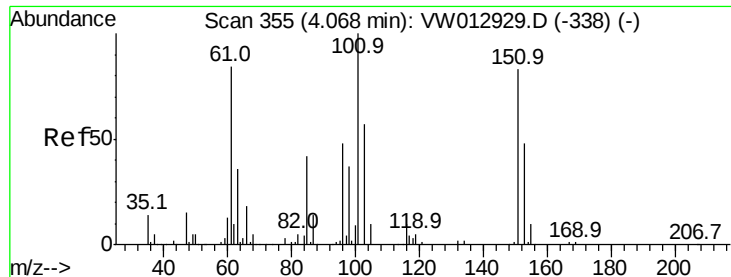
Tgt Ion:101 Resp: 83162

Ion Ratio Lower Upper

101 100

103 66.4 45.9 85.3





#11

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

Concen: 25.826 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW012933.D

Acq: 12 Sep 2019 13:49

Instrument :

MSVOA_W

ClientSampleId :

VICV06

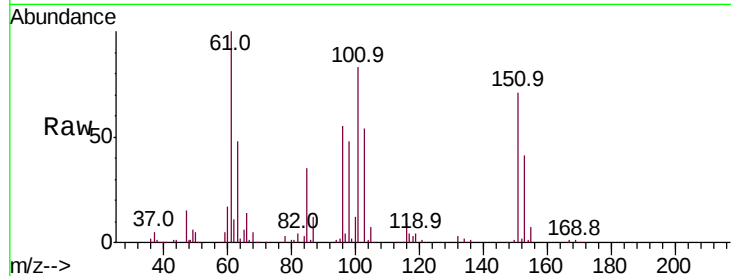
Tot Ion:101 Resp: 125749

Ion Ratio Lower Upper

101 100

85 43.5 34.6 52.0

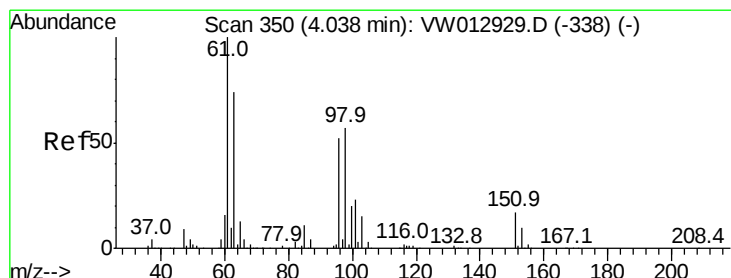
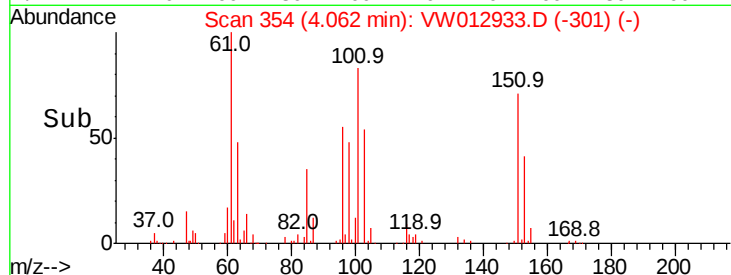
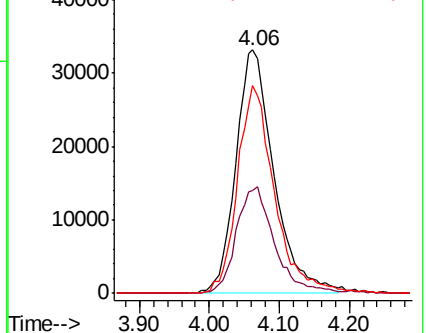
151 82.3 64.8 97.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 25.601 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW012933.D

Acq: 12 Sep 2019 13:49

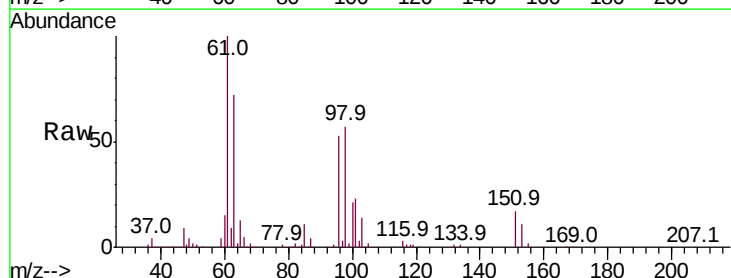
Tgt Ion: 96 Resp: 124489

Ion Ratio Lower Upper

96 100

61 188.5 135.3 251.3

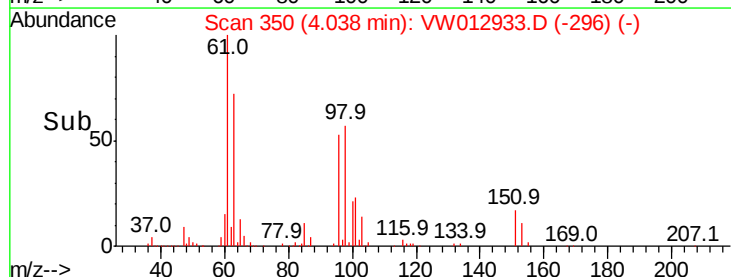
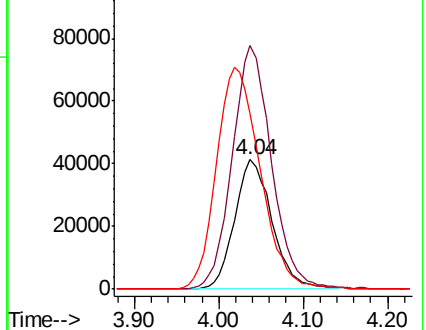
63 135.8 102.0 189.4

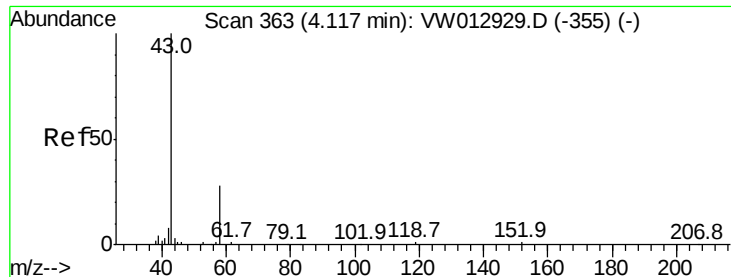


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 52.852 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW012933.D

Acq: 12 Sep 2019 13:49

Instrument :

MSVOA_W

ClientSampled :

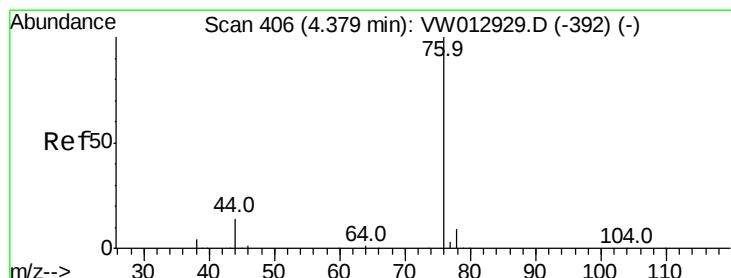
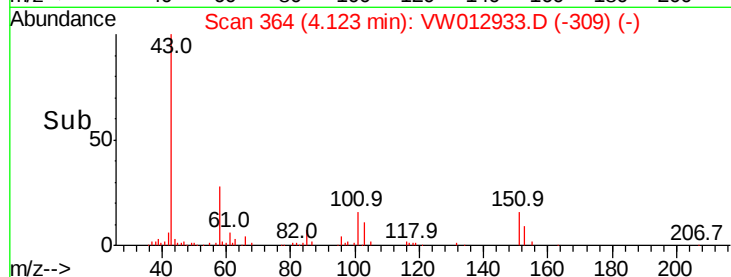
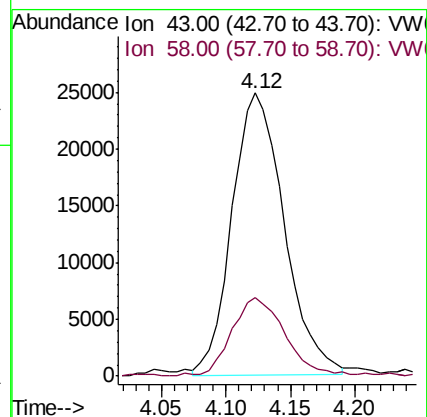
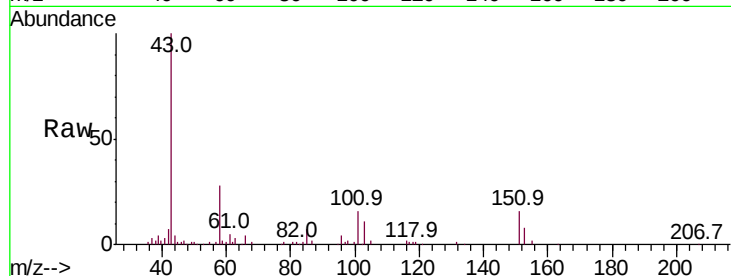
VICV06

Tot Ion: 43 Resp: 69846

Ion Ratio Lower Upper

43 100

58 28.3 0.0 59.4



#14

Carbon disulfide

Concen: 26.765 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW012933.D

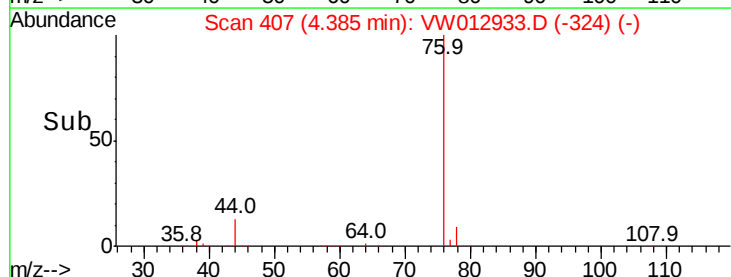
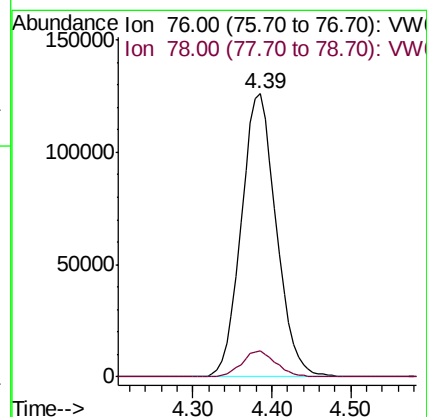
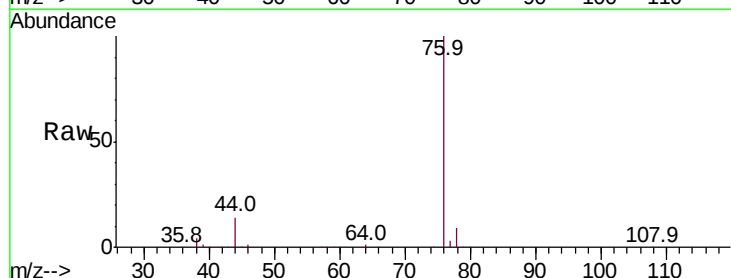
Acq: 12 Sep 2019 13:49

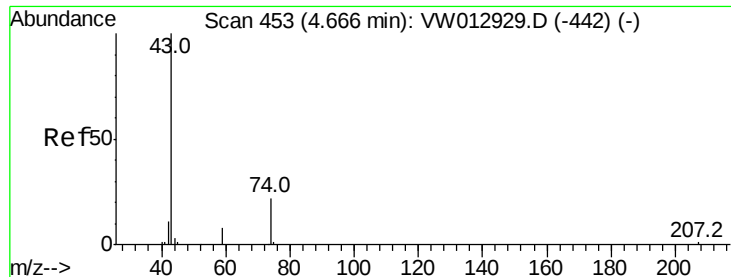
Tgt Ion: 76 Resp: 389105

Ion Ratio Lower Upper

76 100

78 9.4 7.5 11.3

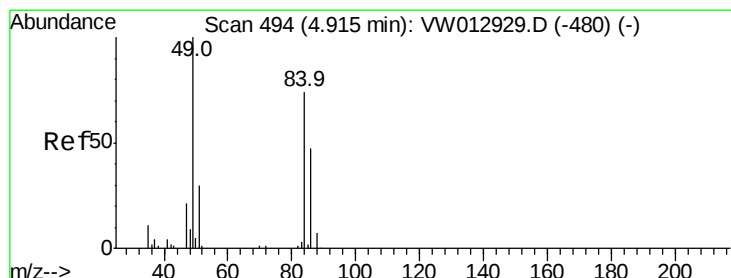
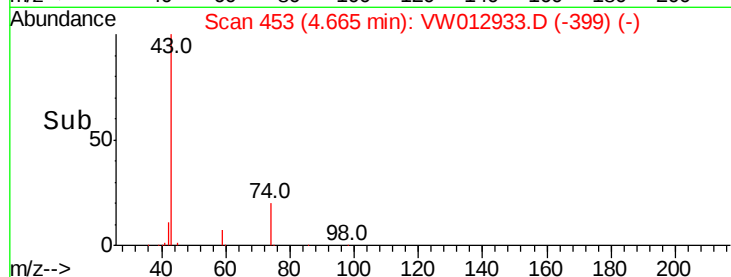
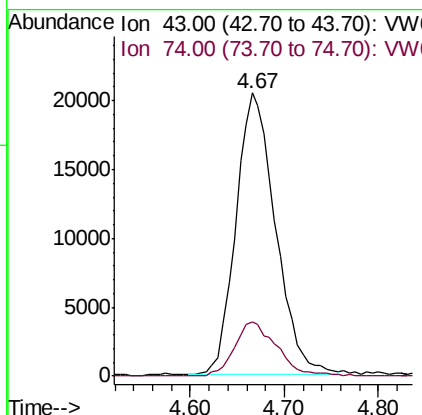
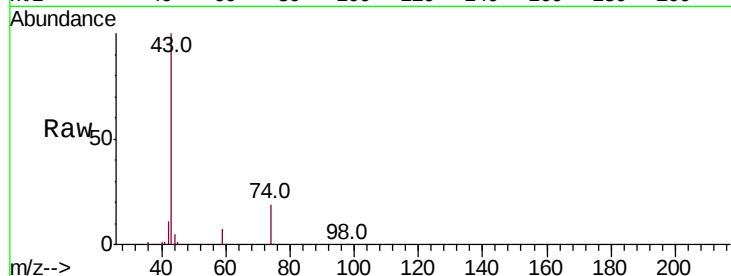




#15
Methvl Acetate
Concen: 24.398 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW012933.D
Acq: 12 Sep 2019 13:49

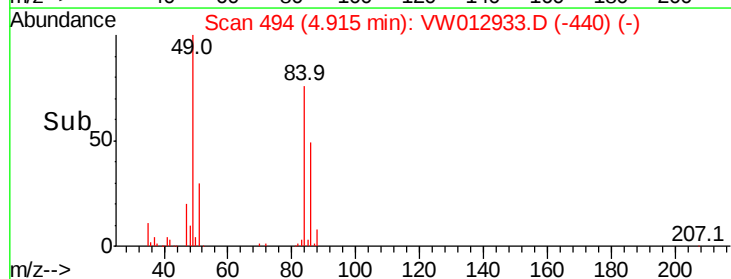
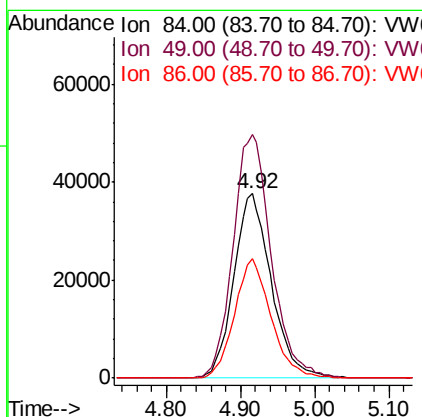
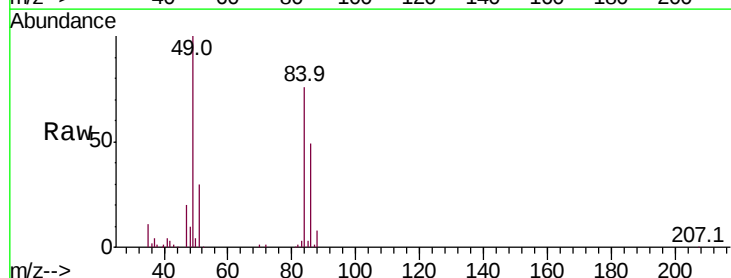
Instrument :
MSVOA_W
ClientSampled :
VICV06

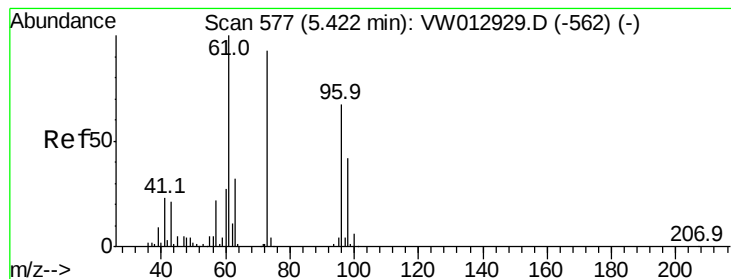
Tot Ion: 43 Resp: 60217
Ion Ratio Lower Upper
43 100
74 20.4 16.6 25.0



#16
Methylene chloride
Concen: 23.884 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW012933.D
Acq: 12 Sep 2019 13:49

Tgt Ion: 84 Resp: 132971
Ion Ratio Lower Upper
84 100
49 132.1 94.7 175.9
86 64.7 44.4 82.4



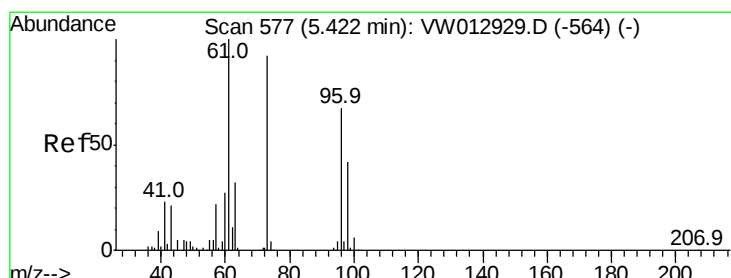
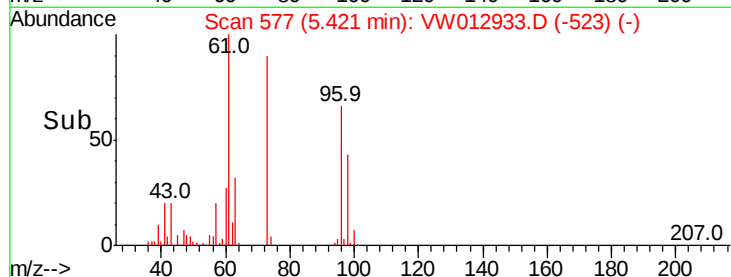
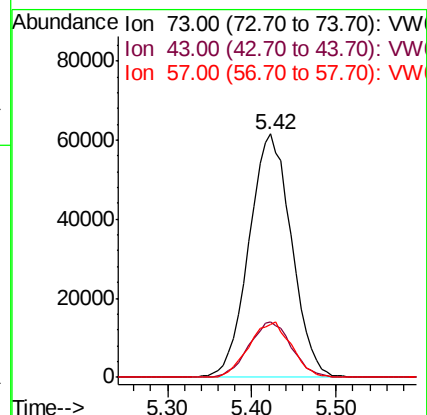
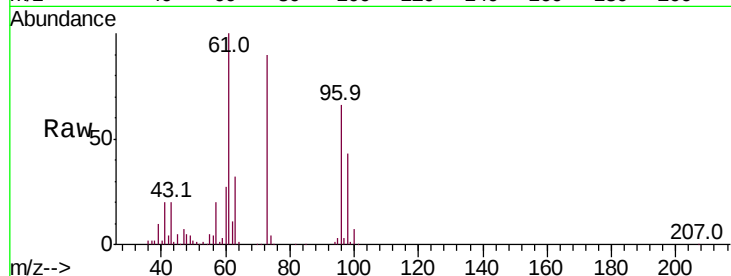


#17

Methvl tert-butvl Ether
 Concen: 24.937 ug/L
 RT: 5.42 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: VW012933.D
 Acq: 12 Sep 2019 13:49

Instrument :
 MSVOA_W
 ClientSampled :
 VICV06

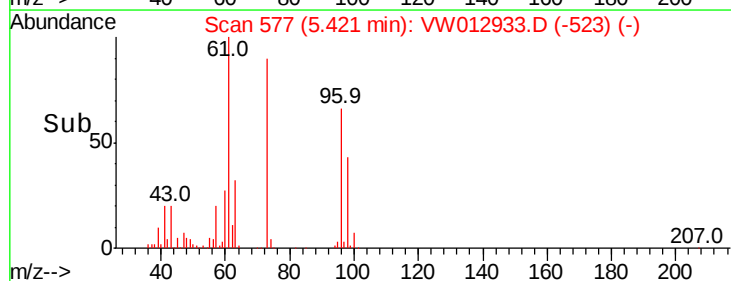
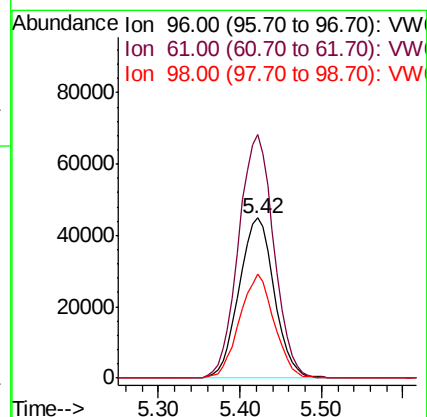
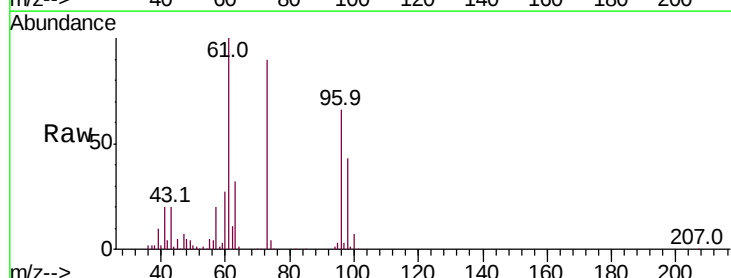
Tot Ion	Ratio	Lower	Upper
73	100		
43	23.1	18.0	27.0
57	22.8	18.0	27.0

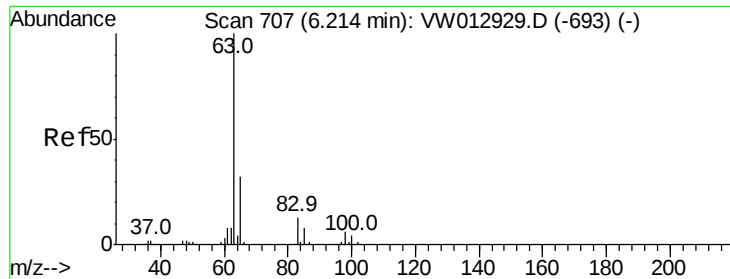


#18

trans-1,2-Dichloroethene
 Concen: 25.751 ug/L
 RT: 5.42 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: VW012933.D
 Acq: 12 Sep 2019 13:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.2	104.0	193.1
98	65.2	44.0	81.8

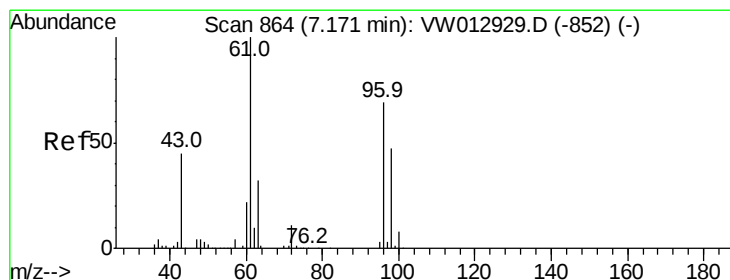
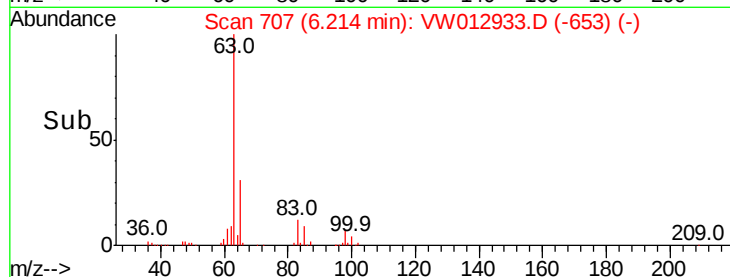
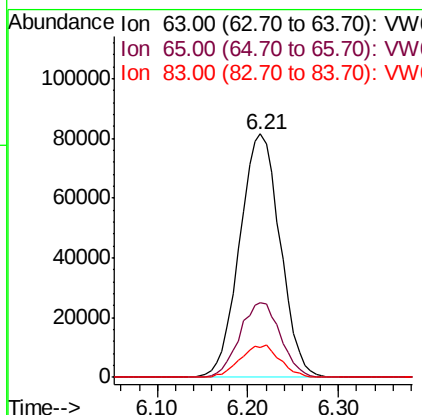
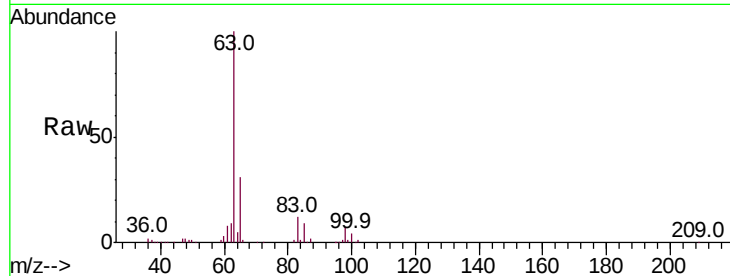




#19
 1,1-Dichloroethane
 Concen: 25.496 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW012933.D
 Acq: 12 Sep 2019 13:49

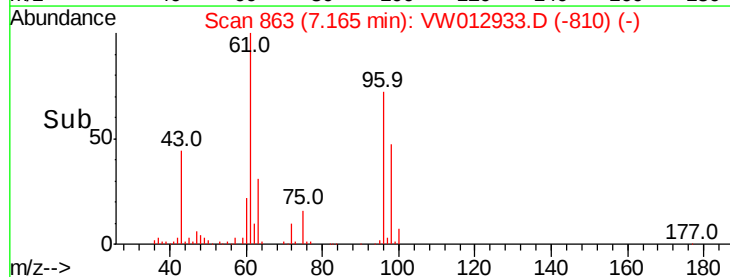
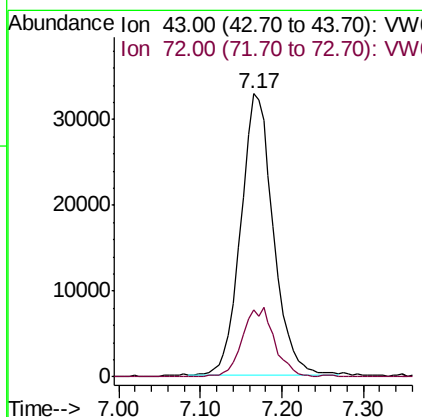
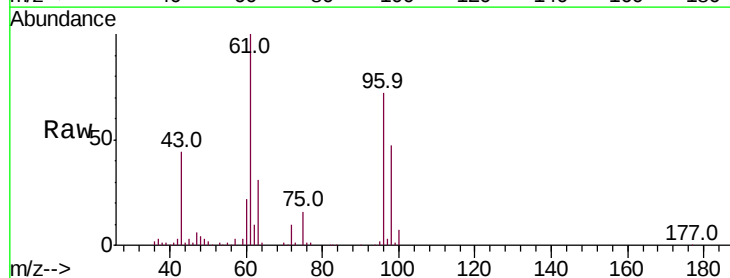
Instrument :
 MSVOA_W
 ClientSampled :
 VICV06

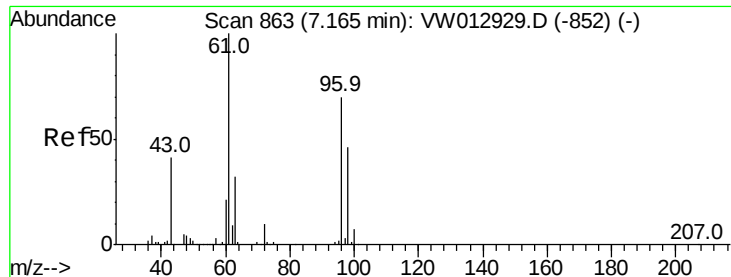
Tot Ion: 63 Resp: 251943
 Ion Ratio Lower Upper
 63 100
 65 30.7 22.0 41.0
 83 12.2 8.9 16.5



#21
 2-Butanone
 Concen: 52.286 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW012933.D
 Acq: 12 Sep 2019 13:49

Tgt Ion: 43 Resp: 91030
 Ion Ratio Lower Upper
 43 100
 72 13.5 12.7 38.1



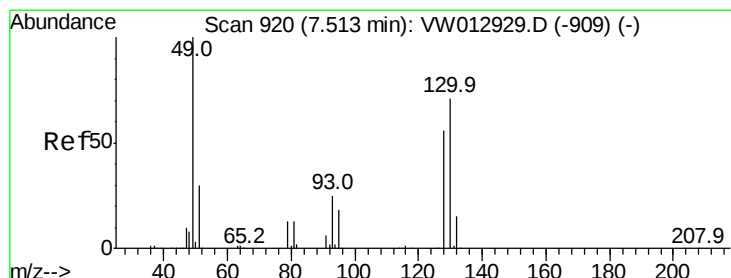
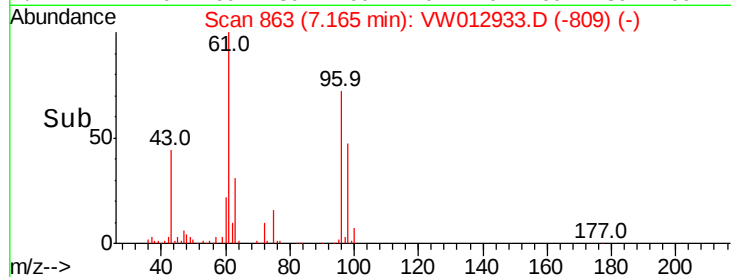
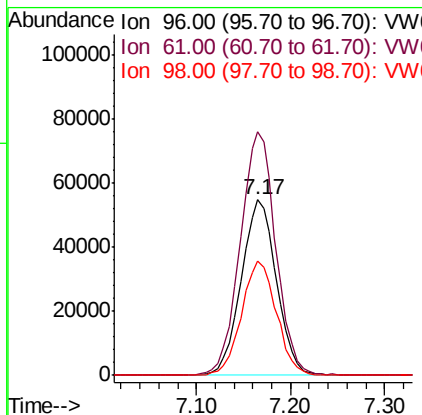
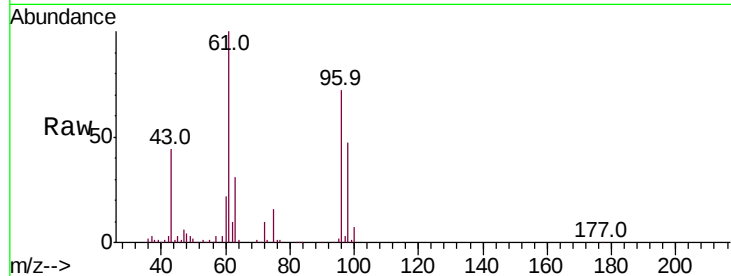


#22

cis-1,2-Dichloroethene
 Concen: 25.782 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW012933.D
 Acq: 12 Sep 2019 13:49

Instrument :
 MSVOA_W
 ClientSampled :
 VICV06

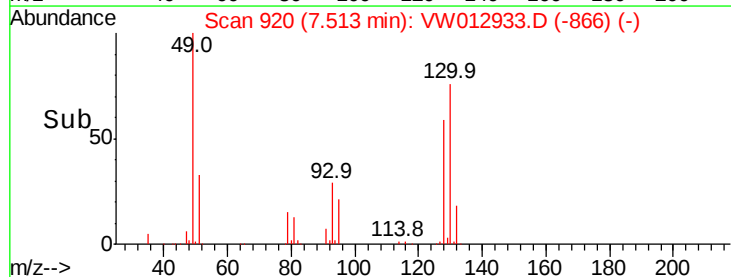
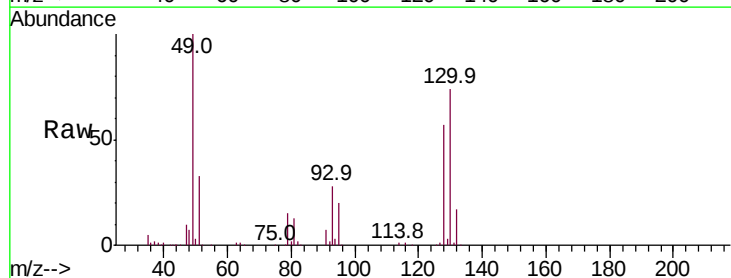
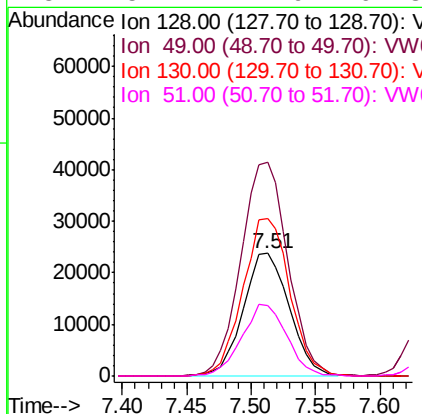
Tot Ion	Ratio	Lower	Upper
96	100		
61	139.0	99.5	184.7
98	65.2	45.6	84.6

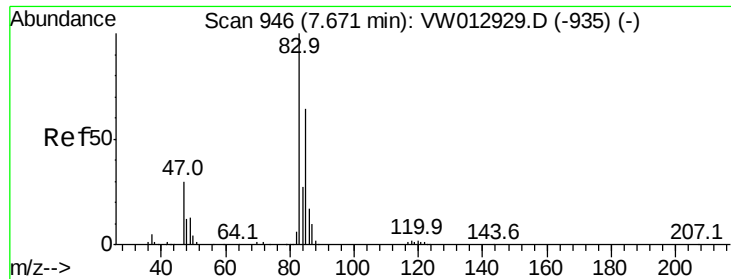


#23

Bromochloromethane
 Concen: 24.502 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW012933.D
 Acq: 12 Sep 2019 13:49

Tgt Ion	Ratio	Lower	Upper
128	100		
49	174.0	125.7	233.5
130	128.7	89.0	165.4
51	57.4	42.9	64.3

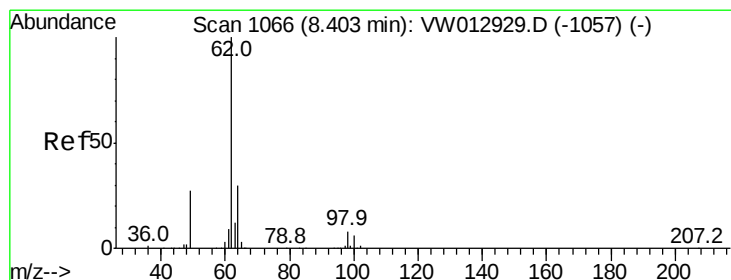
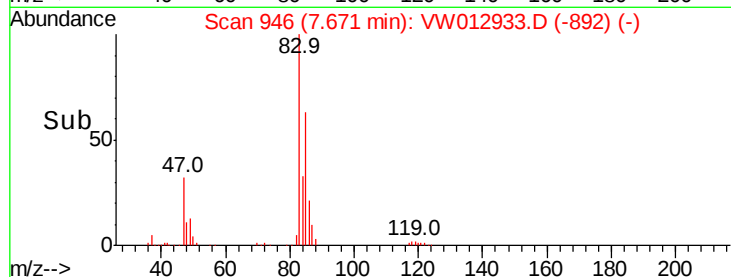
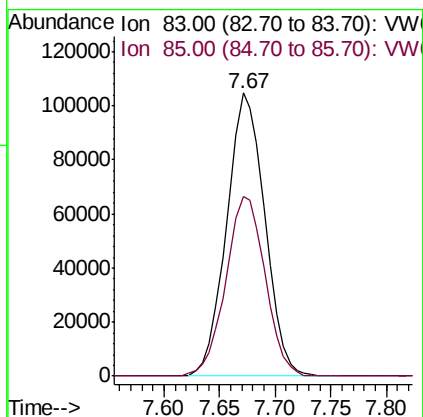
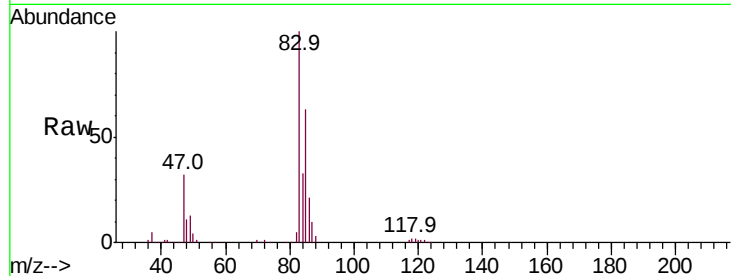




#25
Chloroform
Concen: 24.989 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW012933.D
Acq: 12 Sep 2019 13:49

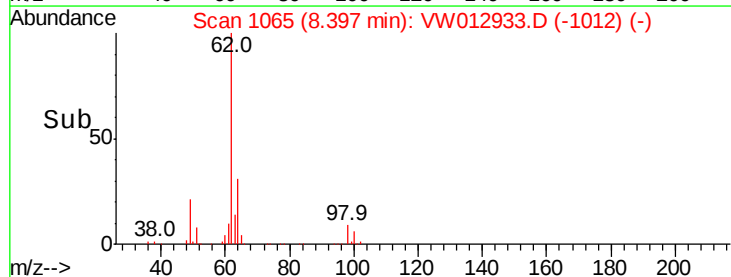
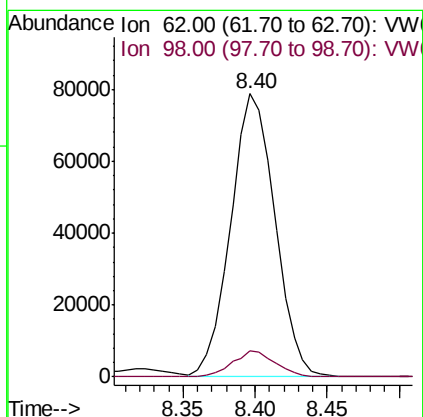
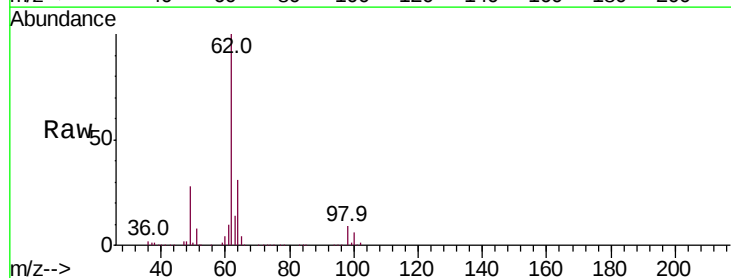
Instrument :
MSVOA_W
ClientSampleId :
VICV06

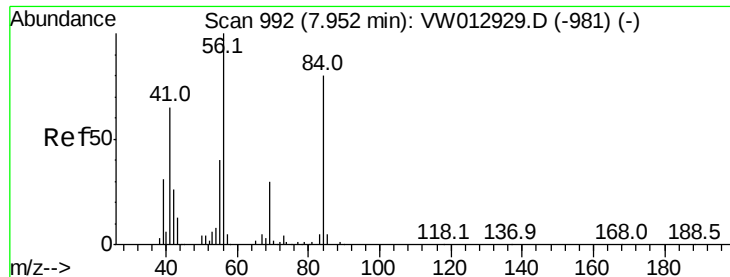
Tot Ion: 83 Resp: 248653
Ion Ratio Lower Upper
83 100
85 65.5 45.3 84.1



#27
1,2-Dichloroethane
Concen: 25.056 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW012933.D
Acq: 12 Sep 2019 13:49

Tgt Ion: 62 Resp: 168491
Ion Ratio Lower Upper
62 100
98 9.4 6.7 10.1

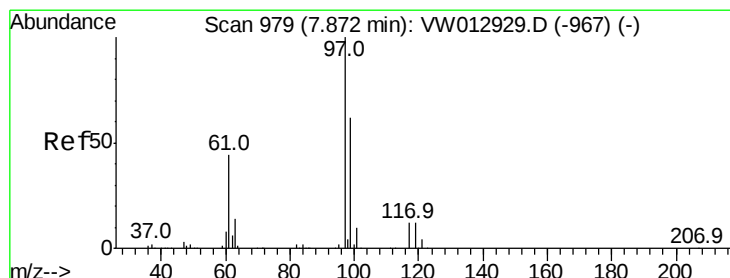
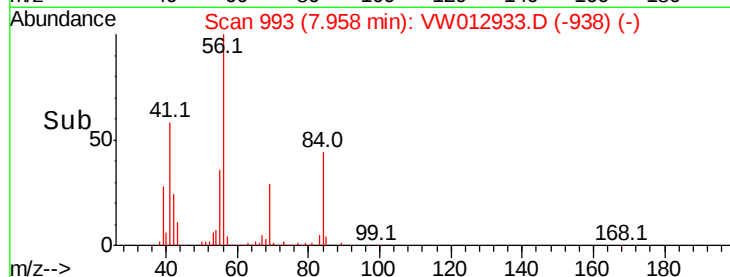
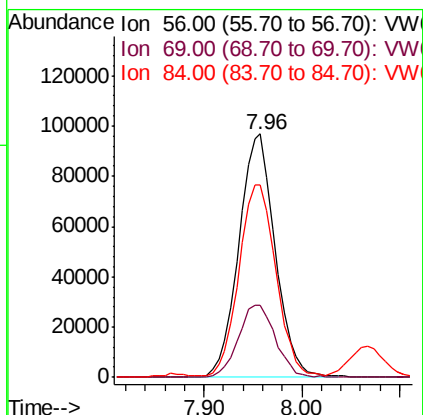
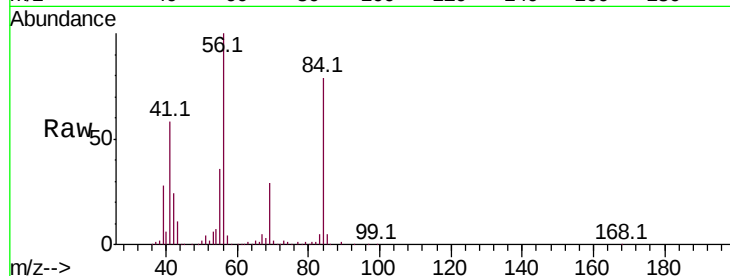




#30
Cvclohexane
Concen: 25.680 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.01 min
Lab File: VW012933.D
Acq: 12 Sep 2019 13:49

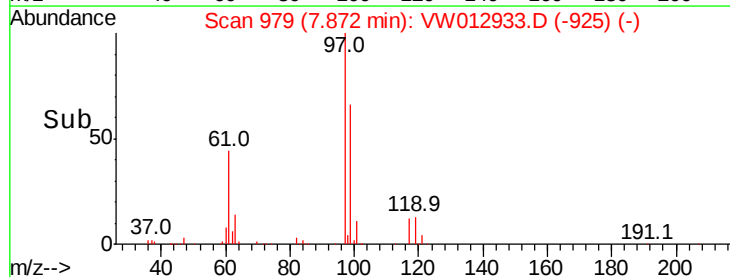
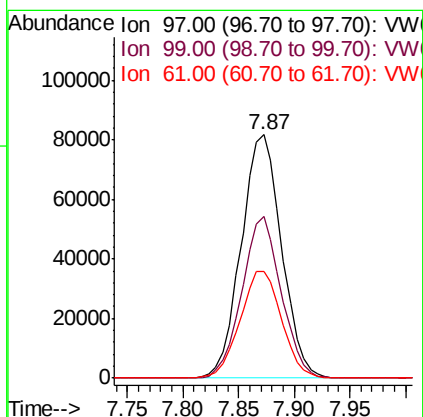
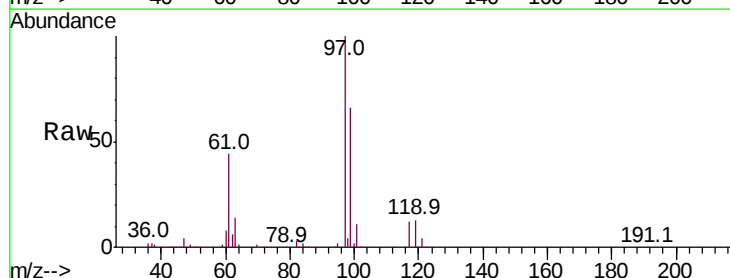
Instrument :
MSVOA_W
ClientSampleId :
VICV06

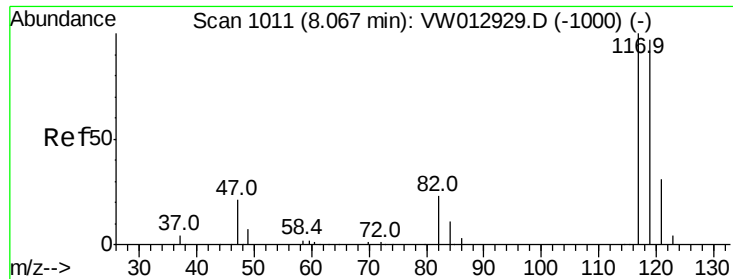
Tot Ion: 56 Resp: 248774
Ion Ratio Lower Upper
56 100
69 30.3 23.8 35.8
84 81.5 66.6 99.8



#31
1,1,1-Trichloroethane
Concen: 24.889 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW012933.D
Acq: 12 Sep 2019 13:49

Tgt Ion: 97 Resp: 206203
Ion Ratio Lower Upper
97 100
99 64.6 50.3 75.5
61 45.1 36.3 54.5





#32

Carbon tetrachloride

Concen: 25.249 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW012933.D

Acq: 12 Sep 2019 13:49

Instrument :

MSVOA_W

ClientSampleId :

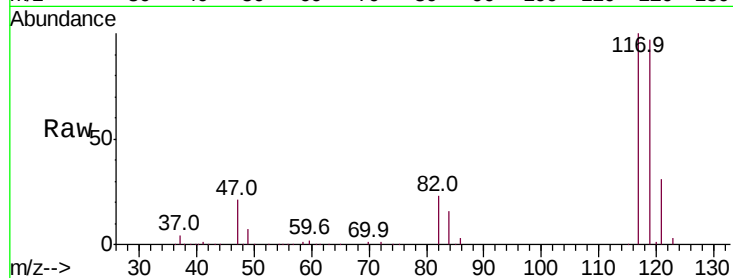
VICV06

Tot Ion:117 Resp: 195326

Ion Ratio Lower Upper

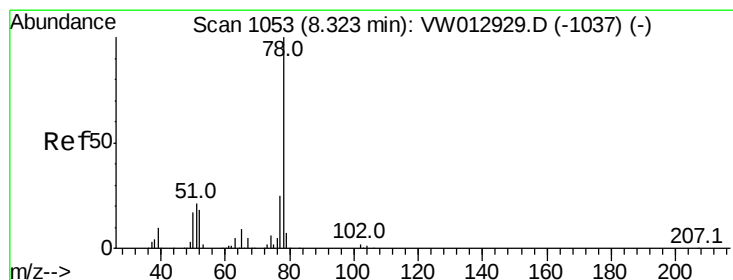
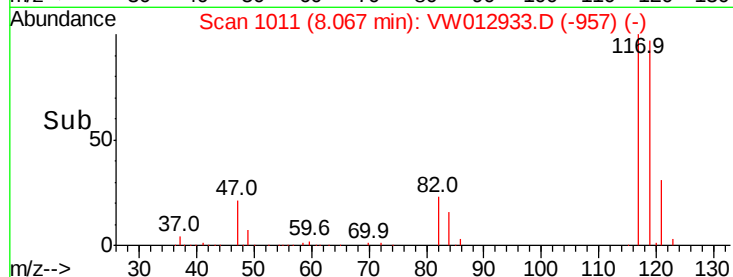
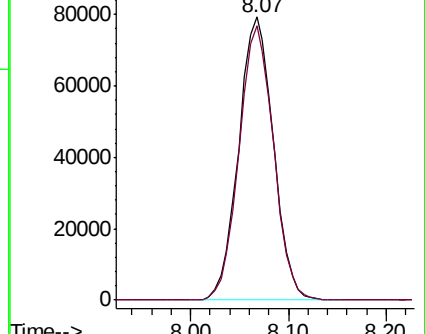
117 100

119 96.1 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.060 ug/L

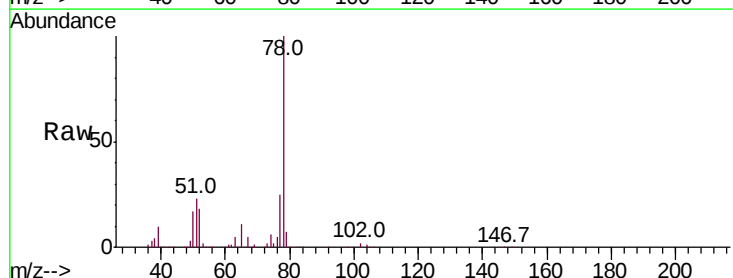
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

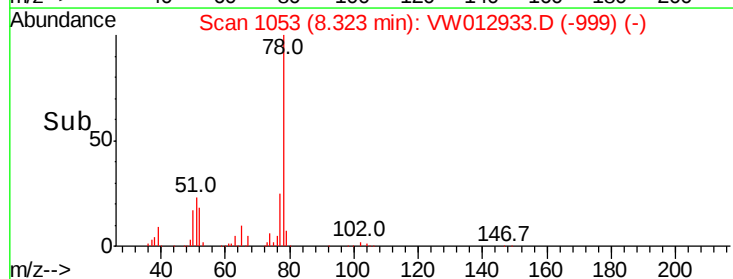
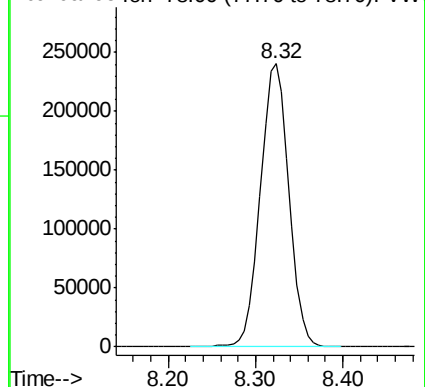
Lab File: VW012933.D

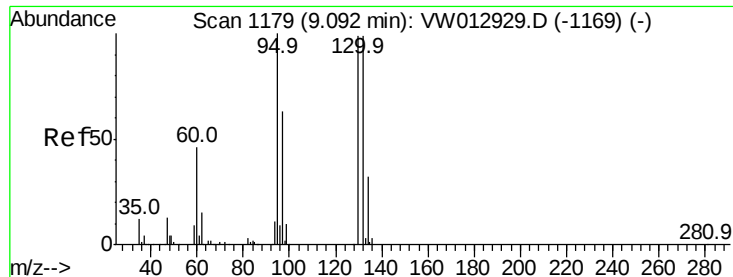
Acq: 12 Sep 2019 13:49

Tgt Ion: 78 Resp: 547730



Abundance Ion 78.00 (77.70 to 78.70): VW

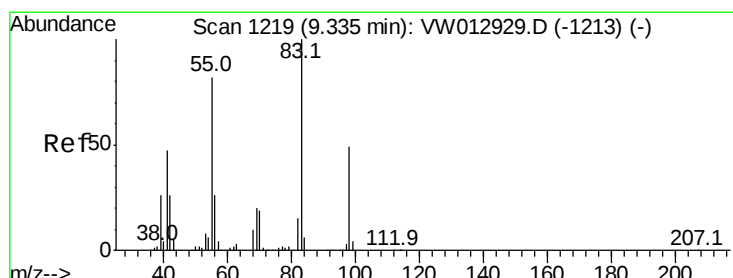
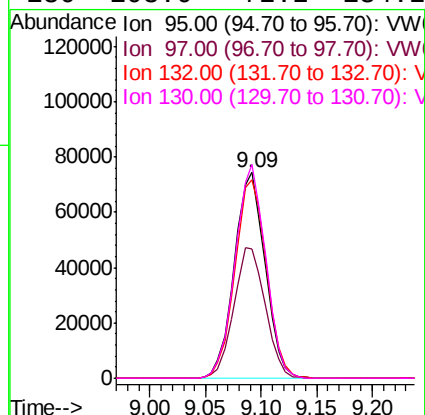
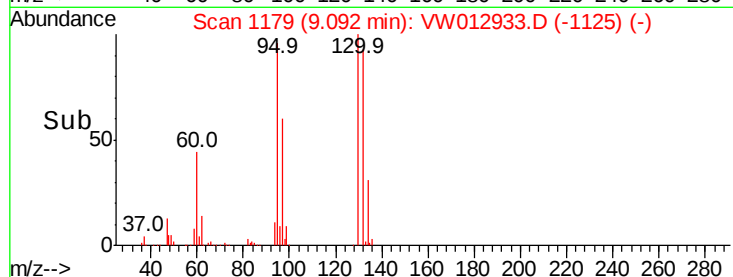
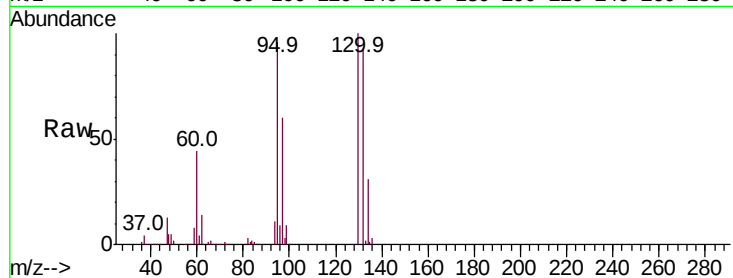




#35
 Trichloroethene
 Concen: 24.762 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW012933.D
 Acq: 12 Sep 2019 13:49

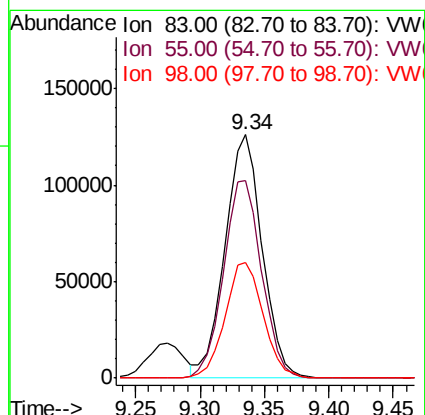
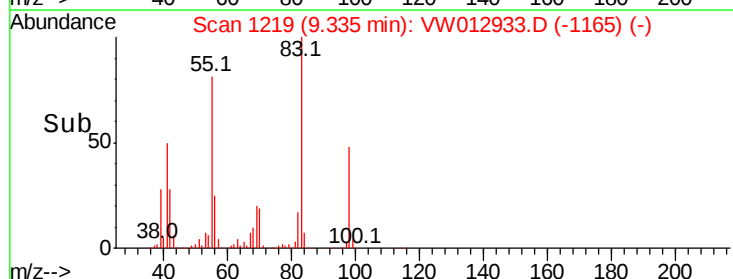
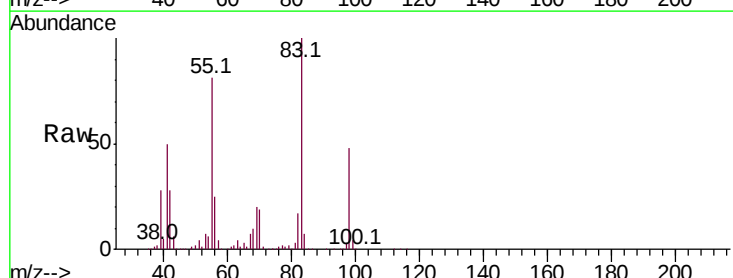
Instrument :
 MSVOA_W
 ClientSampleId :
 VICV06

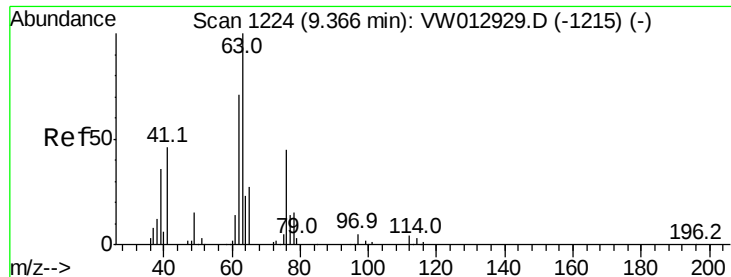
Tot Ion	95	Resp	142834
Ion	Ratio	Lower	Upper
95	100		
97	64.6	44.6	82.8
132	98.6	67.8	125.8
130	103.0	72.2	134.2



#36
 Methylcyclohexane
 Concen: 25.534 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW012933.D
 Acq: 12 Sep 2019 13:49

Tgt Ion	83	Resp	254702
Ion	Ratio	Lower	Upper
83	100		
55	83.4	68.3	102.5
98	48.3	38.5	57.7





#40

1,2-Dichloropropane

Concen: 24.665 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW012933.D

Acq: 12 Sep 2019 13:49

Instrument :

MSVOA_W

ClientSampleId :

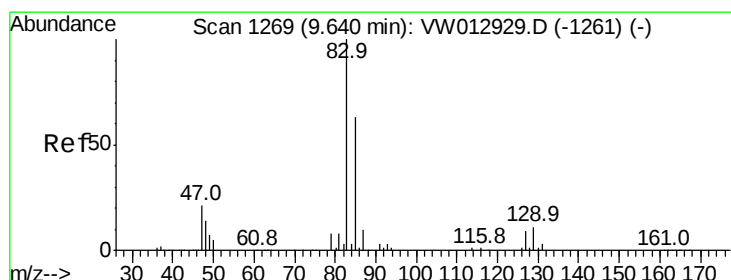
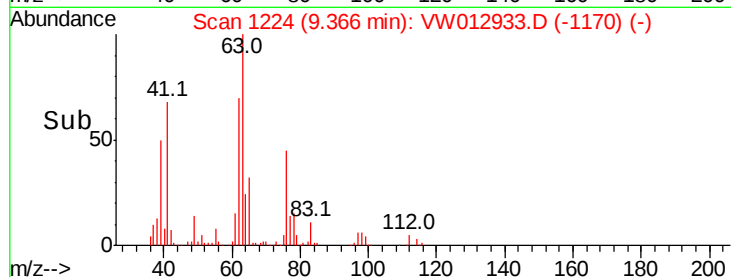
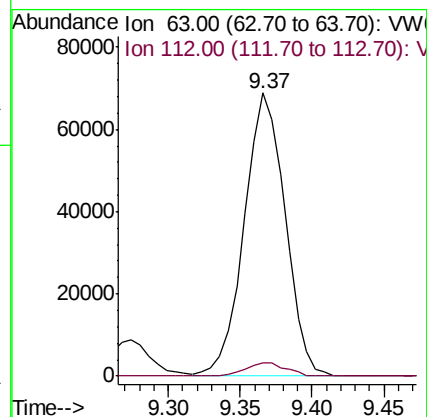
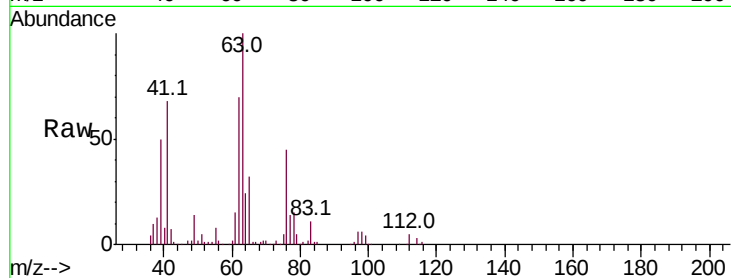
VICV06

Tot Ion: 63 Resp: 135608

Ion Ratio Lower Upper

63 100

112 4.9 3.8 5.8



#41

Bromodichloromethane

Concen: 25.067 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW012933.D

Acq: 12 Sep 2019 13:49

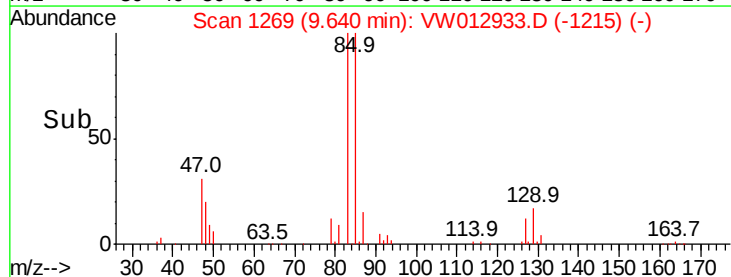
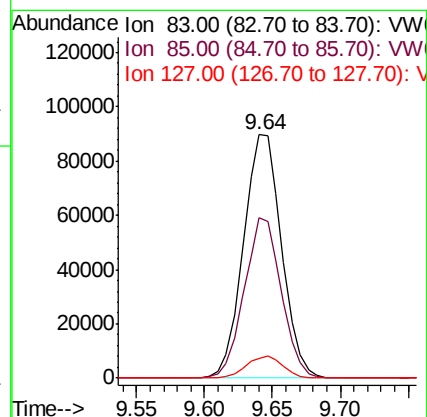
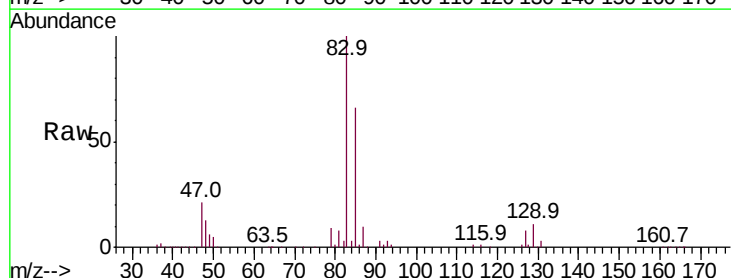
Tgt Ion: 83 Resp: 175567

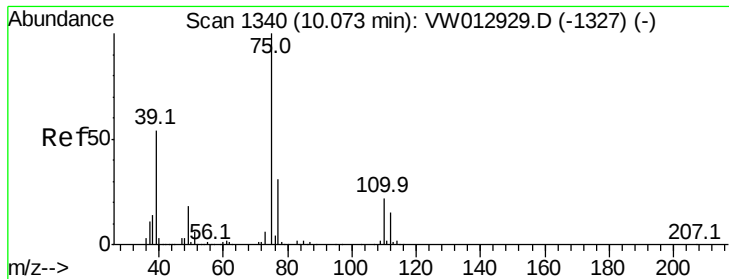
Ion Ratio Lower Upper

83 100

85 65.7 44.4 82.4

127 8.7 7.0 10.6





#42

cis-1,3-Dichloropropene

Concen: 25.700 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW012933.D

Acq: 12 Sep 2019 13:49

Instrument :

MSVOA_W

ClientSampled :

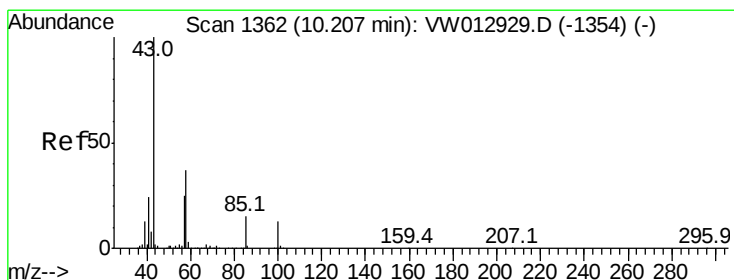
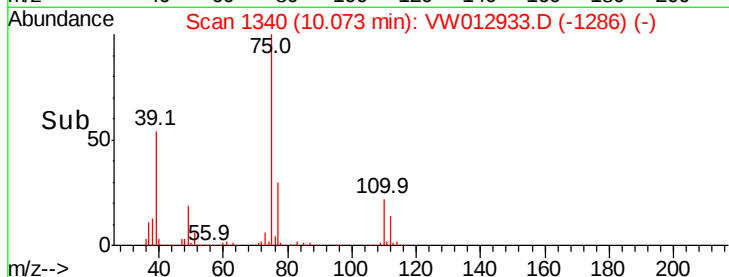
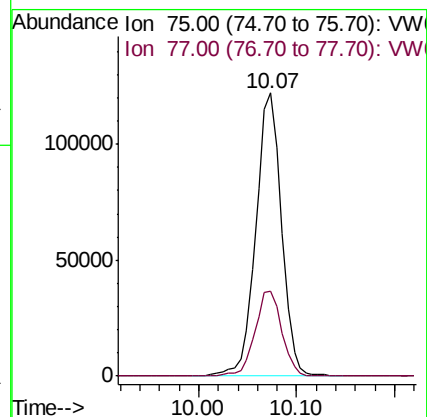
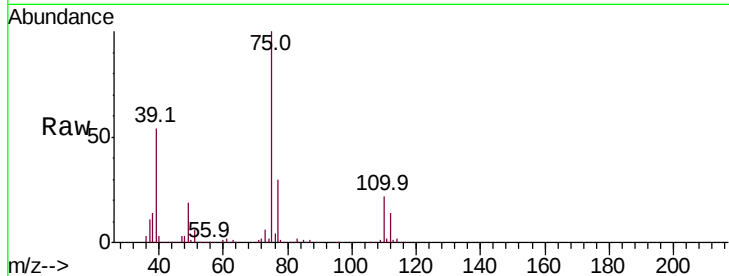
VICV06

Tot Ion: 75 Resp: 221992

Ion Ratio Lower Upper

75 100

77 30.2 21.6 40.0



#43

4-Methyl-2-pentanone

Concen: 50.330 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012933.D

Acq: 12 Sep 2019 13:49

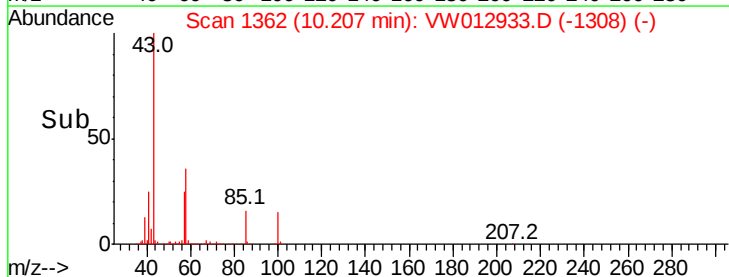
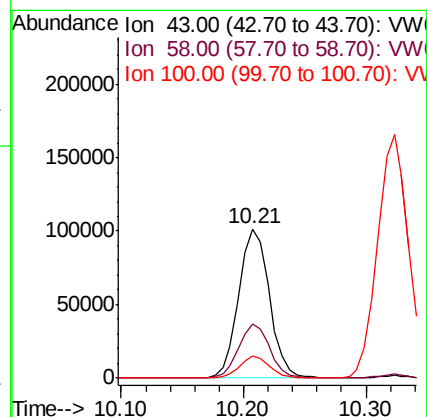
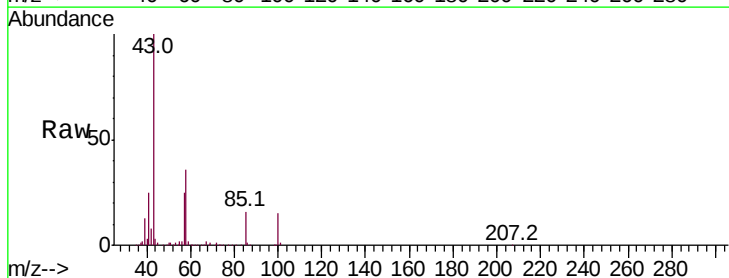
Tgt Ion: 43 Resp: 176031

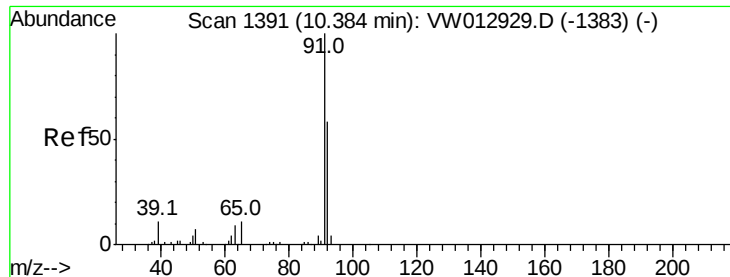
Ion Ratio Lower Upper

43 100

58 36.7 29.5 44.3

100 14.2 11.5 17.3





#44

Toluene

Concen: 25.368 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW012933.D

Acq: 12 Sep 2019 13:49

Instrument :

MSVOA_W

ClientSampleId :

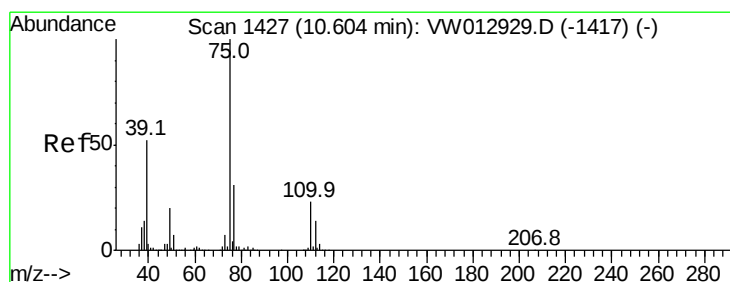
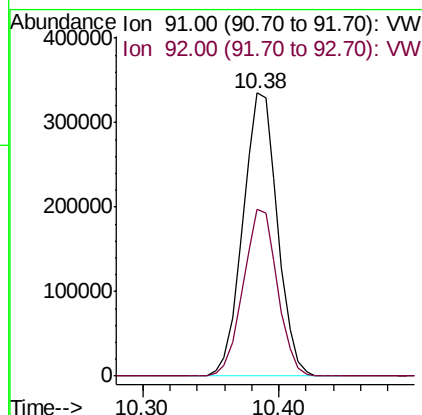
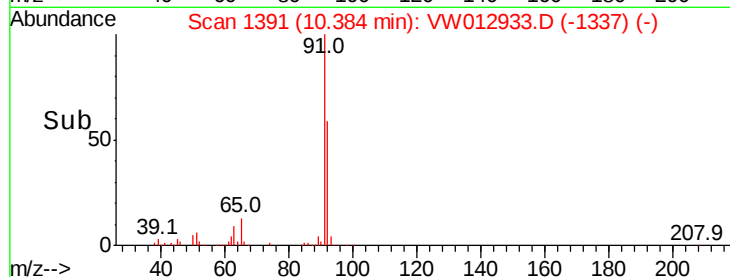
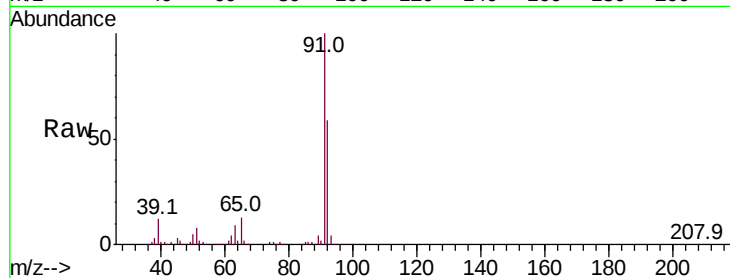
VICV06

Tot Ion: 91 Resp: 593291

Ion Ratio Lower Upper

91 100

92 58.8 40.7 75.5



#45

trans-1,3-Dichloropropene

Concen: 25.265 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW012933.D

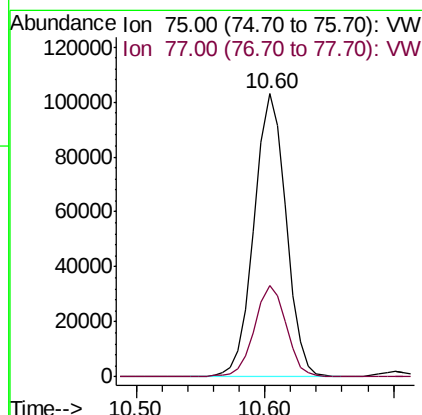
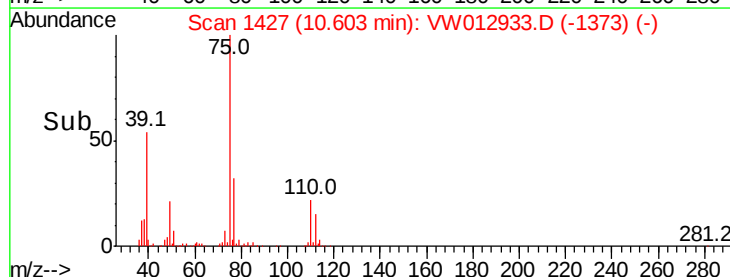
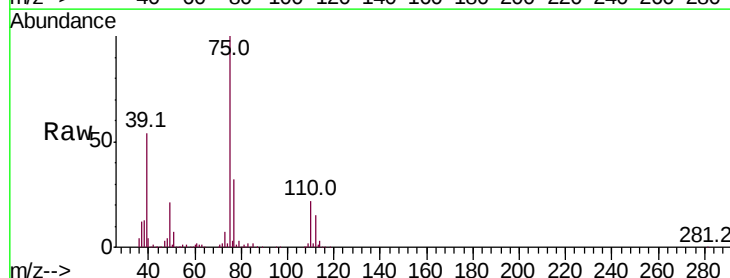
Acq: 12 Sep 2019 13:49

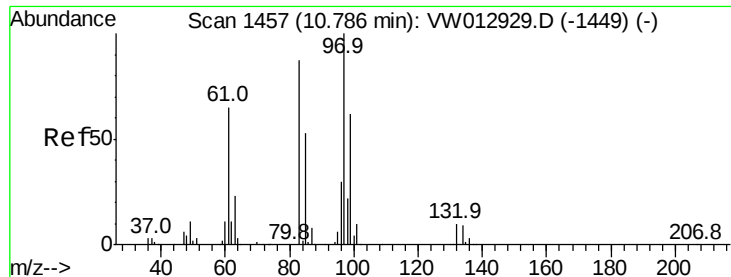
Tgt Ion: 75 Resp: 176892

Ion Ratio Lower Upper

75 100

77 32.1 21.8 40.4





#46

1,1,2-Trichloroethane

Concen: 24.749 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW012933.D

Acq: 12 Sep 2019 13:49

Instrument :

MSVOA_W

ClientSampleId :

VICV06

Tot Ion: 97 Resp: 91503

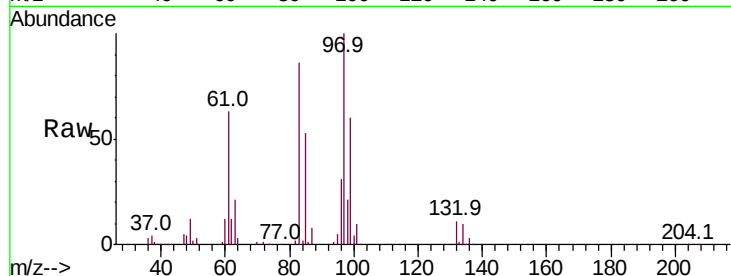
Ion Ratio Lower Upper

97 100

83 85.6 60.6 112.6

85 53.5 37.5 69.6

99 60.0 43.2 80.2



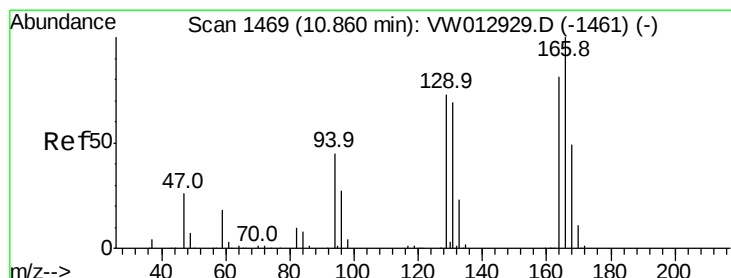
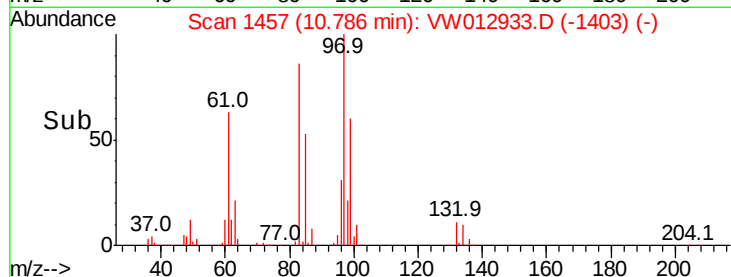
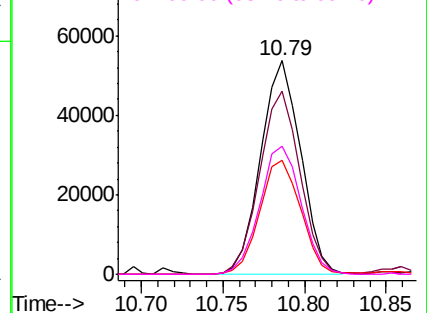
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 24.717 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW012933.D

Acq: 12 Sep 2019 13:49

Tgt Ion: 164 Resp: 122768

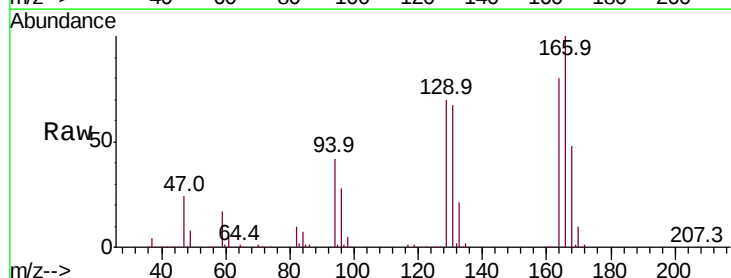
Ion Ratio Lower Upper

164 100

129 87.4 62.6 116.3

131 83.5 60.0 111.4

166 125.0 86.5 160.6



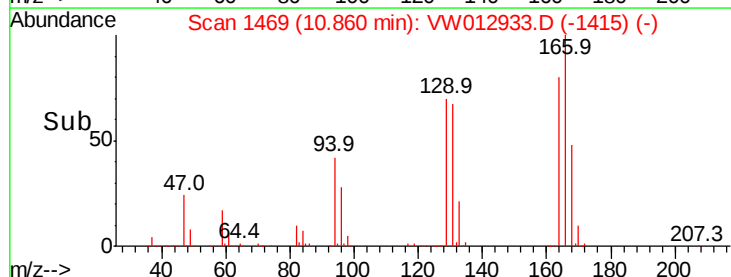
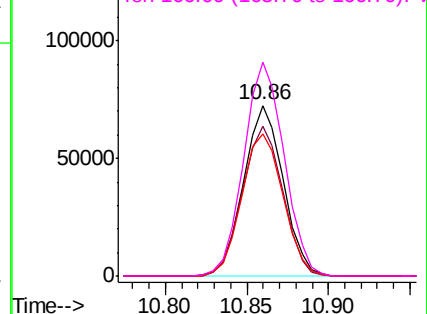
Abundance

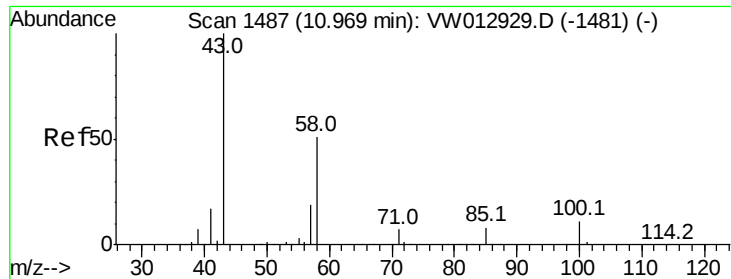
Ion 164.00 (163.70 to 164.70): V

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: 52.377 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW012933.D

Acq: 12 Sep 2019 13:49

Instrument :

MSVOA_W

ClientSampleId :

VICV06

Tot Ion: 43 Resp: 135411

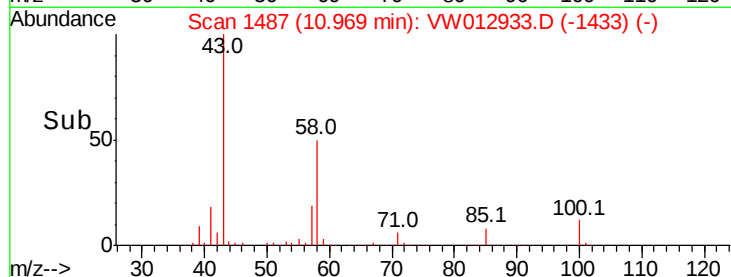
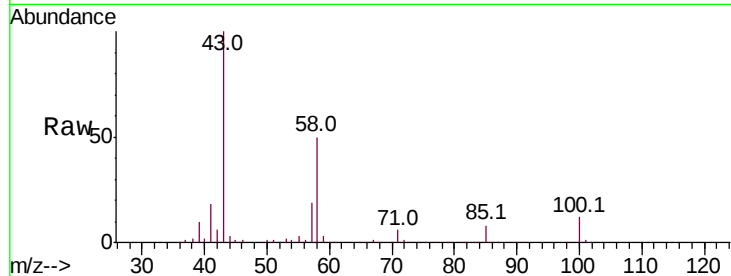
Ion Ratio Lower Upper

43 100

58 51.7 42.4 63.6

57 18.5 15.0 22.6

100 11.6 9.0 13.6

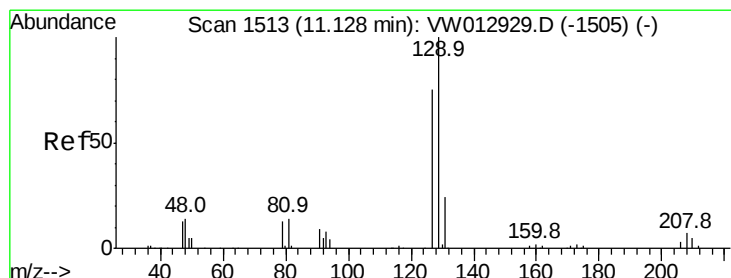
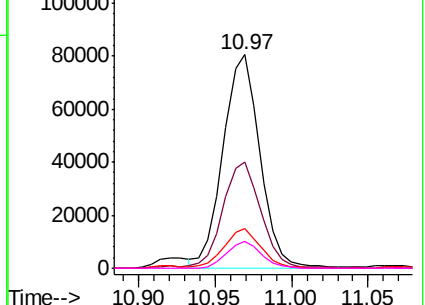


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 25.368 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW012933.D

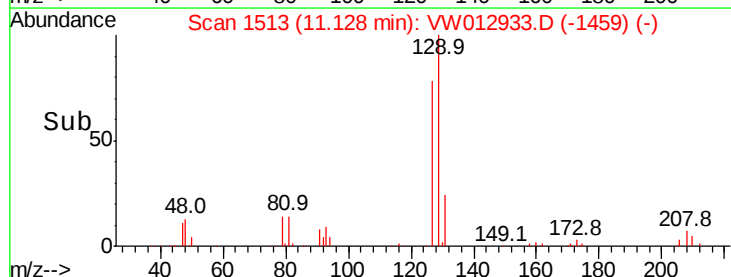
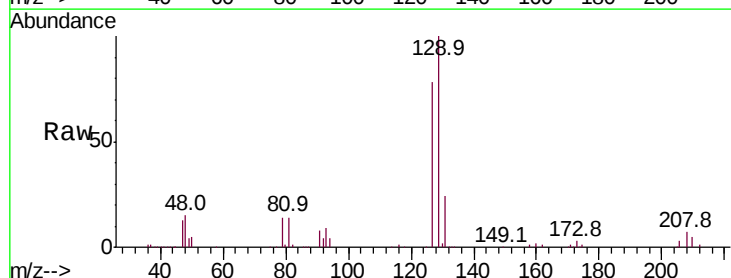
Acq: 12 Sep 2019 13:49

Tgt Ion: 129 Resp: 114228

Ion Ratio Lower Upper

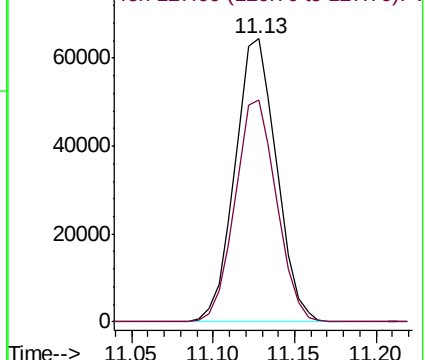
129 100

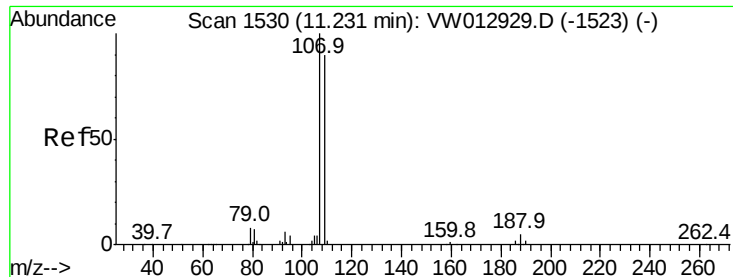
127 78.3 52.7 97.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

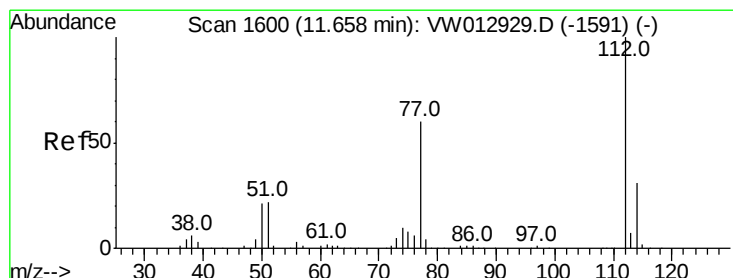
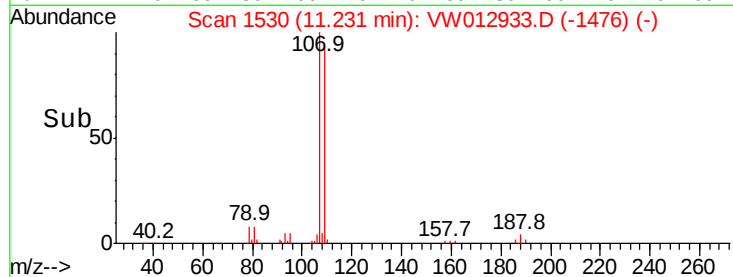
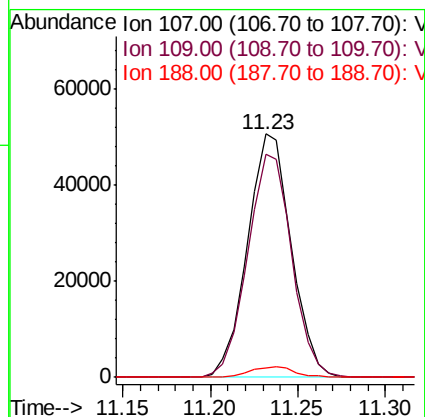
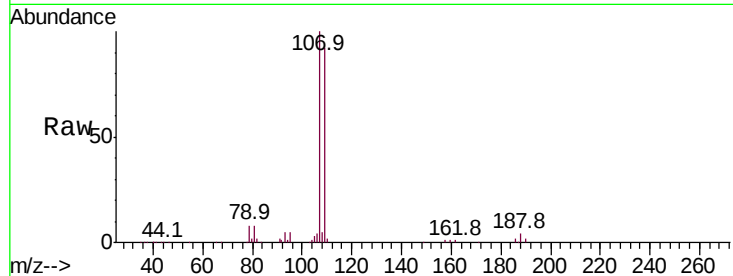




#51
 1,2-Dibromoethane
 Concen: 24.992 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW012933.D
 Acq: 12 Sep 2019 13:49

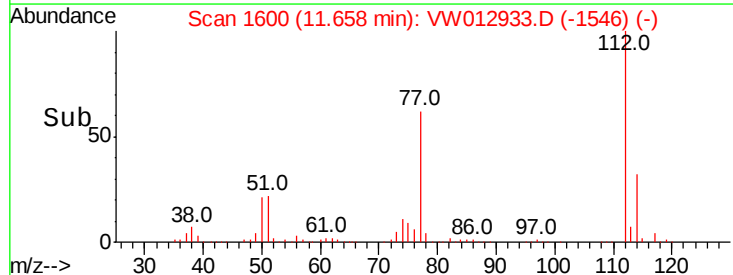
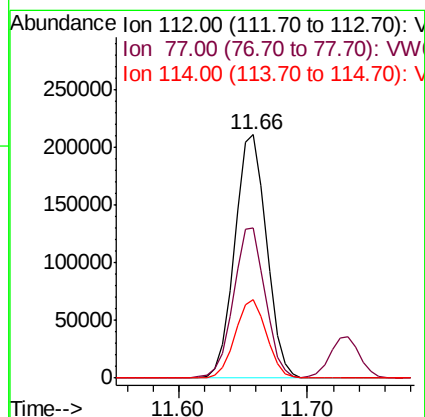
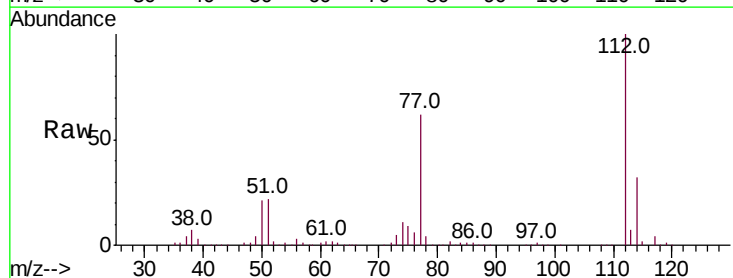
Instrument :
 MSVOA_W
 ClientSampleId :
 VICV06

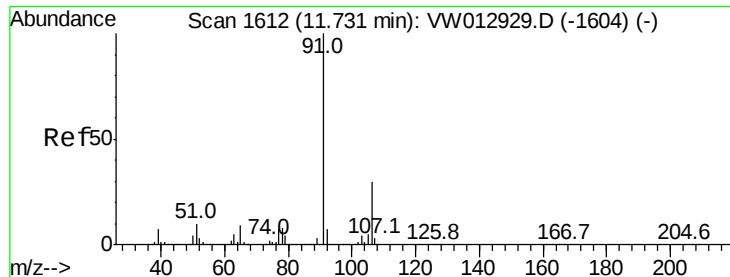
Tot Ion	Ratio	Lower	Upper
107	100		
109	91.8	62.6	116.3
188	4.0	4.2	6.2#



#52
 Chlorobenzene
 Concen: 24.819 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW012933.D
 Acq: 12 Sep 2019 13:49

Tgt Ion	Ratio	Lower	Upper
112	100		
77	61.8	47.7	71.5
114	32.5	21.6	40.0





#53

Ethylbenzene

Concen: 25.449 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW012933.D

Acq: 12 Sep 2019 13:49

Instrument :

MSVOA_W

ClientSampleId :

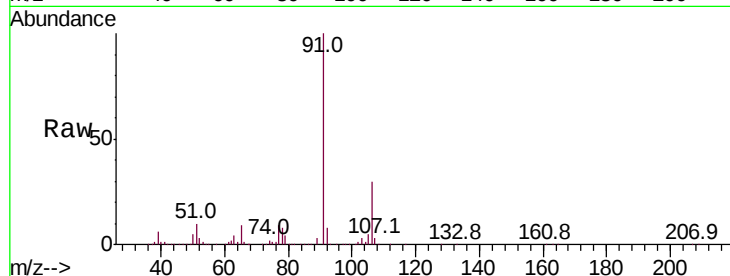
VICV06

Tot Ion: 91 Resp: 675484

Ion Ratio Lower Upper

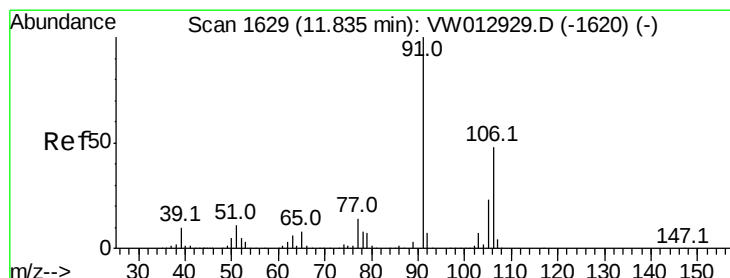
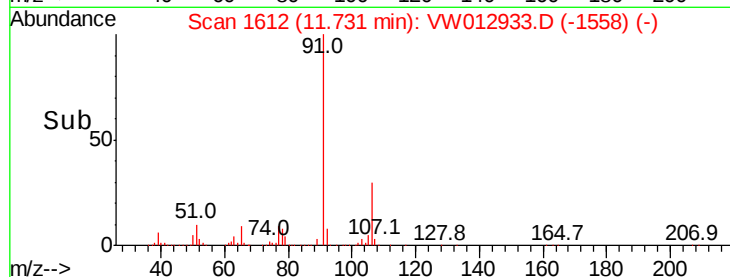
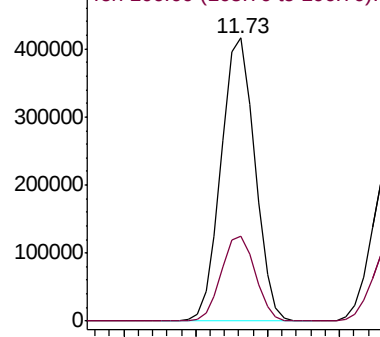
91 100

106 29.9 21.3 39.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 25.338 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.01 min

Lab File: VW012933.D

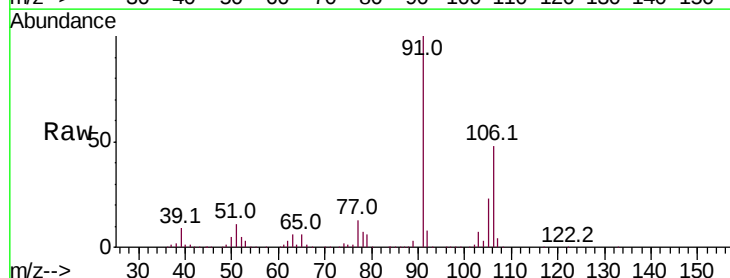
Acq: 12 Sep 2019 13:49

Tgt Ion:106 Resp: 251452

Ion Ratio Lower Upper

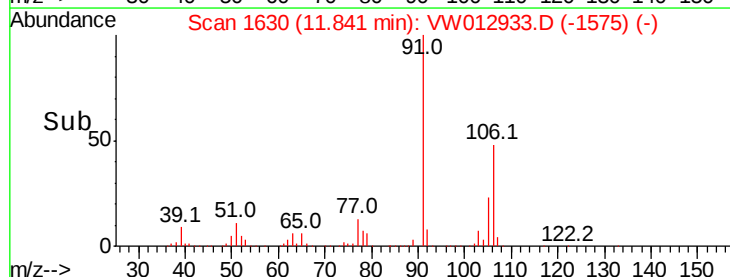
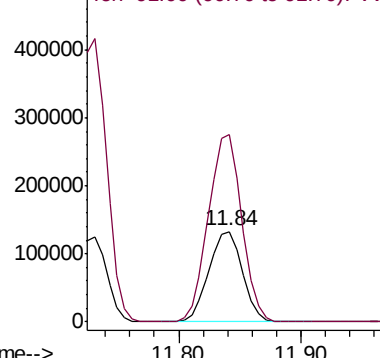
106 100

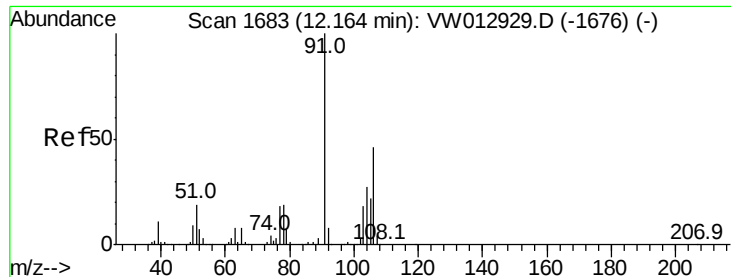
91 207.4 145.0 269.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#55

o-xylene

Concen: 25.712 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW012933.D

Acq: 12 Sep 2019 13:49

Instrument :

MSVOA_W

ClientSampled :

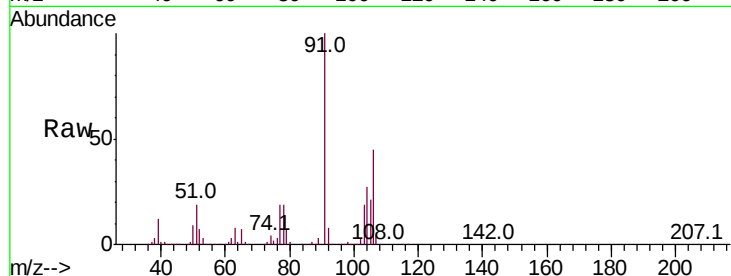
VICV06

Tot Ion:106 Resp: 240045

Ion Ratio Lower Upper

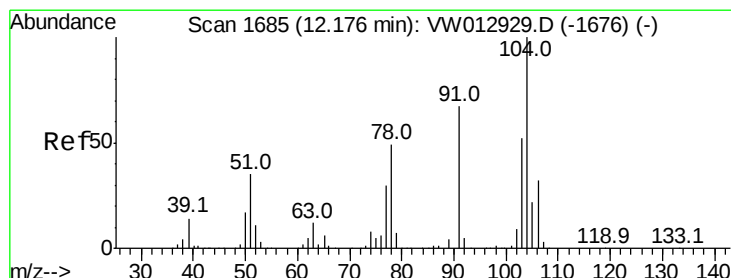
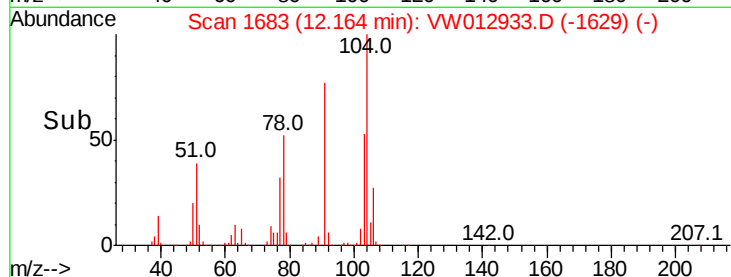
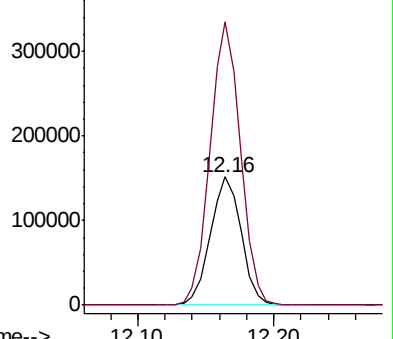
106 100

91 220.7 153.2 284.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 25.462 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VW012933.D

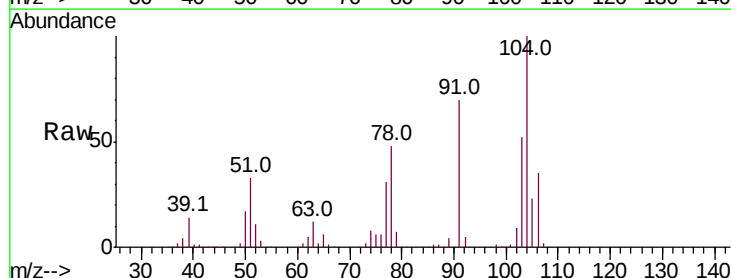
Acq: 12 Sep 2019 13:49

Tgt Ion:104 Resp: 404480

Ion Ratio Lower Upper

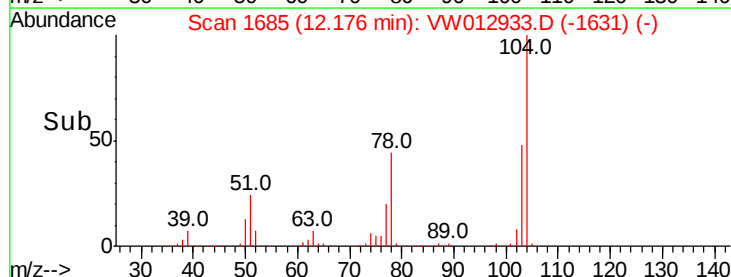
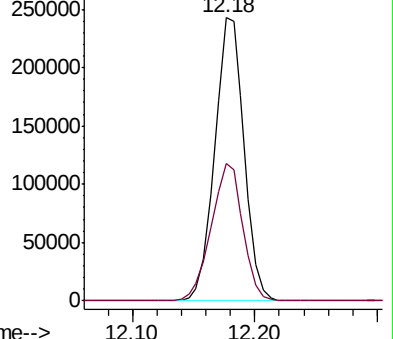
104 100

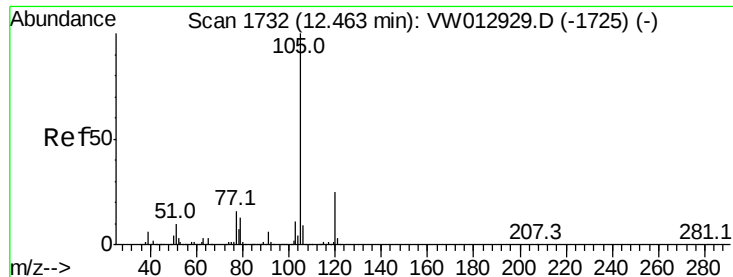
78 48.5 34.5 64.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 25.648 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012933.D

Acq: 12 Sep 2019 13:49

Instrument :

MSVOA_W

ClientSampled :

VICV06

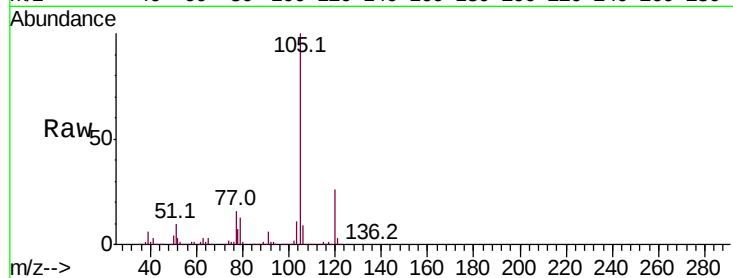
Tot Ion:105 Resp: 657529

Ion Ratio Lower Upper

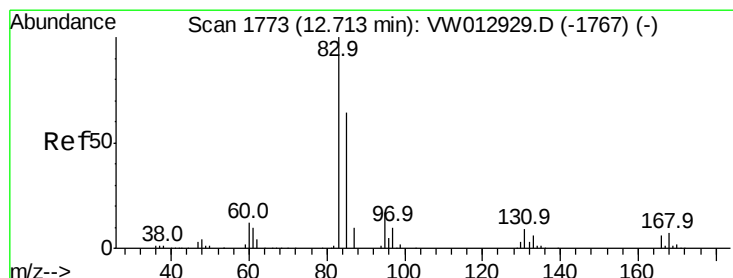
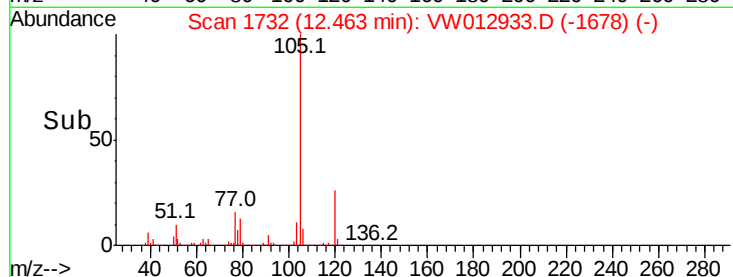
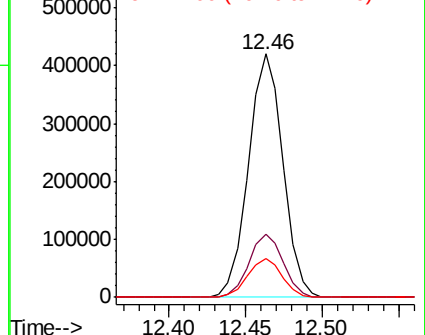
105 100

120 26.0 20.6 31.0

77 16.0 12.9 19.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V
Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 25.127 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012933.D

Acq: 12 Sep 2019 13:49

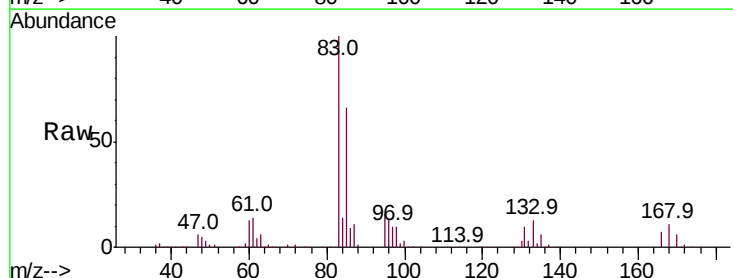
Tgt Ion: 83 Resp: 105664

Ion Ratio Lower Upper

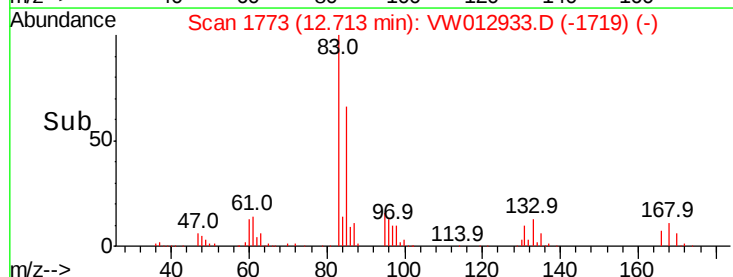
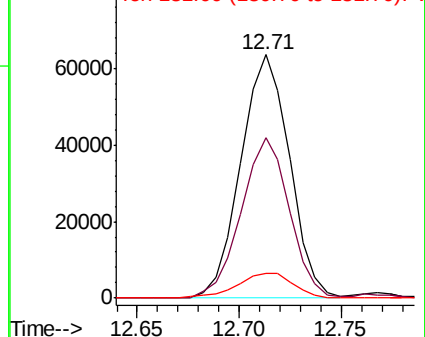
83 100

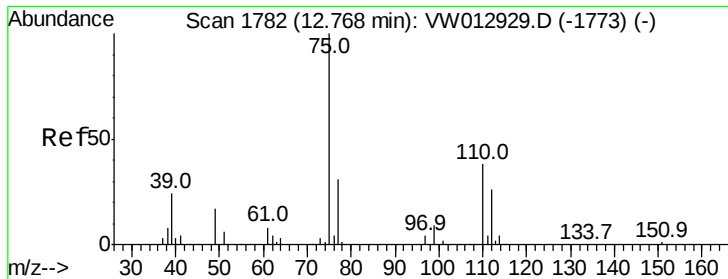
85 65.8 44.9 83.5

131 9.9 8.0 12.0



Abundance Ion 83.00 (82.70 to 83.70): V
Ion 85.00 (84.70 to 85.70): V
Ion 131.00 (130.70 to 131.70): V

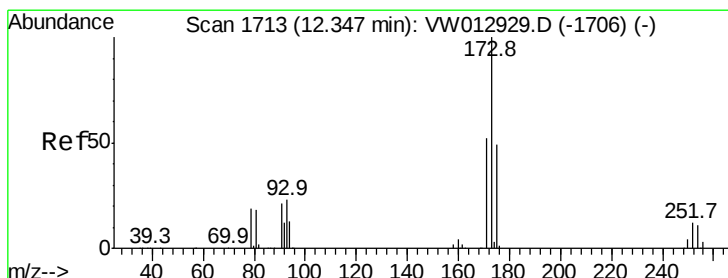
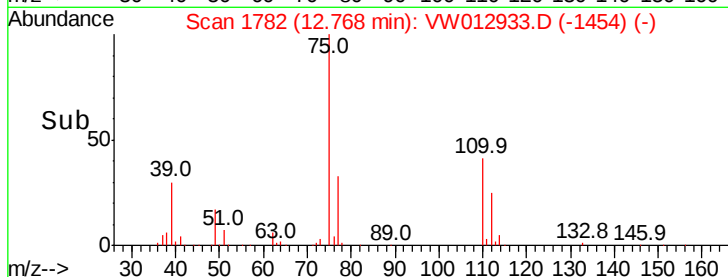
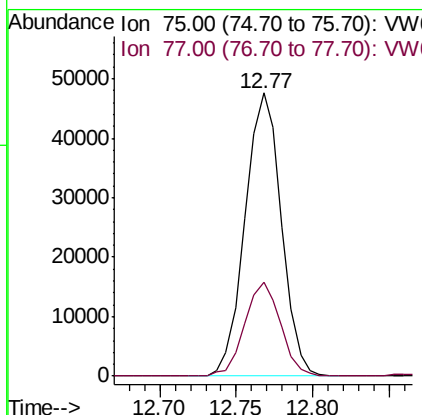
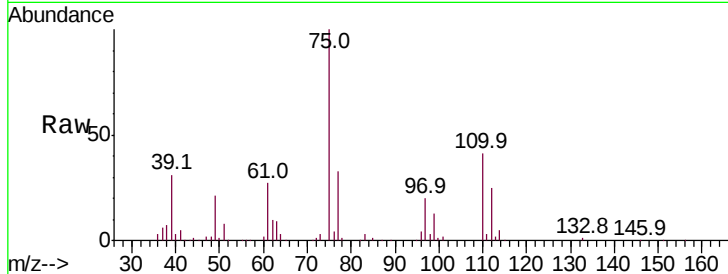




#59
 1,2,3-Trichloropropane
 Concen: 24.235 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW012933.D
 Acq: 12 Sep 2019 13:49

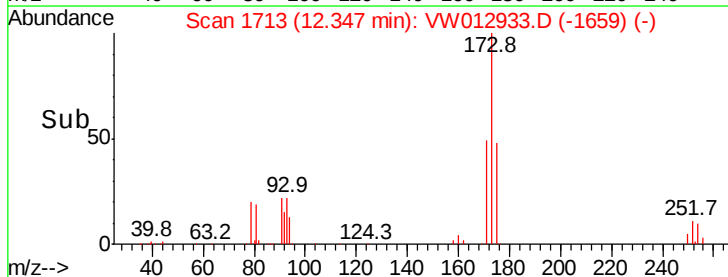
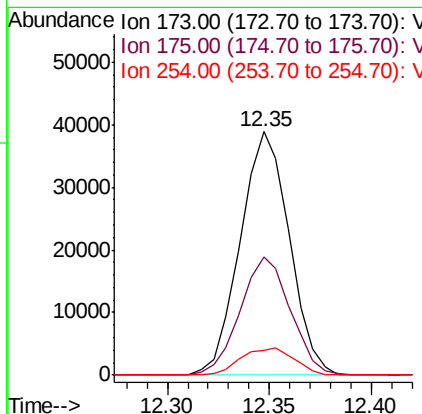
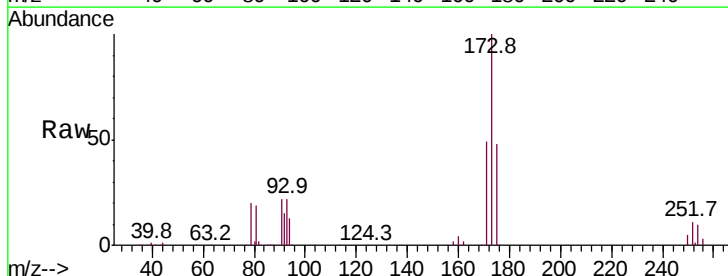
Instrument :
 MSVOA_W
 ClientSampleID :
 VICV06

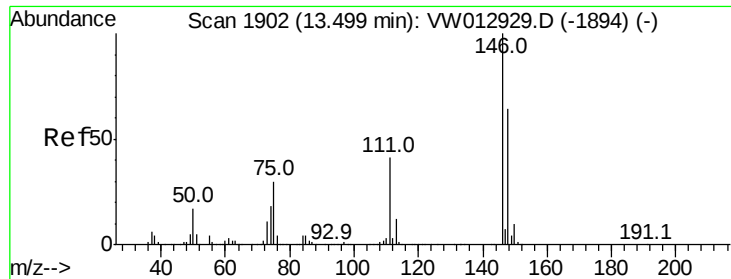
Tot Ion: 75 Resp: 78534
 Ion Ratio Lower Upper
 75 100
 77 32.7 25.4 38.2



#62
 Bromoform
 Concen: 25.019 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. -0.00 min
 Lab File: VW012933.D
 Acq: 12 Sep 2019 13:49

Tgt Ion:173 Resp: 64963
 Ion Ratio Lower Upper
 173 100
 175 49.7 39.7 59.5
 254 12.2 9.8 14.6

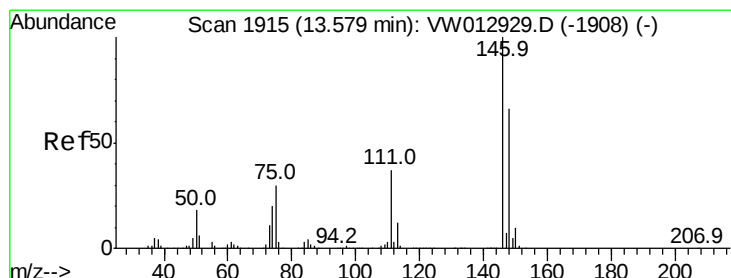
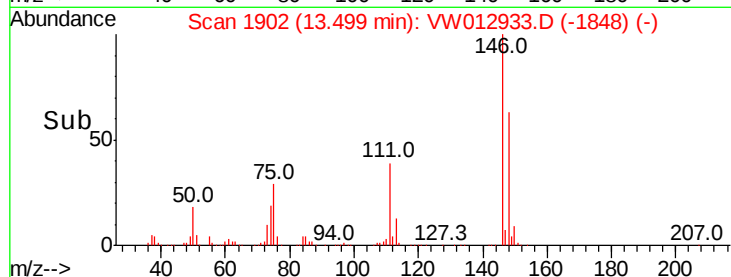
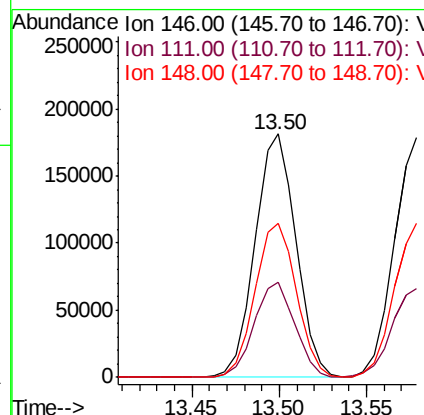
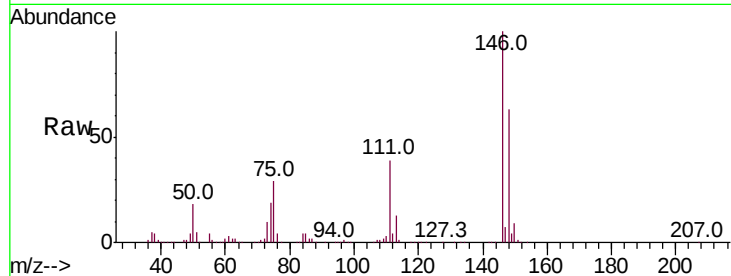




#63
 1,3-Dichlorobenzene
 Concen: 25.513 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012933.D
 Acq: 12 Sep 2019 13:49

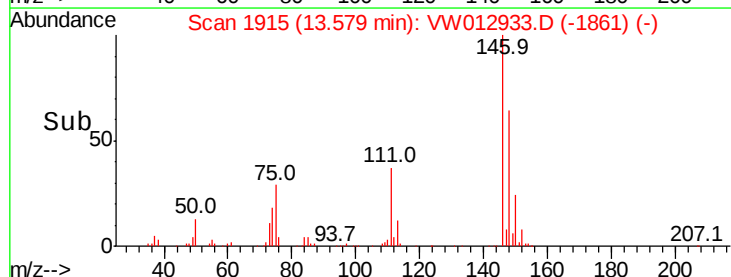
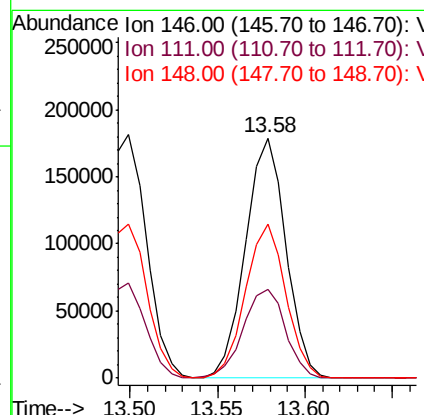
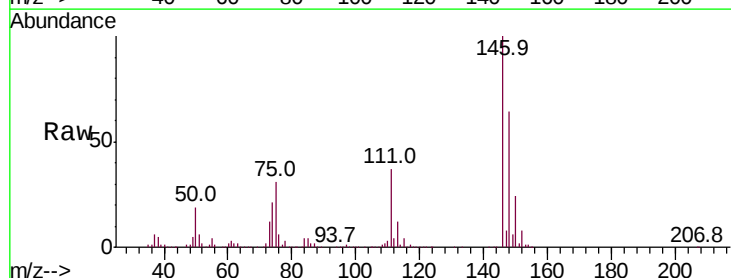
Instrument :
 MSVOA_W
 ClientSampleId :
 VICV06

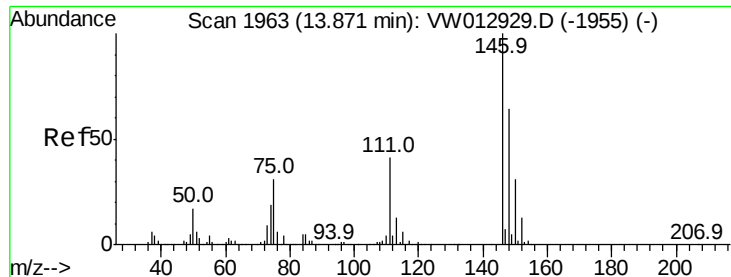
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	28.4	52.8
148	63.5	44.4	82.5



#64
 1,4-Dichlorobenzene
 Concen: 25.099 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012933.D
 Acq: 12 Sep 2019 13:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	26.1	48.5
148	64.3	45.8	85.0





#65

1,2-Dichlorobenzene

Concen: 25.125 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW012933.D

Acq: 12 Sep 2019 13:49

Instrument :

MSVOA_W

ClientSampleId :

VICV06

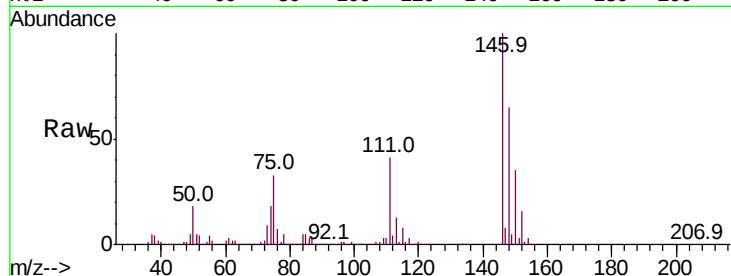
Tot Ion:146 Resp: 259306

Ion Ratio Lower Upper

146 100

111 40.9 33.0 49.6

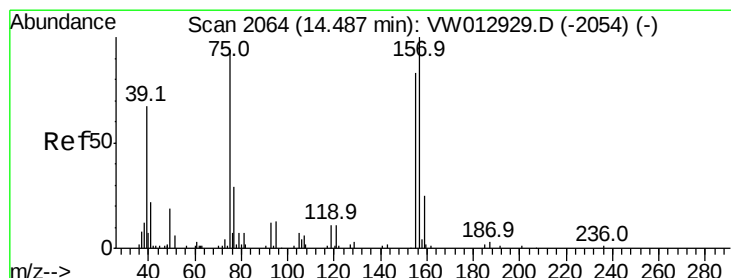
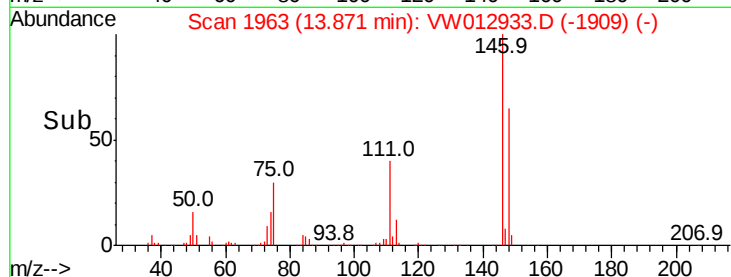
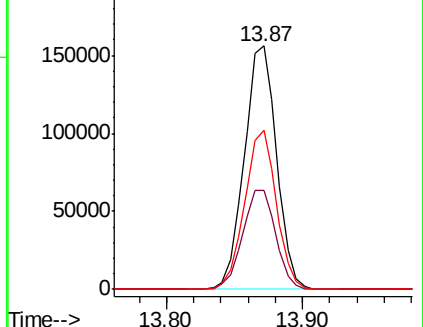
148 65.5 50.8 76.2



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: 23.518 ug/L

RT: 14.48 min Scan# 2063

Delta R.T. -0.01 min

Lab File: VW012933.D

Acq: 12 Sep 2019 13:49

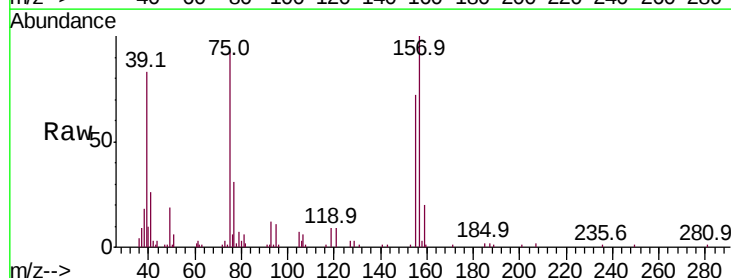
Tgt Ion: 75 Resp: 16821

Ion Ratio Lower Upper

75 100

157 107.3 85.0 127.4

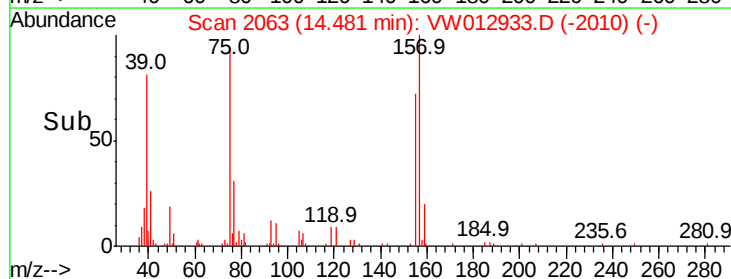
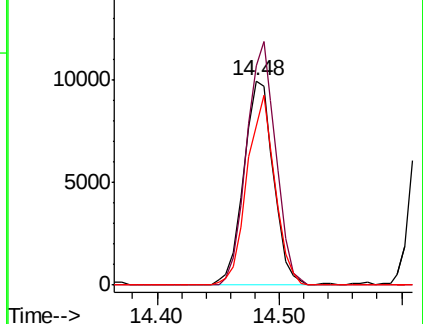
155 77.5 70.2 105.4

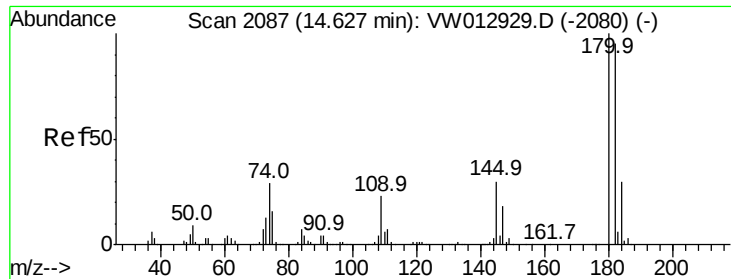


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

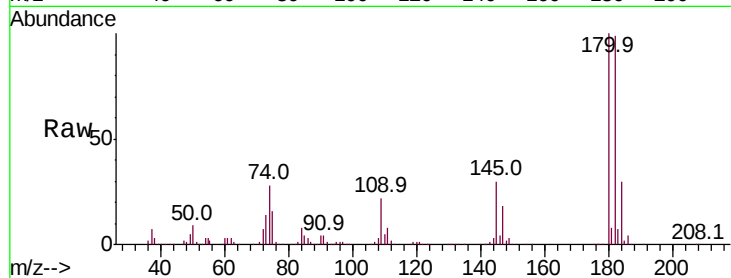




#67
 1,3,5-Trichlorobenzene
 Concen: 25.951 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW012933.D
 Acq: 12 Sep 2019 13:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VICV06

Tot Ion:	180	Resp:	229735
Ion	Ratio	Lower	Upper
180	100		
182	97.5	75.8	113.8
184	30.5	23.8	35.8
145	28.9	23.1	34.7



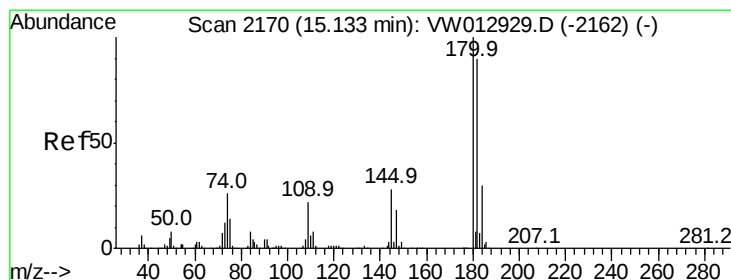
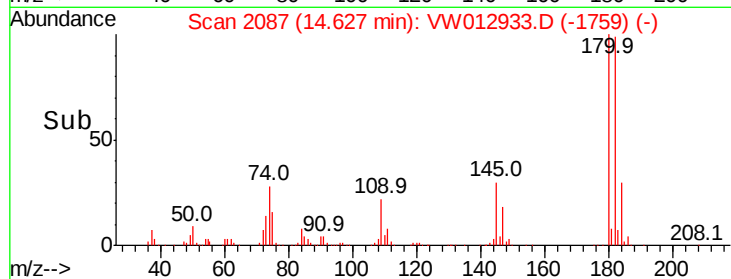
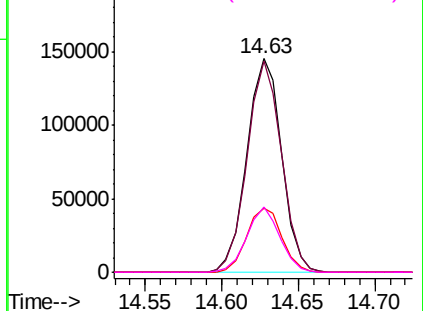
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

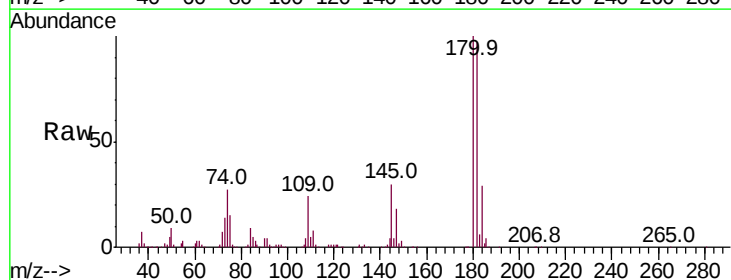
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 26.206 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012933.D
 Acq: 12 Sep 2019 13:49

Tgt Ion:	180	Resp:	183908
Ion	Ratio	Lower	Upper
180	100		
182	96.2	73.8	110.8
145	29.5	22.9	34.3

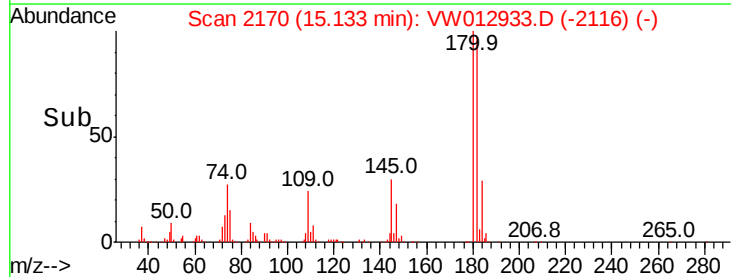
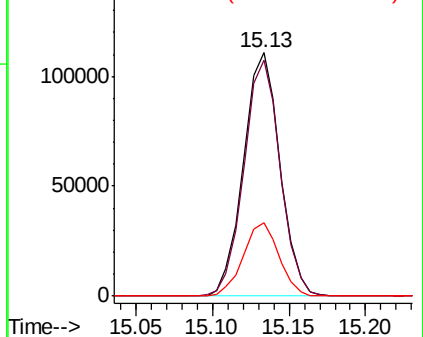


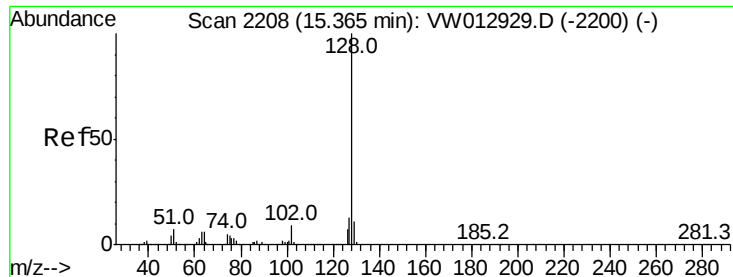
Abundance

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: 27.585 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW012933.D

Acq: 12 Sep 2019 13:49

Instrument :

MSVOA_W

ClientSampleId :

VICV06

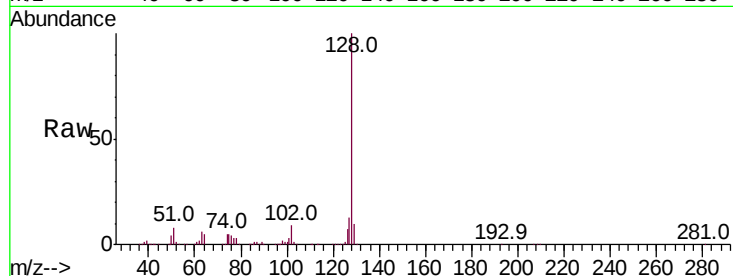
Tot Ion:128 Resp: 313519

Ion Ratio Lower Upper

128 100

129 10.4 8.7 13.1

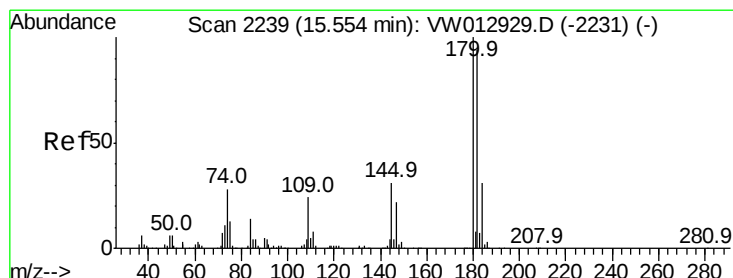
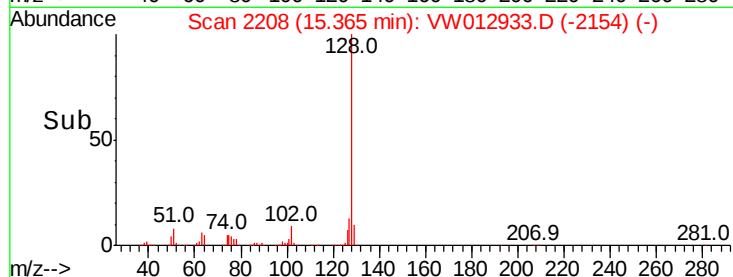
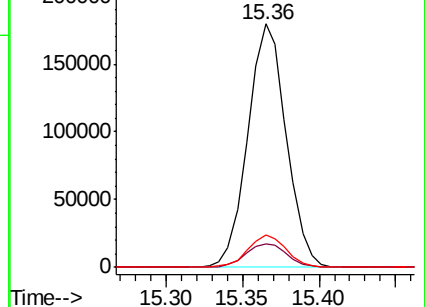
127 13.4 10.4 15.6



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: 25.784 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW012933.D

Acq: 12 Sep 2019 13:49

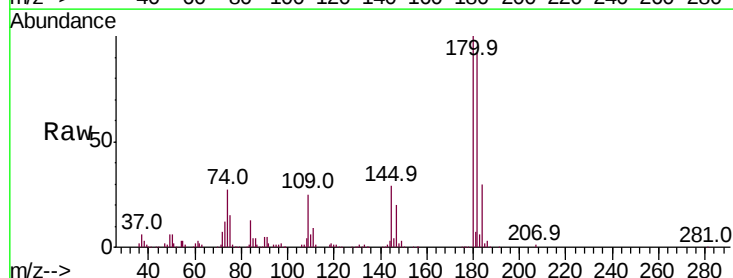
Tgt Ion:180 Resp: 159654

Ion Ratio Lower Upper

180 100

182 96.3 75.4 113.2

145 30.9 24.4 36.6



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

