

Data File : VW014215.D
Acq On : 05 Dec 2019 15:26
Operator : SY/VA
Sample : VSTDICV025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VICV06

Quant Time: Dec 06 06:46:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120519S.M
Quant Title : VOC Analysis
QLast Update : Thu Dec 05 14:55:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1315014	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	1200993	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	578686	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	505437	25.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.52%
7) Chloroethane-d5	2.89	69	397226	26.83	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	107.32%
10) 1,1-Dichloroethene-d2	4.02	63	918299	26.11	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	104.44%
20) 2-Butanone-d5	7.07	46	344724	66.43	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	132.86%
24) Chloroform-d	7.64	84	946985	28.28	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	113.12%
26) 1,2-Dichloroethane-d4	8.31	65	508574	28.97	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	115.88%
29) Benzene-d6	8.27	84	2005054	28.49	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	113.96%
33) 1,2-Dichloropropane-d6	9.27	67	626703	28.94	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	115.76%
37) Toluene-d8	10.32	98	1844405	28.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	115.92%
38) trans-1,3-Dichloropropene-	10.57	79	271618	29.90	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	119.60%
39) 2-Hexanone-d5	10.92	63	287904	66.86	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	133.72%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	536588	30.41	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	121.64%#
61) 1,2-Dichlorobenzene-d4	13.85	152	632965	28.62	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	114.48%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	291222	23.284	ug/L 100
3) Chloromethane	2.21	50	285044	22.670	ug/L 96
5) Vinyl chloride	2.36	62	451832	24.270	ug/L 96
6) Bromomethane	2.78	94	286319	24.934	ug/L 100
8) Chloroethane	2.92	64	268970	25.289	ug/L 98
9) Trichlorofluoromethane	3.25	101	222098	24.098	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	424677	24.484	ug/L 95
12) 1,1-Dichloroethene	4.04	96	436196	24.840	ug/L 96
13) Acetone	4.12	43	212053	42.385	ug/L 99
14) Carbon disulfide	4.39	76	1325934	24.619	ug/L 100
15) Methyl Acetate	4.67	43	270493	28.583	ug/L 98
16) Methylene chloride	4.92	84	485052	24.061	ug/L 98
17) Methyl tert-butyl Ether	5.42	73	622356	26.875	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	471837	25.090	ug/L 93
19) 1,1-Dichloroethane	6.21	63	852533	25.232	ug/L 99
21) 2-Butanone	7.17	43	349411	52.019	ug/L 98
22) cis-1,2-Dichloroethene	7.17	96	517274	25.850	ug/L 98

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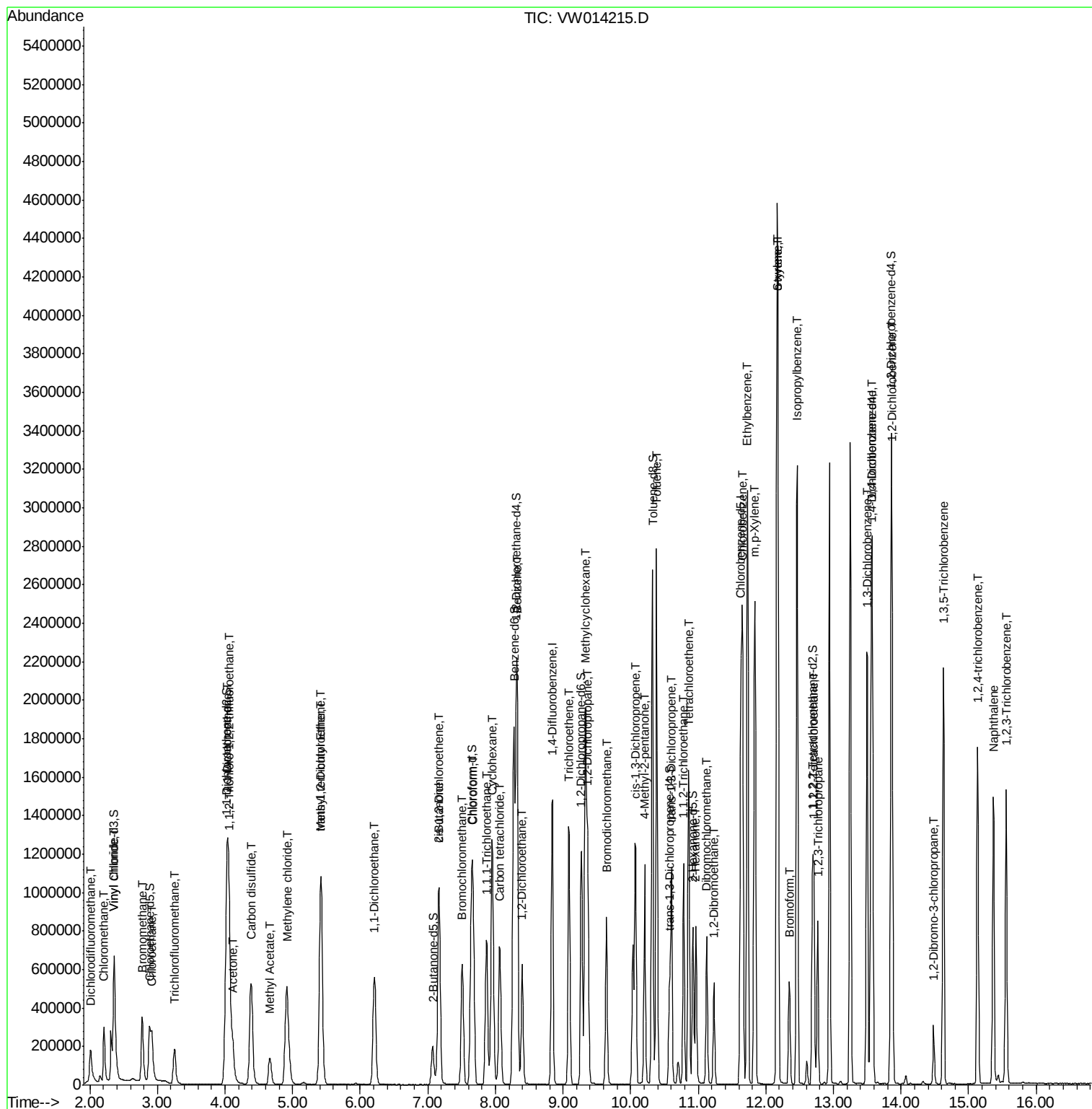
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	234433	25.469	ug/L	84
25) Chloroform	7.67	83	823148	25.071	ug/L	100
27) 1,2-Dichloroethane	8.40	62	555899	25.856	ug/L	97
30) Cyclohexane	7.95	56	786011	26.220	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	617051	25.583	ug/L	98
32) Carbon tetrachloride	8.07	117	573759	25.071	ug/L	100
34) Benzene	8.32	78	1940739	25.521	ug/L	100
35) Trichloroethene	9.09	95	485540	24.955	ug/L	96
36) Methylcyclohexane	9.34	83	834053	25.510	ug/L	98
40) 1,2-Dichloropropane	9.37	63	502183	25.705	ug/L	99
41) Bromodichloromethane	9.64	83	609657	25.679	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	776827	26.552	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	748445	58.098	ug/L	99
44) Toluene	10.38	91	2061493	25.858	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	627089	26.479	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	381019	26.027	ug/L	98
47) Tetrachloroethene	10.86	164	399701	24.647	ug/L	96
49) 2-Hexanone	10.96	43	520672	56.770	ug/L	97
50) Dibromochloromethane	11.13	129	430655	26.211	ug/L	98
51) 1,2-Dibromoethane	11.23	107	367863	26.529	ug/L	98
52) Chlorobenzene	11.65	112	1285961	24.958	ug/L	94
53) Ethylbenzene	11.73	91	2242434	25.922	ug/L	99
54) m,p-Xylene	11.84	106	864819	25.989	ug/L	98
55) o-xylene	12.16	106	834605	26.442	ug/L	93
56) Styrene	12.18	104	1424881	26.388	ug/L	98
57) Isopropylbenzene	12.46	105	2123134	25.910	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	491980	27.076	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	360893	26.730	ug/L	100
62) Bromoform	12.35	173	261241	26.599	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	997514	25.646	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	994793	25.173	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	917345	25.362	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.48	75	78933	28.289	ug/L	87
67) 1,3,5-Trichlorobenzene	14.63	180	705478	25.210	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	594349	27.244	ug/L	98
69) Naphthalene	15.36	128	1276424	31.113	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	567274	27.729	ug/L	100

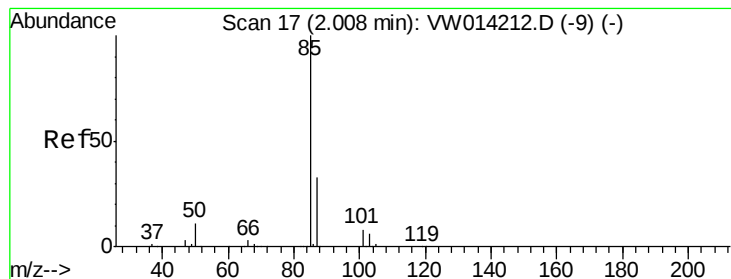
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 23.284 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW014215.D

Acq: 05 Dec 2019 15:26

Instrument :

MSVOA_W

ClientSampled :

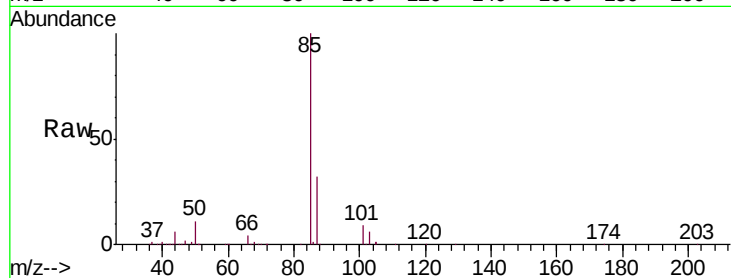
VICV06

Tgt Ion: 85 Resp: 291222

Ion Ratio Lower Upper

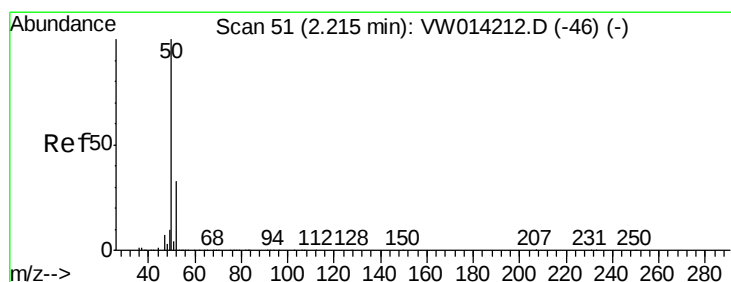
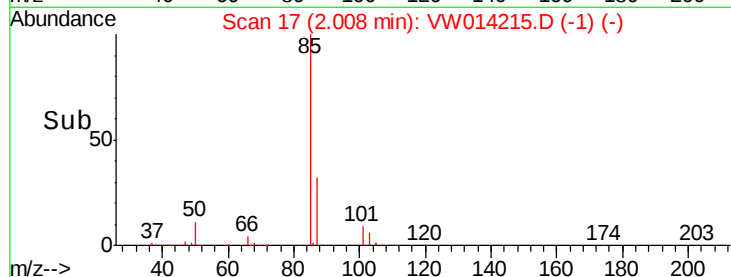
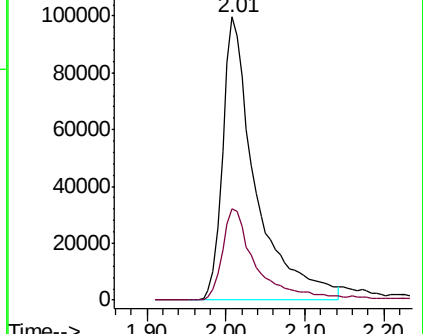
85 100

87 31.7 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: 22.670 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW014215.D

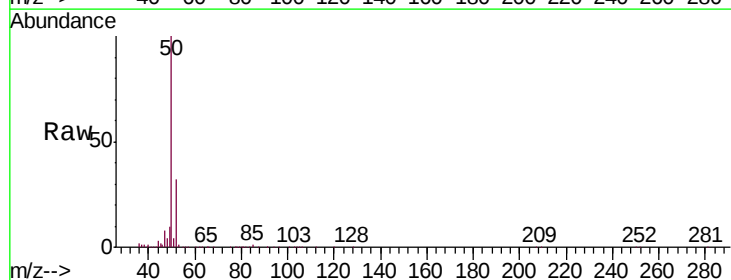
Acq: 05 Dec 2019 15:26

Tgt Ion: 50 Resp: 285044

Ion Ratio Lower Upper

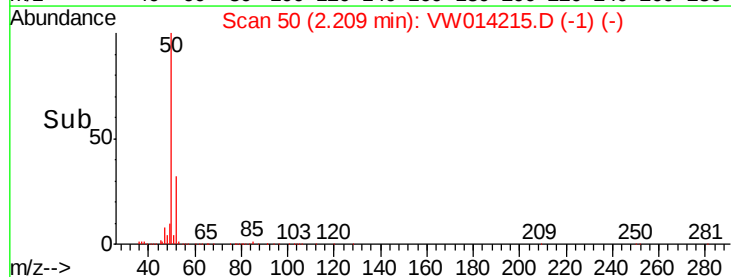
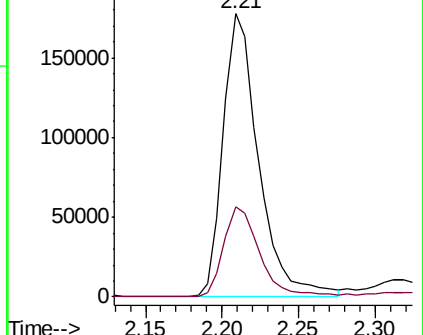
50 100

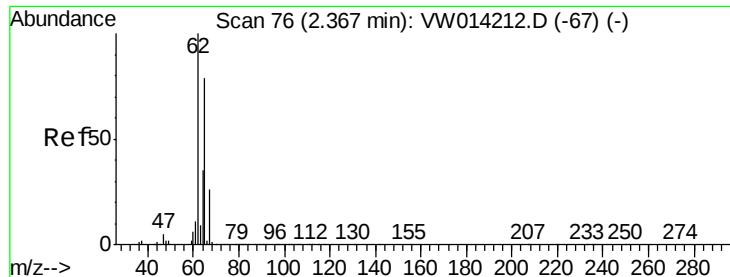
52 31.8 23.8 44.2



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 24.270 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW014215.D

Acq: 05 Dec 2019 15:26

Instrument :

MSVOA_W

ClientSampleId :

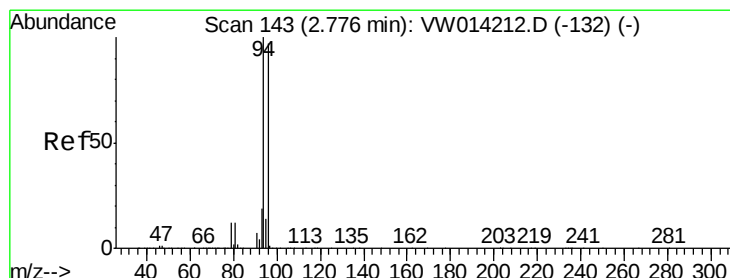
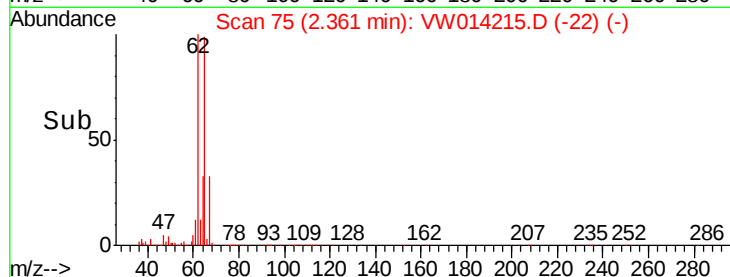
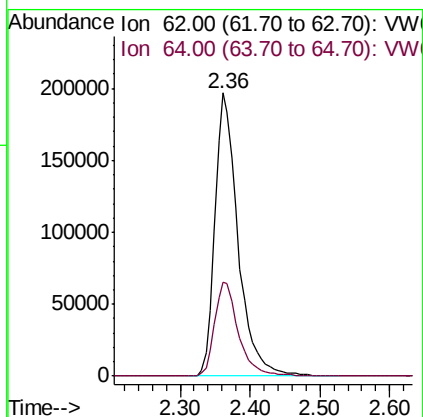
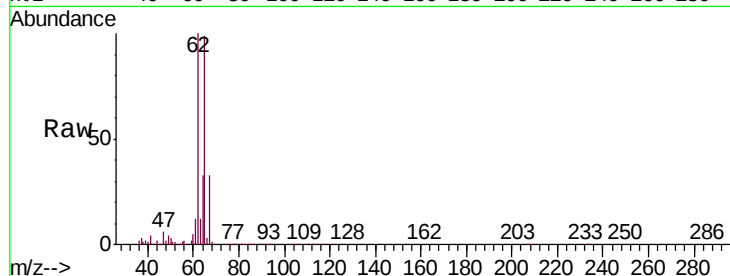
VICV06

Tgt Ion: 62 Resp: 451832

Ion Ratio Lower Upper

62 100

64 33.3 21.8 40.4



#6

Bromomethane

Concen: 24.934 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW014215.D

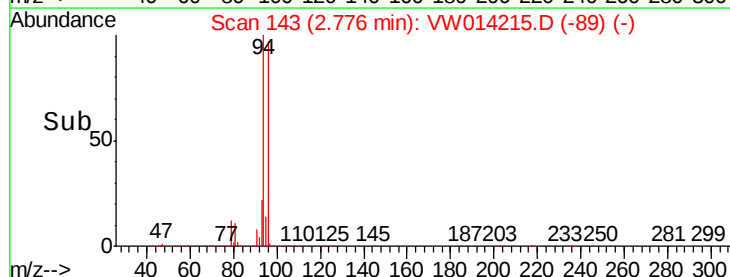
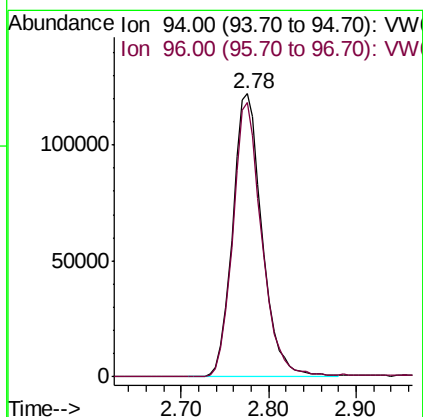
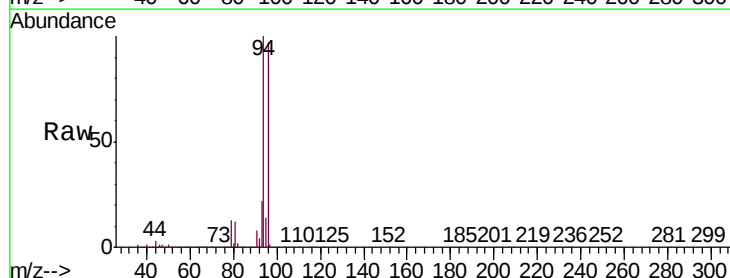
Acq: 05 Dec 2019 15:26

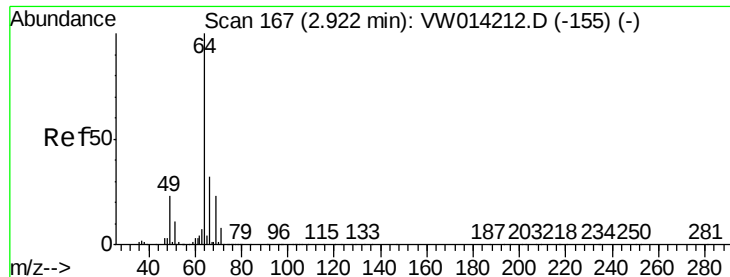
Tgt Ion: 94 Resp: 286319

Ion Ratio Lower Upper

94 100

96 94.5 9.4 178.8





#8

Chloroethane

Concen: 25.289 ug/L

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW014215.D

Acq: 05 Dec 2019 15:26

Instrument :

MSVOA_W

ClientSampleId :

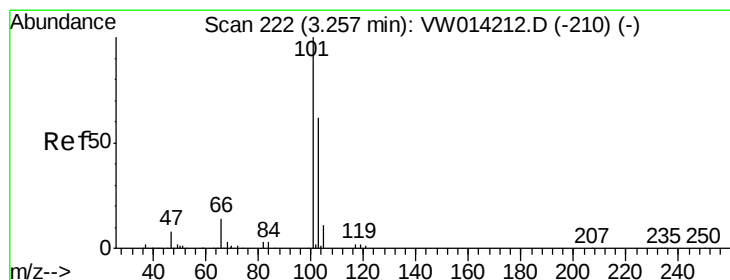
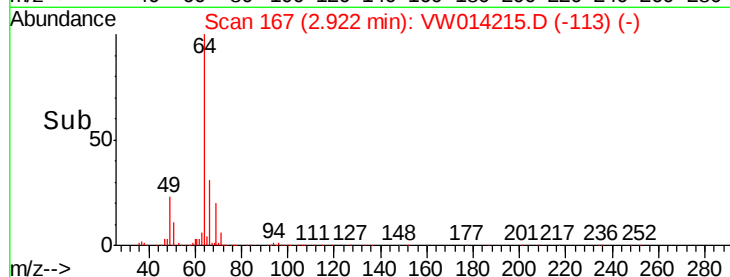
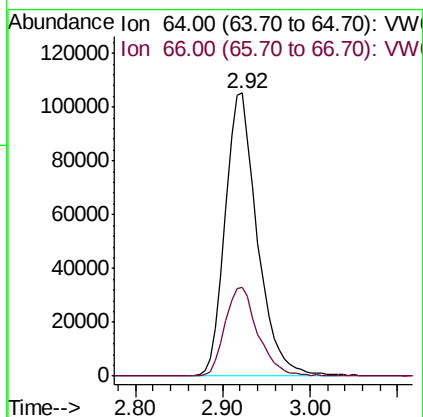
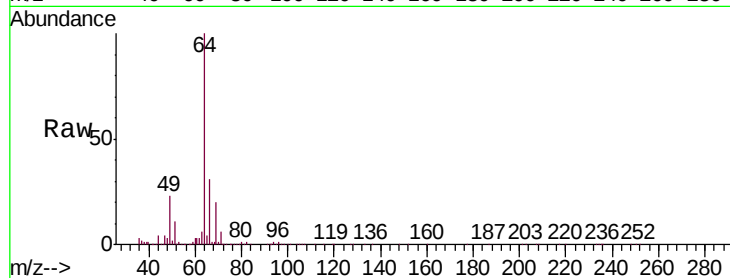
VICV06

Tgt Ion: 64 Resp: 268970

Ion Ratio Lower Upper

64 100

66 31.2 21.2 39.4



#9

Trichlorofluoromethane

Concen: 24.098 ug/L

RT: 3.25 min Scan# 221

Delta R.T. -0.01 min

Lab File: VW014215.D

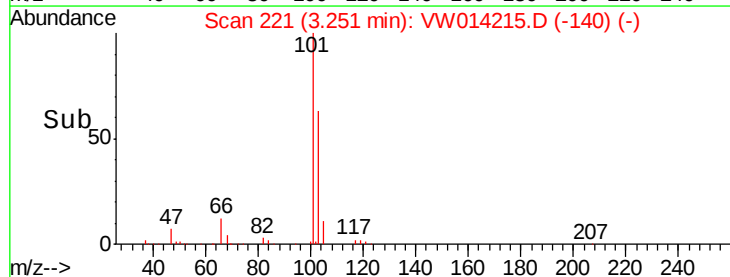
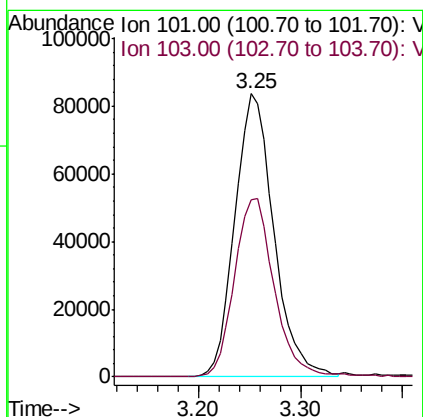
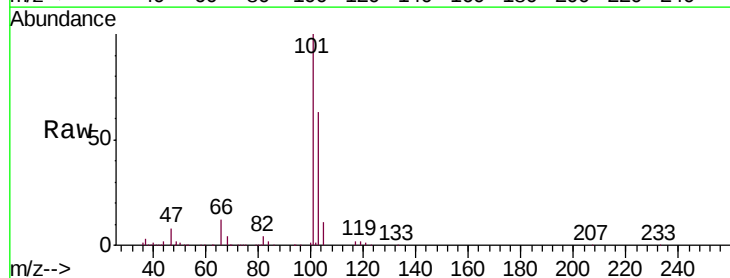
Acq: 05 Dec 2019 15:26

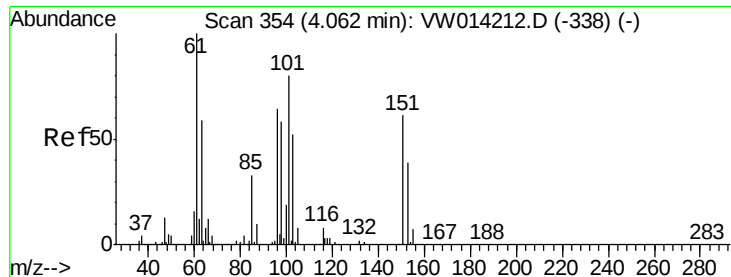
Tgt Ion: 101 Resp: 222098

Ion Ratio Lower Upper

101 100

103 64.1 45.4 84.2





#11

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

Concen: 24.484 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW014215.D

Acq: 05 Dec 2019 15:26

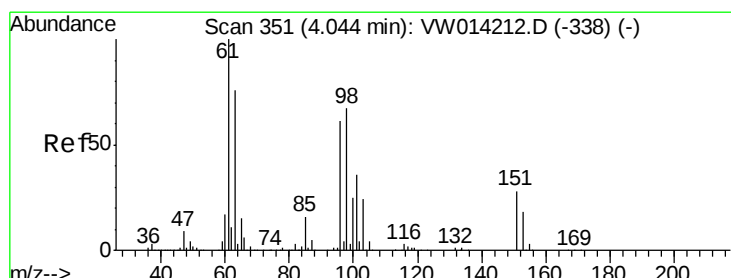
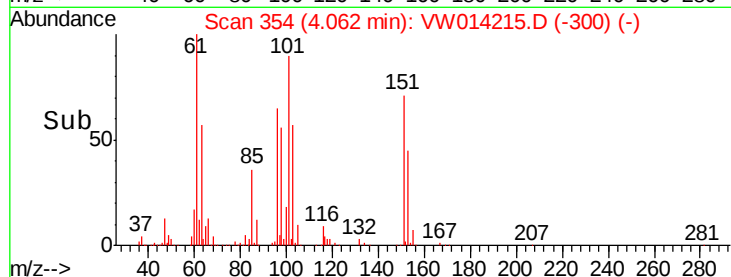
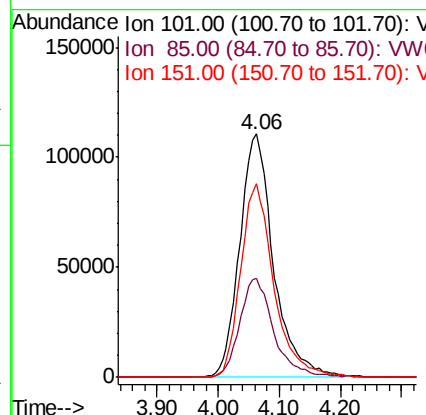
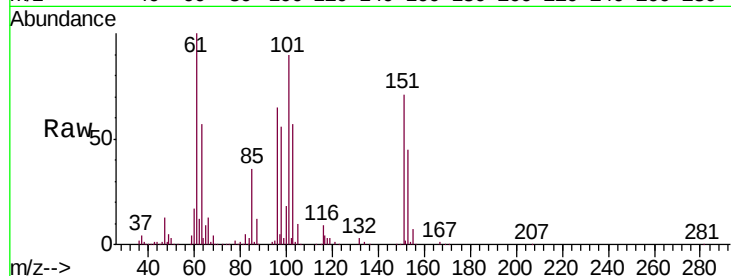
Instrument :

MSVOA_W

ClientSampled :

VICV06

Tgt Ion:	101	Resp:	424677
Ion	Ratio	Lower	Upper
101	100		
85	40.1	31.4	47.2
151	78.0	66.9	100.3



#12

1,1-Dichloroethene

Concen: 24.840 ug/L

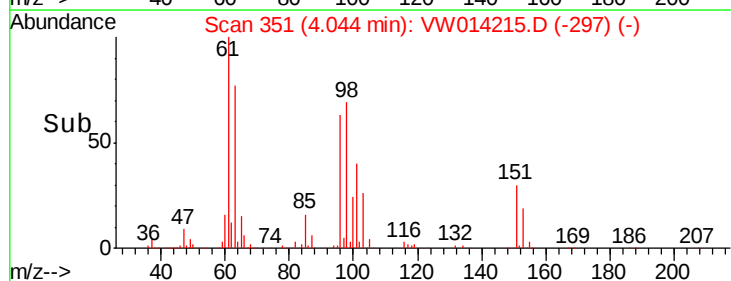
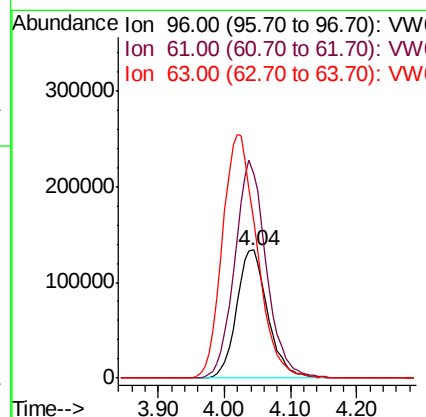
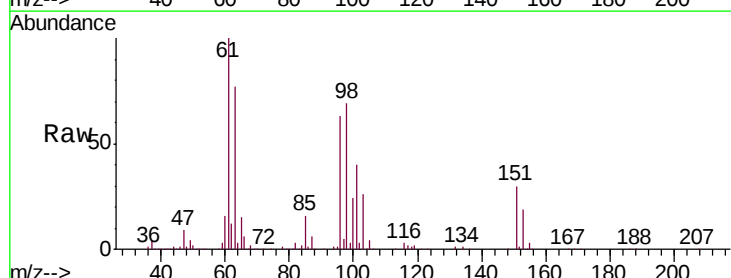
RT: 4.04 min Scan# 351

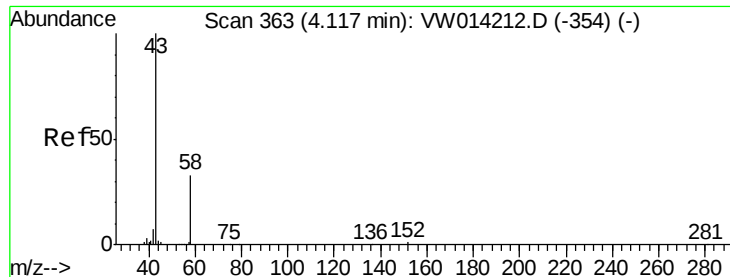
Delta R.T. 0.00 min

Lab File: VW014215.D

Acq: 05 Dec 2019 15:26

Tgt Ion:	96	Resp:	436196
Ion	Ratio	Lower	Upper
96	100		
61	158.9	109.8	204.0
63	122.0	80.7	149.9





#13

Acetone

Concen: 42.385 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

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ClientSampleId :

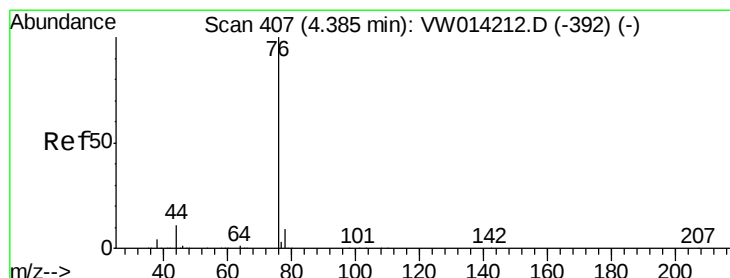
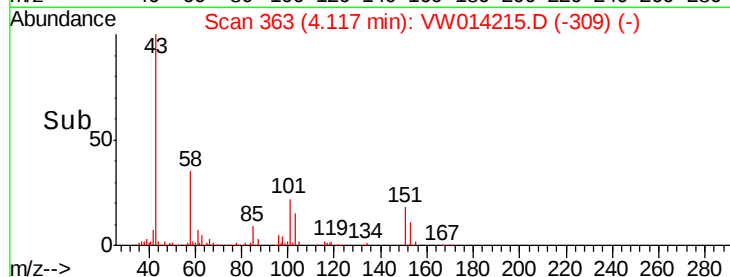
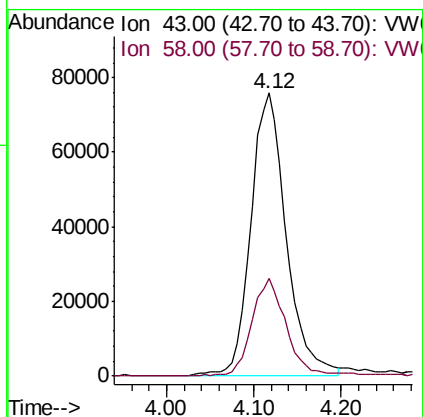
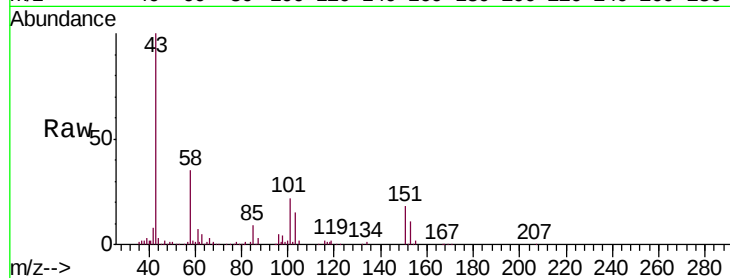
VICV06

Tgt Ion: 43 Resp: 212053

Ion Ratio Lower Upper

43 100

58 32.3 0.0 65.4



#14

Carbon disulfide

Concen: 24.619 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW014215.D

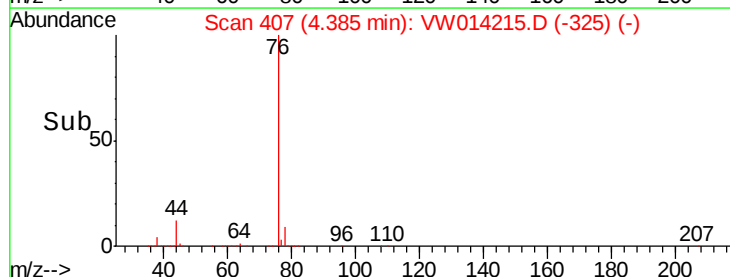
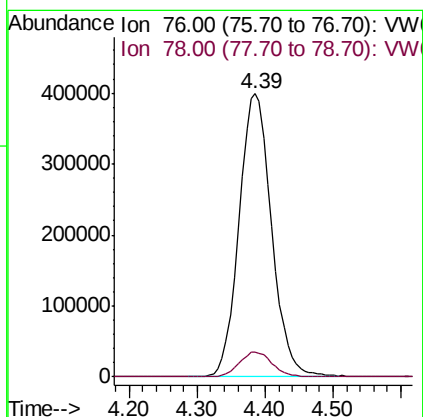
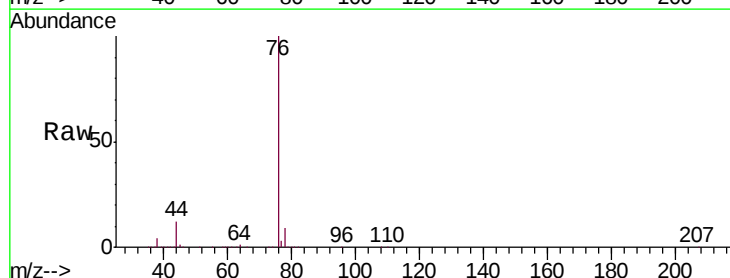
Acq: 05 Dec 2019 15:26

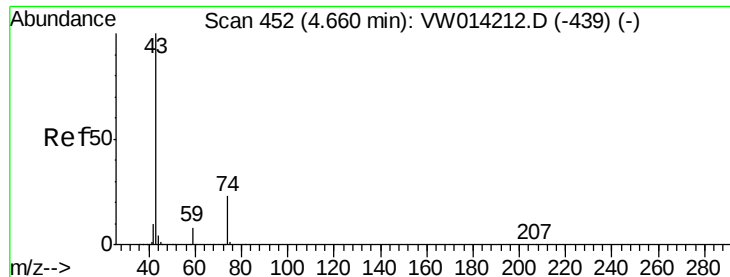
Tgt Ion: 76 Resp: 1325934

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8

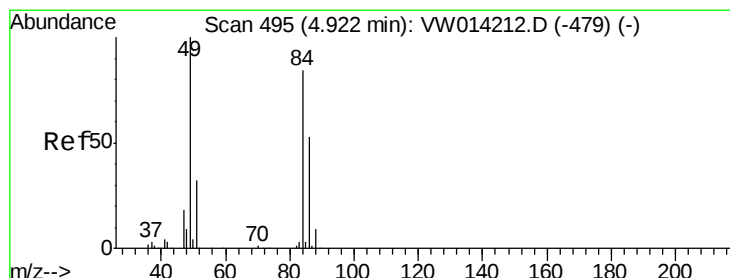
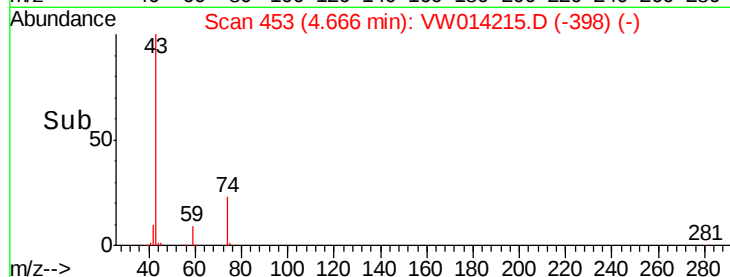
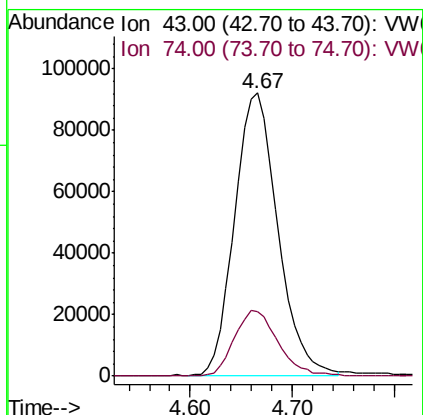
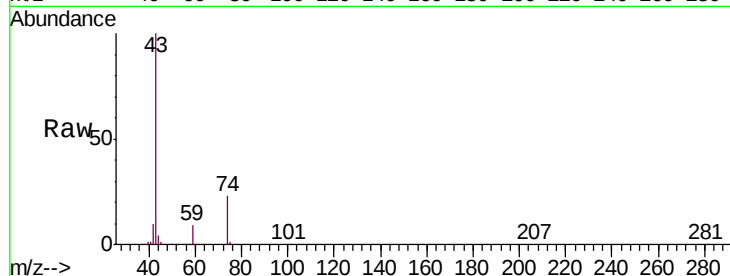




#15
Methyl Acetate
Concen: 28.583 ug/L
RT: 4.67 min Scan# 453
Delta R.T. 0.01 min
Lab File: VW014215.D
Acq: 05 Dec 2019 15:26

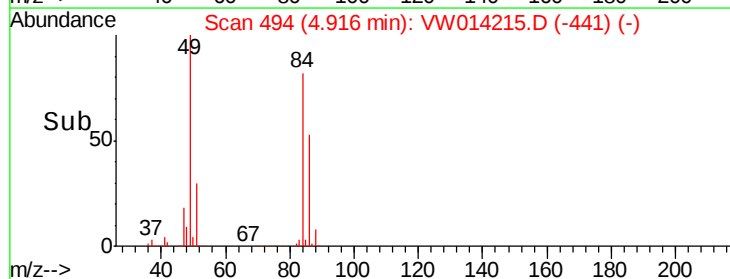
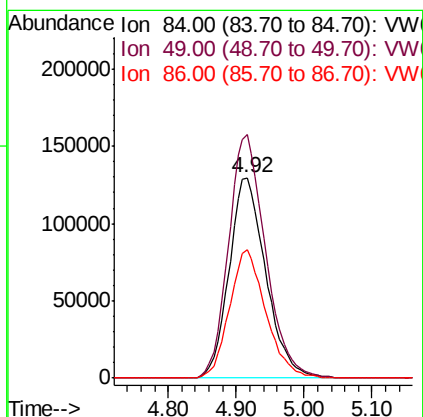
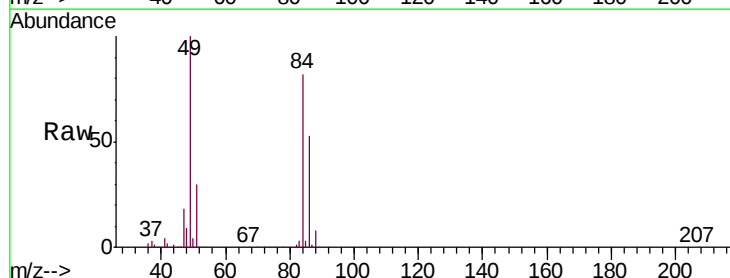
Instrument :
MSVOA_W
ClientSampleId :
VICV06

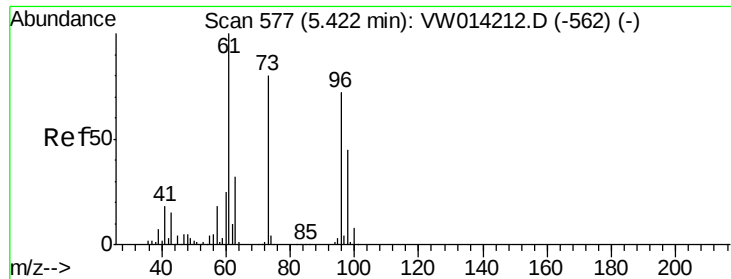
Tgt Ion: 43 Resp: 270493
Ion Ratio Lower Upper
43 100
74 23.2 19.3 28.9



#16
Methylene chloride
Concen: 24.061 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW014215.D
Acq: 05 Dec 2019 15:26

Tgt Ion: 84 Resp: 485052
Ion Ratio Lower Upper
84 100
49 121.6 84.2 156.4
86 64.1 43.7 81.1

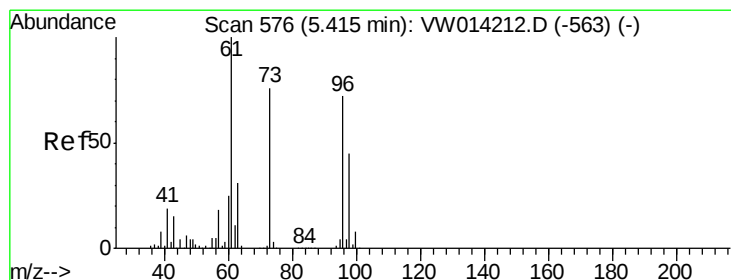
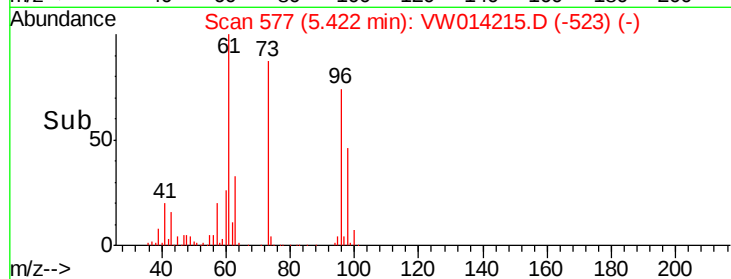
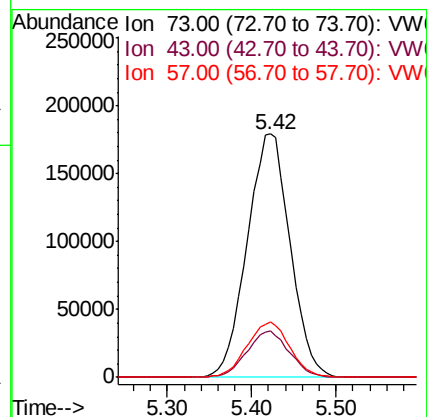
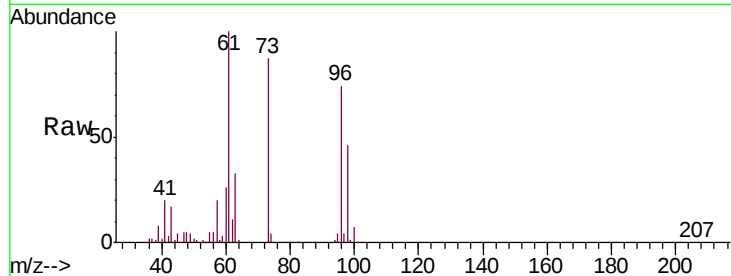




#17
Methyl tert-butyl Ether
Concen: 26.875 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW014215.D
Acq: 05 Dec 2019 15:26

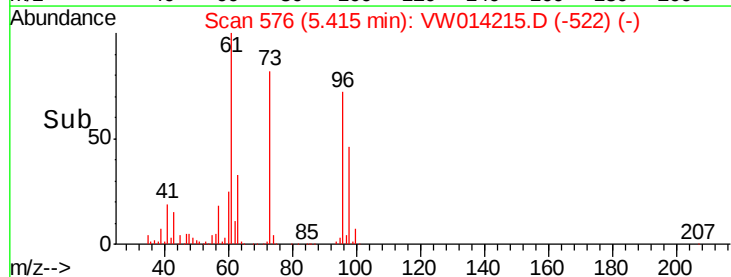
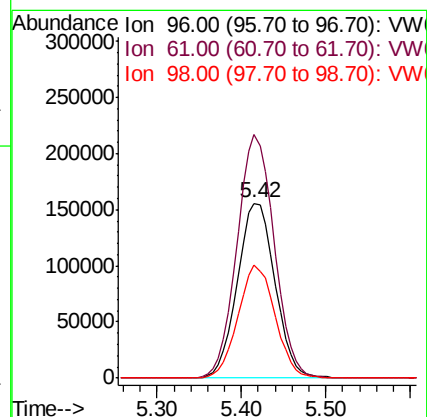
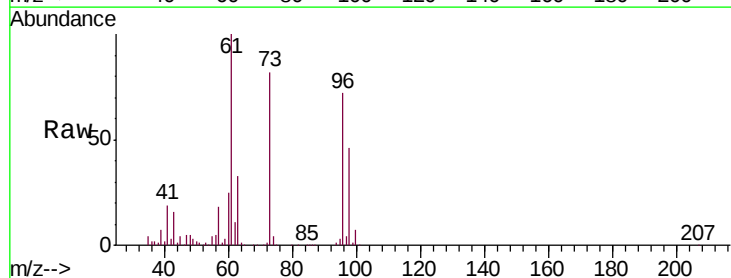
Instrument :
MSVOA_W
ClientSampleId :
VICV06

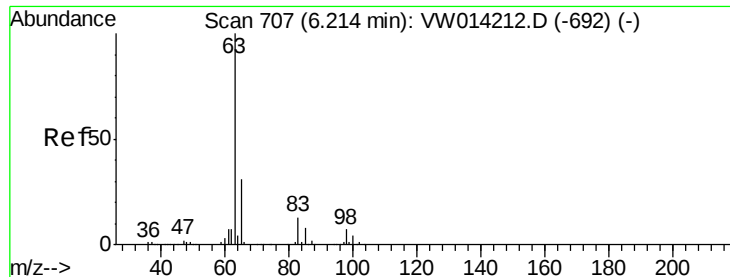
Tgt Ion: 73 Resp: 622356
Ion Ratio Lower Upper
73 100
43 18.8 15.5 23.3
57 22.6 18.2 27.4



#18
trans-1,2-Dichloroethene
Concen: 25.090 ug/L
RT: 5.42 min Scan# 576
Delta R.T. 0.00 min
Lab File: VW014215.D
Acq: 05 Dec 2019 15:26

Tgt Ion: 96 Resp: 471837
Ion Ratio Lower Upper
96 100
61 139.1 90.6 168.2
98 64.3 42.9 79.7





#19

1,1-Dichloroethane

Concen: 25.232 ug/L

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW014215.D

Acq: 05 Dec 2019 15:26

Instrument :

MSVOA_W

ClientSampleId :

VICV06

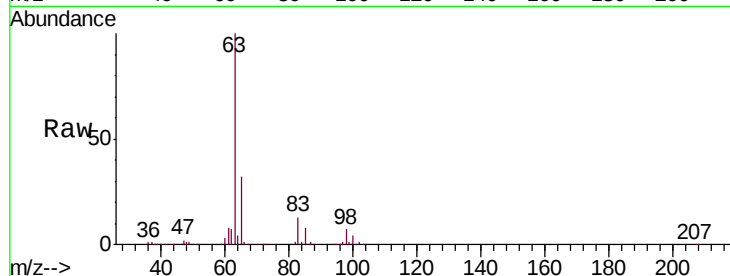
Tgt Ion: 63 Resp: 852533

Ion Ratio Lower Upper

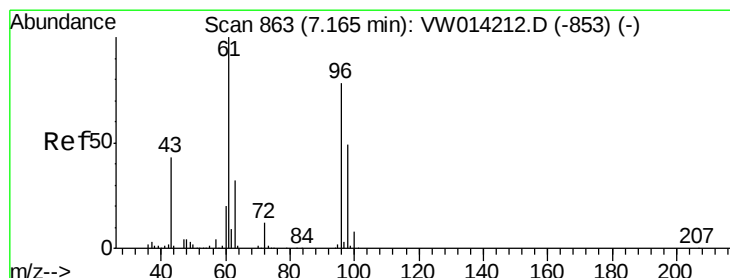
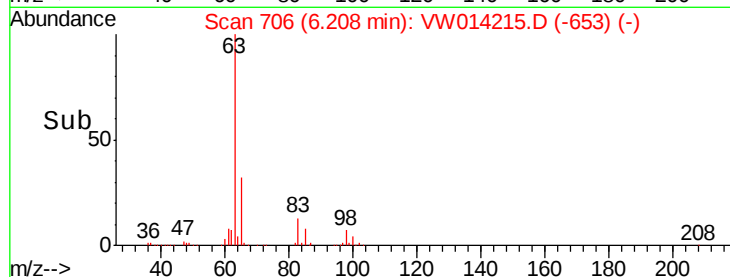
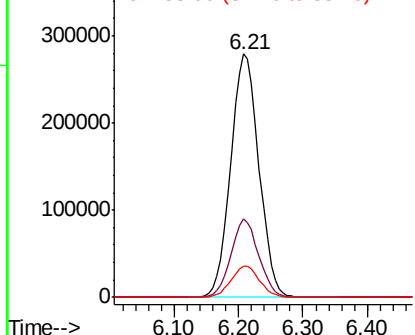
63 100

65 32.1 22.1 41.1

83 12.6 9.0 16.6



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



#21

2-Butanone

Concen: 52.019 ug/L

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW014215.D

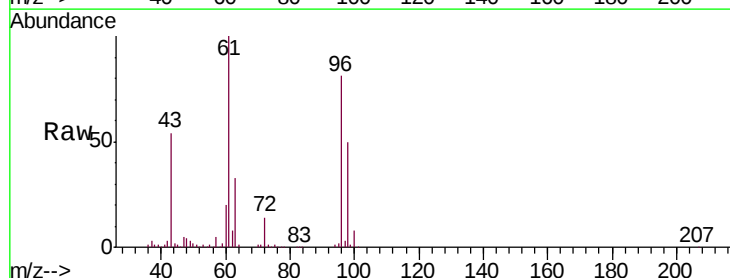
Acq: 05 Dec 2019 15:26

Tgt Ion: 43 Resp: 349411

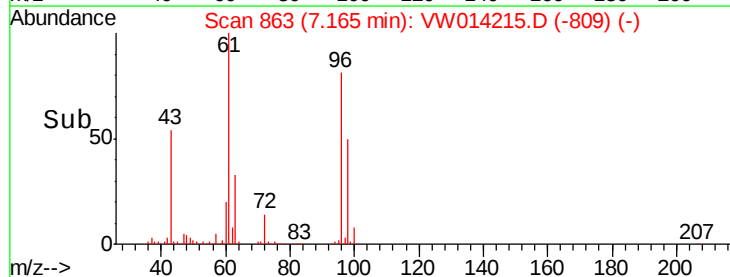
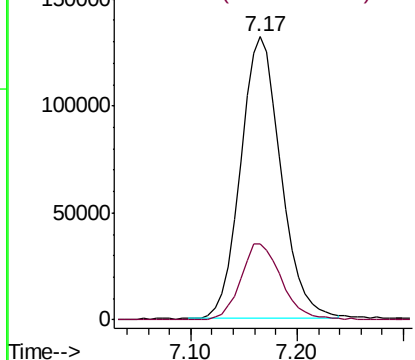
Ion Ratio Lower Upper

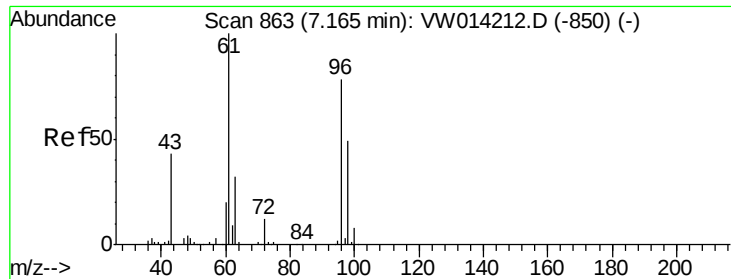
43 100

72 27.3 14.1 42.2



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



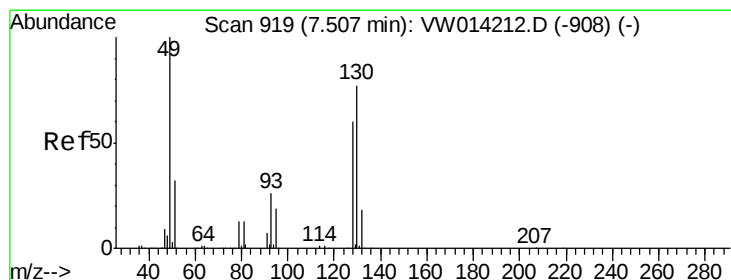
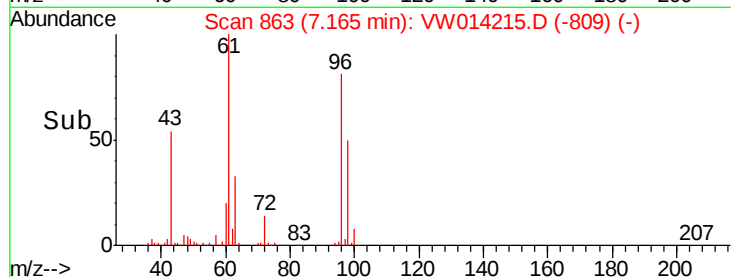
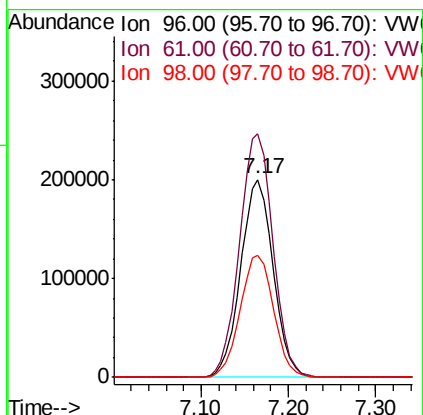
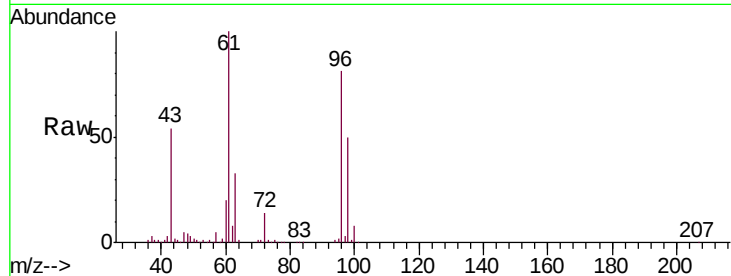


#22

cis-1,2-Dichloroethene
 Concen: 25.850 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW014215.D
 Acq: 05 Dec 2019 15:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VICV06

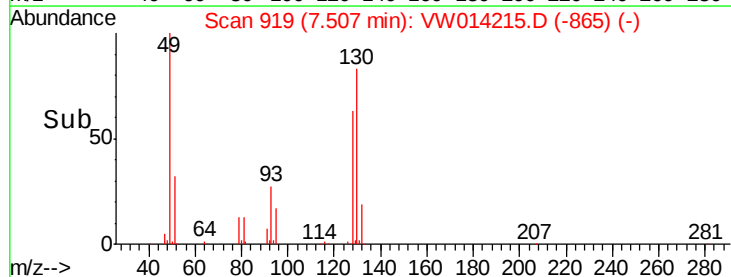
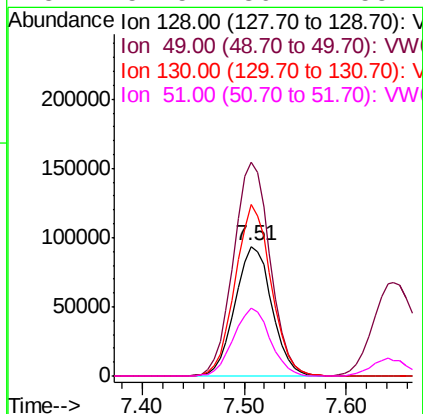
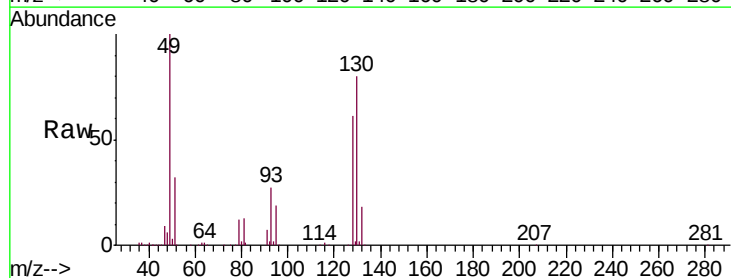
Tgt Ion: 96 Resp: 517274
 Ion Ratio Lower Upper
 96 100
 61 123.2 86.9 161.5
 98 61.8 45.5 84.5

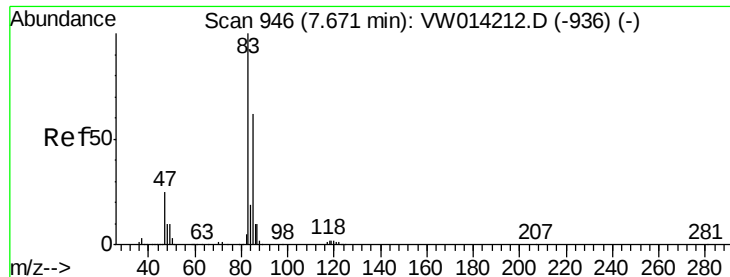


#23

Bromochloromethane
 Concen: 25.469 ug/L
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW014215.D
 Acq: 05 Dec 2019 15:26

Tgt Ion: 128 Resp: 234433
 Ion Ratio Lower Upper
 128 100
 49 164.8 95.1 176.5
 130 132.2 85.0 158.0
 51 52.5 36.7 55.1

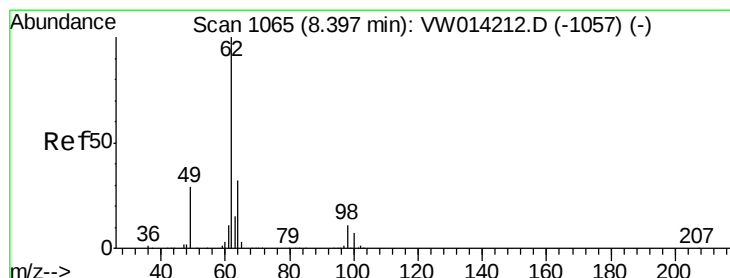
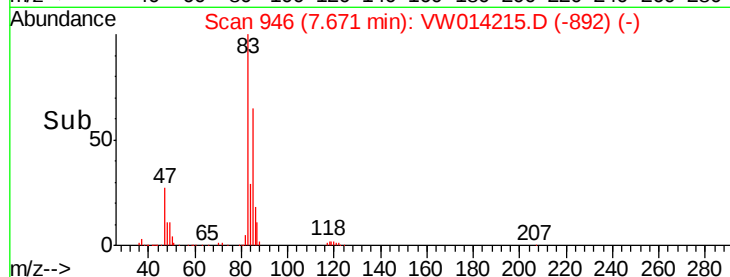
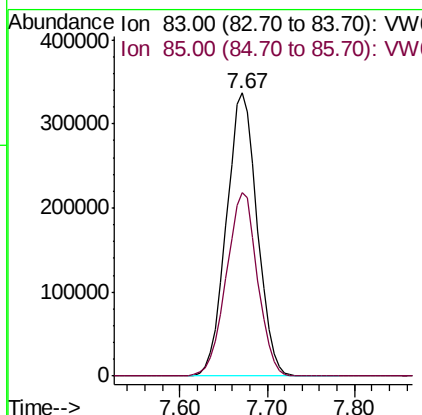
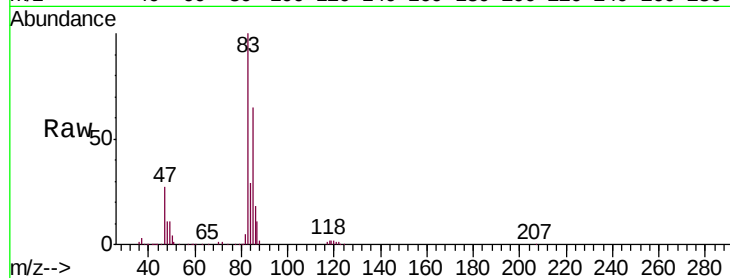




#25
Chloroform
Concen: 25.071 ug/L
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW014215.D
Acq: 05 Dec 2019 15:26

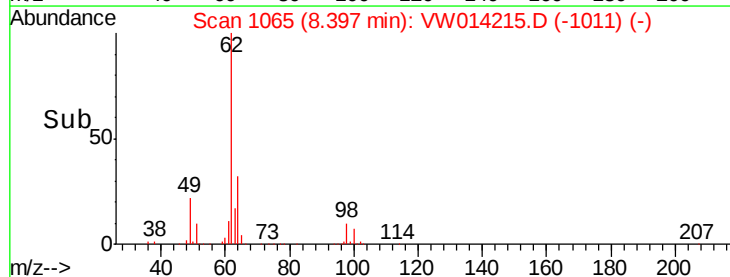
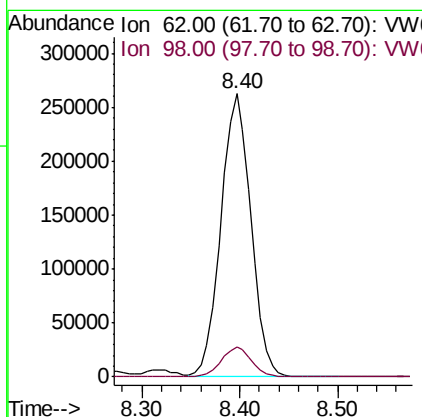
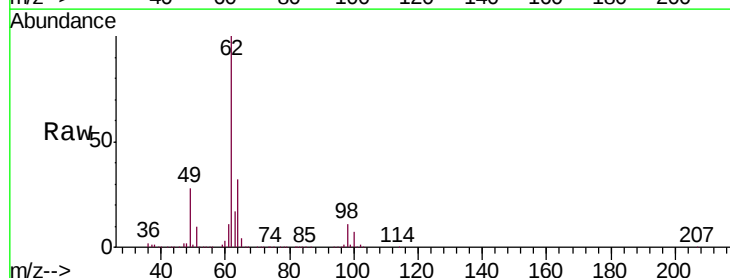
Instrument :
MSVOA_W
ClientSampleId :
VICV06

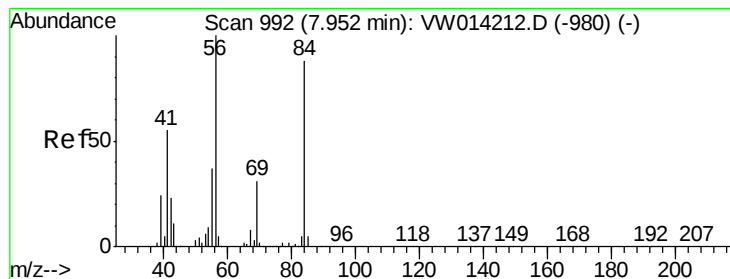
Tgt Ion: 83 Resp: 823148
Ion Ratio Lower Upper
83 100
85 65.8 46.1 85.7



#27
1,2-Dichloroethane
Concen: 25.856 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW014215.D
Acq: 05 Dec 2019 15:26

Tgt Ion: 62 Resp: 555899
Ion Ratio Lower Upper
62 100
98 10.5 9.3 13.9





#30

Cyclohexane

Concen: 26.220 ug/L

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW014215.D

Acq: 05 Dec 2019 15:26

Instrument :

MSVOA_W

ClientSampleId :

VICV06

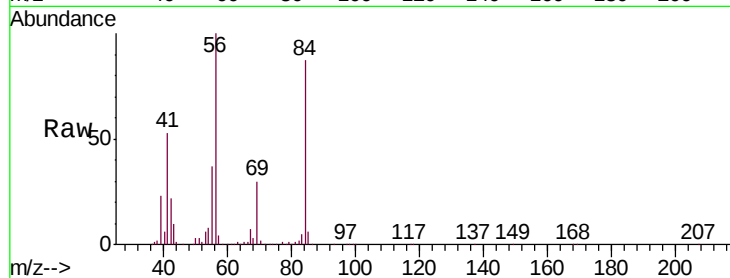
Tgt Ion: 56 Resp: 786011

Ion Ratio Lower Upper

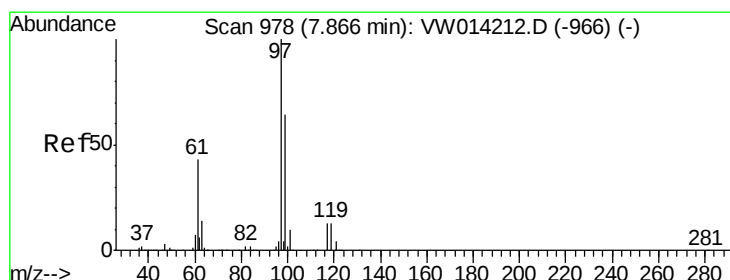
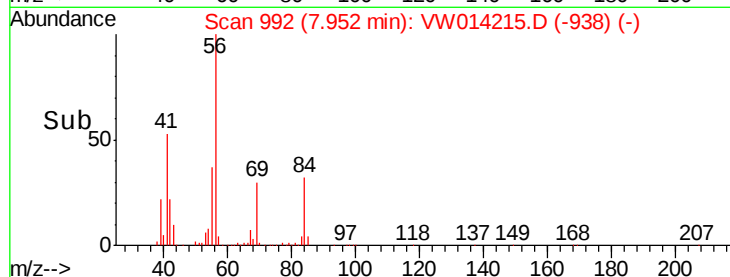
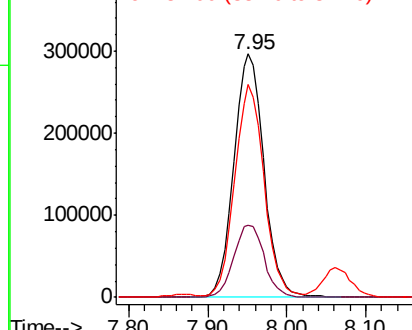
56 100

69 30.2 24.6 37.0

84 85.5 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: 25.583 ug/L

RT: 7.87 min Scan# 978

Delta R.T. 0.00 min

Lab File: VW014215.D

Acq: 05 Dec 2019 15:26

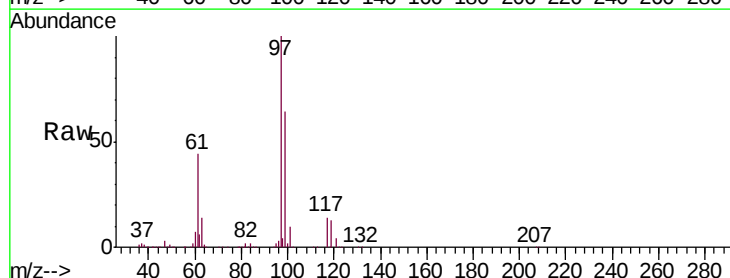
Tgt Ion: 97 Resp: 617051

Ion Ratio Lower Upper

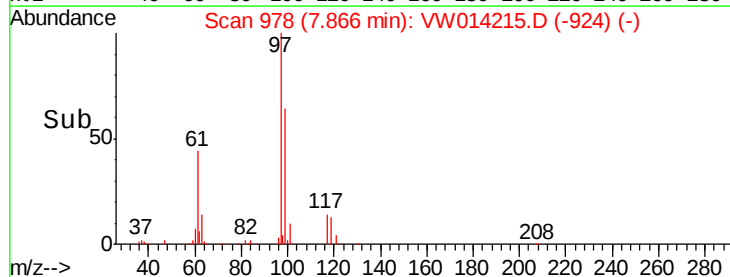
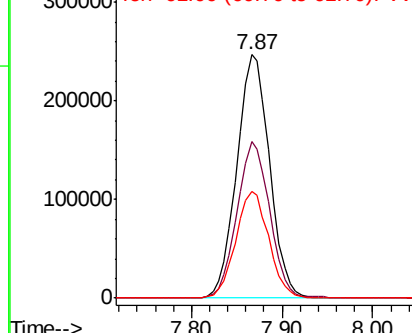
97 100

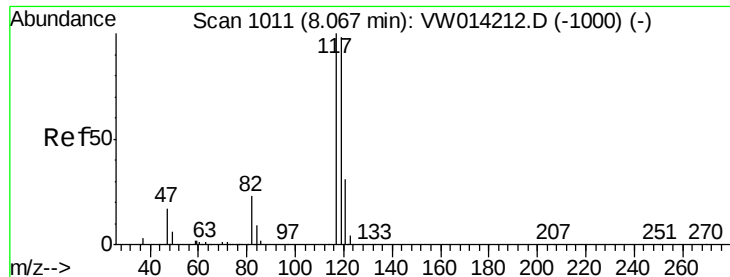
99 64.4 51.1 76.7

61 44.3 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: 25.071 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW014215.D

Acq: 05 Dec 2019 15:26

Instrument :

MSVOA_W

ClientSampled :

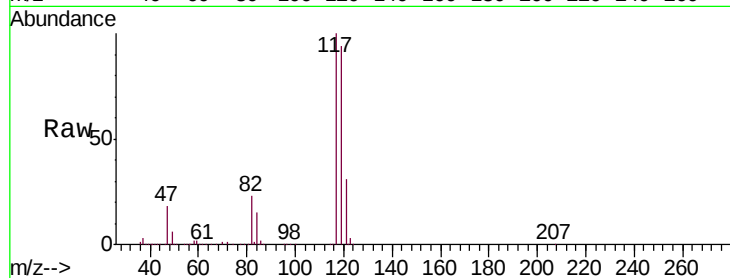
VICV06

Tgt Ion:117 Resp: 573759

Ion Ratio Lower Upper

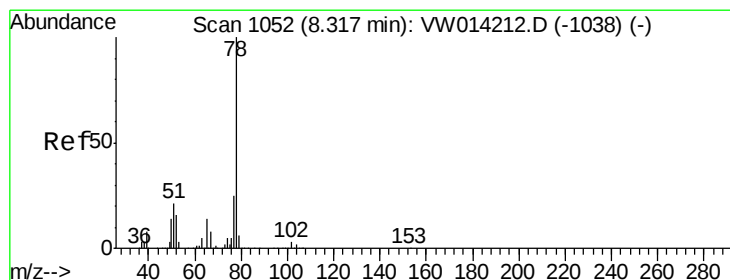
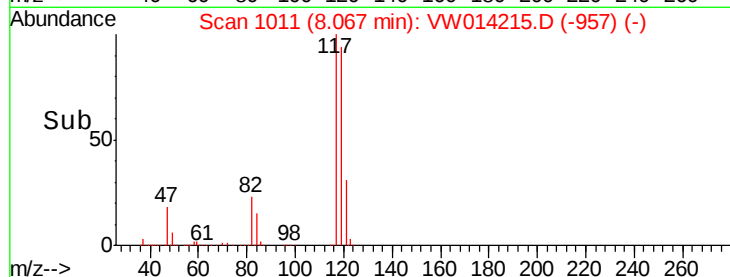
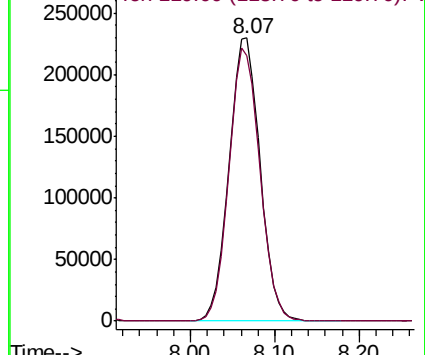
117 100

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: 25.521 ug/L

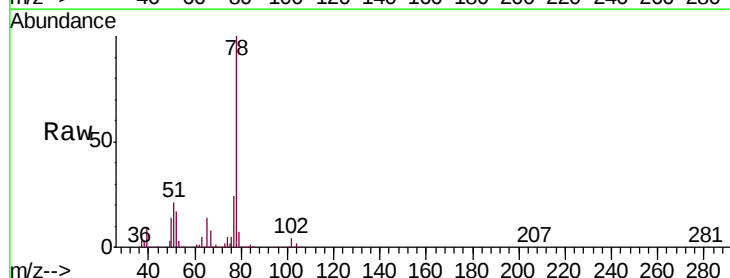
RT: 8.32 min Scan# 1052

Delta R.T. 0.00 min

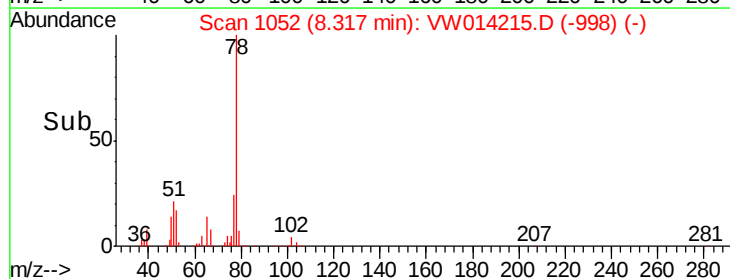
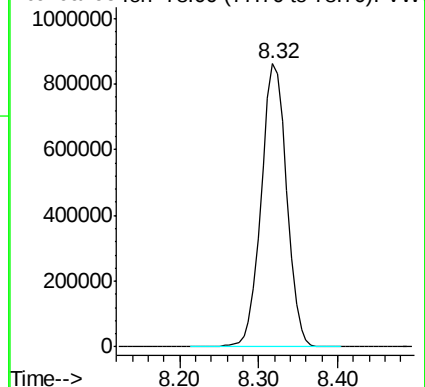
Lab File: VW014215.D

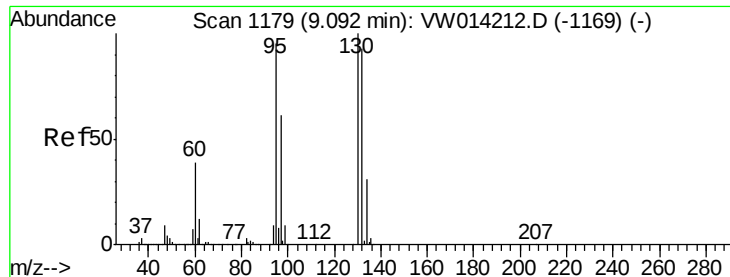
Acq: 05 Dec 2019 15:26

Tgt Ion: 78 Resp: 1940739



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 24.955 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW014215.D

Acq: 05 Dec 2019 15:26

Instrument :

MSVOA_W

ClientSampleId :

VICV06

Tgt Ion: 95 Resp: 485540

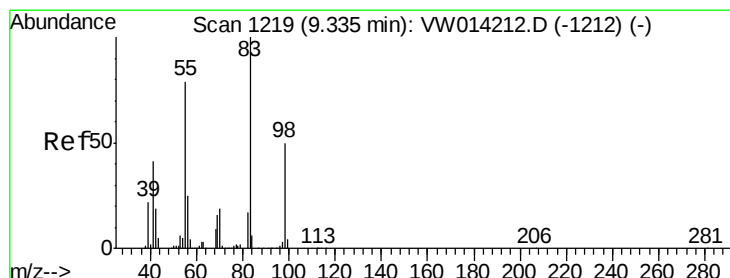
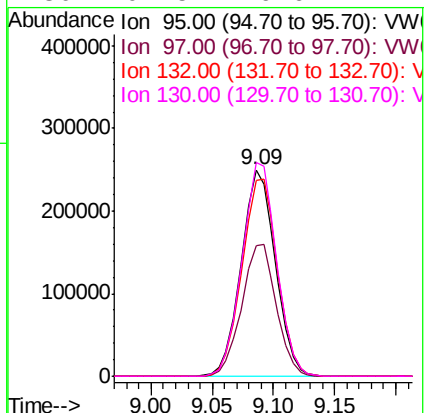
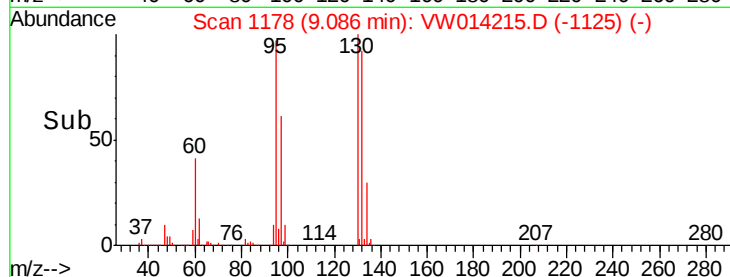
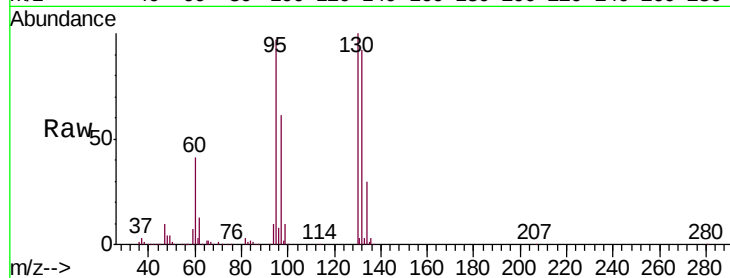
Ion Ratio Lower Upper

95 100

97 64.5 45.1 83.9

132 98.9 73.7 136.9

130 104.5 76.6 142.2



#36

Methylcyclohexane

Concen: 25.510 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW014215.D

Acq: 05 Dec 2019 15:26

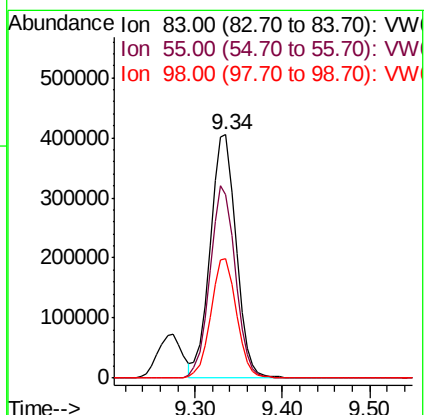
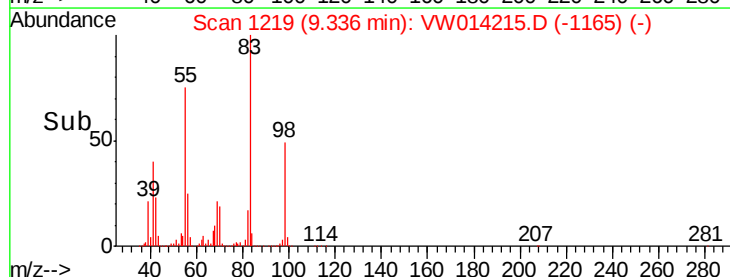
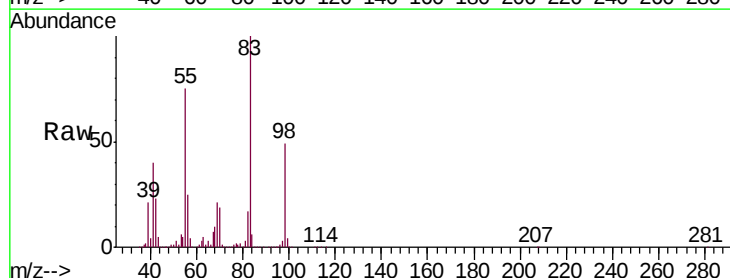
Tgt Ion: 83 Resp: 834053

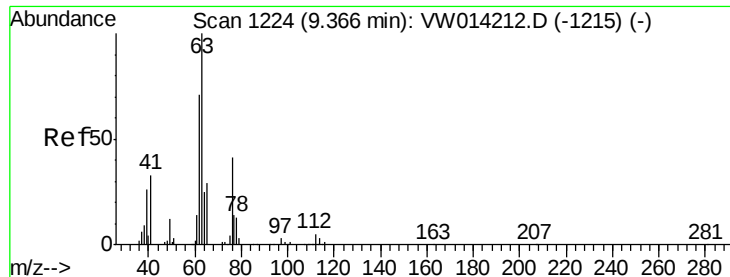
Ion Ratio Lower Upper

83 100

55 77.5 59.8 89.8

98 48.7 39.5 59.3





#40

1,2-Dichloropropane

Concen: 25.705 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW014215.D

Acq: 05 Dec 2019 15:26

Instrument :

MSVOA_W

ClientSampleId :

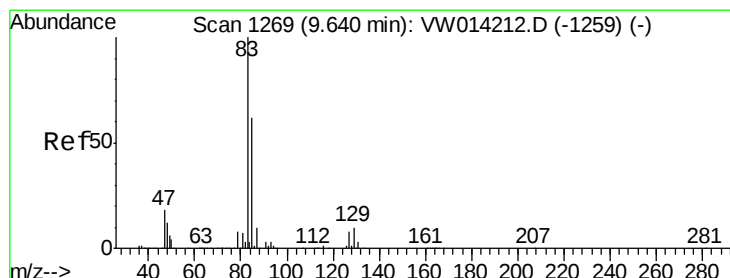
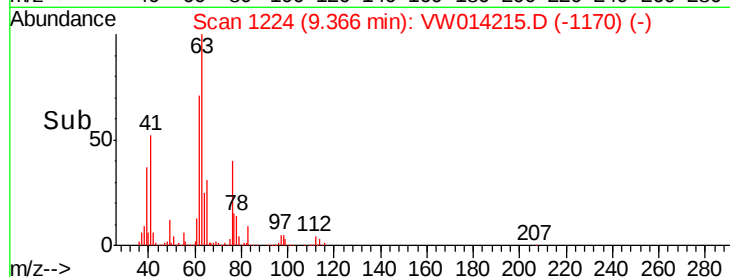
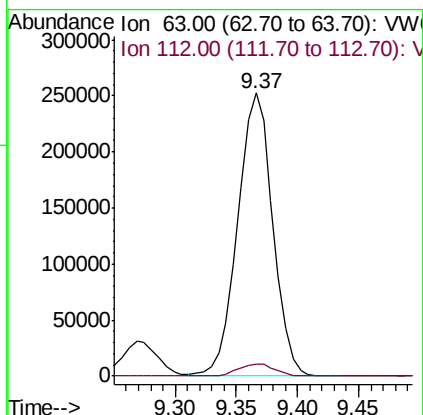
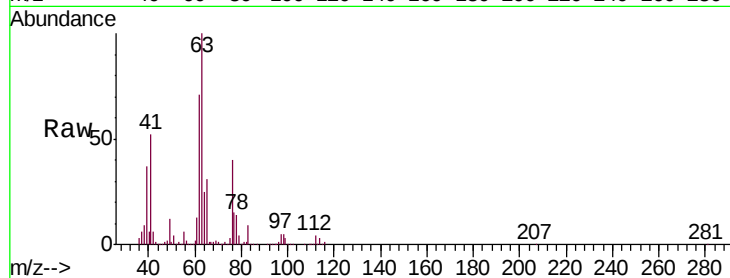
VICV06

Tgt Ion: 63 Resp: 502183

Ion Ratio Lower Upper

63 100

112 4.6 3.9 5.9



#41

Bromodichloromethane

Concen: 25.679 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW014215.D

Acq: 05 Dec 2019 15:26

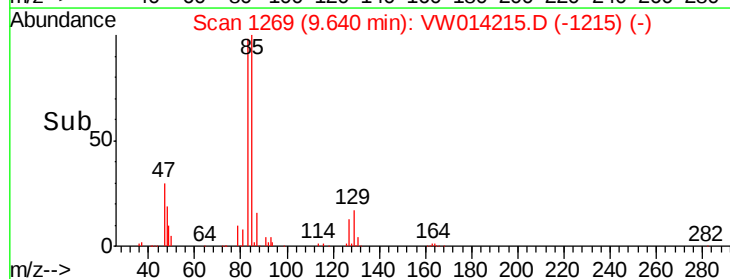
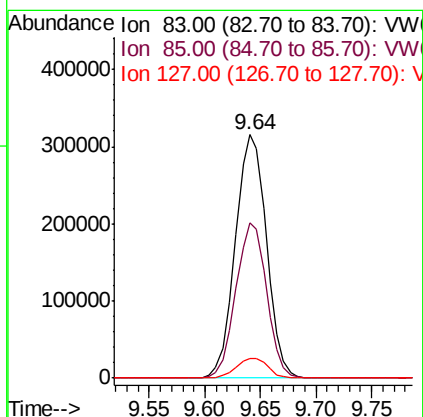
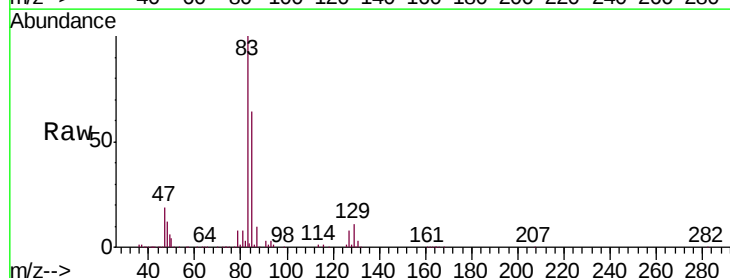
Tgt Ion: 83 Resp: 609657

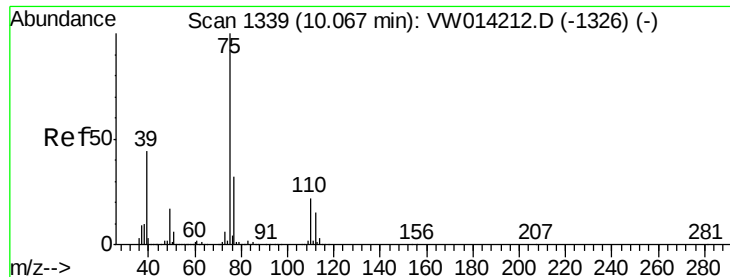
Ion Ratio Lower Upper

83 100

85 63.6 45.1 83.7

127 8.0 7.4 11.0





#42

cis-1,3-Dichloropropene

Concen: 26.552 ug/L

RT: 10.07 min Scan# 1339

Delta R.T. 0.00 min

Lab File: VW014215.D

Acq: 05 Dec 2019 15:26

Instrument :

MSVOA_W

ClientSampleId :

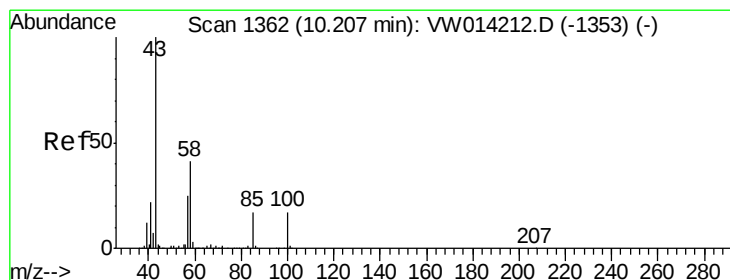
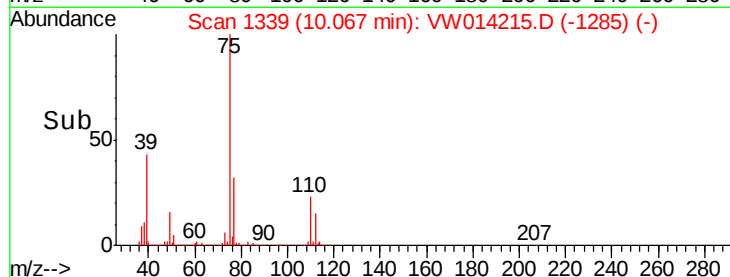
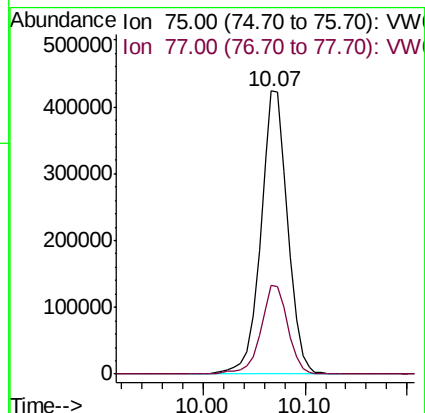
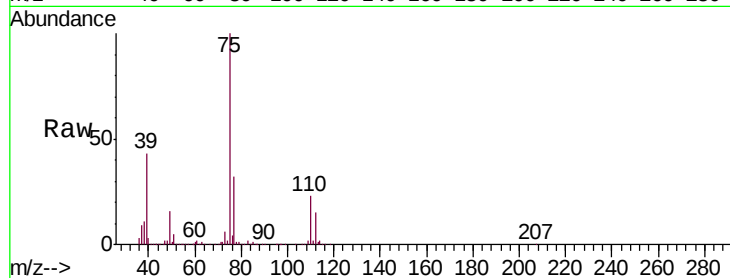
VICV06

Tgt Ion: 75 Resp: 776827

Ion Ratio Lower Upper

75 100

77 31.6 22.1 41.1



#43

4-Methyl-2-pentanone

Concen: 58.098 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW014215.D

Acq: 05 Dec 2019 15:26

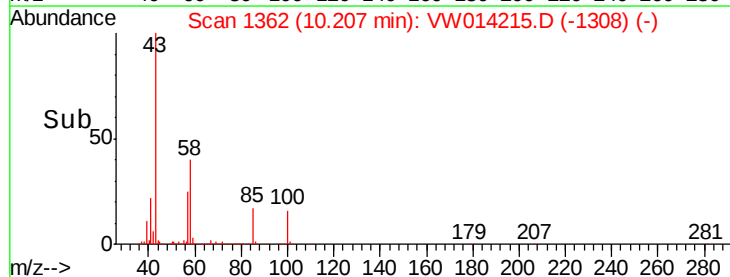
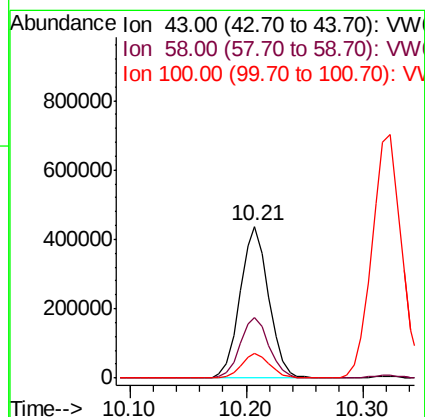
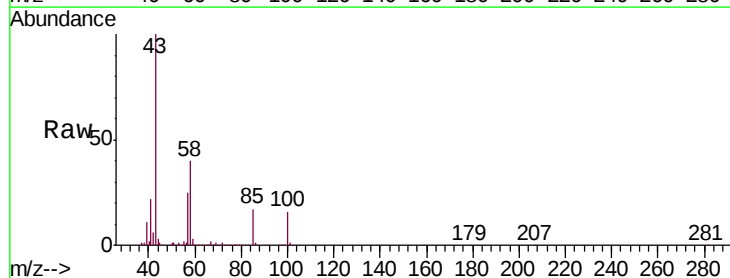
Tgt Ion: 43 Resp: 748445

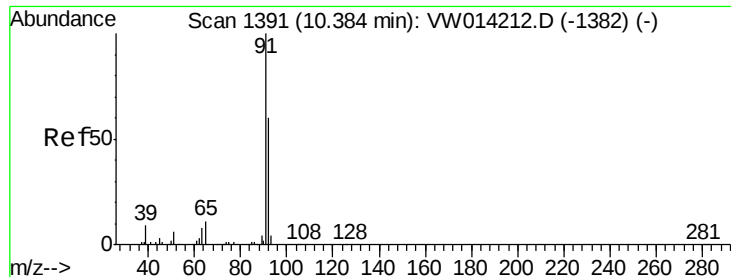
Ion Ratio Lower Upper

43 100

58 40.5 32.6 49.0

100 16.2 13.8 20.8





#44

Toluene

Concen: 25.858 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW014215.D

Acq: 05 Dec 2019 15:26

Instrument :

MSVOA_W

ClientSampleId :

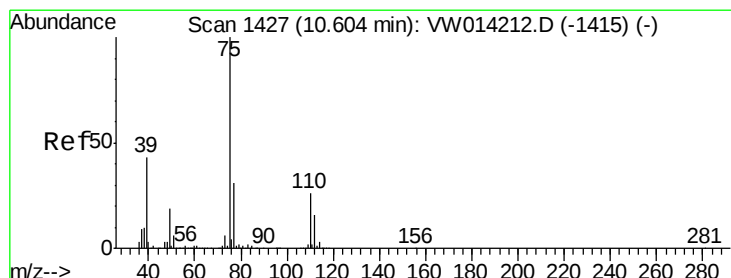
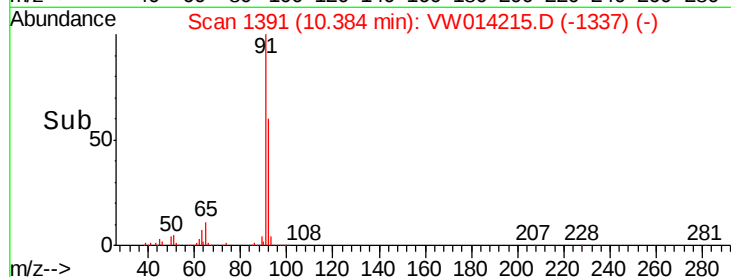
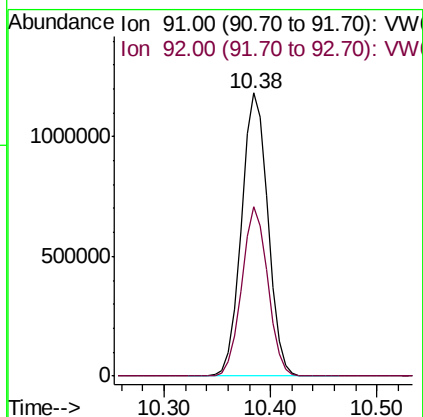
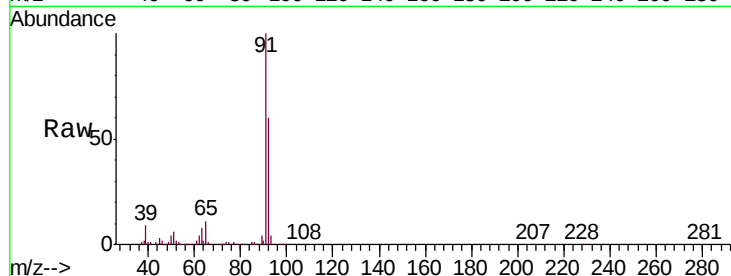
VICV06

Tgt Ion: 91 Resp: 2061493

Ion Ratio Lower Upper

91 100

92 59.7 40.7 75.7



#45

trans-1,3-Dichloropropene

Concen: 26.479 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW014215.D

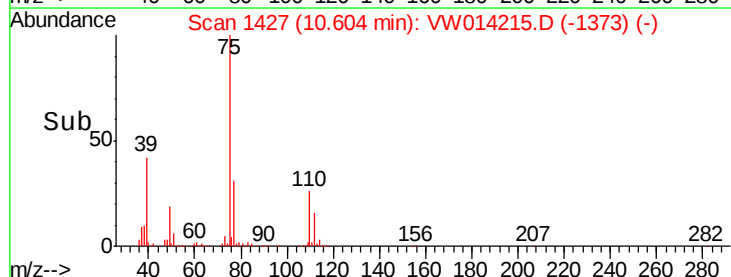
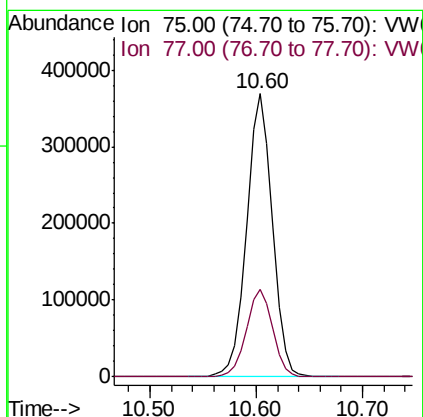
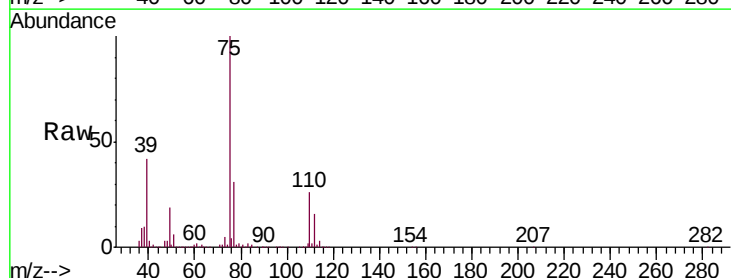
Acq: 05 Dec 2019 15:26

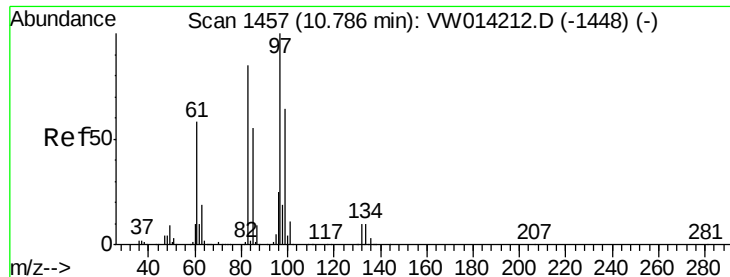
Tgt Ion: 75 Resp: 627089

Ion Ratio Lower Upper

75 100

77 30.8 21.8 40.6





#46

1,1,2-Trichloroethane

Concen: 26.027 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW014215.D

Acq: 05 Dec 2019 15:26

Instrument :

MSVOA_W

ClientSampled :

VICV06

Tgt Ion: 97 Resp: 381019

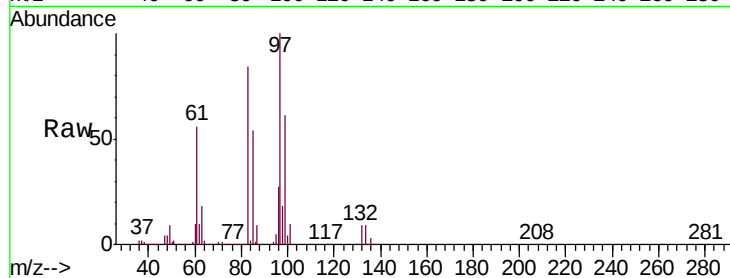
Ion Ratio Lower Upper

97 100

83 84.0 58.9 109.5

85 53.9 38.1 70.9

99 61.4 46.5 86.3

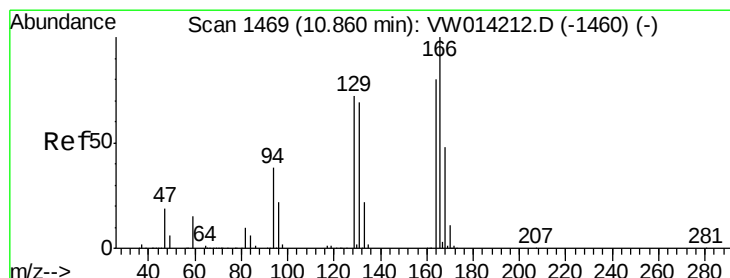
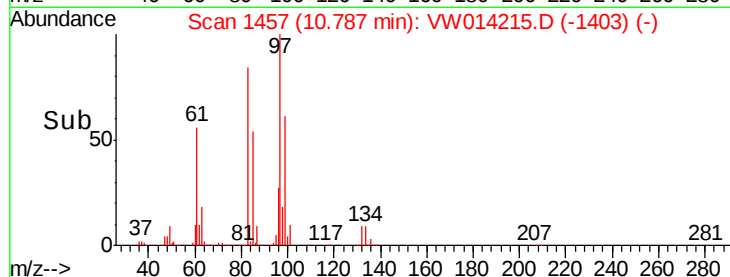
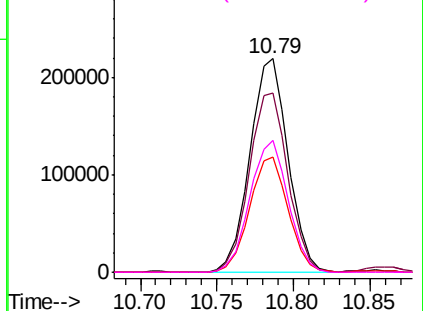


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 24.647 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW014215.D

Acq: 05 Dec 2019 15:26

Tgt Ion: 164 Resp: 399701

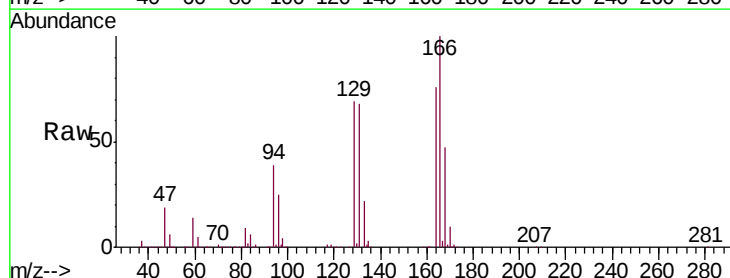
Ion Ratio Lower Upper

164 100

129 90.6 60.6 112.6

131 89.6 59.1 109.7

166 132.0 90.8 168.6

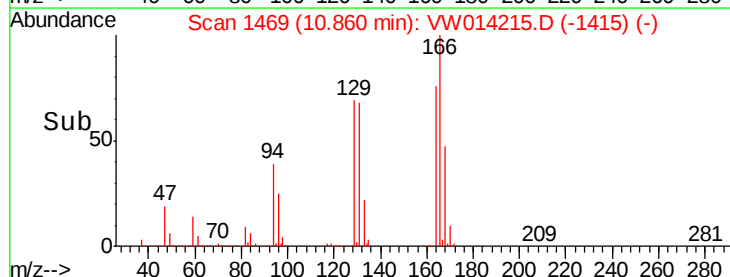
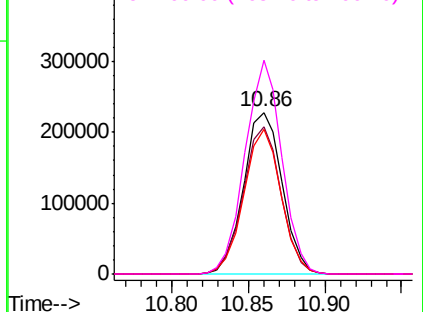


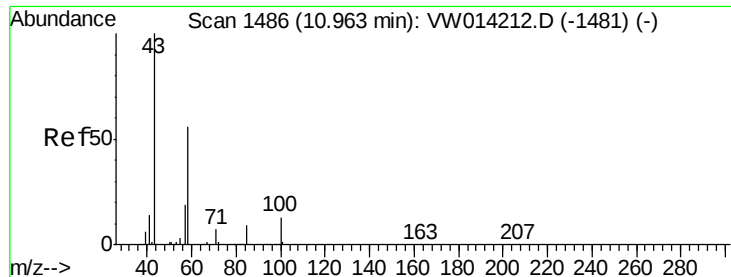
Abundance Ion 164.00 (163.70 to 164.70): V

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

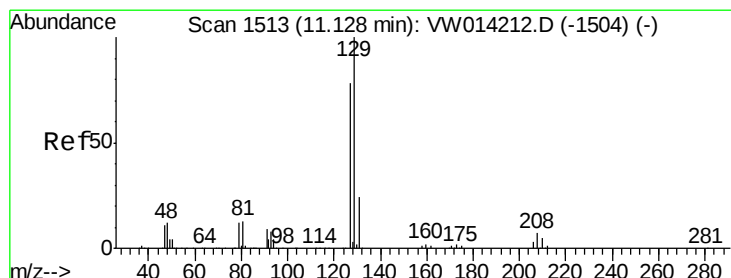
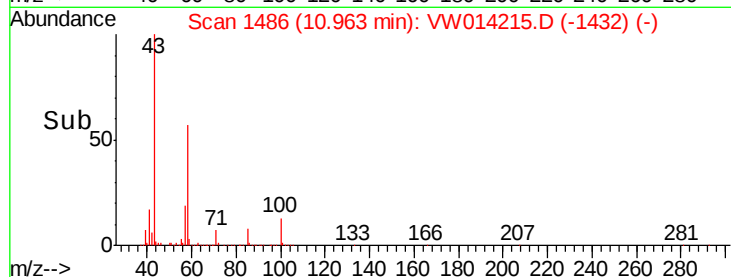
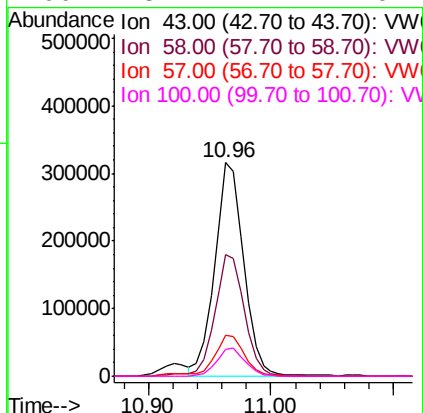
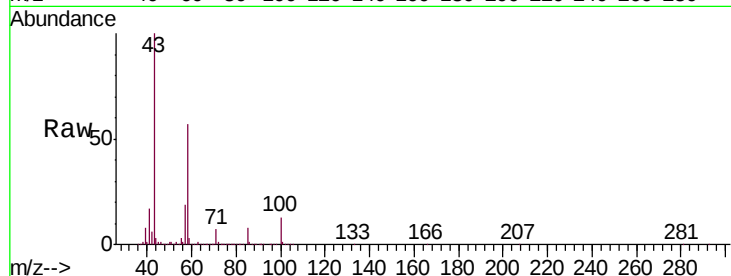




#49
2-Hexanone
Concen: 56.770 ug/L
RT: 10.96 min Scan# 1486
Delta R.T. 0.00 min
Lab File: VW014215.D
Acq: 05 Dec 2019 15:26

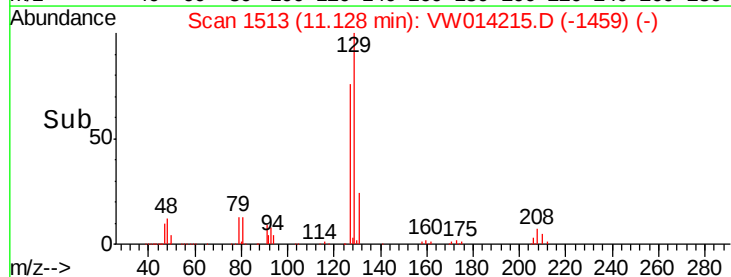
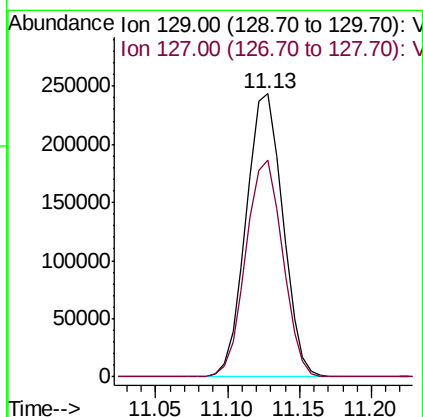
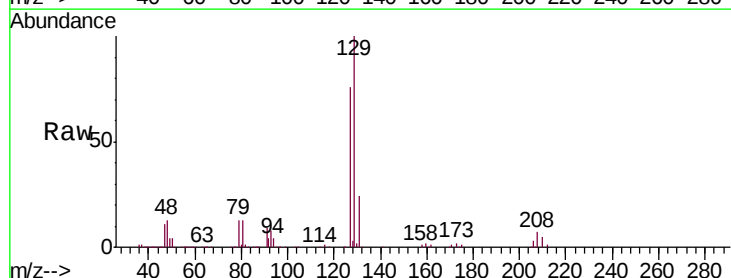
Instrument :
MSVOA_W
ClientSampled :
VICV06

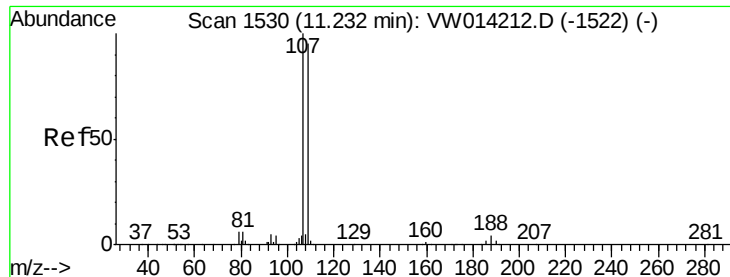
Tgt Ion: 43 Resp: 520672
Ion Ratio Lower Upper
43 100
58 57.5 44.4 66.6
57 19.4 16.5 24.7
100 13.1 11.1 16.7



#50
Dibromochloromethane
Concen: 26.211 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW014215.D
Acq: 05 Dec 2019 15:26

Tgt Ion: 129 Resp: 430655
Ion Ratio Lower Upper
129 100
127 76.4 54.9 102.1

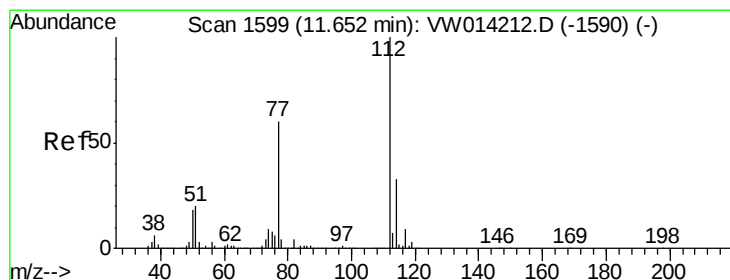
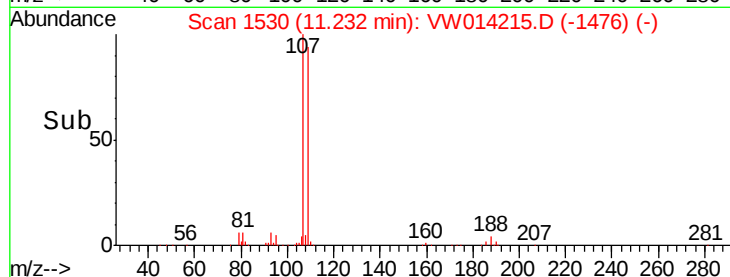
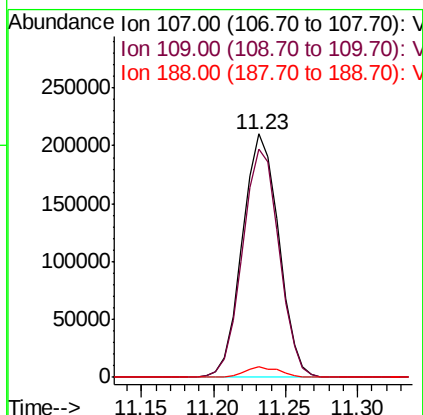
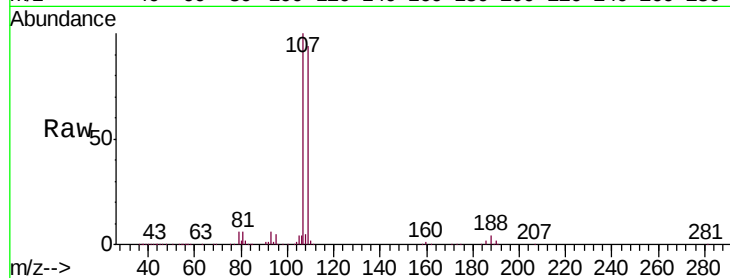




#51
 1,2-Dibromoethane
 Concen: 26.529 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW014215.D
 Acq: 05 Dec 2019 15:26

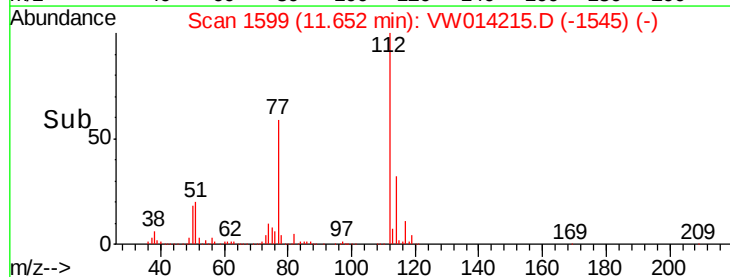
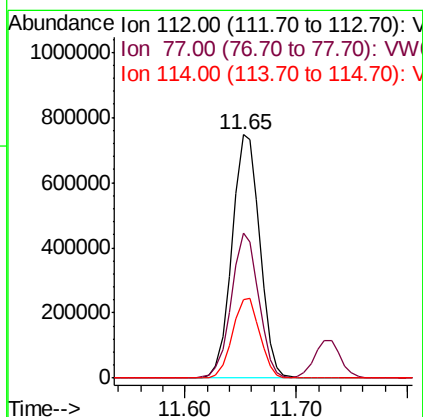
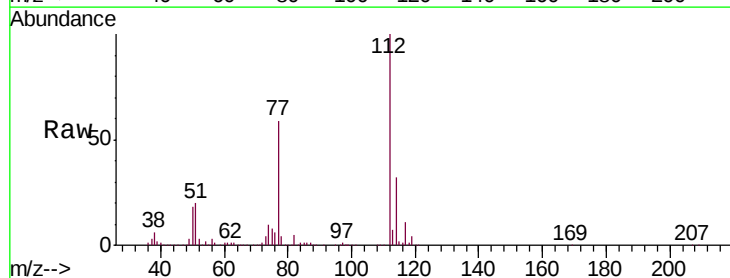
Instrument :
 MSVOA_W
 ClientSampled :
 VICV06

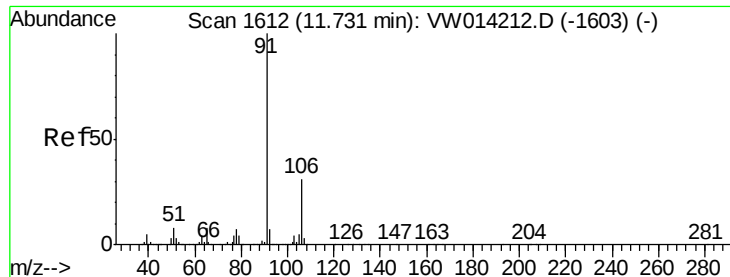
Tgt Ion:107 Resp: 367863
 Ion Ratio Lower Upper
 107 100
 109 93.9 64.6 120.0
 188 4.4 3.9 5.9



#52
 Chlorobenzene
 Concen: 24.958 ug/L
 RT: 11.65 min Scan# 1599
 Delta R.T. 0.00 min
 Lab File: VW014215.D
 Acq: 05 Dec 2019 15:26

Tgt Ion:112 Resp: 1285961
 Ion Ratio Lower Upper
 112 100
 77 59.4 42.2 63.4
 114 32.4 22.5 41.9

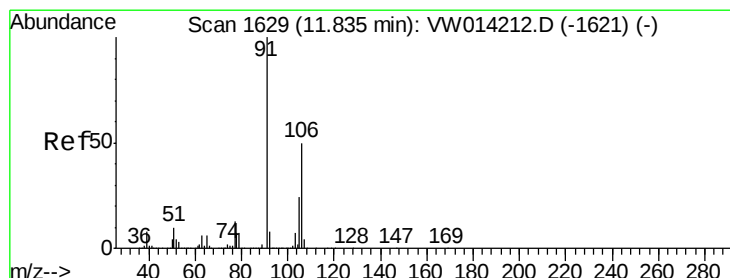
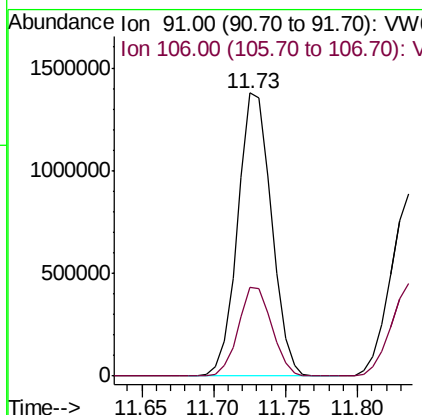
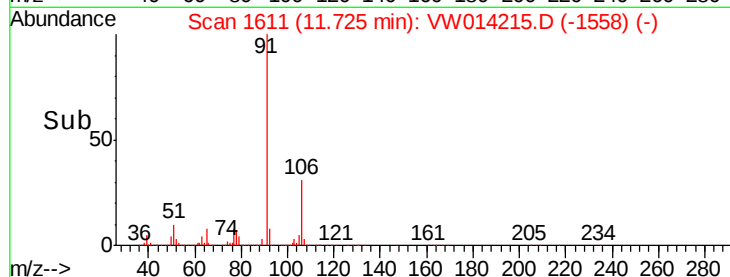
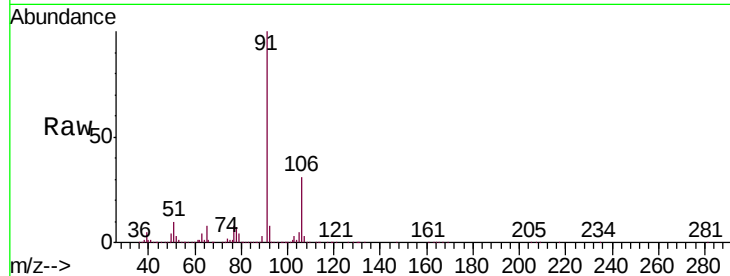




#53
Ethylbenzene
Concen: 25.922 ug/L
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW014215.D
Acq: 05 Dec 2019 15:26

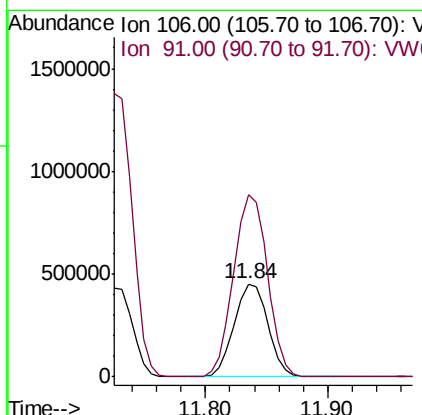
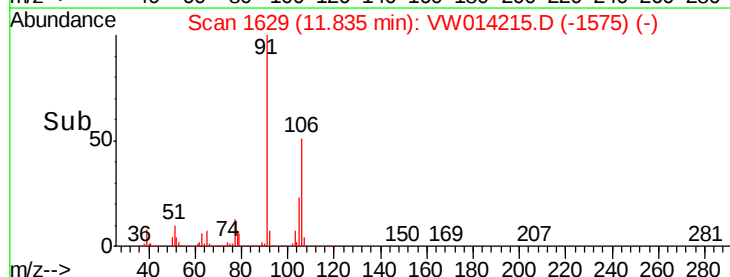
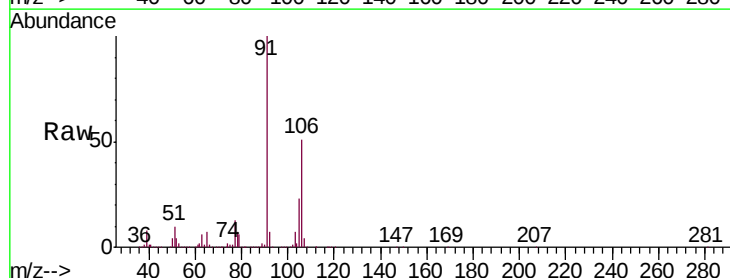
Instrument :
MSVOA_W
ClientSampled :
VICV06

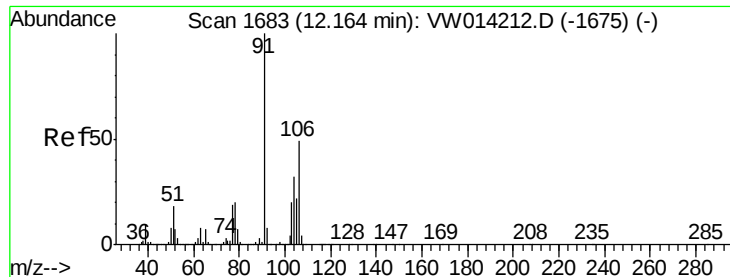
Tgt Ion: 91 Resp: 2242434
Ion Ratio Lower Upper
91 100
106 31.2 22.3 41.5



#54
m,p-Xylene
Concen: 25.989 ug/L
RT: 11.84 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW014215.D
Acq: 05 Dec 2019 15:26

Tgt Ion: 106 Resp: 864819
Ion Ratio Lower Upper
106 100
91 195.8 138.7 257.5





#55

o-xylene

Concen: 26.442 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW014215.D

Acq: 05 Dec 2019 15:26

Instrument :

MSVOA_W

ClientSampleId :

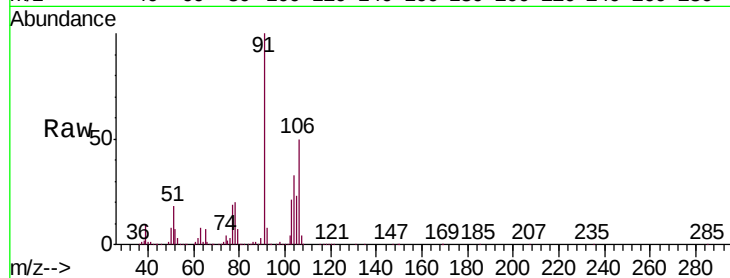
VICV06

Tgt Ion:106 Resp: 834605

Ion Ratio Lower Upper

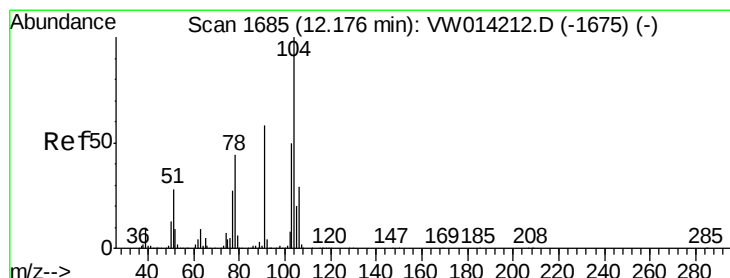
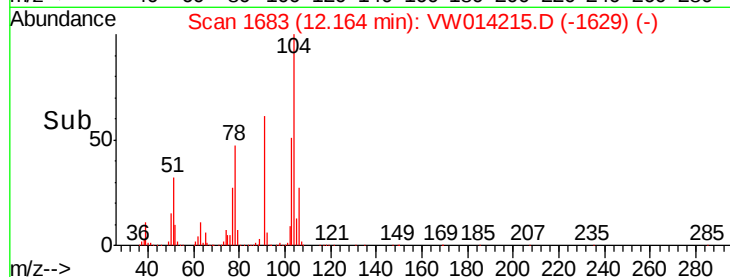
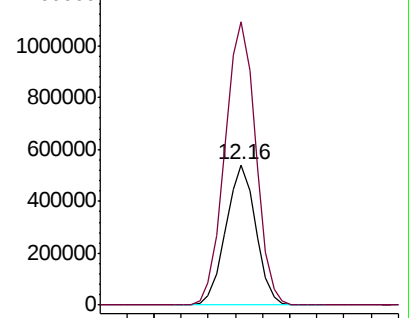
106 100

91 201.5 148.3 275.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 26.388 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VW014215.D

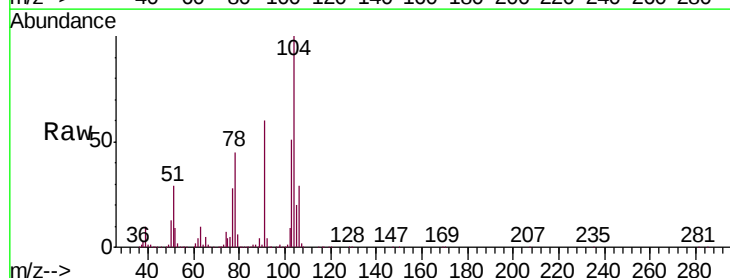
Acq: 05 Dec 2019 15:26

Tgt Ion:104 Resp: 1424881

Ion Ratio Lower Upper

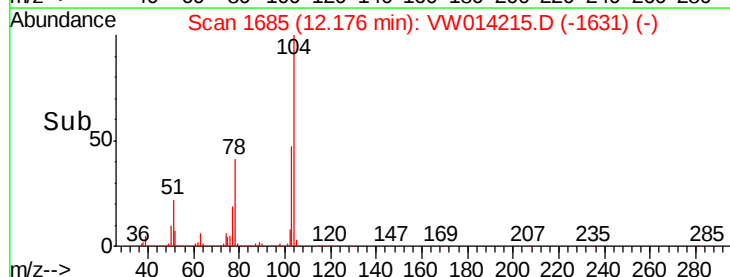
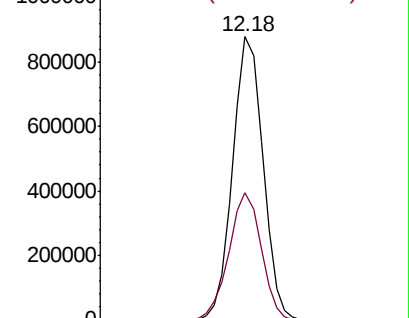
104 100

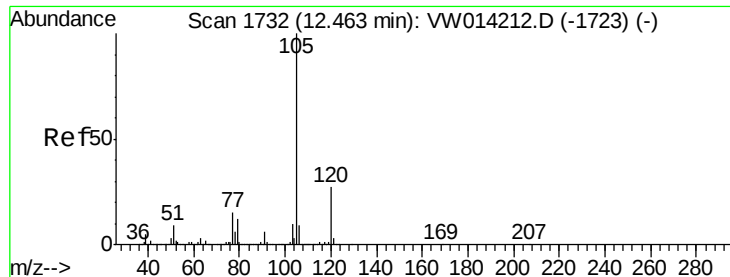
78 45.0 30.6 56.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 25.910 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW014215.D

Acq: 05 Dec 2019 15:26

Instrument :

MSVOA_W

ClientSampleId :

VICV06

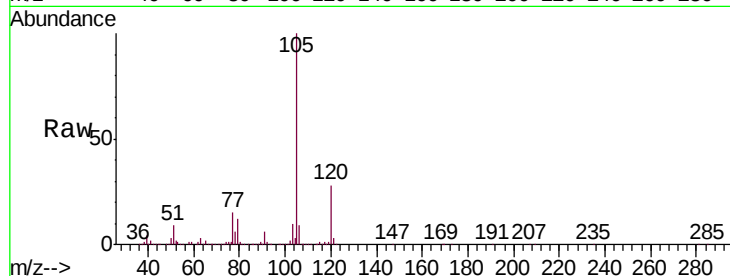
Tgt Ion:105 Resp: 2123134

Ion Ratio Lower Upper

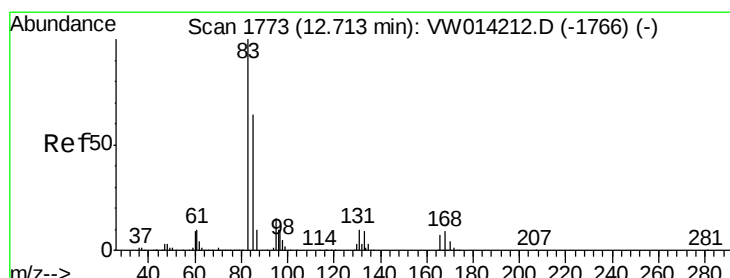
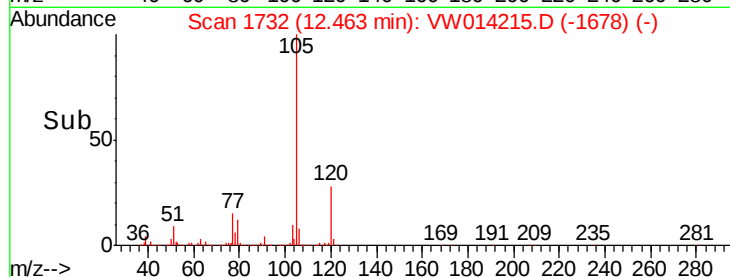
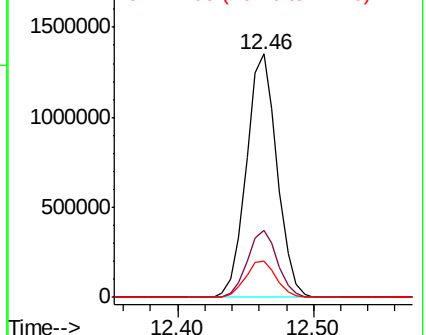
105 100

120 27.2 21.6 32.4

77 15.0 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: 27.076 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW014215.D

Acq: 05 Dec 2019 15:26

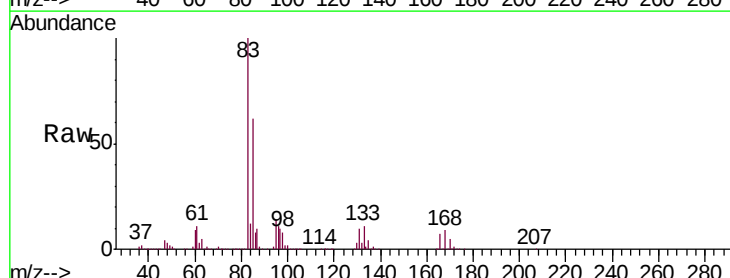
Tgt Ion: 83 Resp: 491980

Ion Ratio Lower Upper

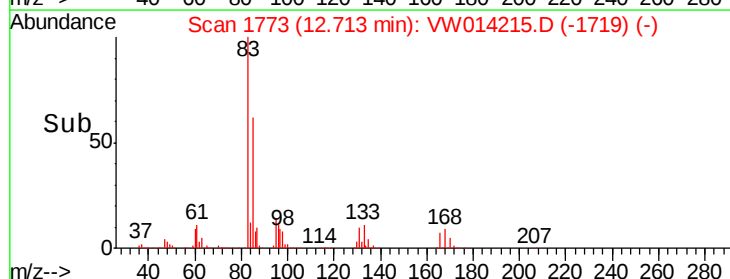
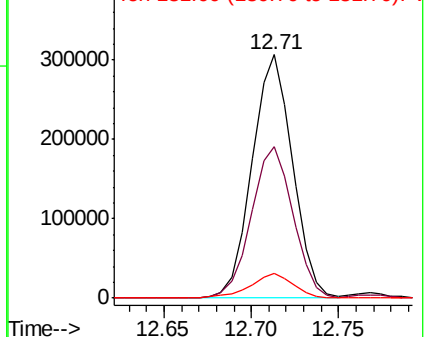
83 100

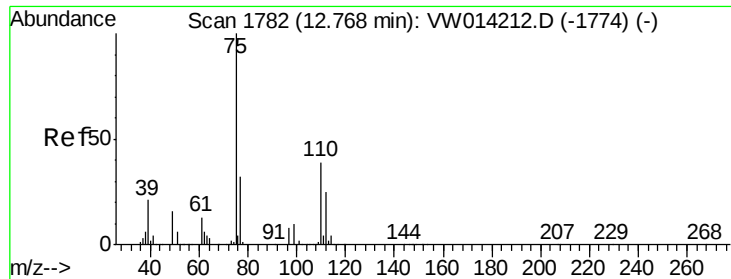
85 62.3 43.7 81.1

131 9.9 8.2 12.2



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





#59

1,2,3-Trichloropropane

Concen: 26.730 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW014215.D

Acq: 05 Dec 2019 15:26

Instrument :

MSVOA_W

ClientSampleId :

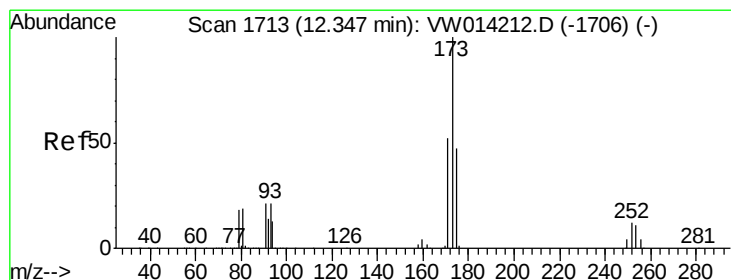
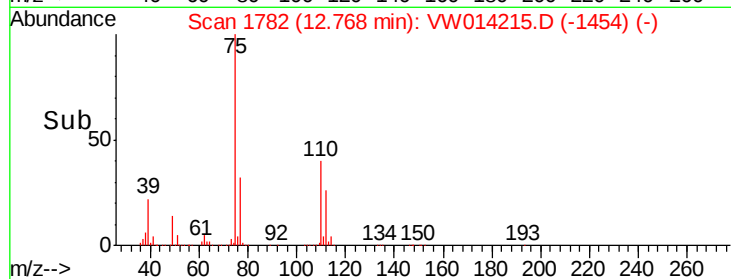
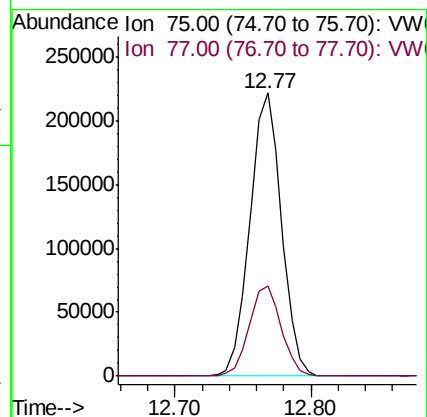
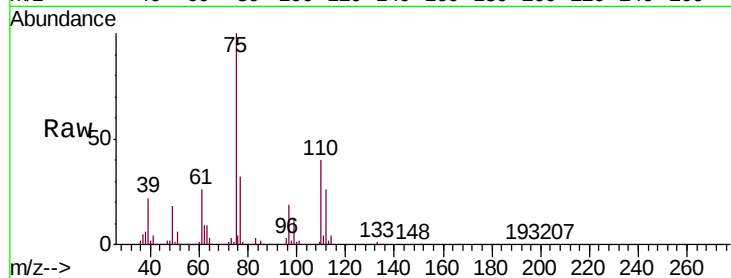
VICV06

Tgt Ion: 75 Resp: 360893

Ion Ratio Lower Upper

75 100

77 32.3 25.9 38.9



#62

Bromoform

Concen: 26.599 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW014215.D

Acq: 05 Dec 2019 15:26

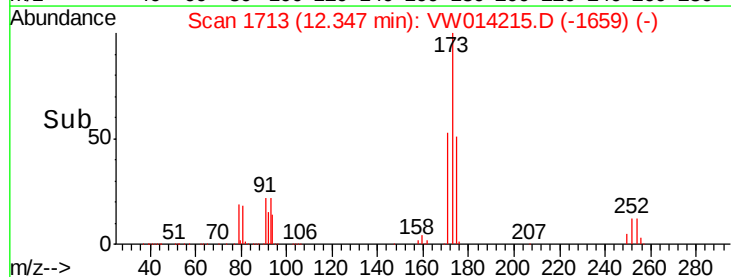
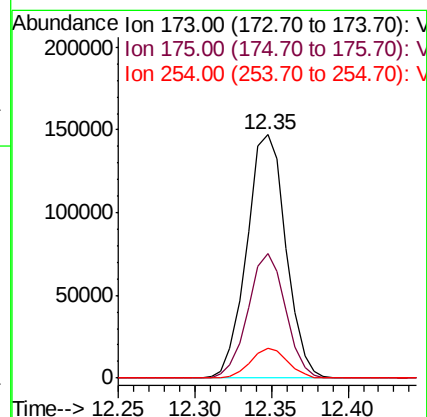
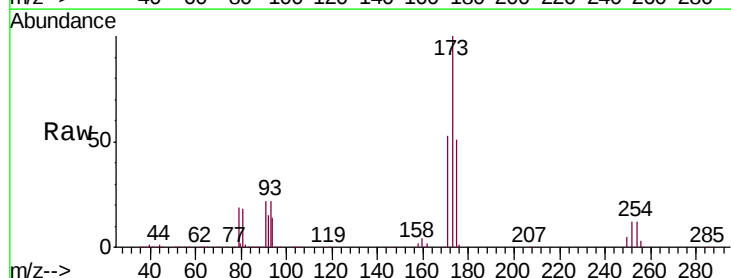
Tgt Ion: 173 Resp: 261241

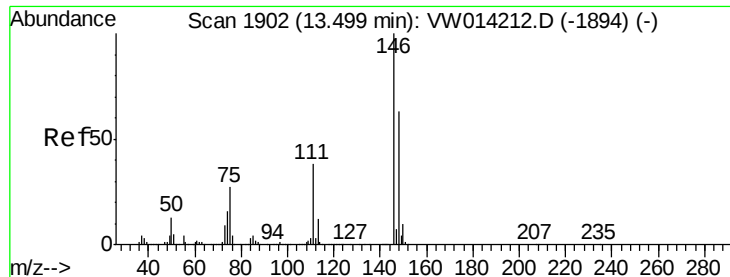
Ion Ratio Lower Upper

173 100

175 49.2 38.8 58.2

254 11.8 9.4 14.0





#63

1,3-Dichlorobenzene

Concen: 25.646 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW014215.D

Acq: 05 Dec 2019 15:26

Instrument :

MSVOA_W

ClientSampleId :

VICV06

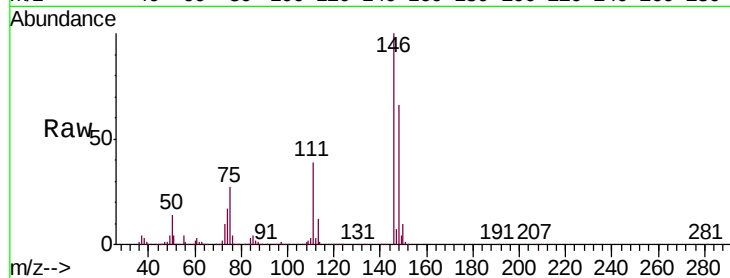
Tgt Ion:146 Resp: 997514

Ion Ratio Lower Upper

146 100

111 38.7 26.0 48.2

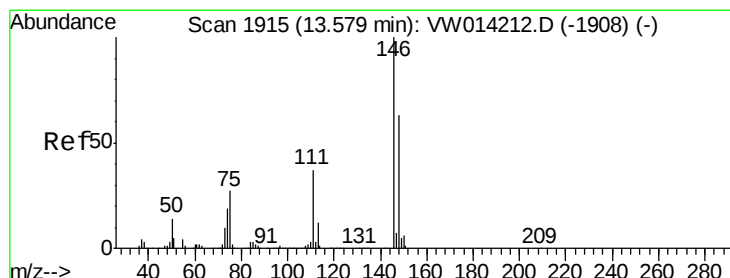
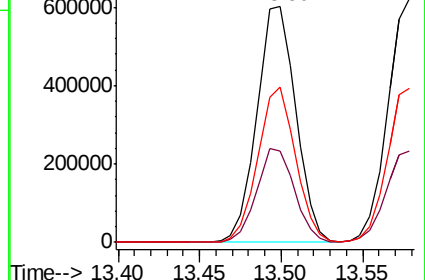
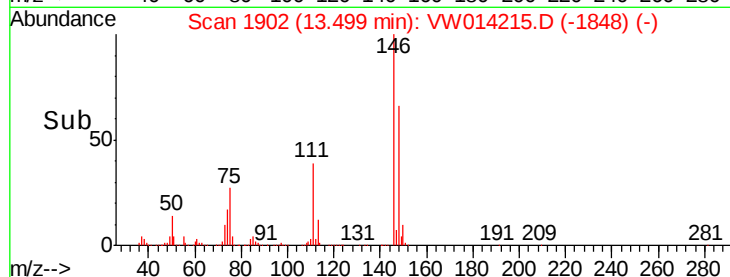
148 65.9 44.7 82.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#64

1,4-Dichlorobenzene

Concen: 25.173 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW014215.D

Acq: 05 Dec 2019 15:26

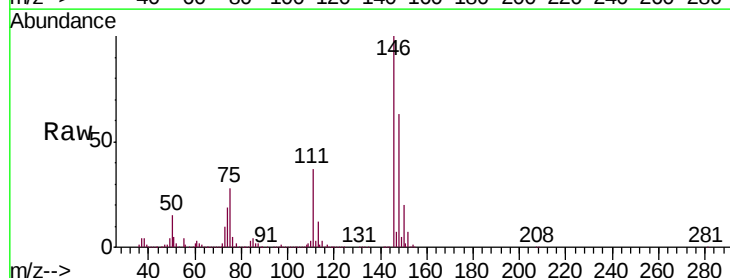
Tgt Ion:146 Resp: 994793

Ion Ratio Lower Upper

146 100

111 37.3 24.9 46.3

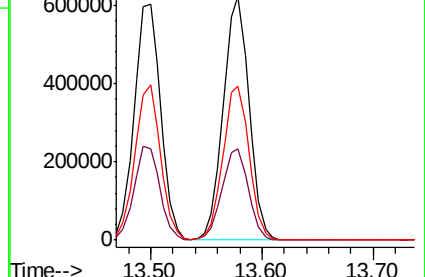
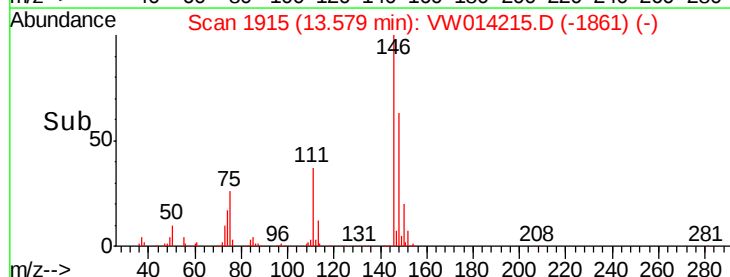
148 63.5 43.9 81.5

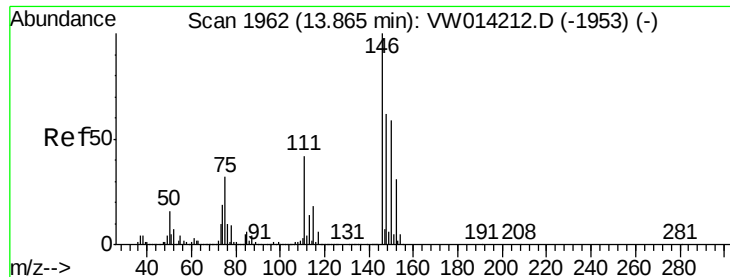


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

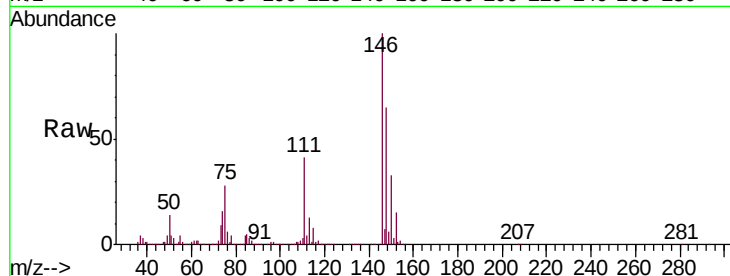




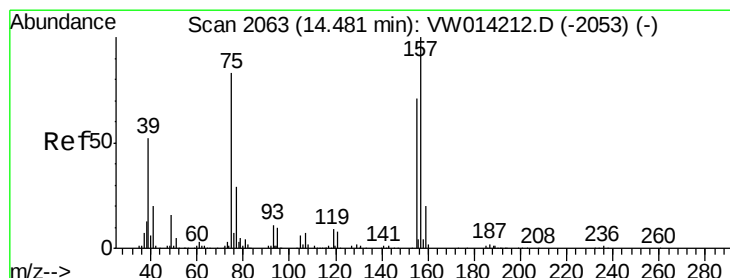
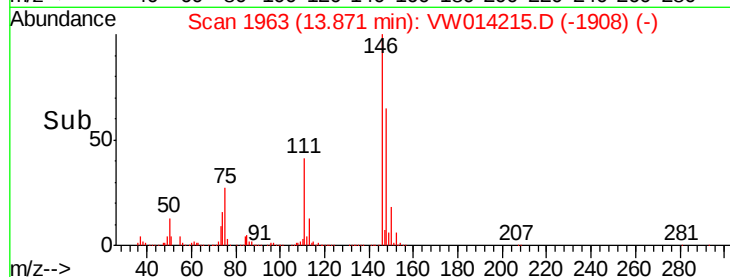
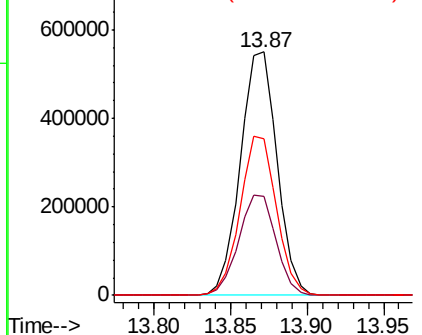
#65
 1,2-Dichlorobenzene
 Concen: 25.362 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.01 min
 Lab File: VW014215.D
 Acq: 05 Dec 2019 15:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VICV06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	30.5	45.7
148	64.5	49.4	74.2

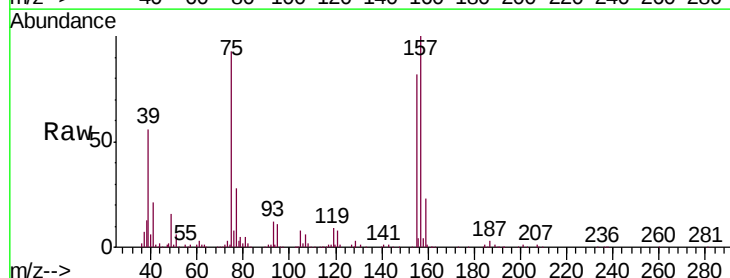


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

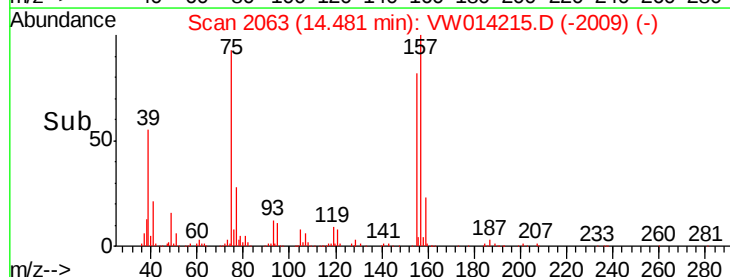
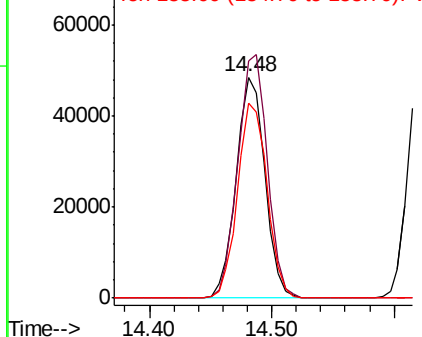


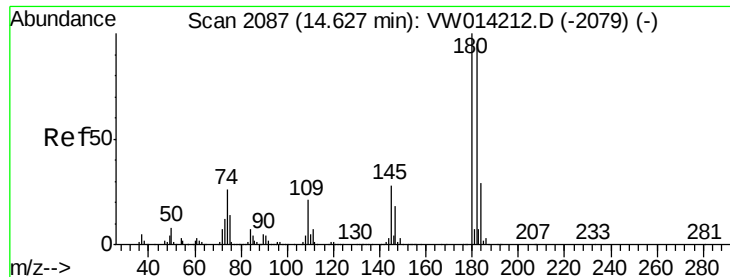
#66
 1,2-Dibromo-3-chloropropane
 Concen: 28.289 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW014215.D
 Acq: 05 Dec 2019 15:26

Tgt Ion	Ratio	Lower	Upper
75	100		
157	107.6	96.9	145.3
155	88.5	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

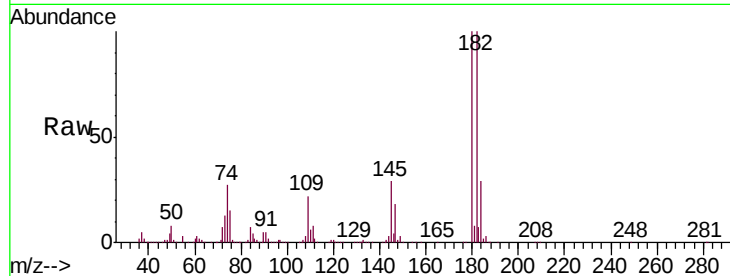




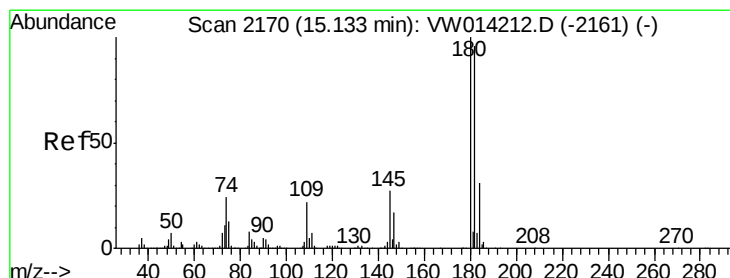
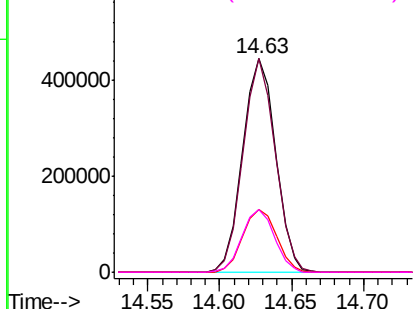
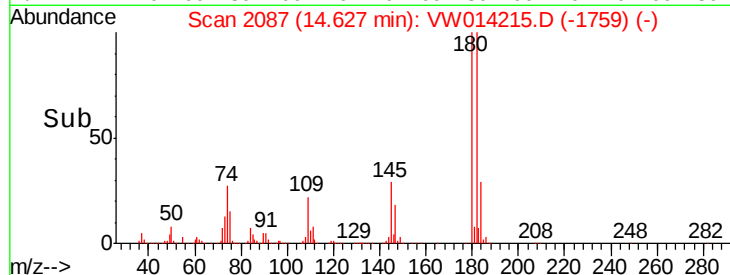
#67
 1,3,5-Trichlorobenzene
 Concen: 25.210 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW014215.D
 Acq: 05 Dec 2019 15:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VICV06

Tgt Ion:	180	Resp:	705478
Ion	Ratio	Lower	Upper
180	100		
182	96.7	76.2	114.2
184	30.1	24.3	36.5
145	28.9	21.9	32.9

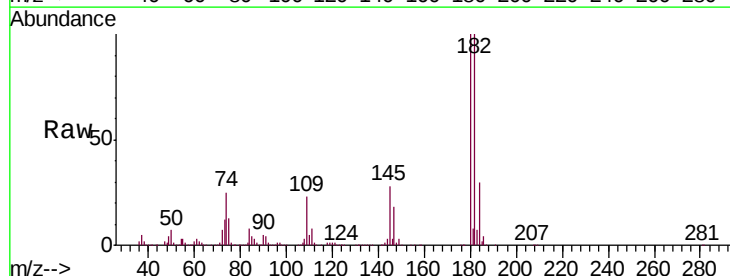


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

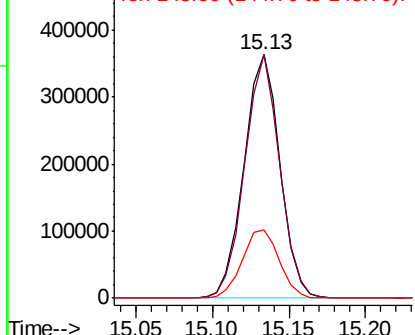
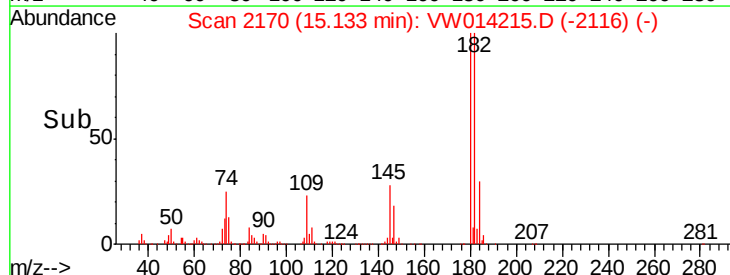


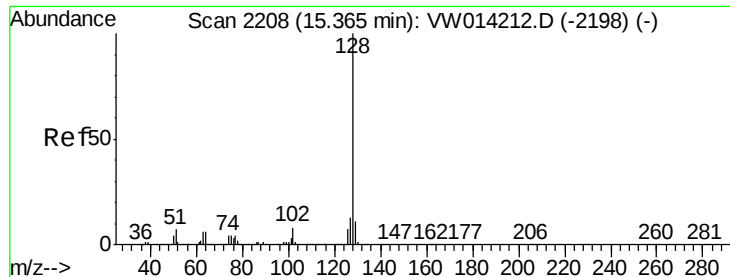
#68
 1,2,4-trichlorobenzene
 Concen: 27.244 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW014215.D
 Acq: 05 Dec 2019 15:26

Tgt Ion:	180	Resp:	594349
Ion	Ratio	Lower	Upper
180	100		
182	97.1	75.8	113.8
145	28.8	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: 31.113 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW014215.D

Acq: 05 Dec 2019 15:26

Instrument :

MSVOA_W

ClientSampleId :

VICV06

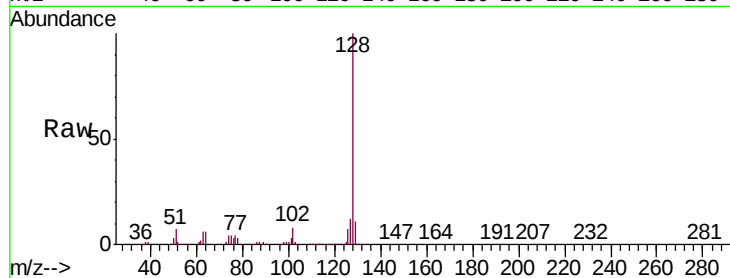
Tgt Ion:128 Resp: 1276424

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

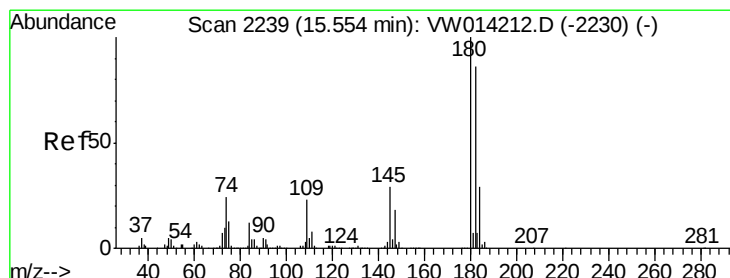
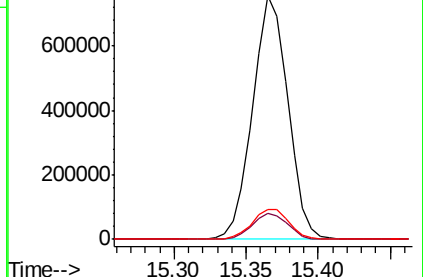
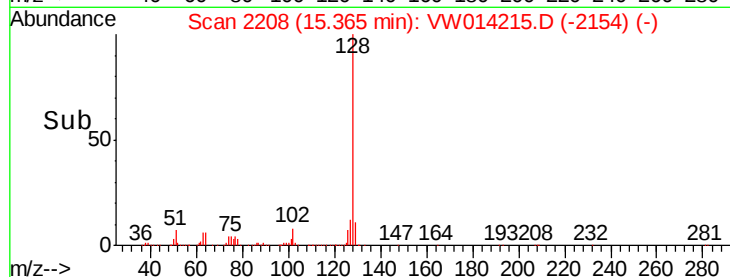
127 13.0 10.4 15.6



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: 27.729 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW014215.D

Acq: 05 Dec 2019 15:26

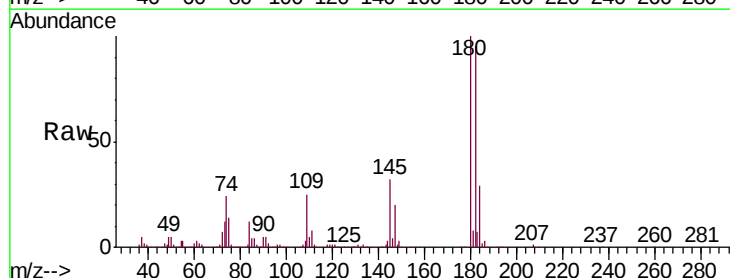
Tgt Ion:180 Resp: 567274

Ion Ratio Lower Upper

180 100

182 95.1 75.8 113.6

145 30.4 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

