

Data File : VW014212.D
Acq On : 05 Dec 2019 13:14
Operator : SY/VA
Sample : VSTD02503
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02503

Quant Time: Dec 05 14:14:20 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120519S.M
Quant Title : VOC Analysis
QLast Update : Thu Dec 05 12:00:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1250576	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	1140848	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	559407	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	505404	25.33	ug/L	0.00
7) Chloroethane-d5	2.89	69	389905	24.10	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.03	63	907545	22.16	ug/L	0.00
20) 2-Butanone-d5	7.07	46	259413	44.75	ug/L	0.00
24) Chloroform-d	7.65	84	908854	23.64	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.30	65	463806	23.99	ug/L	0.00
29) Benzene-d6	8.27	84	1897678	23.44	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	585989	24.71	ug/L	0.00
37) Toluene-d8	10.32	98	1755227	22.87	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.57	79	241797	23.81	ug/L	0.00
39) 2-Hexanone-d5	10.92	63	222207	49.42	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	456303	25.48	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	602604	26.81	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	316286	21.266	ug/L	98
3) Chloromethane	2.21	50	275352	20.844	ug/L	98
5) Vinyl chloride	2.37	62	473959	22.978	ug/L	93
6) Bromomethane	2.78	94	294464	23.058	ug/L	99
8) Chloroethane	2.92	64	275221	22.432	ug/L	97
9) Trichlorofluoromethane	3.26	101	243356	17.302	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	449612	21.649	ug/L	95
12) 1,1-Dichloroethene	4.04	96	454284	21.519	ug/L	92
13) Acetone	4.12	43	159953	27.118	ug/L	99
14) Carbon disulfide	4.39	76	1394644	23.211	ug/L	100
15) Methyl Acetate	4.66	43	223346	23.403	ug/L	99
16) Methylene chloride	4.92	84	488728	20.300	ug/L	99
17) Methyl tert-butyl Ether	5.42	73	581855	21.364	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	477031	21.669	ug/L	94
19) 1,1-Dichloroethane	6.21	63	862187	23.251	ug/L	99
21) 2-Butanone	7.17	43	286249	37.774	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	510815	22.050	ug/L	97
23) Bromochloromethane	7.51	128	229492	22.567	ug/L	85
25) Chloroform	7.67	83	836270	22.965	ug/L	99
27) 1,2-Dichloroethane	8.40	62	527657	23.933	ug/L	98
30) Cyclohexane	7.95	56	805123	22.052	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	625446	21.876	ug/L	98
32) Carbon tetrachloride	8.07	117	584428	21.294	ug/L	99
34) Benzene	8.32	78	1956961	23.386	ug/L	100
35) Trichloroethene	9.09	95	492879	22.080	ug/L	96
36) Methylcyclohexane	9.34	83	881011	22.012	ug/L	98
40) 1,2-Dichloropropane	9.37	63	493556	24.501	ug/L	99
41) Bromodichloromethane	9.64	83	597013	24.515	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	755671	23.771	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	624162	46.928	ug/L	99

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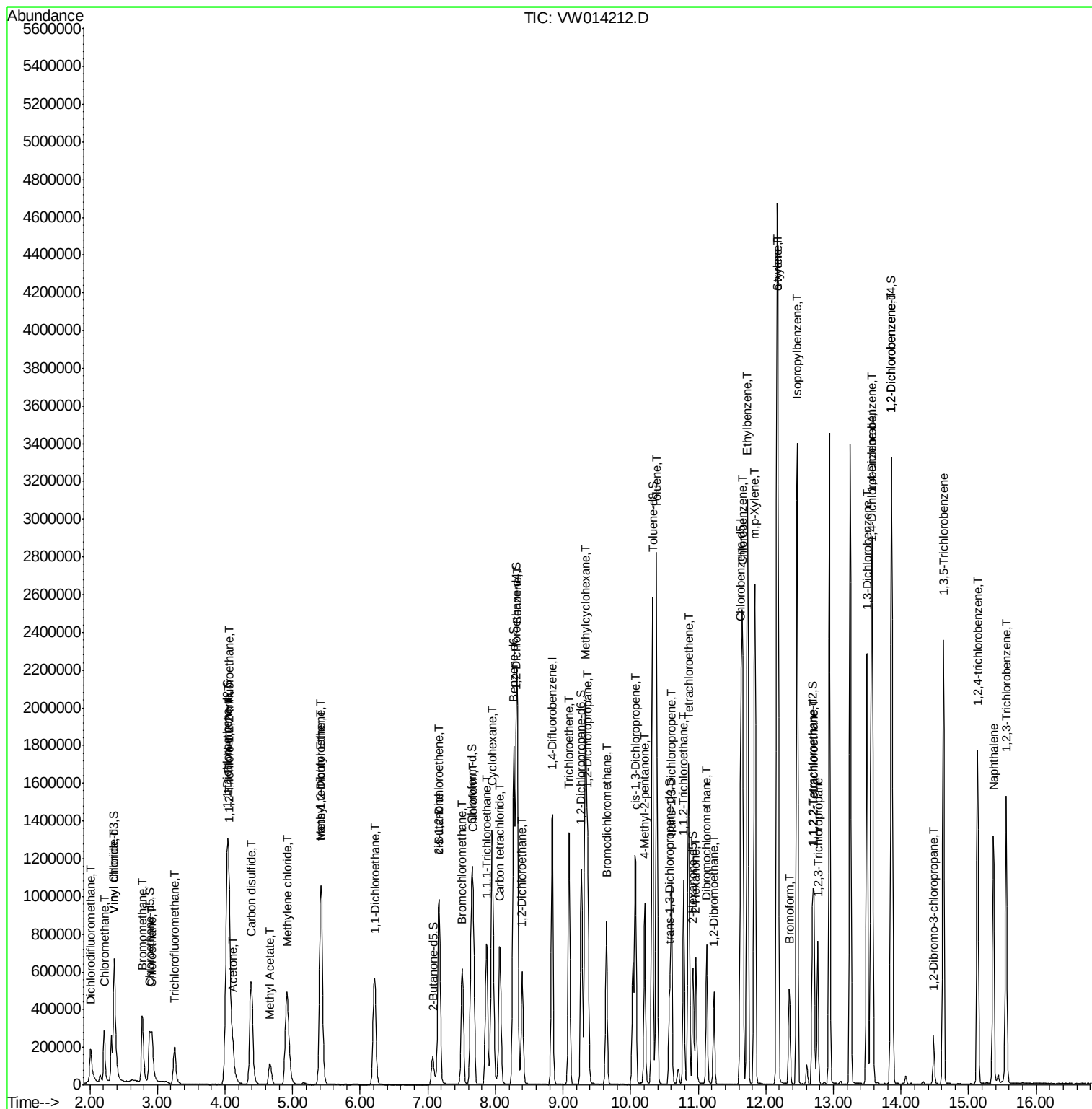
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.38	91	2087176	22.877	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	601233	23.916	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	360753	24.373	ug/L	98
47) Tetrachloroethene	10.86	164	419649	21.092	ug/L	97
49) 2-Hexanone	10.96	43	422973	44.110	ug/L	97
50) Dibromochloromethane	11.13	129	410169	23.576	ug/L	99
51) 1,2-Dibromoethane	11.23	107	337968	23.534	ug/L #	98
52) Chlorobenzene	11.65	112	1300969	22.746	ug/L	93
53) Ethylbenzene	11.73	91	2293463	22.908	ug/L	98
54) m,p-Xylene	11.84	106	884002	22.720	ug/L	99
55) o-xylene	12.16	106	849670	23.320	ug/L	96
56) Styrene	12.18	104	1460938	23.736	ug/L	99
57) Isopropylbenzene	12.46	105	2212128	22.082	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	442650	25.616	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	323789	24.914	ug/L	98
62) Bromoform	12.35	173	240568	26.241	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	1017804	25.912	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	1022749	26.354	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	948815	27.279	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	64392	27.184	ug/L	92
67) 1,3,5-Trichlorobenzene	14.63	180	755002	25.222	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	613460	26.063	ug/L	100
69) Naphthalene	15.36	128	1138406	27.224	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	575415	27.701	ug/L	98

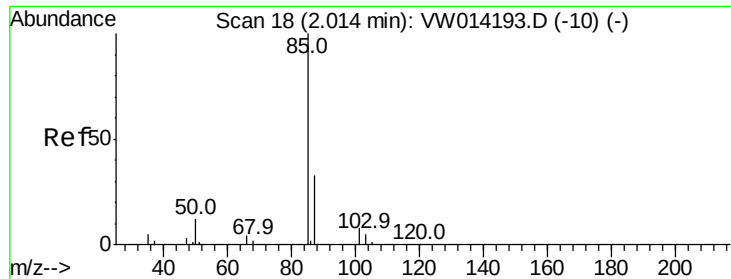
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 21.266 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW014212.D

Acq: 05 Dec 2019 13:14

Instrument :

MSVOA_W

ClientSampled :

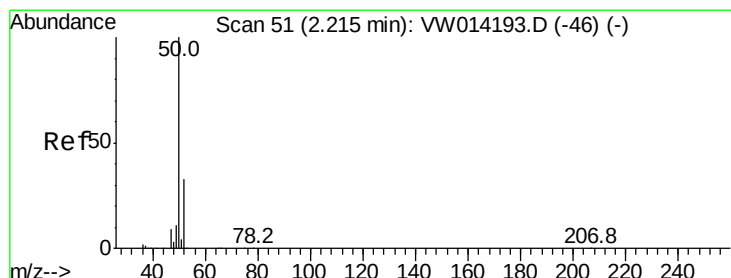
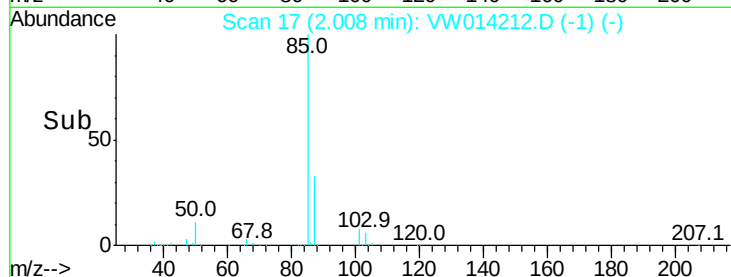
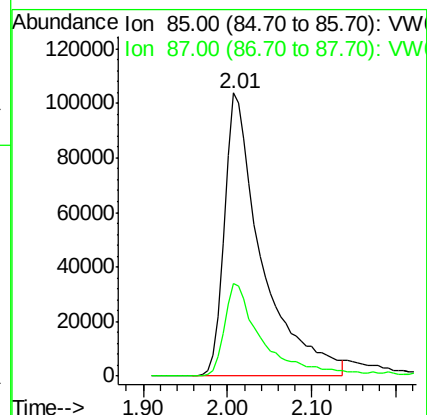
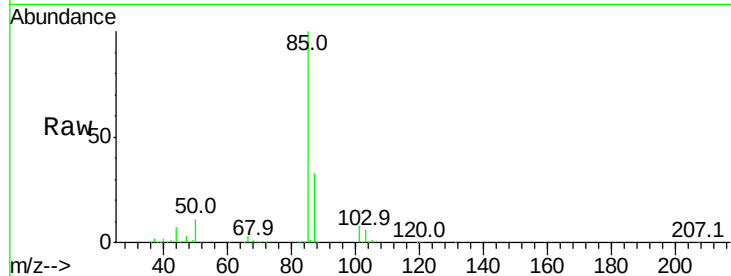
VSTD02503

Tgt Ion: 85 Resp: 316286

Ion Ratio Lower Upper

85 100

87 30.3 22.1 41.1



#3

Chloromethane

Concen: 20.844 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW014212.D

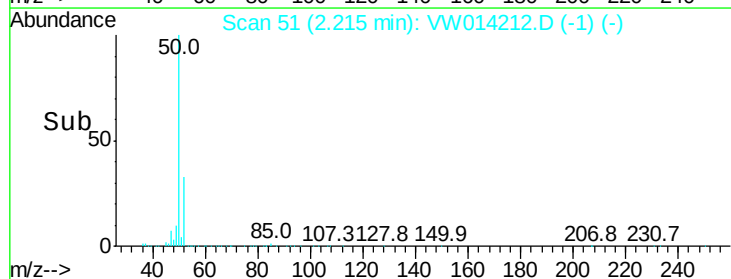
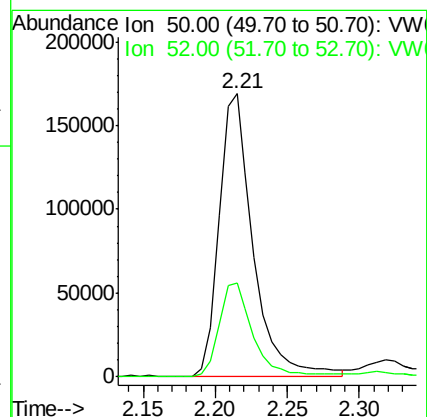
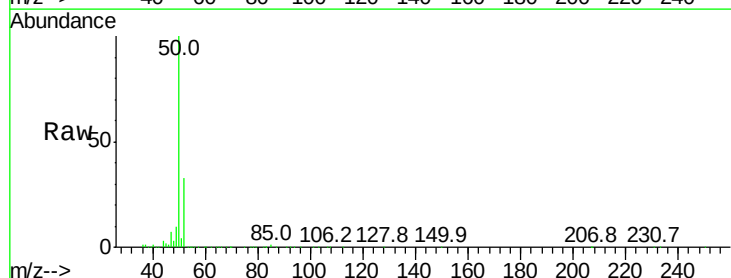
Acq: 05 Dec 2019 13:14

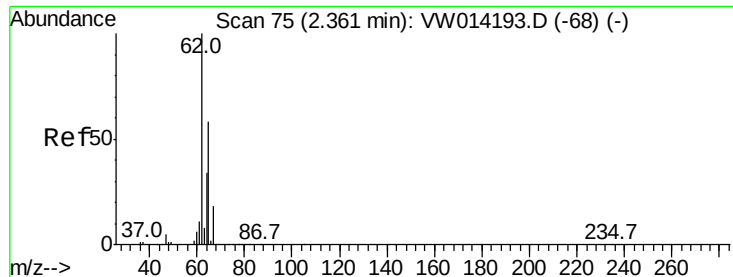
Tgt Ion: 50 Resp: 275352

Ion Ratio Lower Upper

50 100

52 33.0 23.8 44.2





#5

Vinyl chloride

Concen: 22.978 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.01 min

Lab File: VW014212.D

Acq: 05 Dec 2019 13:14

Instrument :

MSVOA_W

ClientSampleId :

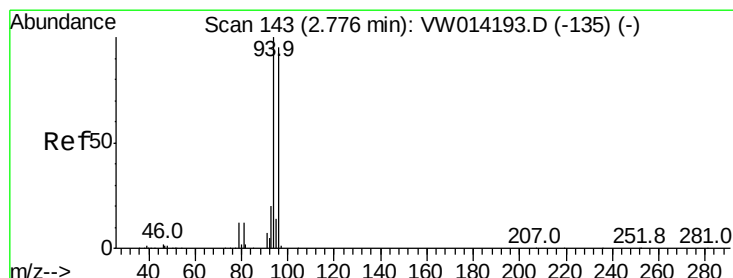
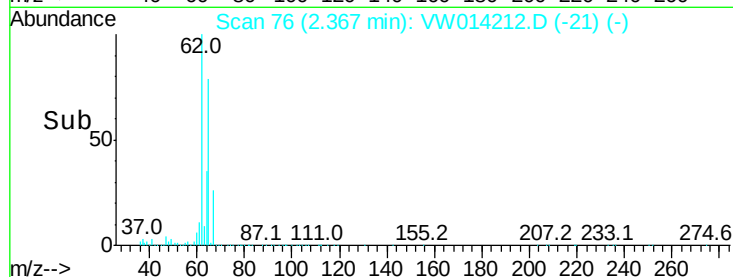
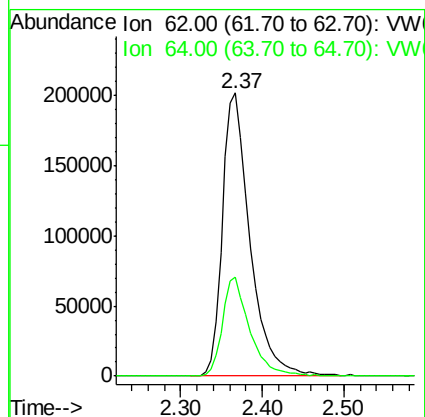
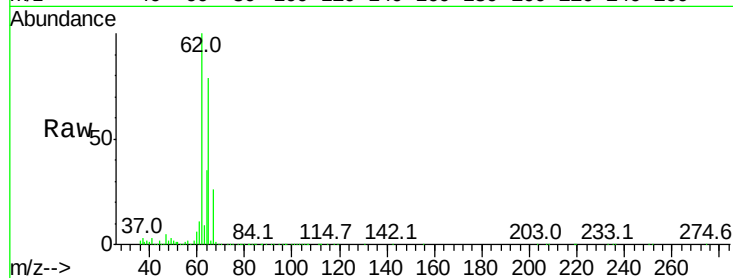
VSTD02503

Tgt Ion: 62 Resp: 473959

Ion Ratio Lower Upper

62 100

64 34.8 21.8 40.4



#6

Bromomethane

Concen: 23.058 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW014212.D

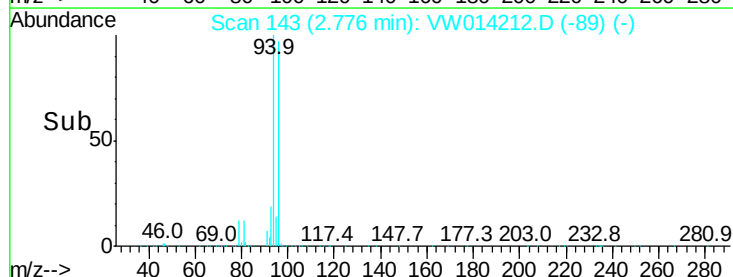
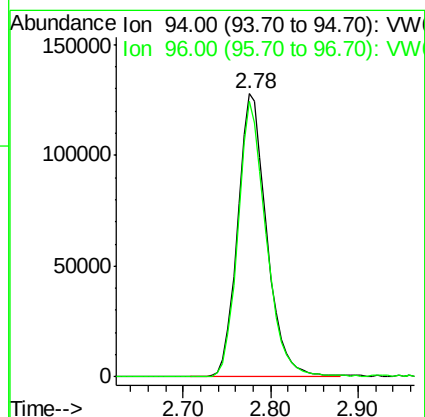
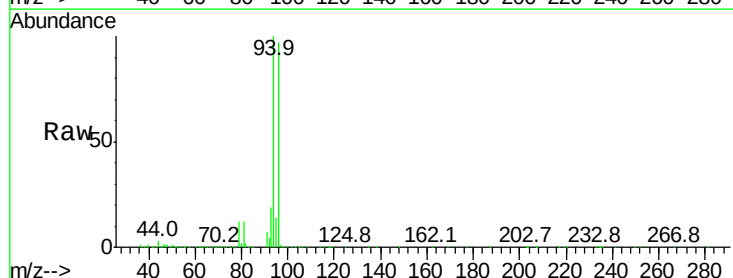
Acq: 05 Dec 2019 13:14

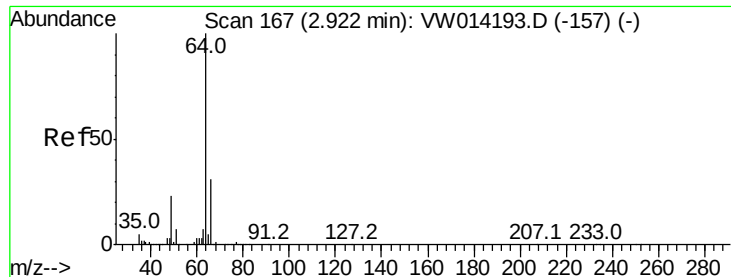
Tgt Ion: 94 Resp: 294464

Ion Ratio Lower Upper

94 100

96 94.7 9.4 178.8

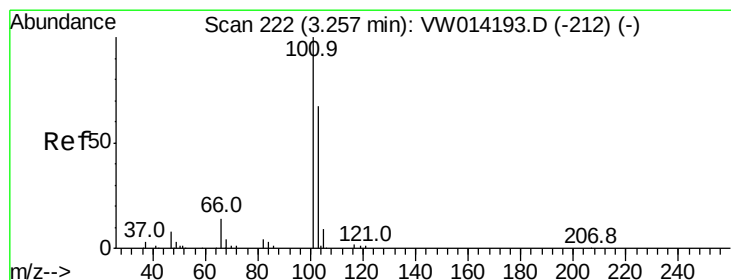
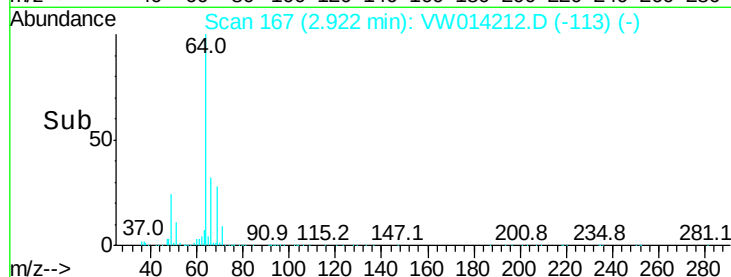
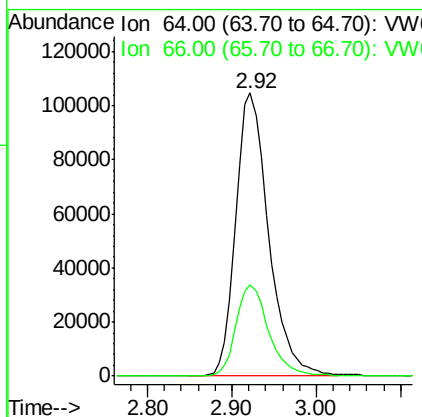
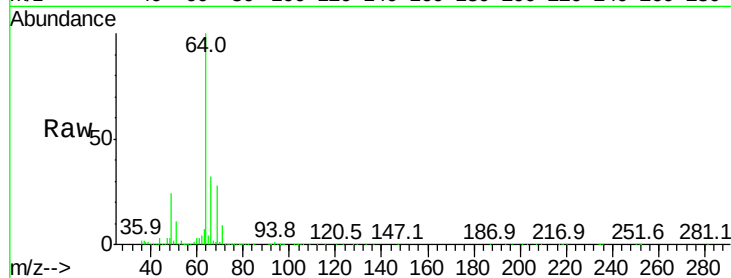




#8
Chloroethane
Concen: 22.432 ug/L
RT: 2.92 min Scan# 167
Delta R.T. 0.00 min
Lab File: VW014212.D
Acq: 05 Dec 2019 13:14

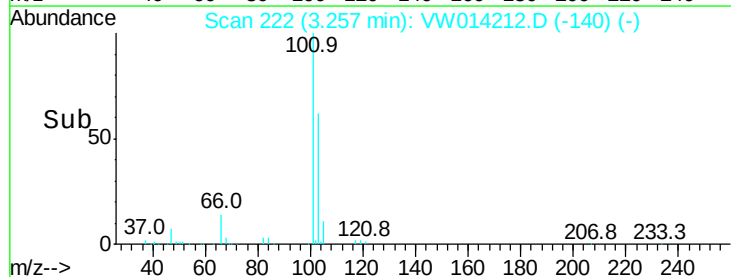
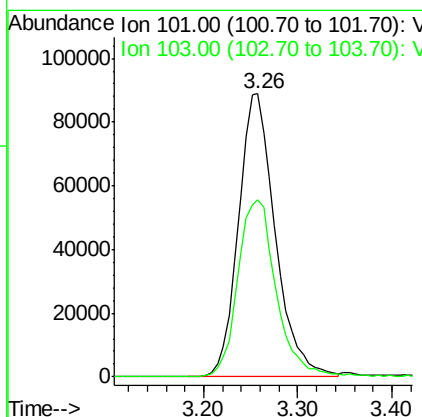
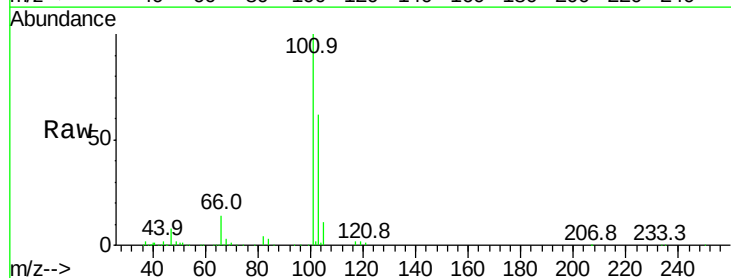
Instrument :
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ClientSampleId :
VSTD02503

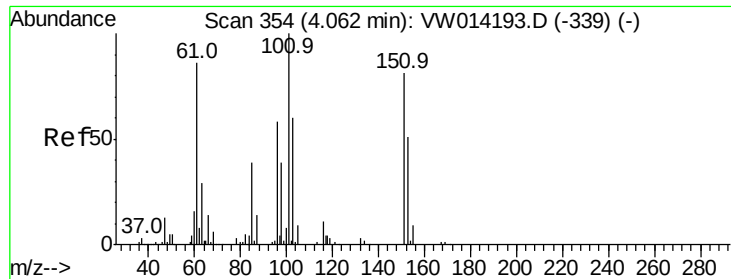
Tgt Ion: 64 Resp: 275221
Ion Ratio Lower Upper
64 100
66 32.1 21.2 39.4



#9
Trichlorofluoromethane
Concen: 17.302 ug/L
RT: 3.26 min Scan# 222
Delta R.T. 0.00 min
Lab File: VW014212.D
Acq: 05 Dec 2019 13:14

Tgt Ion: 101 Resp: 243356
Ion Ratio Lower Upper
101 100
103 64.7 45.4 84.2





#11

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

Concen: 21.649 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW014212.D

Acq: 05 Dec 2019 13:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD02503

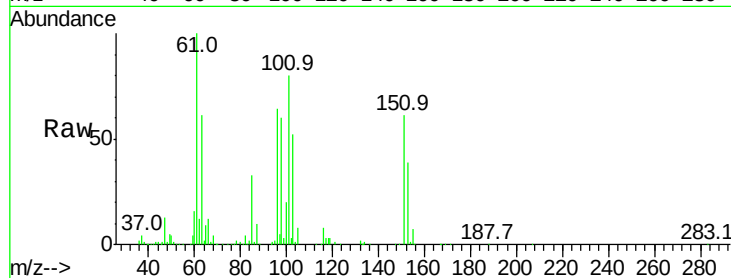
Tgt Ion:101 Resp: 449612

Ion Ratio Lower Upper

101 100

85 41.0 31.4 47.2

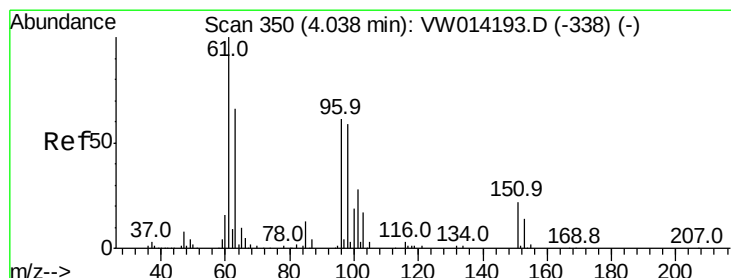
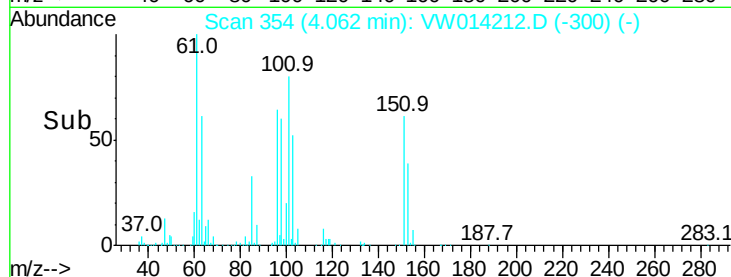
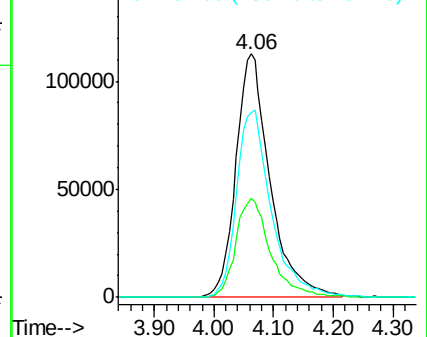
151 77.9 66.9 100.3



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: 21.519 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.01 min

Lab File: VW014212.D

Acq: 05 Dec 2019 13:14

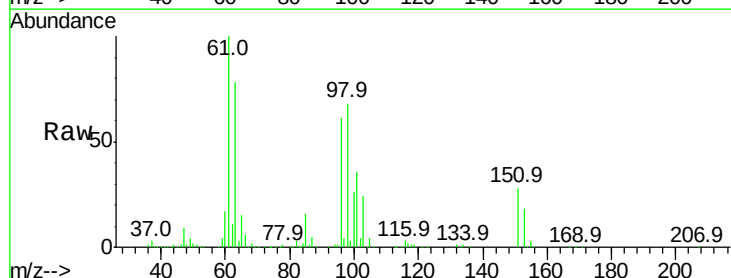
Tgt Ion: 96 Resp: 454284

Ion Ratio Lower Upper

96 100

61 163.6 109.8 204.0

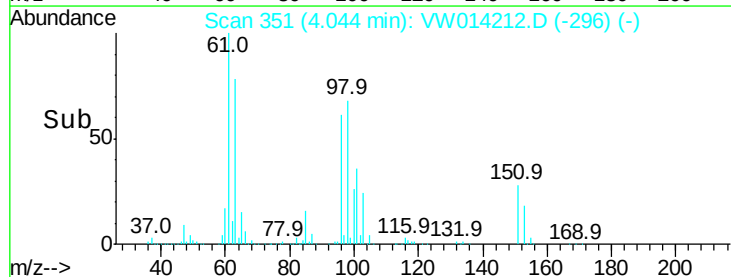
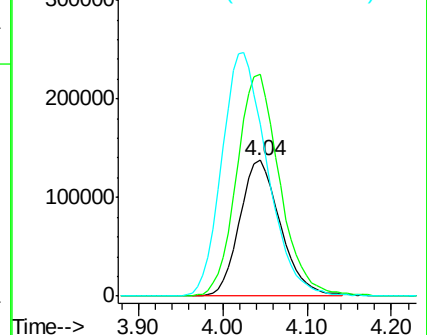
63 127.3 80.7 149.9

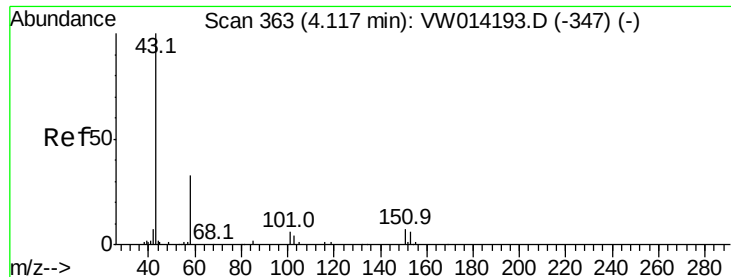


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 27.118 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

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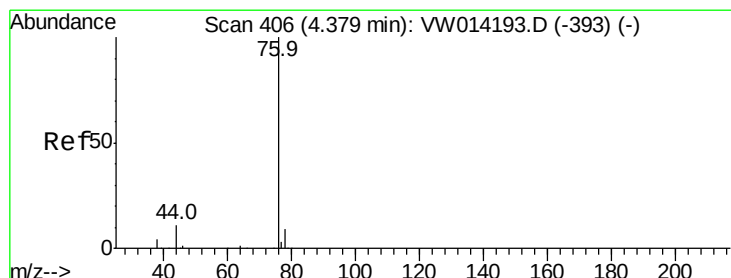
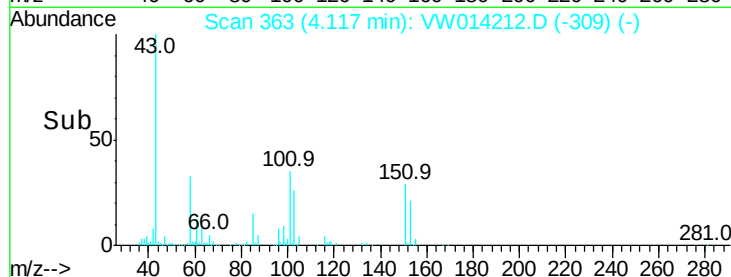
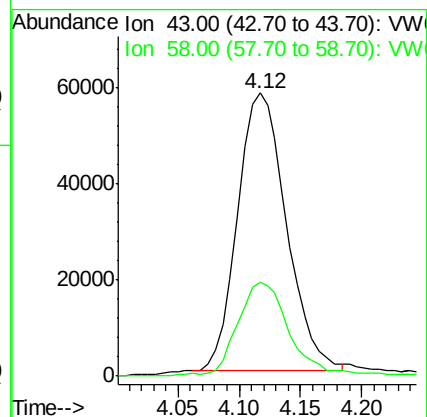
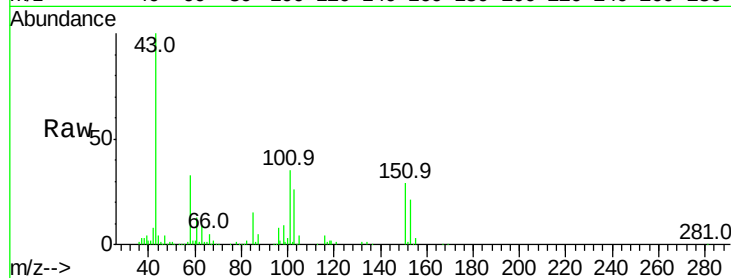
VSTD02503

Tgt Ion: 43 Resp: 159953

Ion Ratio Lower Upper

43 100

58 33.0 0.0 65.4



#14

Carbon disulfide

Concen: 23.211 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.01 min

Lab File: VW014212.D

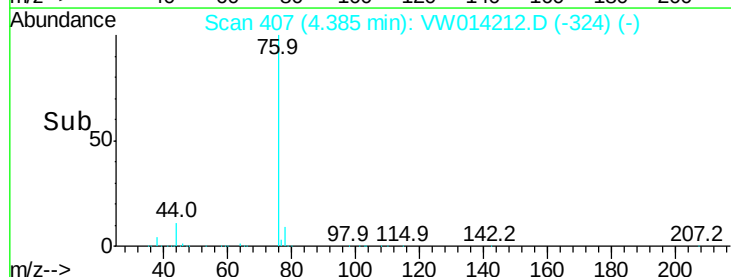
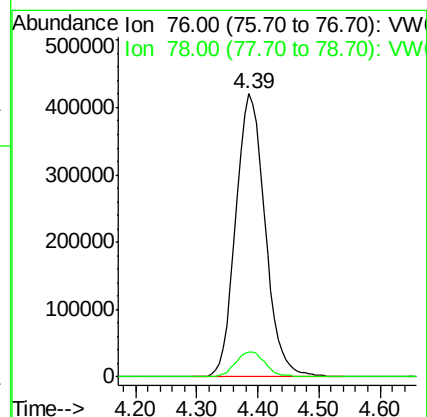
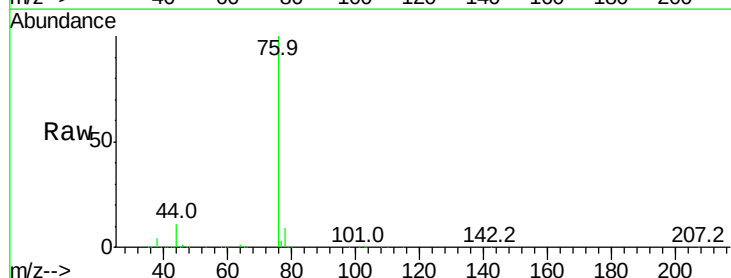
Acq: 05 Dec 2019 13:14

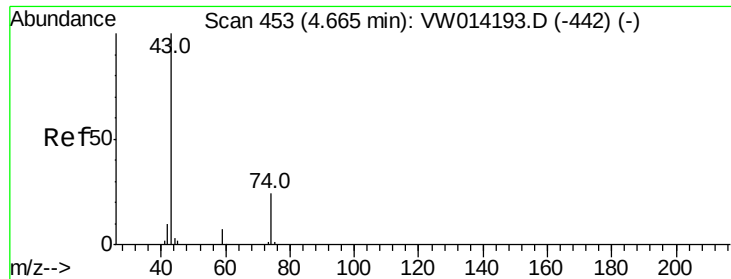
Tgt Ion: 76 Resp: 1394644

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8

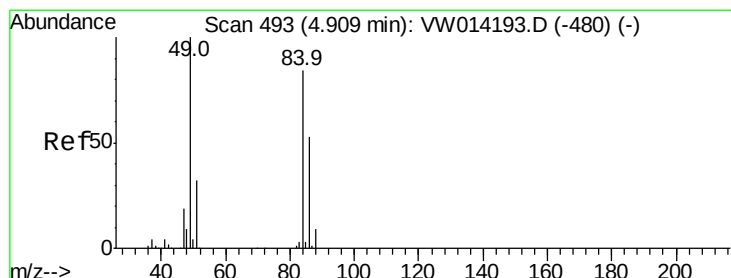
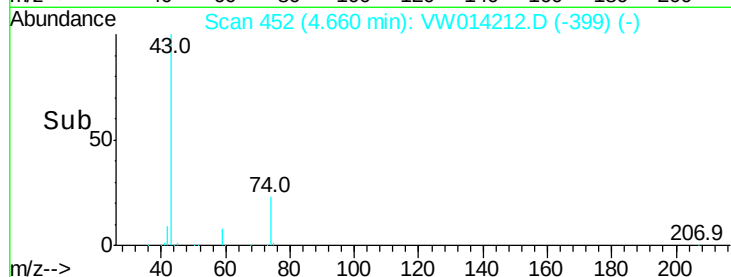
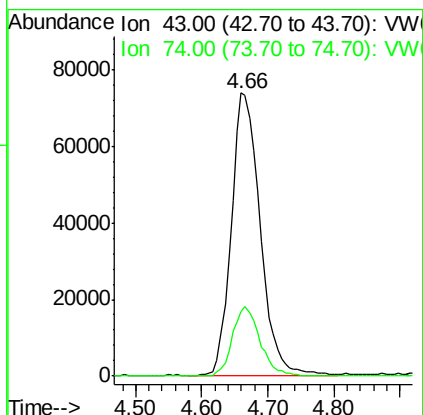
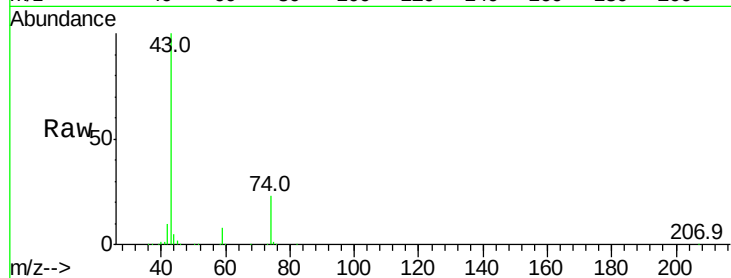




#15
Methyl Acetate
Concen: 23.403 ug/L
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW014212.D
Acq: 05 Dec 2019 13:14

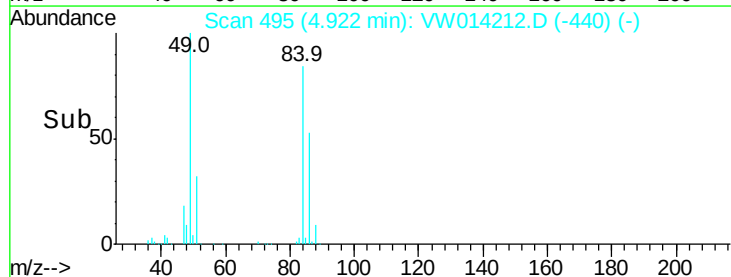
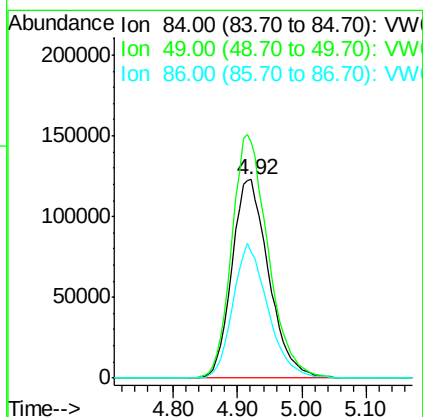
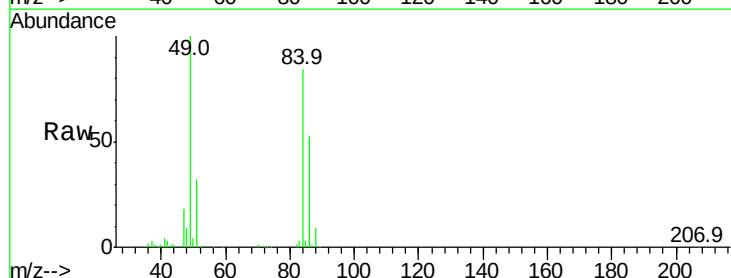
Instrument :
MSVOA_W
ClientSampleId :
VSTD02503

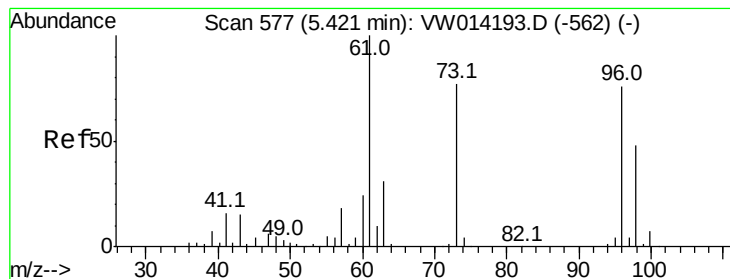
Tgt Ion: 43 Resp: 223346
Ion Ratio Lower Upper
43 100
74 23.5 19.3 28.9



#16
Methylene chloride
Concen: 20.300 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW014212.D
Acq: 05 Dec 2019 13:14

Tgt Ion: 84 Resp: 488728
Ion Ratio Lower Upper
84 100
49 118.8 84.2 156.4
86 63.1 43.7 81.1

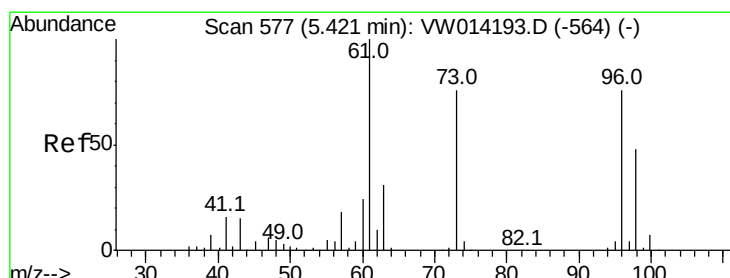
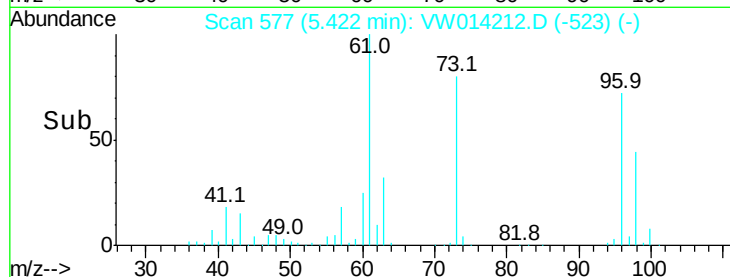
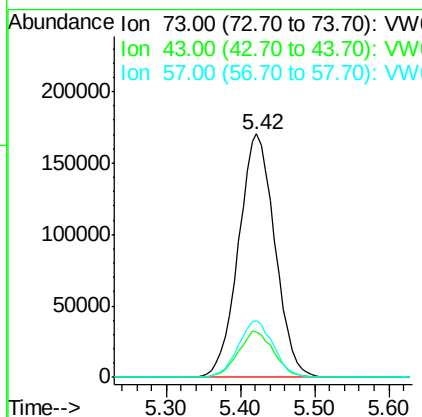
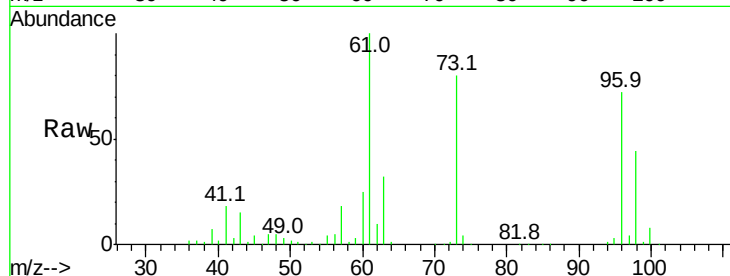




#17
Methyl tert-butyl Ether
Concen: 21.364 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW014212.D
Acq: 05 Dec 2019 13:14

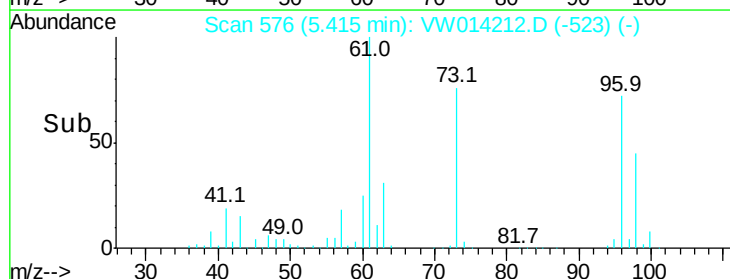
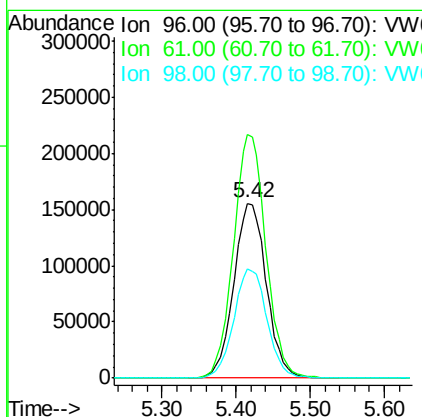
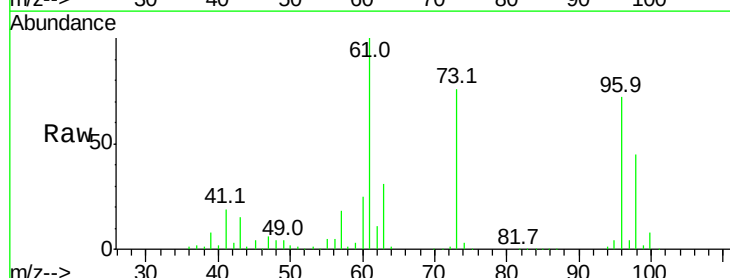
Instrument :
MSVOA_W
ClientSampleId :
VSTD02503

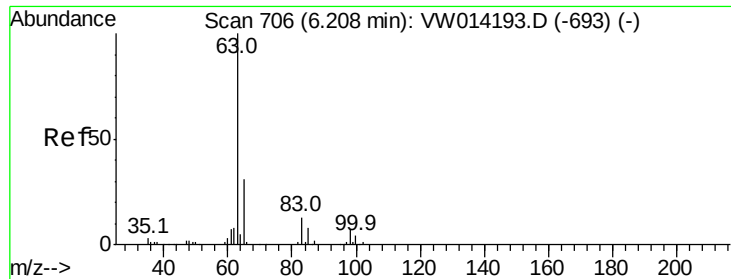
Tgt Ion:	73	Resp:	581855
Ion	Ratio	Lower	Upper
73	100		
43	18.4	15.5	23.3
57	22.7	18.2	27.4



#18
trans-1,2-Dichloroethene
Concen: 21.669 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW014212.D
Acq: 05 Dec 2019 13:14

Tgt Ion:	96	Resp:	477031
Ion	Ratio	Lower	Upper
96	100		
61	139.5	90.6	168.2
98	62.6	42.9	79.7





#19

1,1-Dichloroethane

Concen: 23.251 ug/L

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW014212.D

Acq: 05 Dec 2019 13:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD02503

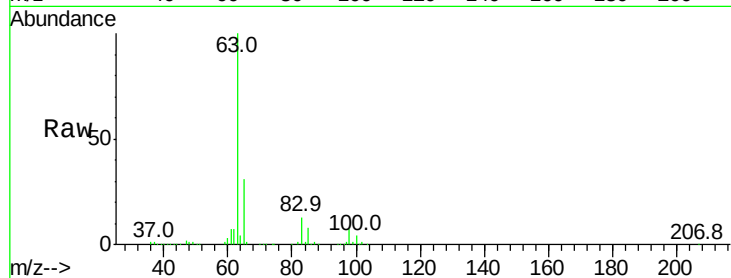
Tgt Ion: 63 Resp: 862187

Ion Ratio Lower Upper

63 100

65 31.0 22.1 41.1

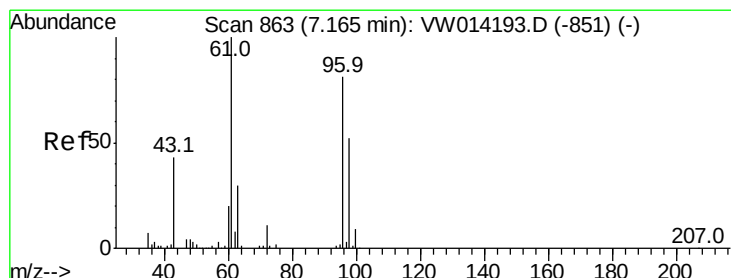
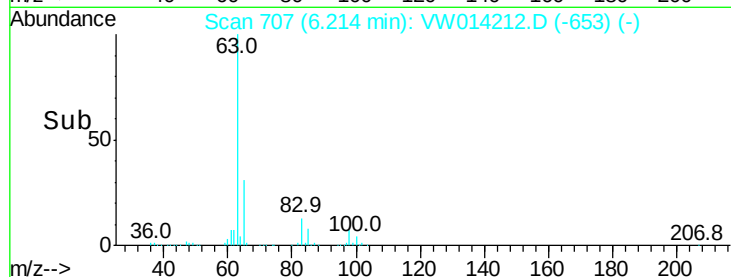
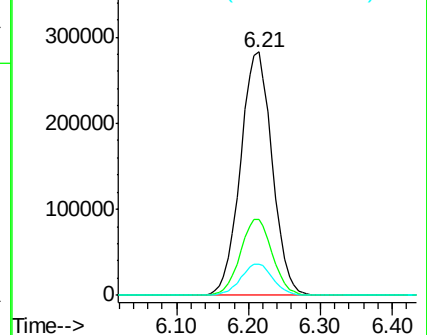
83 12.8 9.0 16.6



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: 37.774 ug/L

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW014212.D

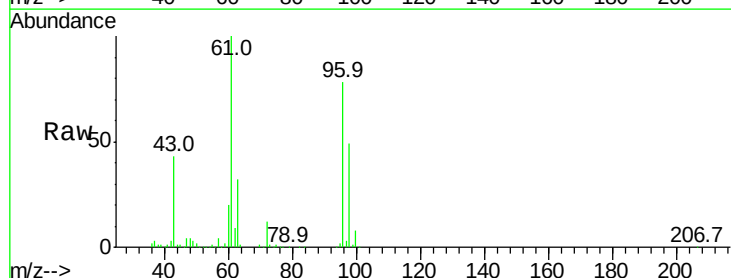
Acq: 05 Dec 2019 13:14

Tgt Ion: 43 Resp: 286249

Ion Ratio Lower Upper

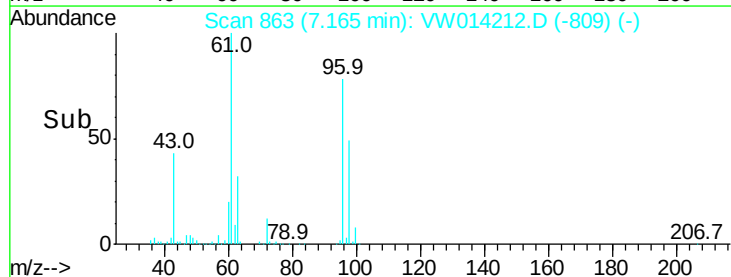
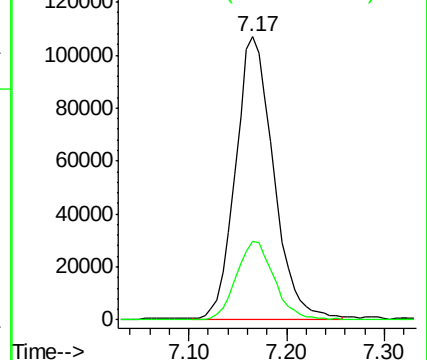
43 100

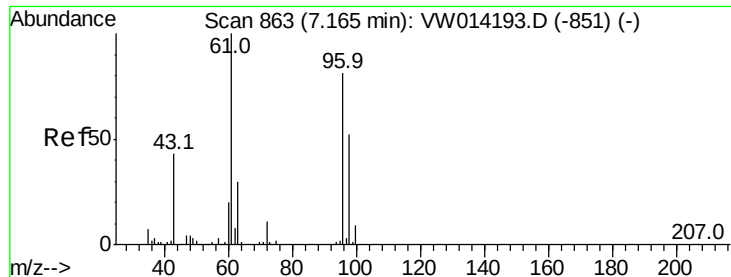
72 27.6 14.1 42.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



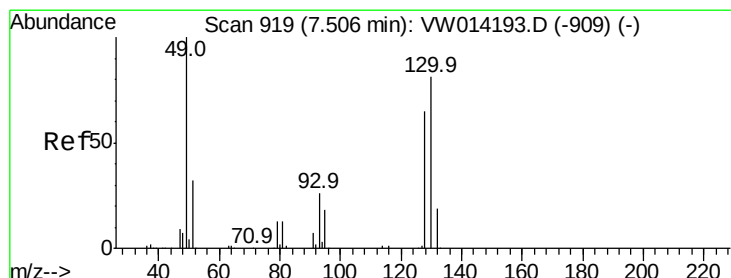
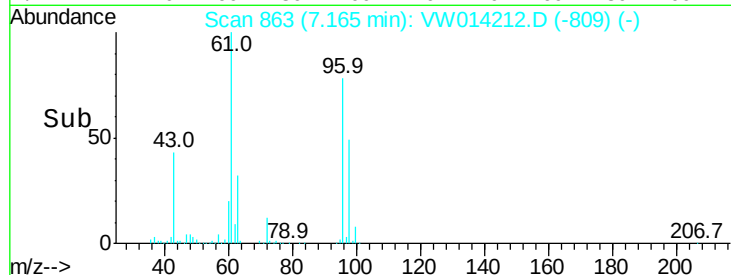
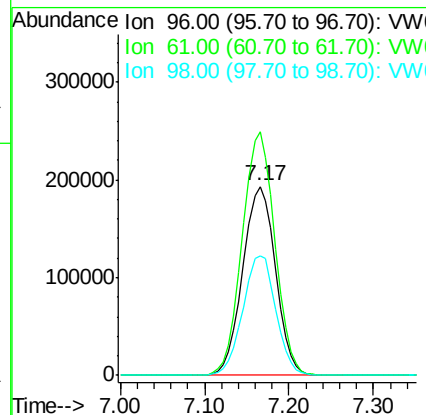
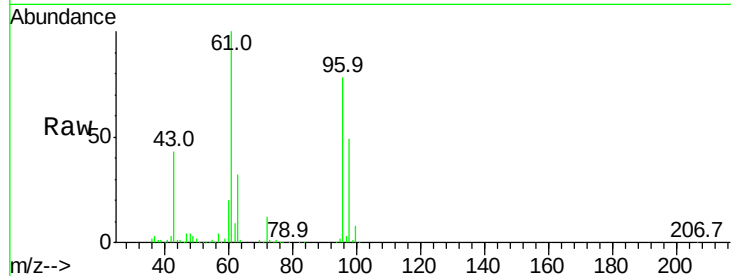


#22

cis-1,2-Dichloroethene
Concen: 22.050 ug/L
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW014212.D
Acq: 05 Dec 2019 13:14

Instrument :
MSVOA_W
ClientSampleId :
VSTD02503

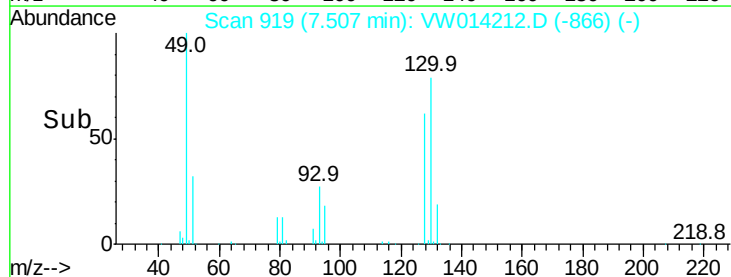
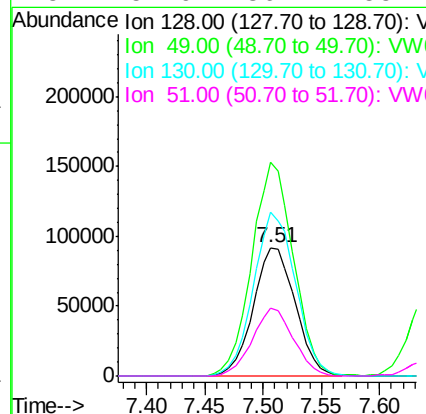
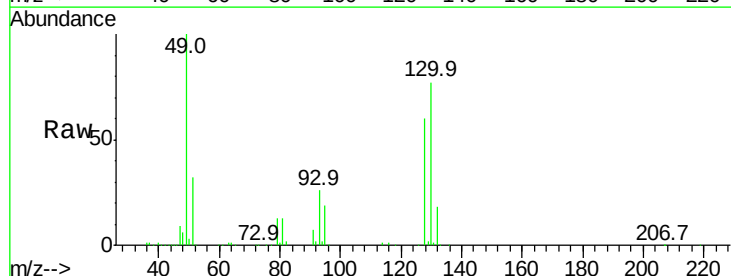
Tgt Ion: 96 Resp: 510815
Ion Ratio Lower Upper
96 100
61 128.9 86.9 161.5
98 63.3 45.5 84.5

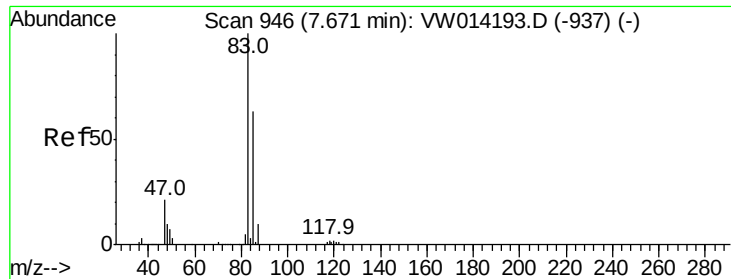


#23

Bromochloromethane
Concen: 22.567 ug/L
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW014212.D
Acq: 05 Dec 2019 13:14

Tgt Ion: 128 Resp: 229492
Ion Ratio Lower Upper
128 100
49 166.4 95.1 176.5
130 127.6 85.0 158.0
51 52.9 36.7 55.1





#25

Chloroform

Concen: 22.965 ug/L

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW014212.D

Acq: 05 Dec 2019 13:14

Instrument :

MSVOA_W

ClientSampleId :

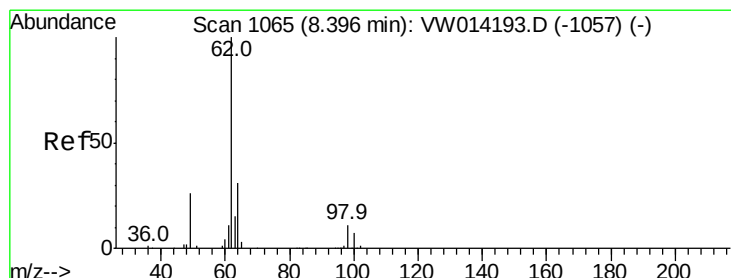
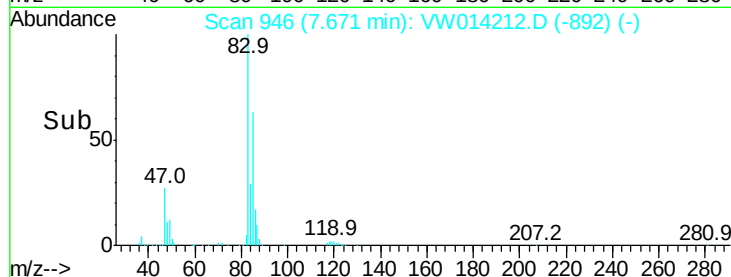
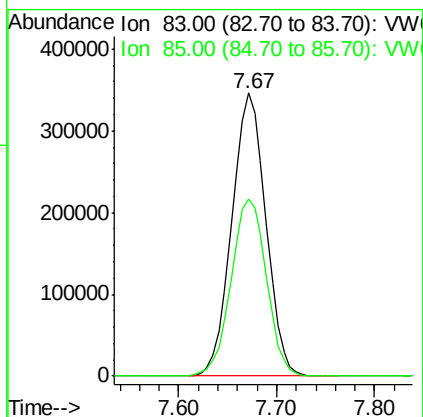
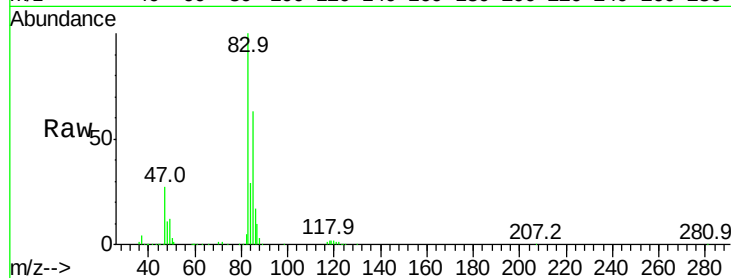
VSTD02503

Tgt Ion: 83 Resp: 836270

Ion Ratio Lower Upper

83 100

85 64.9 46.1 85.7



#27

1,2-Dichloroethane

Concen: 23.933 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW014212.D

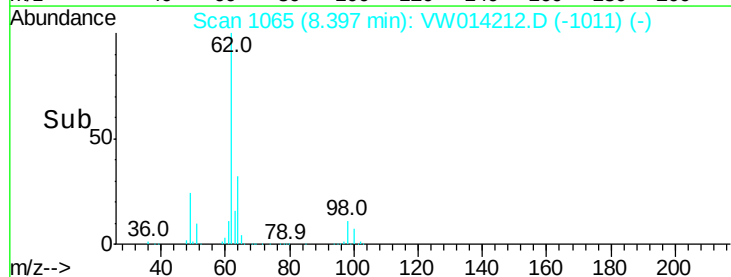
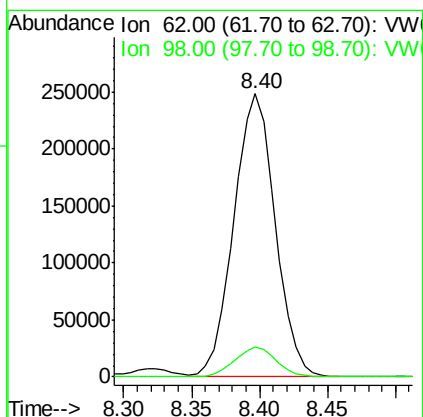
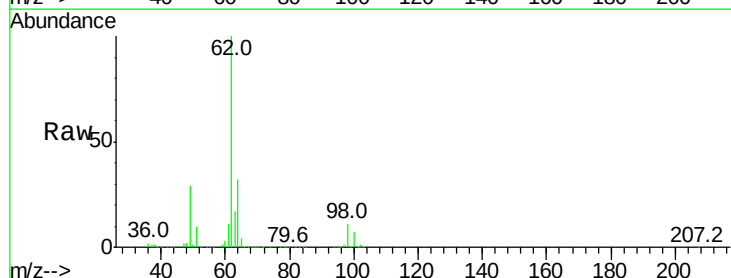
Acq: 05 Dec 2019 13:14

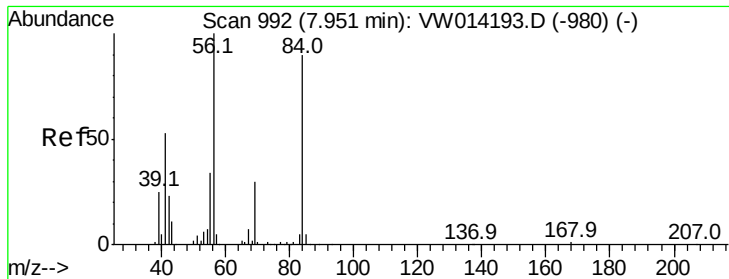
Tgt Ion: 62 Resp: 527657

Ion Ratio Lower Upper

62 100

98 10.7 9.3 13.9

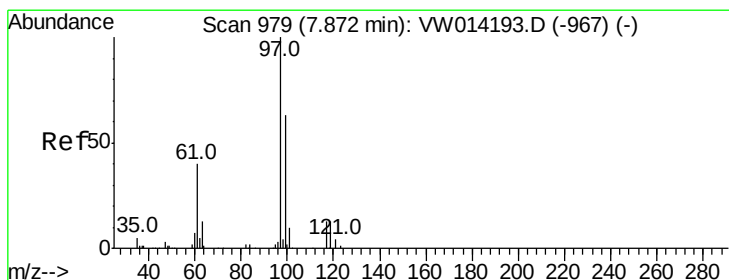
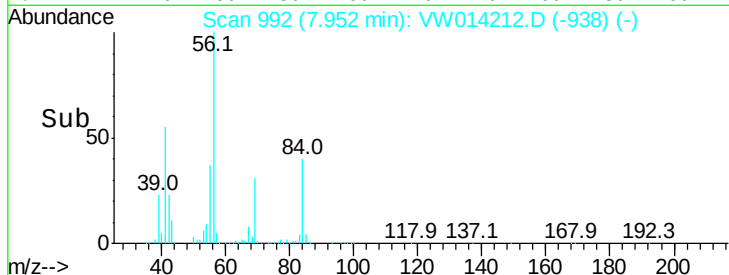
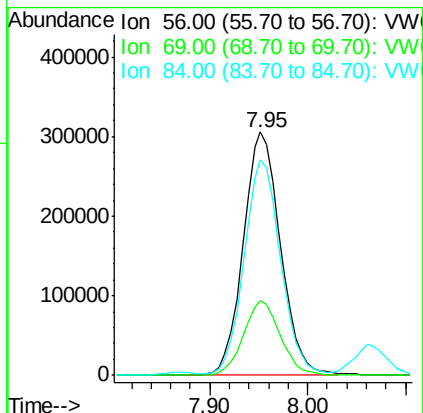
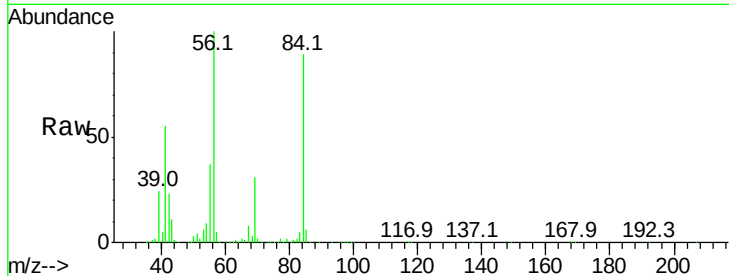




#30
Cyclohexane
Concen: 22.052 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW014212.D
Acq: 05 Dec 2019 13:14

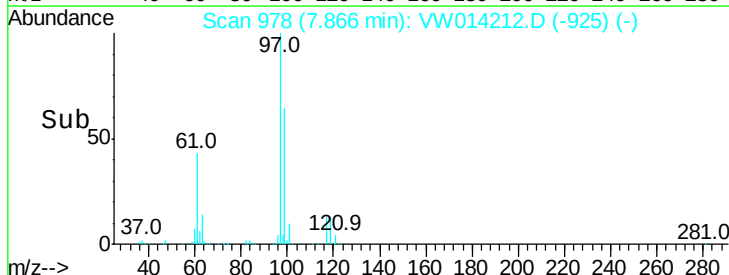
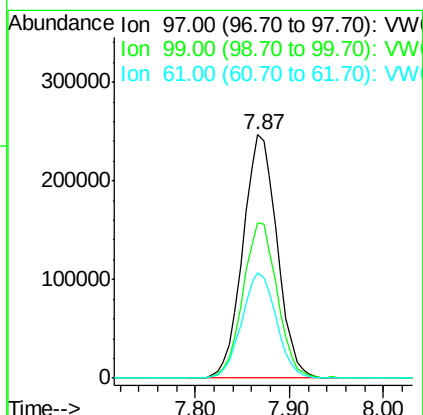
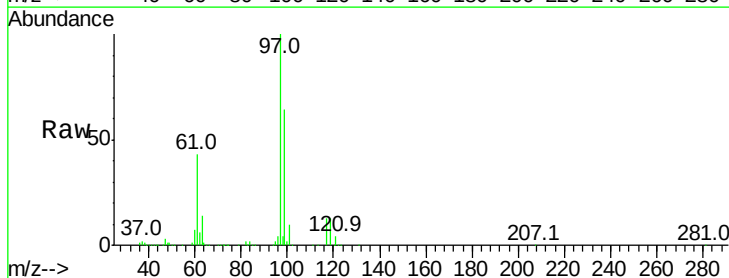
Instrument :
MSVOA_W
ClientSampleId :
VSTD02503

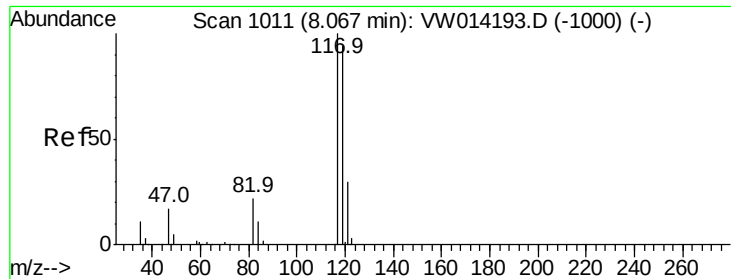
Tgt Ion: 56 Resp: 805123
Ion Ratio Lower Upper
56 100
69 30.4 24.6 37.0
84 87.3 70.2 105.2



#31
1,1,1-Trichloroethane
Concen: 21.876 ug/L
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW014212.D
Acq: 05 Dec 2019 13:14

Tgt Ion: 97 Resp: 625446
Ion Ratio Lower Upper
97 100
99 63.8 51.1 76.7
61 43.5 32.8 49.2





#32

Carbon tetrachloride

Concen: 21.294 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.01 min

Lab File: VW014212.D

Acq: 05 Dec 2019 13:14

Instrument :

MSVOA_W

ClientSampled :

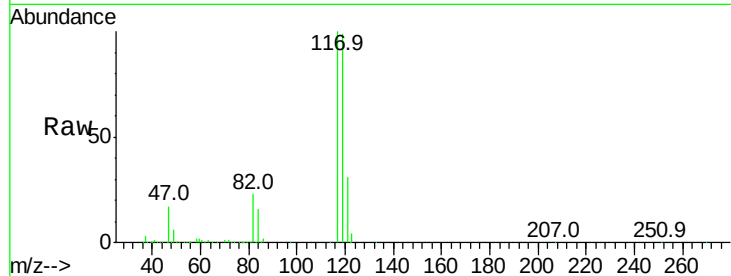
VSTD02503

Tgt Ion:117 Resp: 584428

Ion Ratio Lower Upper

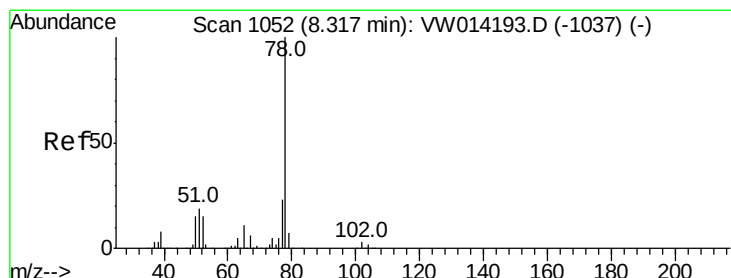
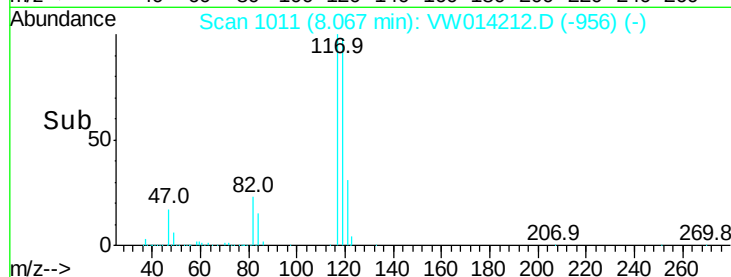
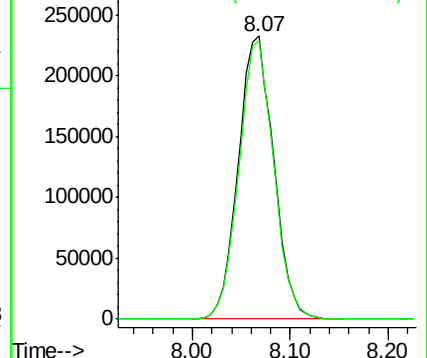
117 100

119 96.7 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: 23.386 ug/L

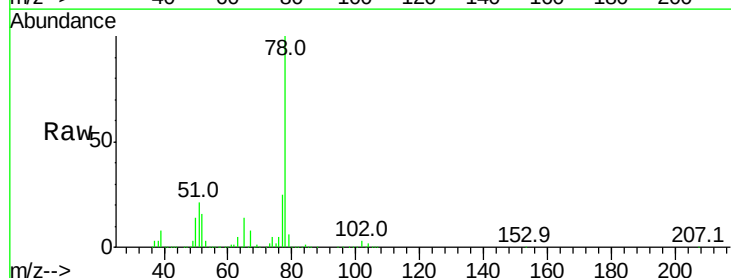
RT: 8.32 min Scan# 1052

Delta R.T. 0.00 min

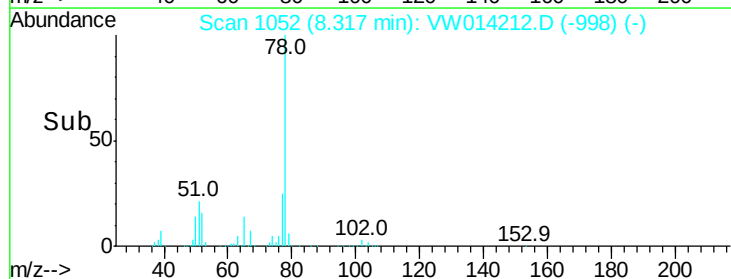
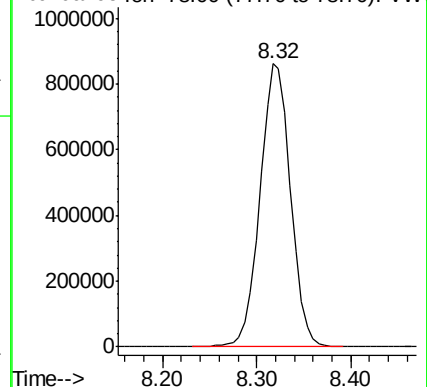
Lab File: VW014212.D

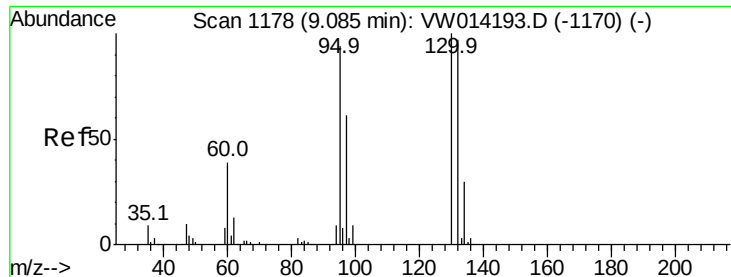
Acq: 05 Dec 2019 13:14

Tgt Ion: 78 Resp: 1956961



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 22.080 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW014212.D

Acq: 05 Dec 2019 13:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD02503

Tgt Ion: 95 Resp: 492879

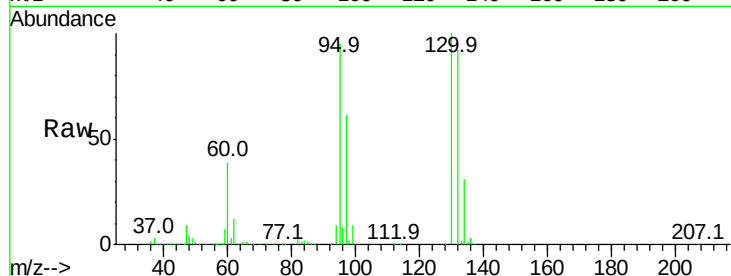
Ion Ratio Lower Upper

95 100

97 64.1 45.1 83.9

132 99.6 73.7 136.9

130 104.5 76.6 142.2

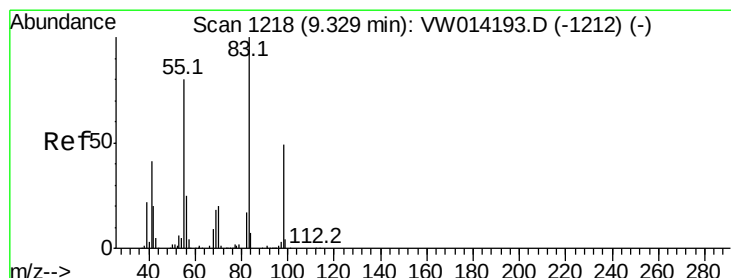
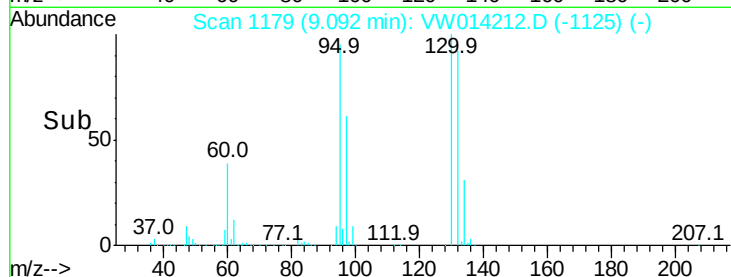
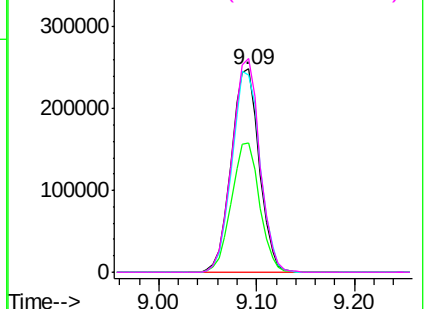


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#36

Methylcyclohexane

Concen: 22.012 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW014212.D

Acq: 05 Dec 2019 13:14

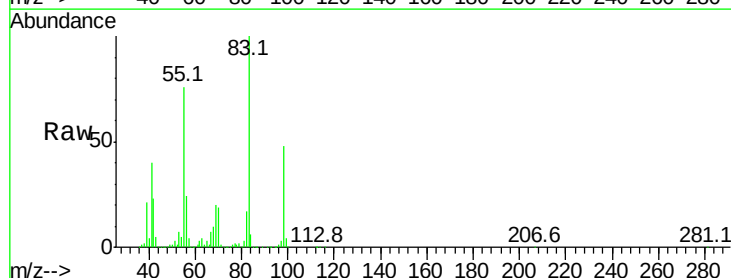
Tgt Ion: 83 Resp: 881011

Ion Ratio Lower Upper

83 100

55 76.7 59.8 89.8

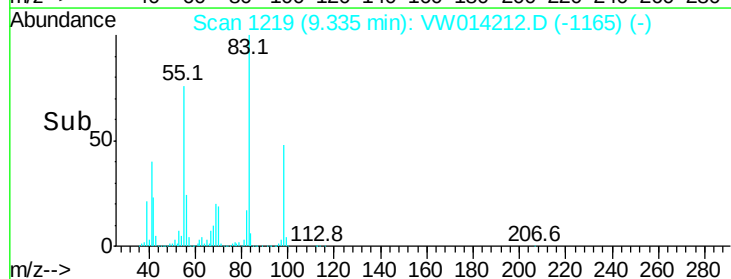
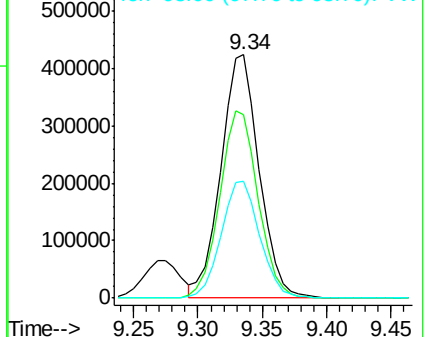
98 47.7 39.5 59.3

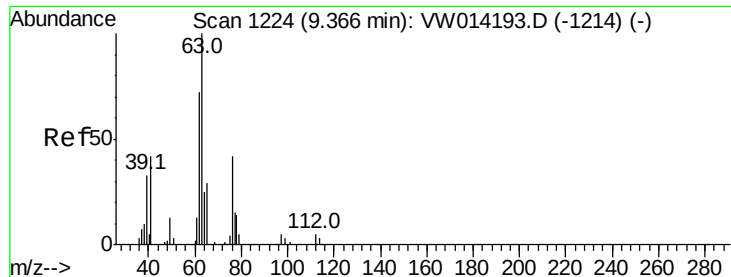


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

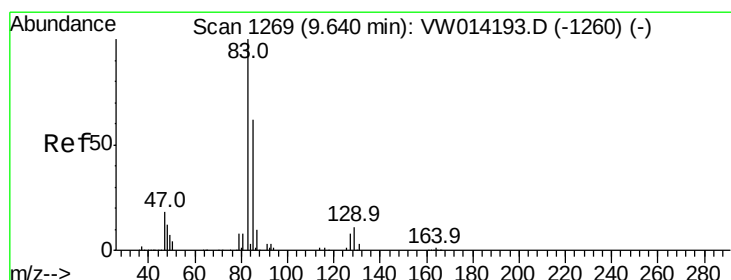
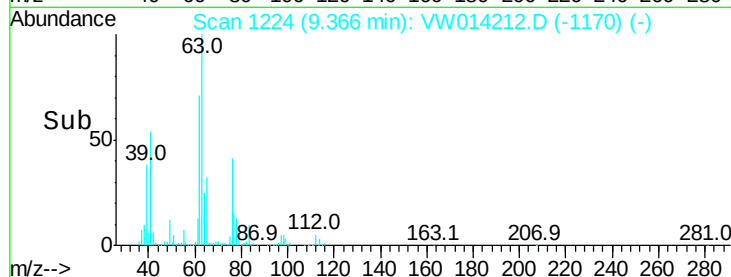
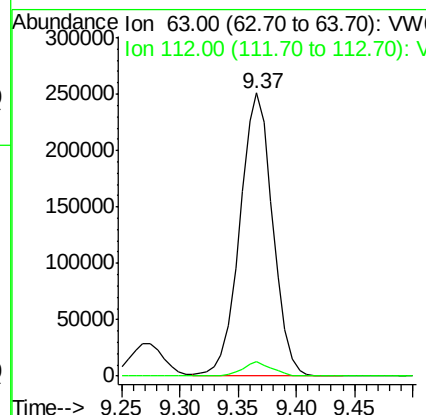
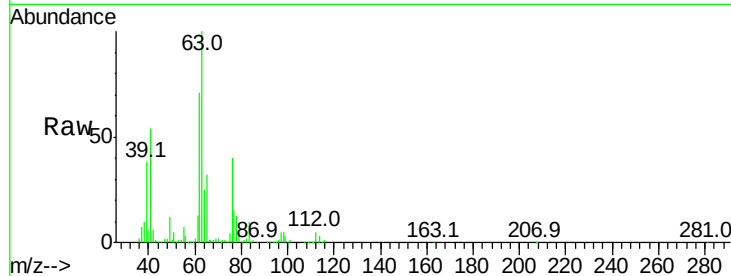




#40
 1,2-Dichloropropane
 Concen: 24.501 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW014212.D
 Acq: 05 Dec 2019 13:14

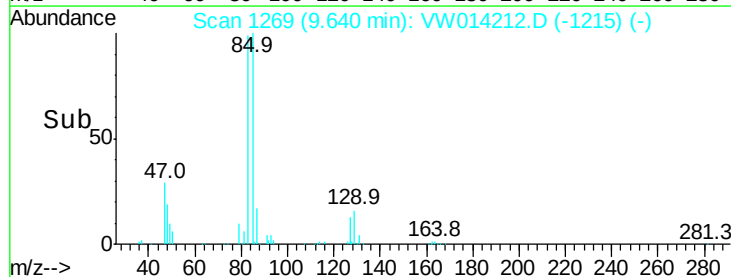
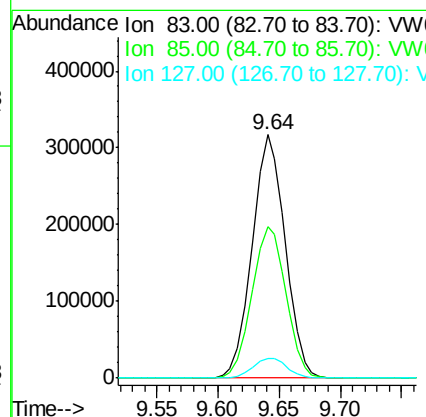
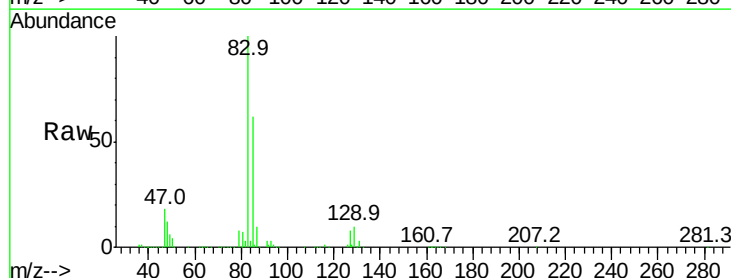
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02503

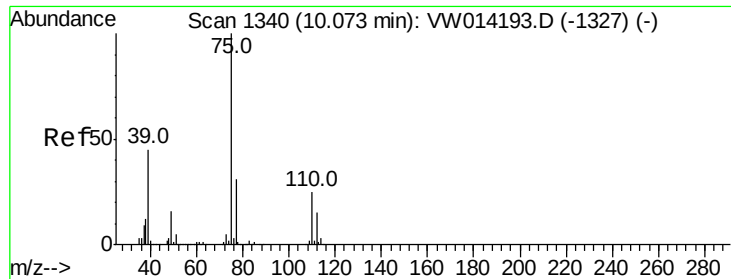
Tgt Ion: 63 Resp: 493556
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.9 5.9



#41
 Bromodichloromethane
 Concen: 24.515 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW014212.D
 Acq: 05 Dec 2019 13:14

Tgt Ion: 83 Resp: 597013
 Ion Ratio Lower Upper
 83 100
 85 62.1 45.1 83.7
 127 8.2 7.4 11.0





#42

cis-1,3-Dichloropropene

Concen: 23.771 ug/L

RT: 10.07 min Scan# 1339

Delta R.T. 0.00 min

Lab File: VW014212.D

Acq: 05 Dec 2019 13:14

Instrument :

MSVOA_W

ClientSampleId :

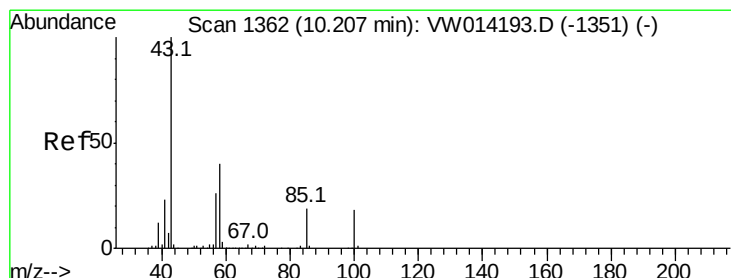
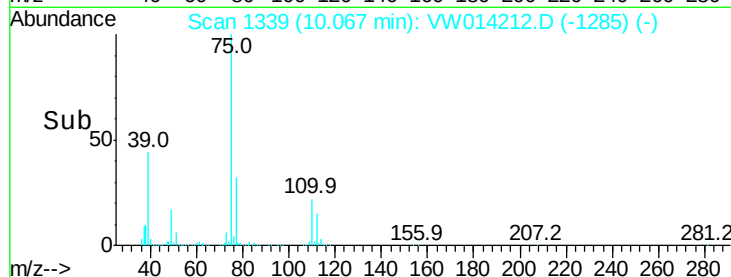
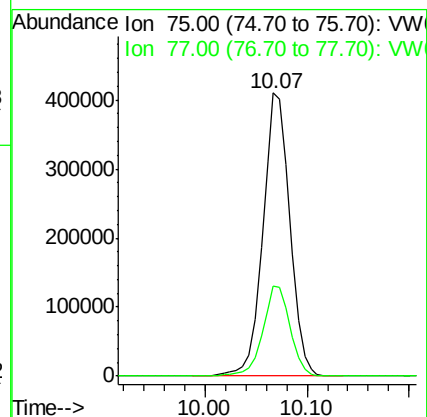
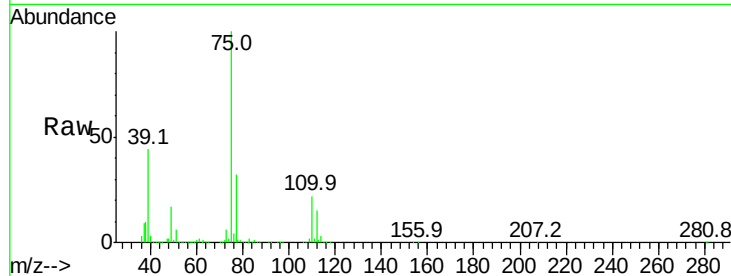
VSTD02503

Tgt Ion: 75 Resp: 755671

Ion Ratio Lower Upper

75 100

77 31.6 22.1 41.1



#43

4-Methyl-2-pentanone

Concen: 46.928 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW014212.D

Acq: 05 Dec 2019 13:14

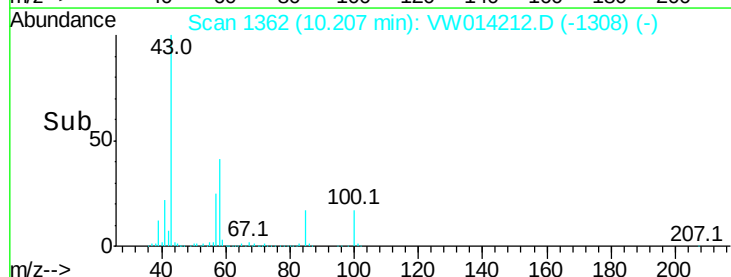
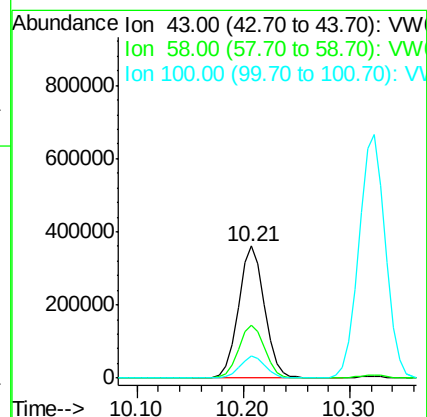
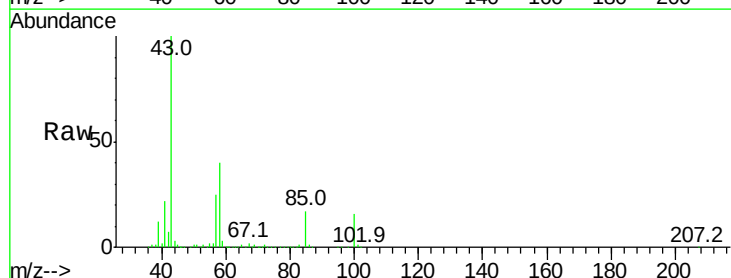
Tgt Ion: 43 Resp: 624162

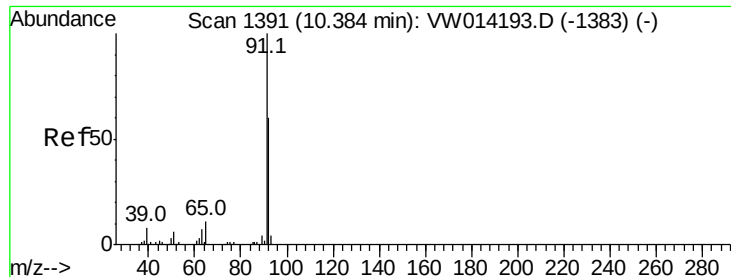
Ion Ratio Lower Upper

43 100

58 40.5 32.6 49.0

100 16.4 13.8 20.8





#44

Toluene

Concen: 22.877 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW014212.D

Acq: 05 Dec 2019 13:14

Instrument :

MSVOA_W

ClientSampleId :

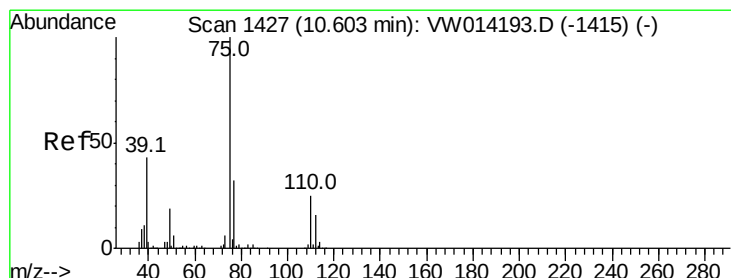
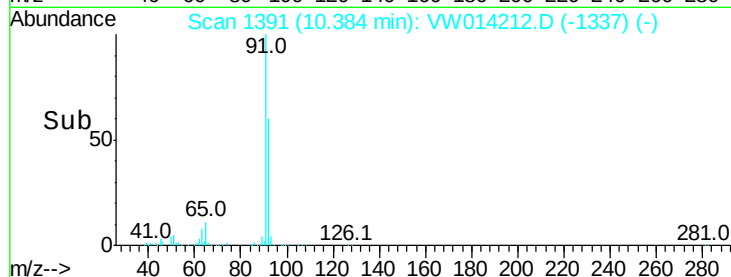
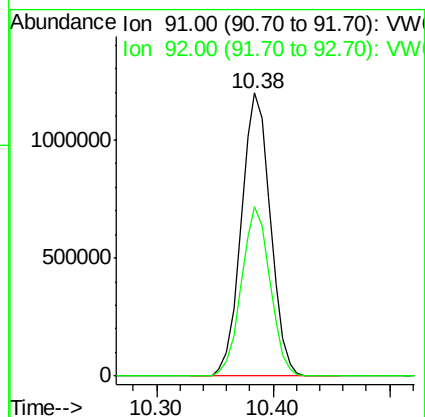
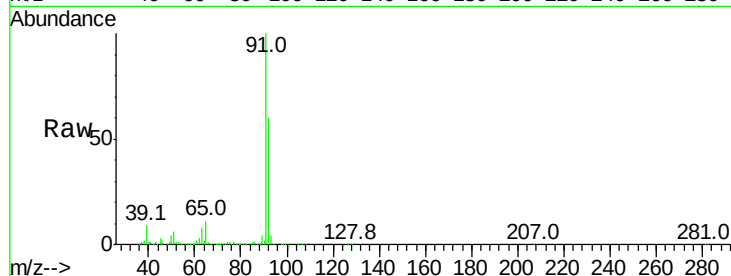
VSTD02503

Tgt Ion: 91 Resp: 2087176

Ion Ratio Lower Upper

91 100

92 59.7 40.7 75.7



#45

trans-1,3-Dichloropropene

Concen: 23.916 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW014212.D

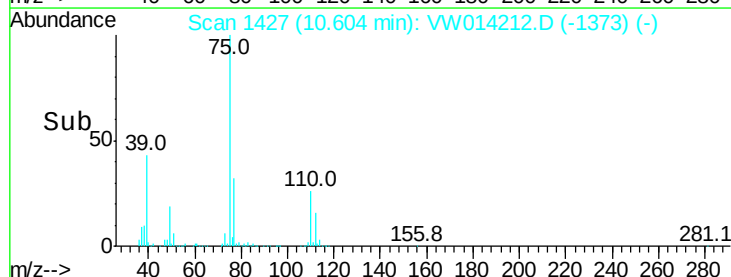
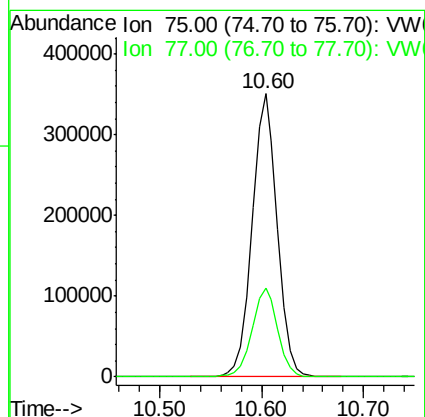
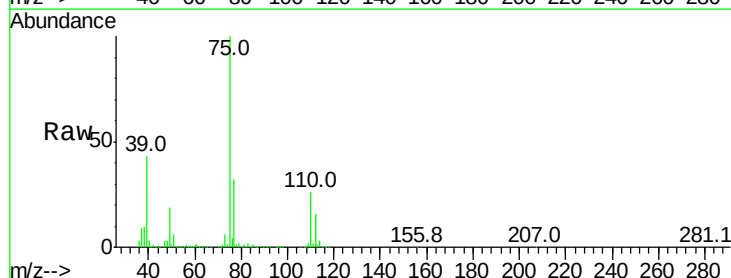
Acq: 05 Dec 2019 13:14

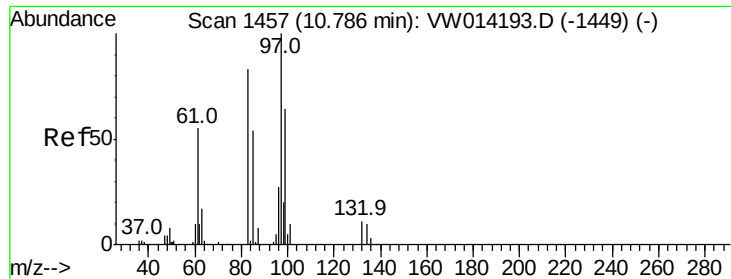
Tgt Ion: 75 Resp: 601233

Ion Ratio Lower Upper

75 100

77 31.5 21.8 40.6

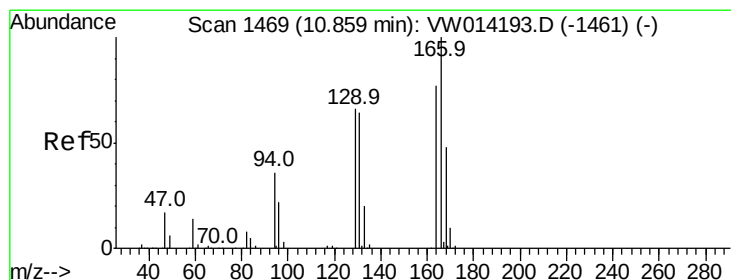
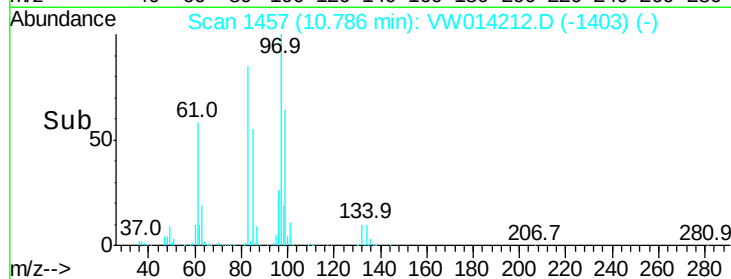
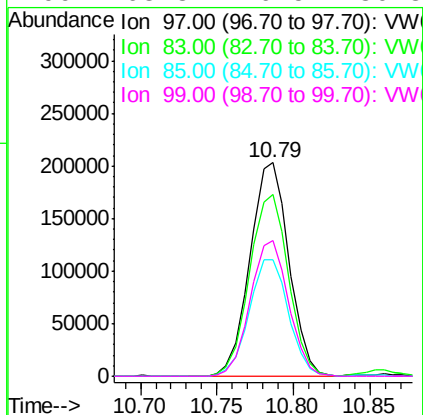
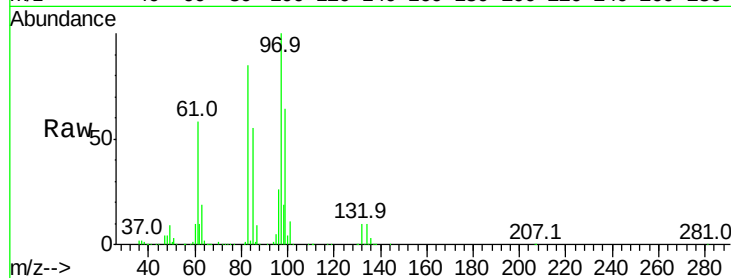




#46
 1,1,2-Trichloroethane
 Concen: 24.373 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW014212.D
 Acq: 05 Dec 2019 13:14

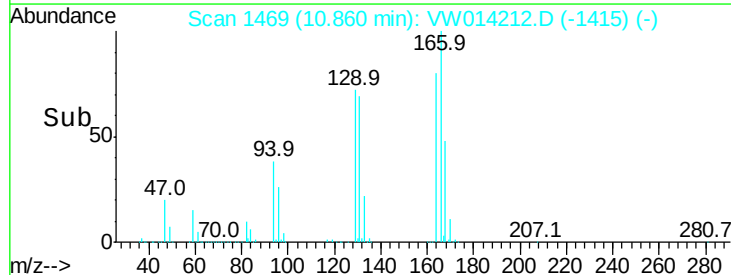
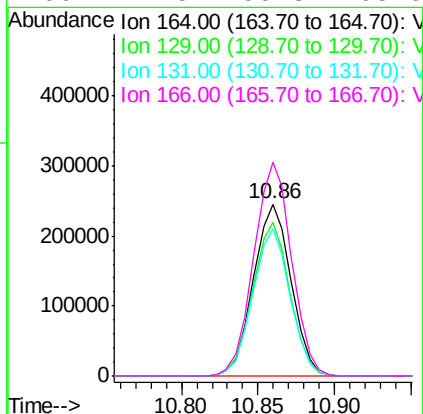
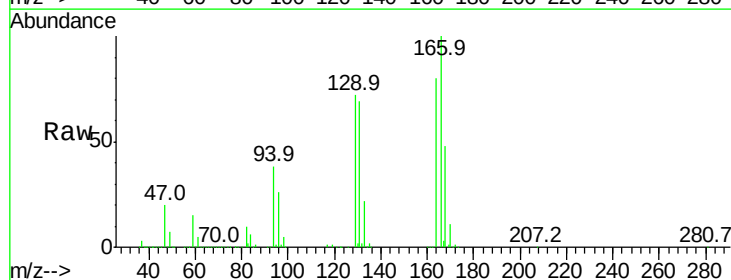
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02503

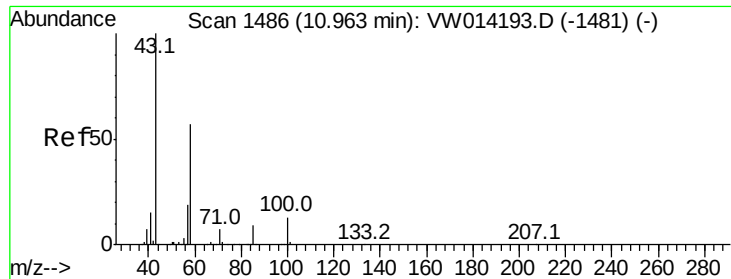
Tgt Ion:	97	Resp:	360753
Ion	Ratio	Lower	Upper
97	100		
83	85.2	58.9	109.5
85	54.6	38.1	70.9
99	63.8	46.5	86.3



#47
 Tetrachloroethene
 Concen: 21.092 ug/L
 RT: 10.86 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VW014212.D
 Acq: 05 Dec 2019 13:14

Tgt Ion:	164	Resp:	419649
Ion	Ratio	Lower	Upper
164	100		
129	89.4	60.6	112.6
131	86.0	59.1	109.7
166	124.5	90.8	168.6

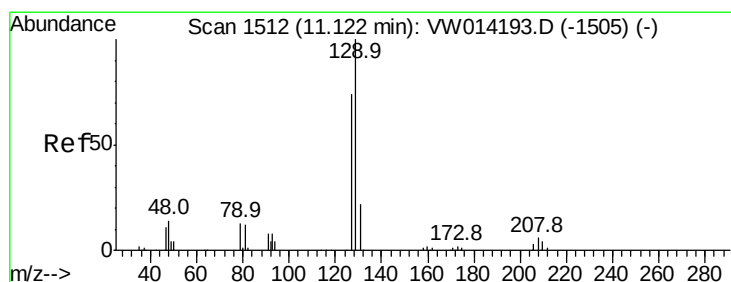
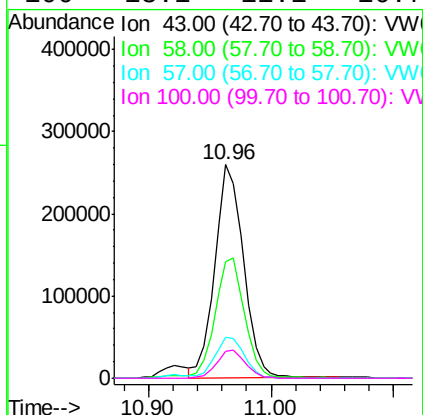
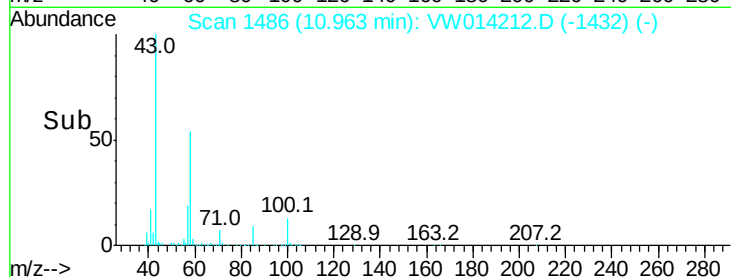
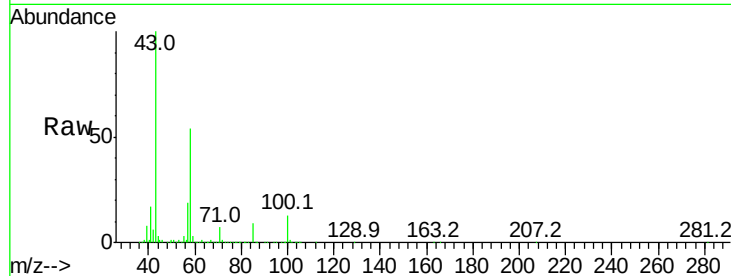




#49
2-Hexanone
Concen: 44.110 ug/L
RT: 10.96 min Scan# 1486
Delta R.T. 0.00 min
Lab File: VW014212.D
Acq: 05 Dec 2019 13:14

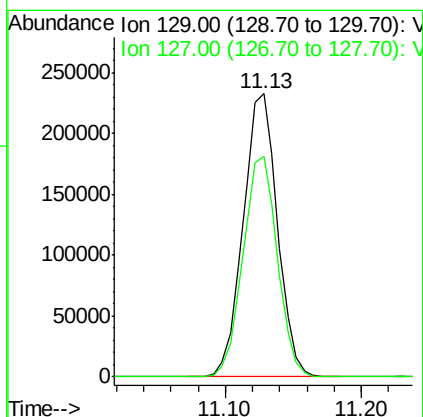
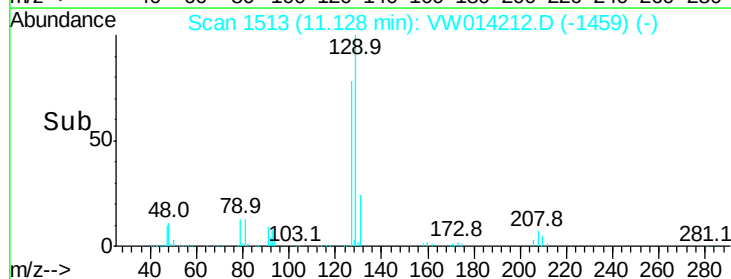
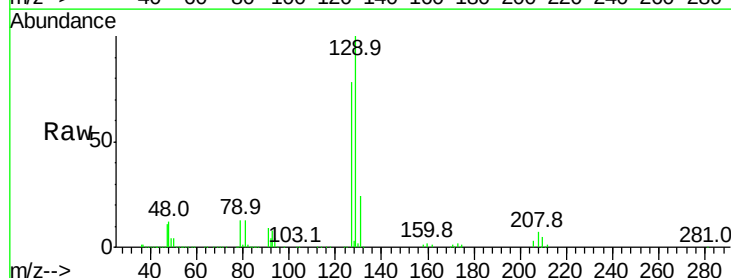
Instrument :
MSVOA_W
ClientSampleId :
VSTD02503

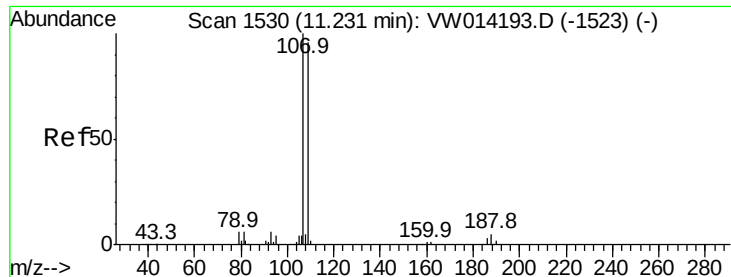
Tgt Ion:	43	Resp:	422973
Ion	Ratio	Lower	Upper
43	100		
58	58.1	44.4	66.6
57	20.3	16.5	24.7
100	13.1	11.1	16.7



#50
Dibromochloromethane
Concen: 23.576 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW014212.D
Acq: 05 Dec 2019 13:14

Tgt Ion:	129	Resp:	410169
Ion	Ratio	Lower	Upper
129	100		
127	77.7	54.9	102.1





#51

1,2-Dibromoethane

Concen: 23.534 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW014212.D

Acq: 05 Dec 2019 13:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD02503

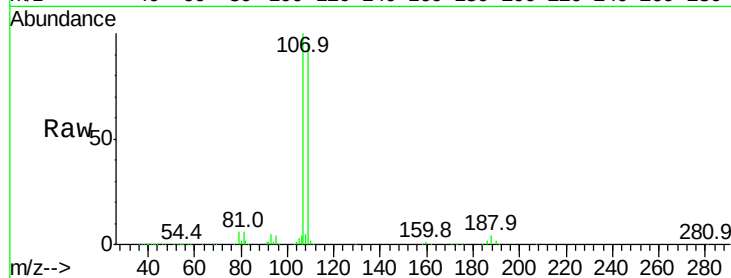
Tgt Ion:107 Resp: 337968

Ion Ratio Lower Upper

107 100

109 94.6 64.6 120.0

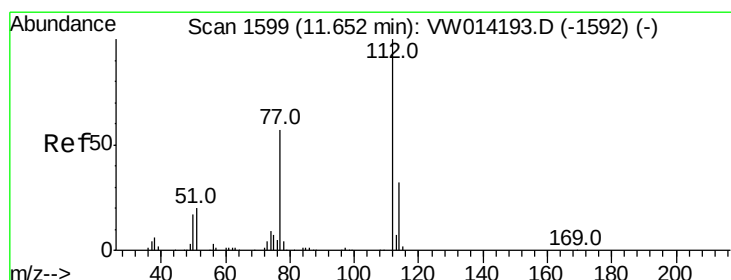
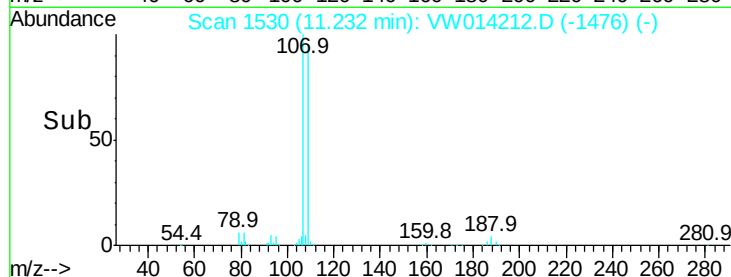
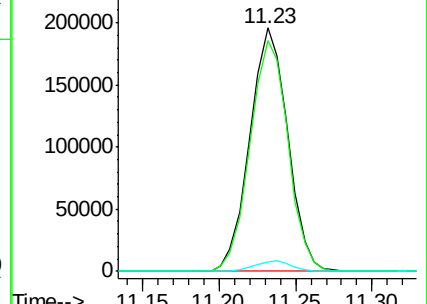
188 3.8 3.9 5.9#



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 22.746 ug/L

RT: 11.65 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VW014212.D

Acq: 05 Dec 2019 13:14

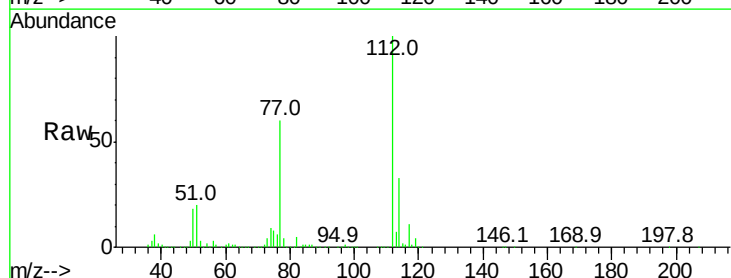
Tgt Ion:112 Resp: 1300969

Ion Ratio Lower Upper

112 100

77 60.3 42.2 63.4

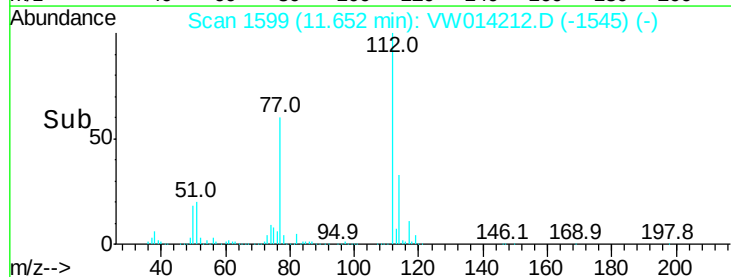
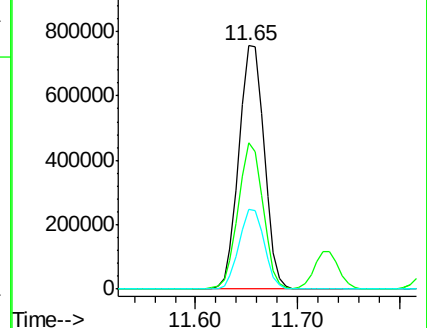
114 33.0 22.5 41.9

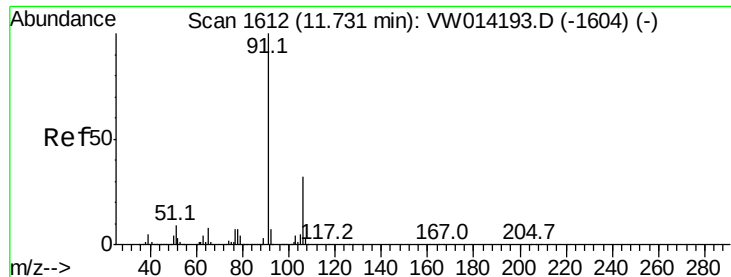


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 22.908 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.01 min

Lab File: VW014212.D

Acq: 05 Dec 2019 13:14

Instrument :

MSVOA_W

ClientSampleId :

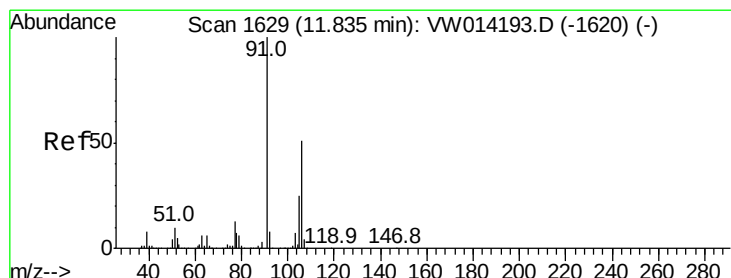
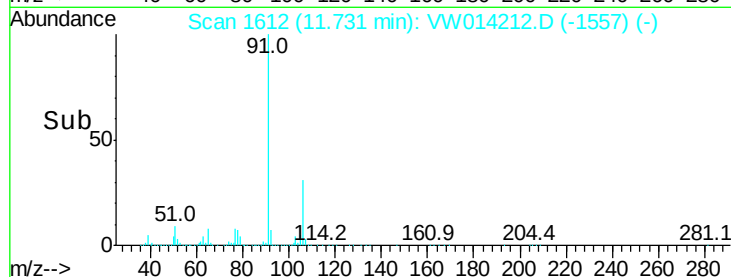
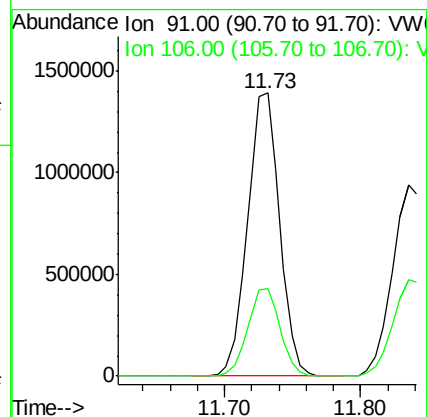
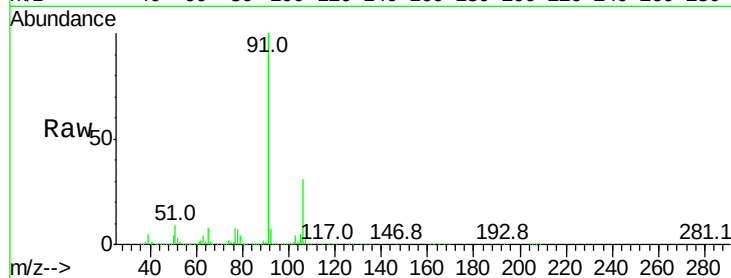
VSTD02503

Tgt Ion: 91 Resp: 2293463

Ion Ratio Lower Upper

91 100

106 30.9 22.3 41.5



#54

m,p-Xylene

Concen: 22.720 ug/L

RT: 11.84 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VW014212.D

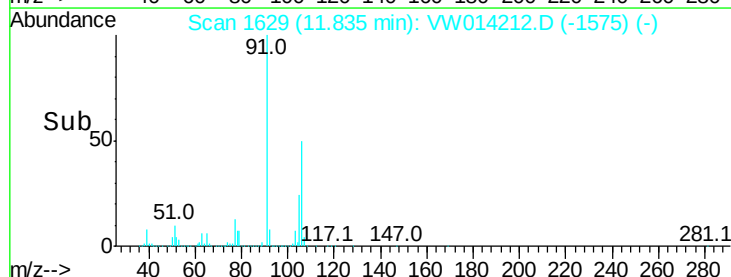
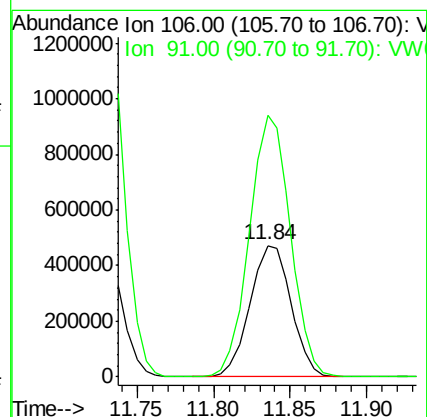
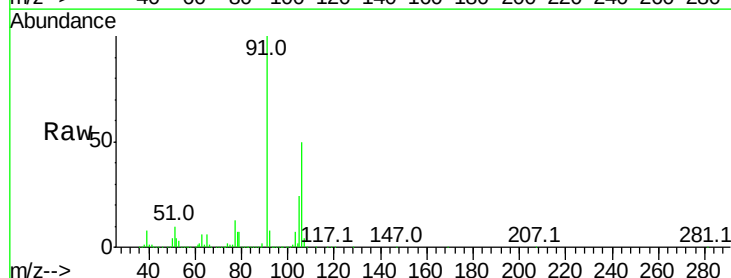
Acq: 05 Dec 2019 13:14

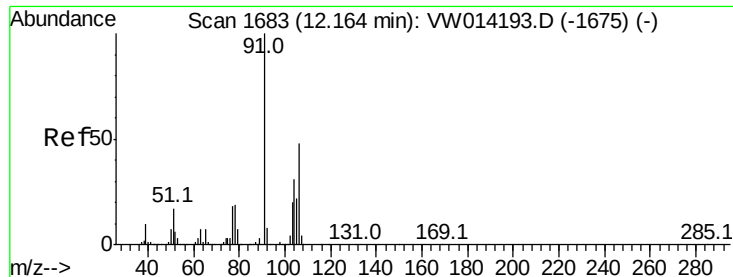
Tgt Ion: 106 Resp: 884002

Ion Ratio Lower Upper

106 100

91 198.9 138.7 257.5





#55

o-xylene

Concen: 23.320 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW014212.D

Acq: 05 Dec 2019 13:14

Instrument :

MSVOA_W

ClientSampleId :

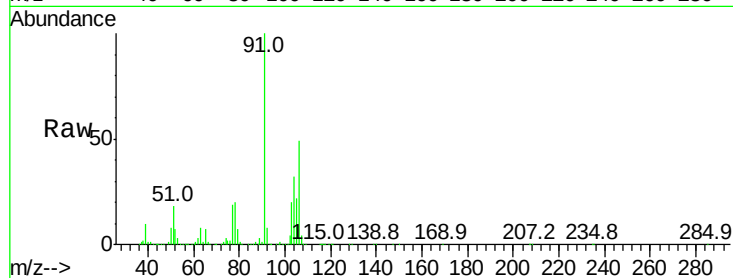
VSTD02503

Tgt Ion:106 Resp: 849670

Ion Ratio Lower Upper

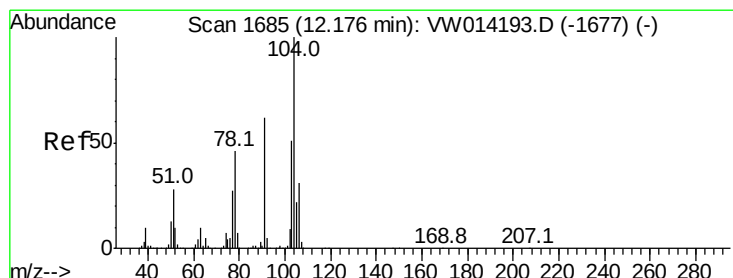
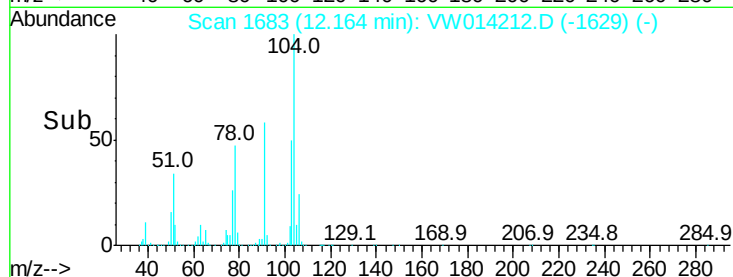
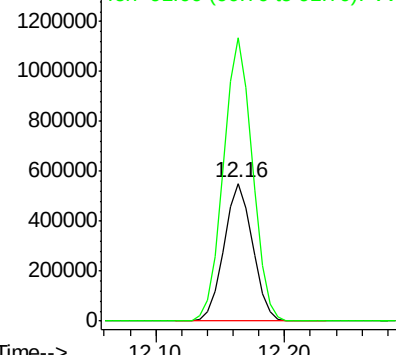
106 100

91 205.5 148.3 275.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 23.736 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VW014212.D

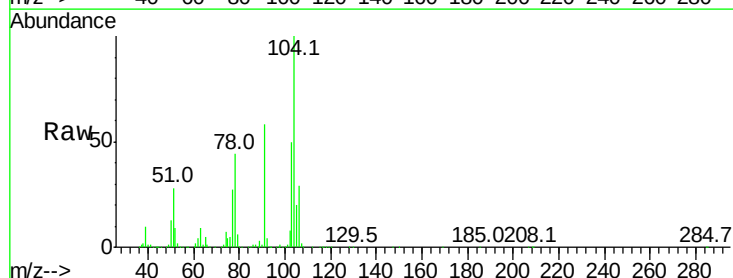
Acq: 05 Dec 2019 13:14

Tgt Ion:104 Resp: 1460938

Ion Ratio Lower Upper

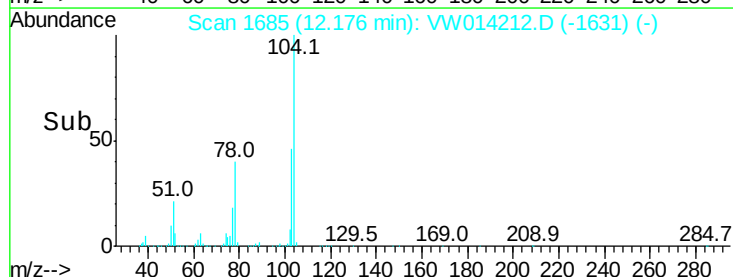
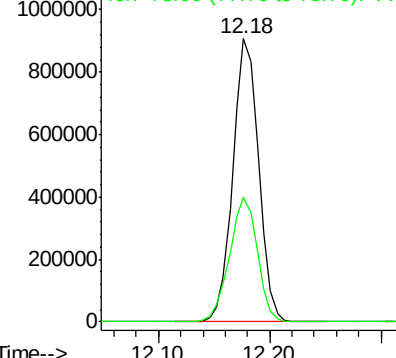
104 100

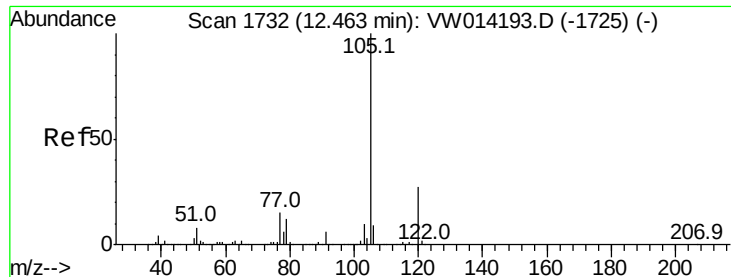
78 44.2 30.6 56.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 22.082 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW014212.D

Acq: 05 Dec 2019 13:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD02503

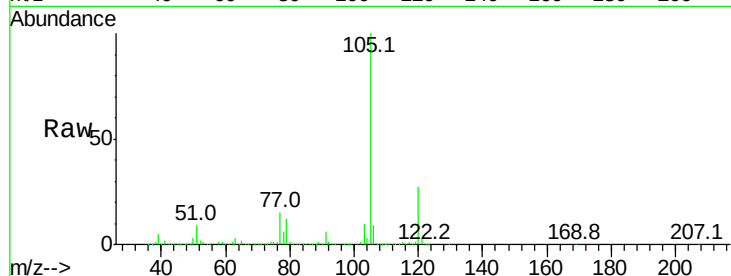
Tgt Ion:105 Resp: 2212128

Ion Ratio Lower Upper

105 100

120 26.9 21.6 32.4

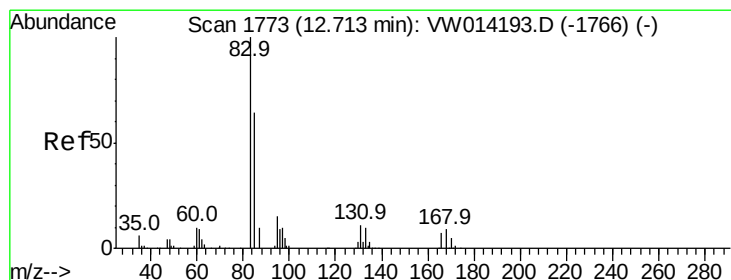
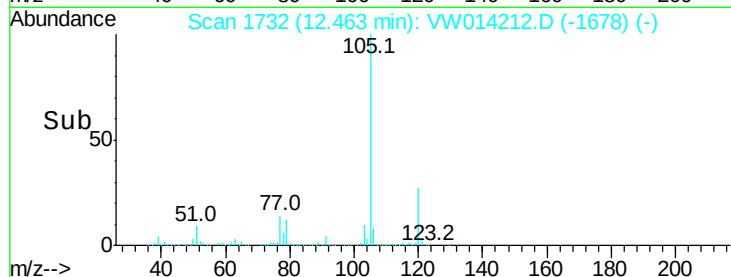
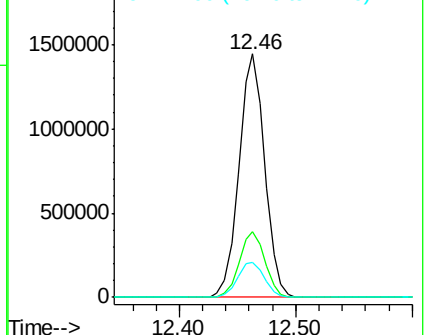
77 15.0 11.6 17.4



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: 25.616 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW014212.D

Acq: 05 Dec 2019 13:14

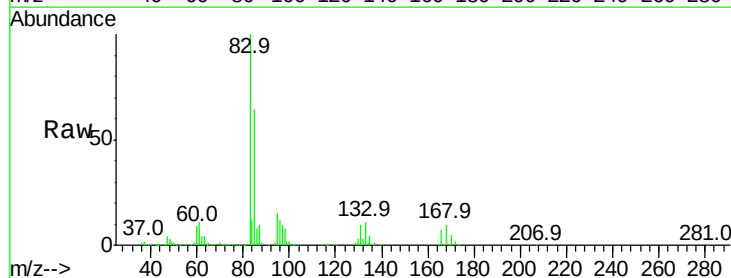
Tgt Ion: 83 Resp: 442650

Ion Ratio Lower Upper

83 100

85 64.4 43.7 81.1

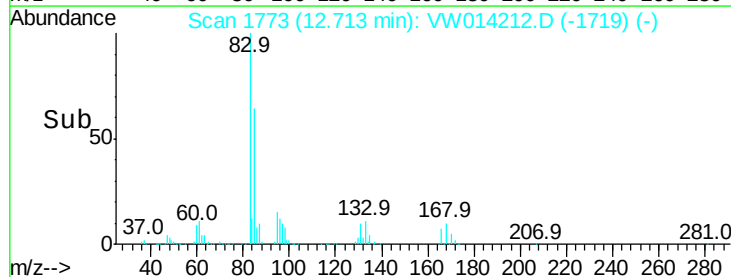
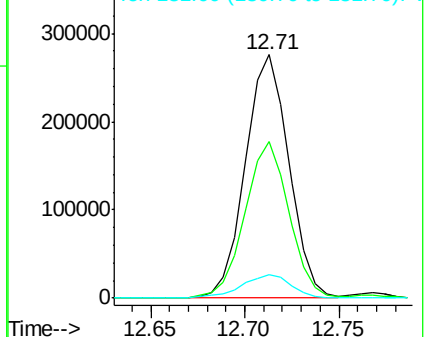
131 9.8 8.2 12.2

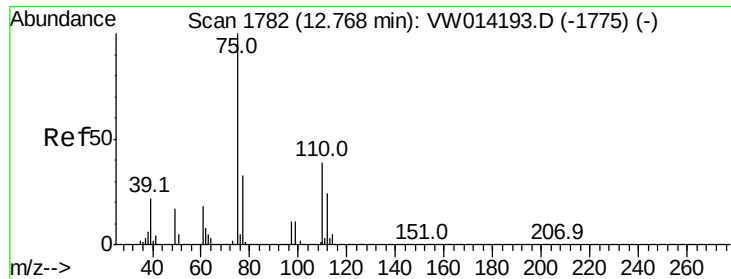


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 24.914 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW014212.D

Acq: 05 Dec 2019 13:14

Instrument :

MSVOA_W

ClientSampleId :

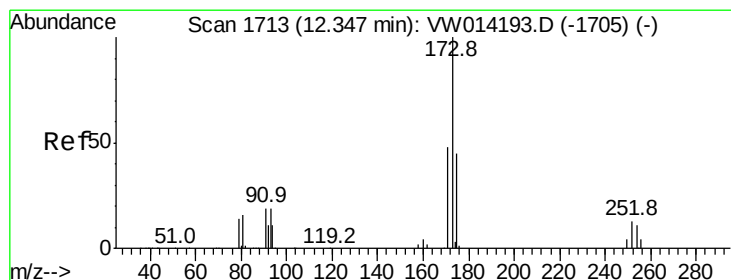
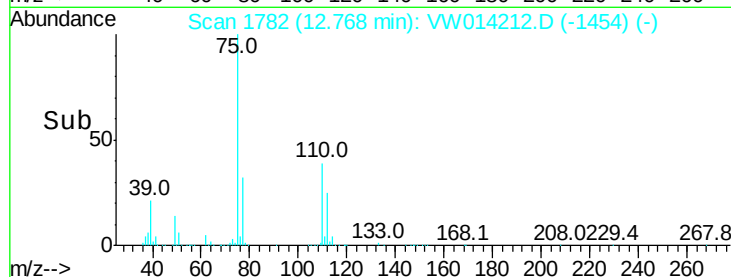
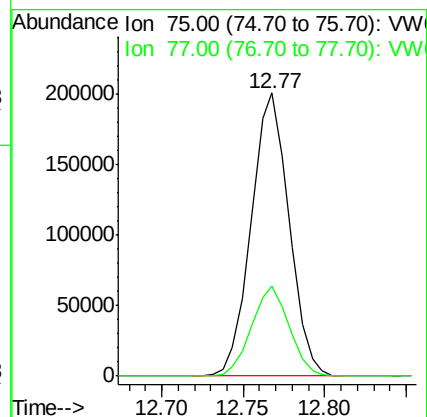
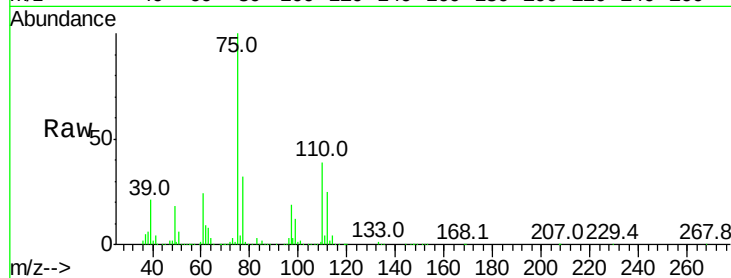
VSTD02503

Tgt Ion: 75 Resp: 323789

Ion Ratio Lower Upper

75 100

77 31.5 25.9 38.9



#62

Bromoform

Concen: 26.241 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW014212.D

Acq: 05 Dec 2019 13:14

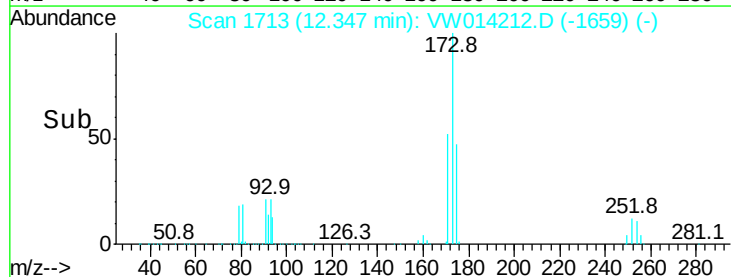
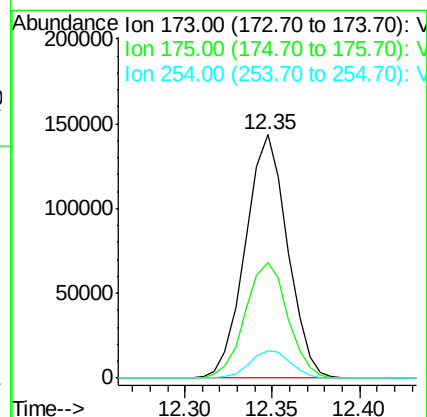
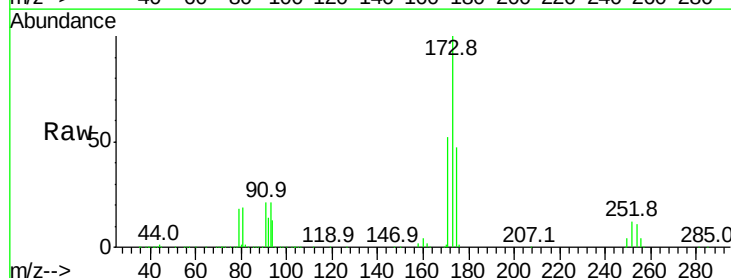
Tgt Ion: 173 Resp: 240568

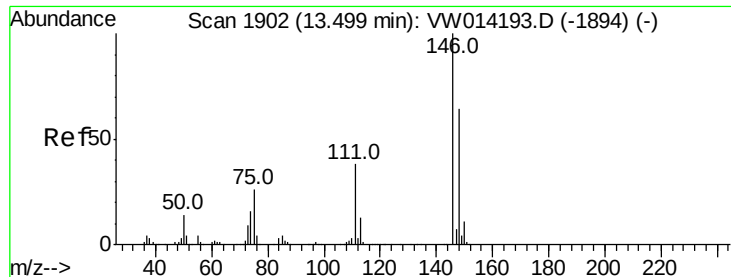
Ion Ratio Lower Upper

173 100

175 48.2 38.8 58.2

254 11.1 9.4 14.0

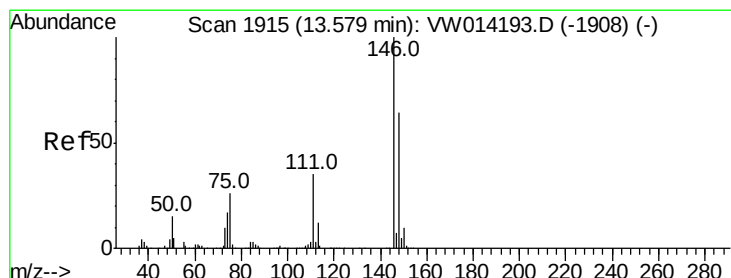
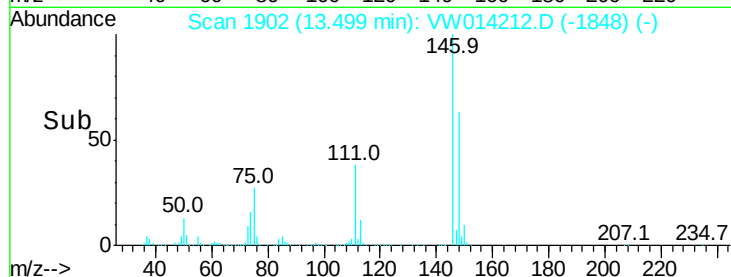
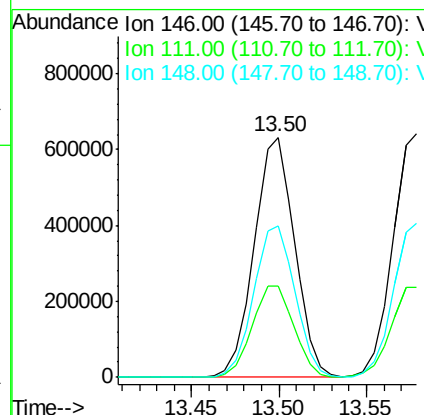
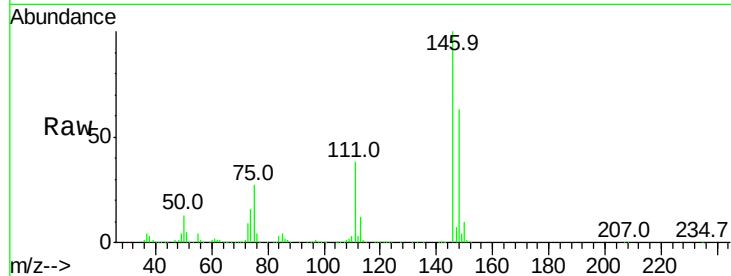




#63
 1,3-Dichlorobenzene
 Concen: 25.912 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW014212.D
 Acq: 05 Dec 2019 13:14

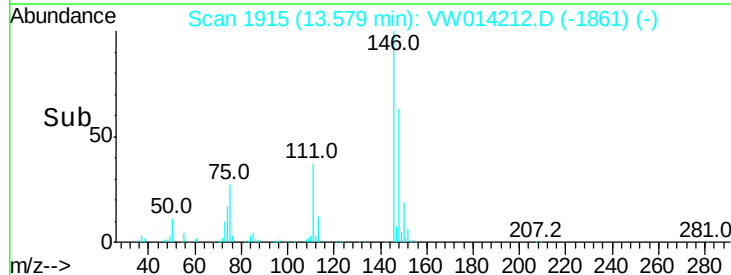
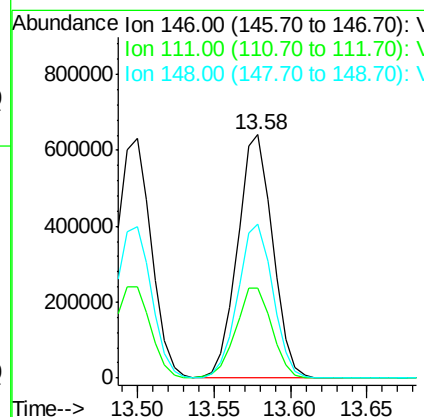
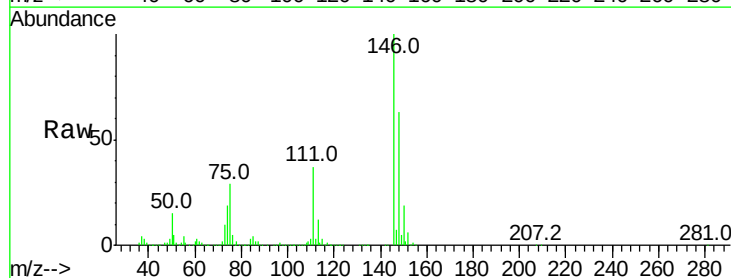
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02503

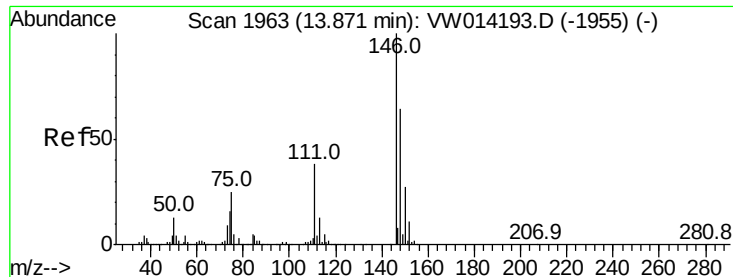
Tgt Ion:146 Resp: 1017804
 Ion Ratio Lower Upper
 146 100
 111 38.1 26.0 48.2
 148 63.3 44.7 82.9



#64
 1,4-Dichlorobenzene
 Concen: 26.354 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW014212.D
 Acq: 05 Dec 2019 13:14

Tgt Ion:146 Resp: 1022749
 Ion Ratio Lower Upper
 146 100
 111 36.8 24.9 46.3
 148 63.1 43.9 81.5





#65

1,2-Dichlorobenzene

Concen: 27.279 ug/L

RT: 13.87 min Scan# 1962

Delta R.T. -0.01 min

Lab File: VW014212.D

Acq: 05 Dec 2019 13:14

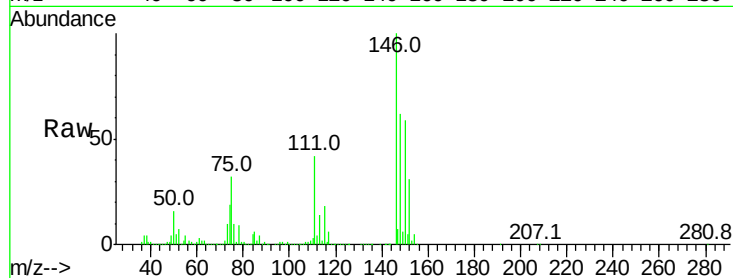
Instrument :

MSVOA_W

ClientSampleId :

VSTD02503

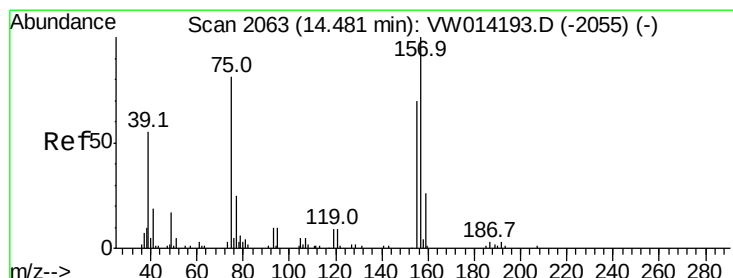
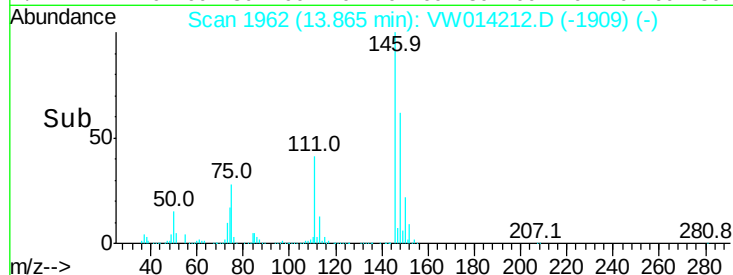
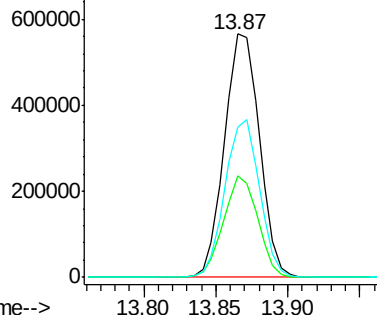
Tgt Ion:	146	Resp:	948815
Ion Ratio	Lower	Upper	
146	100		
111	41.8	30.5	45.7
148	61.9	49.4	74.2



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: 27.184 ug/L

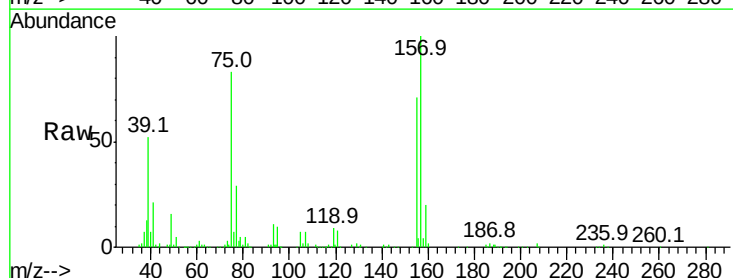
RT: 14.48 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VW014212.D

Acq: 05 Dec 2019 13:14

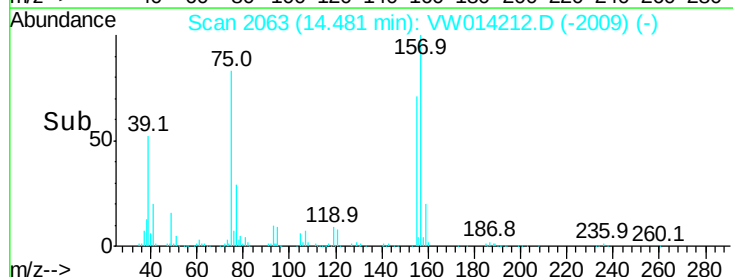
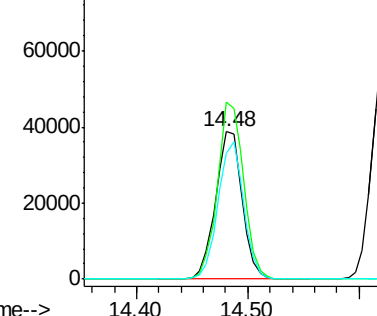
Tgt Ion:	75	Resp:	64392
Ion Ratio	Lower	Upper	
75	100		
157	120.5	96.9	145.3
155	86.0	82.9	124.3

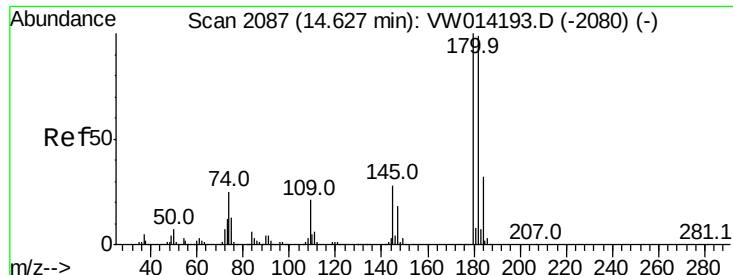


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

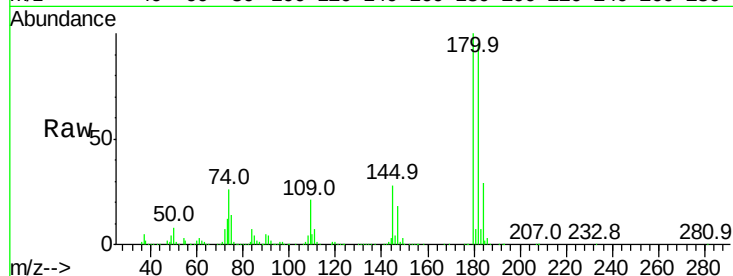




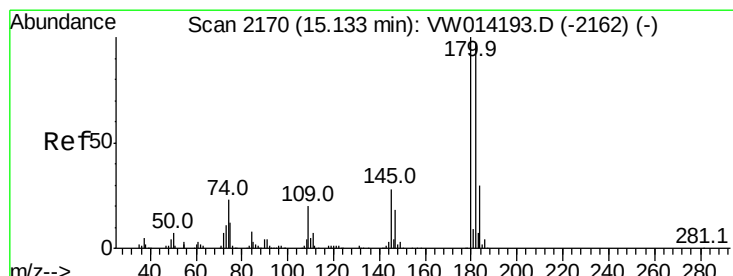
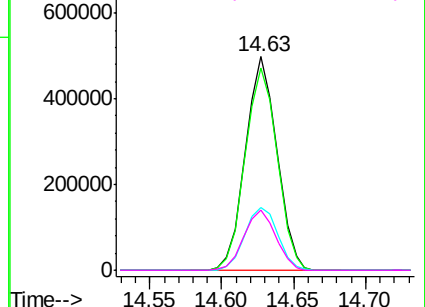
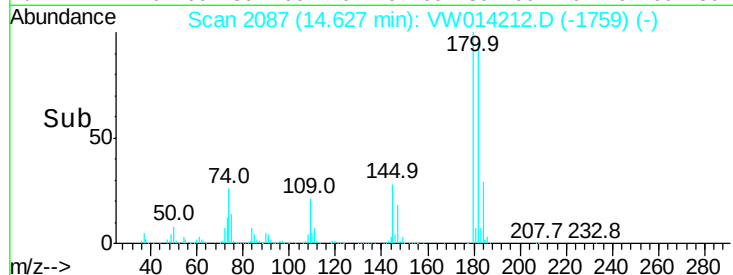
#67
 1,3,5-Trichlorobenzene
 Concen: 25.222 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW014212.D
 Acq: 05 Dec 2019 13:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02503

Tgt Ion:	180	Resp:	755002
Ion	Ratio	Lower	Upper
180	100		
182	96.4	76.2	114.2
184	30.8	24.3	36.5
145	28.4	21.9	32.9

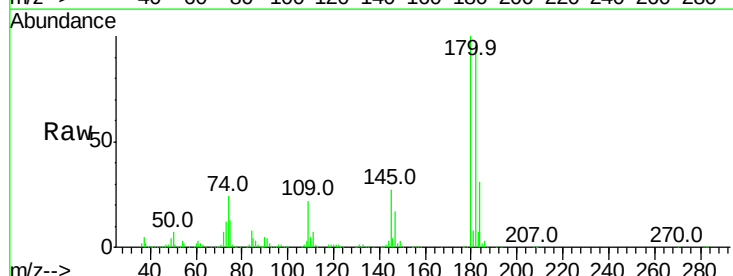


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

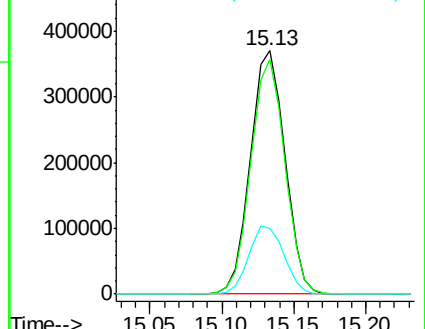
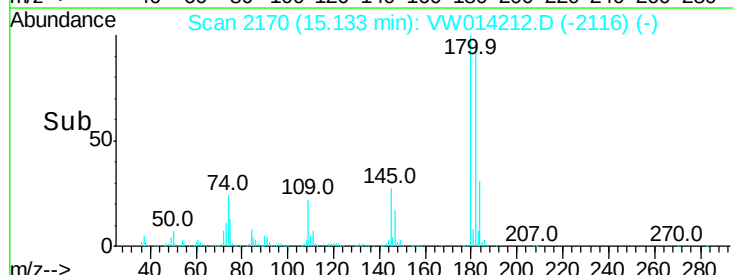


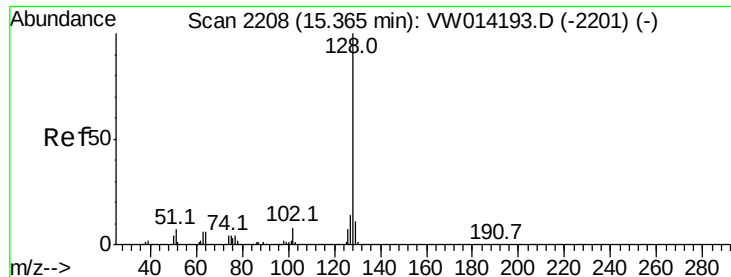
#68
 1,2,4-trichlorobenzene
 Concen: 26.063 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW014212.D
 Acq: 05 Dec 2019 13:14

Tgt Ion:	180	Resp:	613460
Ion	Ratio	Lower	Upper
180	100		
182	95.0	75.8	113.8
145	28.5	22.4	33.6



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





#69

Naphthalene

Concen: 27.224 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW014212.D

Acq: 05 Dec 2019 13:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD02503

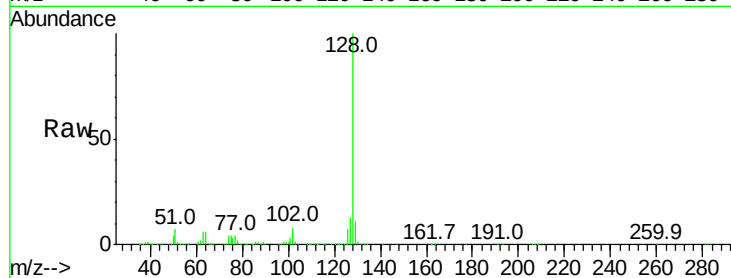
Tgt Ion:128 Resp: 1138406

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

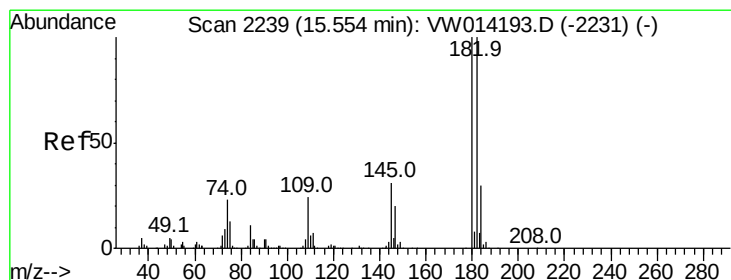
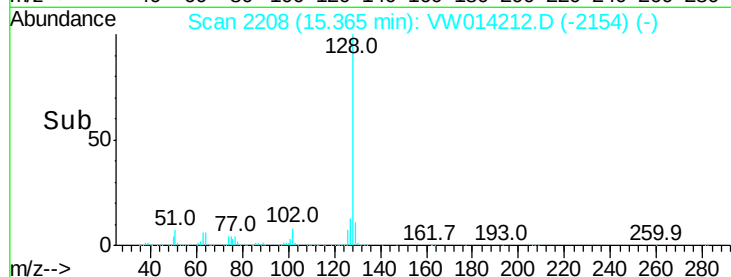
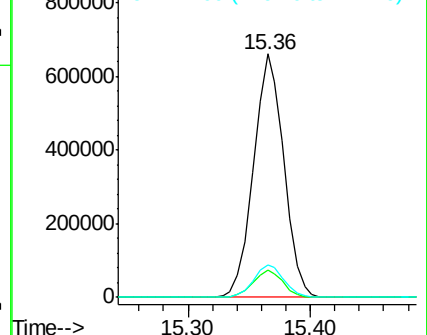
127 13.3 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 27.701 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW014212.D

Acq: 05 Dec 2019 13:14

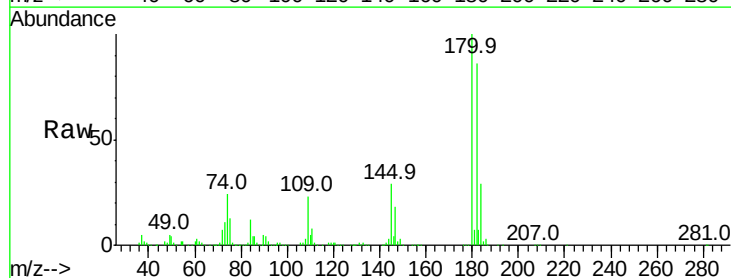
Tgt Ion:180 Resp: 575415

Ion Ratio Lower Upper

180 100

182 92.6 75.8 113.6

145 30.3 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

