

Data File : VW013891.D
Acq On : 01 Nov 2019 11:02
Operator : SY/VA
Sample : VSTD00516
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD00506

Quant Time: Nov 01 12:24:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110119S.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 01 12:21:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	301811	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	299593	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	177444	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	23178	5.04	ug/L	0.00
7) Chloroethane-d5	2.89	69	18298	5.09	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	46990	5.11	ug/L	0.00
20) 2-Butanone-d5	7.07	46	15860	9.82	ug/L	0.00
24) Chloroform-d	7.65	84	46885	5.08	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	25051	4.99	ug/L	0.00
29) Benzene-d6	8.27	84	96397	4.97	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	29370	5.05	ug/L	0.00
37) Toluene-d8	10.32	98	90869	4.90	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	13189	4.96	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	11571	8.64	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	25426	4.81	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	34742	5.08	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	14862	4.454 ug/L	98
3) Chloromethane	2.21	50	17442	4.862 ug/L	99
5) Vinyl chloride	2.36	62	26482	5.206 ug/L	98
6) Bromomethane	2.78	94	16694	5.209 ug/L	99
8) Chloroethane	2.92	64	14243	4.959 ug/L	93
9) Trichlorofluoromethane	3.26	101	12102	5.457 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	25516	5.121 ug/L	99
12) 1,1-Dichloroethene	4.04	96	25349	5.073 ug/L	94
13) Acetone	4.12	43	18185	12.033 ug/L	96
14) Carbon disulfide	4.39	76	68078	4.687 ug/L	98
15) Methyl Acetate	4.67	43	13271	4.769 ug/L #	87
16) Methylene chloride	4.92	84	28545	4.838 ug/L	90
17) Methyl tert-butyl Ether	5.43	73	31712	5.097 ug/L	97
18) trans-1,2-Dichloroethene	5.42	96	26657	5.093 ug/L	93
19) 1,1-Dichloroethane	6.22	63	45539	5.086 ug/L	96
21) 2-Butanone	7.17	43	22183	10.229 ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	26934	4.807 ug/L	92
23) Bromochloromethane	7.51	128	7556	2.889 ug/L #	84
25) Chloroform	7.68	83	46225	5.143 ug/L	99
27) 1,2-Dichloroethane	8.40	62	30856	5.220 ug/L	99
30) Cyclohexane	7.95	56	41370	4.811 ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	35834	5.219 ug/L	100
32) Carbon tetrachloride	8.07	117	33795	4.945 ug/L	97
34) Benzene	8.32	78	105323	5.070 ug/L	100
35) Trichloroethene	9.09	95	27704	5.053 ug/L	99
36) Methylcyclohexane	9.34	83	46697	4.920 ug/L	99
40) 1,2-Dichloropropane	9.37	63	26265	5.118 ug/L	97
41) Bromodichloromethane	9.64	83	32136	4.986 ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	39786	4.938 ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	36100	9.116 ug/L	99

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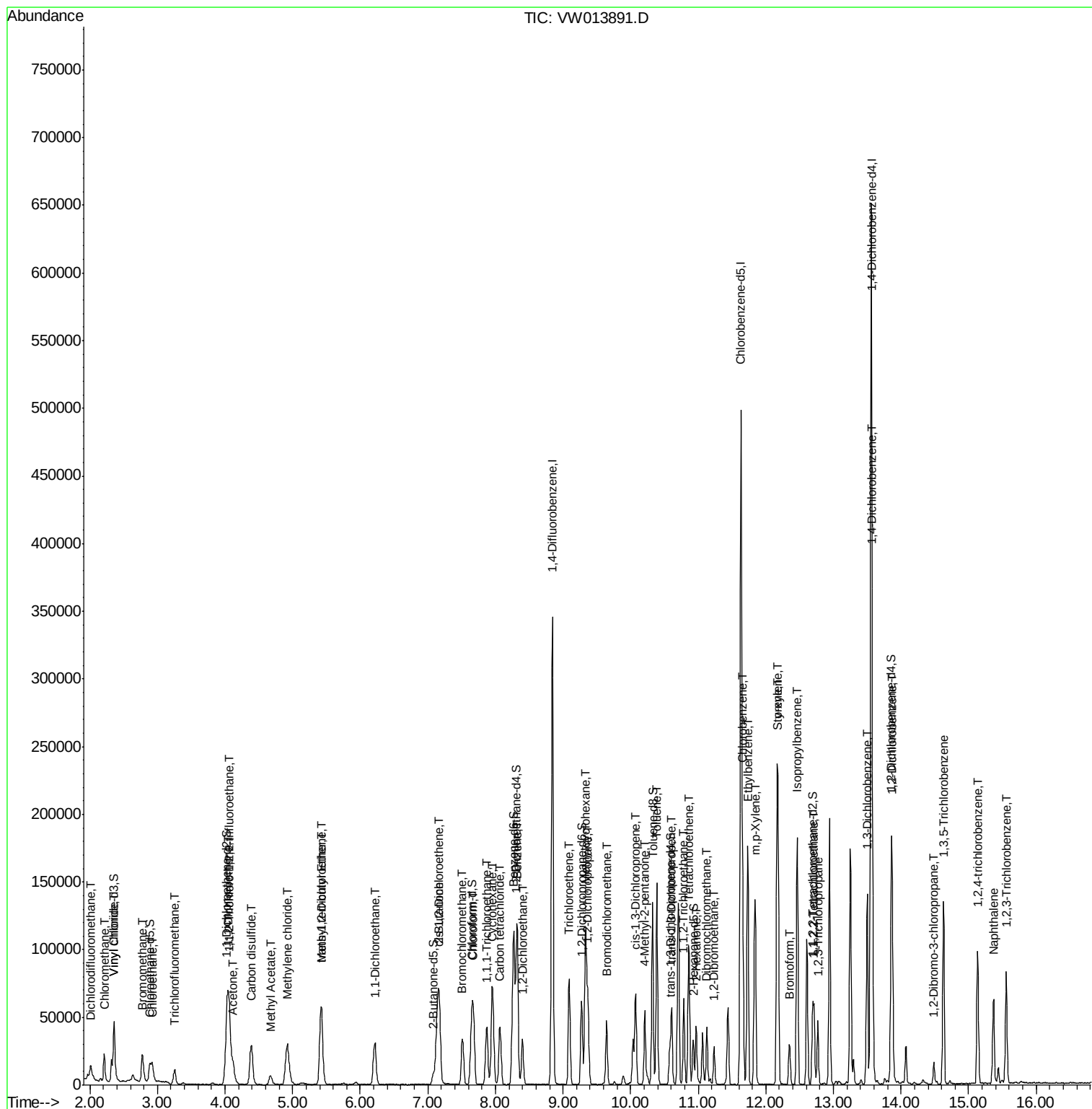
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	110442	4.923	ug/L	95
45) trans-1,3-Dichloropropene	10.60	75	31658	4.818	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	20568	4.970	ug/L	95
47) Tetrachloroethene	10.86	164	25798	5.239	ug/L	97
49) 2-Hexanone	10.97	43	27458	9.689	ug/L	99
50) Dibromochloromethane	11.13	129	23203	4.823	ug/L	98
51) 1,2-Dibromoethane	11.23	107	20092	4.961	ug/L	89
52) Chlorobenzene	11.66	112	73573	5.058	ug/L	96
53) Ethylbenzene	11.73	91	125784	5.080	ug/L	99
54) m,p-Xylene	11.83	106	47328	4.885	ug/L	100
55) o-xylene	12.16	106	44671	4.899	ug/L	98
56) Styrene	12.18	104	76172	4.869	ug/L	100
57) Isopropylbenzene	12.46	105	120602	4.942	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	25301	4.870	ug/L #	95
59) 1,2,3-Trichloropropane	12.77	75	18938	4.784	ug/L	96
62) Bromoform	12.35	173	15266	4.945	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	60911	5.259	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	60676	5.165	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	54205	5.064	ug/L	94
66) 1,2-Dibromo-3-chloropropan	14.48	75	4060	4.799	ug/L	90
67) 1,3,5-Trichlorobenzene	14.63	180	44132	4.953	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	34239	4.791	ug/L	96
69) Naphthalene	15.37	128	56397	4.102	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	32234	4.879	ug/L	99

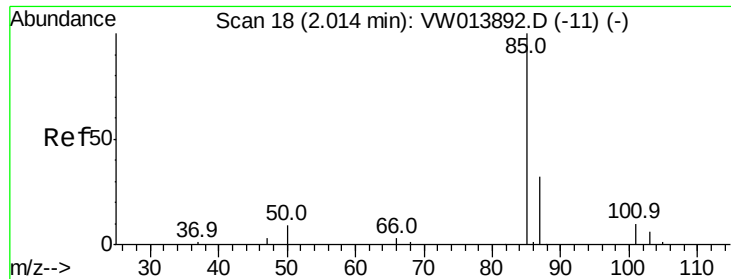
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.454 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW013891.D

Acq: 01 Nov 2019 11:02

Instrument :

MSVOA_W

ClientSampleId :

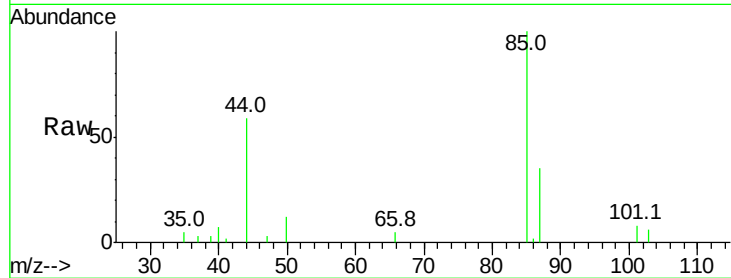
VSTD00506

Tgt Ion: 85 Resp: 14862

Ion Ratio Lower Upper

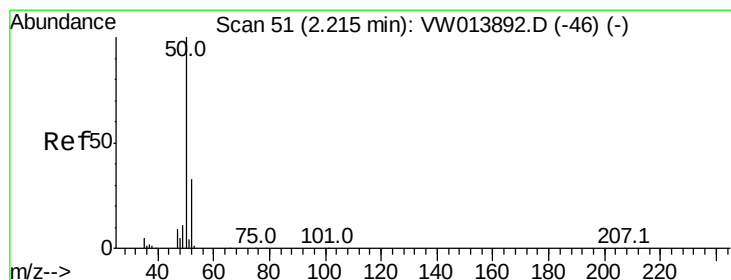
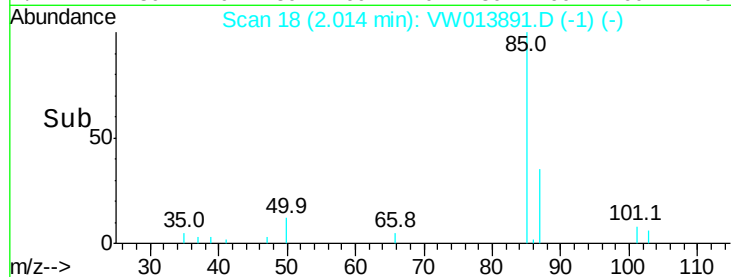
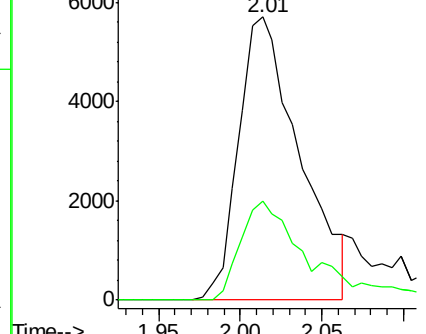
85 100

87 29.8 21.6 40.2



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 4.862 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW013891.D

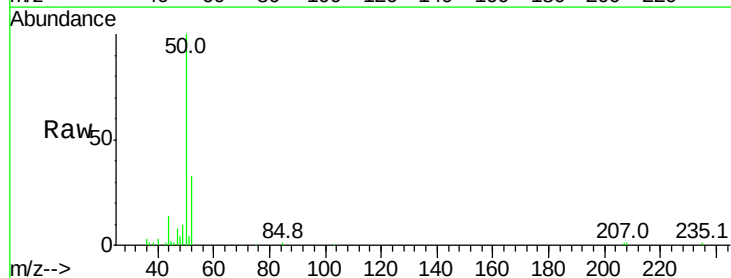
Acq: 01 Nov 2019 11:02

Tgt Ion: 50 Resp: 17442

Ion Ratio Lower Upper

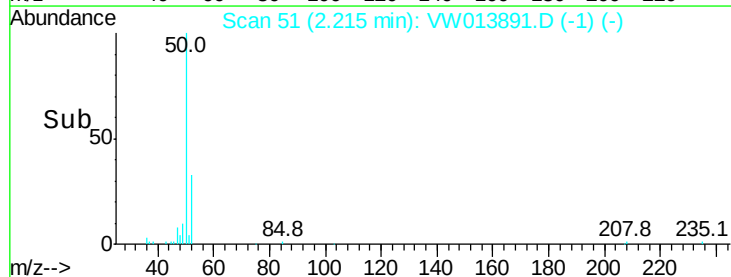
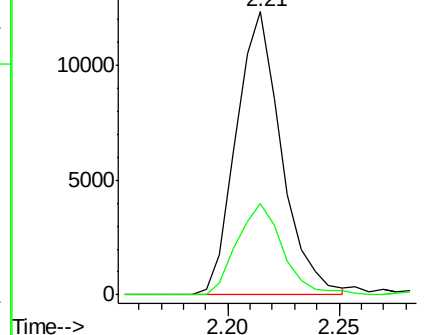
50 100

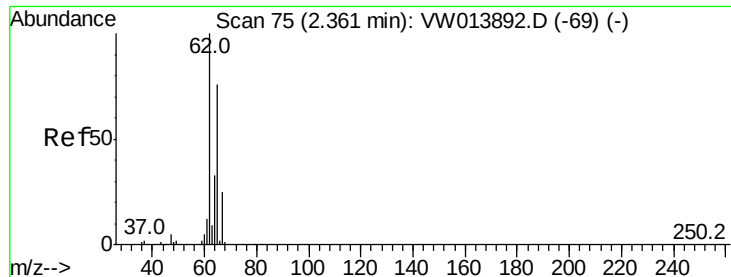
52 32.5 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 5.206 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW013891.D

Acq: 01 Nov 2019 11:02

Instrument :

MSVOA_W

ClientSampleId :

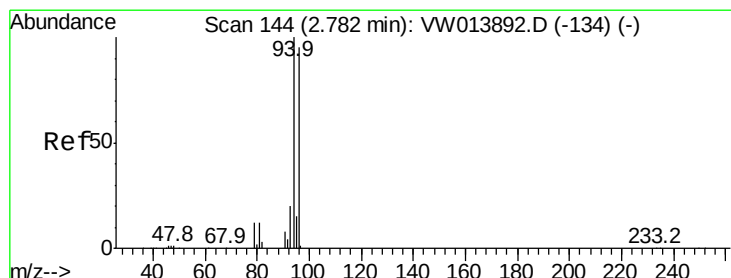
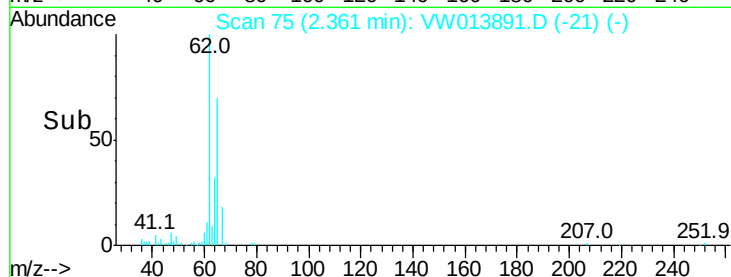
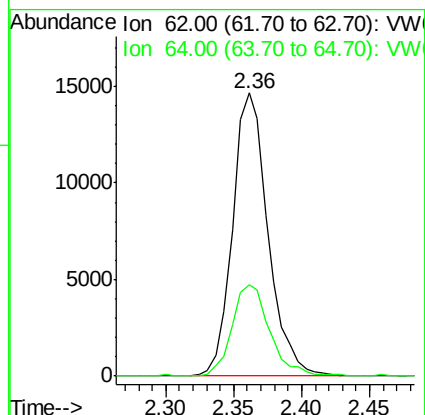
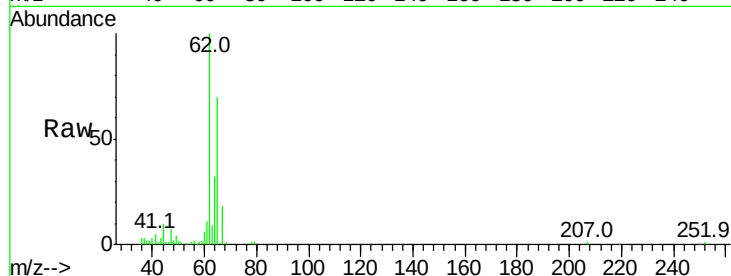
VSTD00506

Tgt Ion: 62 Resp: 26482

Ion Ratio Lower Upper

62 100

64 32.1 23.3 43.3



#6

Bromomethane

Concen: 5.209 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW013891.D

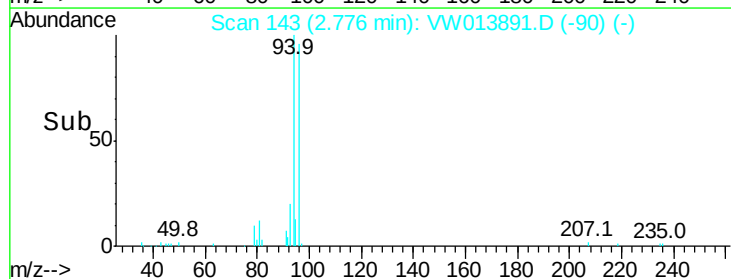
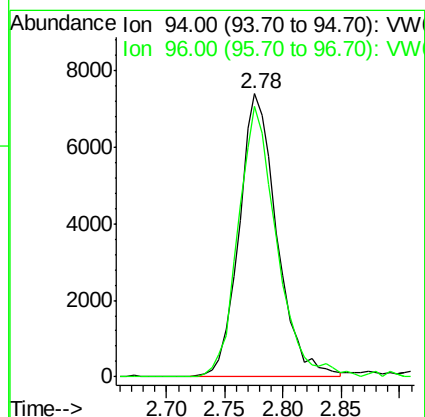
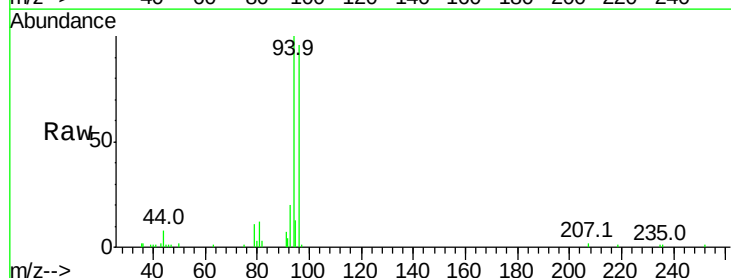
Acq: 01 Nov 2019 11:02

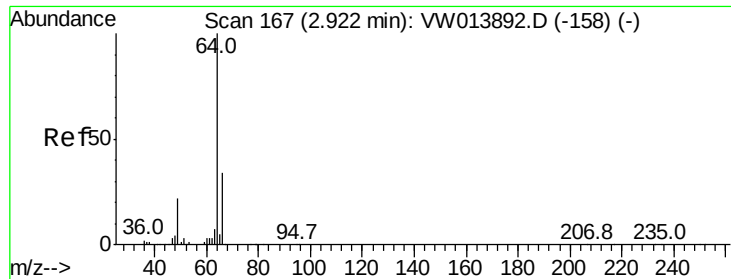
Tgt Ion: 94 Resp: 16694

Ion Ratio Lower Upper

94 100

96 95.4 9.5 179.7





#8

Chloroethane

Concen: 4.959 ug/L

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW013891.D

Acq: 01 Nov 2019 11:02

Instrument :

MSVOA_W

ClientSampleId :

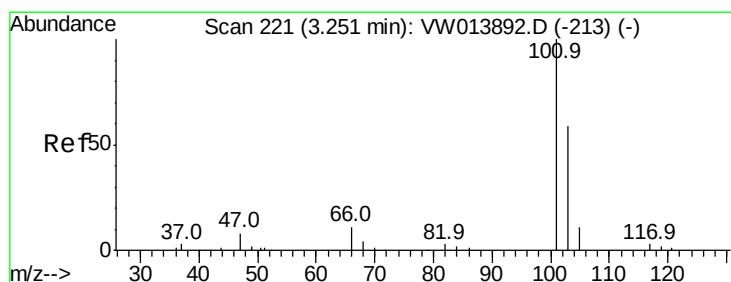
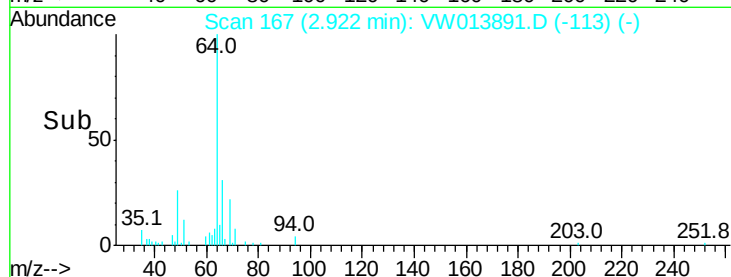
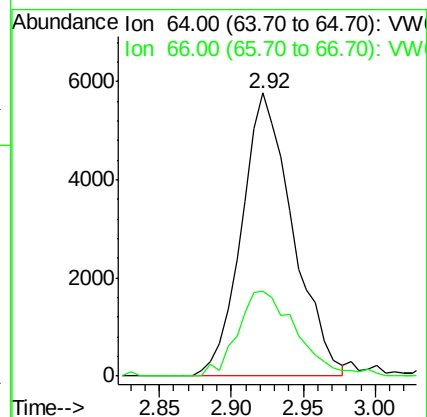
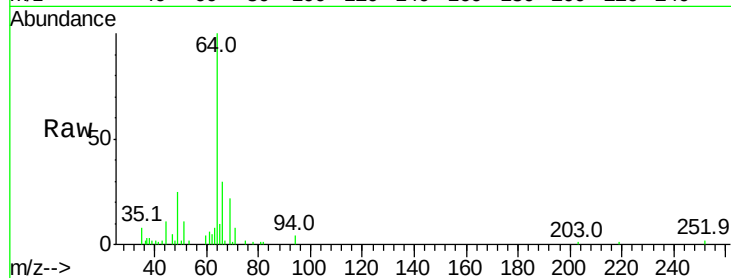
VSTD00506

Tgt Ion: 64 Resp: 14243

Ion Ratio Lower Upper

64 100

66 30.2 24.1 44.7



#9

Trichlorofluoromethane

Concen: 5.457 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.01 min

Lab File: VW013891.D

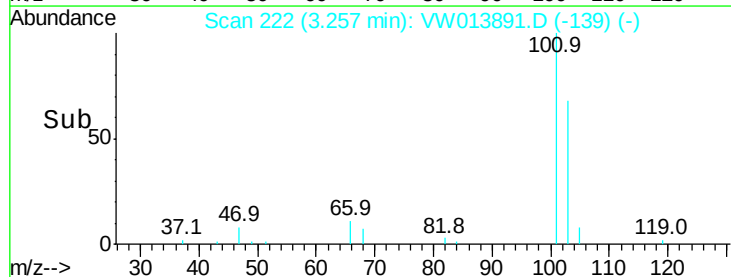
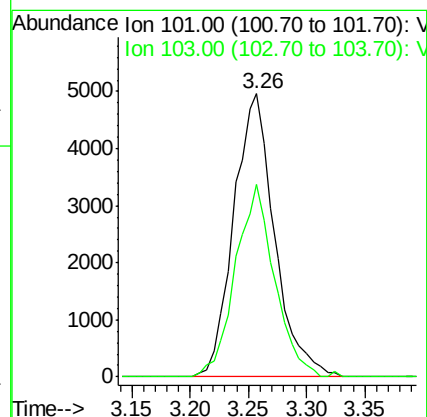
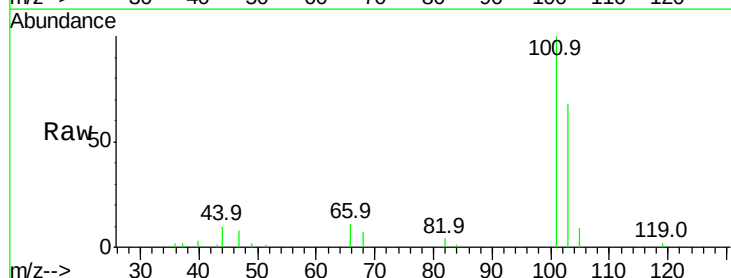
Acq: 01 Nov 2019 11:02

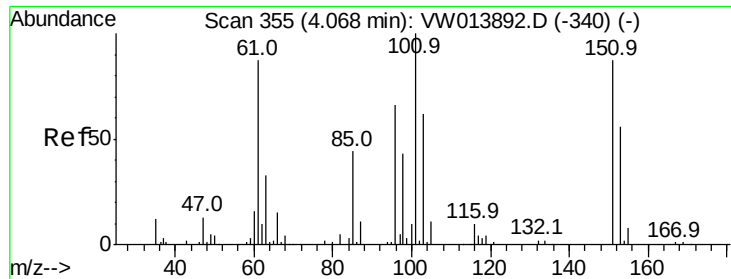
Tgt Ion: 101 Resp: 12102

Ion Ratio Lower Upper

101 100

103 65.0 44.9 83.3





#11

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

Concen: 5.121 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW013891.D

Acq: 01 Nov 2019 11:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD00506

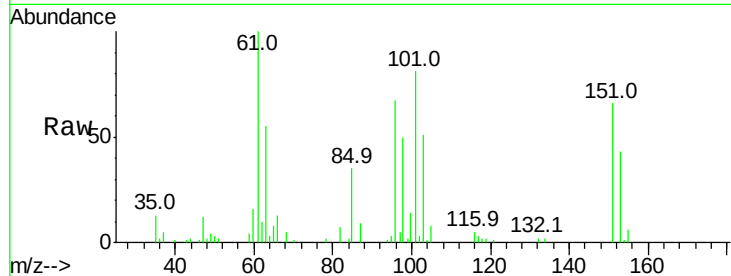
Tgt Ion: 101 Resp: 25516

Ion Ratio Lower Upper

101 100

85 39.1 30.9 46.3

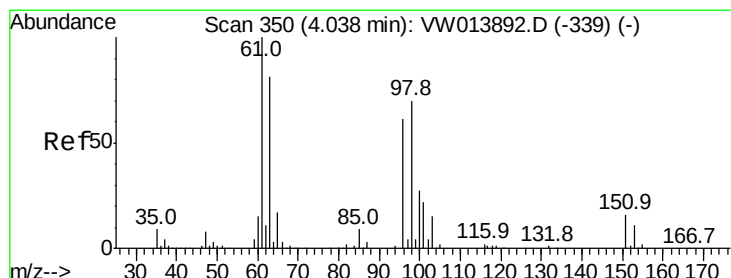
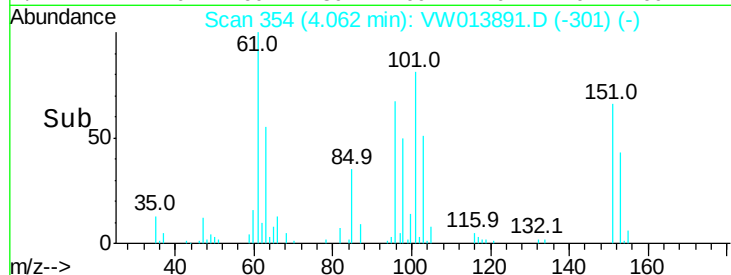
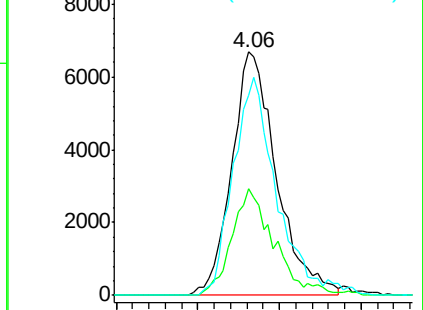
151 83.7 66.3 99.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.073 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW013891.D

Acq: 01 Nov 2019 11:02

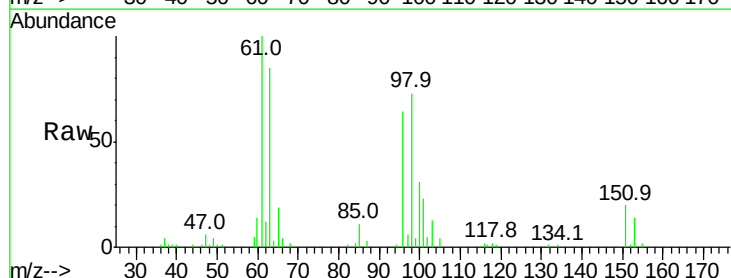
Tgt Ion: 96 Resp: 25349

Ion Ratio Lower Upper

96 100

61 156.2 115.1 213.8

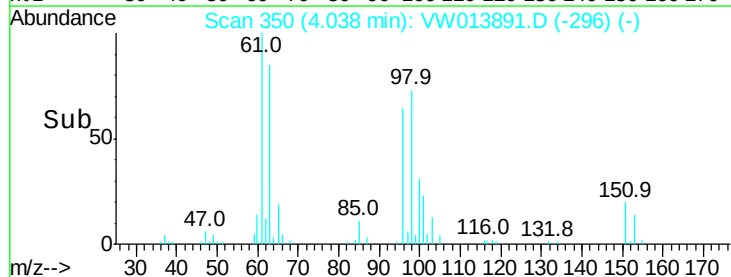
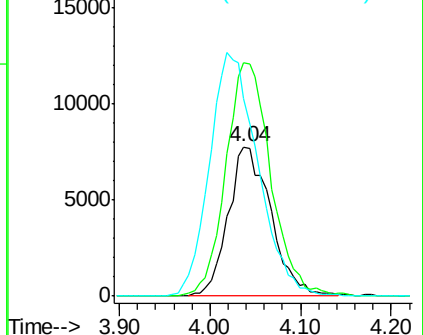
63 132.7 97.4 180.8

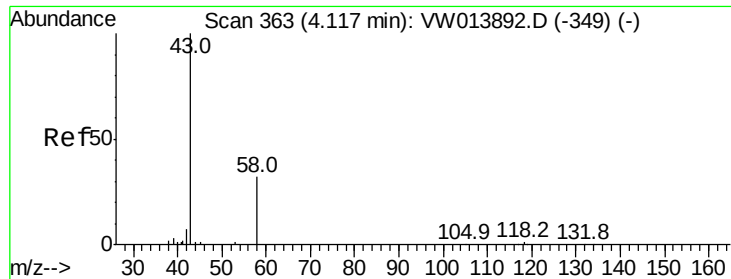


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 12.033 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

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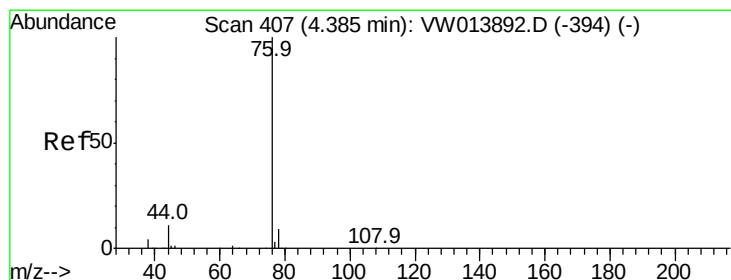
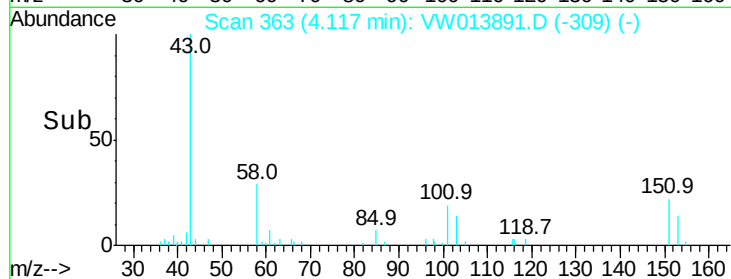
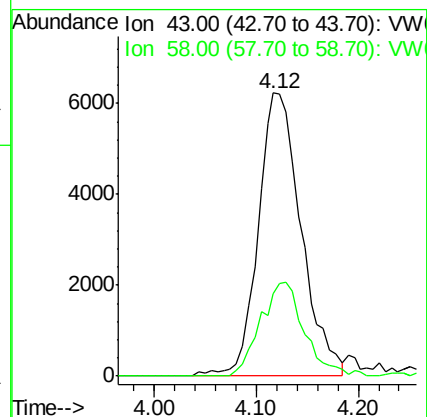
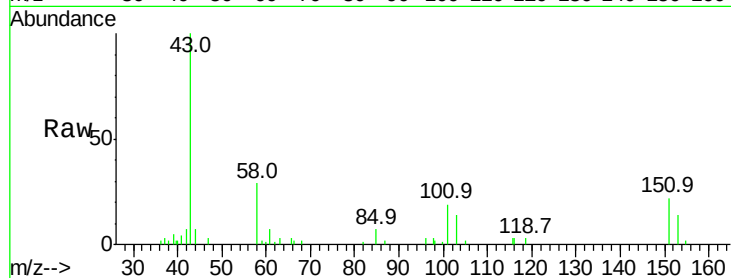
VSTD00506

Tgt Ion: 43 Resp: 18185

Ion Ratio Lower Upper

43 100

58 33.5 0.0 62.8



#14

Carbon disulfide

Concen: 4.687 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW013891.D

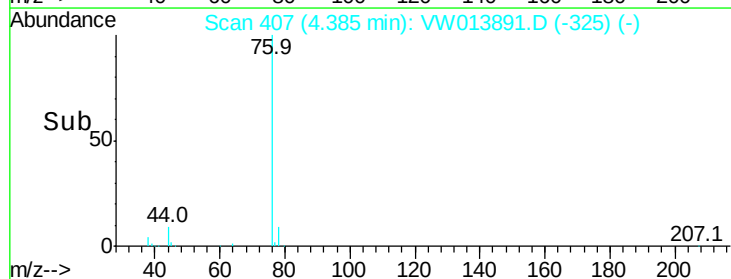
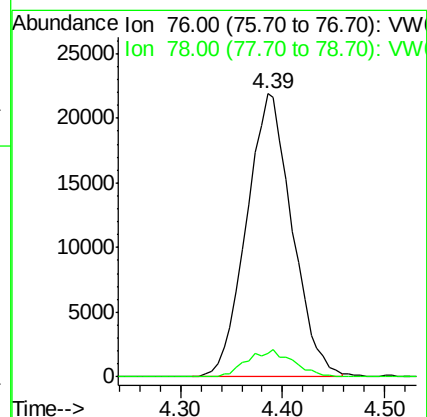
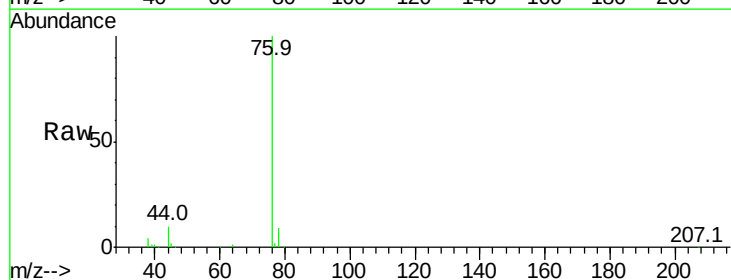
Acq: 01 Nov 2019 11:02

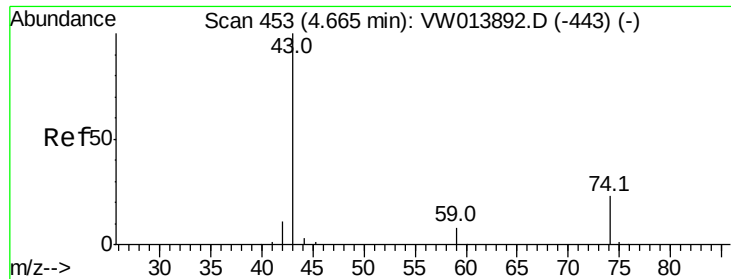
Tgt Ion: 76 Resp: 68078

Ion Ratio Lower Upper

76 100

78 8.5 7.3 10.9





#15

Methyl Acetate

Concen: 4.769 ug/L

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW013891.D

Acq: 01 Nov 2019 11:02

Instrument :

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ClientSampleId :

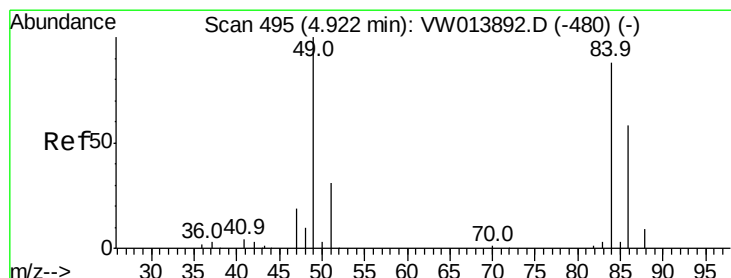
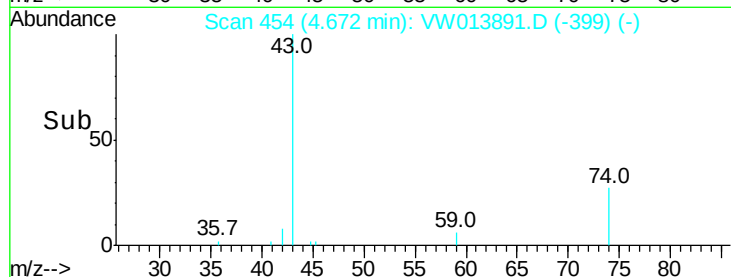
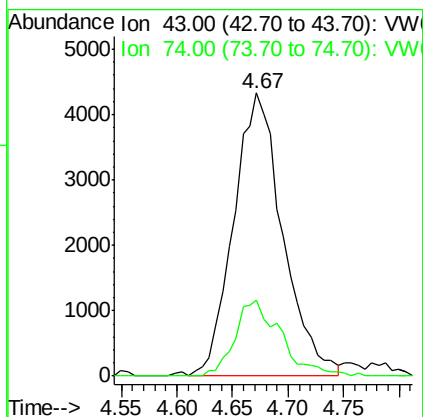
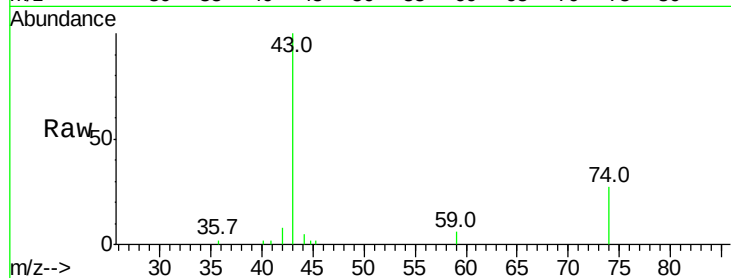
VSTD00506

Tgt Ion: 43 Resp: 13271

Ion Ratio Lower Upper

43 100

74 17.5 19.1 28.7#



#16

Methylene chloride

Concen: 4.838 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW013891.D

Acq: 01 Nov 2019 11:02

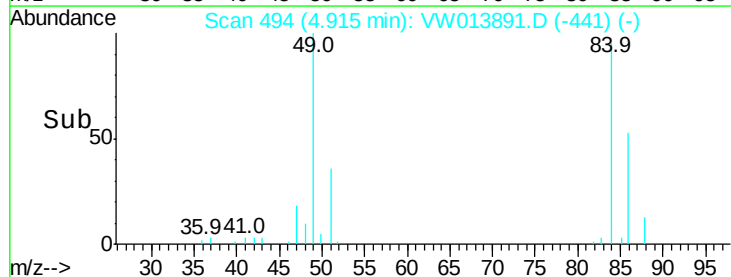
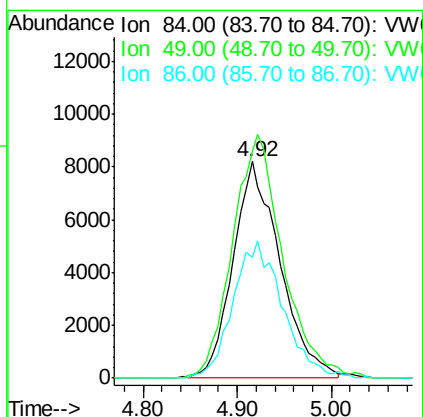
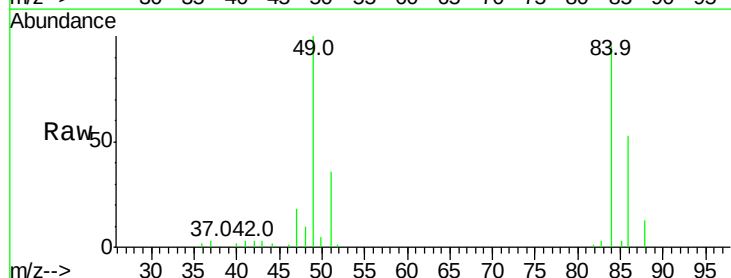
Tgt Ion: 84 Resp: 28545

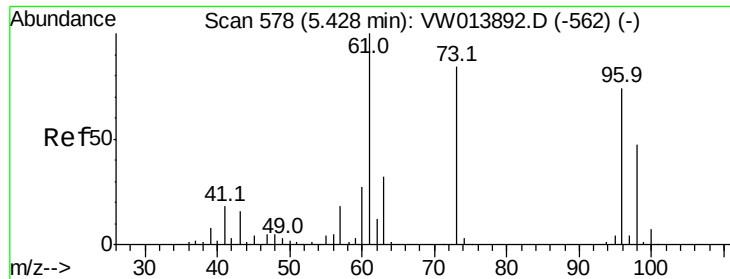
Ion Ratio Lower Upper

84 100

49 105.0 79.7 148.1

86 55.8 46.4 86.2

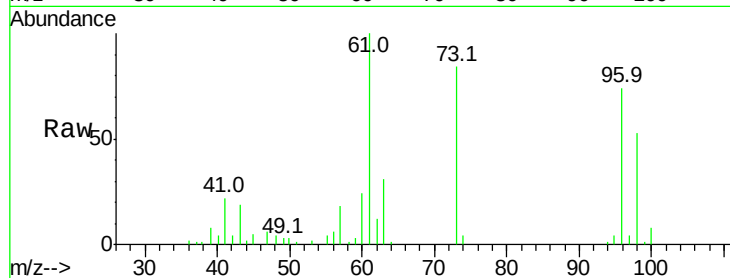




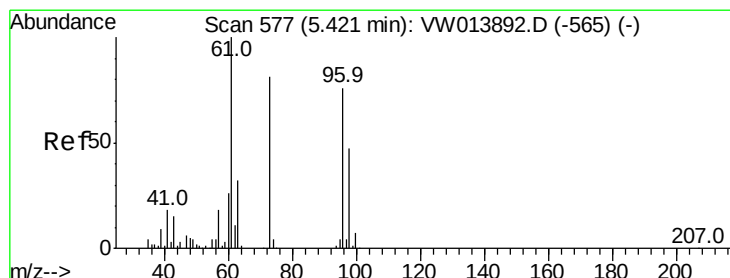
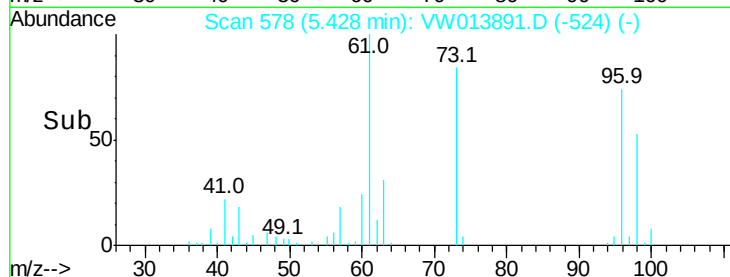
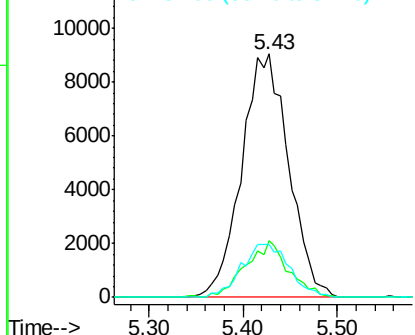
#17
Methyl tert-butyl Ether
Concen: 5.097 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW013891.D
Acq: 01 Nov 2019 11:02

Instrument :
MSVOA_W
ClientSampleId :
VSTD00506

Tgt Ion: 73 Resp: 31712
Ion Ratio Lower Upper
73 100
43 21.0 14.4 21.6
57 22.2 17.8 26.6

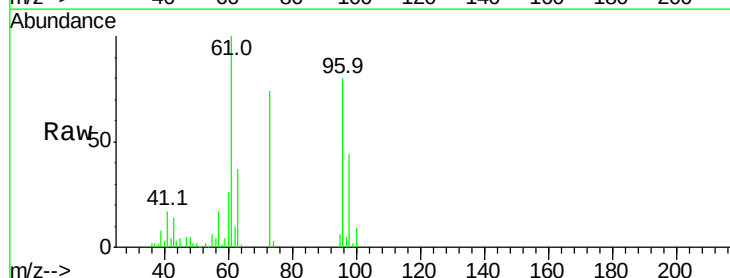


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

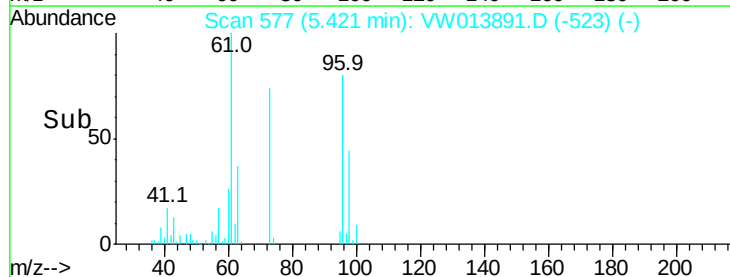
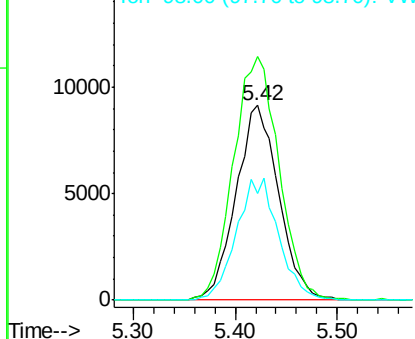


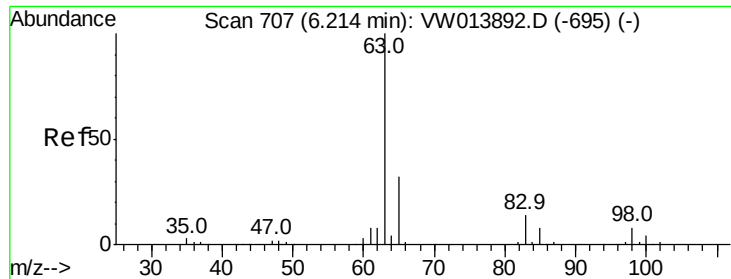
#18
trans-1,2-Dichloroethene
Concen: 5.093 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW013891.D
Acq: 01 Nov 2019 11:02

Tgt Ion: 96 Resp: 26657
Ion Ratio Lower Upper
96 100
61 125.3 92.6 172.0
98 55.1 43.8 81.3



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

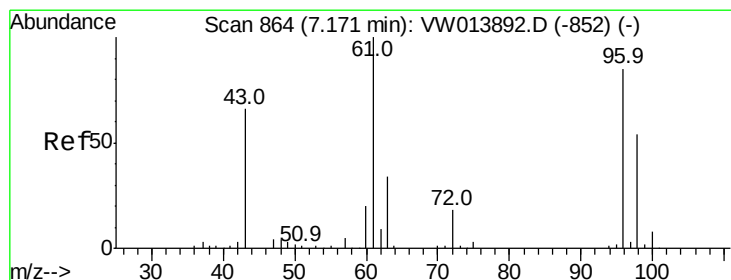
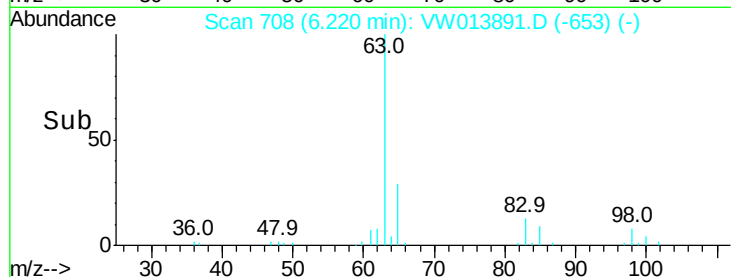
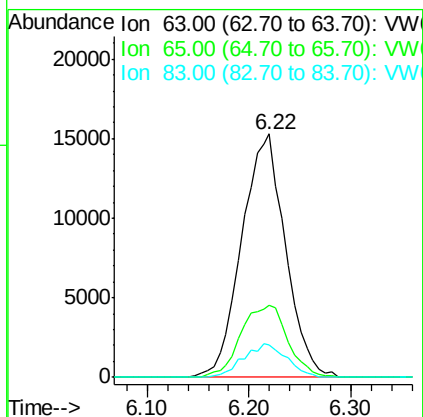
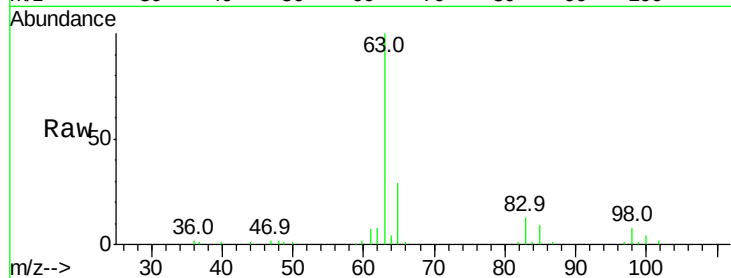




#19
 1,1-Dichloroethane
 Concen: 5.086 ug/L
 RT: 6.22 min Scan# 708
 Delta R.T. 0.01 min
 Lab File: VW013891.D
 Acq: 01 Nov 2019 11:02

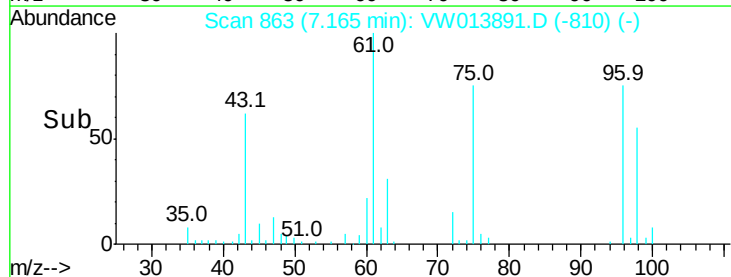
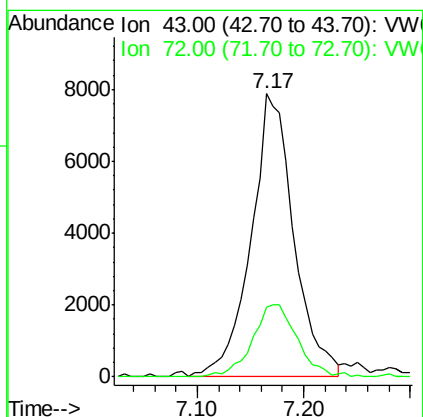
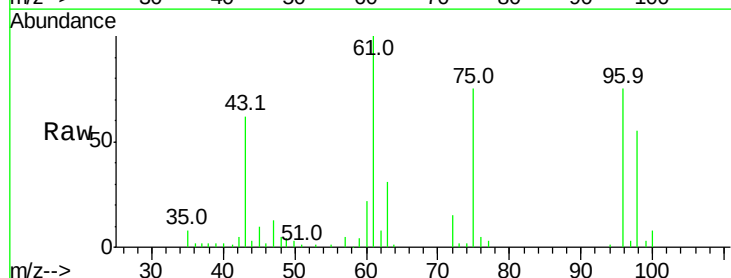
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00506

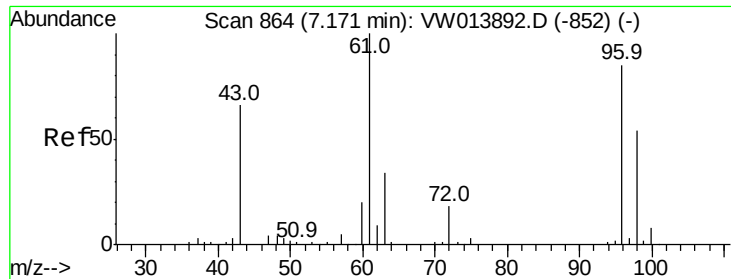
Tgt Ion: 63 Resp: 45539
 Ion Ratio Lower Upper
 63 100
 65 29.4 22.3 41.5
 83 13.3 10.1 18.7



#21
 2-Butanone
 Concen: 10.229 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW013891.D
 Acq: 01 Nov 2019 11:02

Tgt Ion: 43 Resp: 22183
 Ion Ratio Lower Upper
 43 100
 72 26.5 13.6 40.8

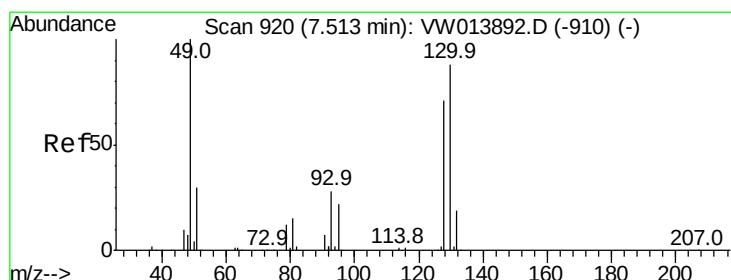
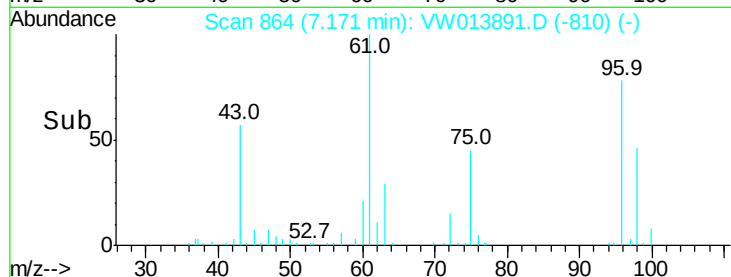
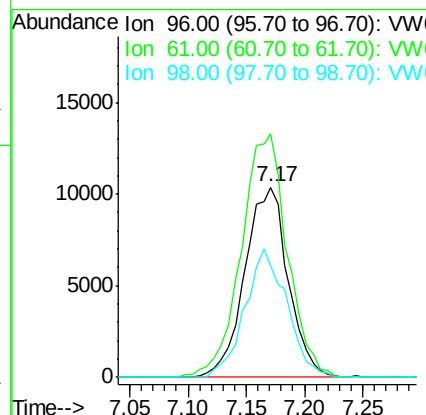
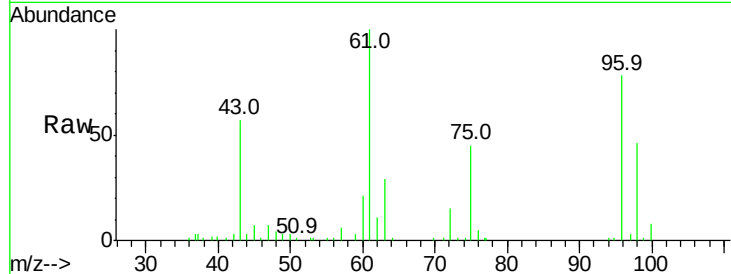




#22
 cis-1,2-Dichloroethene
 Concen: 4.807 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW013891.D
 Acq: 01 Nov 2019 11:02

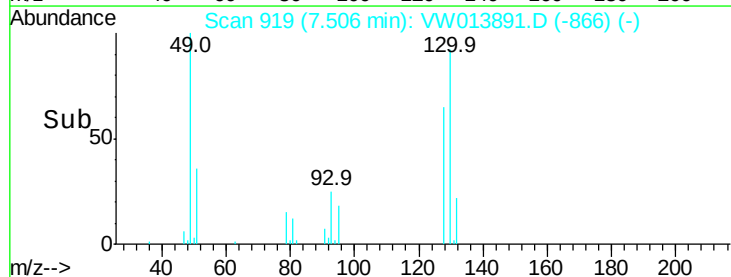
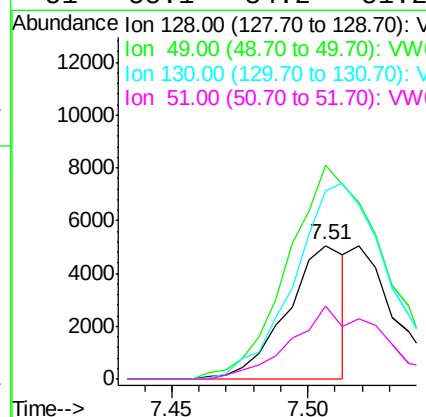
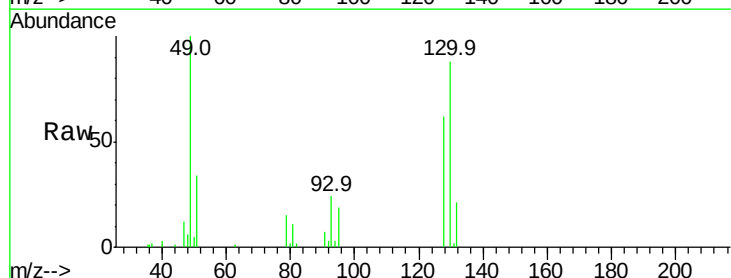
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00506

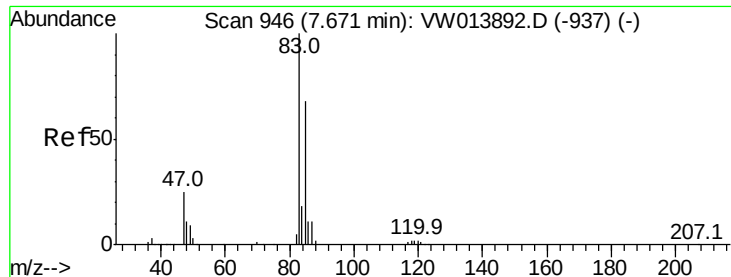
Tgt Ion: 96 Resp: 26934
 Ion Ratio Lower Upper
 96 100
 61 127.8 82.3 152.9
 98 58.7 44.0 81.8



#23
 Bromochloromethane
 Concen: 2.889 ug/L
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW013891.D
 Acq: 01 Nov 2019 11:02

Tgt Ion: 128 Resp: 7556
 Ion Ratio Lower Upper
 128 100
 49 160.1 98.7 183.3
 130 141.3 86.8 161.2
 51 55.1 34.2 51.2#





#25

Chloroform

Concen: 5.143 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.01 min

Lab File: VW013891.D

Acq: 01 Nov 2019 11:02

Instrument :

MSVOA_W

ClientSampleId :

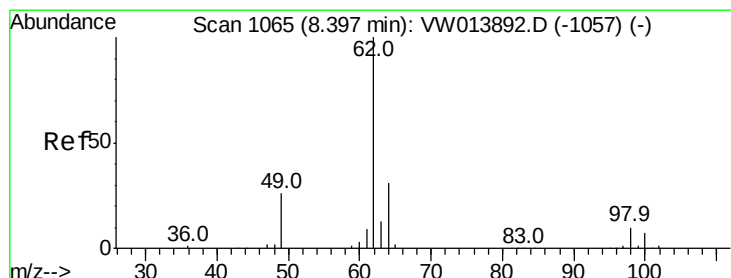
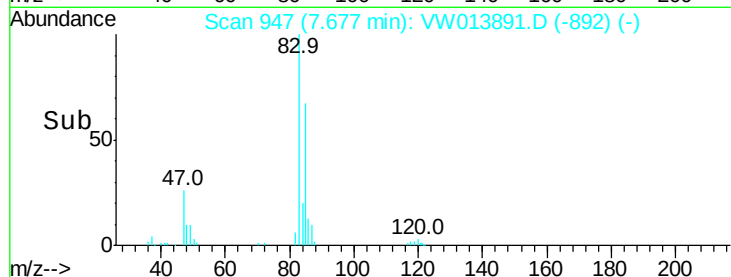
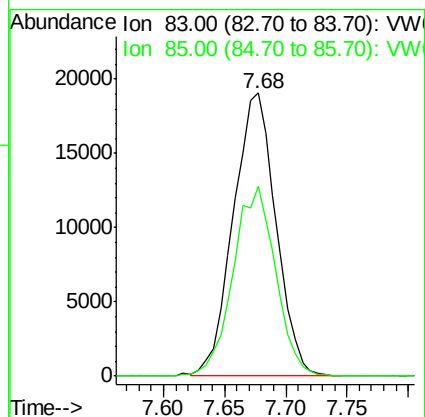
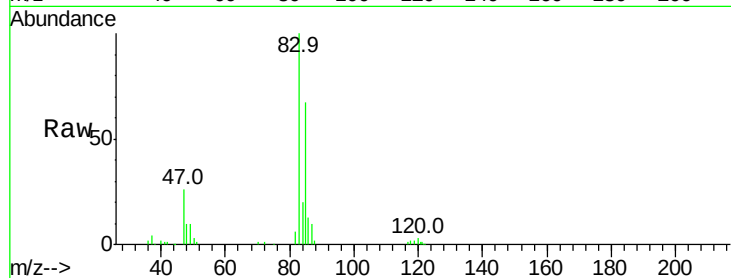
VSTD00506

Tgt Ion: 83 Resp: 46225

Ion Ratio Lower Upper

83 100

85 66.5 46.9 87.1



#27

1,2-Dichloroethane

Concen: 5.220 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. 0.01 min

Lab File: VW013891.D

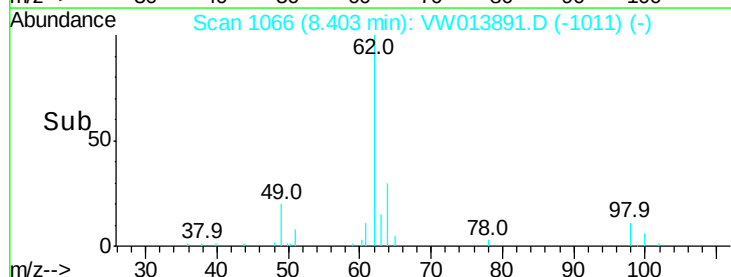
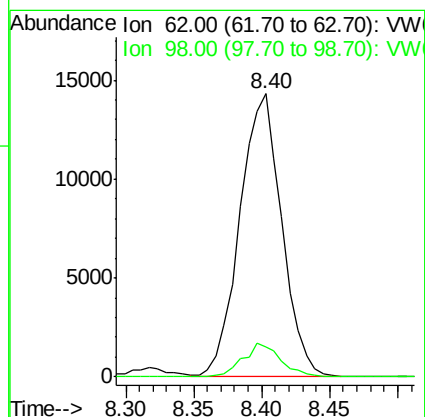
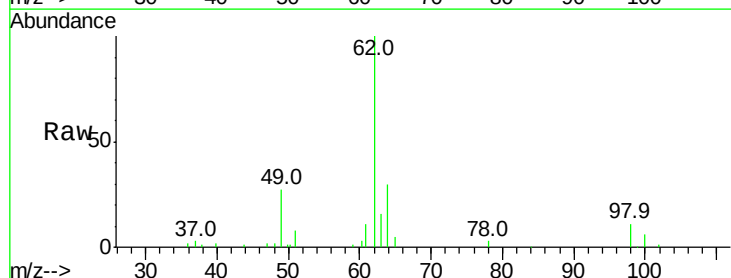
Acq: 01 Nov 2019 11:02

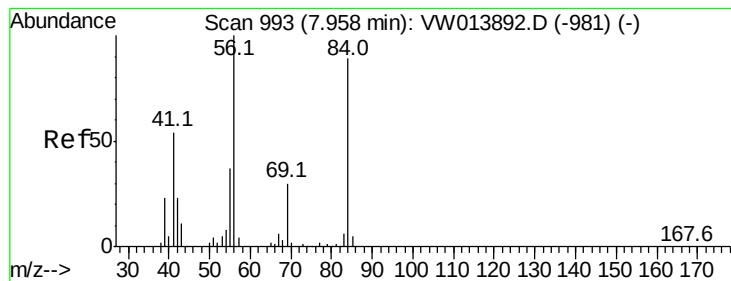
Tgt Ion: 62 Resp: 30856

Ion Ratio Lower Upper

62 100

98 10.5 8.2 12.2





#30

Cyclohexane

Concen: 4.811 ug/L

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW013891.D

Acq: 01 Nov 2019 11:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD00506

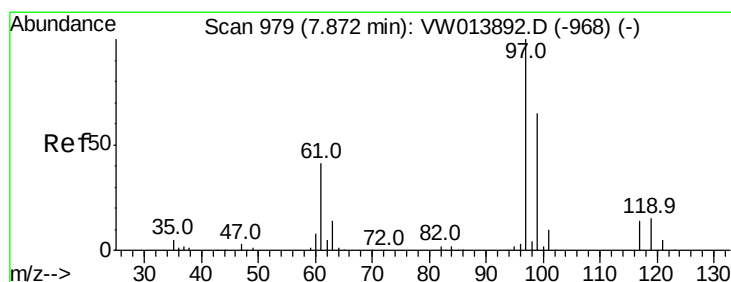
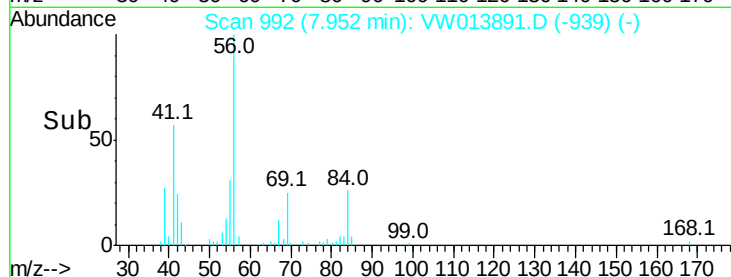
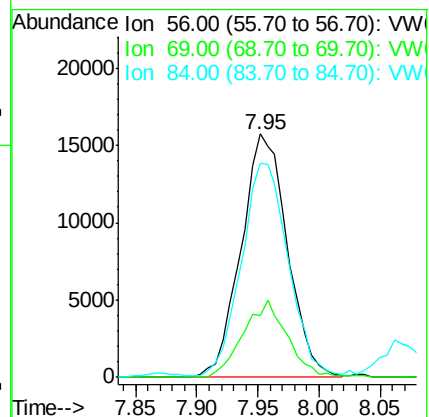
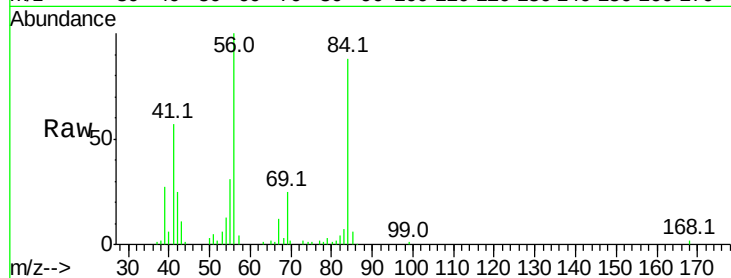
Tgt Ion: 56 Resp: 41370

Ion Ratio Lower Upper

56 100

69 29.9 24.5 36.7

84 89.5 70.6 105.8



#31

1,1,1-Trichloroethane

Concen: 5.219 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW013891.D

Acq: 01 Nov 2019 11:02

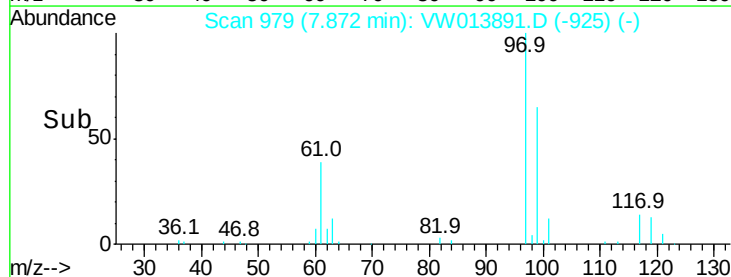
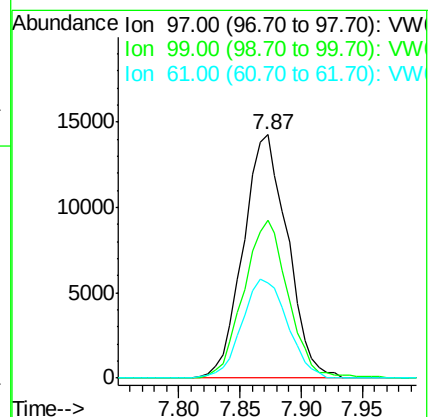
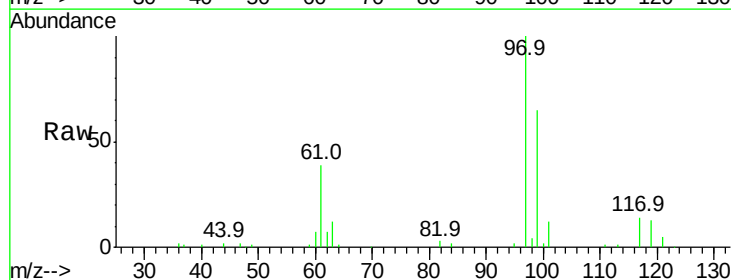
Tgt Ion: 97 Resp: 35834

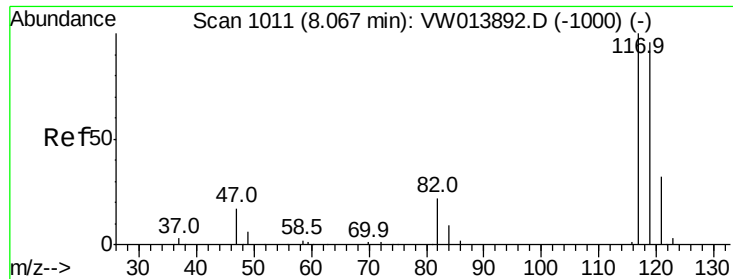
Ion Ratio Lower Upper

97 100

99 64.6 52.0 78.0

61 41.8 33.6 50.4





#32

Carbon tetrachloride

Concen: 4.945 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW013891.D

Acq: 01 Nov 2019 11:02

Instrument :

MSVOA_W

ClientSampleId :

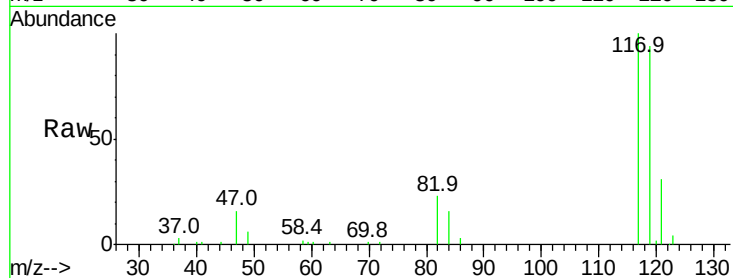
VSTD00506

Tgt Ion:117 Resp: 33795

Ion Ratio Lower Upper

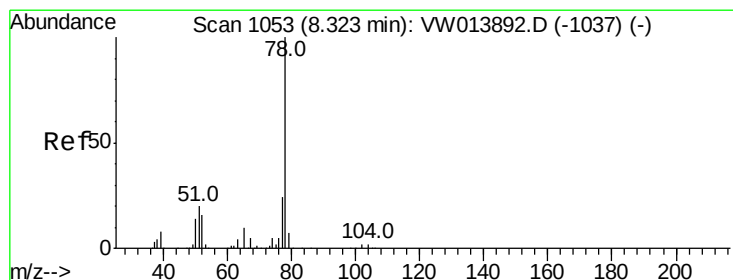
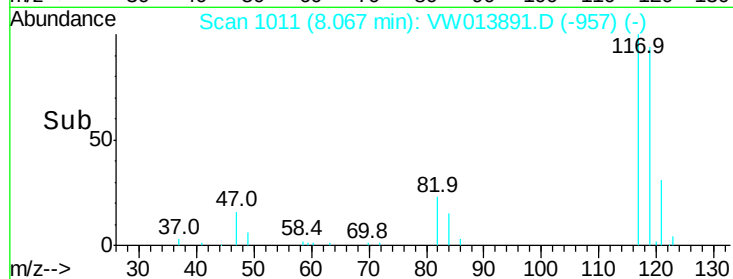
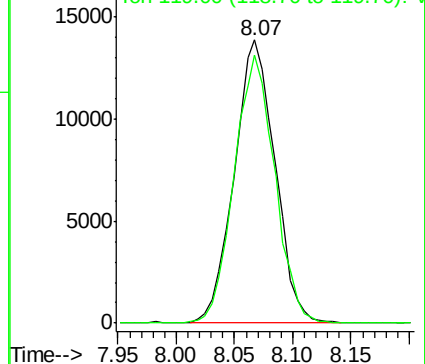
117 100

119 94.2 77.9 116.9



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 5.070 ug/L

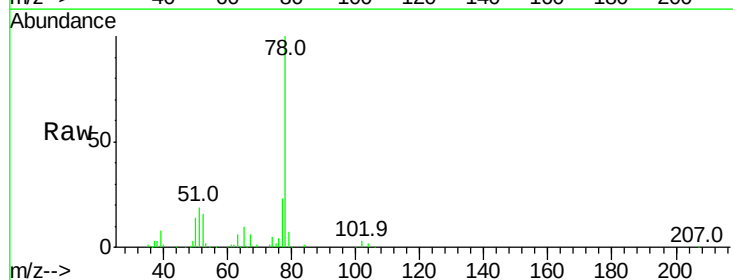
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

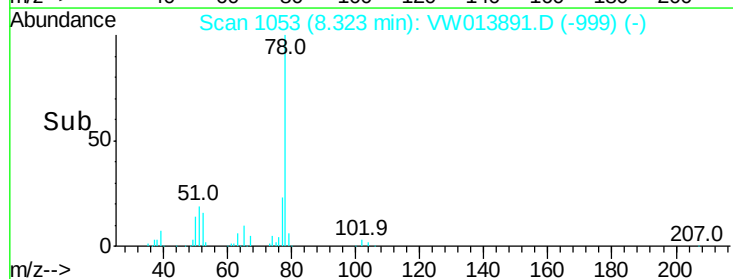
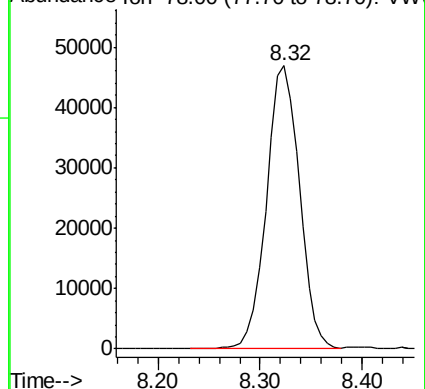
Lab File: VW013891.D

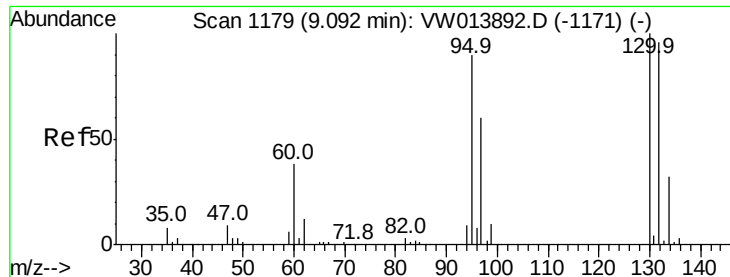
Acq: 01 Nov 2019 11:02

Tgt Ion: 78 Resp: 105323



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 5.053 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW013891.D

Acq: 01 Nov 2019 11:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD00506

Tgt Ion: 95 Resp: 27704

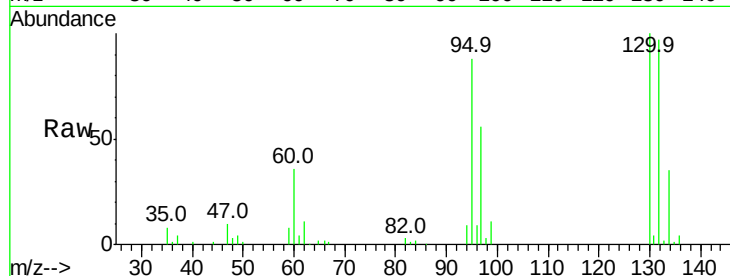
Ion Ratio Lower Upper

95 100

97 62.4 44.9 83.5

132 105.0 73.3 136.1

130 109.5 75.5 140.1

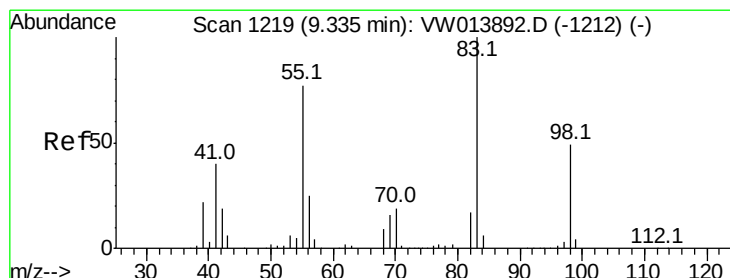
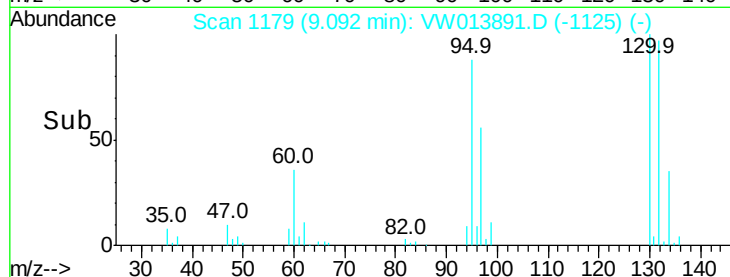
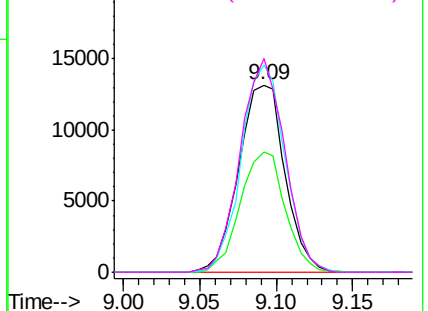


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 4.920 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW013891.D

Acq: 01 Nov 2019 11:02

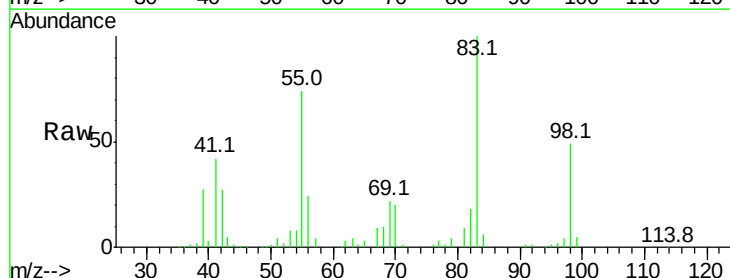
Tgt Ion: 83 Resp: 46697

Ion Ratio Lower Upper

83 100

55 74.5 60.2 90.2

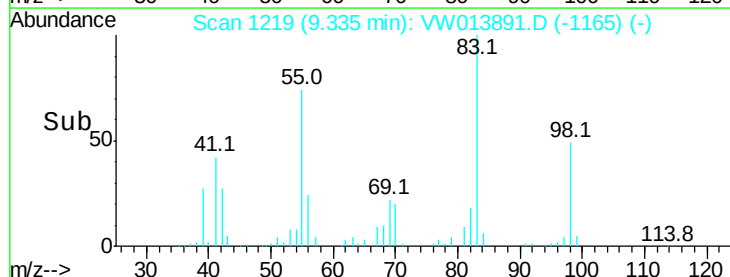
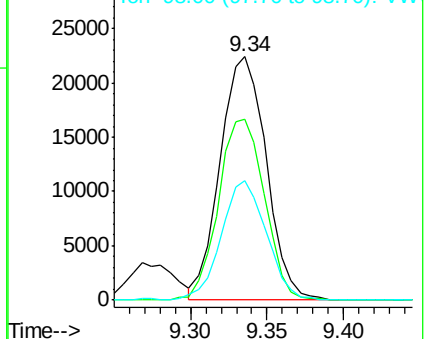
98 48.3 39.2 58.8

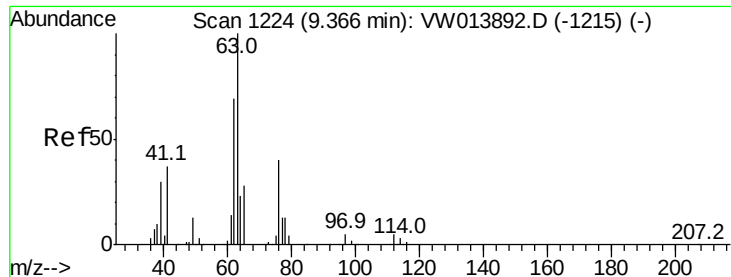


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 5.118 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW013891.D

Acq: 01 Nov 2019 11:02

Instrument :

MSVOA_W

ClientSampleId :

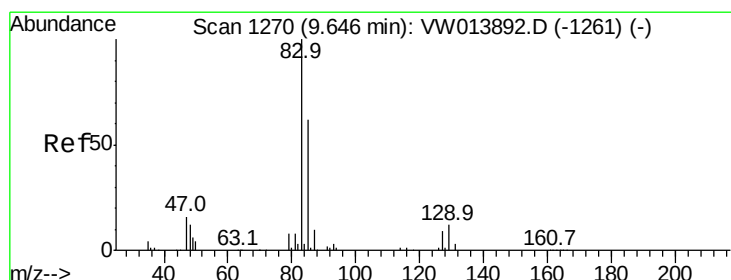
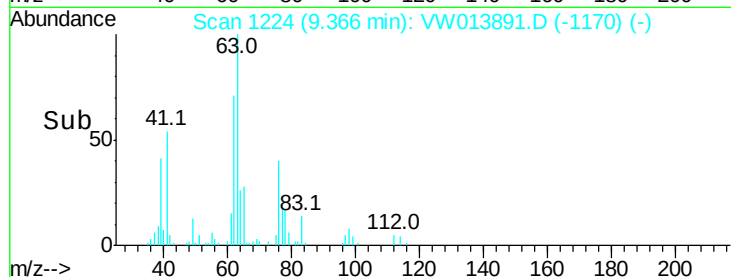
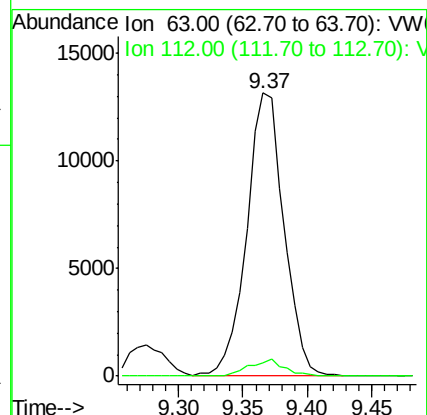
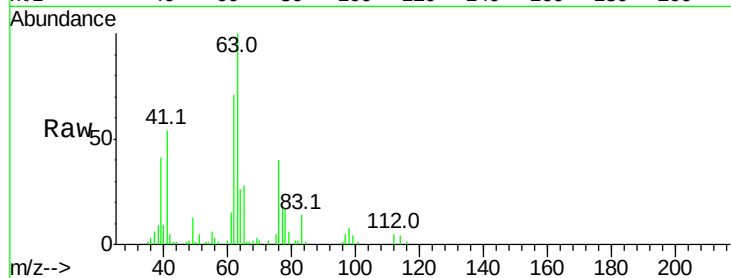
VSTD00506

Tgt Ion: 63 Resp: 26265

Ion Ratio Lower Upper

63 100

112 5.7 3.9 5.9



#41

Bromodichloromethane

Concen: 4.986 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW013891.D

Acq: 01 Nov 2019 11:02

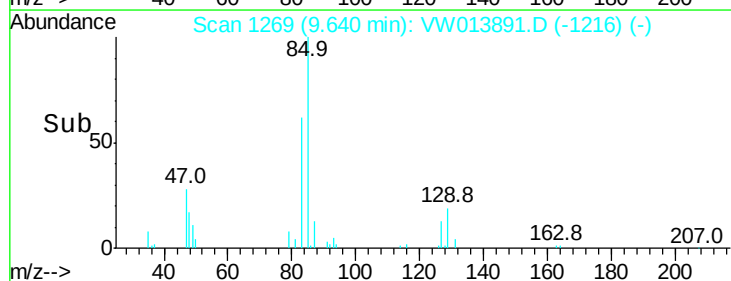
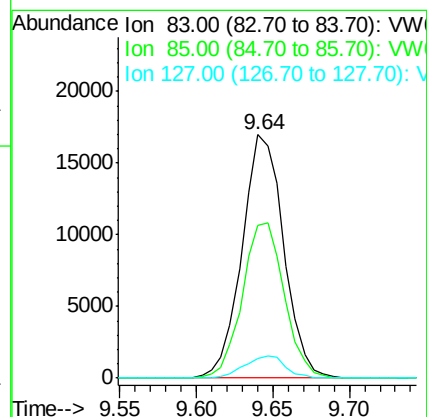
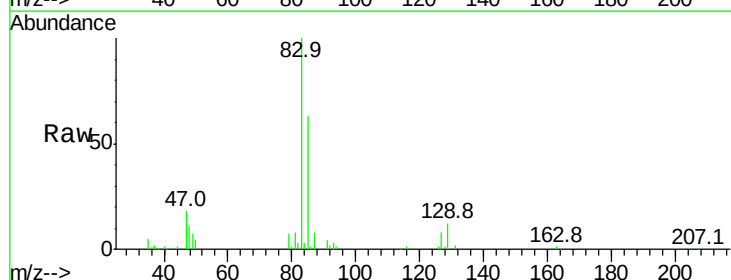
Tgt Ion: 83 Resp: 32136

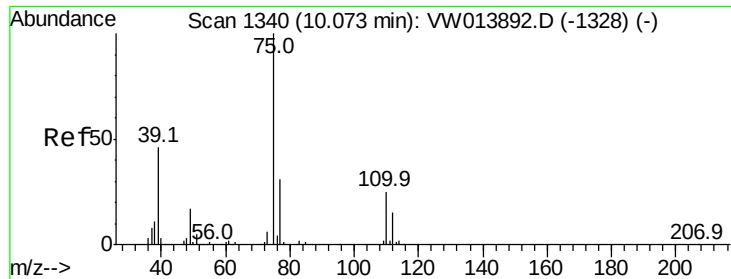
Ion Ratio Lower Upper

83 100

85 62.5 43.5 80.7

127 7.9 7.0 10.4





#42

cis-1,3-Dichloroprene

Concen: 4.938 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW013891.D

Acq: 01 Nov 2019 11:02

Instrument :

MSVOA_W

ClientSampleId :

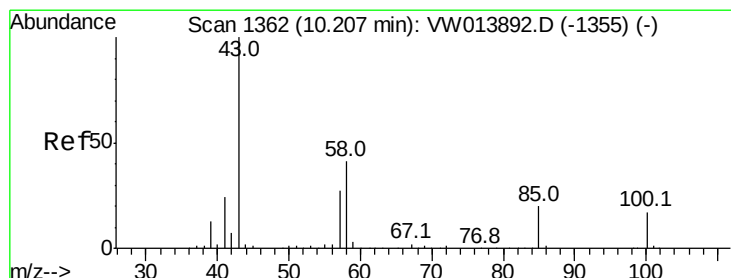
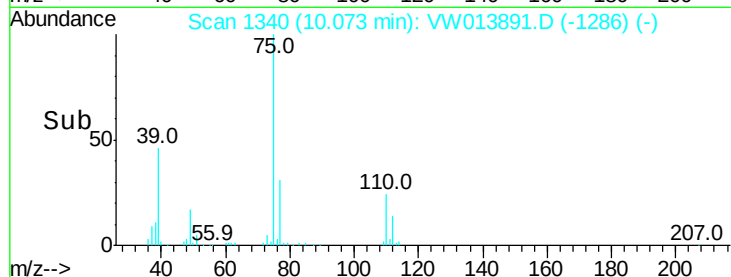
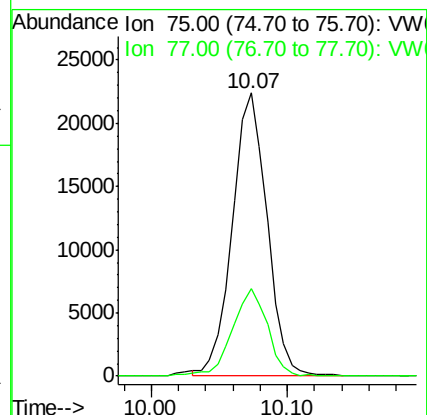
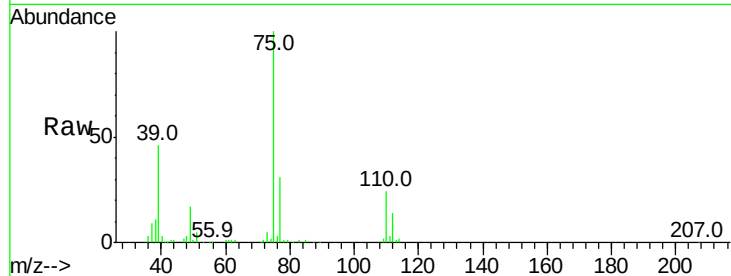
VSTD00506

Tgt Ion: 75 Resp: 39786

Ion Ratio Lower Upper

75 100

77 30.9 21.8 40.4



#43

4-Methyl-2-pentanone

Concen: 9.116 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW013891.D

Acq: 01 Nov 2019 11:02

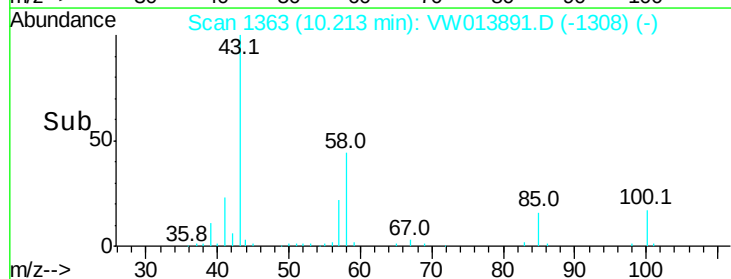
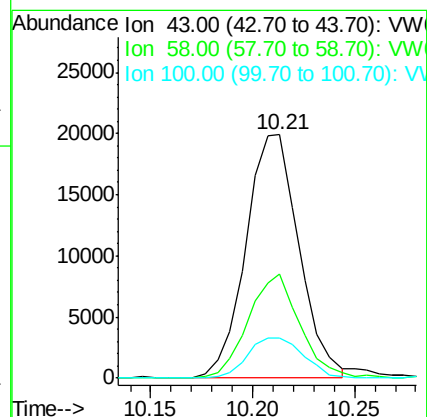
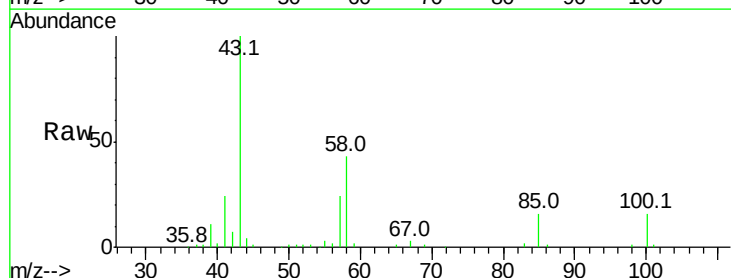
Tgt Ion: 43 Resp: 36100

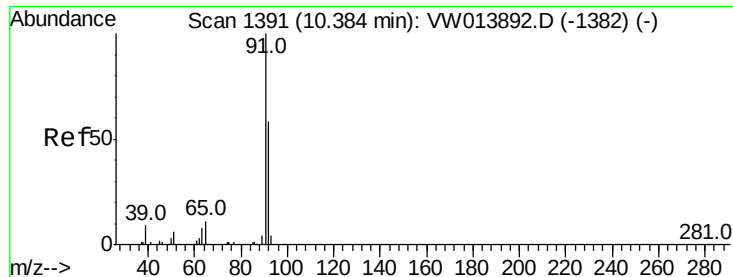
Ion Ratio Lower Upper

43 100

58 41.3 32.6 48.8

100 17.5 14.1 21.1





#44

Toluene

Concen: 4.923 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW013891.D

Acq: 01 Nov 2019 11:02

Instrument :

MSVOA_W

ClientSampleId :

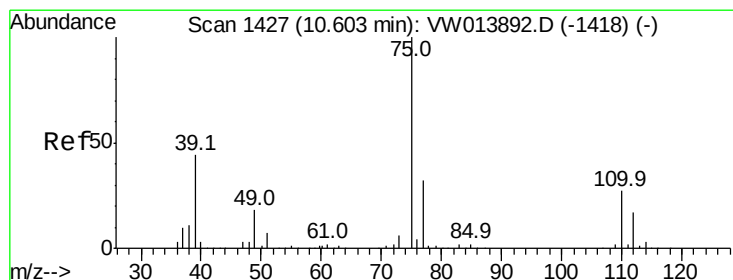
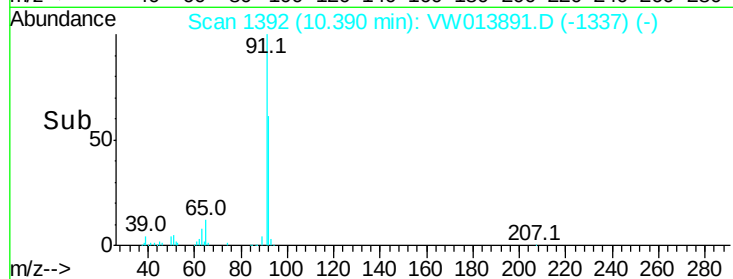
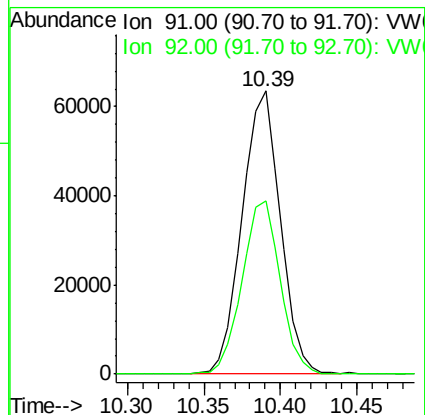
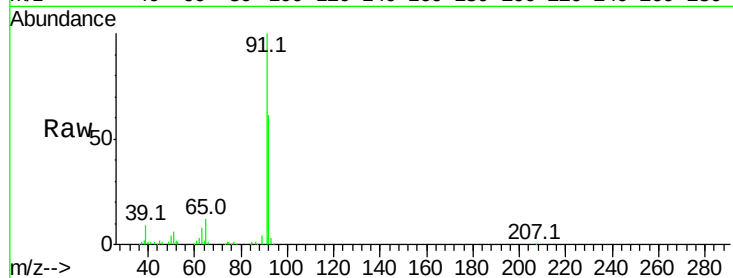
VSTD00506

Tgt Ion: 91 Resp: 110442

Ion Ratio Lower Upper

91 100

92 61.4 40.3 74.9



#45

trans-1,3-Dichloropropene

Concen: 4.818 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW013891.D

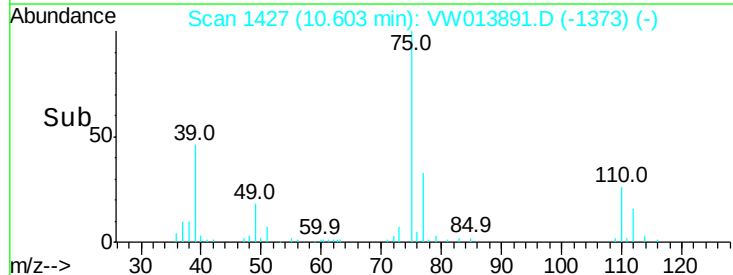
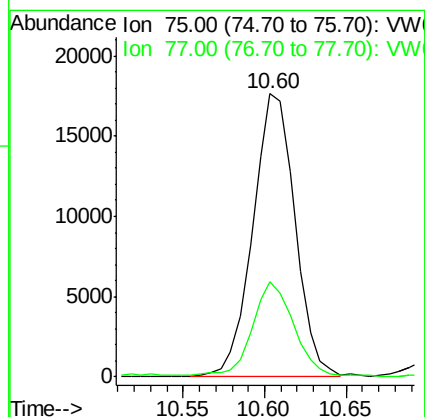
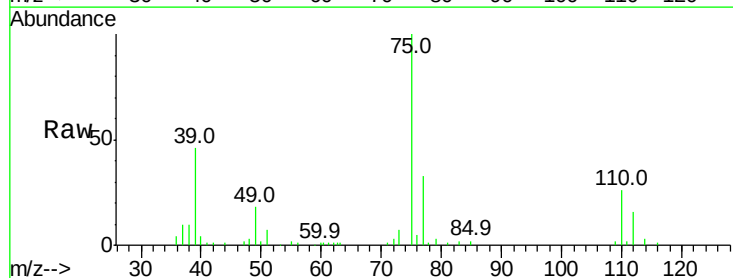
Acq: 01 Nov 2019 11:02

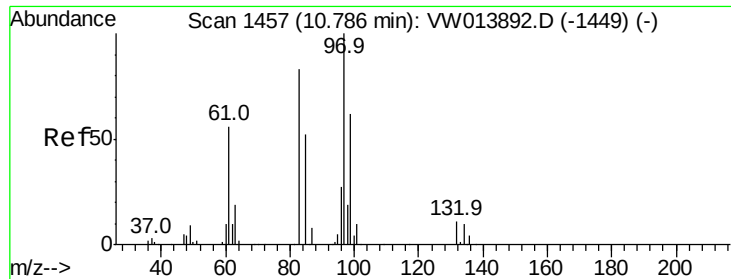
Tgt Ion: 75 Resp: 31658

Ion Ratio Lower Upper

75 100

77 33.5 22.5 41.7

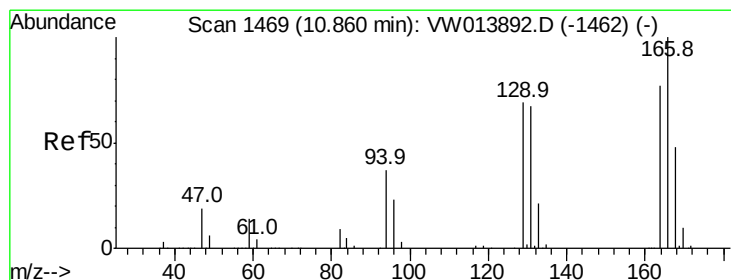
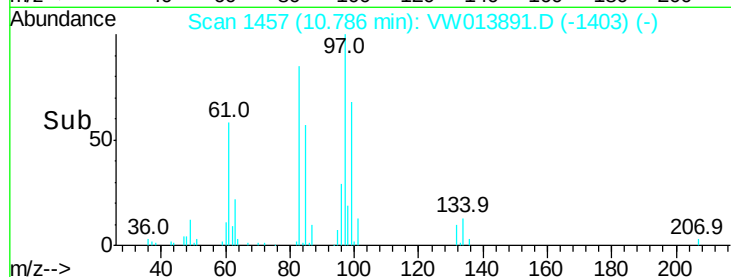
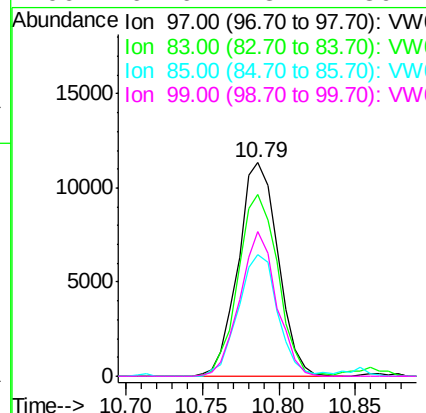
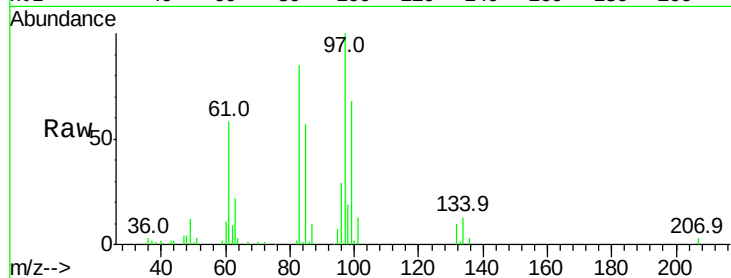




#46
 1,1,2-Trichloroethane
 Concen: 4.970 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW013891.D
 Acq: 01 Nov 2019 11:02

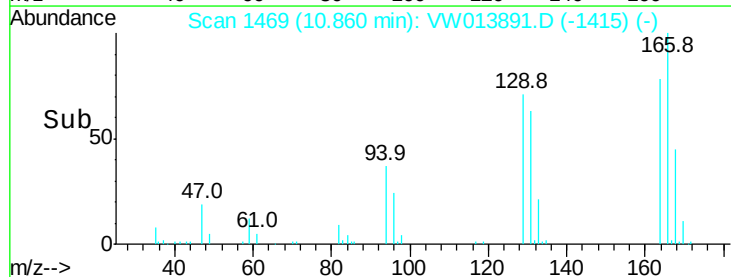
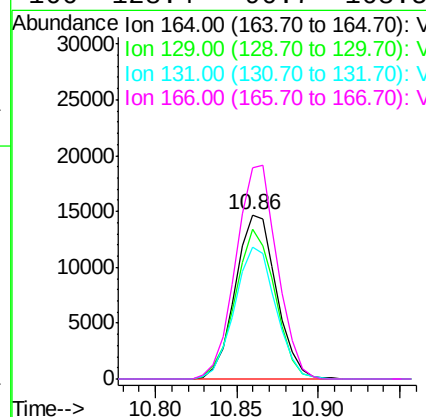
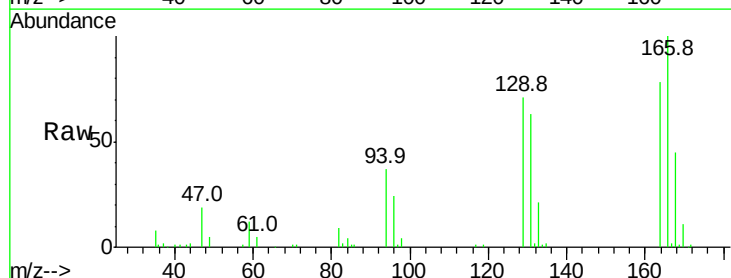
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00506

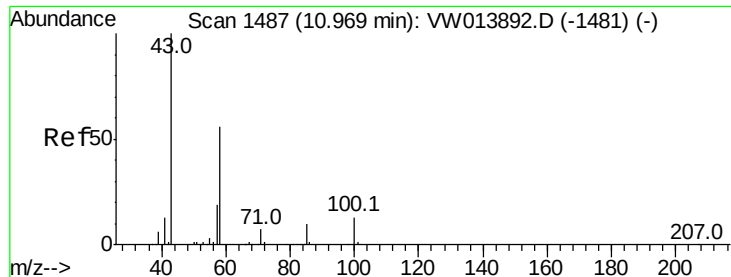
Tgt Ion:	97	Resp:	20568
Ion	Ratio	Lower	Upper
97	100		
83	84.9	58.4	108.4
85	57.0	36.2	67.2
99	67.6	43.1	80.1



#47
 Tetrachloroethene
 Concen: 5.239 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VW013891.D
 Acq: 01 Nov 2019 11:02

Tgt Ion:	164	Resp:	25798
Ion	Ratio	Lower	Upper
164	100		
129	90.8	63.0	117.0
131	80.5	60.6	112.6
166	128.4	90.7	168.5

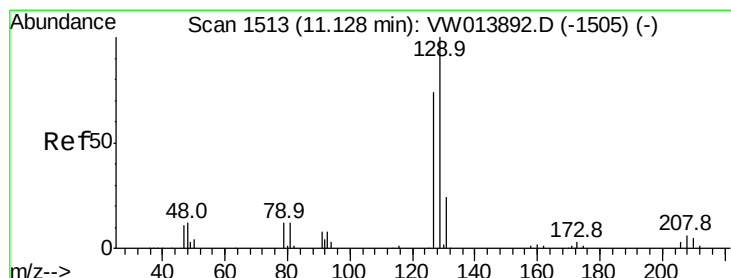
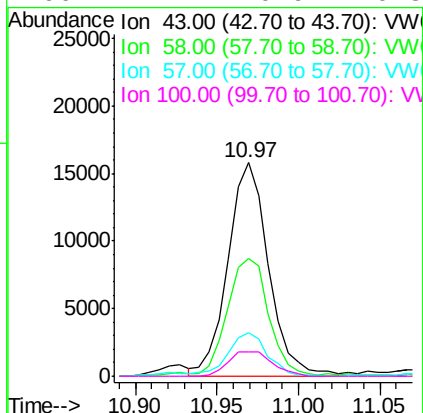
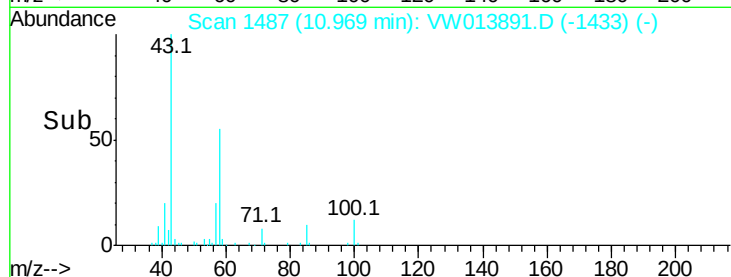
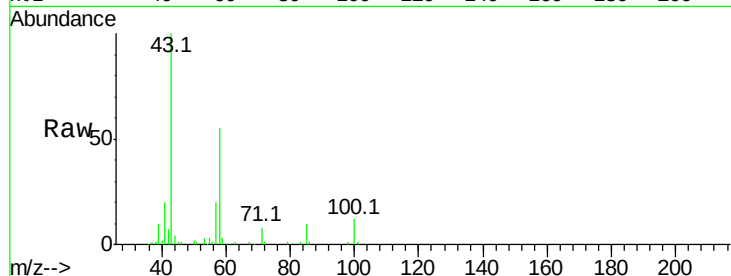




#49
2-Hexanone
Concen: 9.689 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW013891.D
Acq: 01 Nov 2019 11:02

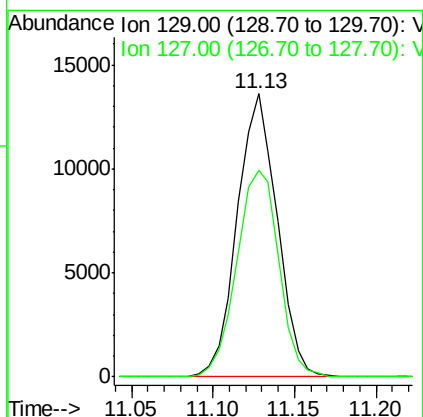
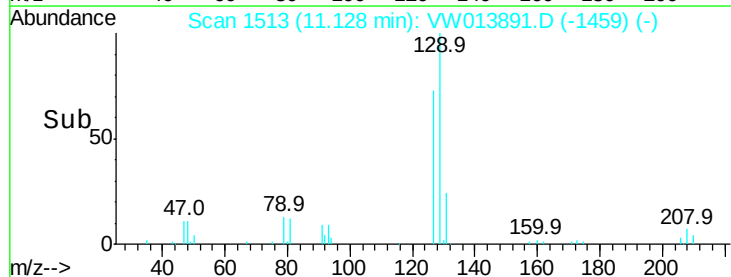
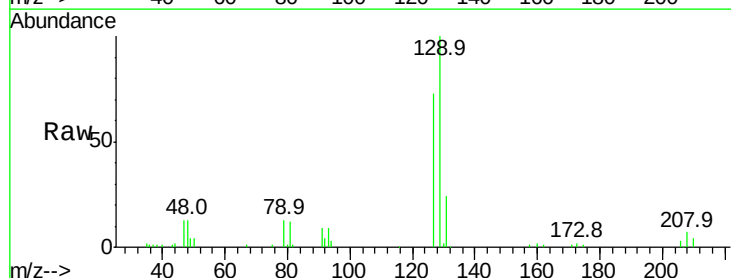
Instrument :
MSVOA_W
ClientSampleId :
VSTD00506

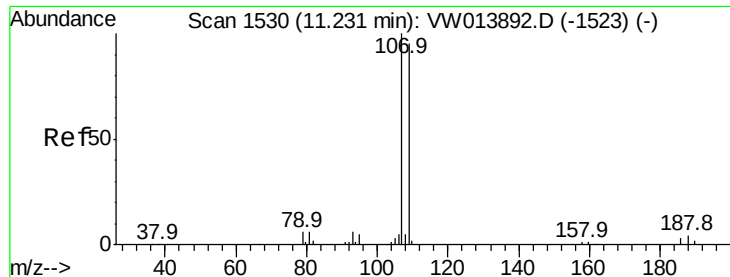
Tgt Ion: 43 Resp: 27458
Ion Ratio Lower Upper
43 100
58 56.2 45.2 67.8
57 19.7 15.4 23.0
100 12.7 10.9 16.3



#50
Dibromochloromethane
Concen: 4.823 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW013891.D
Acq: 01 Nov 2019 11:02

Tgt Ion: 129 Resp: 23203
Ion Ratio Lower Upper
129 100
127 72.8 52.1 96.7

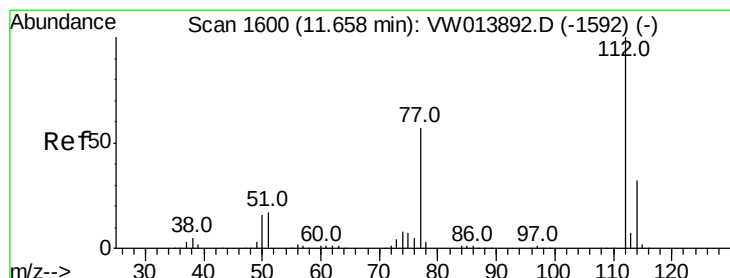
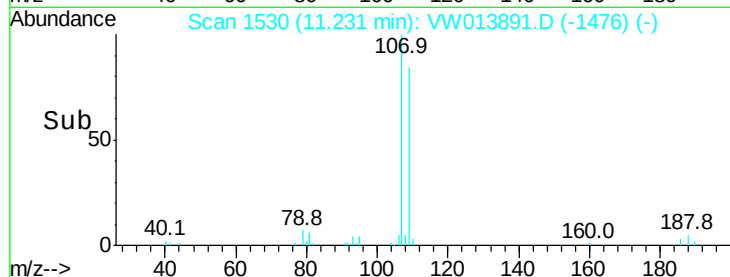
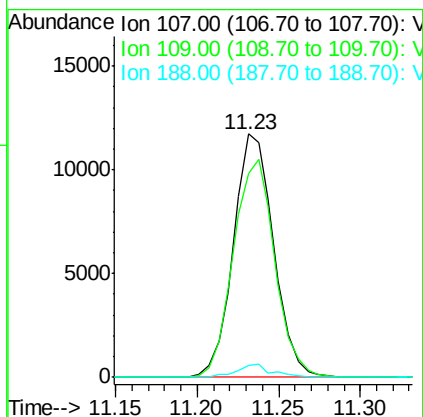
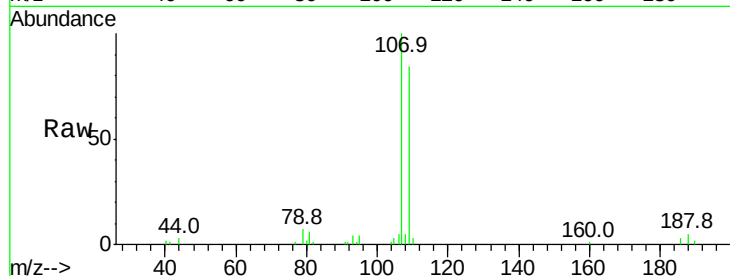




#51
1,2-Dibromoethane
Concen: 4.961 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VW013891.D
Acq: 01 Nov 2019 11:02

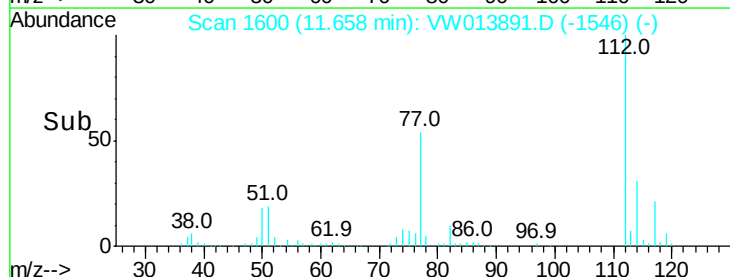
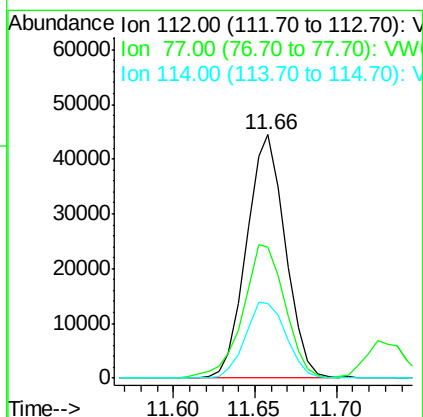
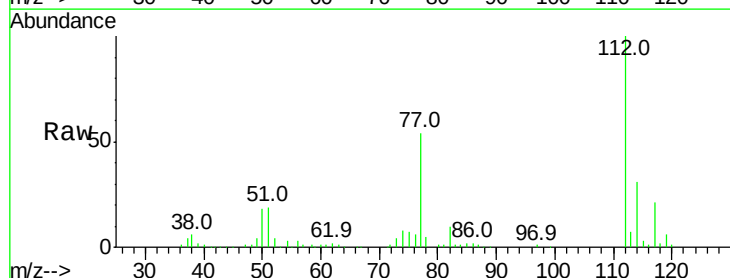
Instrument :
MSVOA_W
ClientSampleId :
VSTD00506

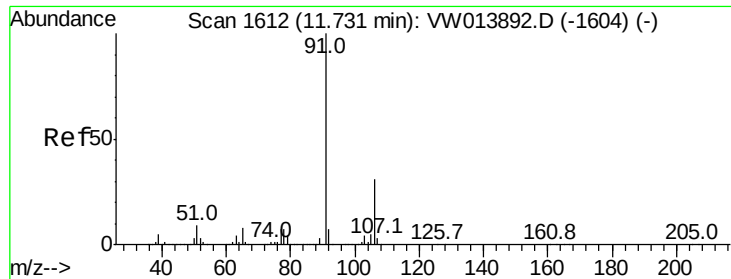
Tgt Ion:107 Resp: 20092
Ion Ratio Lower Upper
107 100
109 83.8 66.3 123.1
188 4.8 3.5 5.3



#52
Chlorobenzene
Concen: 5.058 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW013891.D
Acq: 01 Nov 2019 11:02

Tgt Ion:112 Resp: 73573
Ion Ratio Lower Upper
112 100
77 53.9 45.4 68.0
114 30.5 22.6 42.0





#53

Ethylbenzene

Concen: 5.080 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW013891.D

Acq: 01 Nov 2019 11:02

Instrument :

MSVOA_W

ClientSampleId :

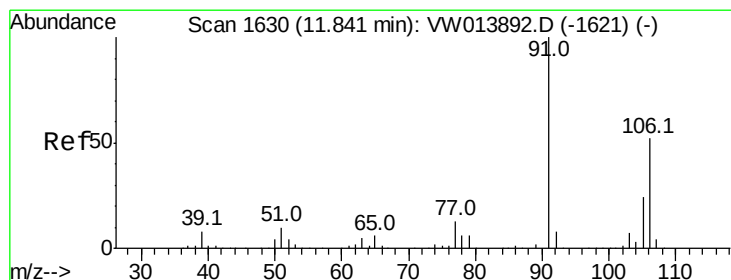
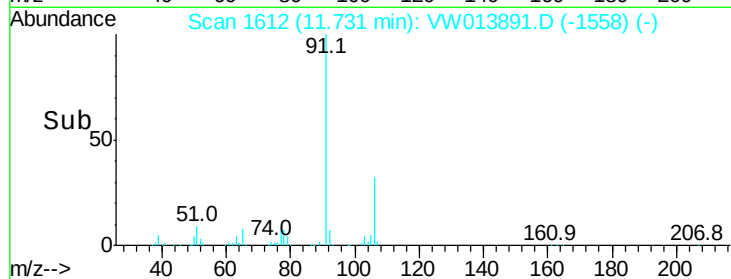
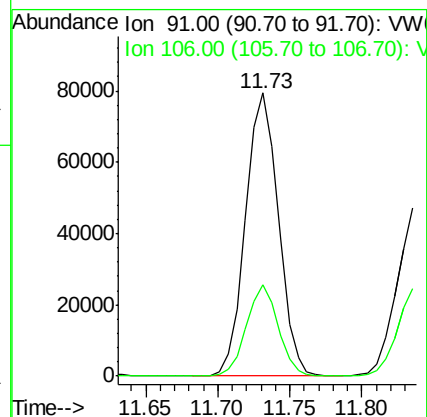
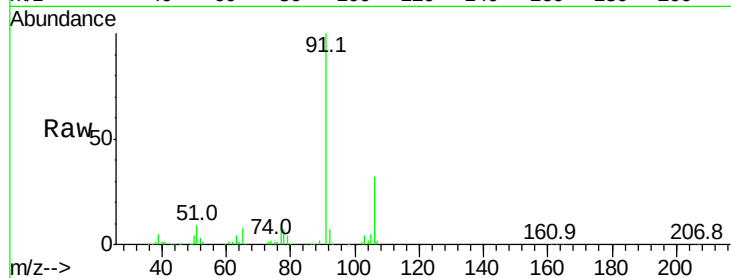
VSTD00506

Tgt Ion: 91 Resp: 125784

Ion Ratio Lower Upper

91 100

106 32.2 22.0 40.8



#54

m,p-Xylene

Concen: 4.885 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW013891.D

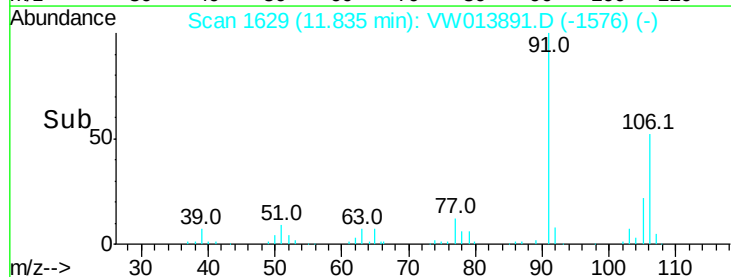
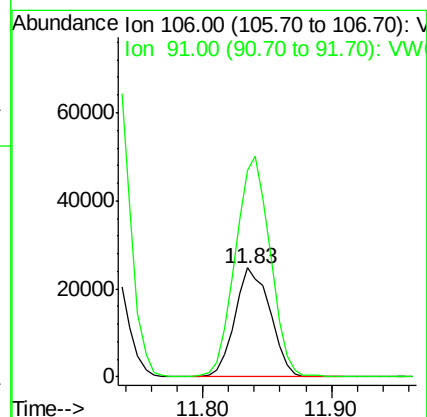
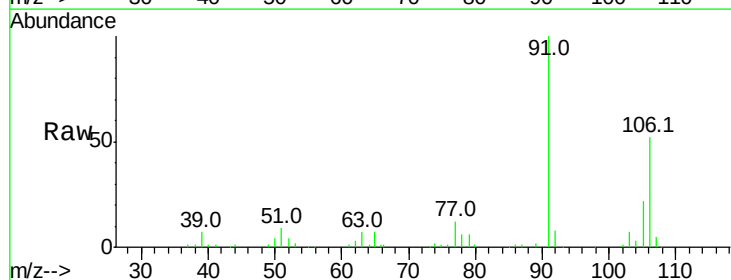
Acq: 01 Nov 2019 11:02

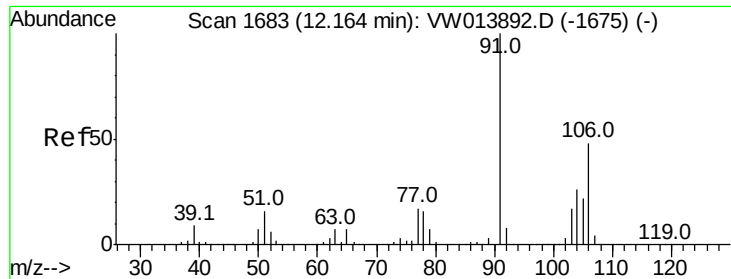
Tgt Ion: 106 Resp: 47328

Ion Ratio Lower Upper

106 100

91 190.5 133.7 248.3

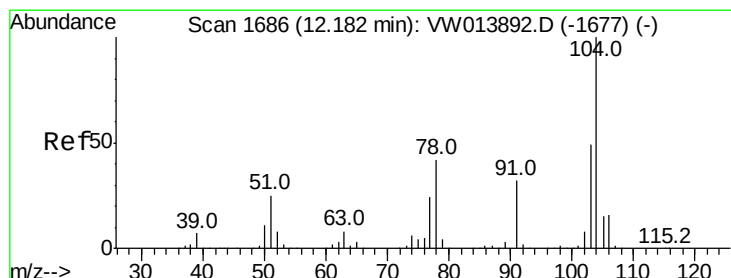
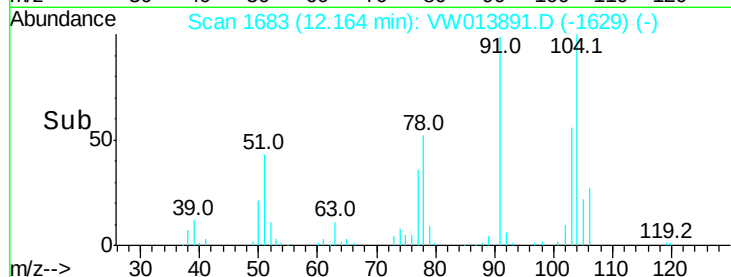
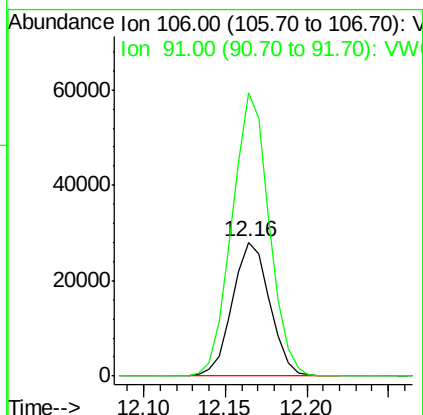
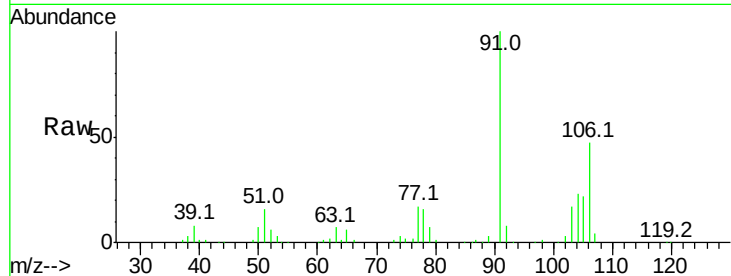




#55
o-xylene
Concen: 4.899 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013891.D
Acq: 01 Nov 2019 11:02

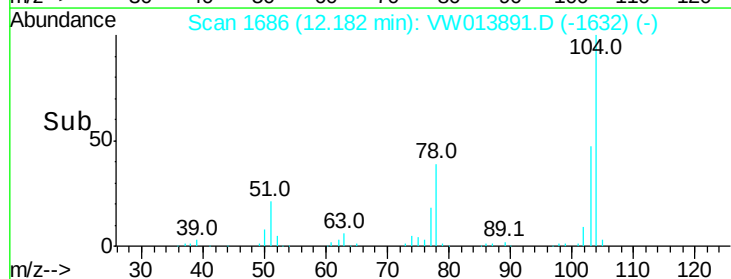
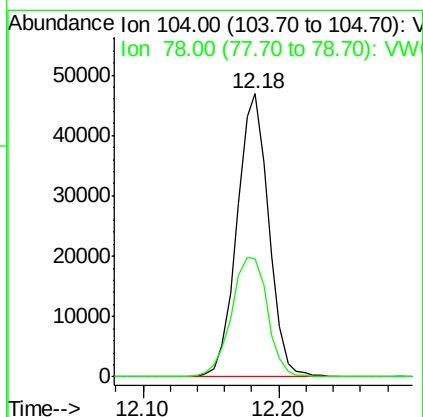
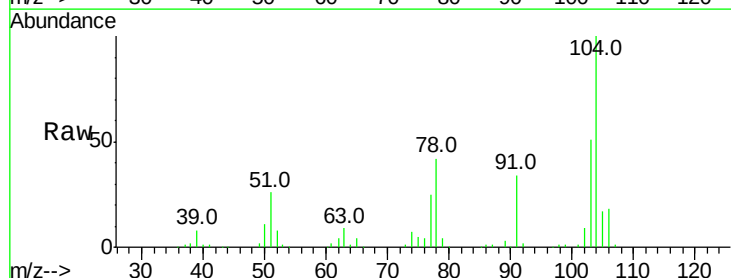
Instrument :
MSVOA_W
ClientSampled :
VSTD00506

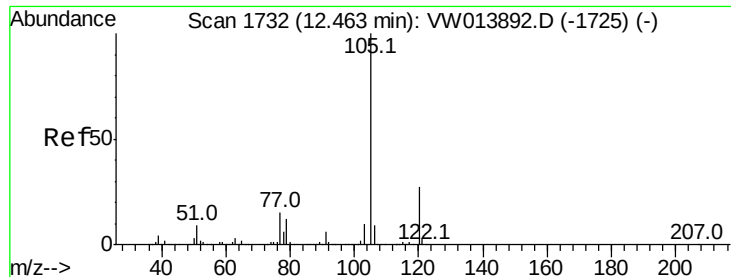
Tgt Ion:106 Resp: 44671
Ion Ratio Lower Upper
106 100
91 211.8 145.6 270.4



#56
Styrene
Concen: 4.869 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW013891.D
Acq: 01 Nov 2019 11:02

Tgt Ion:104 Resp: 76172
Ion Ratio Lower Upper
104 100
78 41.6 29.2 54.2





#57

Isopropylbenzene

Concen: 4.942 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013891.D

Acq: 01 Nov 2019 11:02

Instrument :

MSVOA_W

ClientSampled :

VSTD00506

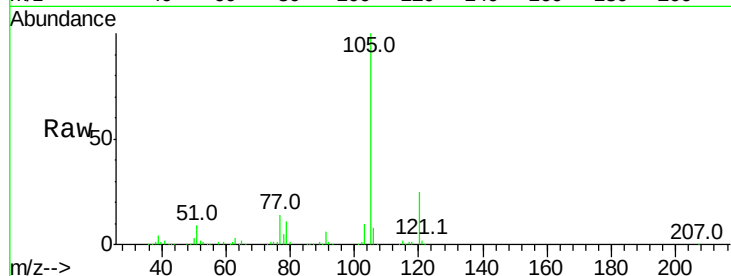
Tgt Ion: 105 Resp: 120602

Ion Ratio Lower Upper

105 100

120 26.3 21.5 32.3

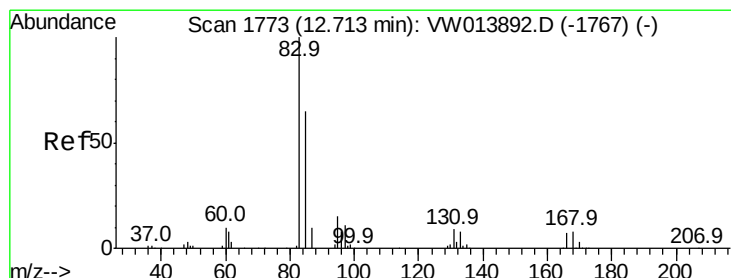
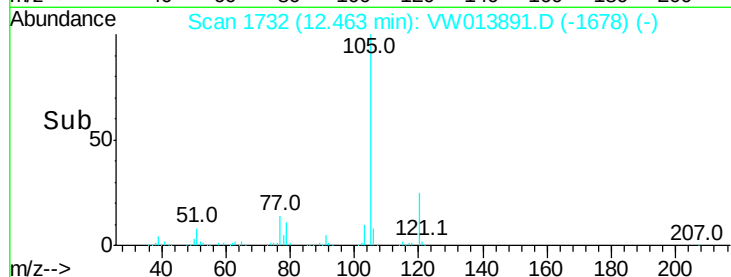
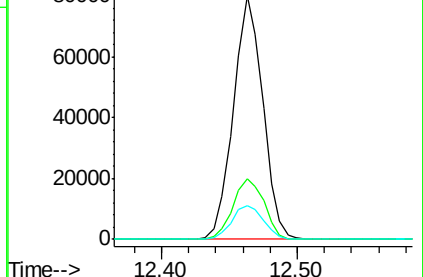
77 14.9 11.7 17.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.870 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013891.D

Acq: 01 Nov 2019 11:02

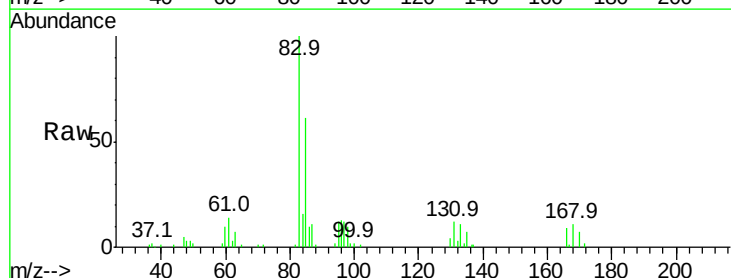
Tgt Ion: 83 Resp: 25301

Ion Ratio Lower Upper

83 100

85 61.5 45.6 84.6

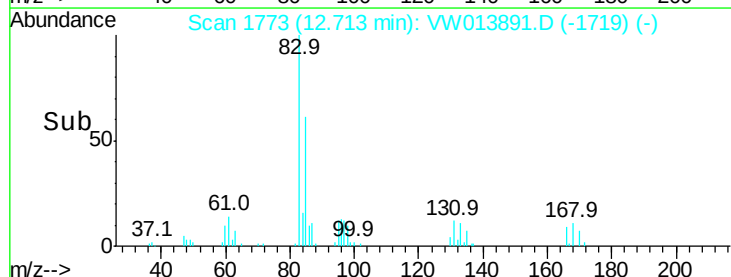
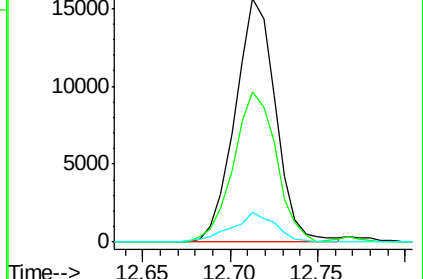
131 12.3 7.8 11.8#

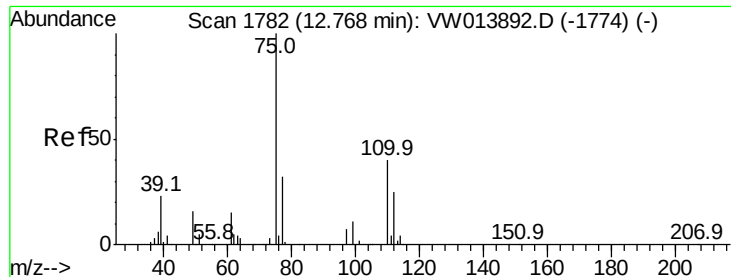


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 4.784 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW013891.D

Acq: 01 Nov 2019 11:02

Instrument :

MSVOA_W

ClientSampleId :

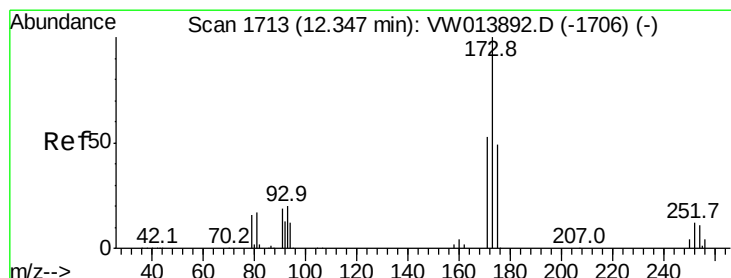
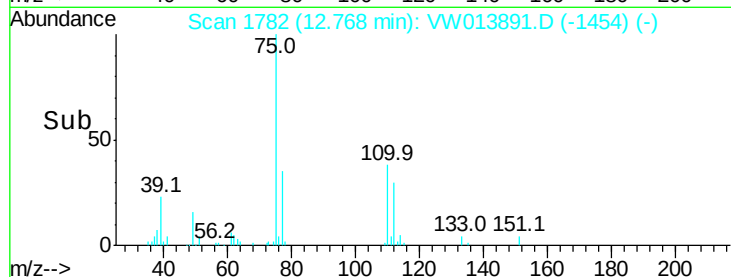
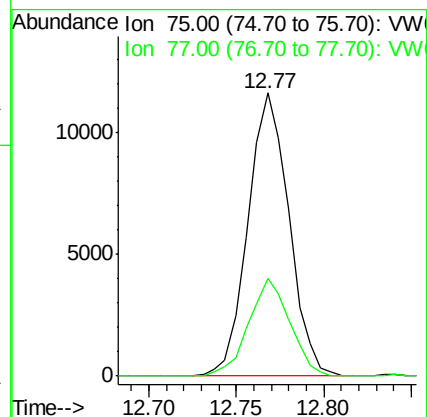
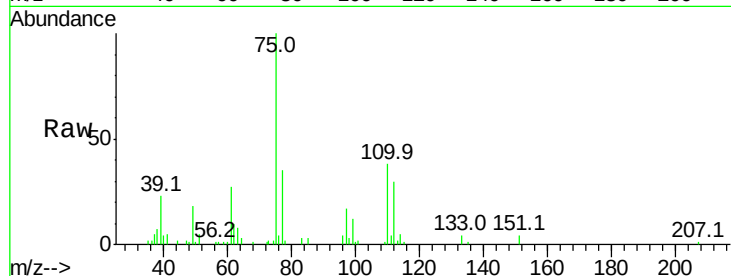
VSTD00506

Tgt Ion: 75 Resp: 18938

Ion Ratio Lower Upper

75 100

77 34.4 25.9 38.9



#62

Bromoform

Concen: 4.945 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW013891.D

Acq: 01 Nov 2019 11:02

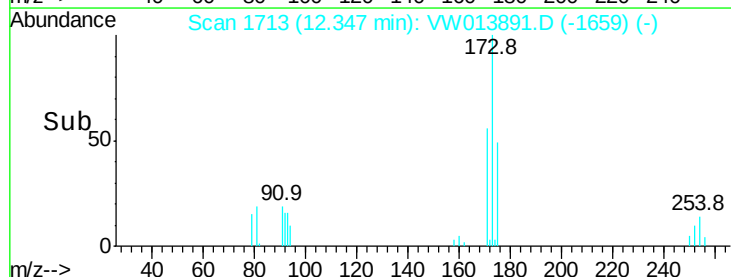
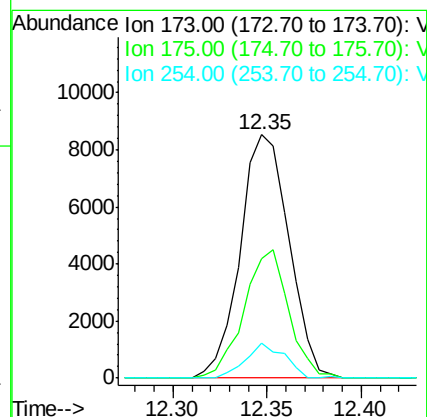
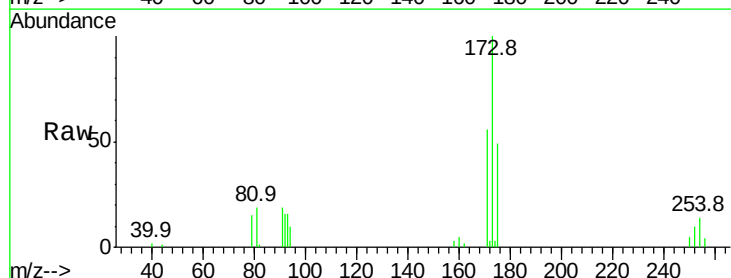
Tgt Ion: 173 Resp: 15266

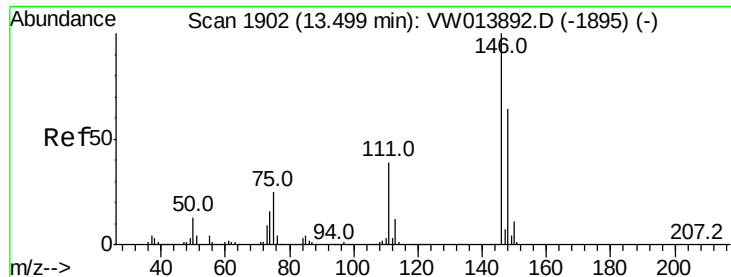
Ion Ratio Lower Upper

173 100

175 48.6 39.7 59.5

254 11.4 10.0 15.0

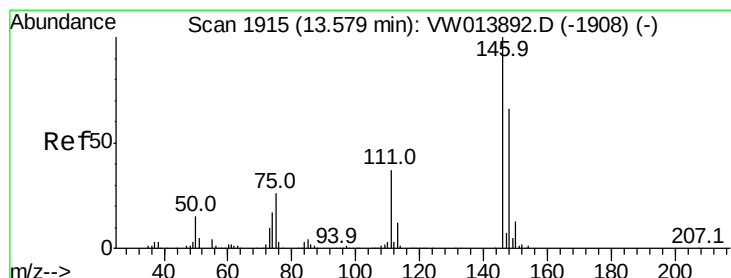
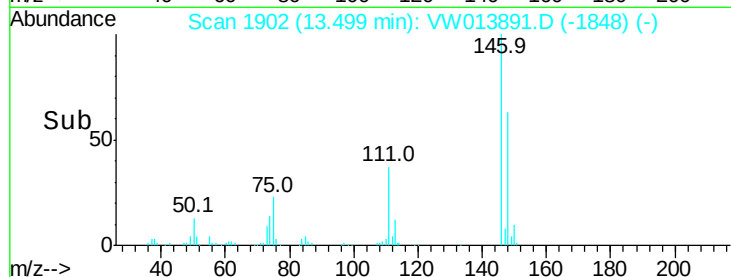
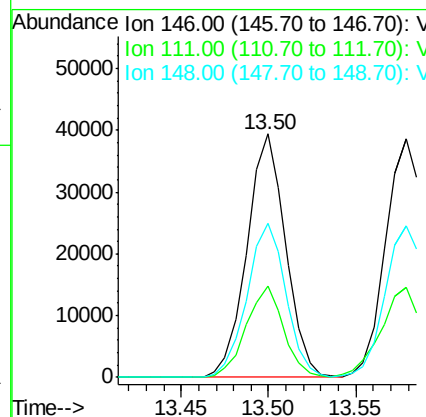
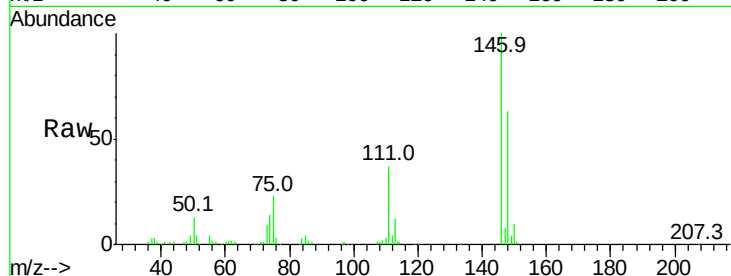




#63
 1,3-Dichlorobenzene
 Concen: 5.259 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013891.D
 Acq: 01 Nov 2019 11:02

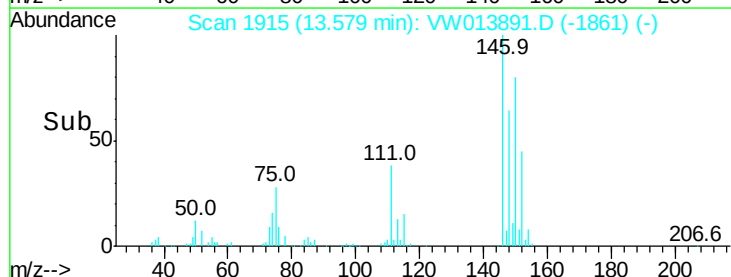
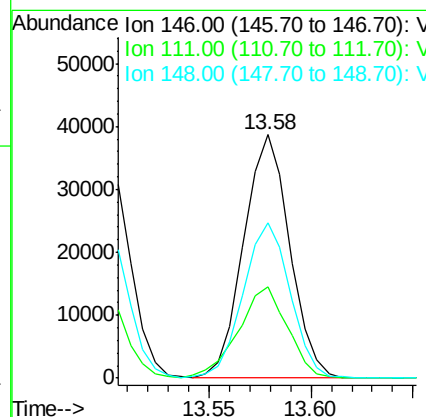
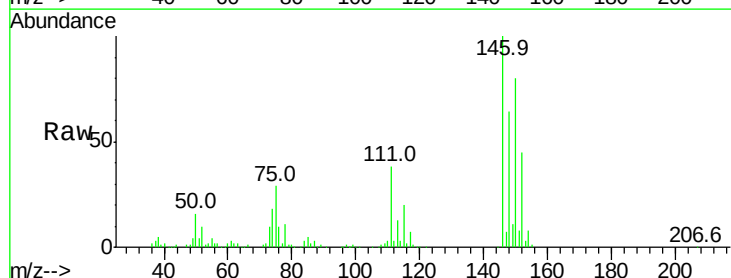
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00506

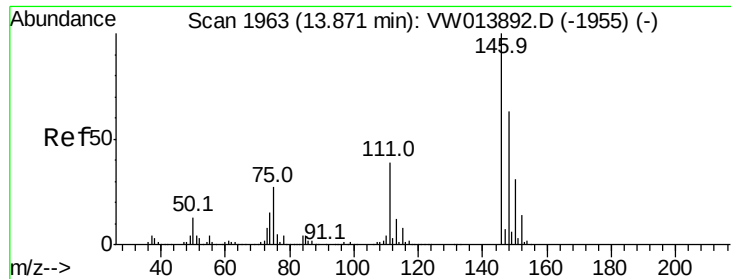
Tgt Ion:146 Resp: 60911
 Ion Ratio Lower Upper
 146 100
 111 37.3 27.4 51.0
 148 63.3 44.6 82.8



#64
 1,4-Dichlorobenzene
 Concen: 5.165 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW013891.D
 Acq: 01 Nov 2019 11:02

Tgt Ion:146 Resp: 60676
 Ion Ratio Lower Upper
 146 100
 111 37.7 25.9 48.1
 148 63.5 46.3 86.1

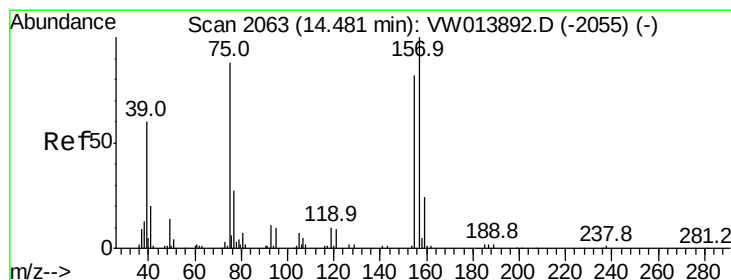
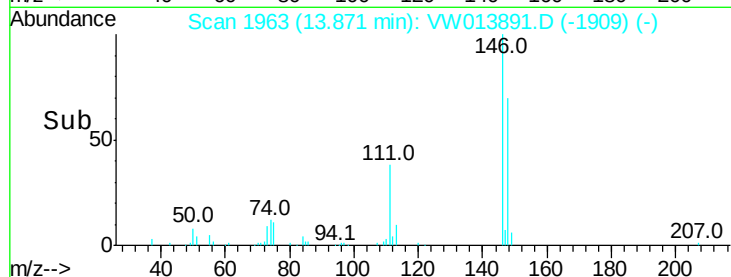
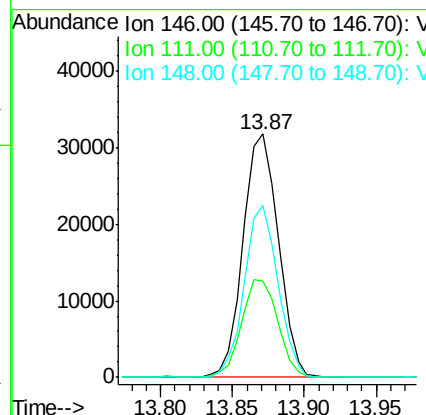
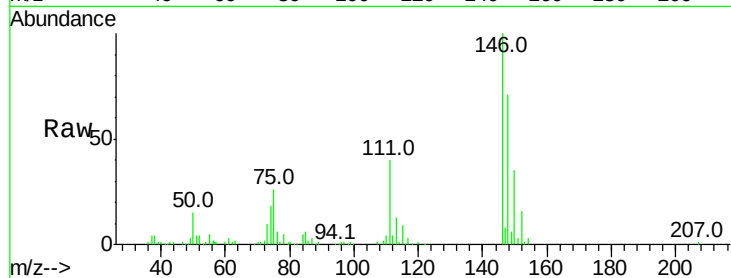




#65
 1,2-Dichlorobenzene
 Concen: 5.064 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW013891.D
 Acq: 01 Nov 2019 11:02

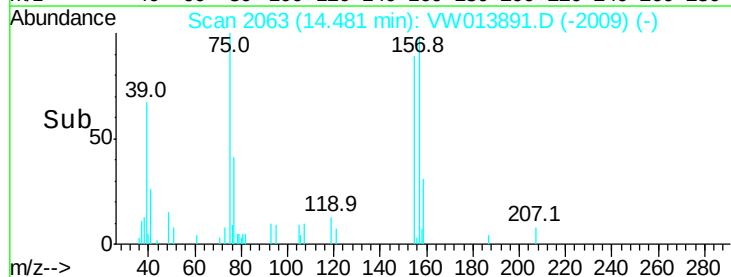
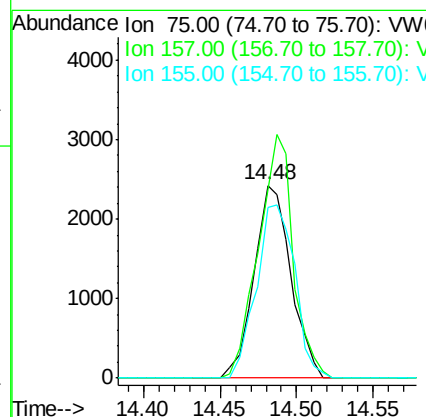
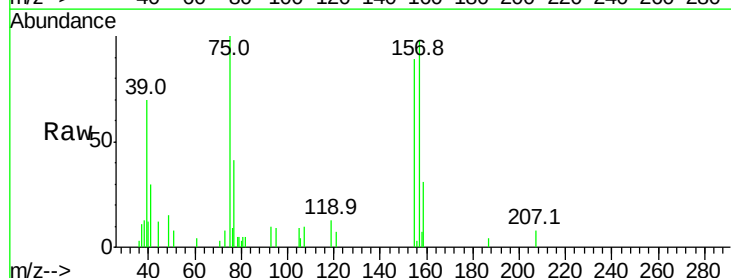
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00506

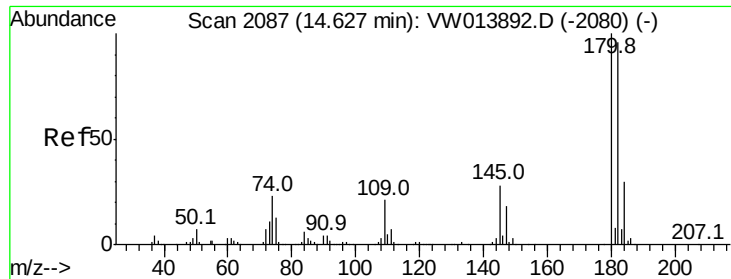
Tgt Ion: 146 Resp: 54205
 Ion Ratio Lower Upper
 146 100
 111 39.5 31.6 47.4
 148 70.7 50.7 76.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.799 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW013891.D
 Acq: 01 Nov 2019 11:02

Tgt Ion: 75 Resp: 4060
 Ion Ratio Lower Upper
 75 100
 157 97.7 91.0 136.6
 155 88.7 74.7 112.1

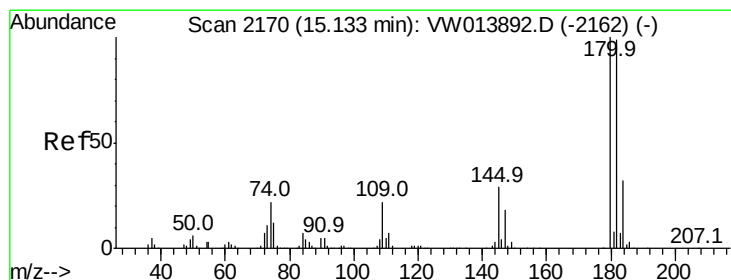
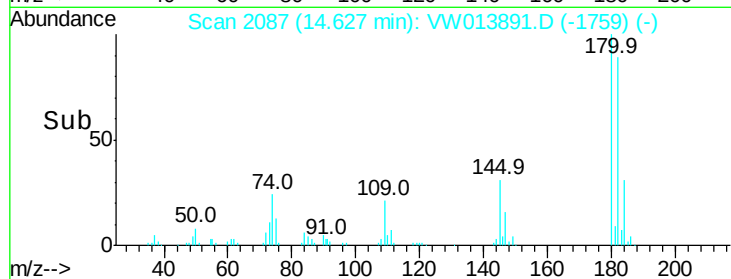
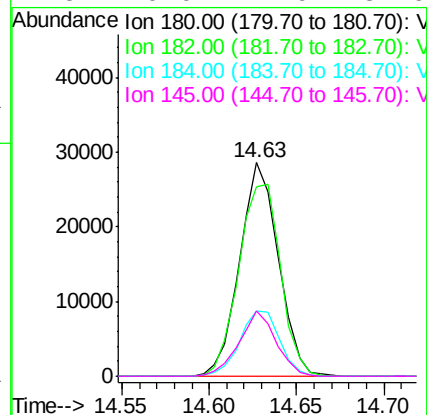
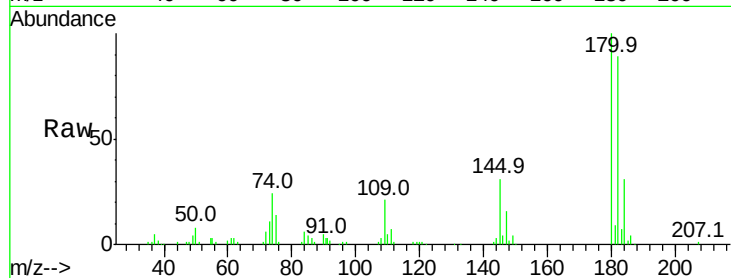




#67
 1,3,5-Trichlorobenzene
 Concen: 4.953 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW013891.D
 Acq: 01 Nov 2019 11:02

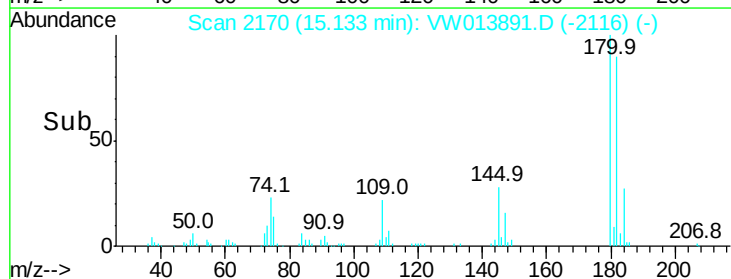
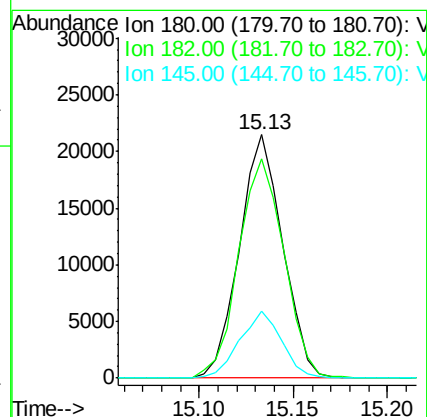
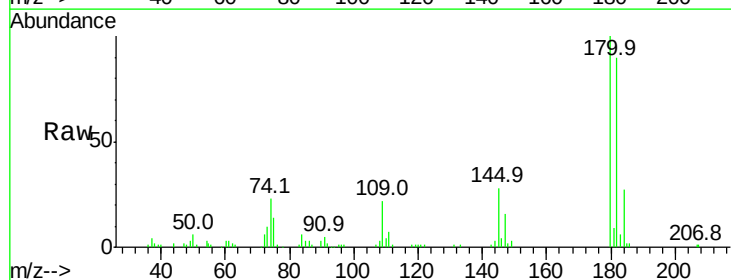
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00506

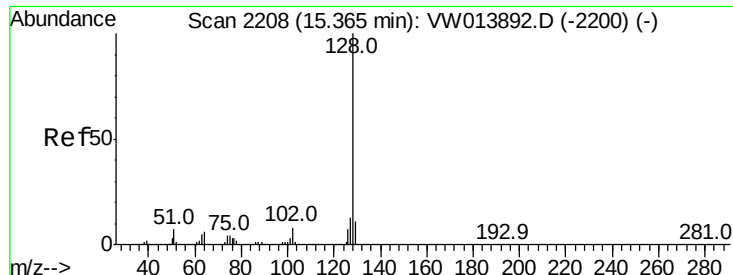
Tgt Ion:	180	Resp:	44132
Ion	Ratio	Lower	Upper
180	100		
182	97.1	76.8	115.2
184	31.6	23.8	35.8
145	29.0	21.9	32.9



#68
 1,2,4-trichlorobenzene
 Concen: 4.791 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW013891.D
 Acq: 01 Nov 2019 11:02

Tgt Ion:	180	Resp:	34239
Ion	Ratio	Lower	Upper
180	100		
182	94.4	78.9	118.3
145	26.8	22.7	34.1





#69

Naphthalene

Concen: 4.102 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW013891.D

Acq: 01 Nov 2019 11:02

Instrument :

MSVOA_W

ClientSampleId :

VSTD00506

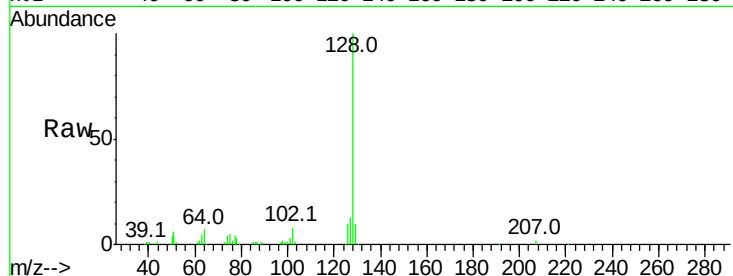
Tgt Ion:128 Resp: 56397

Ion Ratio Lower Upper

128 100

129 10.4 8.8 13.2

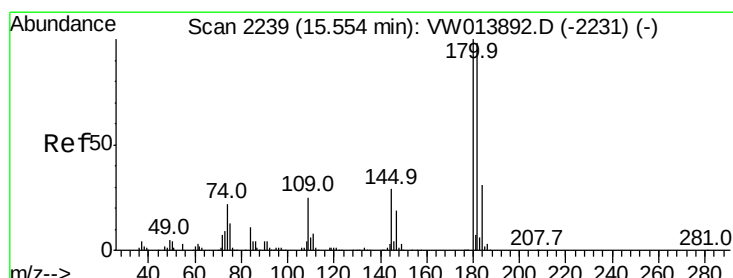
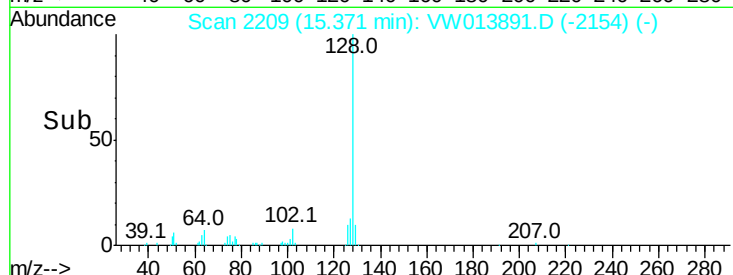
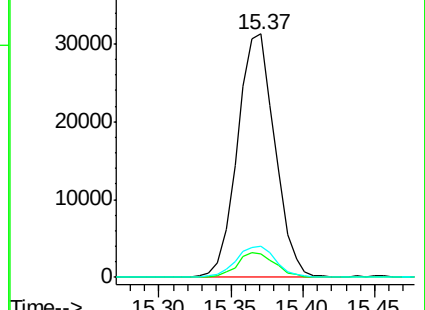
127 13.6 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.879 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW013891.D

Acq: 01 Nov 2019 11:02

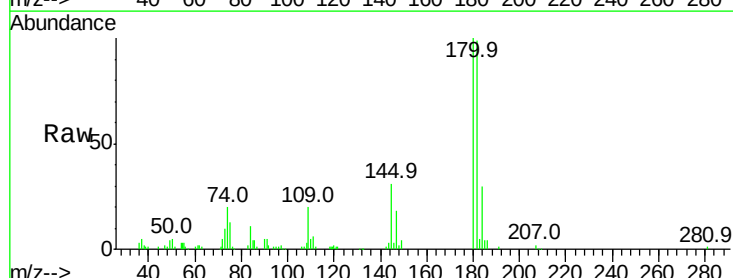
Tgt Ion:180 Resp: 32234

Ion Ratio Lower Upper

180 100

182 95.0 77.0 115.6

145 30.0 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

