

Data File : VW013960.D
Acq On : 11 Nov 2019 13:24
Operator : SY/VA
Sample : VSTDICV025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VICV05

Quant Time: Nov 12 06:00:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111119S.M
Quant Title : VOC Analysis
QLast Update : Mon Nov 11 13:59:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	335417	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	316673	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	187422	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	144545	27.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	108.04%
7) Chloroethane-d5	2.89	69	116748	26.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	107.64%
10) 1,1-Dichloroethene-d2	4.02	63	285696	26.01	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	104.04%
20) 2-Butanone-d5	7.07	46	80775	51.96	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.92%
24) Chloroform-d	7.65	84	271792	26.35	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	105.40%
26) 1,2-Dichloroethane-d4	8.30	65	137119	26.45	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	105.80%
29) Benzene-d6	8.27	84	586194	26.09	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	104.36%
33) 1,2-Dichloropropane-d6	9.27	67	171665	26.08	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	104.32%
37) Toluene-d8	10.32	98	556512	26.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	104.48%
38) trans-1,3-Dichloropropene-	10.57	79	76599	27.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	108.68%
39) 2-Hexanone-d5	10.92	63	69214	55.45	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.90%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	131678	26.49	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	105.96%
61) 1,2-Dichlorobenzene-d4	13.85	152	198294	26.33	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	105.32%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	98082	24.588 ug/L	99
3) Chloromethane	2.21	50	80329	22.672 ug/L	98
5) Vinyl chloride	2.37	62	137443	24.844 ug/L	97
6) Bromomethane	2.78	94	83690	24.434 ug/L	99
8) Chloroethane	2.92	64	83352	25.329 ug/L	95
9) Trichlorofluoromethane	3.26	101	91920	24.366 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	140801	25.277 ug/L	99
12) 1,1-Dichloroethene	4.04	96	141127	24.924 ug/L	90
13) Acetone	4.12	43	66400	41.972 ug/L	98
14) Carbon disulfide	4.38	76	414882	25.744 ug/L	99
15) Methyl Acetate	4.67	43	66378	25.933 ug/L	99
16) Methylene chloride	4.92	84	147712	22.875 ug/L	98
17) Methyl tert-butyl Ether	5.42	73	184647	25.277 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	148132	25.088 ug/L	97
19) 1,1-Dichloroethane	6.21	63	250901	25.227 ug/L	99
21) 2-Butanone	7.16	43	94941	46.712 ug/L	99
22) cis-1,2-Dichloroethene	7.16	96	159897	25.734 ug/L	97

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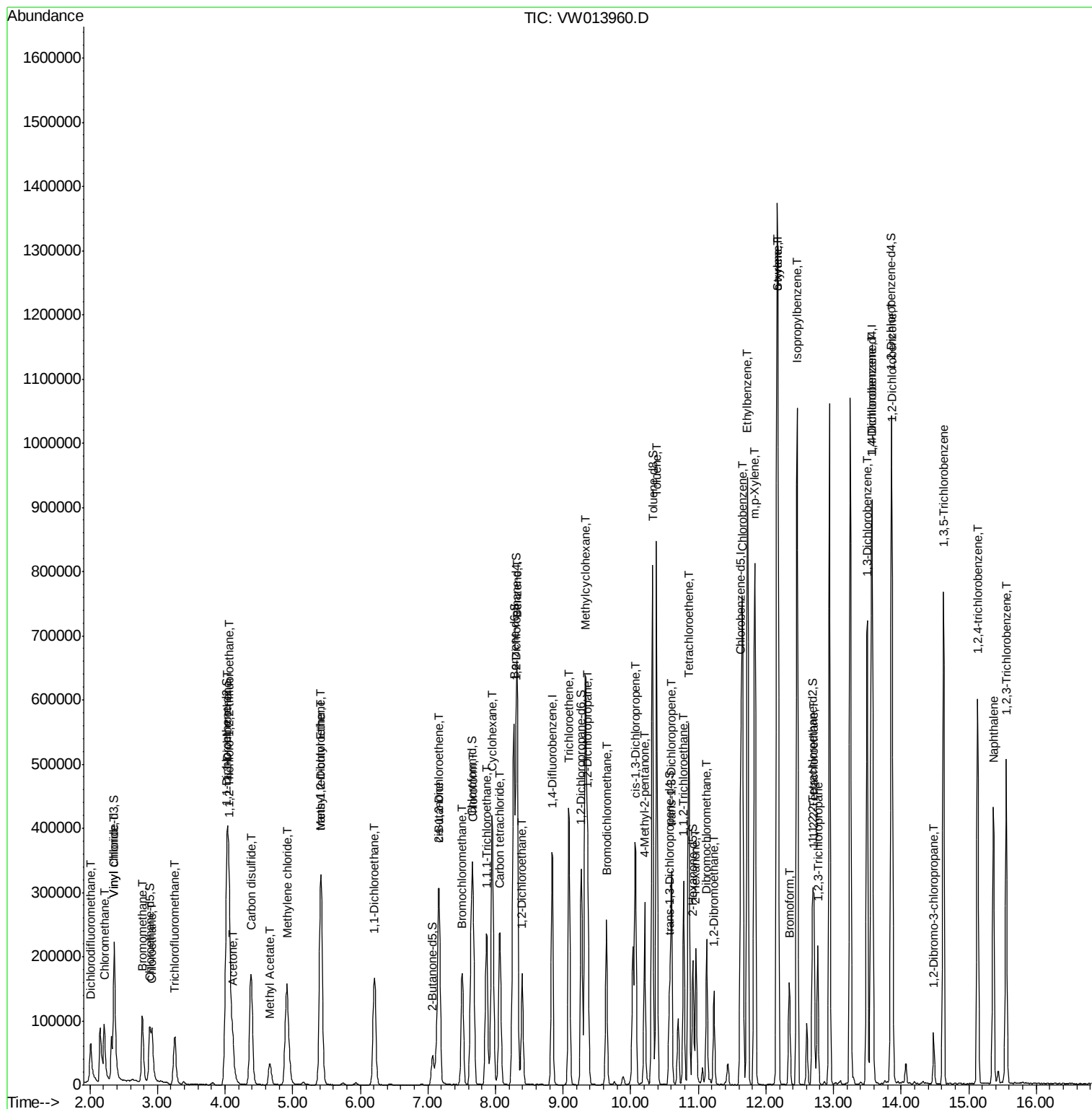
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	70746	25.938	ug/L	97
25) Chloroform	7.67	83	244763	25.060	ug/L	99
27) 1,2-Dichloroethane	8.40	62	153373	25.937	ug/L	98
30) Cyclohexane	7.95	56	255657	25.227	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	196130	24.714	ug/L	99
32) Carbon tetrachloride	8.07	117	192252	25.236	ug/L	100
34) Benzene	8.32	78	586666	25.257	ug/L	100
35) Trichloroethene	9.09	95	153594	24.789	ug/L	100
36) Methylcyclohexane	9.33	83	281036	25.297	ug/L	100
40) 1,2-Dichloropropane	9.37	63	141130	25.240	ug/L	99
41) Bromodichloromethane	9.64	83	175980	26.033	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	231279	26.210	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	187056	50.667	ug/L	99
44) Toluene	10.38	91	635562	25.096	ug/L	96
45) trans-1,3-Dichloropropene	10.60	75	181519	26.013	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	105996	25.799	ug/L	95
47) Tetrachloroethene	10.86	164	139872	25.326	ug/L	98
49) 2-Hexanone	10.96	43	135281	50.826	ug/L	97
50) Dibromochloromethane	11.13	129	126643	26.225	ug/L	98
51) 1,2-Dibromoethane	11.23	107	102533	25.722	ug/L	100
52) Chlorobenzene	11.65	112	403158	25.393	ug/L	96
53) Ethylbenzene	11.73	91	709085	25.516	ug/L	100
54) m,p-Xylene	11.83	106	272199	25.204	ug/L	95
55) o-xylene	12.16	106	259449	25.654	ug/L	97
56) Styrene	12.18	104	447473	26.192	ug/L	100
57) Isopropylbenzene	12.46	105	712150	25.611	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	125564	26.177	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	91176	25.274	ug/L	99
62) Bromoform	12.35	173	79637	25.928	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	332494	25.266	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	330363	25.408	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	298905	25.650	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.48	75	19748	24.883	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	262856	26.209	ug/L	100
68) 1,2,4-trichlorobenzene	15.13	180	214764	27.234	ug/L	100
69) Naphthalene	15.36	128	385190	27.494	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	191144	27.465	ug/L	100

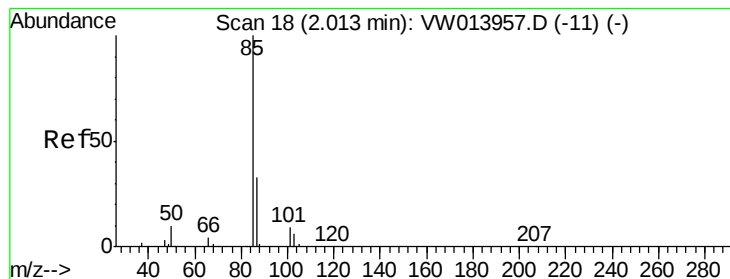
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 24.588 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW013960.D

Acq: 11 Nov 2019 13:24

Instrument :

MSVOA_W

ClientSampleId :

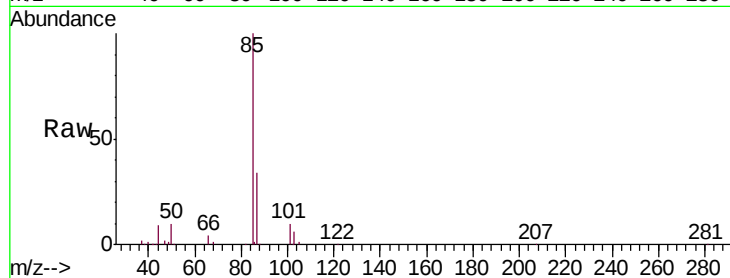
VICV05

Tgt Ion: 85 Resp: 98082

Ion Ratio Lower Upper

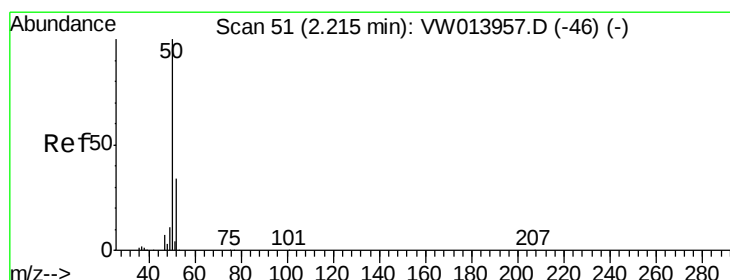
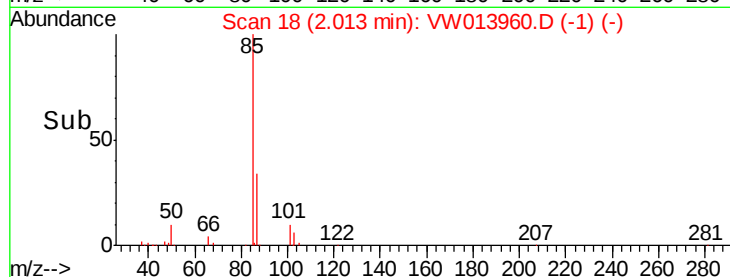
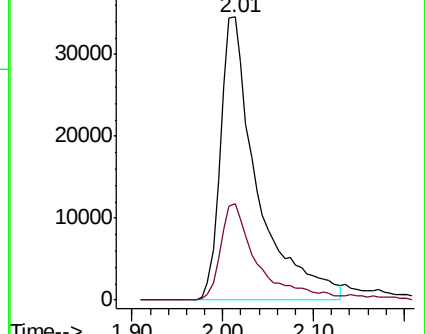
85 100

87 31.0 22.1 41.1



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 22.672 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW013960.D

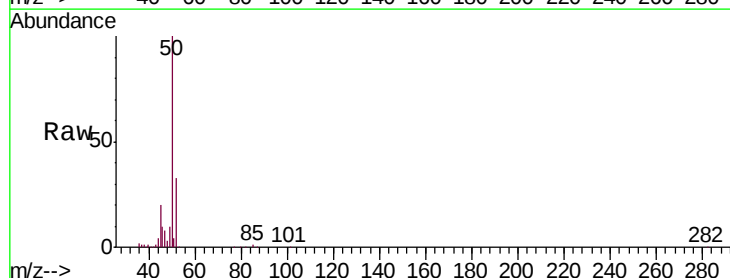
Acq: 11 Nov 2019 13:24

Tgt Ion: 50 Resp: 80329

Ion Ratio Lower Upper

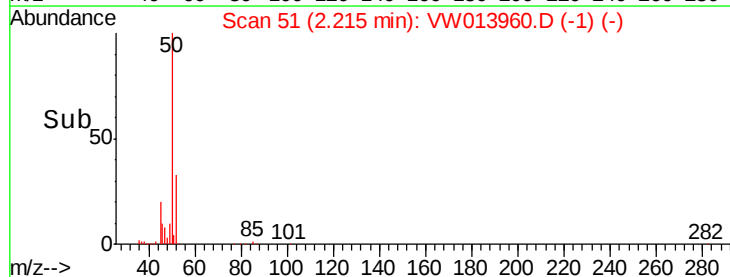
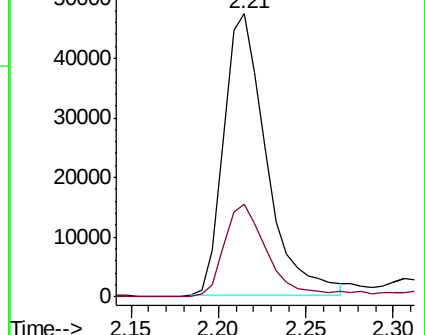
50 100

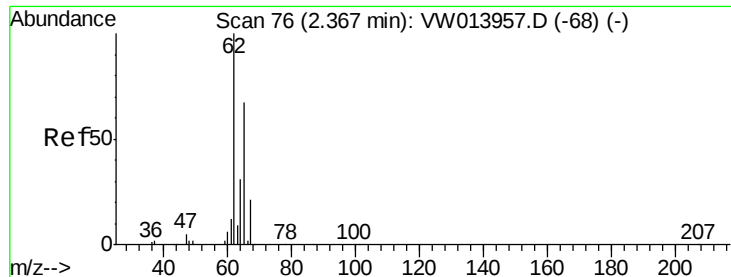
52 32.7 23.8 44.2



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 24.844 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW013960.D

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Instrument :

MSVOA_W

ClientSampleId :

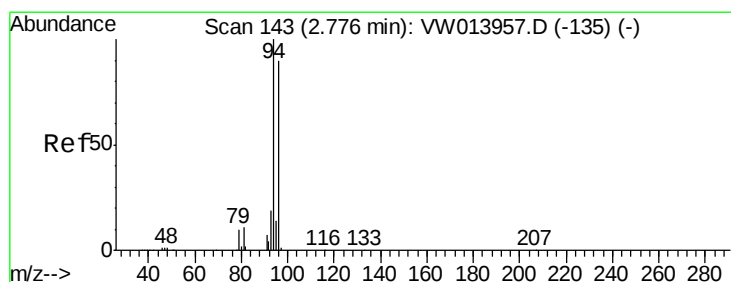
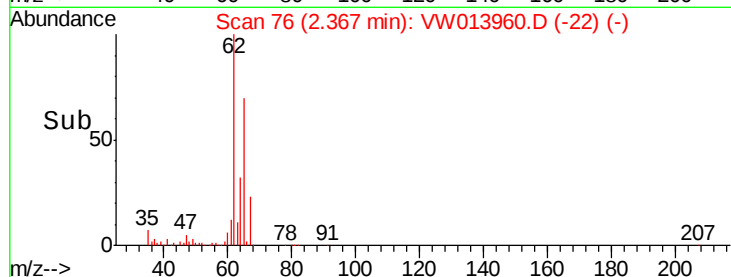
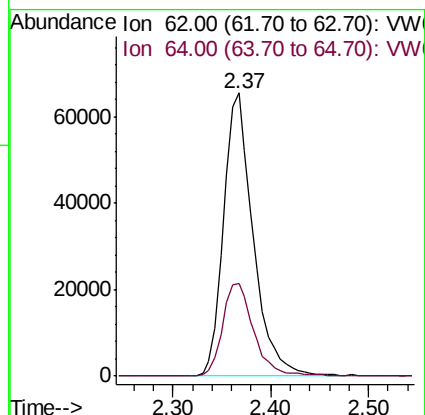
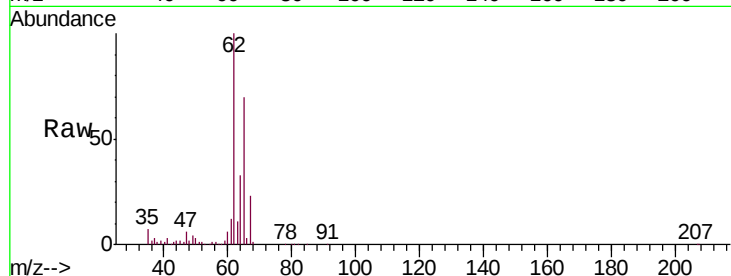
VICV05

Tgt Ion: 62 Resp: 137443

Ion Ratio Lower Upper

62 100

64 32.6 21.8 40.4



#6

Bromomethane

Concen: 24.434 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW013960.D

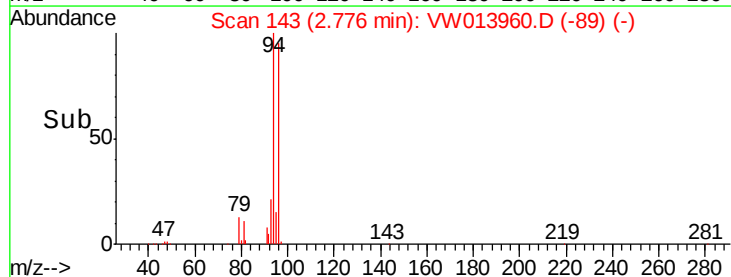
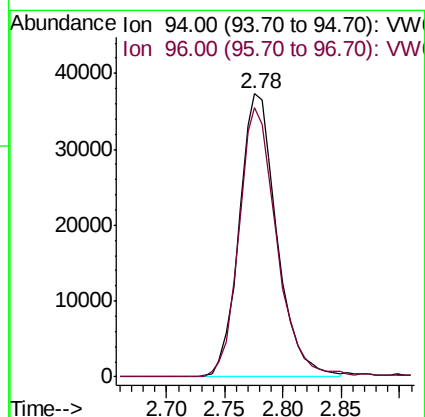
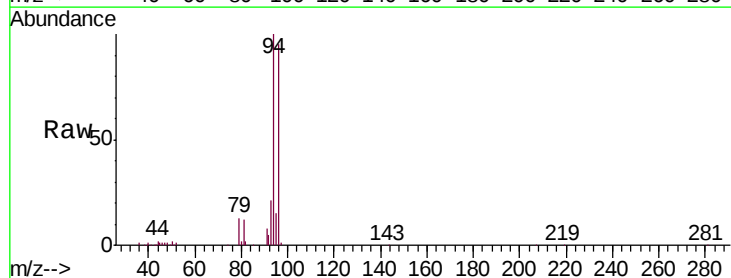
Acq: 11 Nov 2019 13:24

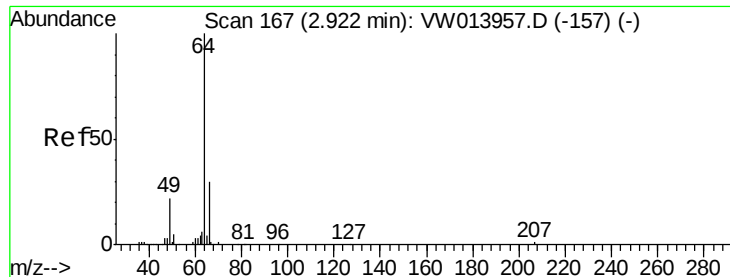
Tgt Ion: 94 Resp: 83690

Ion Ratio Lower Upper

94 100

96 95.0 9.4 178.8





#8

Chloroethane

Concen: 25.329 ug/L

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW013960.D

Acq: 11 Nov 2019 13:24

Instrument :

MSVOA_W

ClientSampleId :

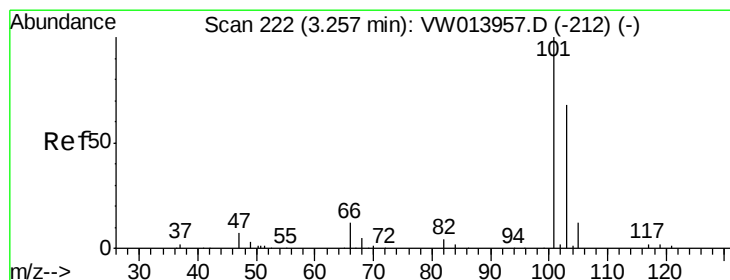
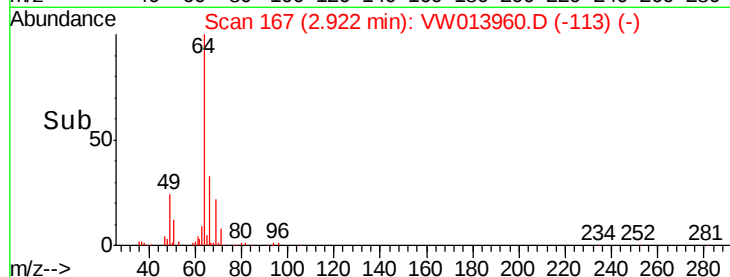
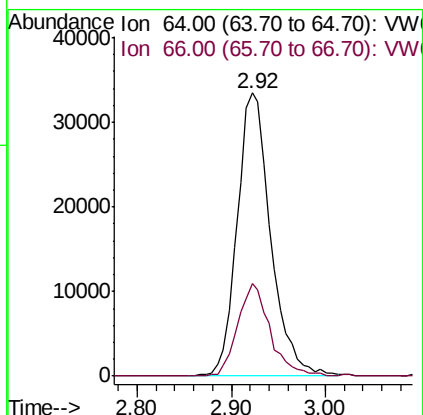
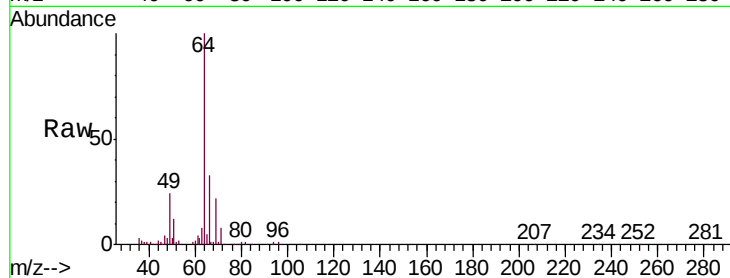
VICV05

Tgt Ion: 64 Resp: 83352

Ion Ratio Lower Upper

64 100

66 32.9 21.2 39.4



#9

Trichlorofluoromethane

Concen: 24.366 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.00 min

Lab File: VW013960.D

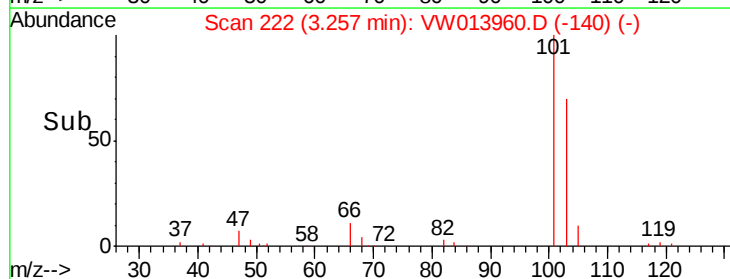
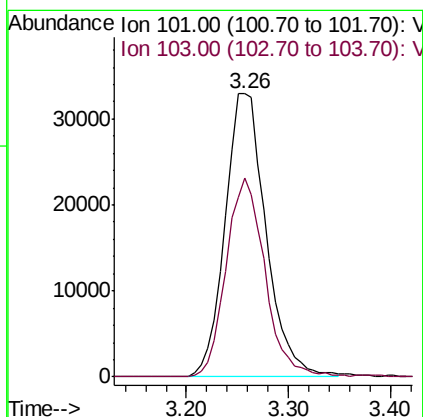
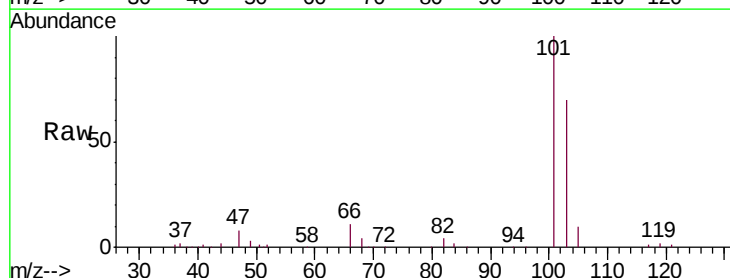
Acq: 11 Nov 2019 13:24

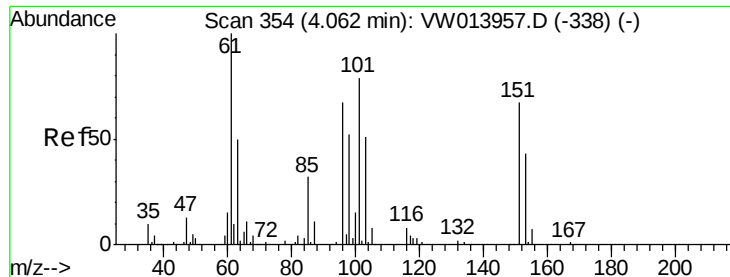
Tgt Ion: 101 Resp: 91920

Ion Ratio Lower Upper

101 100

103 65.9 45.4 84.2





#11

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

Concen: 25.277 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW013960.D

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Instrument :

MSVOA_W

ClientSampleId :

VICV05

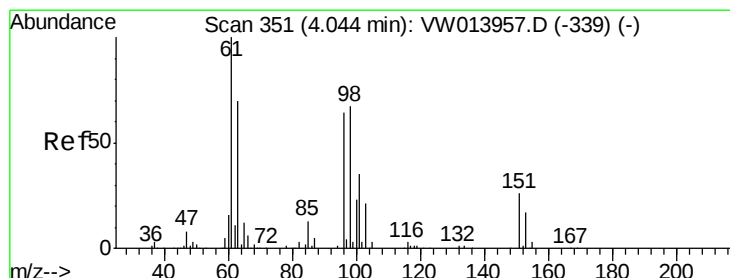
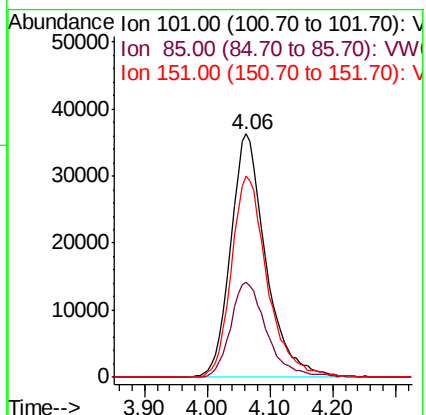
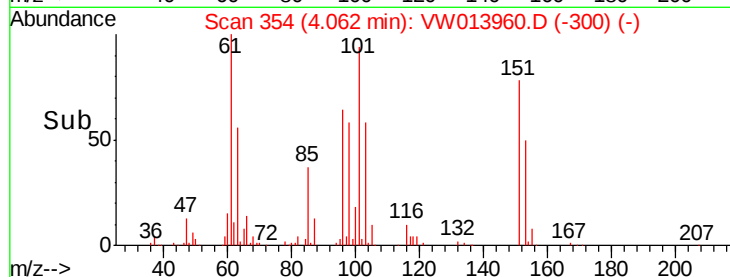
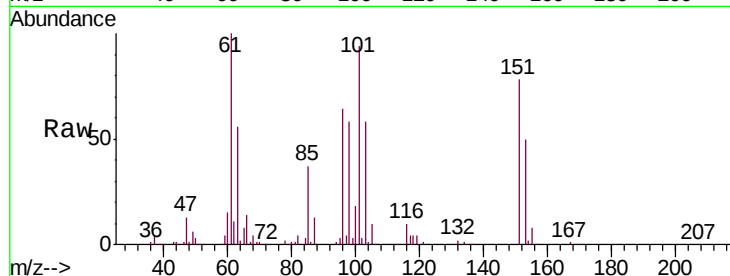
Tgt Ion: 101 Resp: 140801

Ion Ratio Lower Upper

101 100

85 40.0 31.4 47.2

151 82.8 66.9 100.3



#12

1,1-Dichloroethene

Concen: 24.924 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

Lab File: VW013960.D

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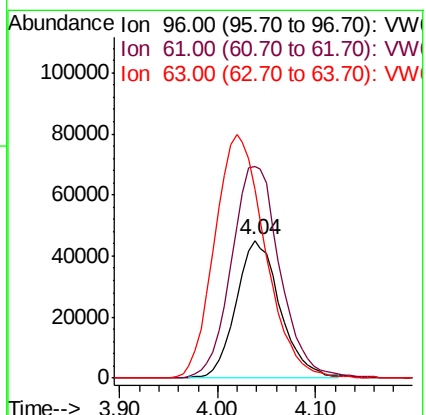
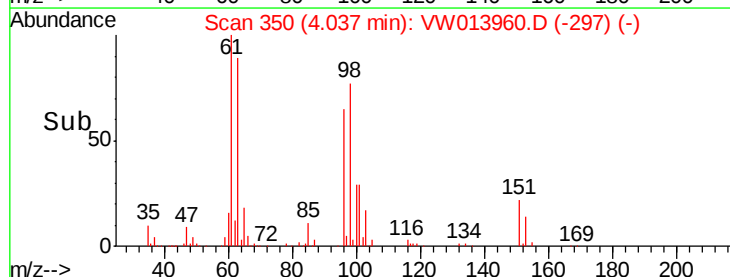
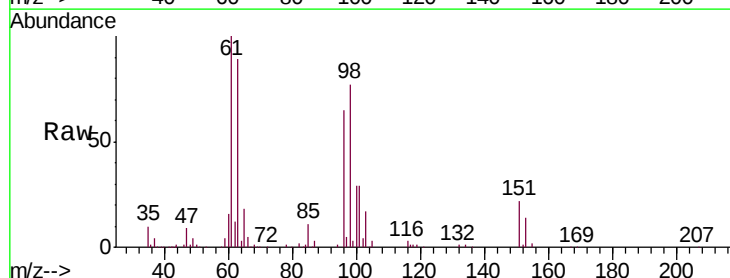
Tgt Ion: 96 Resp: 141127

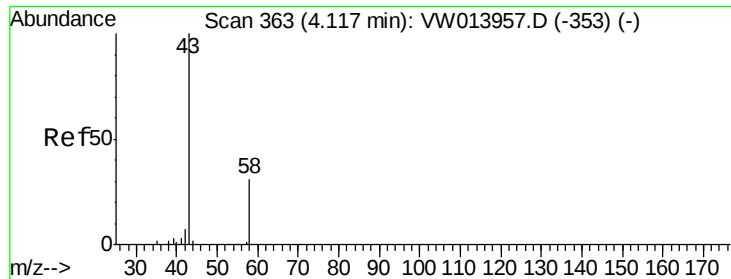
Ion Ratio Lower Upper

96 100

61 153.9 109.8 204.0

63 136.4 80.7 149.9





#13

Acetone

Concen: 41.972 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

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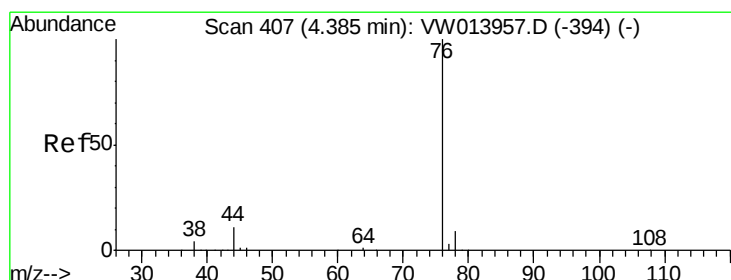
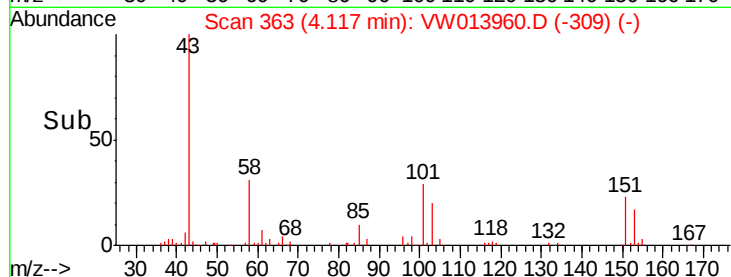
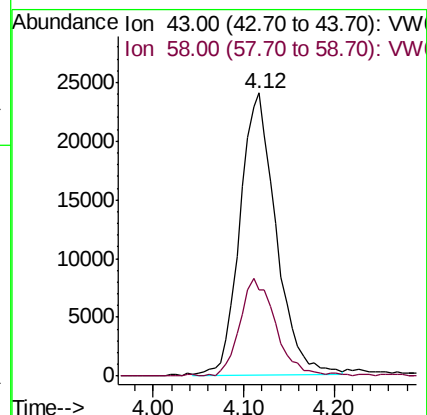
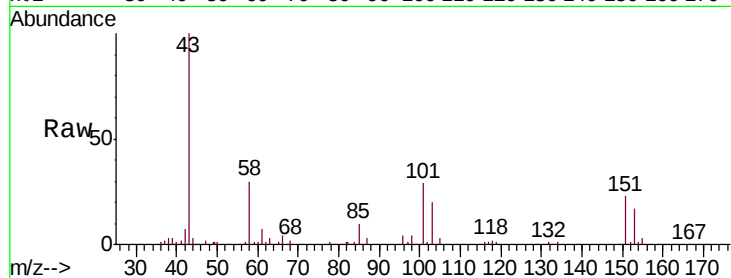
VICV05

Tgt Ion: 43 Resp: 66400

Ion Ratio Lower Upper

43 100

58 34.0 0.0 65.4



#14

Carbon disulfide

Concen: 25.744 ug/L

RT: 4.38 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW013960.D

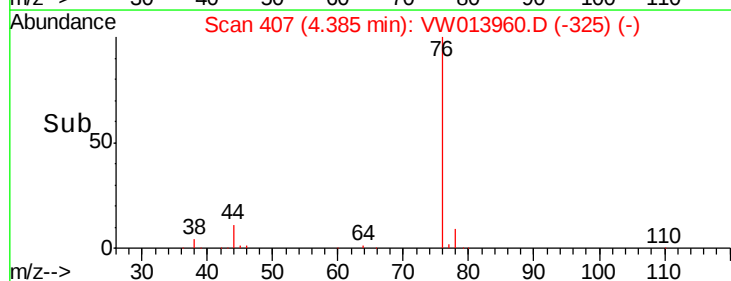
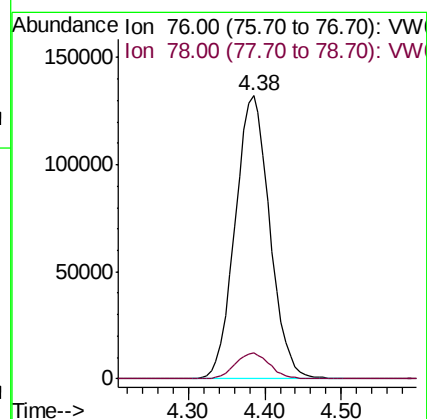
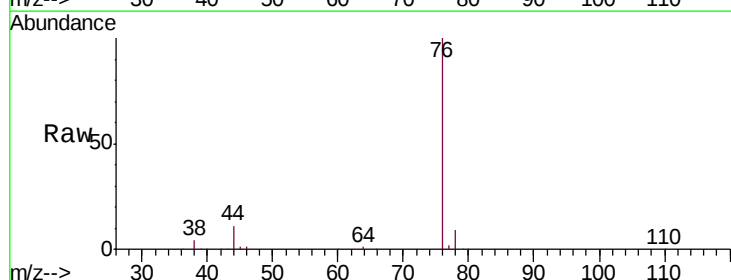
Acq: 11 Nov 2019 13:24

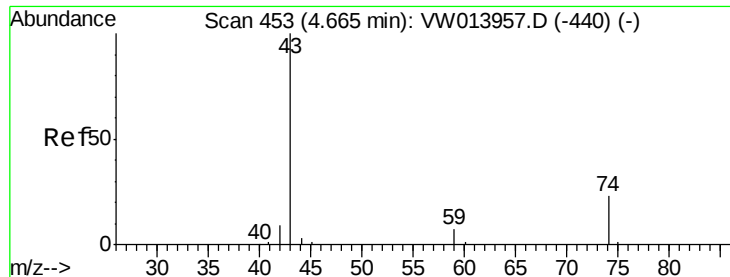
Tgt Ion: 76 Resp: 414882

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8

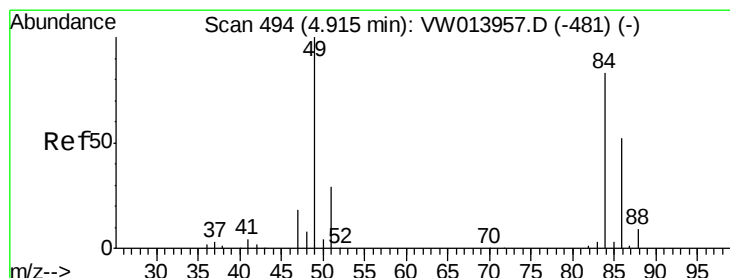
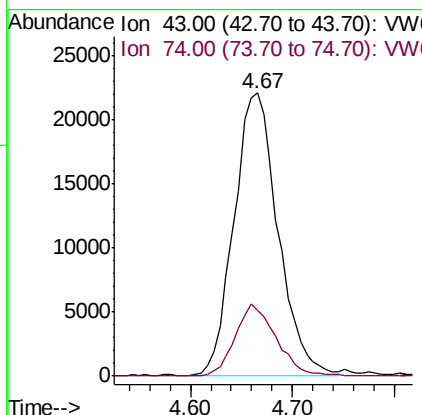
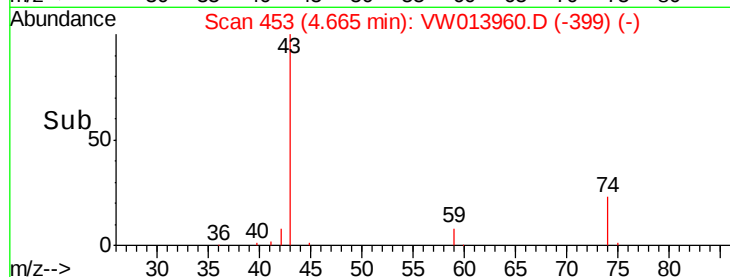
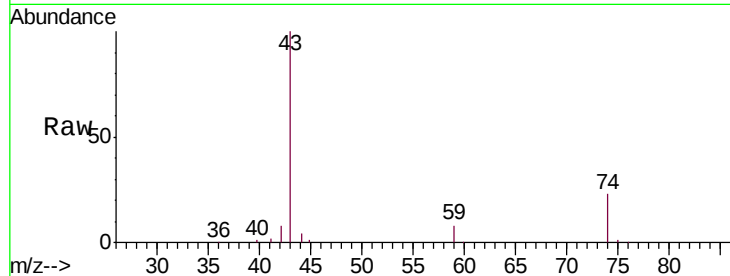




#15
Methyl Acetate
Concen: 25.933 ug/L
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW013960.D
Acq: 11 Nov 2019 13:24

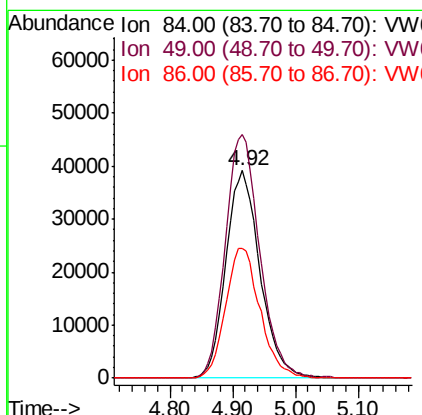
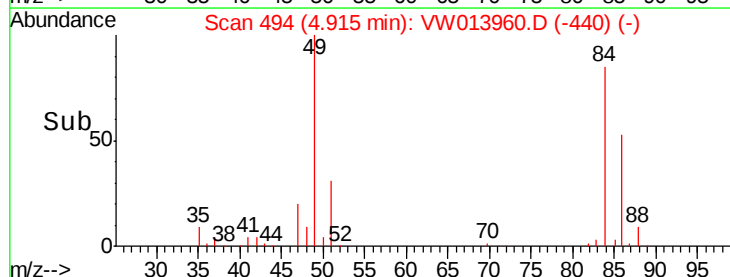
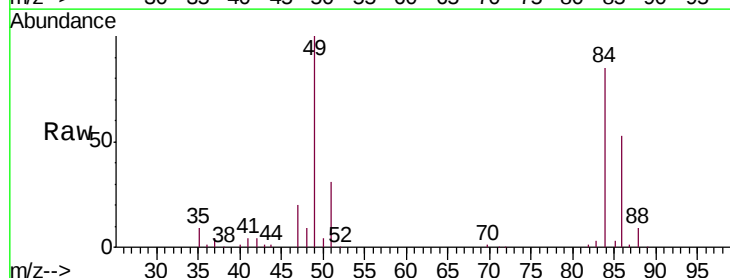
Instrument :
MSVOA_W
ClientSampleId :
VICV05

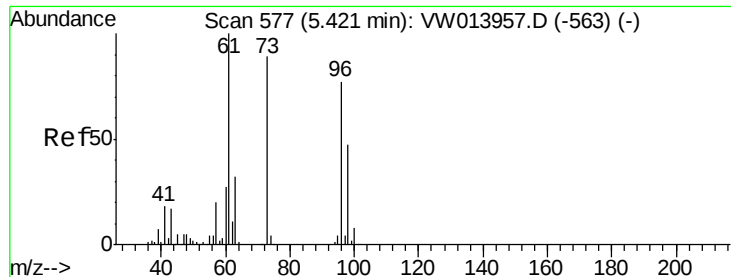
Tgt Ion: 43 Resp: 66378
Ion Ratio Lower Upper
43 100
74 23.6 19.3 28.9



#16
Methylene chloride
Concen: 22.875 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW013960.D
Acq: 11 Nov 2019 13:24

Tgt Ion: 84 Resp: 147712
Ion Ratio Lower Upper
84 100
49 117.3 84.2 156.4
86 62.6 43.7 81.1





#17

Methyl tert-butyl Ether

Concen: 25.277 ug/L

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW013960.D

Acq: 11 Nov 2019 13:24

Instrument :

MSVOA_W

ClientSampled :

VICV05

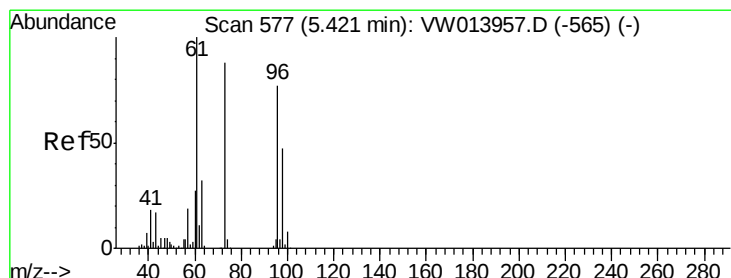
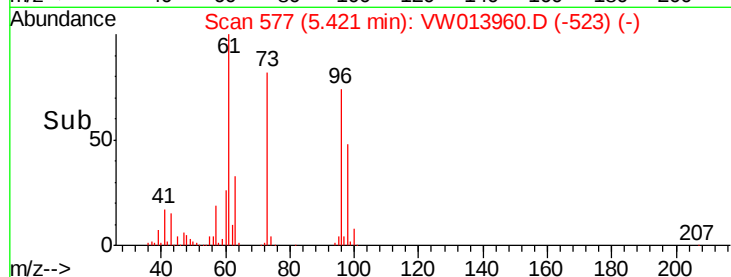
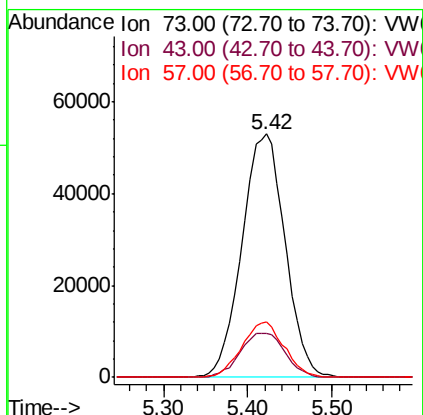
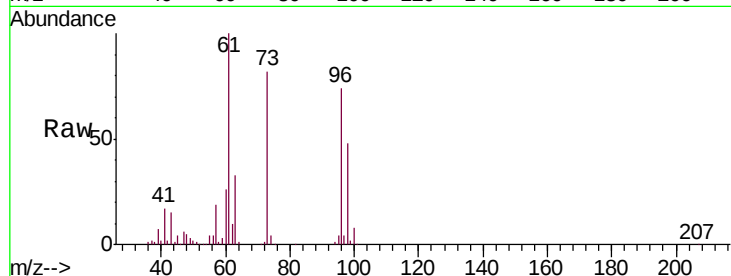
Tgt Ion: 73 Resp: 184647

Ion Ratio Lower Upper

73 100

43 18.9 15.5 23.3

57 22.4 18.2 27.4



#18

trans-1,2-Dichloroethene

Concen: 25.088 ug/L

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW013960.D

Acq: 11 Nov 2019 13:24

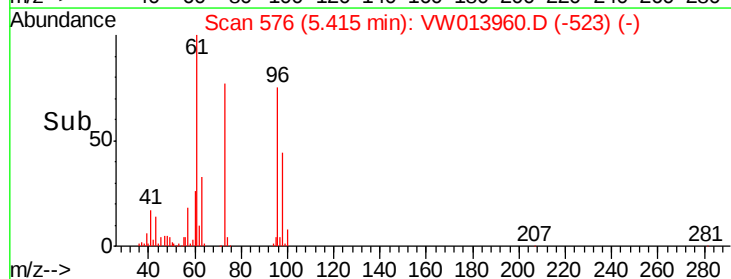
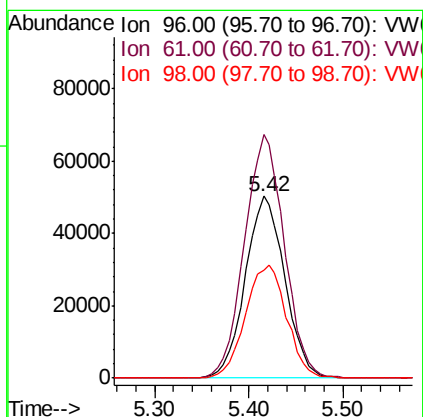
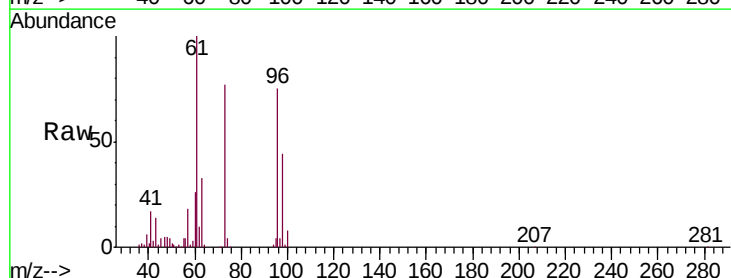
Tgt Ion: 96 Resp: 148132

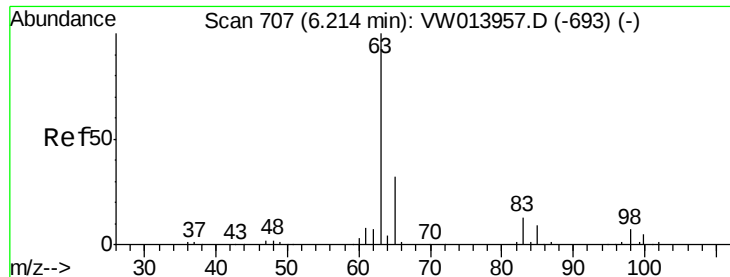
Ion Ratio Lower Upper

96 100

61 134.0 90.6 168.2

98 59.5 42.9 79.7

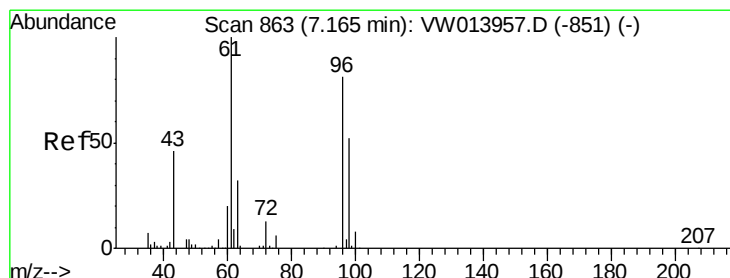
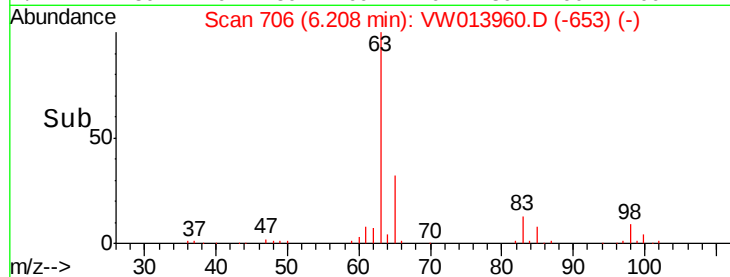
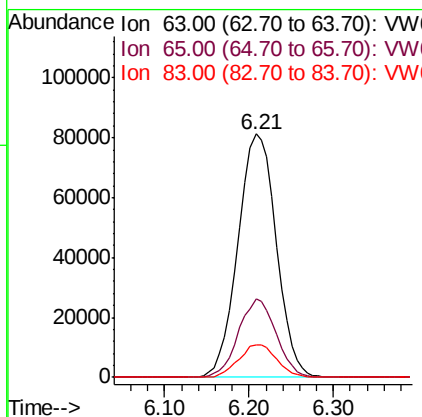
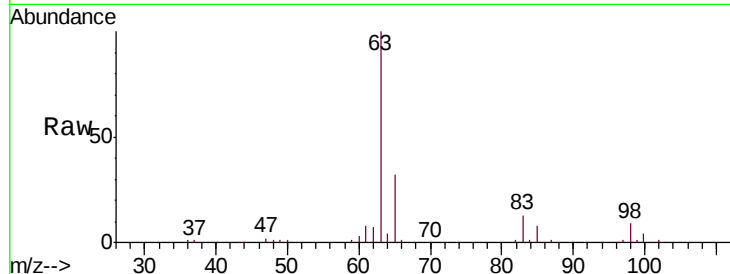




#19
 1,1-Dichloroethane
 Concen: 25.227 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VW013960.D
 Acq: 11 Nov 2019 13:24

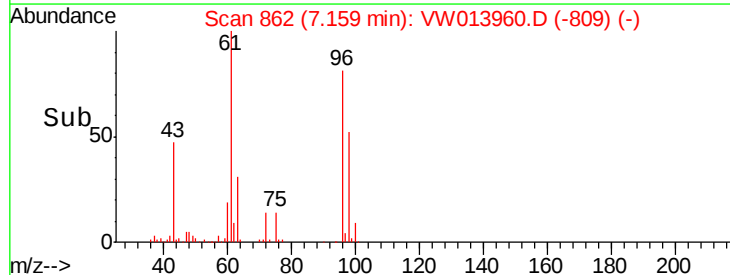
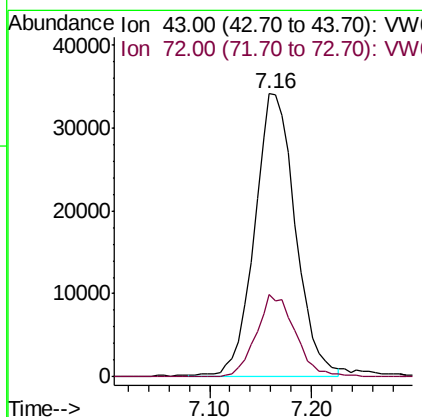
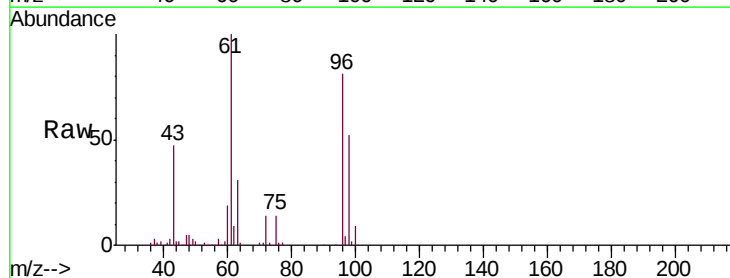
Instrument :
 MSVOA_W
 ClientSampled :
 VICV05

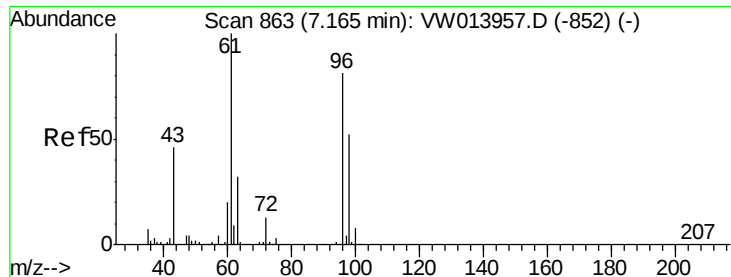
Tgt Ion: 63 Resp: 250901
 Ion Ratio Lower Upper
 63 100
 65 32.5 22.1 41.1
 83 13.2 9.0 16.6



#21
 2-Butanone
 Concen: 46.712 ug/L
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW013960.D
 Acq: 11 Nov 2019 13:24

Tgt Ion: 43 Resp: 94941
 Ion Ratio Lower Upper
 43 100
 72 27.8 14.1 42.2



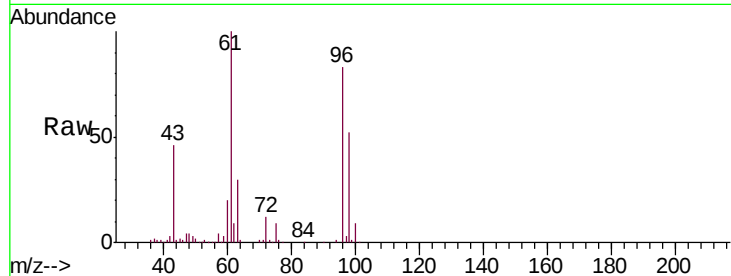


#22

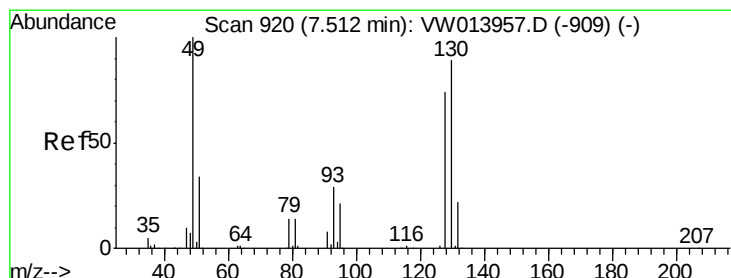
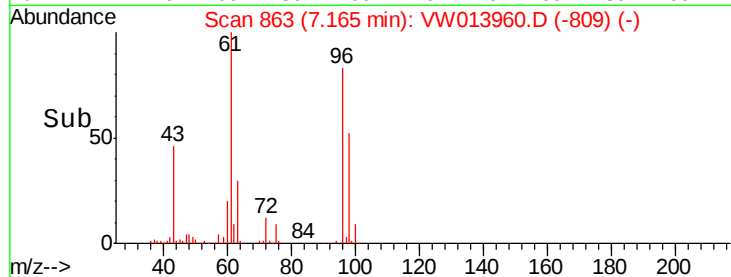
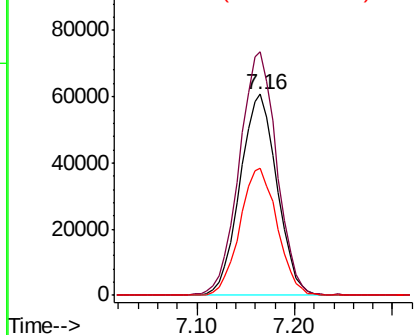
cis-1,2-Dichloroethene
Concen: 25.734 ug/L
RT: 7.16 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW013960.D
Acq: 11 Nov 2019 13:24

Instrument :
MSVOA_W
ClientSampleId :
VICV05

Tgt Ion: 96 Resp: 159897
Ion Ratio Lower Upper
96 100
61 121.0 86.9 161.5
98 63.1 45.5 84.5



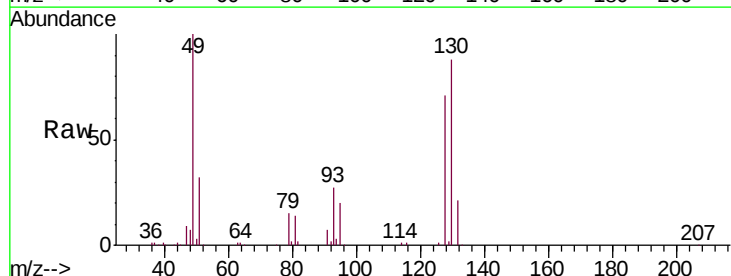
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



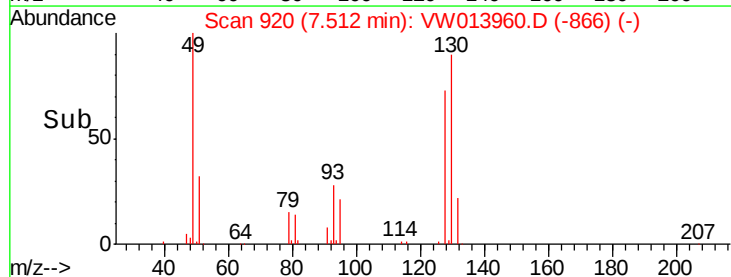
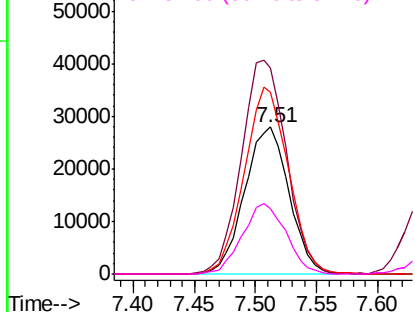
#23

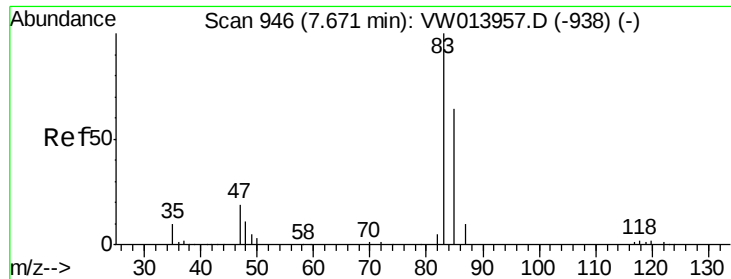
Bromochloromethane
Concen: 25.938 ug/L
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW013960.D
Acq: 11 Nov 2019 13:24

Tgt Ion: 128 Resp: 70746
Ion Ratio Lower Upper
128 100
49 140.4 95.1 176.5
130 123.8 85.0 158.0
51 44.3 36.7 55.1



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

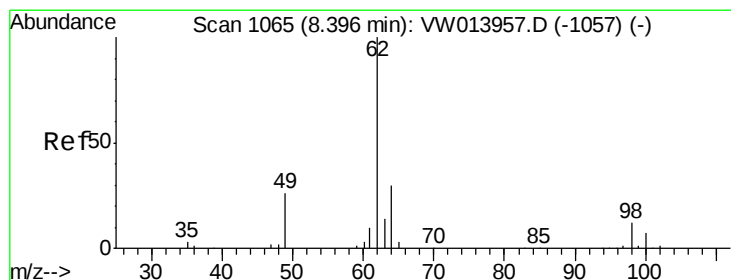
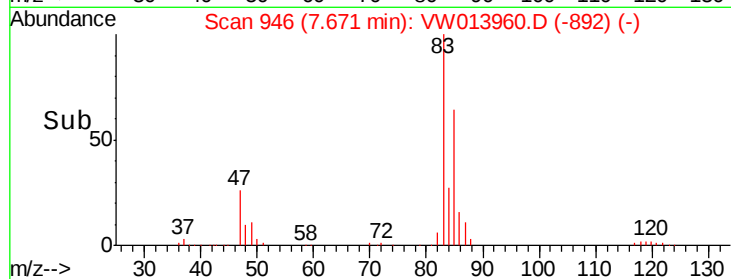
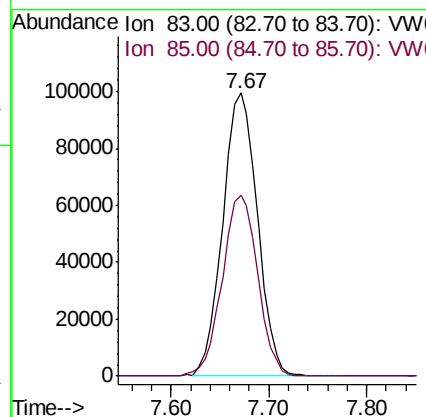
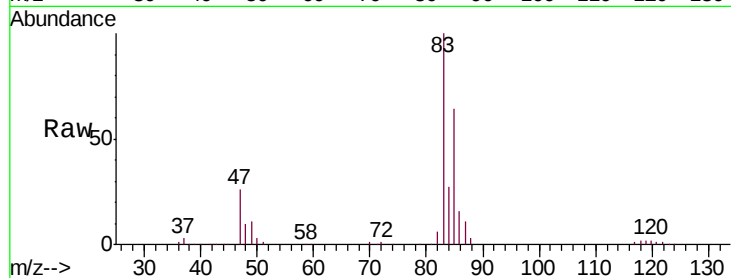




#25
Chloroform
Concen: 25.060 ug/L
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW013960.D
Acq: 11 Nov 2019 13:24

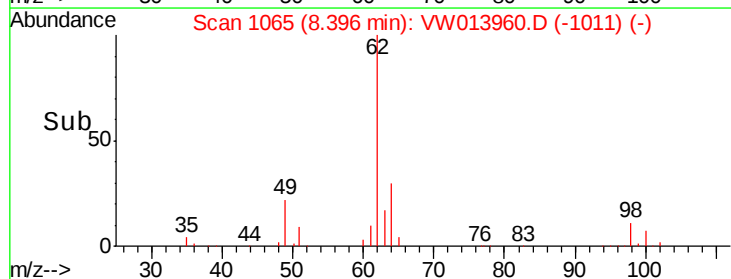
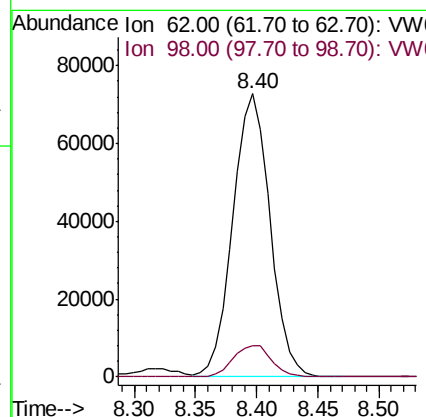
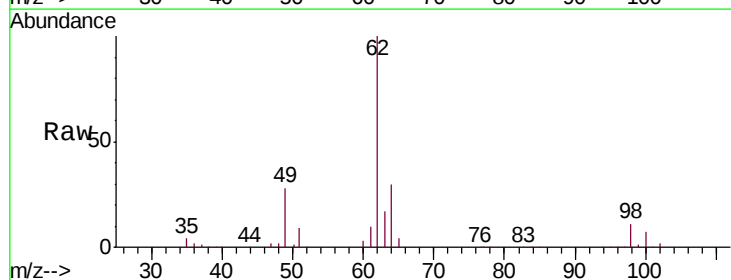
Instrument :
MSVOA_W
ClientSampleId :
VICV05

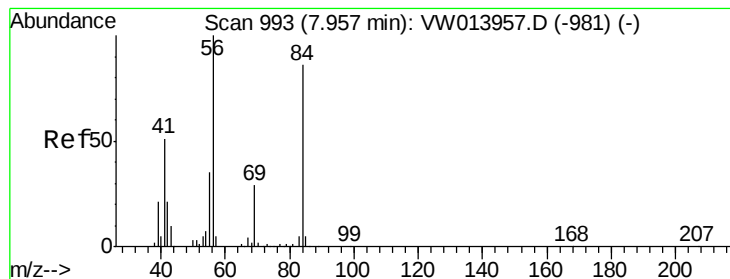
Tgt Ion: 83 Resp: 244763
Ion Ratio Lower Upper
83 100
85 65.5 46.1 85.7



#27
1,2-Dichloroethane
Concen: 25.937 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW013960.D
Acq: 11 Nov 2019 13:24

Tgt Ion: 62 Resp: 153373
Ion Ratio Lower Upper
62 100
98 10.8 9.3 13.9





#30

Cyclohexane

Concen: 25.227 ug/L

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW013960.D

Acq: 11 Nov 2019 13:24

Instrument :

MSVOA_W

ClientSampleId :

VICV05

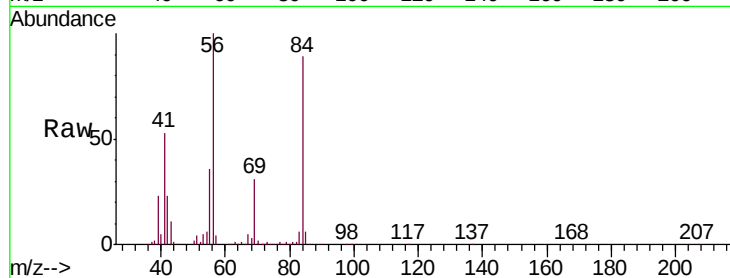
Tgt Ion: 56 Resp: 255657

Ion Ratio Lower Upper

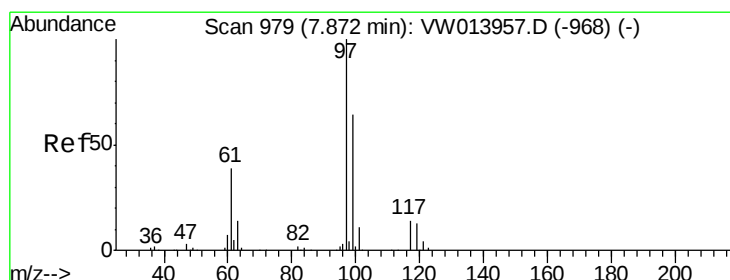
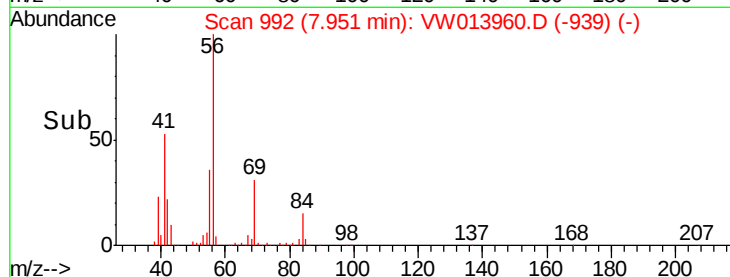
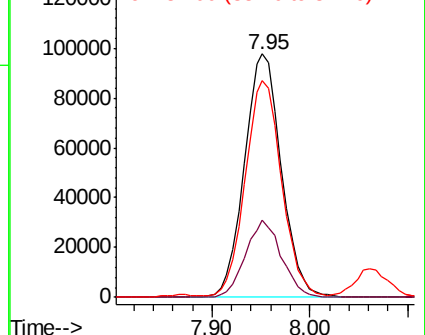
56 100

69 30.9 24.6 37.0

84 88.5 70.2 105.2



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#31

1,1,1-Trichloroethane

Concen: 24.714 ug/L

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW013960.D

Acq: 11 Nov 2019 13:24

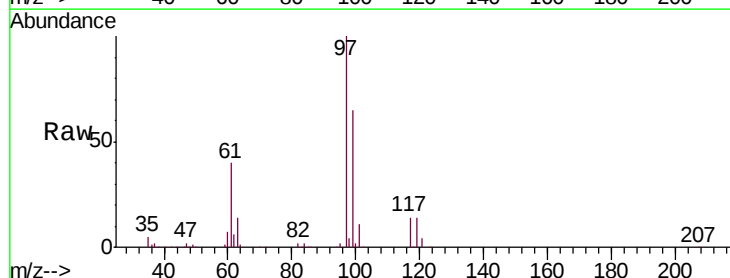
Tgt Ion: 97 Resp: 196130

Ion Ratio Lower Upper

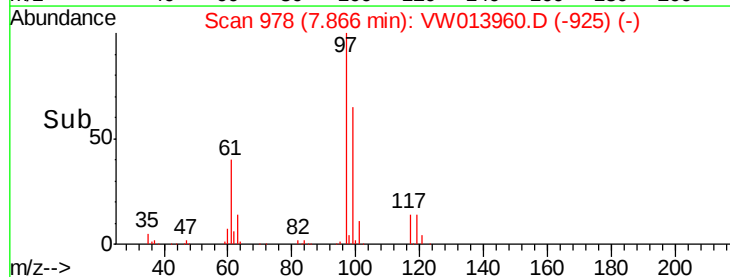
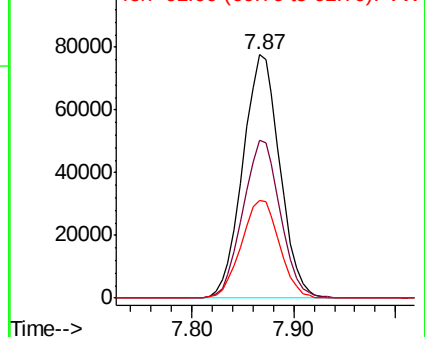
97 100

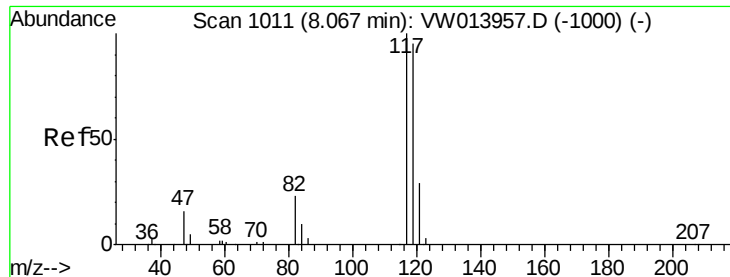
99 65.3 51.1 76.7

61 41.3 32.8 49.2



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 25.236 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW013960.D

Acq: 11 Nov 2019 13:24

Instrument :

MSVOA_W

ClientSampleId :

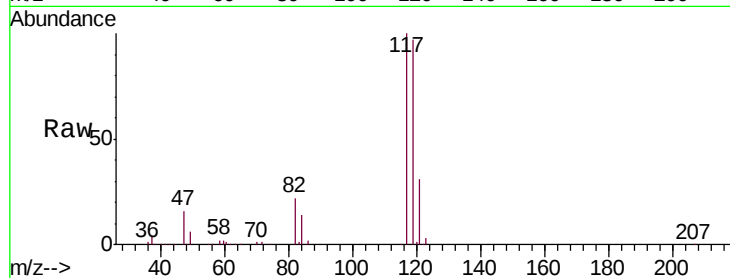
VICV05

Tgt Ion:117 Resp: 192252

Ion Ratio Lower Upper

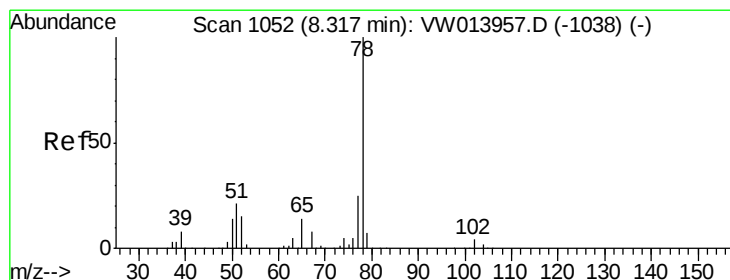
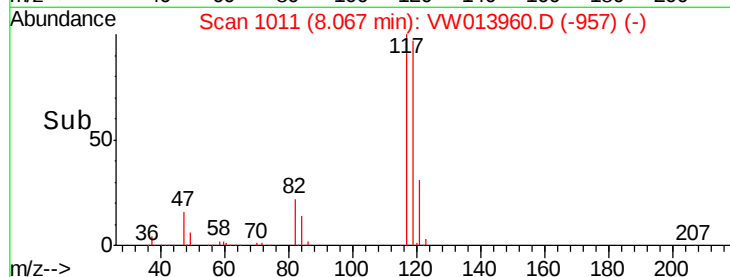
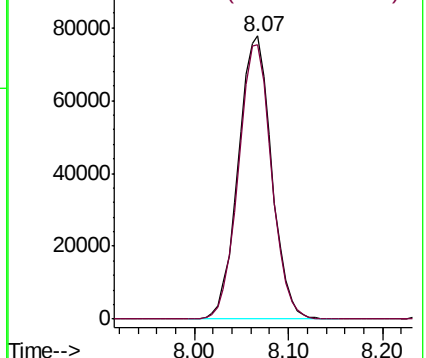
117 100

119 96.4 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: 25.257 ug/L

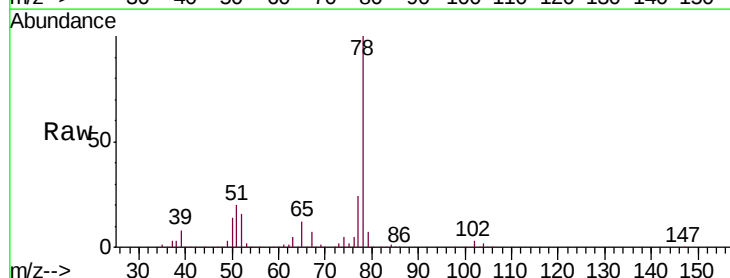
RT: 8.32 min Scan# 1052

Delta R.T. 0.00 min

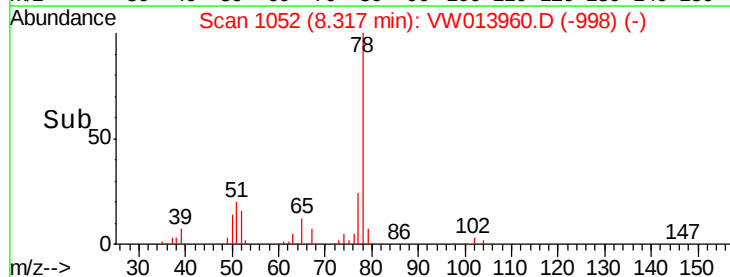
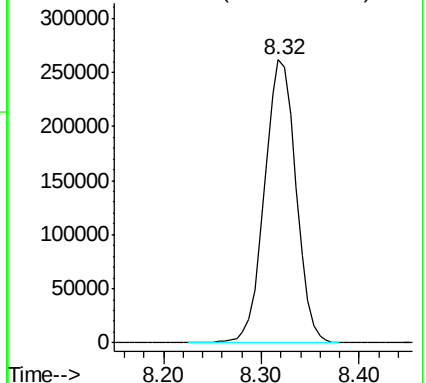
Lab File: VW013960.D

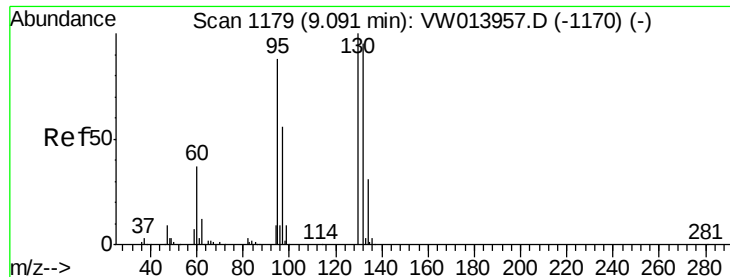
Acq: 11 Nov 2019 13:24

Tgt Ion: 78 Resp: 586666



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 24.789 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW013960.D

Acq: 11 Nov 2019 13:24

Instrument :

MSVOA_W

ClientSampleId :

VICV05

Tgt Ion: 95 Resp: 153594

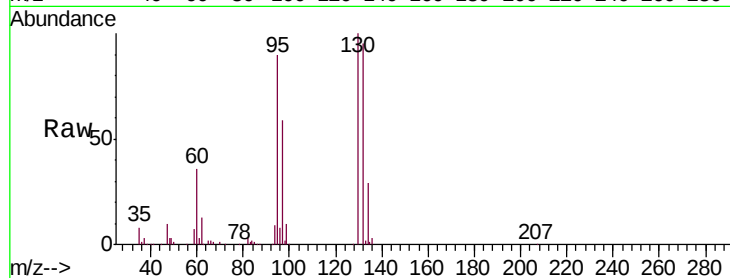
Ion Ratio Lower Upper

95 100

97 64.2 45.1 83.9

132 106.0 73.7 136.9

130 109.6 76.6 142.2

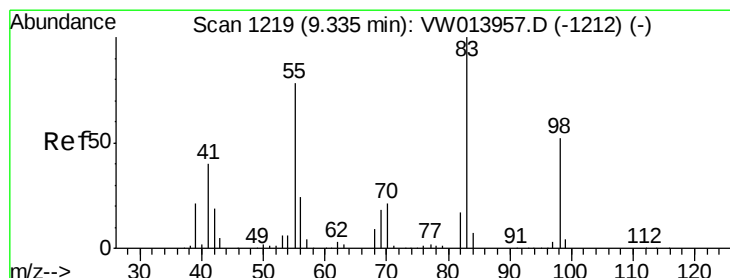
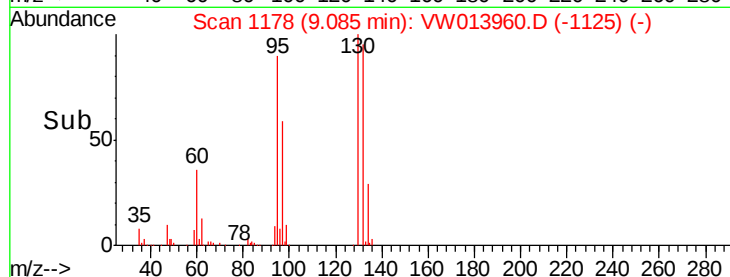
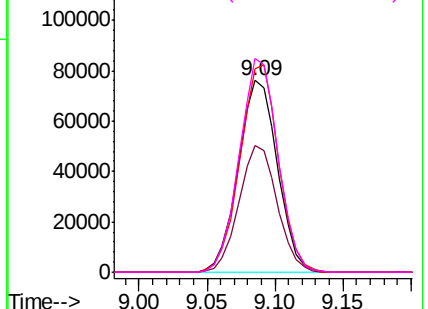


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#36

Methylcyclohexane

Concen: 25.297 ug/L

RT: 9.33 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VW013960.D

Acq: 11 Nov 2019 13:24

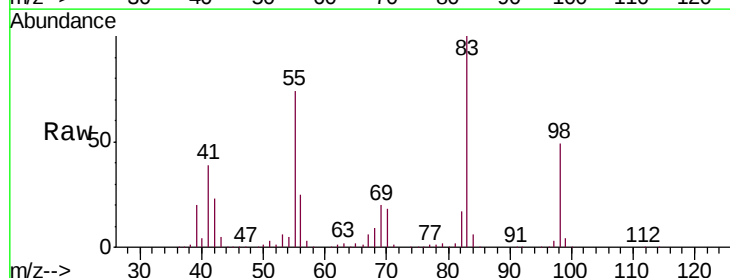
Tgt Ion: 83 Resp: 281036

Ion Ratio Lower Upper

83 100

55 74.8 59.8 89.8

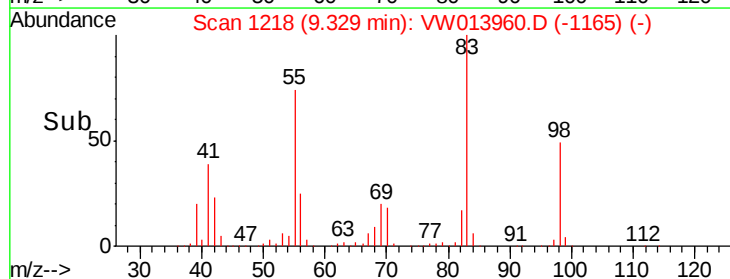
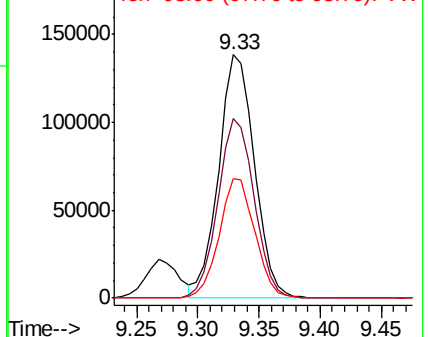
98 48.9 39.5 59.3

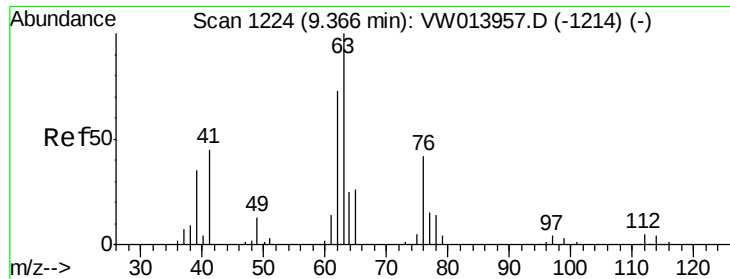


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

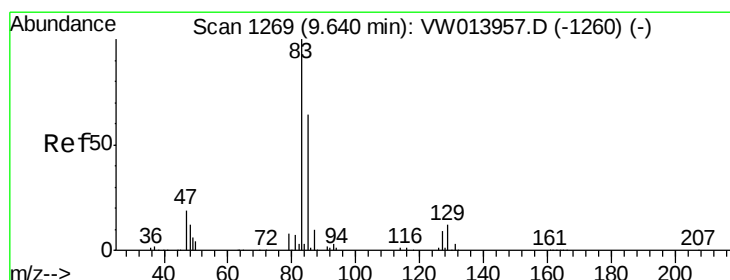
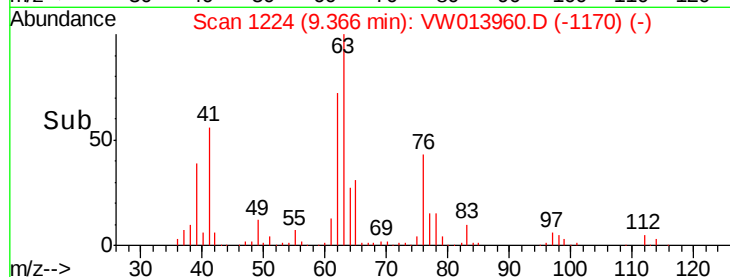
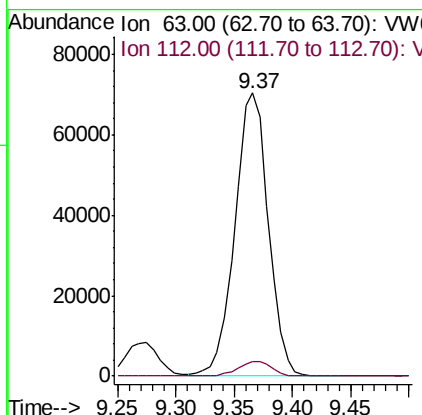
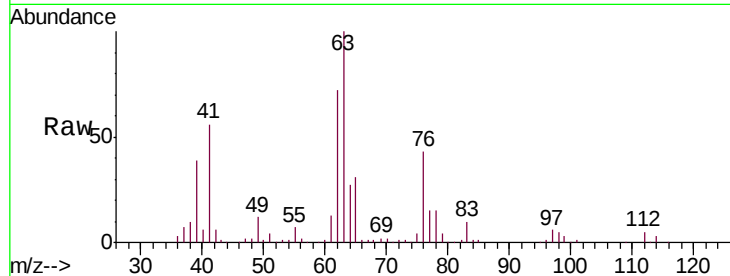




#40
 1,2-Dichloropropane
 Concen: 25.240 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW013960.D
 Acq: 11 Nov 2019 13:24

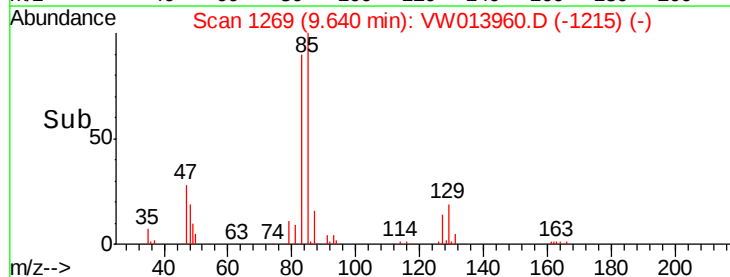
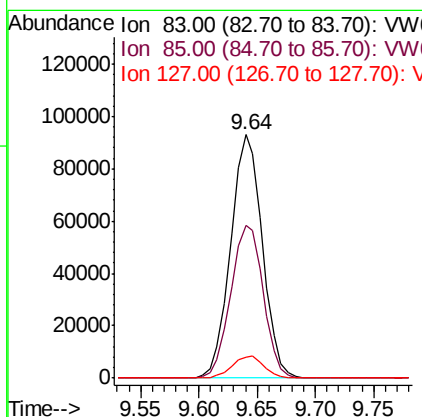
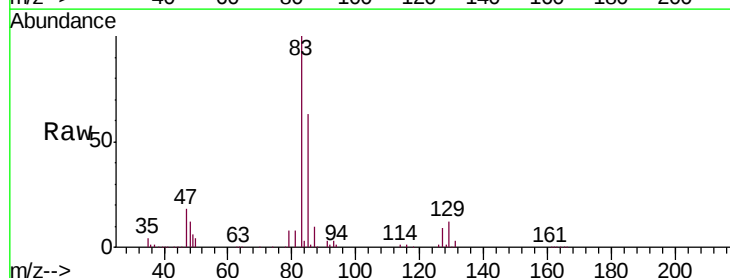
Instrument :
 MSVOA_W
 ClientSampleId :
 VICV05

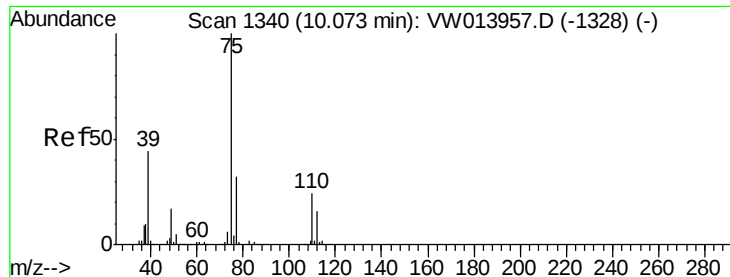
Tgt Ion: 63 Resp: 141130
 Ion Ratio Lower Upper
 63 100
 112 5.2 3.9 5.9



#41
 Bromodichloromethane
 Concen: 26.033 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW013960.D
 Acq: 11 Nov 2019 13:24

Tgt Ion: 83 Resp: 175980
 Ion Ratio Lower Upper
 83 100
 85 62.5 45.1 83.7
 127 8.8 7.4 11.0





#42

cis-1,3-Dichloropropene

Concen: 26.210 ug/L

RT: 10.07 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VW013960.D

Acq: 11 Nov 2019 13:24

Instrument :

MSVOA_W

ClientSampleId :

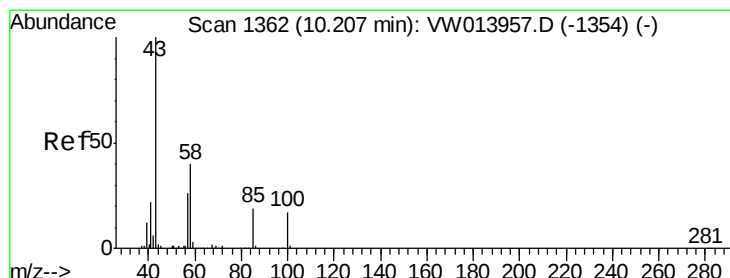
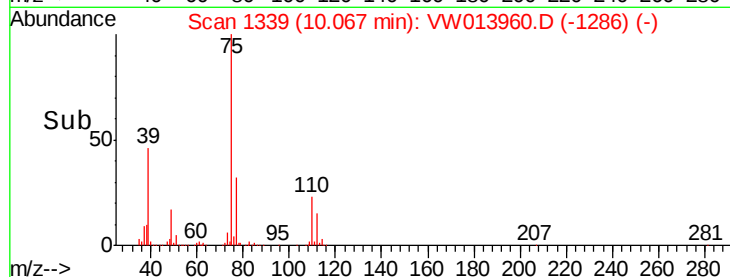
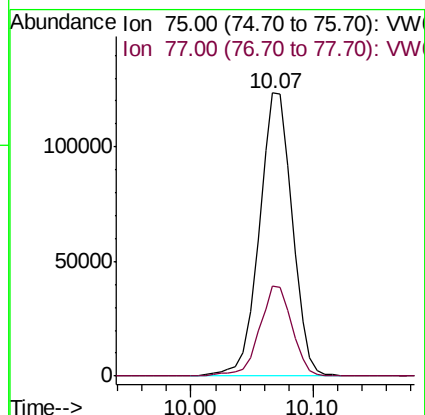
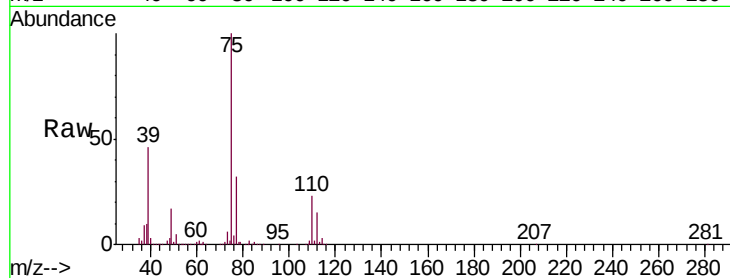
VICV05

Tgt Ion: 75 Resp: 231279

Ion Ratio Lower Upper

75 100

77 32.0 22.1 41.1



#43

4-Methyl-2-pentanone

Concen: 50.667 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW013960.D

Acq: 11 Nov 2019 13:24

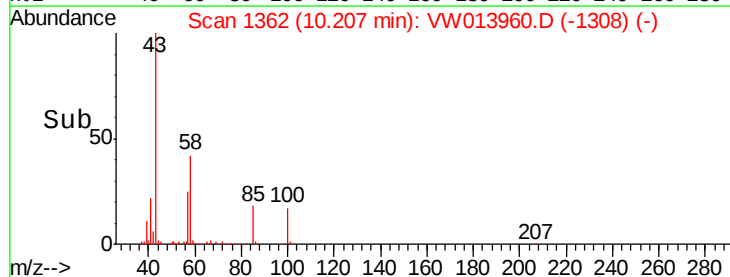
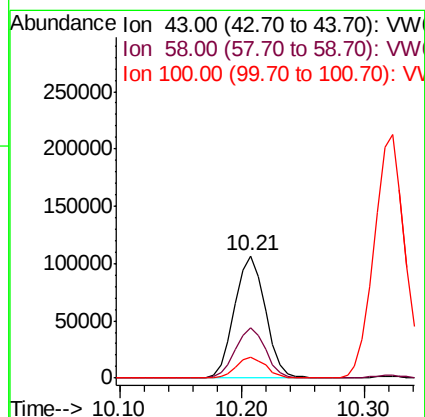
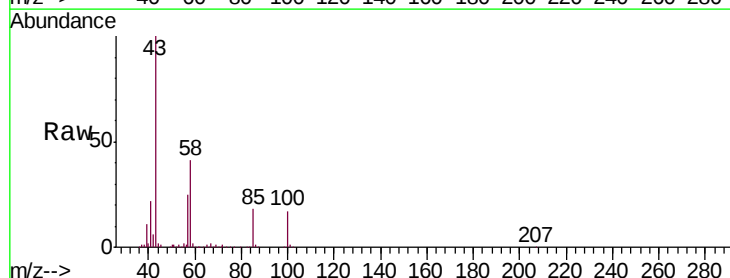
Tgt Ion: 43 Resp: 187056

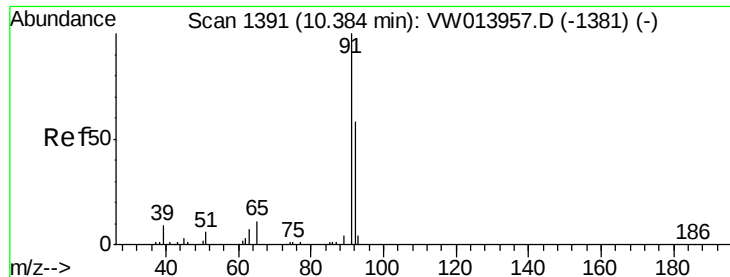
Ion Ratio Lower Upper

43 100

58 40.4 32.6 49.0

100 16.7 13.8 20.8





#44

Toluene

Concen: 25.096 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW013960.D

Acq: 11 Nov 2019 13:24

Instrument :

MSVOA_W

ClientSampled :

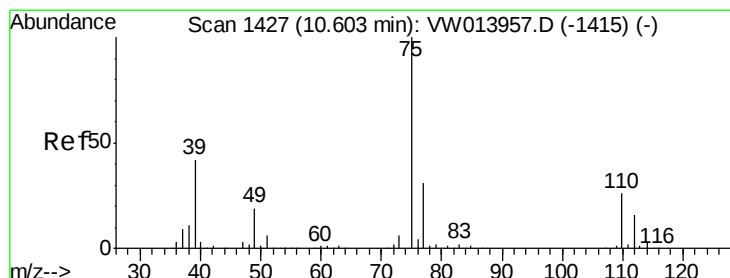
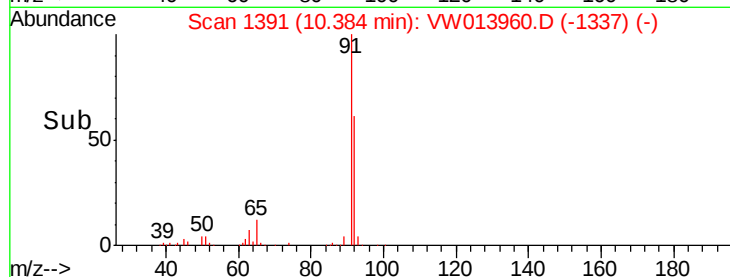
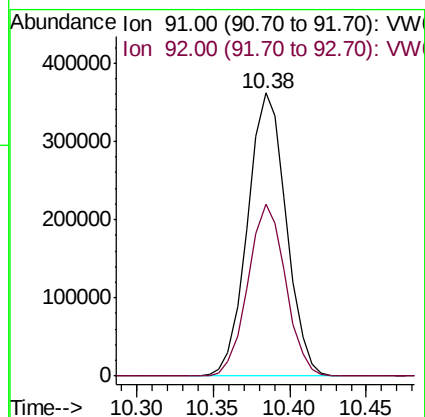
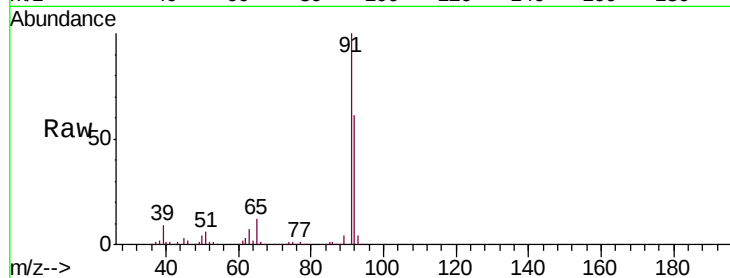
VICV05

Tgt Ion: 91 Resp: 635562

Ion Ratio Lower Upper

91 100

92 60.8 40.7 75.7



#45

trans-1,3-Dichloropropene

Concen: 26.013 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW013960.D

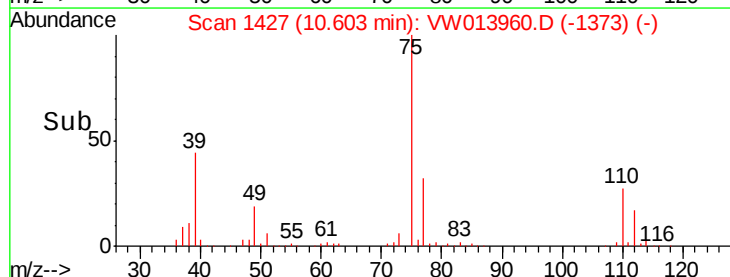
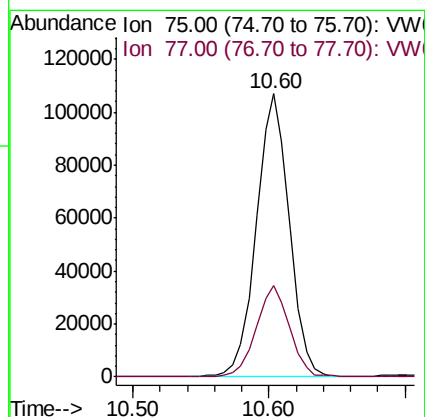
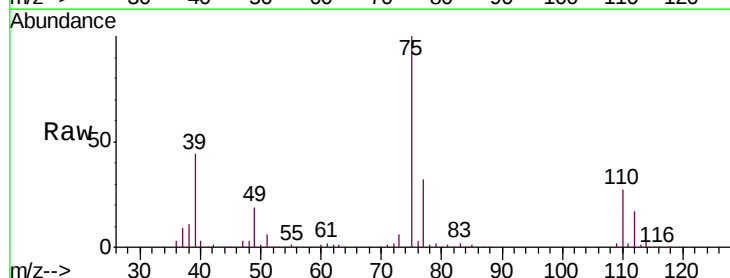
Acq: 11 Nov 2019 13:24

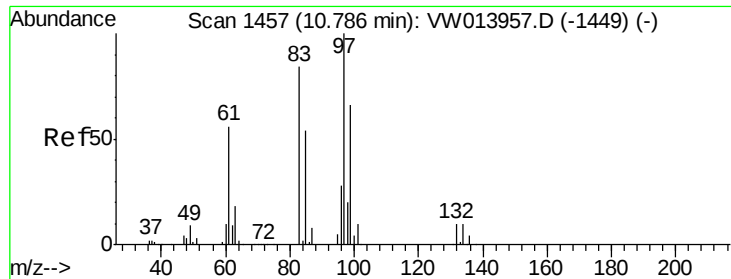
Tgt Ion: 75 Resp: 181519

Ion Ratio Lower Upper

75 100

77 32.3 21.8 40.6





#46

1,1,2-Trichloroethane

Concen: 25.799 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW013960.D

Acq: 11 Nov 2019 13:24

Instrument :

MSVOA_W

ClientSampleId :

VICV05

Tgt Ion: 97 Resp: 105996

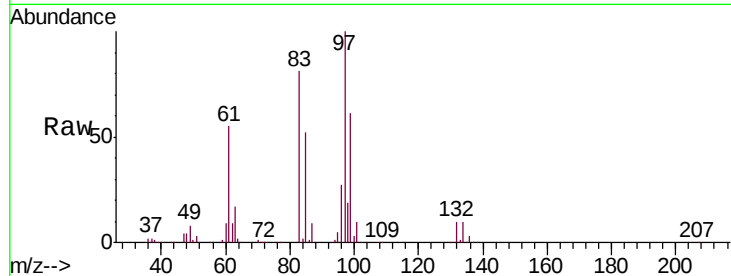
Ion Ratio Lower Upper

97 100

83 81.2 58.9 109.5

85 51.5 38.1 70.9

99 61.3 46.5 86.3

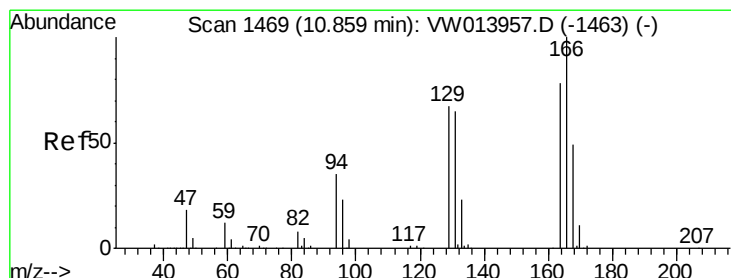
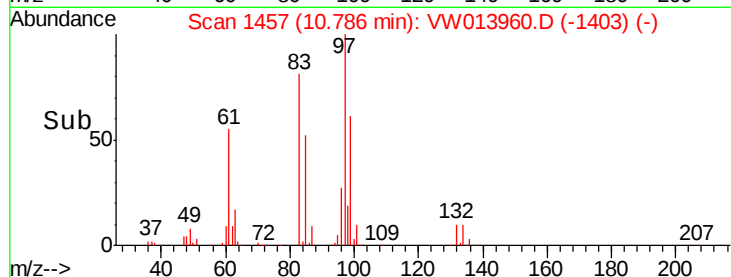
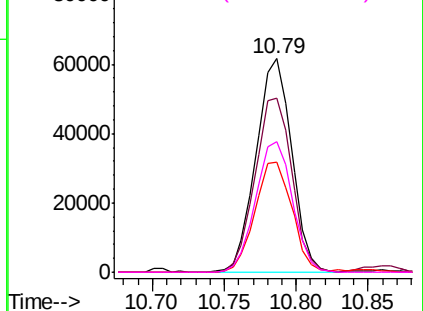


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 25.326 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW013960.D

Acq: 11 Nov 2019 13:24

Tgt Ion: 164 Resp: 139872

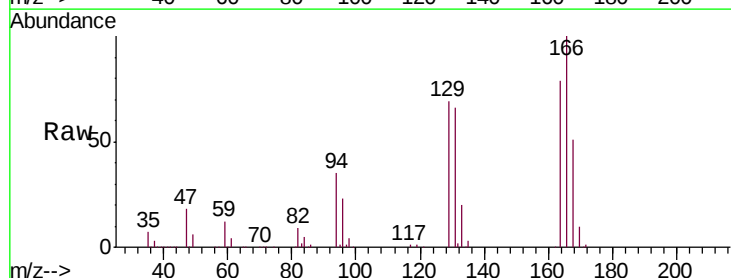
Ion Ratio Lower Upper

164 100

129 86.8 60.6 112.6

131 83.4 59.1 109.7

166 126.4 90.8 168.6

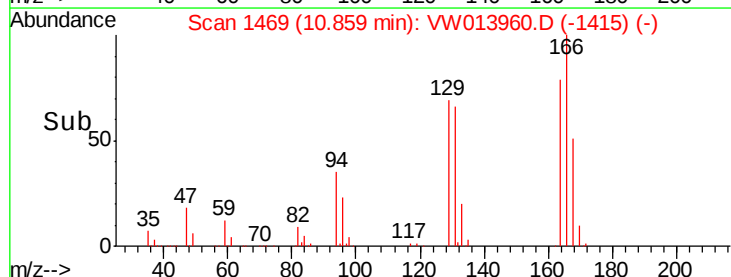
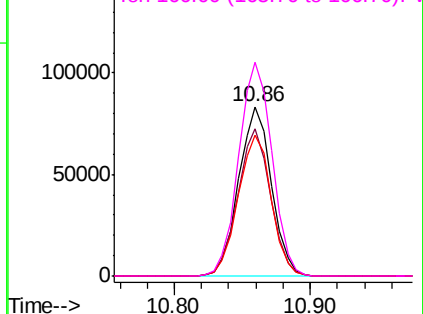


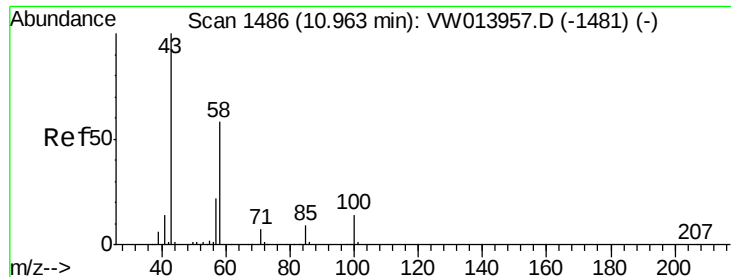
Abundance Ion 164.00 (163.70 to 164.70): V

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

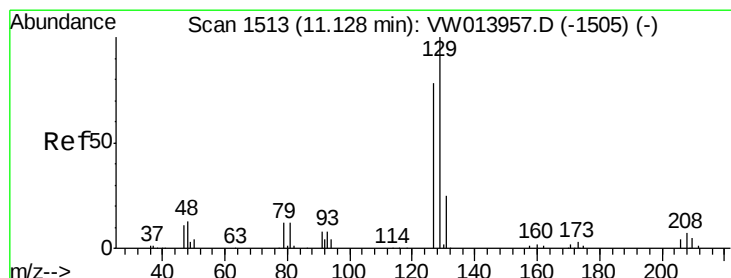
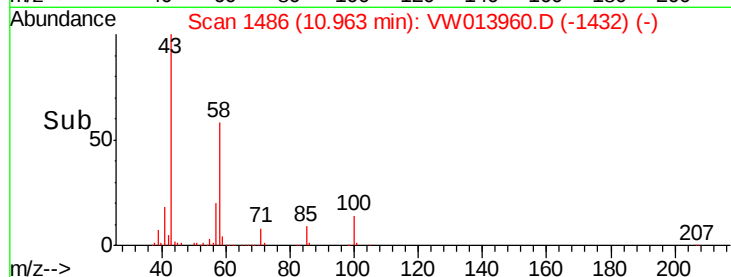
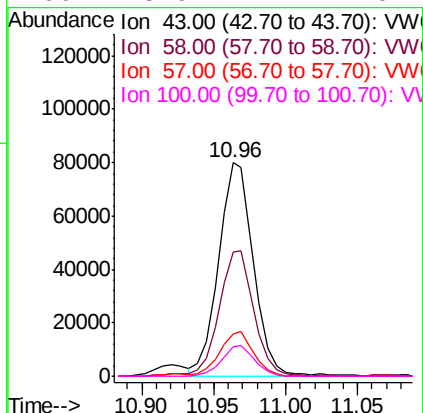
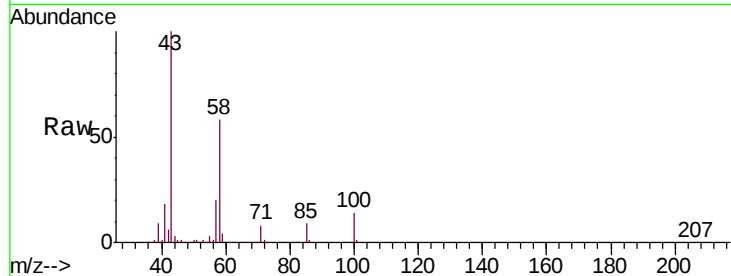




#49
2-Hexanone
Concen: 50.826 ug/L
RT: 10.96 min Scan# 1486
Delta R.T. 0.00 min
Lab File: VW013960.D
Acq: 11 Nov 2019 13:24

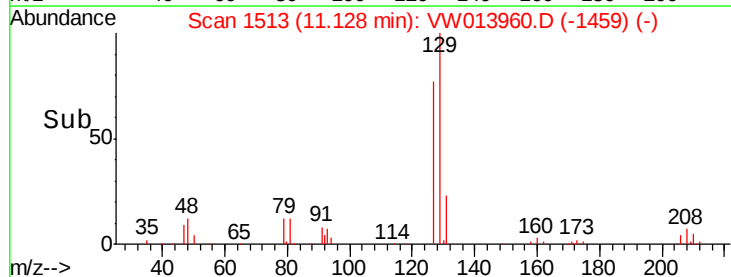
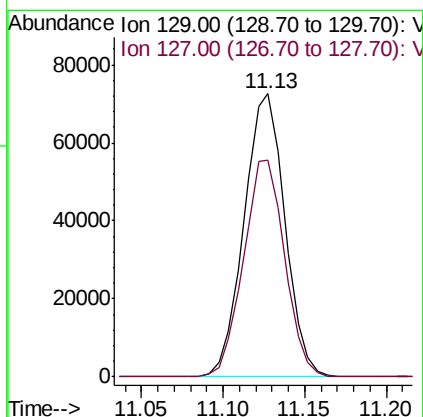
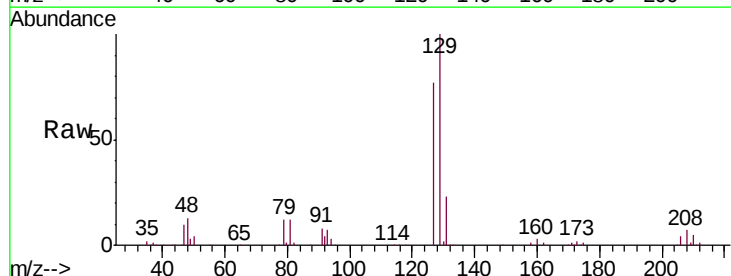
Instrument :
MSVOA_W
ClientSampleId :
VICV05

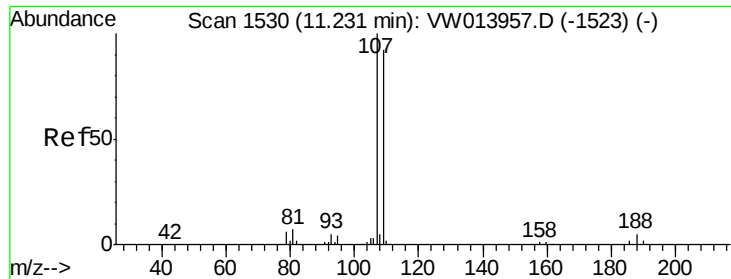
Tgt Ion: 43 Resp: 135281
Ion Ratio Lower Upper
43 100
58 59.5 44.4 66.6
57 20.4 16.5 24.7
100 13.9 11.1 16.7



#50
Dibromochloromethane
Concen: 26.225 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW013960.D
Acq: 11 Nov 2019 13:24

Tgt Ion: 129 Resp: 126643
Ion Ratio Lower Upper
129 100
127 76.5 54.9 102.1

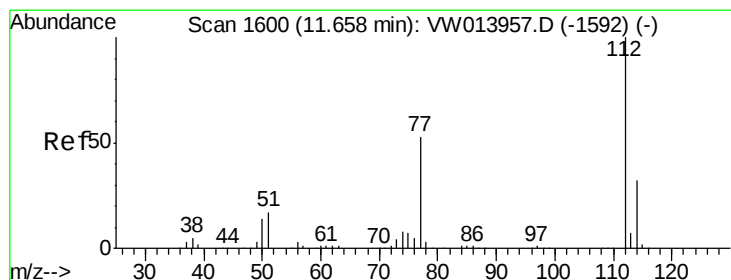
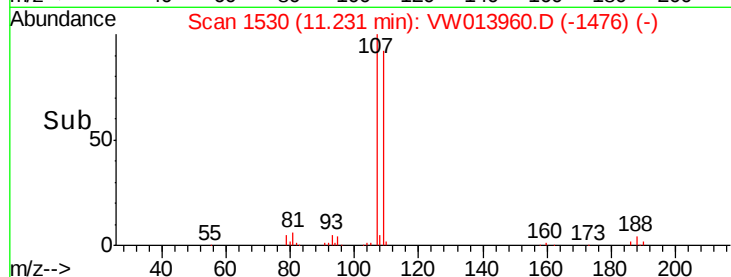
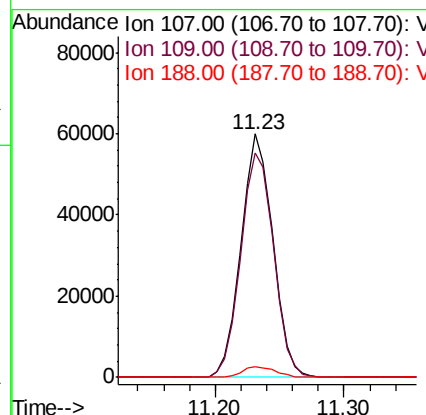
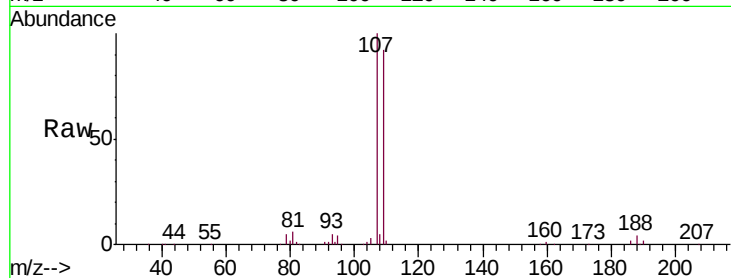




#51
 1,2-Dibromoethane
 Concen: 25.722 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW013960.D
 Acq: 11 Nov 2019 13:24

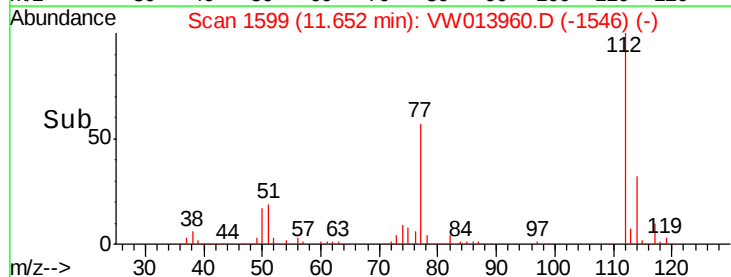
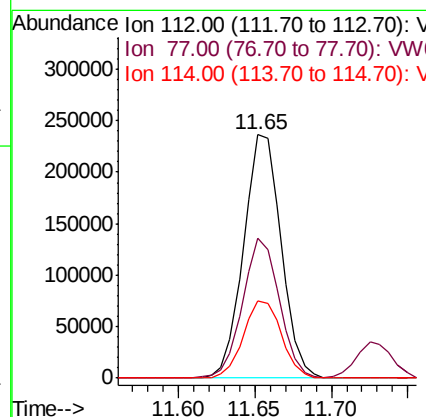
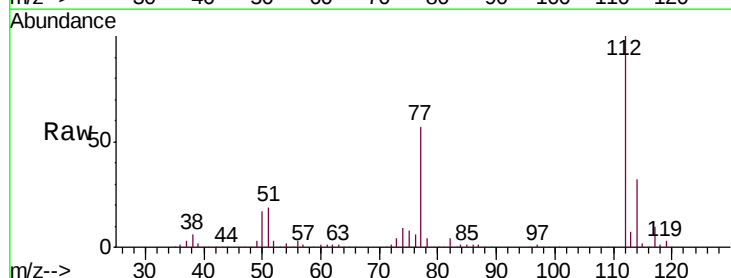
Instrument :
 MSVOA_W
 ClientSampleId :
 VICV05

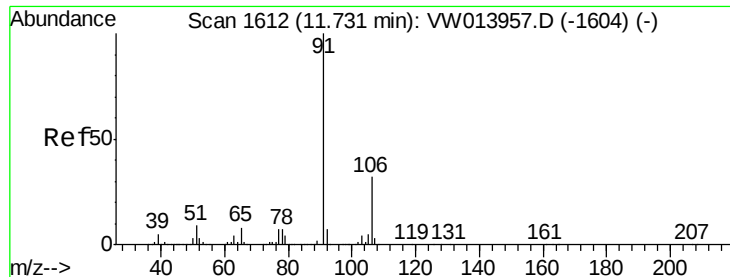
Tgt Ion:107 Resp: 102533
 Ion Ratio Lower Upper
 107 100
 109 92.4 64.6 120.0
 188 4.3 3.9 5.9



#52
 Chlorobenzene
 Concen: 25.393 ug/L
 RT: 11.65 min Scan# 1599
 Delta R.T. -0.01 min
 Lab File: VW013960.D
 Acq: 11 Nov 2019 13:24

Tgt Ion:112 Resp: 403158
 Ion Ratio Lower Upper
 112 100
 77 57.4 42.2 63.4
 114 31.9 22.5 41.9





#53

Ethylbenzene

Concen: 25.516 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW013960.D

Acq: 11 Nov 2019 13:24

Instrument :

MSVOA_W

ClientSampleId :

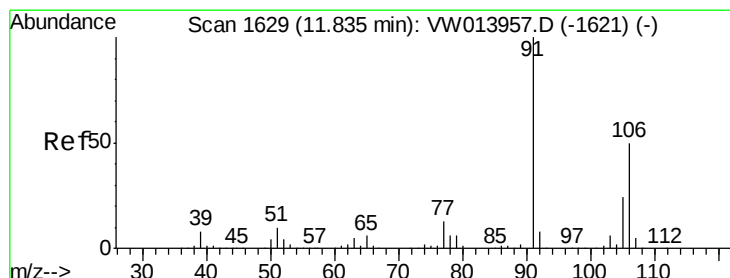
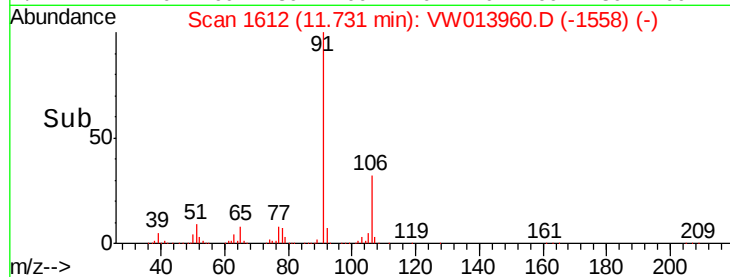
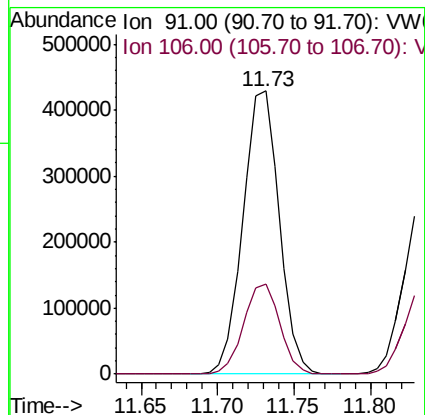
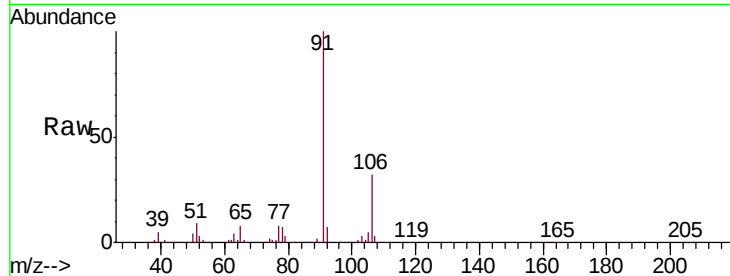
VICV05

Tgt Ion: 91 Resp: 709085

Ion Ratio Lower Upper

91 100

106 32.0 22.3 41.5



#54

m,p-Xylene

Concen: 25.204 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VW013960.D

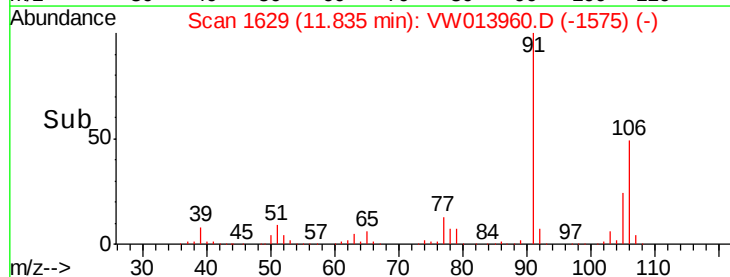
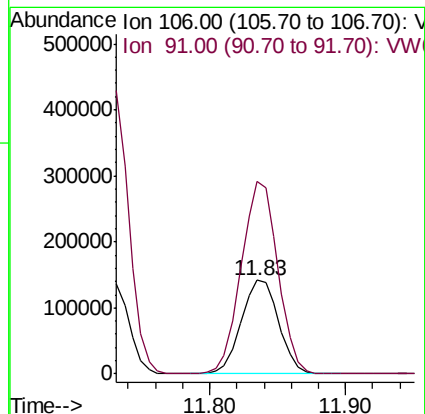
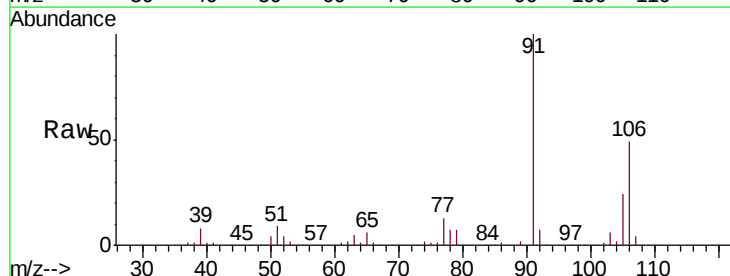
Acq: 11 Nov 2019 13:24

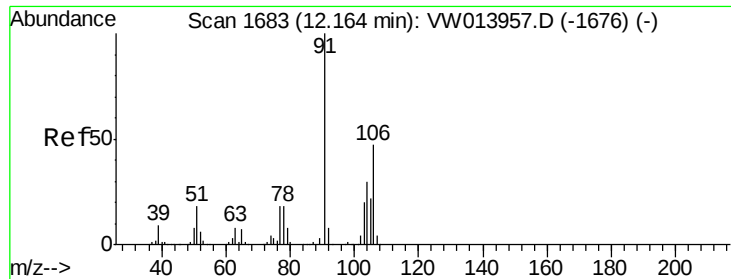
Tgt Ion: 106 Resp: 272199

Ion Ratio Lower Upper

106 100

91 205.8 138.7 257.5

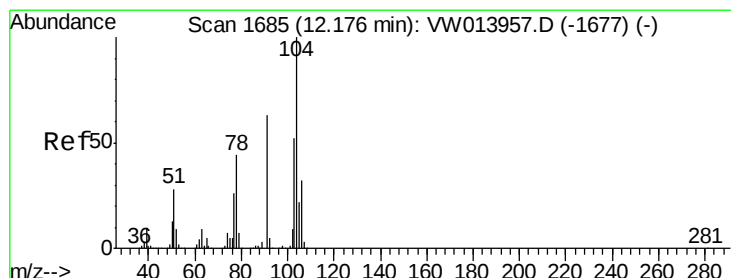
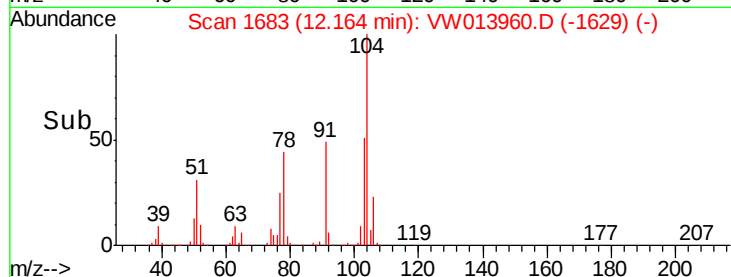
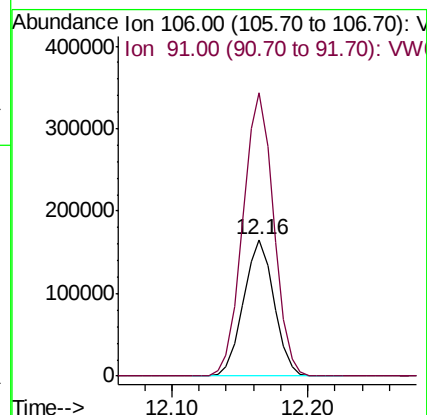
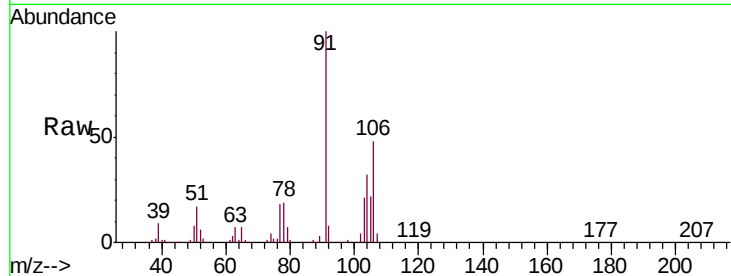




#55
o-xylene
Concen: 25.654 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013960.D
Acq: 11 Nov 2019 13:24

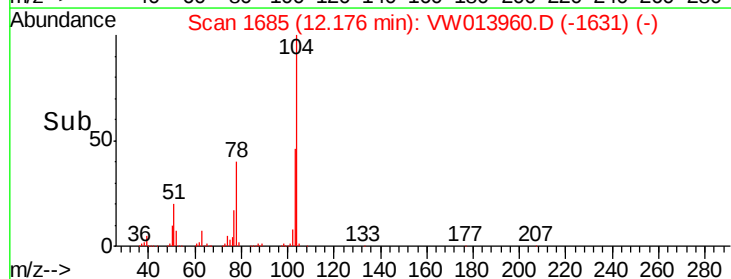
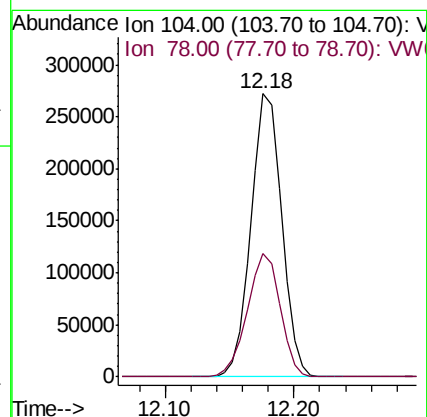
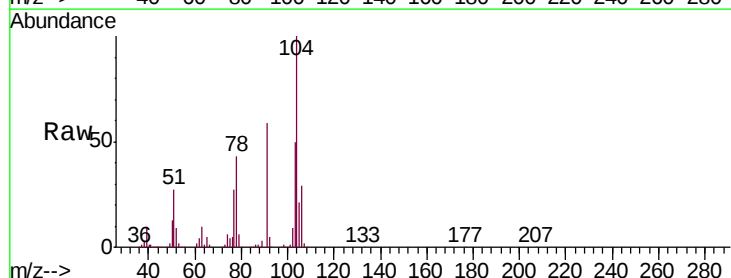
Instrument :
MSVOA_W
ClientSampleId :
VICV05

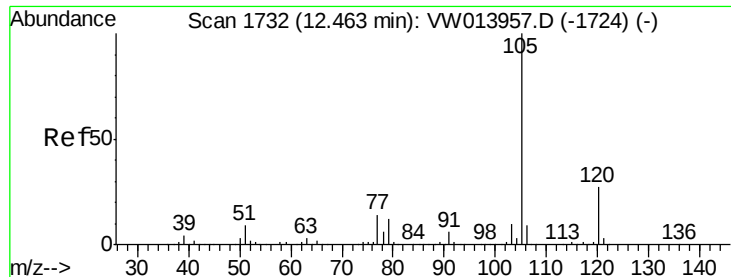
Tgt Ion:106 Resp: 259449
Ion Ratio Lower Upper
106 100
91 207.6 148.3 275.5



#56
Styrene
Concen: 26.192 ug/L
RT: 12.18 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VW013960.D
Acq: 11 Nov 2019 13:24

Tgt Ion:104 Resp: 447473
Ion Ratio Lower Upper
104 100
78 43.4 30.6 56.8





#57

Isopropylbenzene

Concen: 25.611 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013960.D

Acq: 11 Nov 2019 13:24

Instrument :

MSVOA_W

ClientSampleId :

VICV05

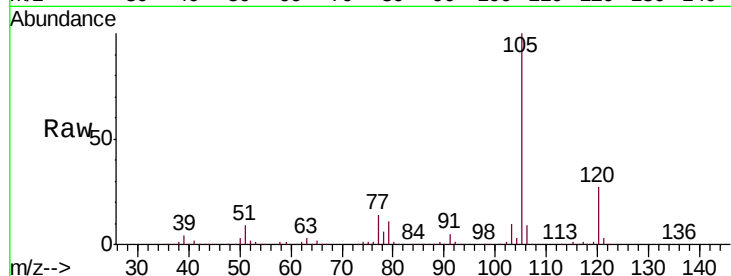
Tgt Ion: 105 Resp: 712150

Ion Ratio Lower Upper

105 100

120 26.8 21.6 32.4

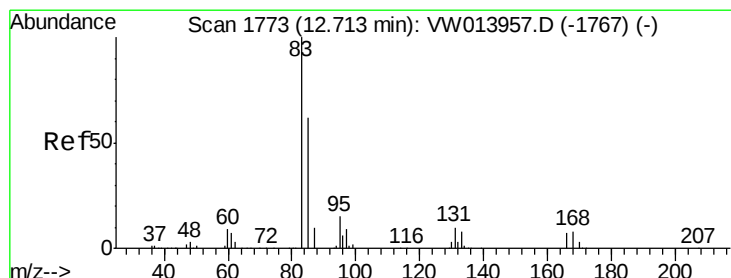
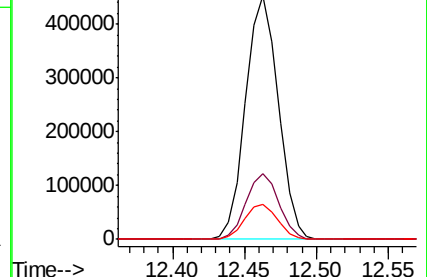
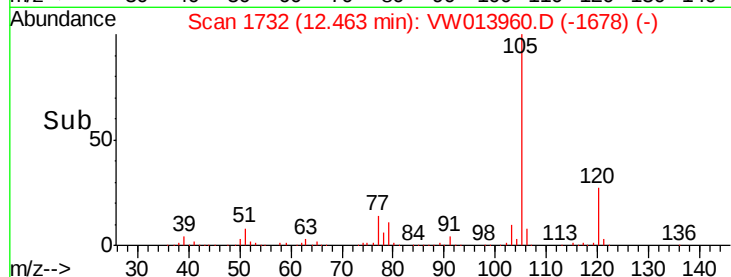
77 14.5 11.6 17.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 26.177 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013960.D

Acq: 11 Nov 2019 13:24

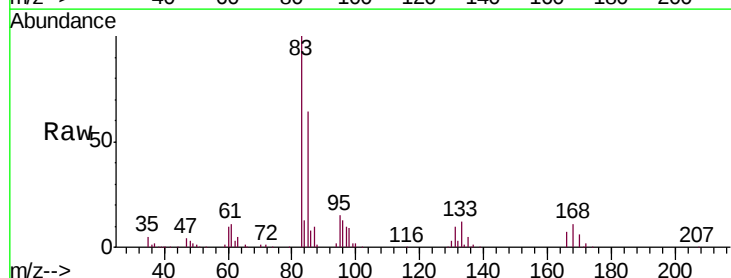
Tgt Ion: 83 Resp: 125564

Ion Ratio Lower Upper

83 100

85 63.9 43.7 81.1

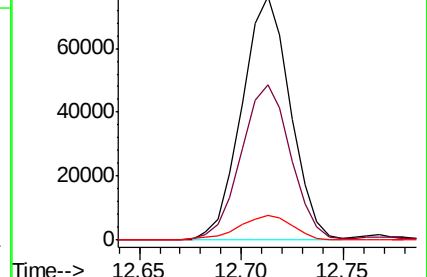
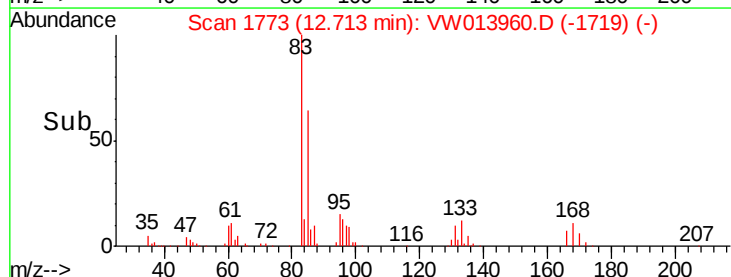
131 10.3 8.2 12.2

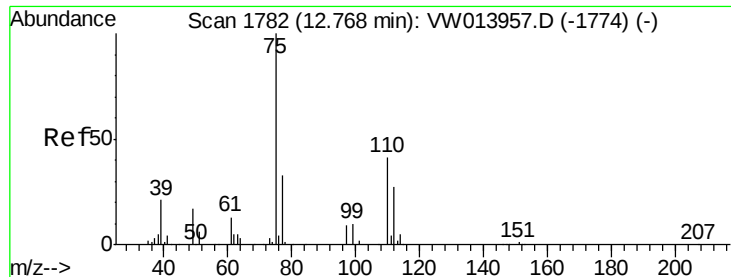


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 25.274 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW013960.D

Acq: 11 Nov 2019 13:24

Instrument :

MSVOA_W

ClientSampled :

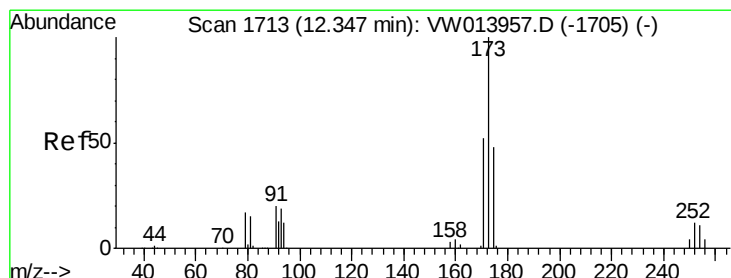
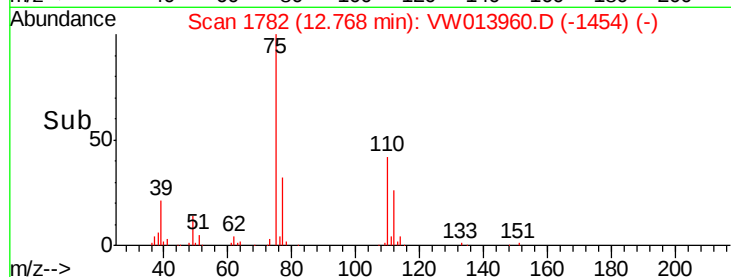
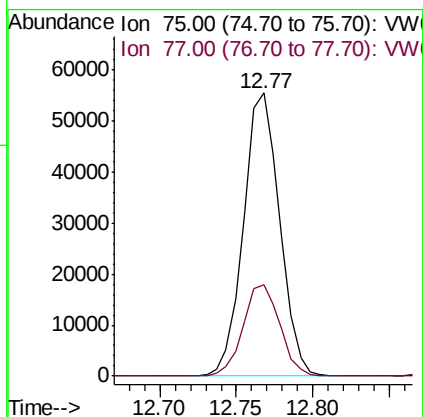
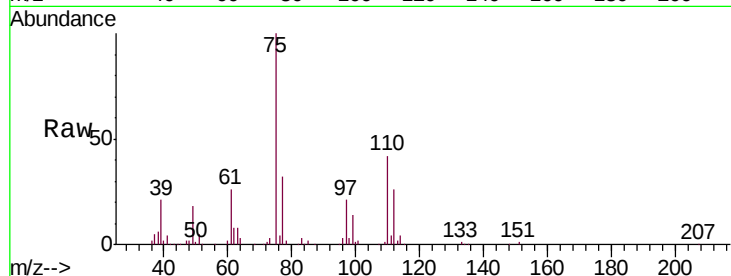
VICV05

Tgt Ion: 75 Resp: 91176

Ion Ratio Lower Upper

75 100

77 33.0 25.9 38.9



#62

Bromoform

Concen: 25.928 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW013960.D

Acq: 11 Nov 2019 13:24

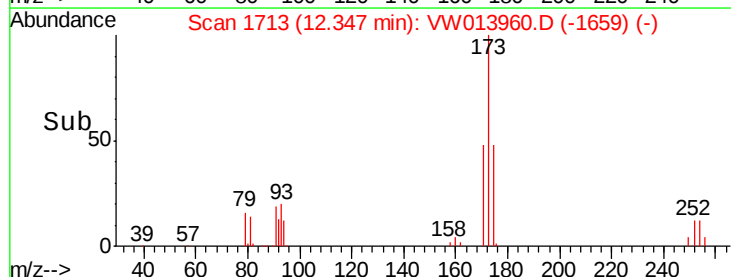
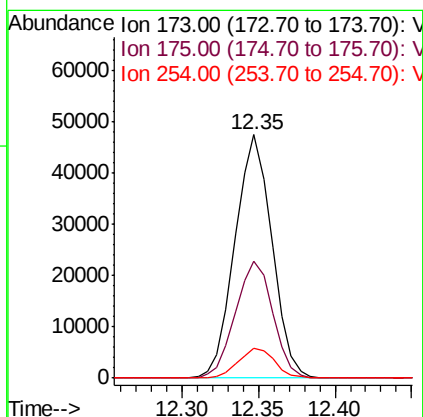
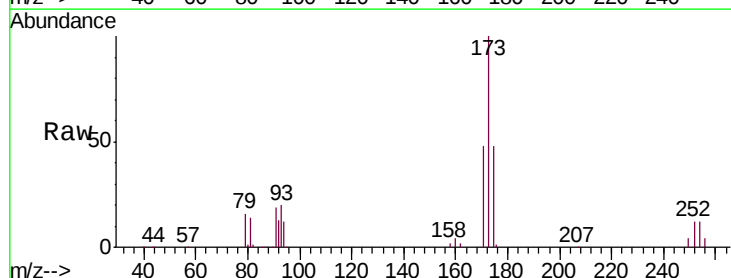
Tgt Ion: 173 Resp: 79637

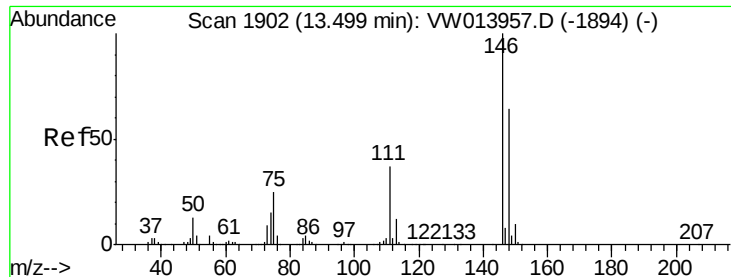
Ion Ratio Lower Upper

173 100

175 48.6 38.8 58.2

254 12.1 9.4 14.0

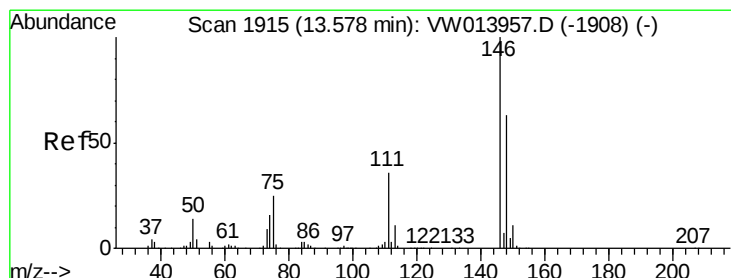
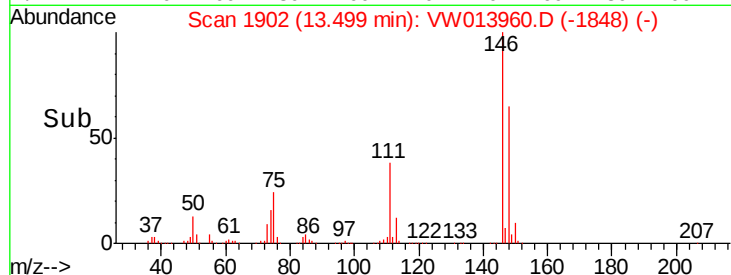
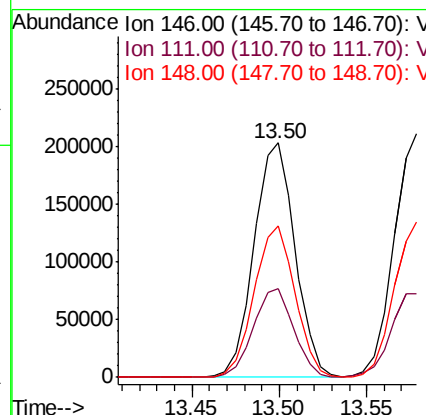
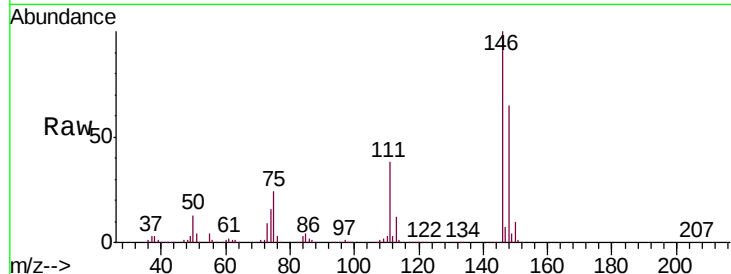




#63
 1,3-Dichlorobenzene
 Concen: 25.266 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013960.D
 Acq: 11 Nov 2019 13:24

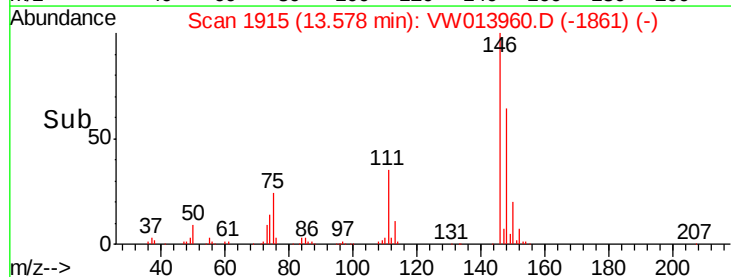
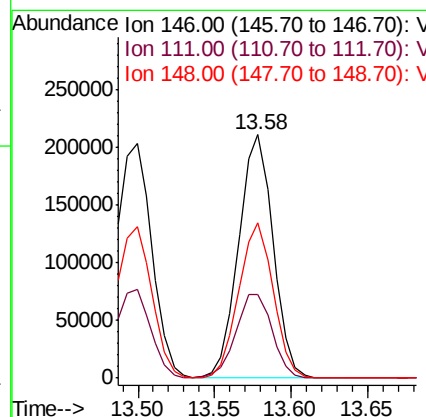
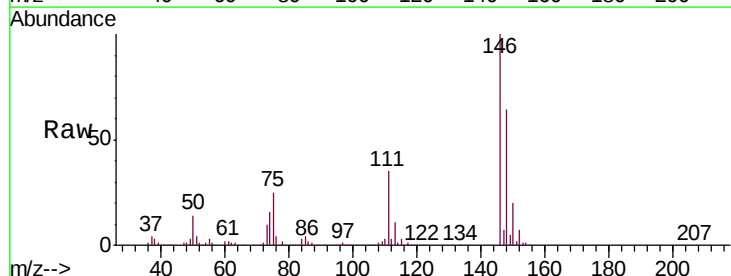
Instrument :
 MSVOA_W
 ClientSampleId :
 VICV05

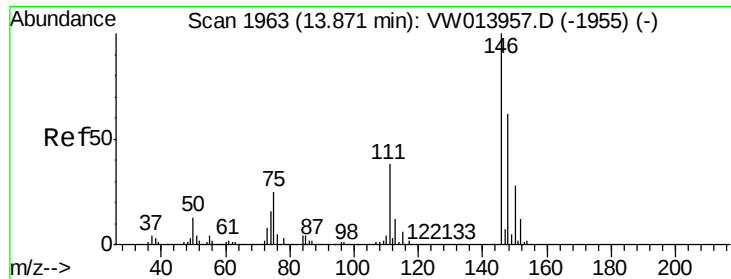
Tgt Ion:146 Resp: 332494
 Ion Ratio Lower Upper
 146 100
 111 37.9 26.0 48.2
 148 64.7 44.7 82.9



#64
 1,4-Dichlorobenzene
 Concen: 25.408 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW013960.D
 Acq: 11 Nov 2019 13:24

Tgt Ion:146 Resp: 330363
 Ion Ratio Lower Upper
 146 100
 111 34.6 24.9 46.3
 148 63.8 43.9 81.5





#65

1,2-Dichlorobenzene

Concen: 25.650 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW013960.D

Acq: 11 Nov 2019 13:24

Instrument :

MSVOA_W

ClientSampleId :

VICV05

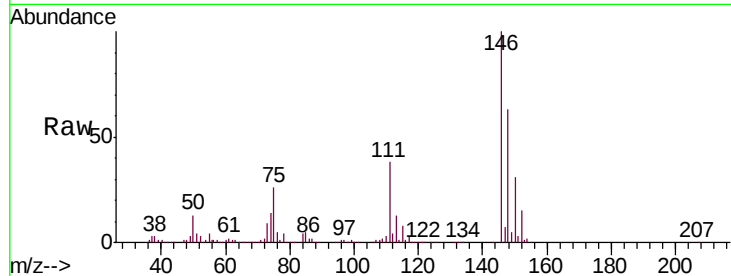
Tgt Ion:146 Resp: 298905

Ion Ratio Lower Upper

146 100

111 38.3 30.5 45.7

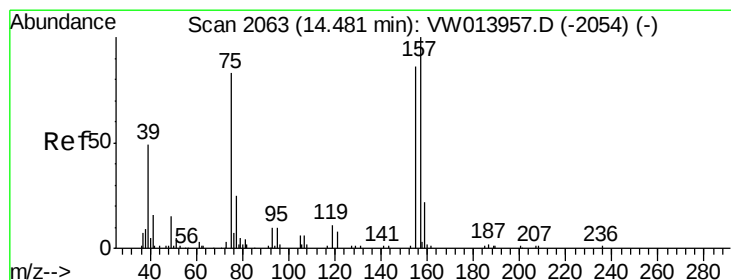
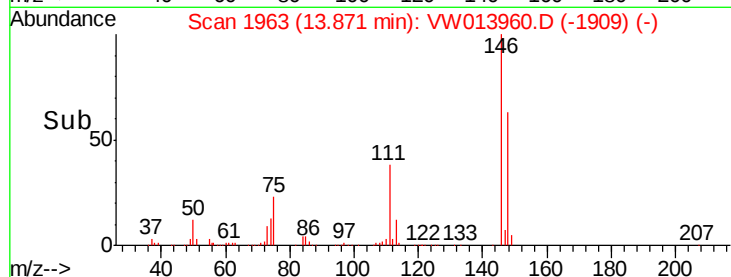
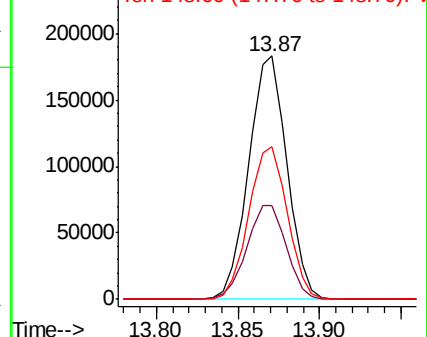
148 62.7 49.4 74.2



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: 24.883 ug/L

RT: 14.48 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VW013960.D

Acq: 11 Nov 2019 13:24

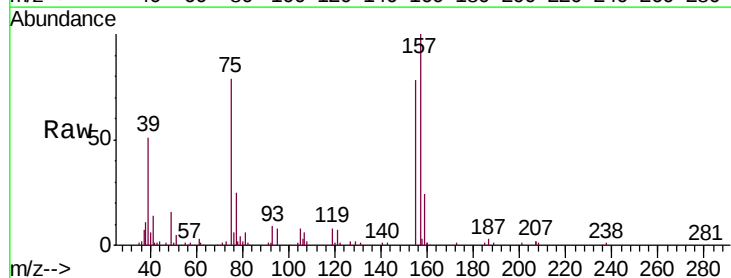
Tgt Ion: 75 Resp: 19748

Ion Ratio Lower Upper

75 100

157 126.5 96.9 145.3

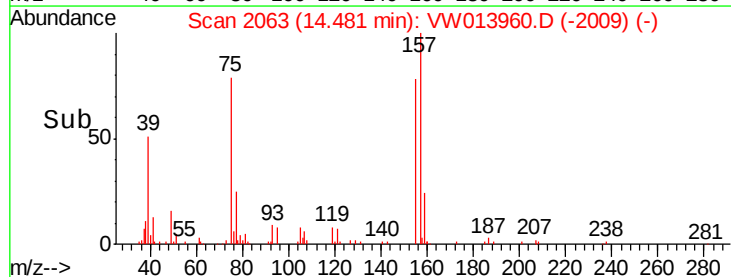
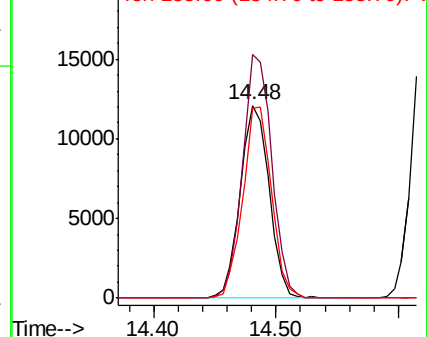
155 98.6 82.9 124.3

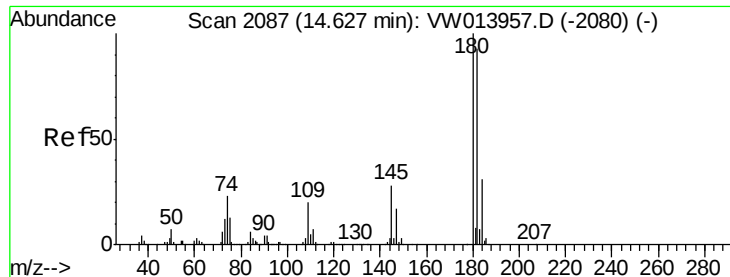


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V





#67

1,3,5-Trichlorobenzene

Concen: 26.209 ug/L

RT: 14.63 min Scan# 2087

Delta R.T. 0.00 min

Lab File: VW013960.D

Acq: 11 Nov 2019 13:24

Instrument :

MSVOA_W

ClientSampleId :

VICV05

Tgt Ion:180 Resp: 262856

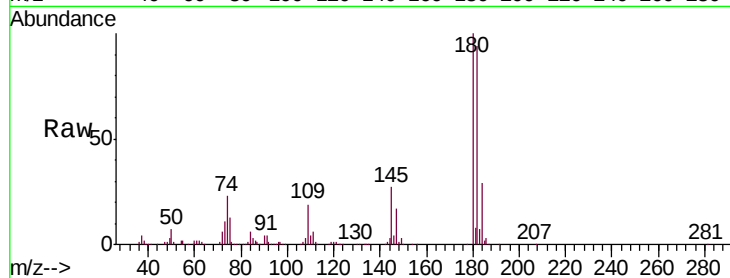
Ion Ratio Lower Upper

180 100

182 95.6 76.2 114.2

184 30.1 24.3 36.5

145 27.3 21.9 32.9

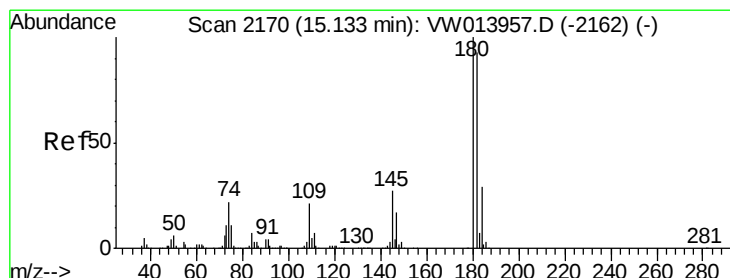
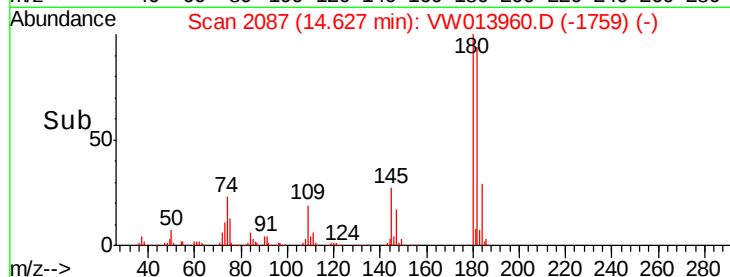
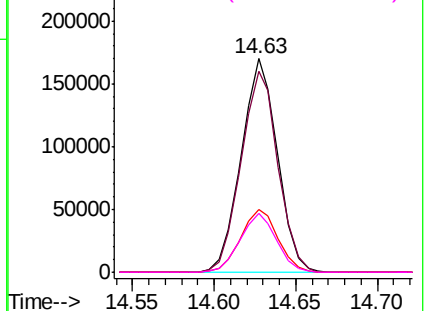


Abundance Ion 180.00 (179.70 to 180.70): V

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: 27.234 ug/L

RT: 15.13 min Scan# 2170

Delta R.T. 0.00 min

Lab File: VW013960.D

Acq: 11 Nov 2019 13:24

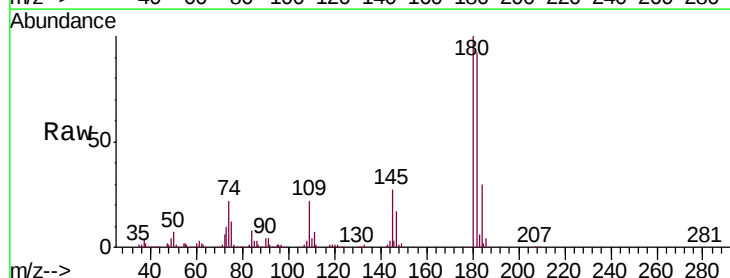
Tgt Ion:180 Resp: 214764

Ion Ratio Lower Upper

180 100

182 94.5 75.8 113.8

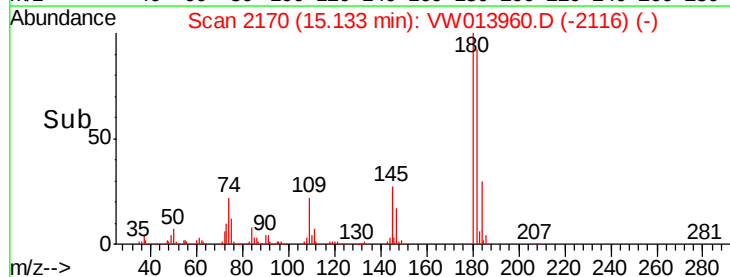
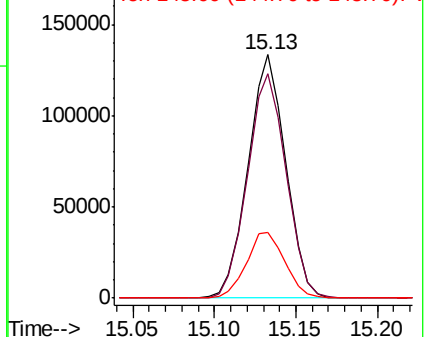
145 27.7 22.4 33.6

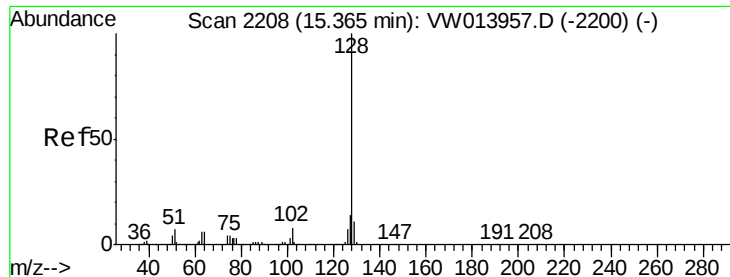


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 27.494 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW013960.D

Acq: 11 Nov 2019 13:24

Instrument :

MSVOA_W

ClientSampled :

VICV05

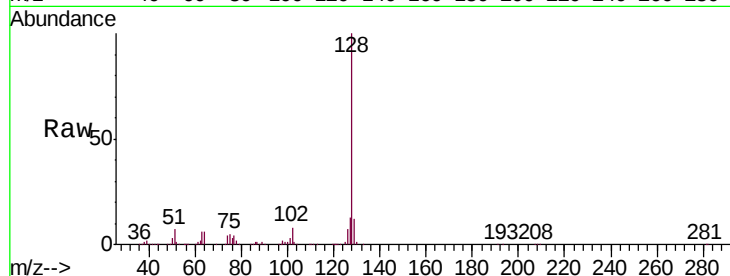
Tgt Ion:128 Resp: 385190

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

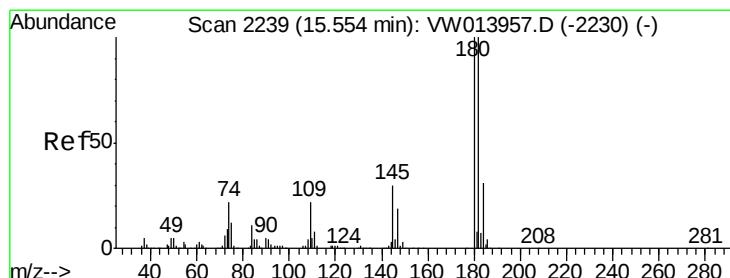
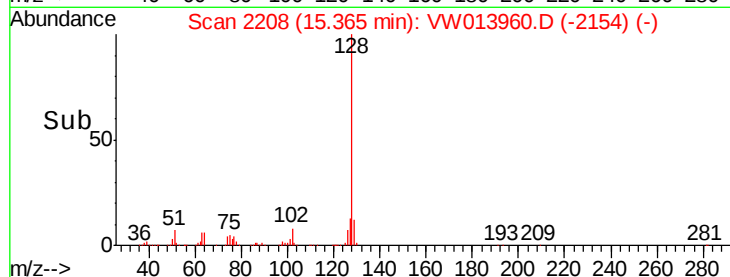
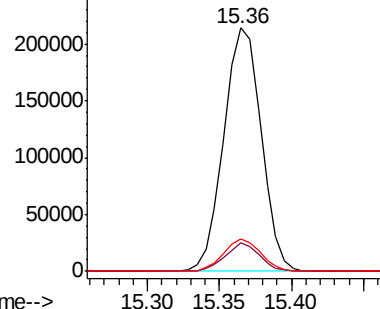
127 13.3 10.4 15.6



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: 27.465 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW013960.D

Acq: 11 Nov 2019 13:24

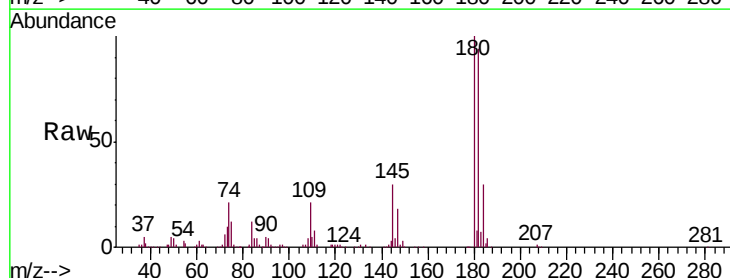
Tgt Ion:180 Resp: 191144

Ion Ratio Lower Upper

180 100

182 94.5 75.8 113.6

145 29.7 24.0 36.0



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

