

Data File : VW014828.D
Acq On : 03 Feb 2020 11:21
Operator : SY/VA
Sample : VSTD05012
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD05002

Quant Time: Feb 03 11:46:33 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM020320S.M
Quant Title : VOC Analysis
QLast Update : Mon Feb 03 11:38:39 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	825434	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	749234	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	352858	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	724430	55.41	ug/L	0.00
7) Chloroethane-d5	2.89	69	570222	51.33	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	1327522	56.11	ug/L	0.00
20) 2-Butanone-d5	7.07	46	478108	128.79	ug/L	0.00
24) Chloroform-d	7.65	84	1179442	51.77	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	667432	54.39	ug/L	0.00
29) Benzene-d6	8.27	84	2460267	52.17	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	795405	54.26	ug/L	0.00
37) Toluene-d8	10.32	98	2222264	52.90	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.57	79	338855	58.02	ug/L	0.00
39) 2-Hexanone-d5	10.92	63	375495	136.51	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	639144	55.56	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	673239	48.68	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	475813	46.875	ug/L	92
3) Chloromethane	2.21	50	677969	57.255	ug/L	98
5) Vinyl chloride	2.37	62	804215	48.273	ug/L	100
6) Bromomethane	2.78	94	392093	45.023	ug/L	99
8) Chloroethane	2.92	64	445928	49.407	ug/L	100
9) Trichlorofluoromethane	3.26	101	399182	49.899	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	610220	53.403	ug/L	99
12) 1,1-Dichloroethene	4.04	96	601496	53.380	ug/L	96
13) Acetone	4.12	43	416336	104.713	ug/L	99
14) Carbon disulfide	4.39	76	1848749	50.120	ug/L	99
15) Methyl Acetate	4.67	43	400198	67.446	ug/L	100
16) Methylene chloride	4.92	84	625474	44.839	ug/L	98
17) Methyl tert-butyl Ether	5.42	73	794232	53.322	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	604544	51.927	ug/L	98
19) 1,1-Dichloroethane	6.21	63	1204284	55.159	ug/L	97
21) 2-Butanone	7.17	43	558942	125.554	ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	643181	52.767	ug/L	99
23) Bromochloromethane	7.51	128	260859	48.975	ug/L	98
25) Chloroform	7.67	83	1101598	54.078	ug/L	100
27) 1,2-Dichloroethane	8.40	62	773874	57.497	ug/L	99
30) Cyclohexane	7.95	56	1225638	59.905	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	848626	51.873	ug/L	100
32) Carbon tetrachloride	8.07	117	778414	50.771	ug/L	100
34) Benzene	8.32	78	2575066	53.664	ug/L	100
35) Trichloroethene	9.09	95	635765	52.154	ug/L	99
36) Methylcyclohexane	9.34	83	1190184	56.121	ug/L	97
40) 1,2-Dichloropropane	9.37	63	687749	56.537	ug/L	99
41) Bromodichloromethane	9.64	83	799186	54.972	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	1040548	58.566	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	1126567	140.845	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.38	91	2658621	54.527	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	847267	58.743	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	468172	56.380	ug/L	98
47) Tetrachloroethene	10.86	164	468394	48.090	ug/L	99
49) 2-Hexanone	10.96	43	814208	141.584	ug/L	100
50) Dibromochloromethane	11.13	129	512278	54.069	ug/L	100
51) 1,2-Dibromoethane	11.23	107	448957	56.205	ug/L	95
52) Chlorobenzene	11.65	112	1559157	51.212	ug/L	98
53) Ethylbenzene	11.73	91	2930220	54.994	ug/L	98
54) m,p-Xylene	11.83	106	1089112	54.681	ug/L	97
55) o-xylene	12.16	106	1024134	54.799	ug/L	99
56) Styrene	12.18	104	1759177	55.502	ug/L	99
57) Isopropylbenzene	12.46	105	2775655	54.839	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	626406	58.548	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	472774	58.827	ug/L	99
62) Bromoform	12.35	173	294142	53.104	ug/L	97
63) 1,3-Dichlorobenzene	13.50	146	1147665	50.378	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	1140369	49.948	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	1051637	50.753	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.48	75	104389	61.424	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	824200	48.846	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	670693	53.561	ug/L	99
69) Naphthalene	15.36	128	1513313	66.820	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	613799	53.462	ug/L	99

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

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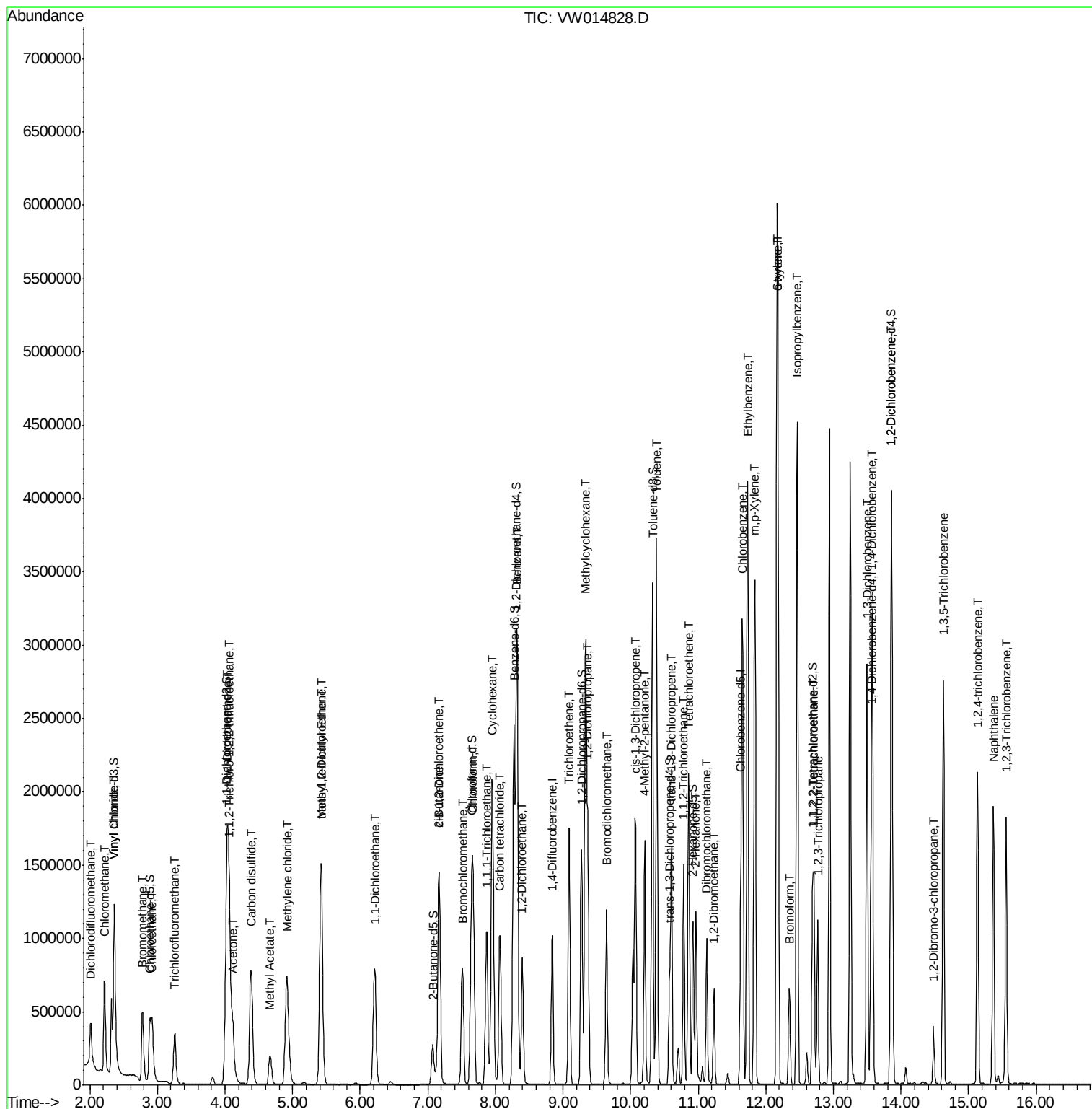
Quant Time: Feb 03 11:46:33 2020

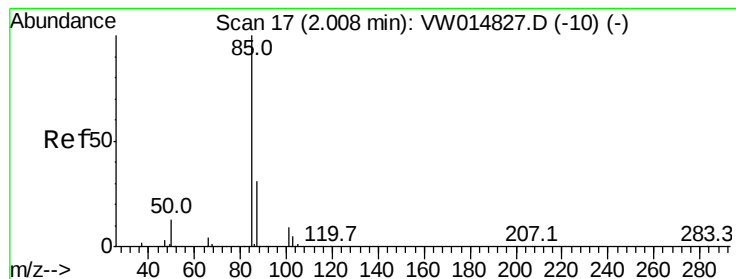
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM020320S.M

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#2

Dichlorodifluoromethane

Concen: 46.875 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

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Acq: 03 Feb 2020 11:21

Instrument :

MSVOA_W

ClientSampleId :

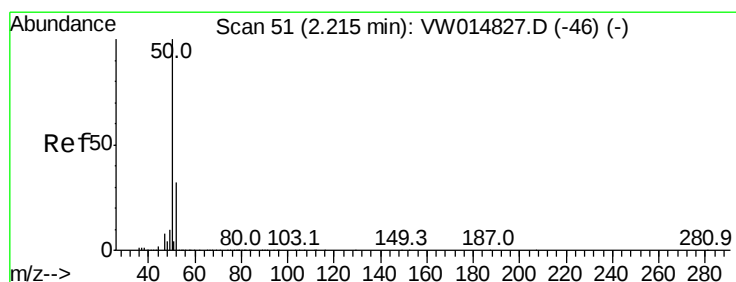
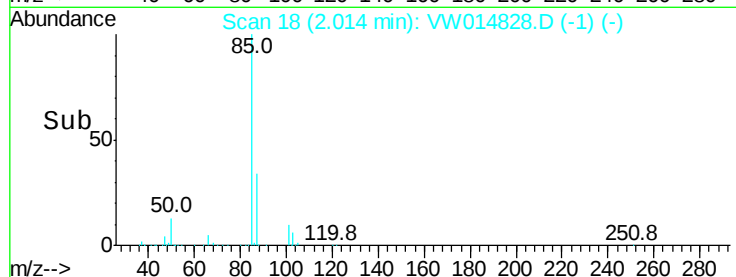
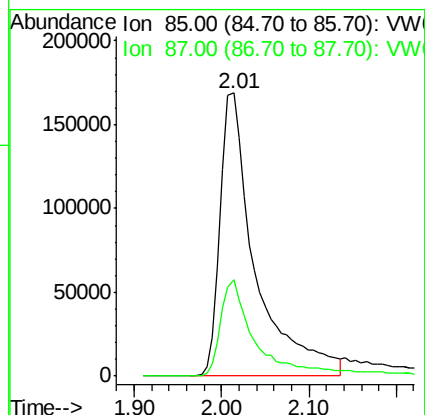
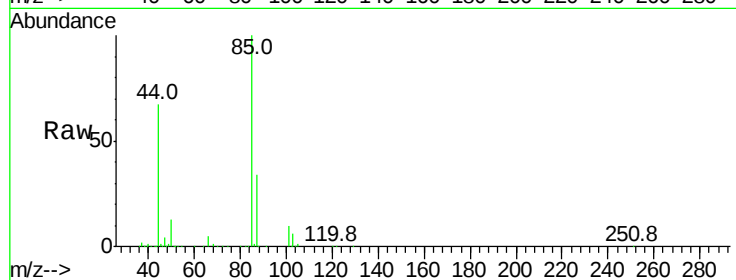
VSTD05002

Tgt Ion: 85 Resp: 475813

Ion Ratio Lower Upper

85 100

87 34.6 21.2 39.4



#3

Chloromethane

Concen: 57.255 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW014828.D

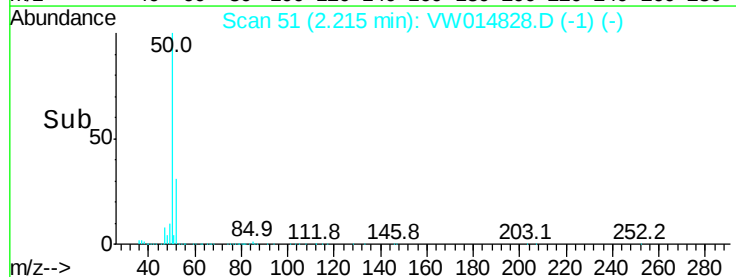
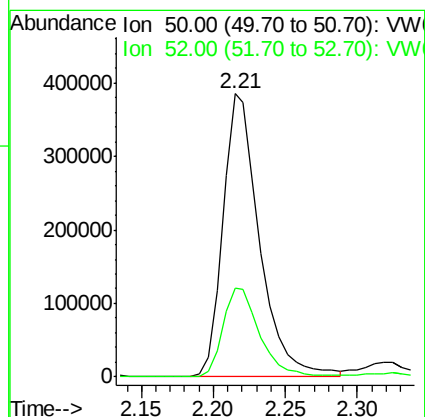
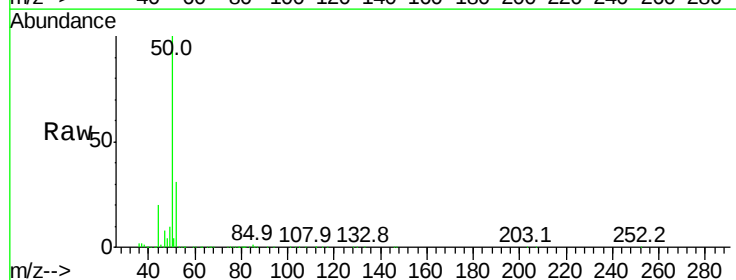
Acq: 03 Feb 2020 11:21

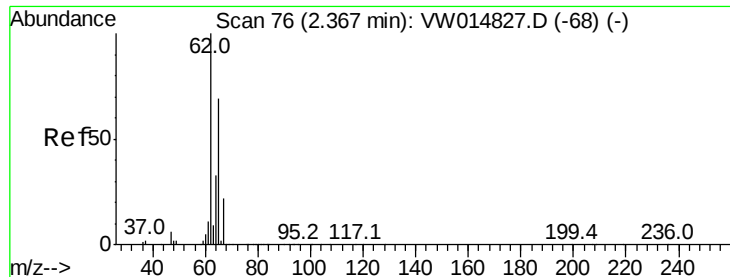
Tgt Ion: 50 Resp: 677969

Ion Ratio Lower Upper

50 100

52 31.4 22.6 42.0





#5

Vinyl chloride

Concen: 48.273 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW014828.D

Acq: 03 Feb 2020 11:21

Instrument :

MSVOA_W

ClientSampleId :

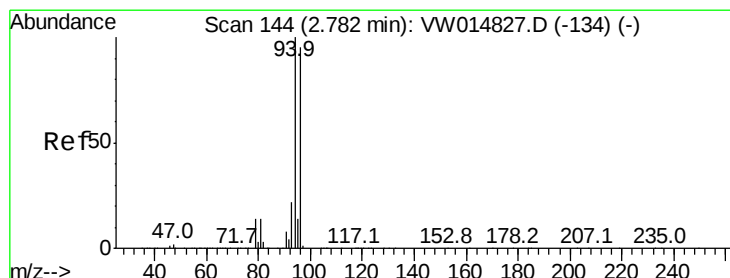
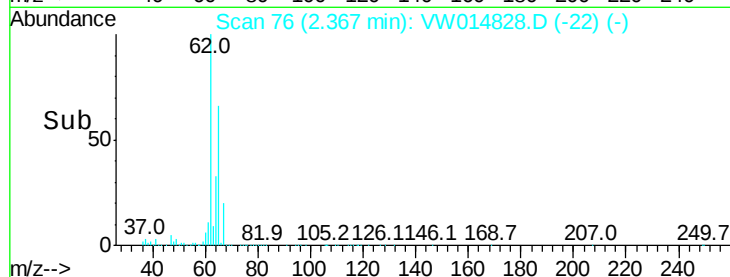
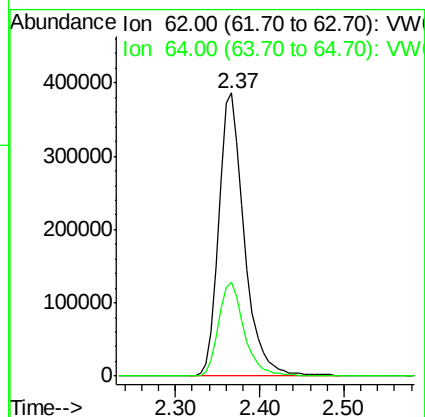
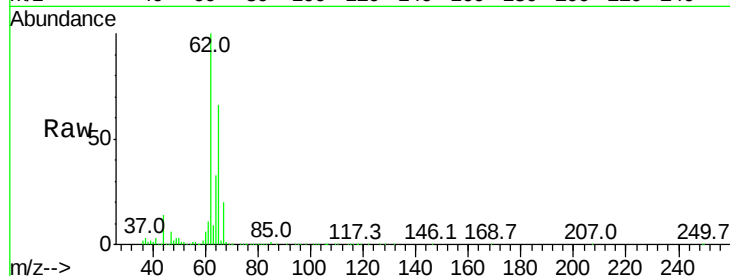
VSTD05002

Tgt Ion: 62 Resp: 804215

Ion Ratio Lower Upper

62 100

64 33.4 23.2 43.0



#6

Bromomethane

Concen: 45.023 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW014828.D

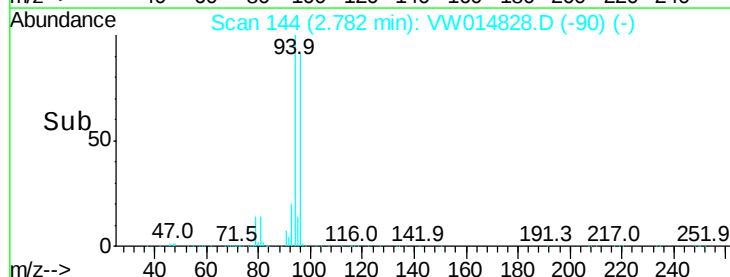
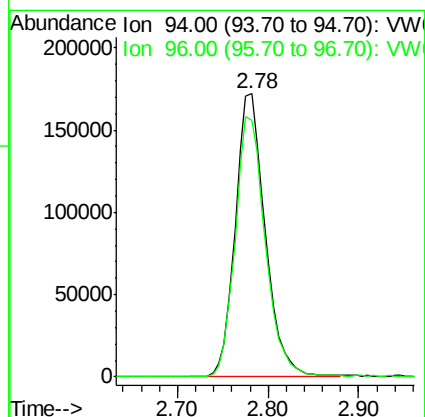
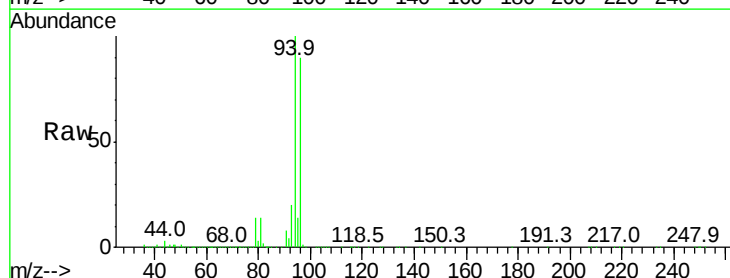
Acq: 03 Feb 2020 11:21

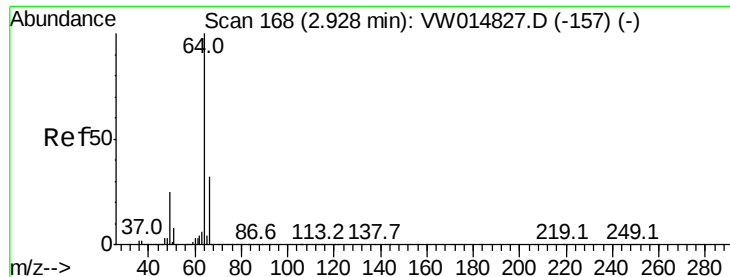
Tgt Ion: 94 Resp: 392093

Ion Ratio Lower Upper

94 100

96 93.4 9.5 179.9





#8

Chloroethane

Concen: 49.407 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW014828.D

Acq: 03 Feb 2020 11:21

Instrument :

MSVOA_W

ClientSampleId :

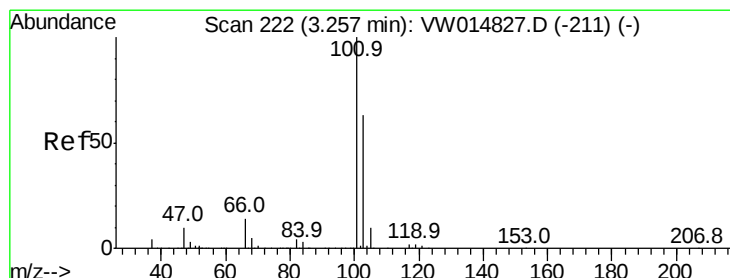
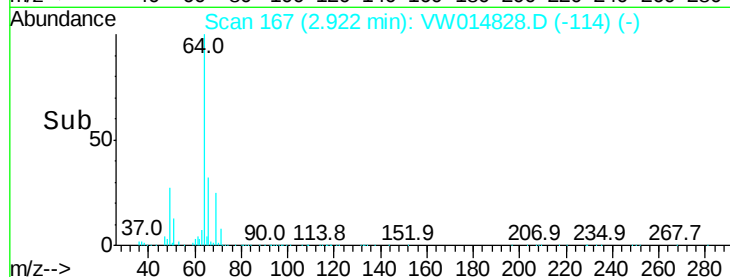
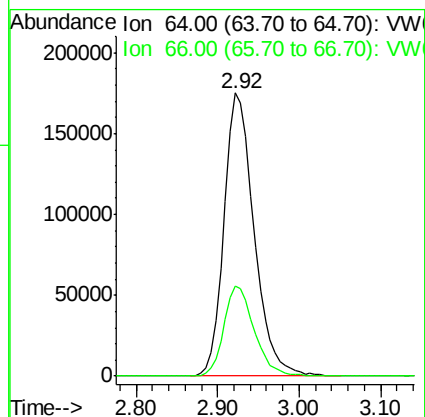
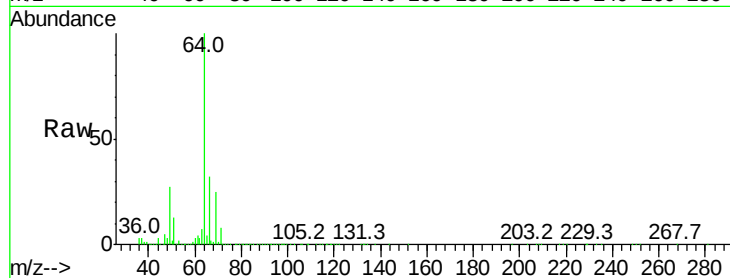
VSTD05002

Tgt Ion: 64 Resp: 445928

Ion Ratio Lower Upper

64 100

66 32.0 22.5 41.7



#9

Trichlorofluoromethane

Concen: 49.899 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW014828.D

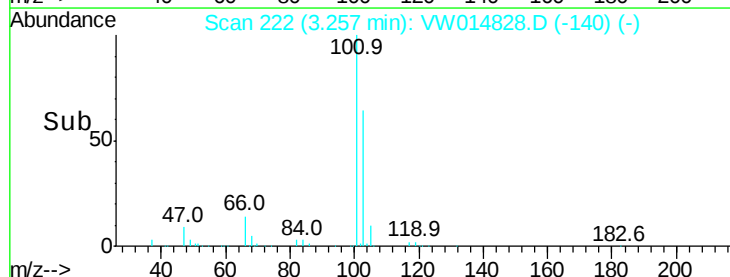
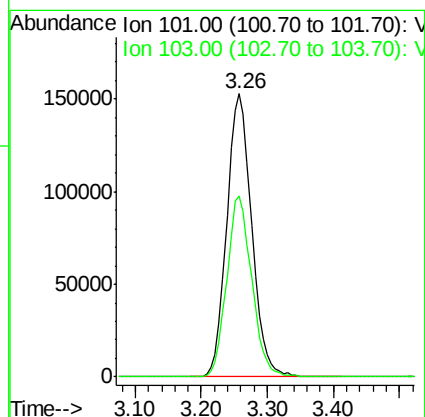
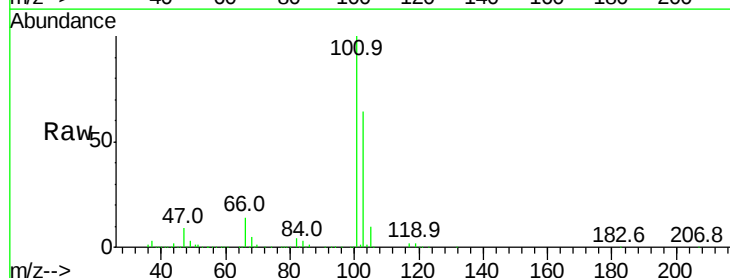
Acq: 03 Feb 2020 11:21

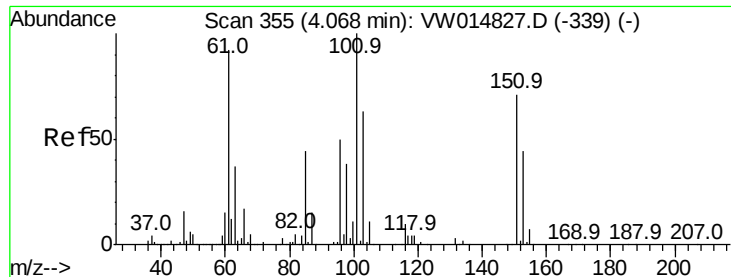
Tgt Ion: 101 Resp: 399182

Ion Ratio Lower Upper

101 100

103 64.0 45.4 84.4





#11

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

Concen: 53.403 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW014828.D

Acq: 03 Feb 2020 11:21

Instrument :

MSVOA_W

ClientSampleId :

VSTD05002

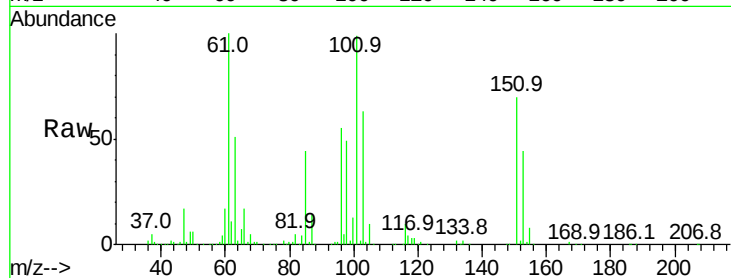
Tgt Ion:101 Resp: 610220

Ion Ratio Lower Upper

101 100

85 43.6 34.9 52.3

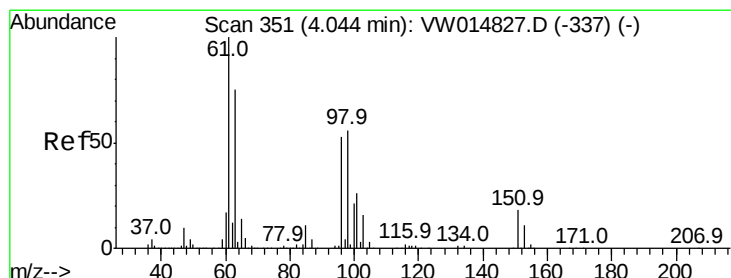
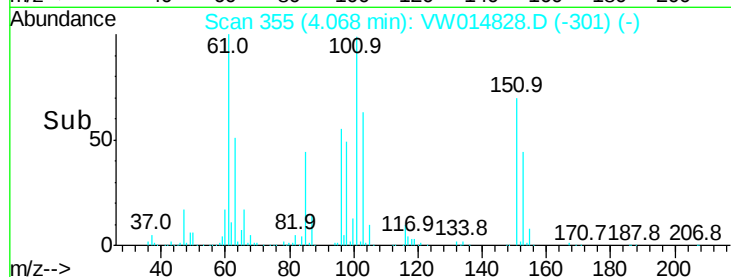
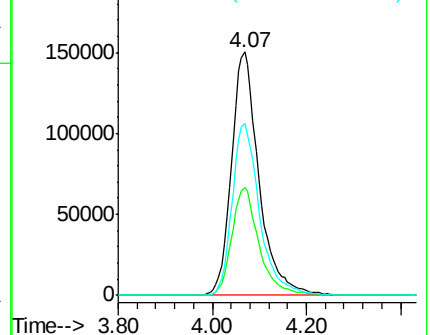
151 70.3 55.2 82.8



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: 53.380 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.00 min

Lab File: VW014828.D

Acq: 03 Feb 2020 11:21

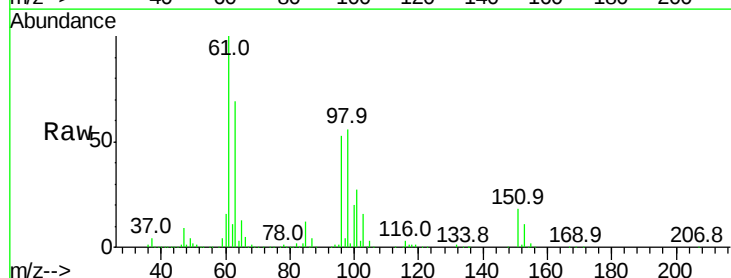
Tgt Ion: 96 Resp: 601496

Ion Ratio Lower Upper

96 100

61 187.9 131.5 244.3

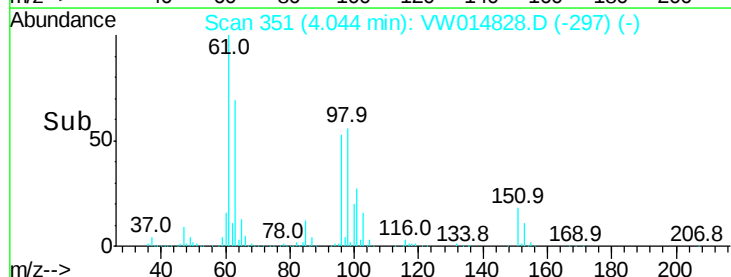
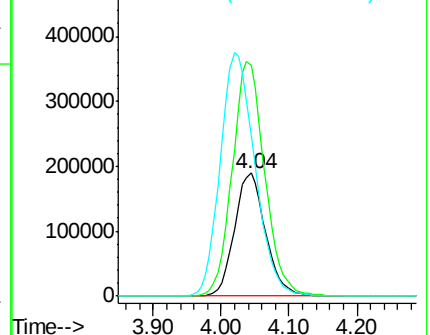
63 130.4 98.8 183.4

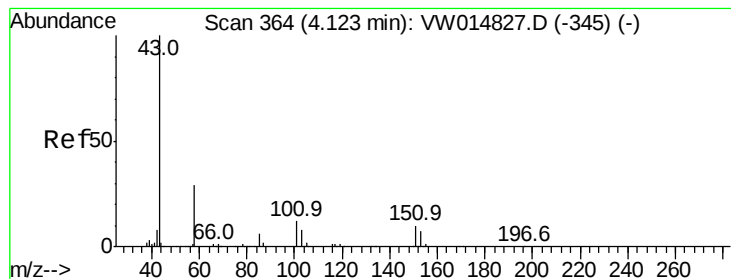


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 104.713 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

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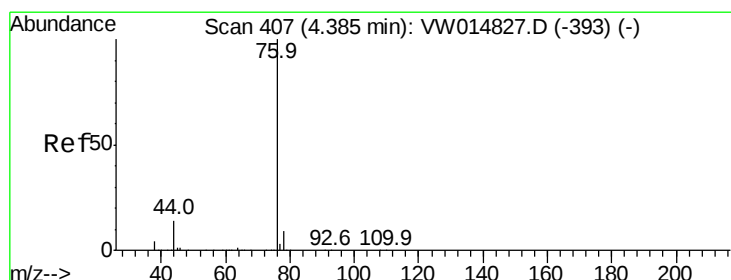
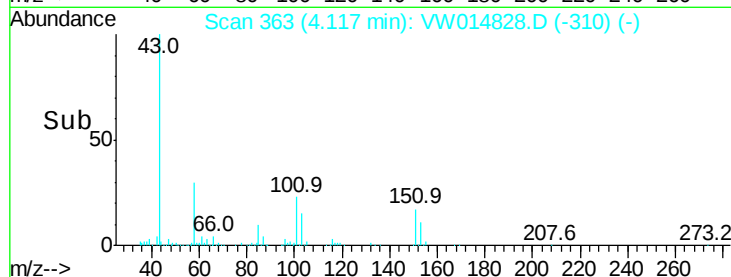
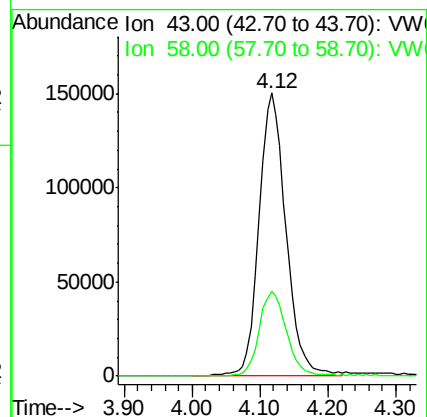
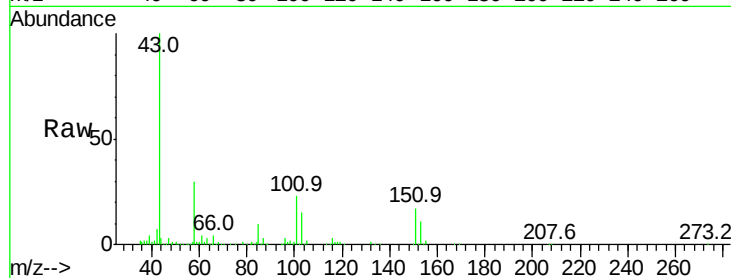
VSTD05002

Tgt Ion: 43 Resp: 416336

Ion Ratio Lower Upper

43 100

58 29.8 0.0 60.2



#14

Carbon disulfide

Concen: 50.120 ug/L

RT: 4.39 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW014828.D

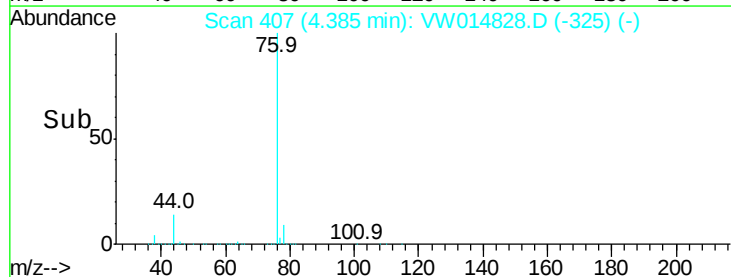
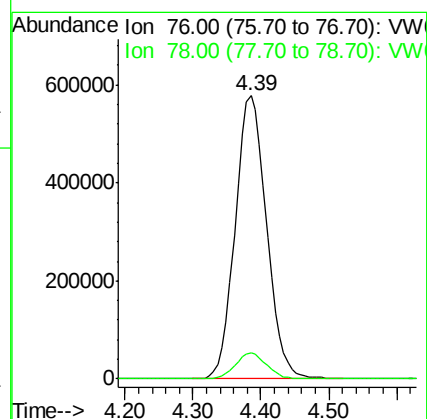
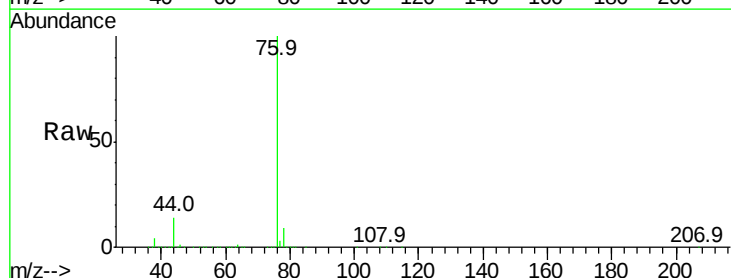
Acq: 03 Feb 2020 11:21

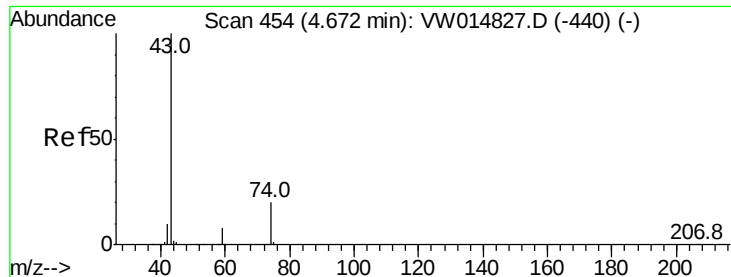
Tgt Ion: 76 Resp: 1848749

Ion Ratio Lower Upper

76 100

78 9.1 7.5 11.3

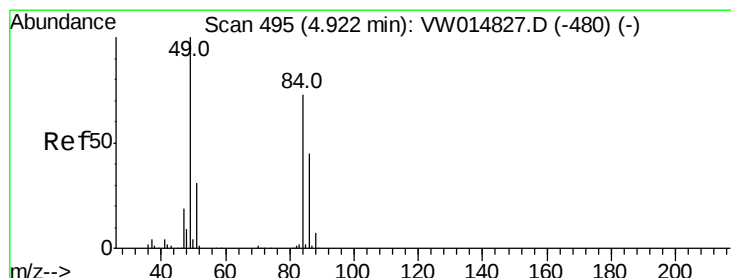
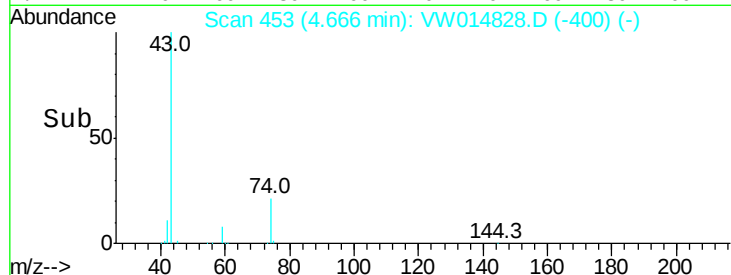
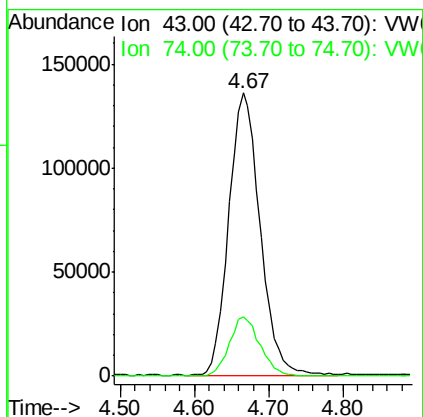
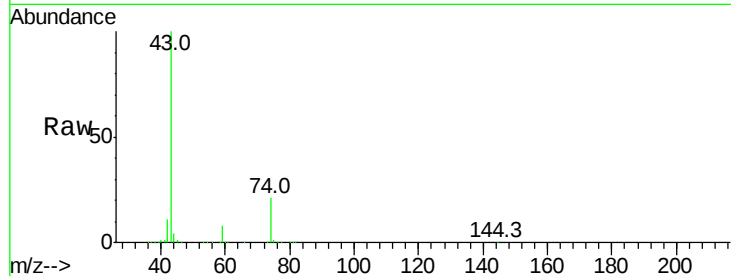




#15
Methyl Acetate
Concen: 67.446 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW014828.D
Acq: 03 Feb 2020 11:21

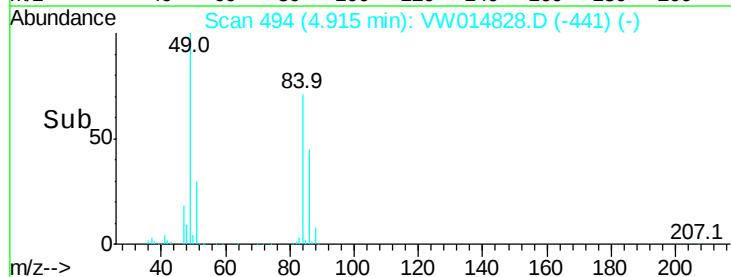
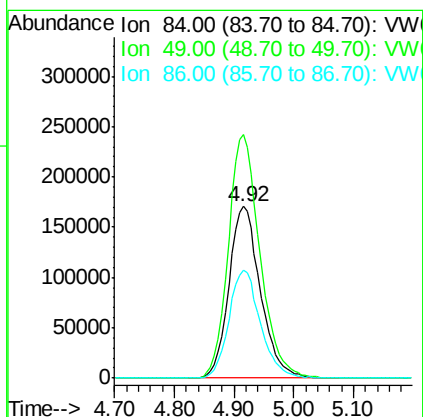
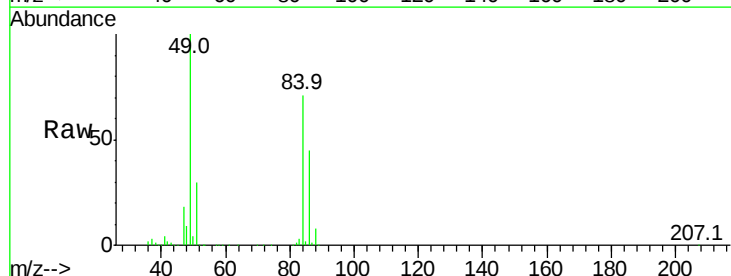
Instrument :
MSVOA_W
ClientSampleId :
VSTD05002

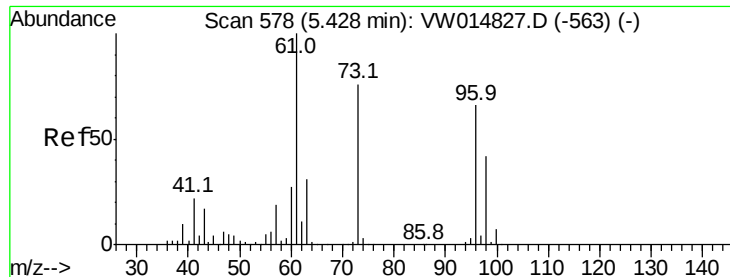
Tgt Ion: 43 Resp: 400198
Ion Ratio Lower Upper
43 100
74 20.6 16.3 24.5



#16
Methylene chloride
Concen: 44.839 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW014828.D
Acq: 03 Feb 2020 11:21

Tgt Ion: 84 Resp: 625474
Ion Ratio Lower Upper
84 100
49 141.7 96.6 179.4
86 63.1 43.8 81.4





#17

Methyl tert-butyl Ether

Concen: 53.322 ug/L

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

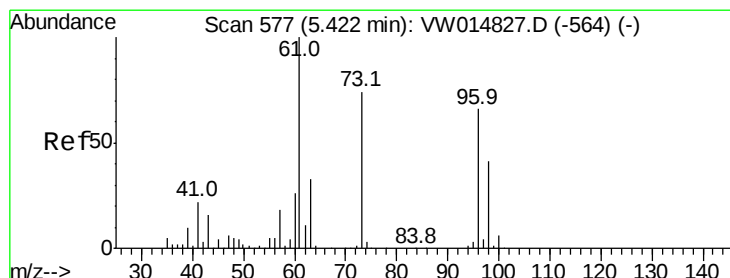
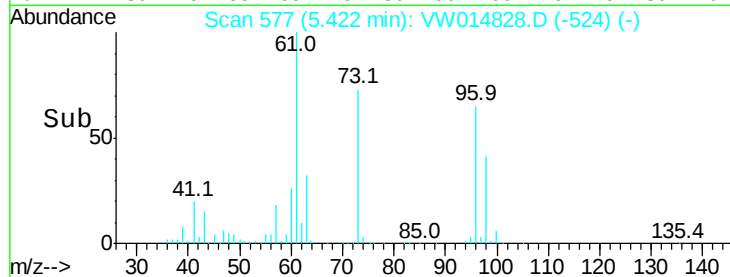
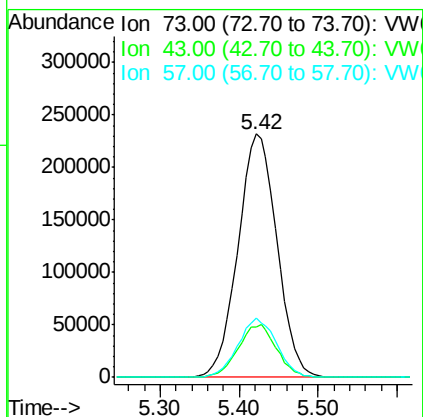
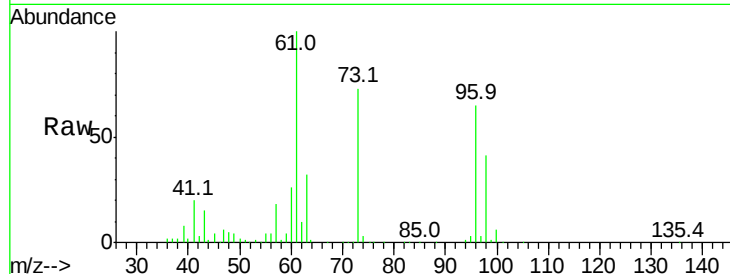
Lab File: VW014828.D

Acq: 03 Feb 2020 11:21

Instrument :
MSVOA_W
ClientSampleId :
VSTD05002

Tgt Ion: 73 Resp: 794232

Ion	Ratio	Lower	Upper
73	100		
43	21.4	17.6	26.4
57	24.1	19.8	29.6



#18

trans-1,2-Dichloroethene

Concen: 51.927 ug/L

RT: 5.42 min Scan# 577

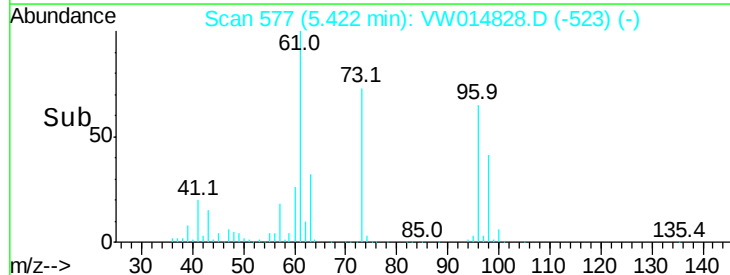
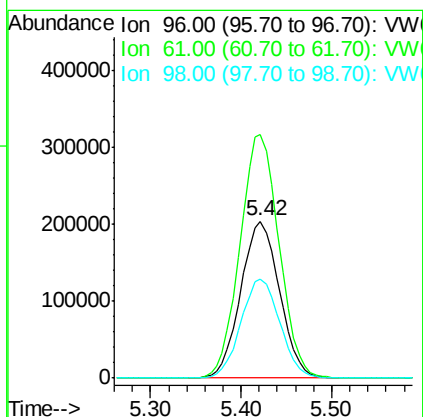
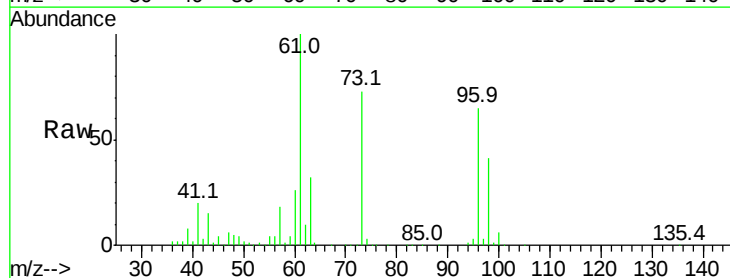
Delta R.T. -0.00 min

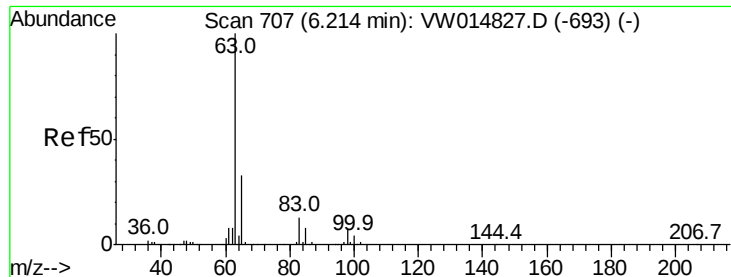
Lab File: VW014828.D

Acq: 03 Feb 2020 11:21

Tgt Ion: 96 Resp: 604544

Ion	Ratio	Lower	Upper
96	100		
61	155.0	106.3	197.3
98	63.4	43.5	80.9





#19

1,1-Dichloroethane

Concen: 55.159 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW014828.D

Acq: 03 Feb 2020 11:21

Instrument :

MSVOA_W

ClientSampled :

VSTD05002

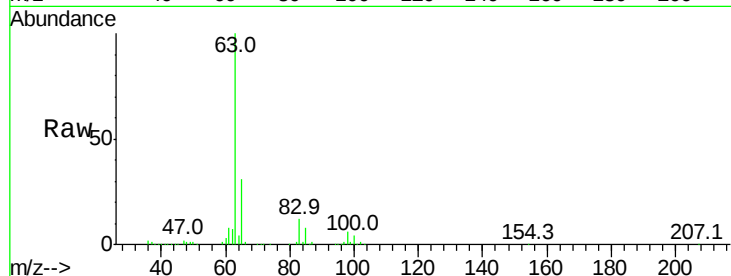
Tgt Ion: 63 Resp: 1204284

Ion Ratio Lower Upper

63 100

65 31.0 23.0 42.6

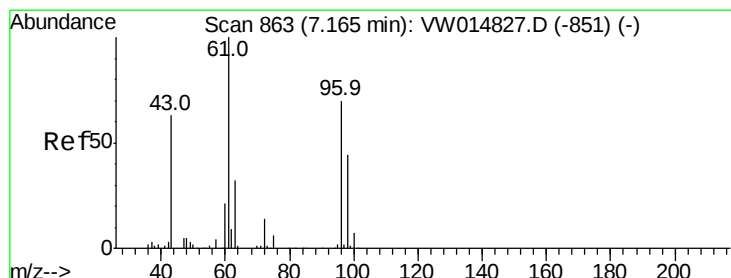
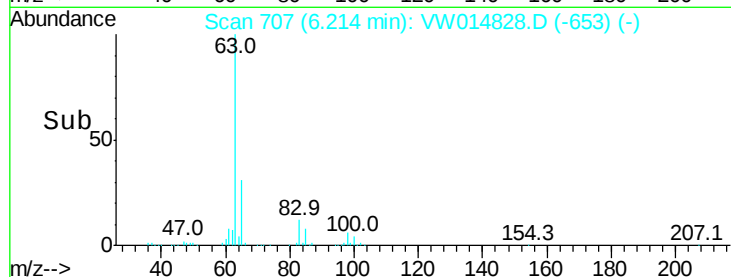
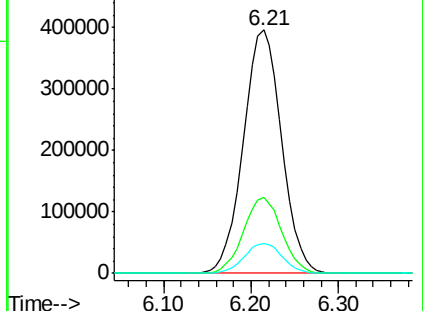
83 12.4 9.0 16.6



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: 125.554 ug/L

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW014828.D

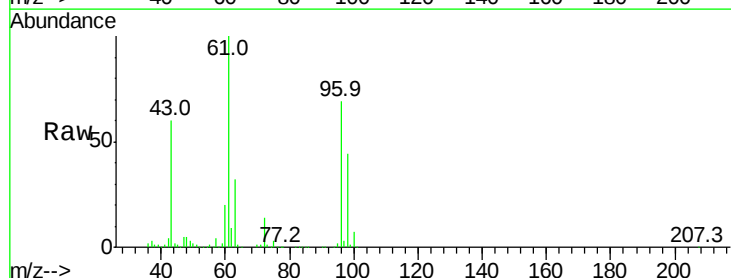
Acq: 03 Feb 2020 11:21

Tgt Ion: 43 Resp: 558942

Ion Ratio Lower Upper

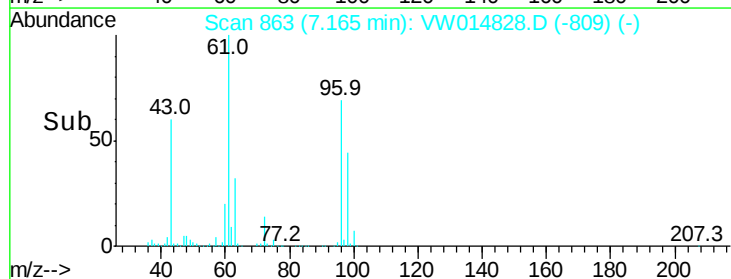
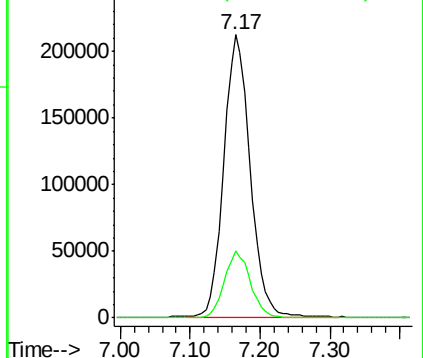
43 100

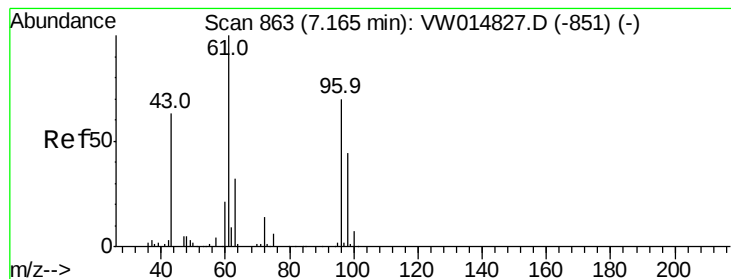
72 23.4 11.7 35.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



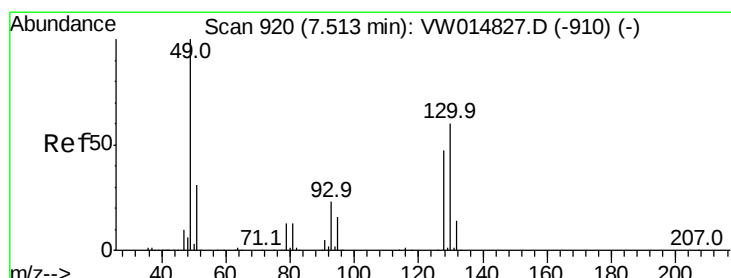
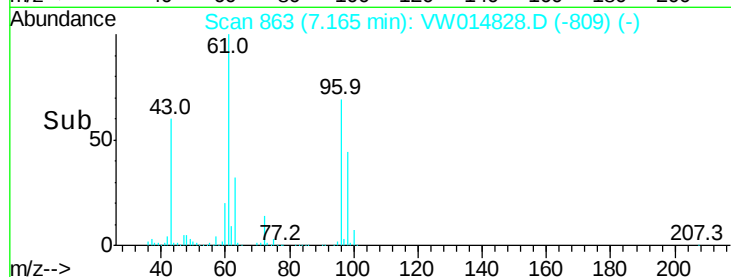
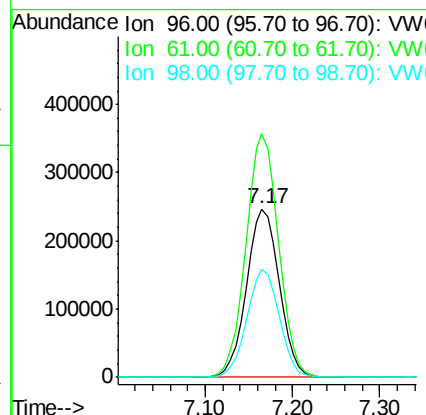
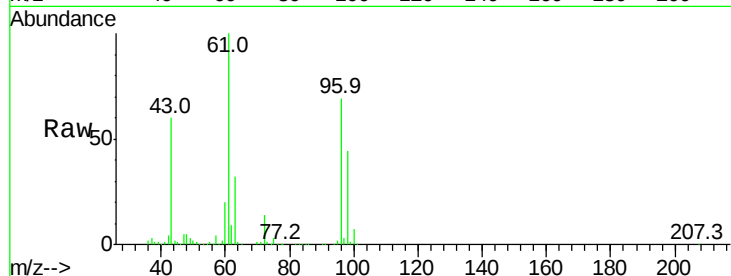


#22

cis-1,2-Dichloroethene
 Concen: 52.767 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW014828.D
 Acq: 03 Feb 2020 11:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05002

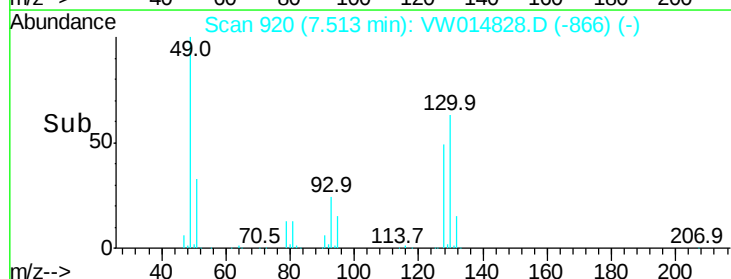
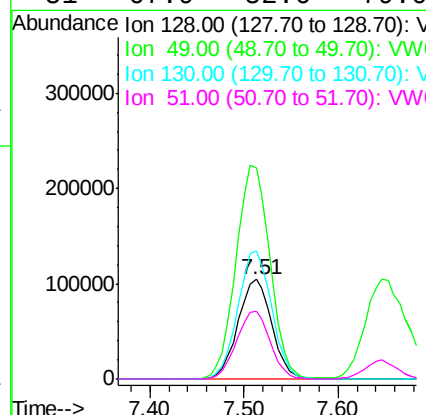
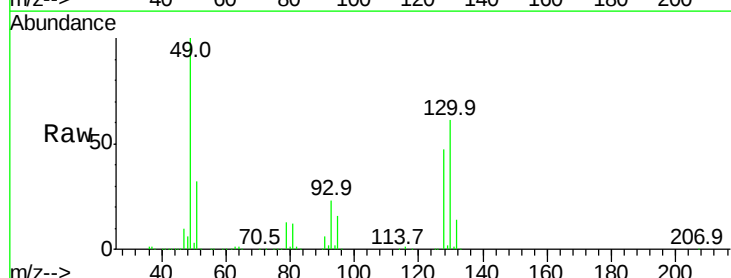
Tgt Ion: 96 Resp: 643181
 Ion Ratio Lower Upper
 96 100
 61 144.6 100.6 186.8
 98 64.2 44.0 81.8

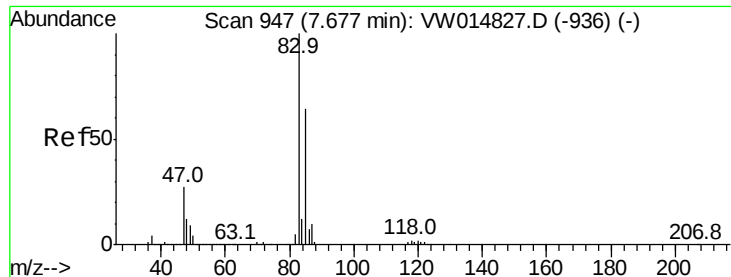


#23

Bromochloromethane
 Concen: 48.975 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW014828.D
 Acq: 03 Feb 2020 11:21

Tgt Ion: 128 Resp: 260859
 Ion Ratio Lower Upper
 128 100
 49 212.4 150.7 279.9
 130 129.0 90.6 168.3
 51 67.9 52.6 79.0

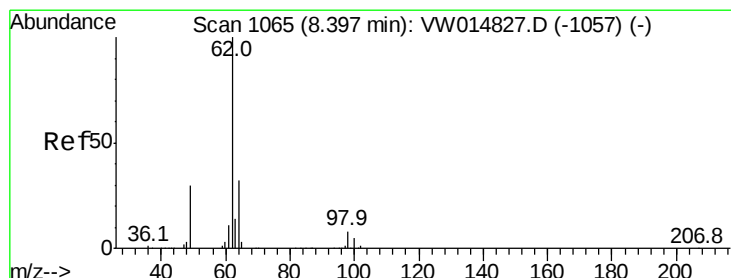
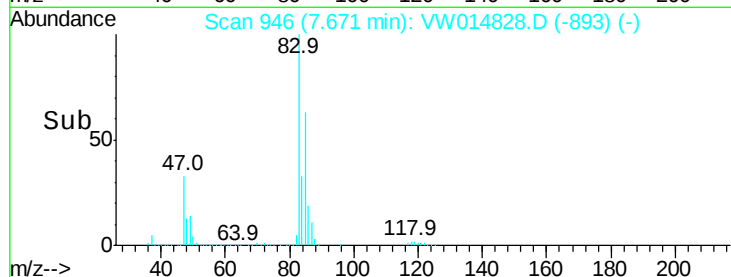
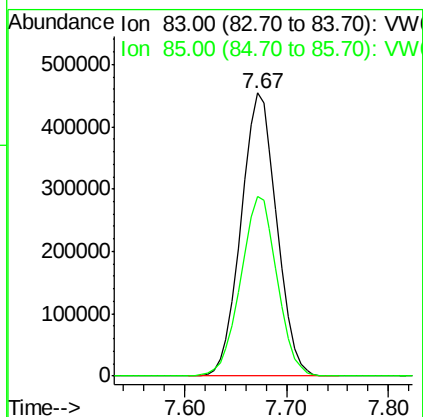
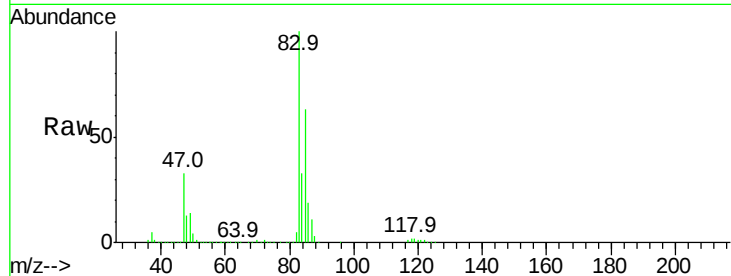




#25
Chloroform
Concen: 54.078 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW014828.D
Acq: 03 Feb 2020 11:21

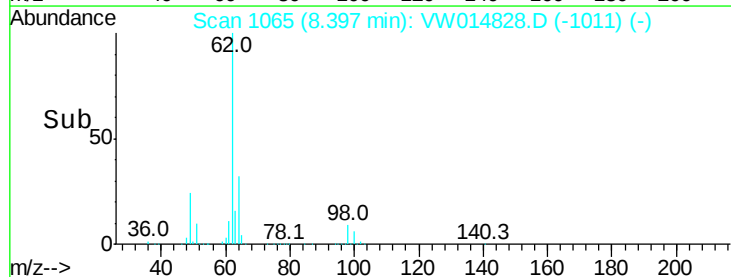
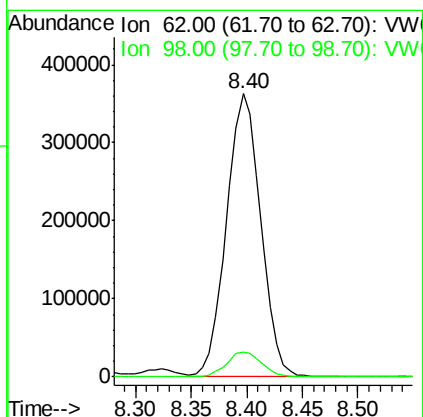
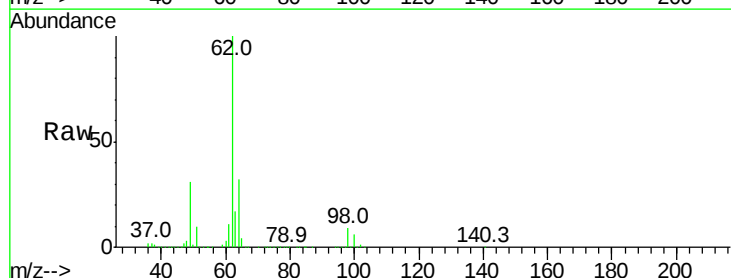
Instrument :
MSVOA_W
ClientSampleId :
VSTD05002

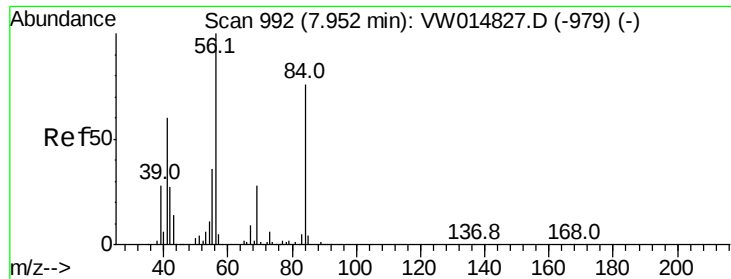
Tgt Ion: 83 Resp: 1101598
Ion Ratio Lower Upper
83 100
85 64.9 45.4 84.2



#27
1,2-Dichloroethane
Concen: 57.497 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW014828.D
Acq: 03 Feb 2020 11:21

Tgt Ion: 62 Resp: 773874
Ion Ratio Lower Upper
62 100
98 9.0 6.8 10.2

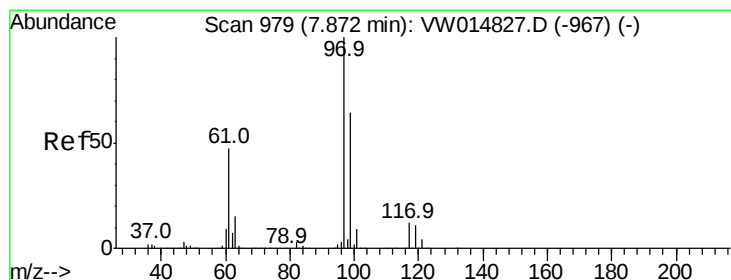
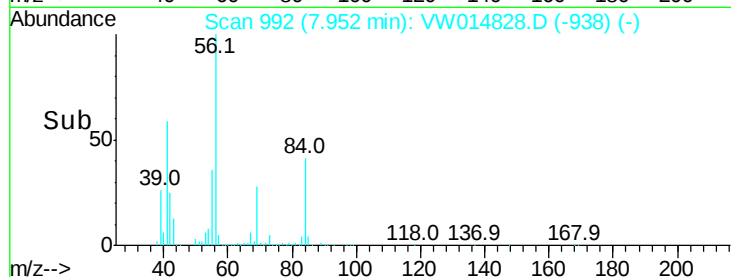
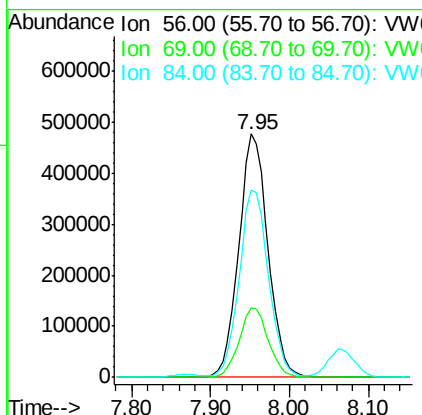
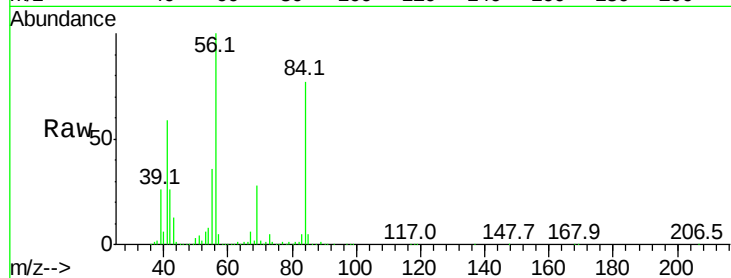




#30
Cyclohexane
Concen: 59.905 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW014828.D
Acq: 03 Feb 2020 11:21

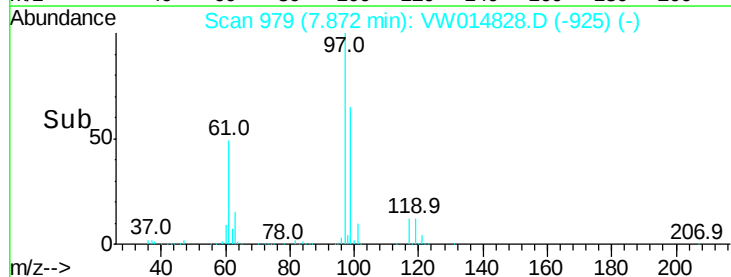
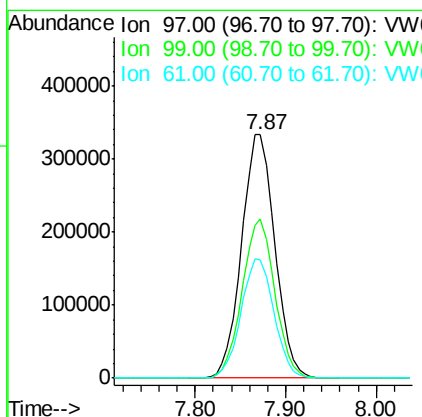
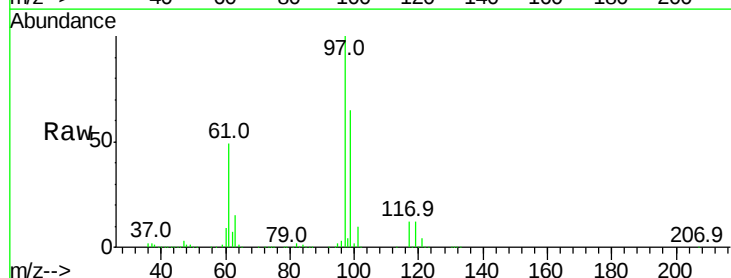
Instrument :
MSVOA_W
ClientSampleId :
VSTD05002

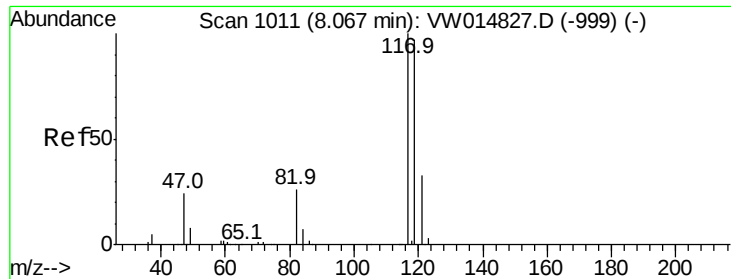
Tgt Ion: 56 Resp: 1225638
Ion Ratio Lower Upper
56 100
69 28.6 22.6 33.8
84 77.6 62.2 93.4



#31
1,1,1-Trichloroethane
Concen: 51.873 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW014828.D
Acq: 03 Feb 2020 11:21

Tgt Ion: 97 Resp: 848626
Ion Ratio Lower Upper
97 100
99 64.2 51.4 77.0
61 48.7 39.0 58.4





#32

Carbon tetrachloride

Concen: 50.771 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW014828.D

Acq: 03 Feb 2020 11:21

Instrument :

MSVOA_W

ClientSampleId :

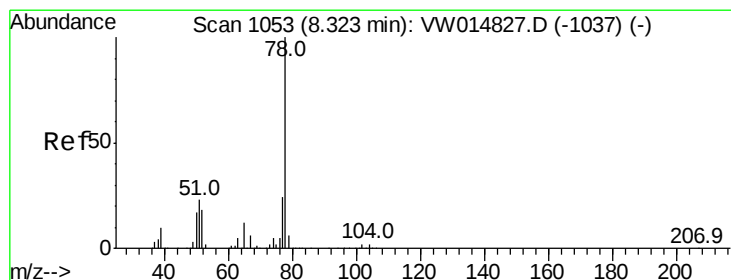
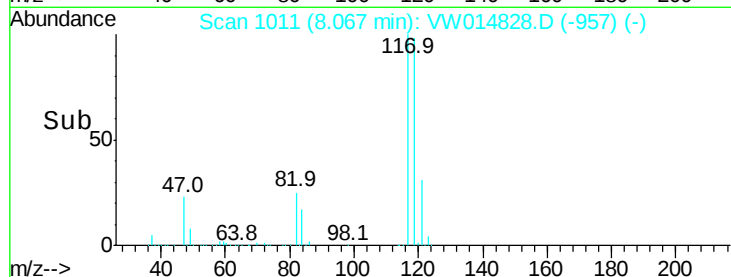
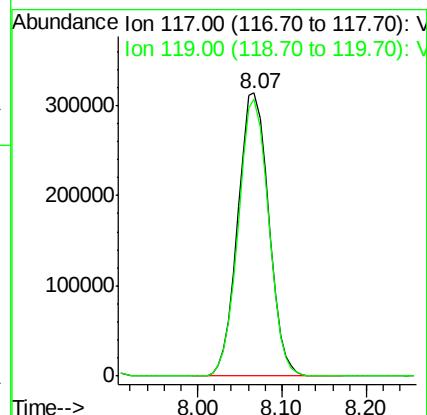
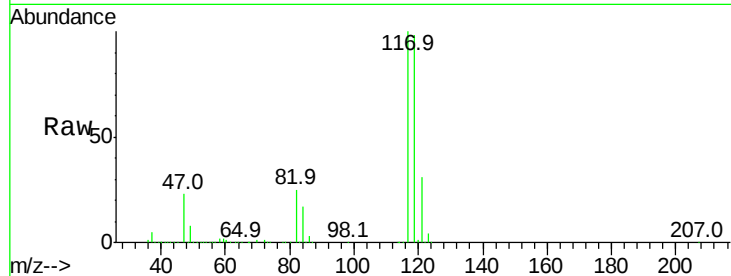
VSTD05002

Tgt Ion:117 Resp: 778414

Ion Ratio Lower Upper

117 100

119 95.9 77.0 115.4



#34

Benzene

Concen: 53.664 ug/L

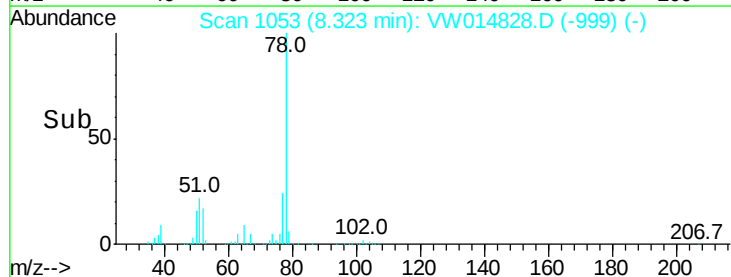
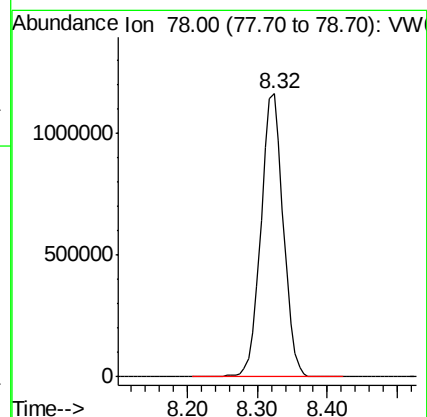
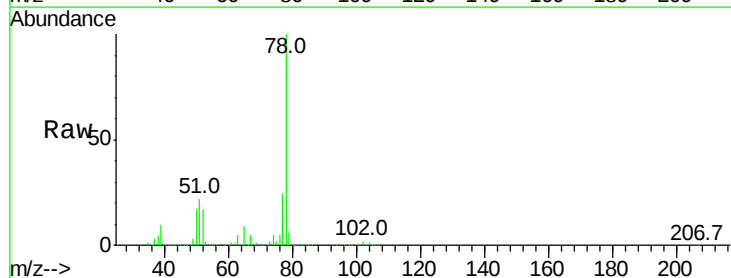
RT: 8.32 min Scan# 1053

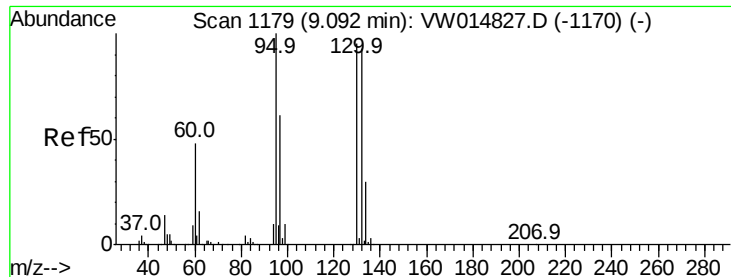
Delta R.T. -0.00 min

Lab File: VW014828.D

Acq: 03 Feb 2020 11:21

Tgt Ion: 78 Resp: 2575066





#35

Trichloroethene

Concen: 52.154 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW014828.D

Acq: 03 Feb 2020 11:21

Instrument :

MSVOA_W

ClientSampleId :

VSTD05002

Tgt Ion: 95 Resp: 635765

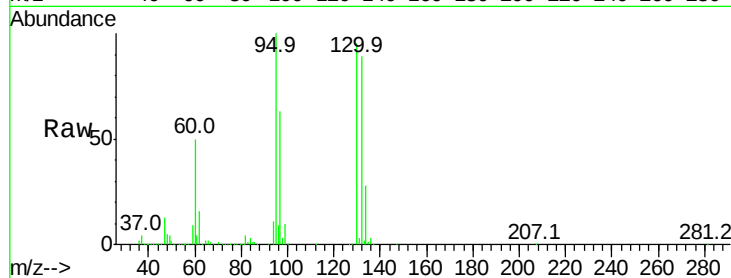
Ion Ratio Lower Upper

95 100

97 63.7 44.4 82.5

132 91.4 64.3 119.5

130 96.0 67.6 125.6

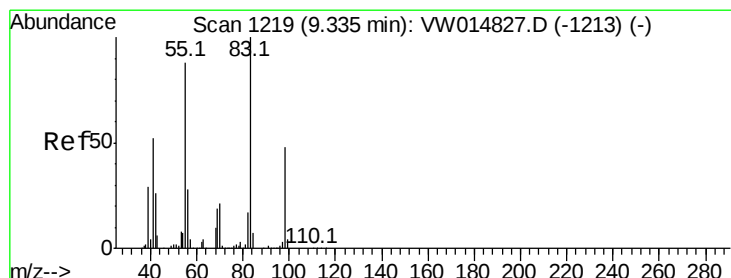
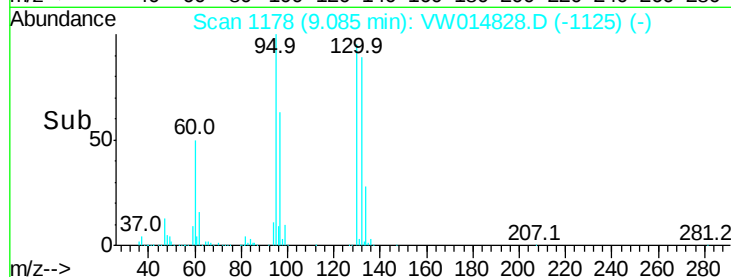
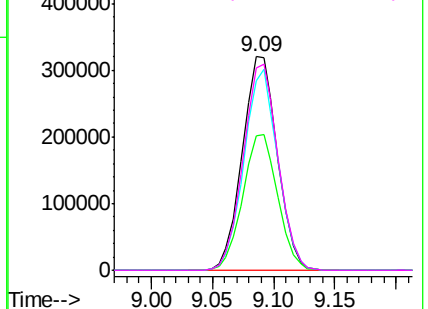


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 56.121 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW014828.D

Acq: 03 Feb 2020 11:21

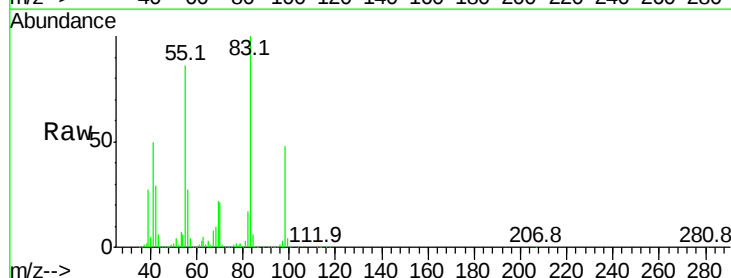
Tgt Ion: 83 Resp: 1190184

Ion Ratio Lower Upper

83 100

55 85.6 71.0 106.6

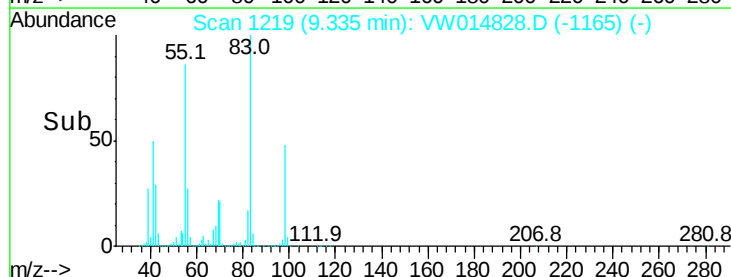
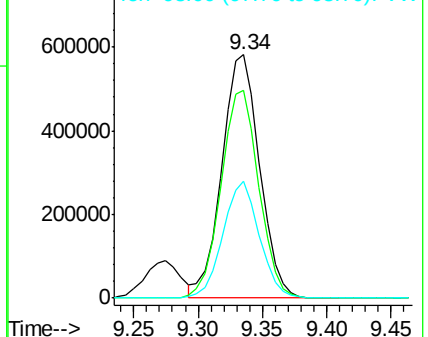
98 46.1 37.7 56.5

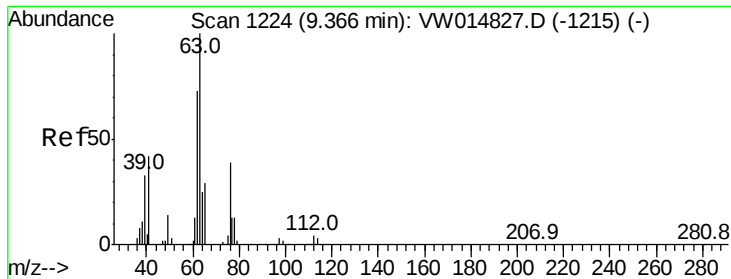


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

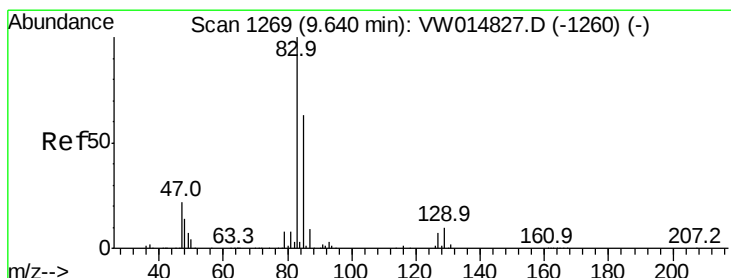
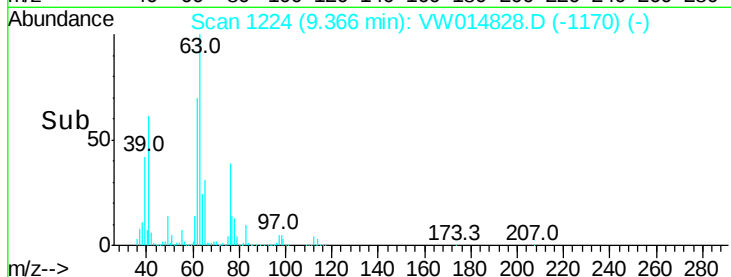
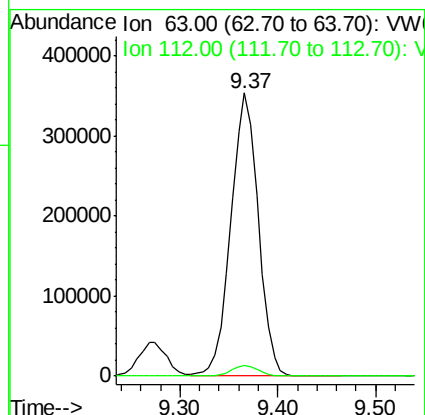
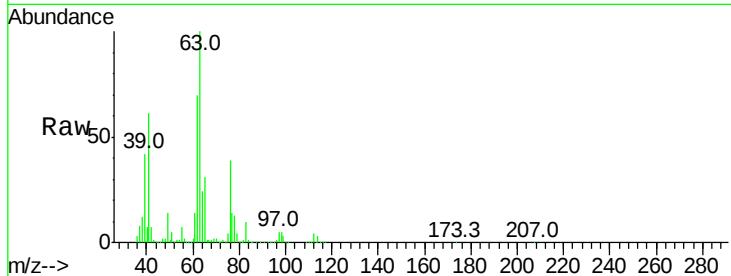




#40
 1,2-Dichloropropane
 Concen: 56.537 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW014828.D
 Acq: 03 Feb 2020 11:21

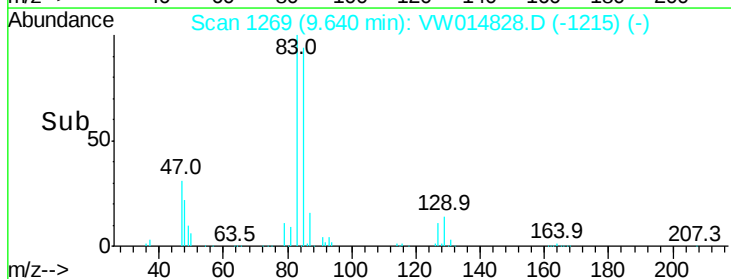
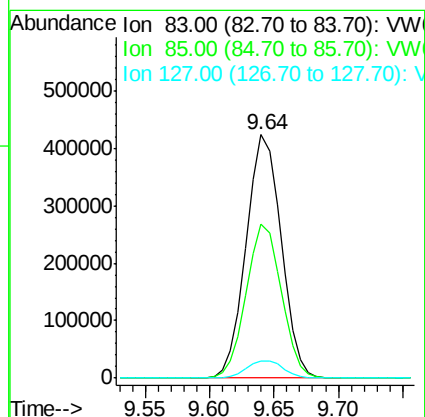
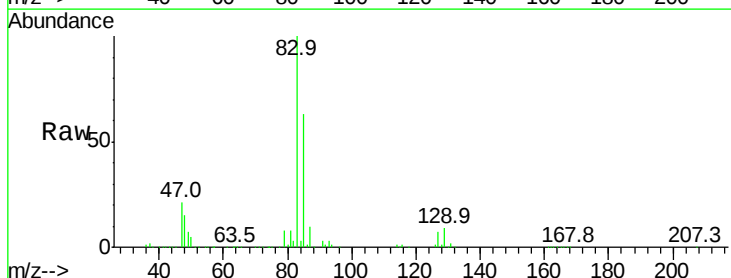
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05002

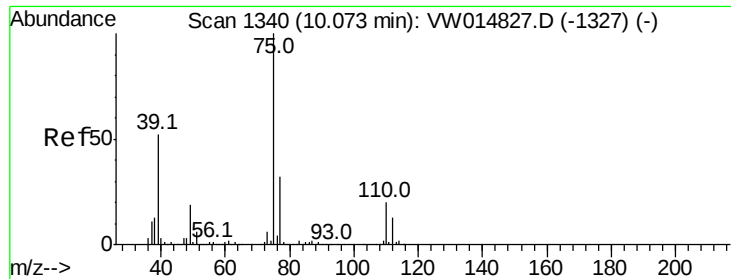
Tgt Ion: 63 Resp: 687749
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.2 4.8



#41
 Bromodichloromethane
 Concen: 54.972 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW014828.D
 Acq: 03 Feb 2020 11:21

Tgt Ion: 83 Resp: 799186
 Ion Ratio Lower Upper
 83 100
 85 63.1 44.2 82.0
 127 7.3 6.0 9.0





#42

cis-1,3-Dichloropropene

Concen: 58.566 ug/L

RT: 10.07 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VW014828.D

Acq: 03 Feb 2020 11:21

Instrument :

MSVOA_W

ClientSampleId :

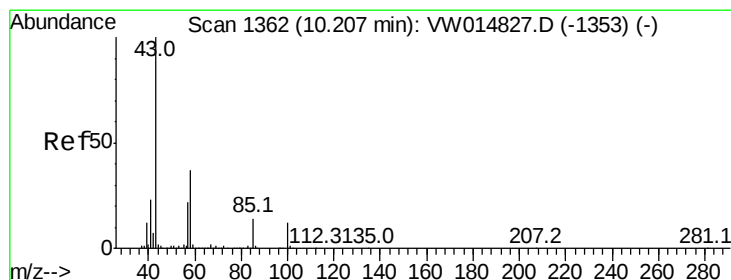
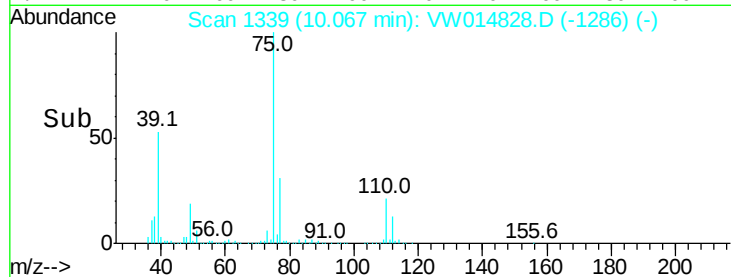
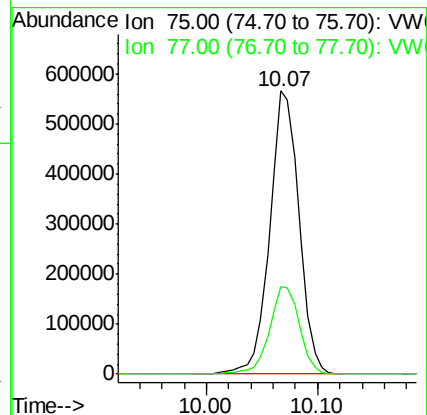
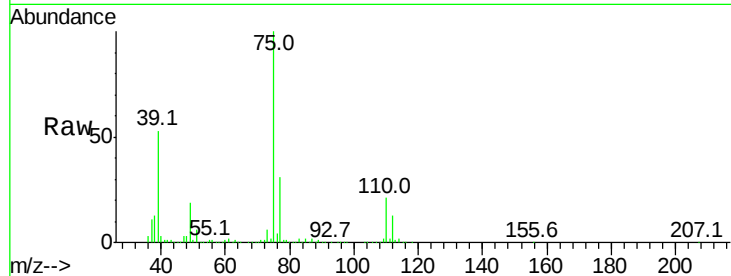
VSTD05002

Tgt Ion: 75 Resp: 1040548

Ion Ratio Lower Upper

75 100

77 31.1 22.1 41.1



#43

4-Methyl-2-pentanone

Concen: 140.845 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW014828.D

Acq: 03 Feb 2020 11:21

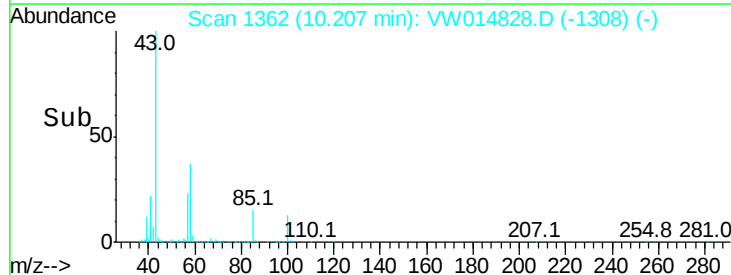
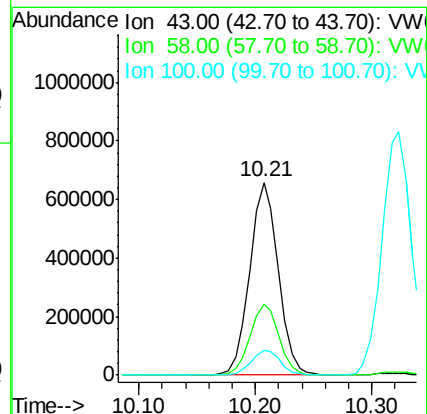
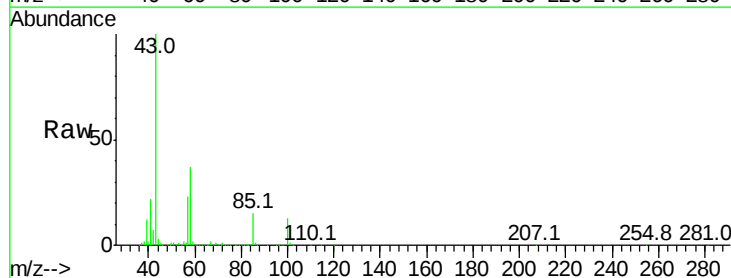
Tgt Ion: 43 Resp: 1126567

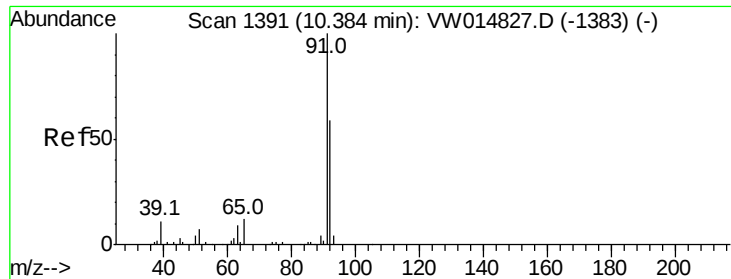
Ion Ratio Lower Upper

43 100

58 37.5 29.3 43.9

100 13.1 10.2 15.4





#44

Toluene

Concen: 54.527 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW014828.D

Acq: 03 Feb 2020 11:21

Instrument :

MSVOA_W

ClientSampleId :

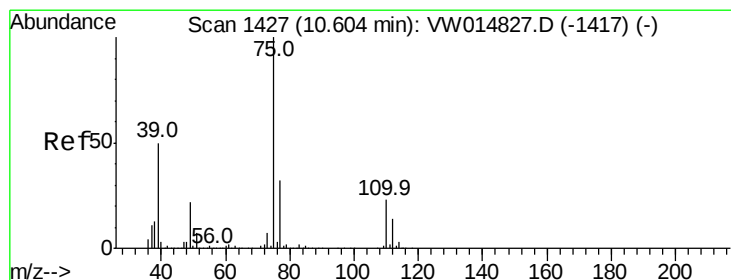
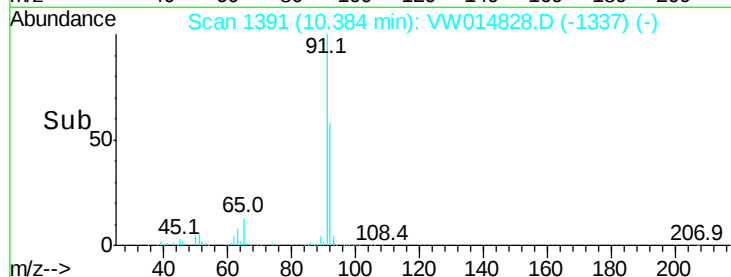
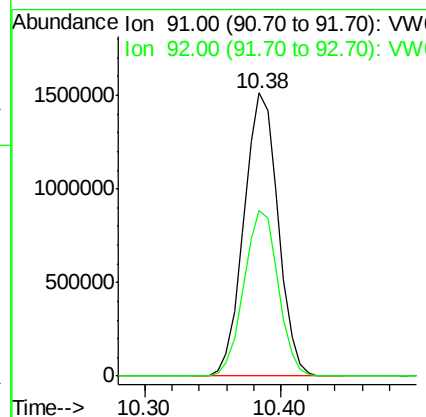
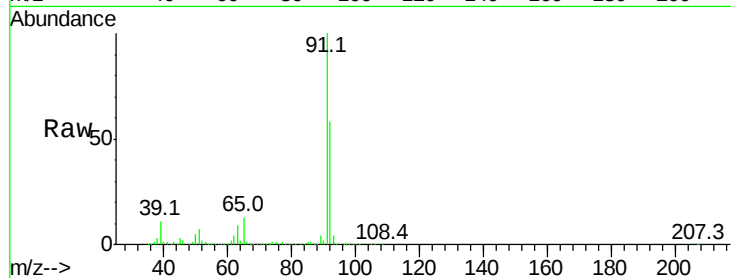
VSTD05002

Tgt Ion: 91 Resp: 2658621

Ion Ratio Lower Upper

91 100

92 58.4 41.6 77.2



#45

trans-1,3-Dichloropropene

Concen: 58.743 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW014828.D

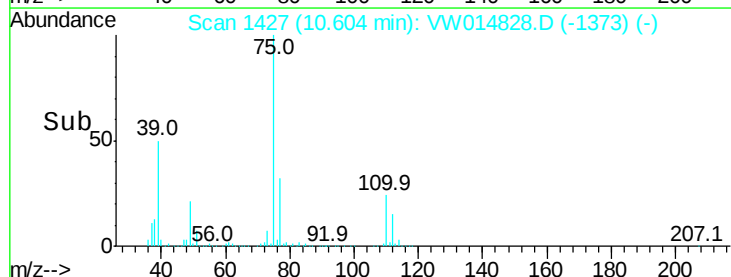
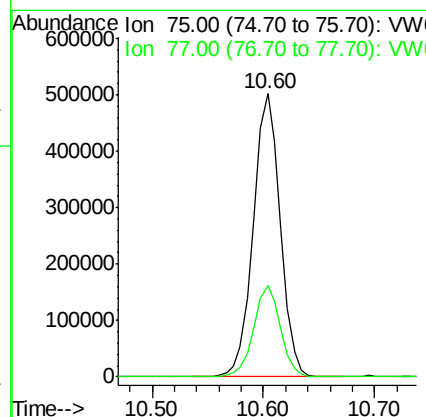
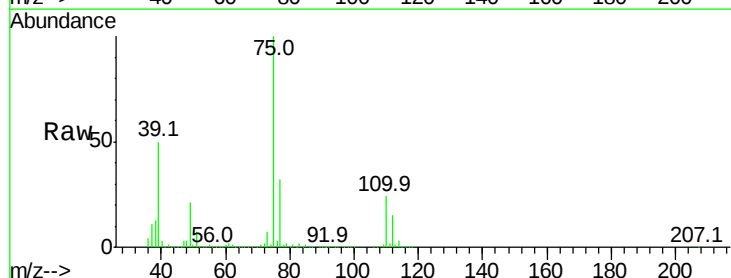
Acq: 03 Feb 2020 11:21

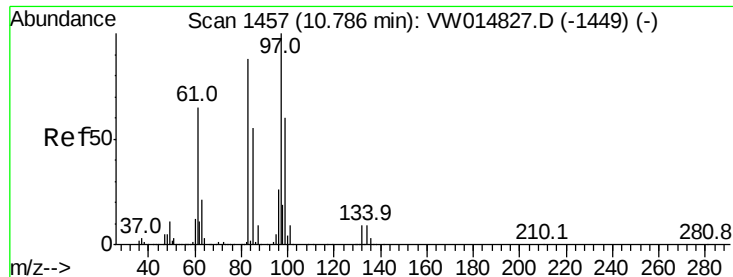
Tgt Ion: 75 Resp: 847267

Ion Ratio Lower Upper

75 100

77 32.2 22.7 42.1





#46

1,1,2-Trichloroethane

Concen: 56.380 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW014828.D

Acq: 03 Feb 2020 11:21

Instrument :

MSVOA_W

ClientSampleId :

VSTD05002

Tgt Ion: 97 Resp: 468172

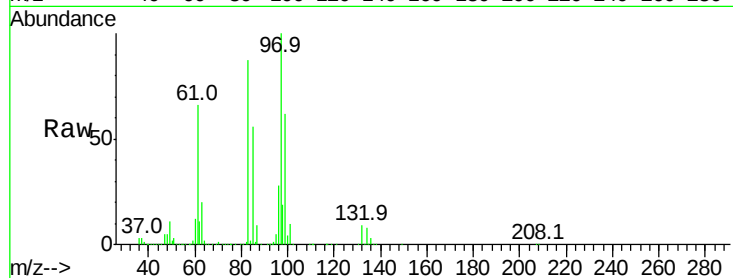
Ion Ratio Lower Upper

97 100

83 87.0 61.9 115.1

85 56.0 38.5 71.5

99 62.4 42.0 78.0

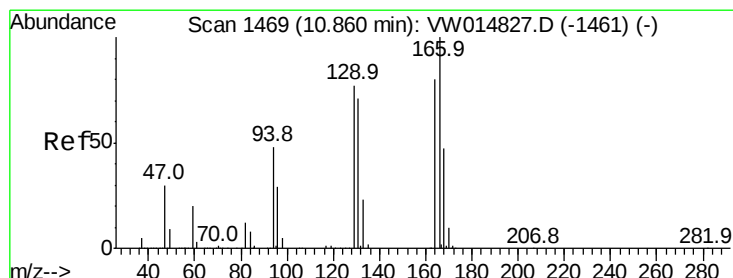
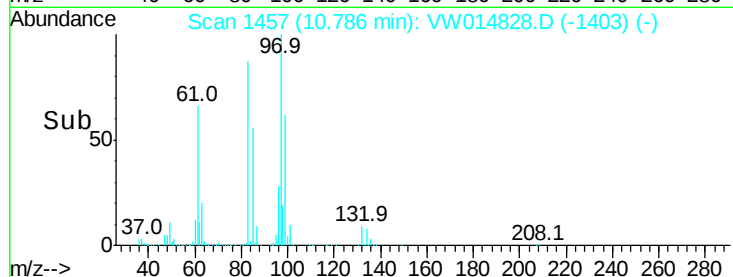
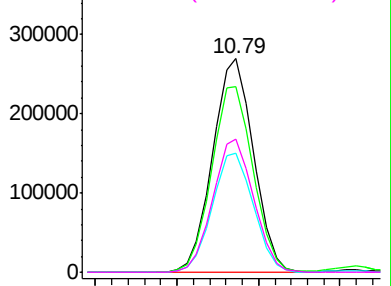


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 48.090 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW014828.D

Acq: 03 Feb 2020 11:21

Tgt Ion: 164 Resp: 468394

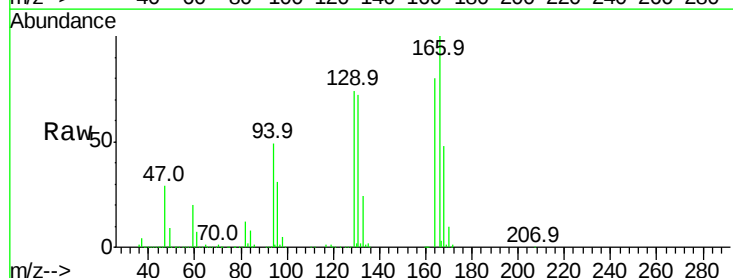
Ion Ratio Lower Upper

164 100

129 92.1 67.1 124.5

131 89.4 62.2 115.6

166 124.9 87.6 162.6

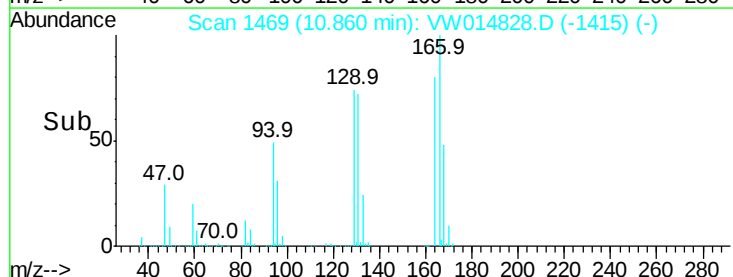
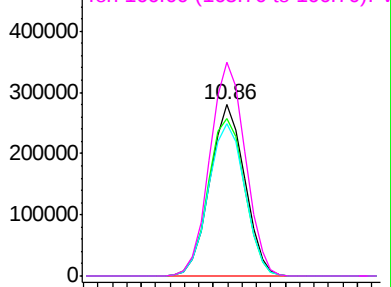


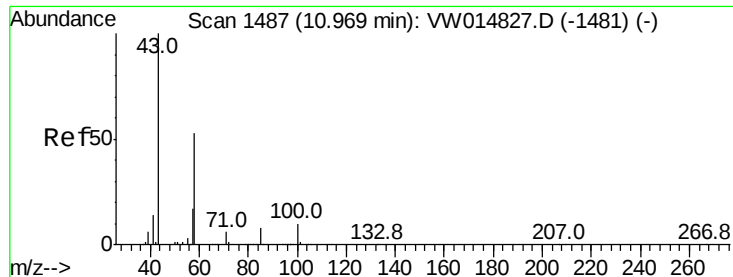
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

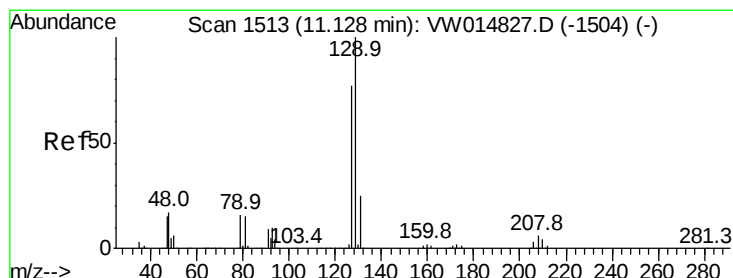
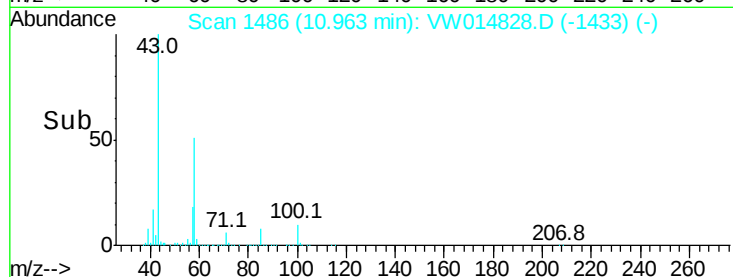
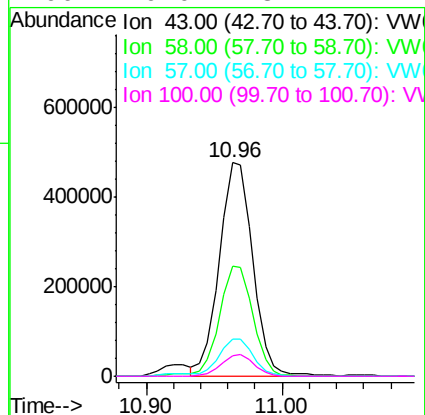
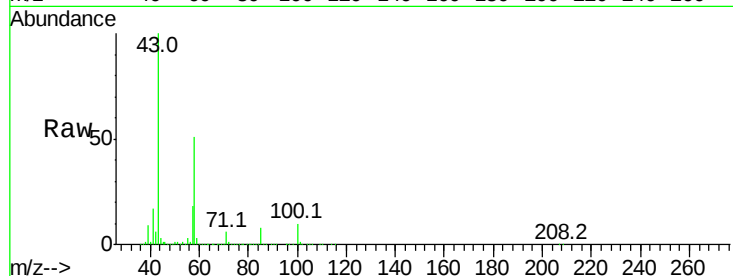




#49
2-Hexanone
Concen: 141.584 ug/L
RT: 10.96 min Scan# 1486
Delta R.T. -0.01 min
Lab File: VW014828.D
Acq: 03 Feb 2020 11:21

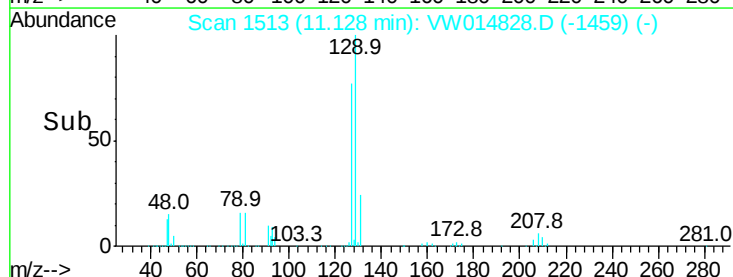
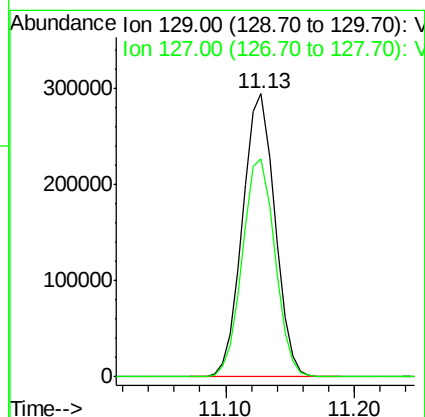
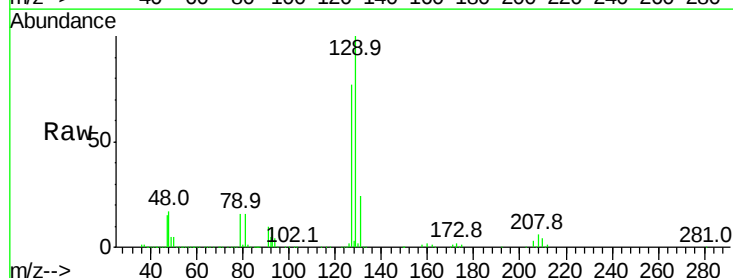
Instrument :
MSVOA_W
ClientSampleId :
VSTD05002

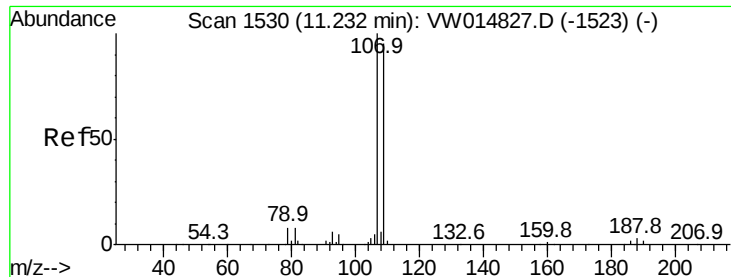
Tgt Ion:	43	Resp:	814208
Ion	Ratio	Lower	Upper
43	100		
58	51.0	41.1	61.7
57	17.7	14.1	21.1
100	10.0	8.1	12.1



#50
Dibromochloromethane
Concen: 54.069 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW014828.D
Acq: 03 Feb 2020 11:21

Tgt Ion:	129	Resp:	512278
Ion	Ratio	Lower	Upper
129	100		
127	77.1	54.2	100.6

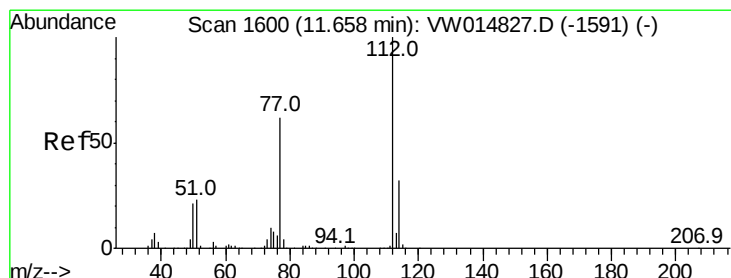
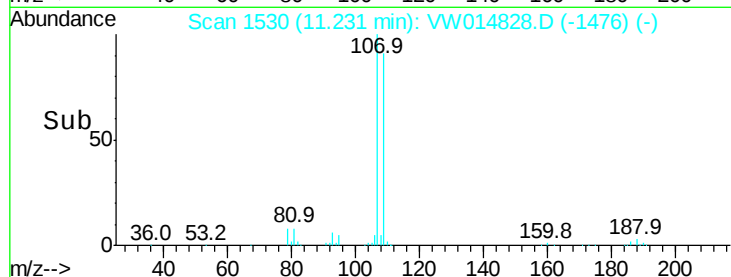
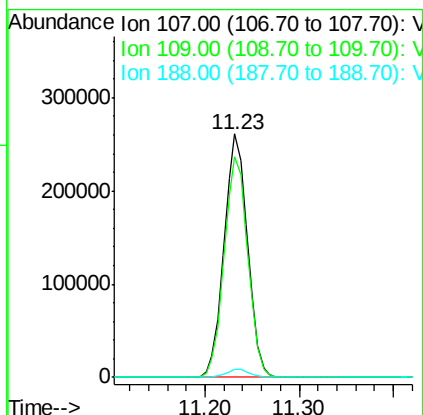
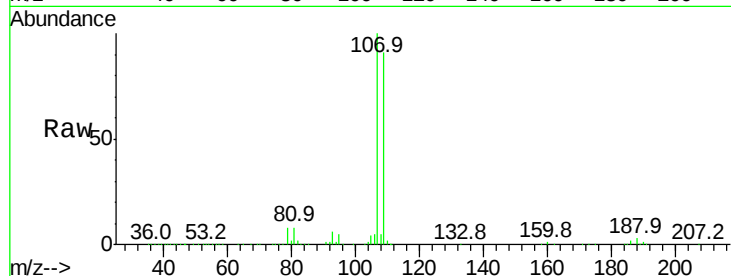




#51
 1,2-Dibromoethane
 Concen: 56.205 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW014828.D
 Acq: 03 Feb 2020 11:21

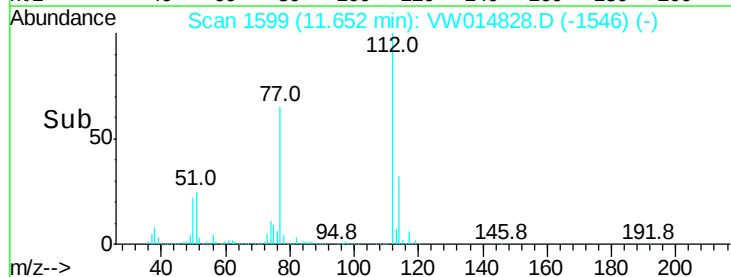
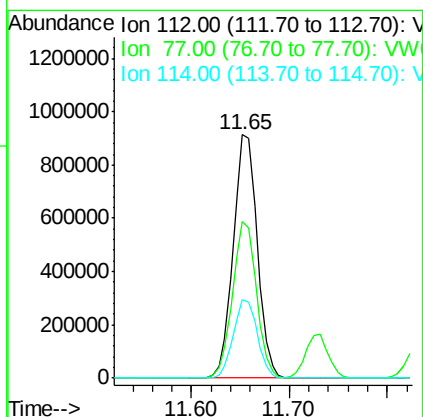
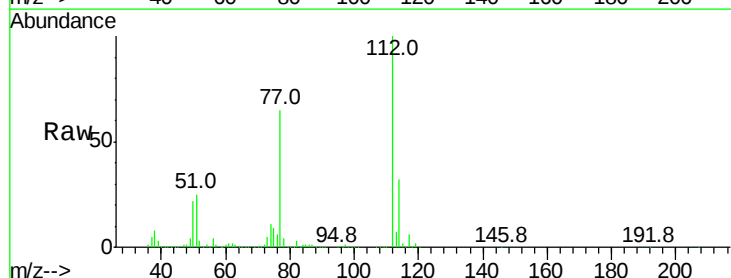
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05002

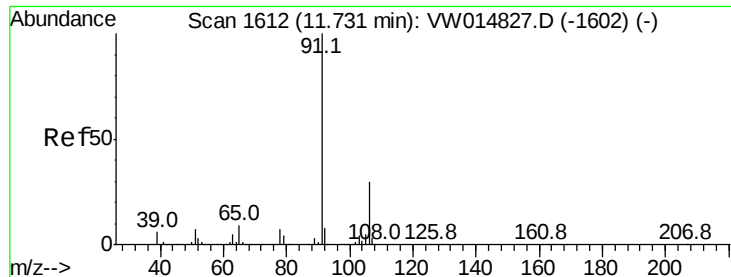
Tgt Ion	Ratio	Lower	Upper
107	100		
109	90.5	66.6	123.8
188	3.3	2.5	3.7



#52
 Chlorobenzene
 Concen: 51.212 ug/L
 RT: 11.65 min Scan# 1599
 Delta R.T. -0.01 min
 Lab File: VW014828.D
 Acq: 03 Feb 2020 11:21

Tgt Ion	Ratio	Lower	Upper
112	100		
77	64.5	49.8	74.8
114	32.2	22.1	41.1





#53

Ethylbenzene

Concen: 54.994 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW014828.D

Acq: 03 Feb 2020 11:21

Instrument :

MSVOA_W

ClientSampleId :

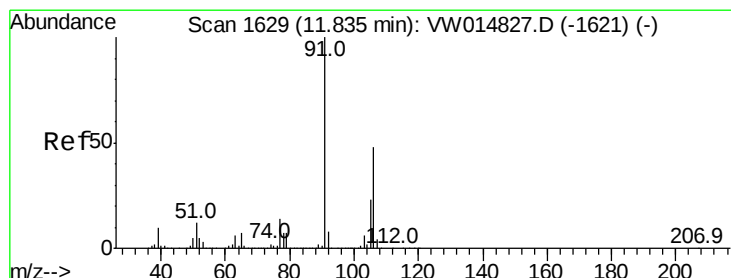
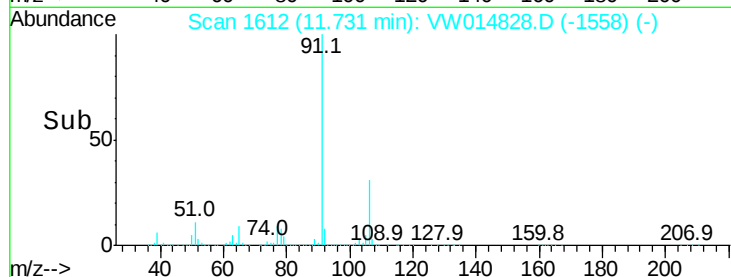
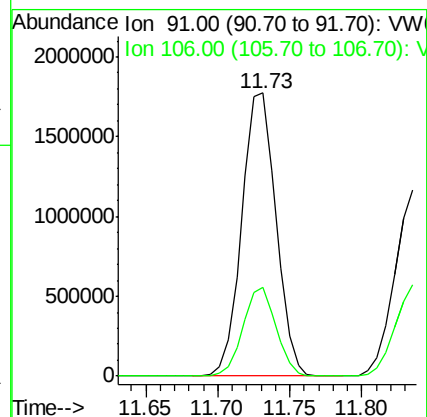
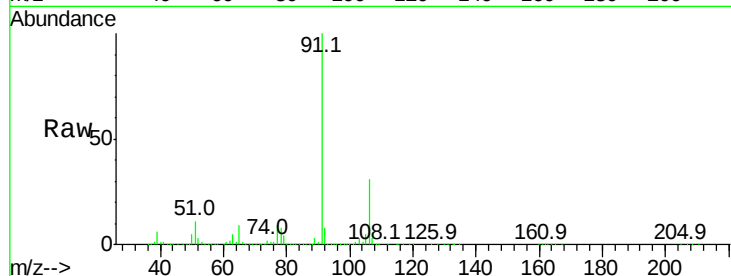
VSTD05002

Tgt Ion: 91 Resp: 2930220

Ion Ratio Lower Upper

91 100

106 31.2 21.3 39.5



#54

m,p-Xylene

Concen: 54.681 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VW014828.D

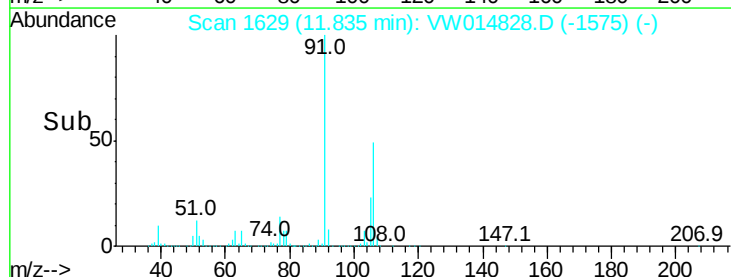
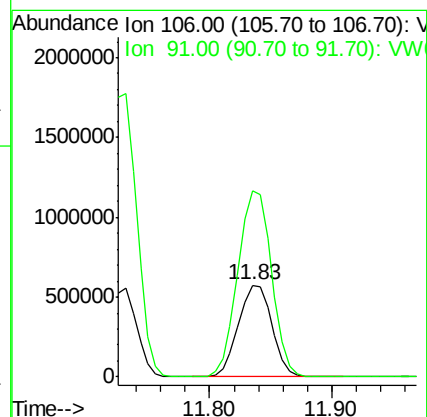
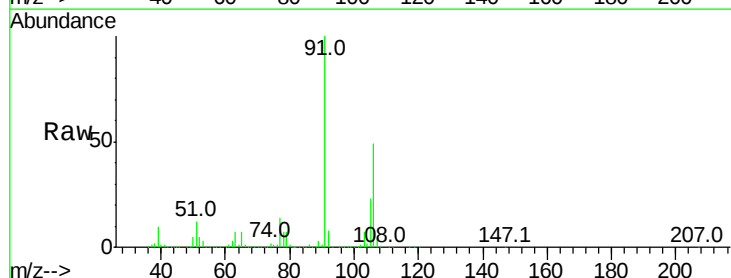
Acq: 03 Feb 2020 11:21

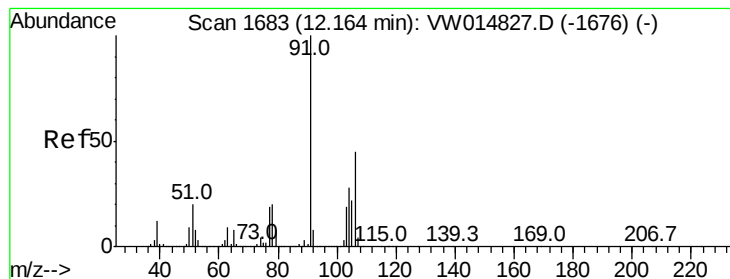
Tgt Ion: 106 Resp: 1089112

Ion Ratio Lower Upper

106 100

91 203.3 145.3 269.9





#55

o-xylene

Concen: 54.799 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW014828.D

Acq: 03 Feb 2020 11:21

Instrument :

MSVOA_W

ClientSampleId :

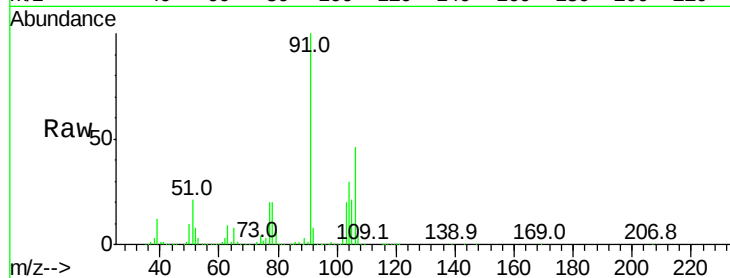
VSTD05002

Tgt Ion:106 Resp: 1024134

Ion Ratio Lower Upper

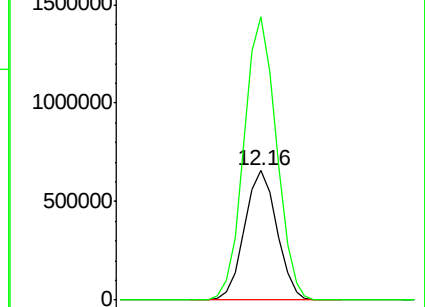
106 100

91 218.4 154.6 287.0

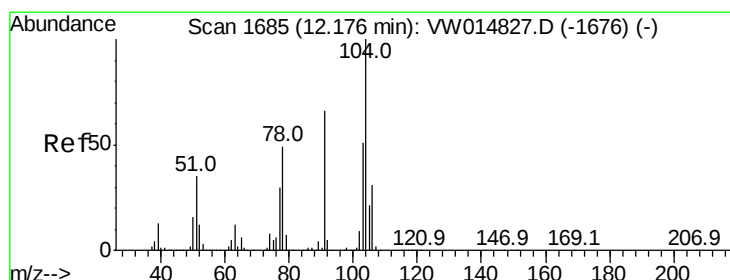
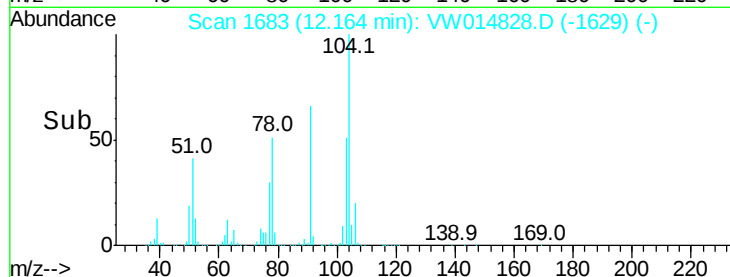


Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



Time-->



#56

Styrene

Concen: 55.502 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VW014828.D

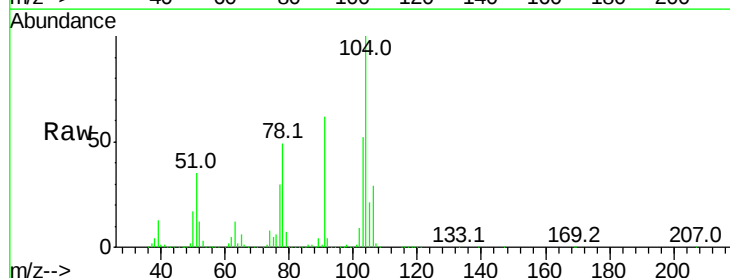
Acq: 03 Feb 2020 11:21

Tgt Ion:104 Resp: 1759177

Ion Ratio Lower Upper

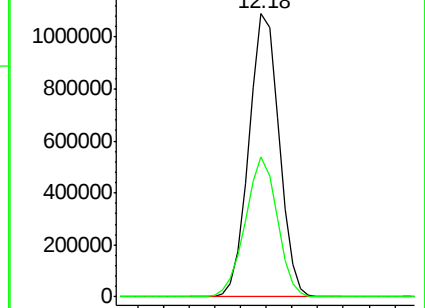
104 100

78 49.5 34.3 63.7

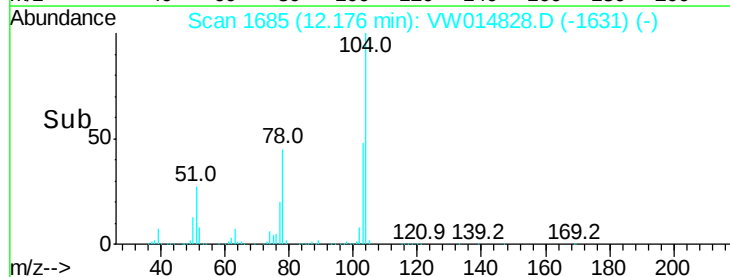


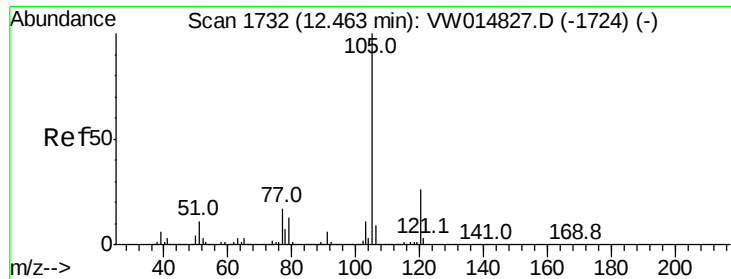
Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW



Time-->





#57

Isopropylbenzene

Concen: 54.839 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW014828.D

Acq: 03 Feb 2020 11:21

Instrument :

MSVOA_W

ClientSampleId :

VSTD05002

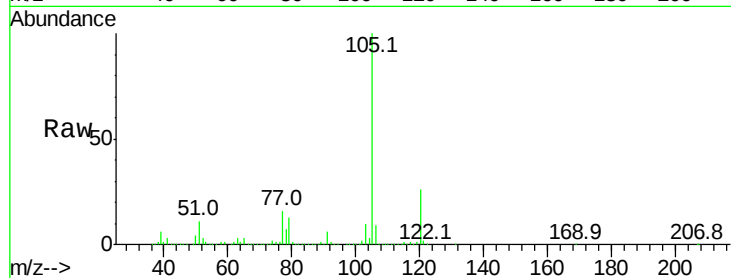
Tgt Ion:105 Resp: 2775655

Ion Ratio Lower Upper

105 100

120 26.1 20.5 30.7

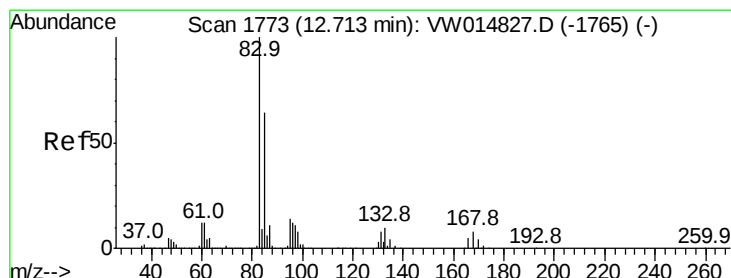
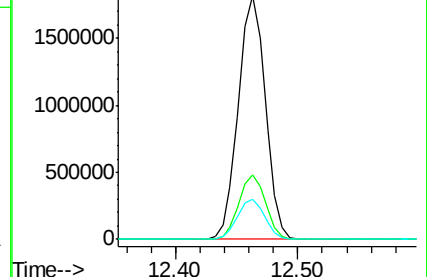
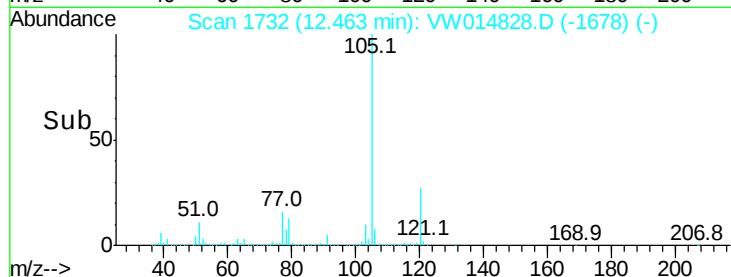
77 16.5 13.3 19.9



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: 58.548 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW014828.D

Acq: 03 Feb 2020 11:21

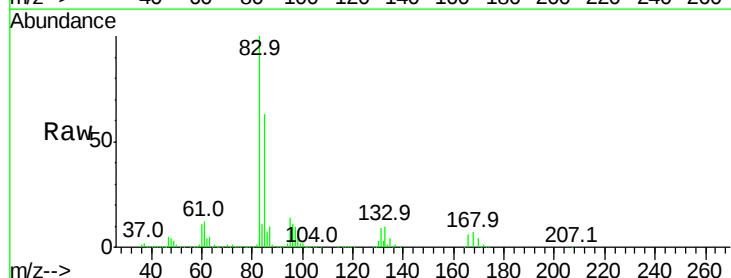
Tgt Ion: 83 Resp: 626406

Ion Ratio Lower Upper

83 100

85 62.7 44.9 83.5

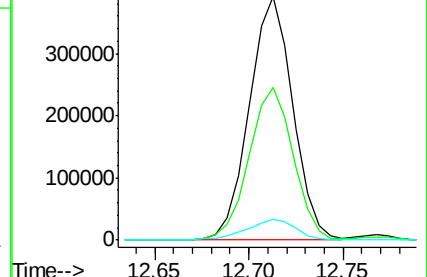
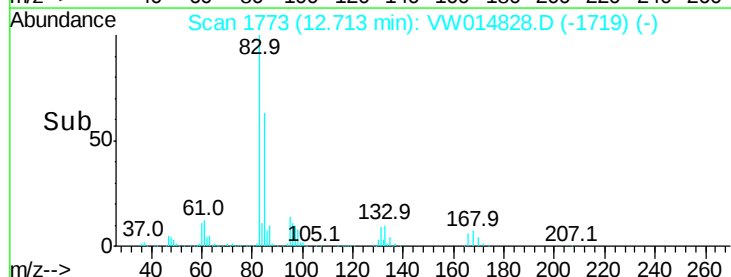
131 8.6 6.9 10.3

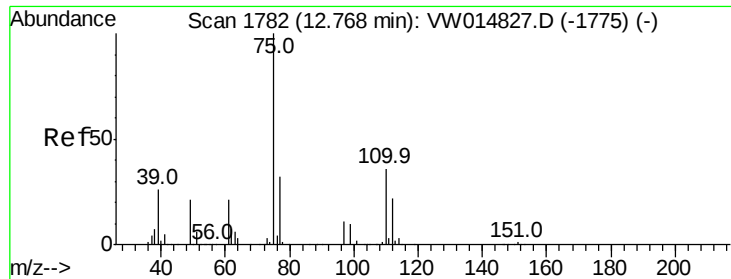


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 58.827 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW014828.D

Acq: 03 Feb 2020 11:21

Instrument :

MSVOA_W

ClientSampleId :

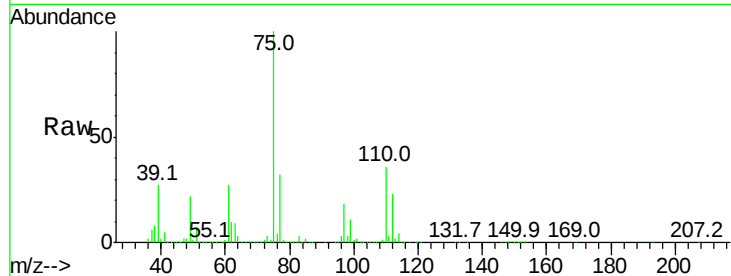
VSTD05002

Tgt Ion: 75 Resp: 472774

Ion Ratio Lower Upper

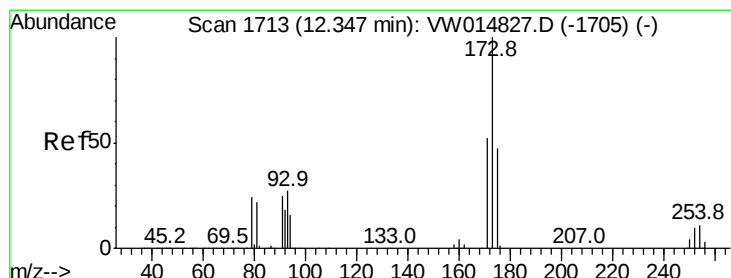
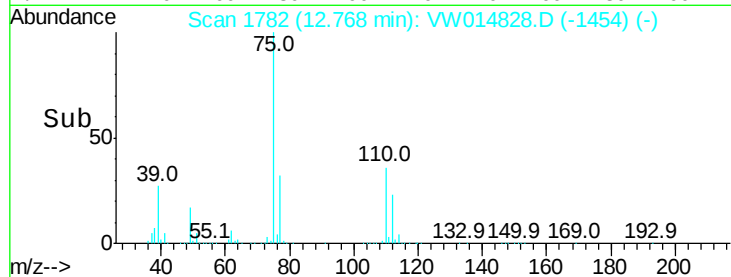
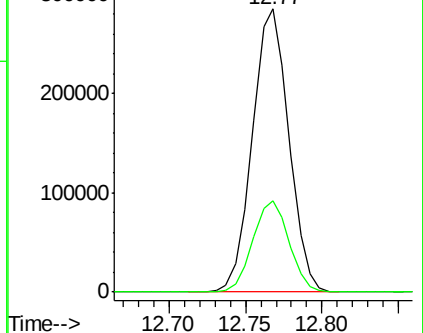
75 100

77 32.2 25.3 37.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#62

Bromoform

Concen: 53.104 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW014828.D

Acq: 03 Feb 2020 11:21

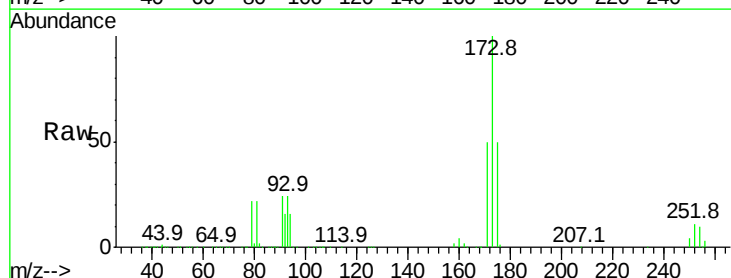
Tgt Ion: 173 Resp: 294142

Ion Ratio Lower Upper

173 100

175 50.4 38.2 57.4

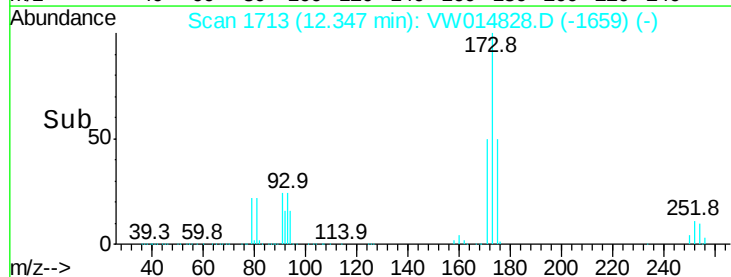
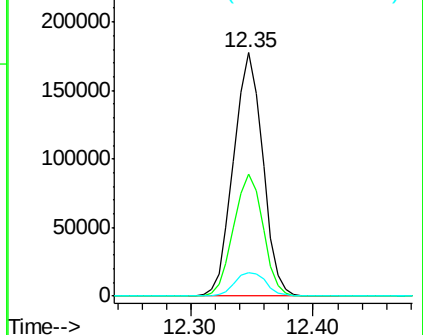
254 10.4 8.6 13.0

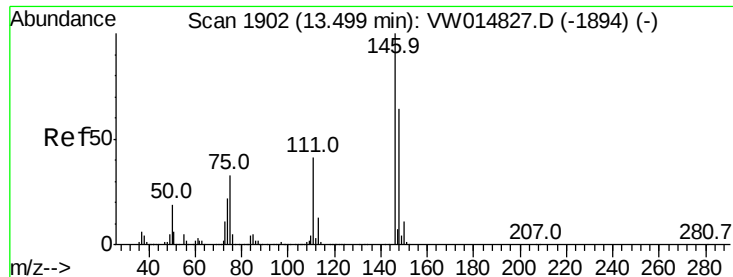


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V





#63

1,3-Dichlorobenzene

Concen: 50.378 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW014828.D

Acq: 03 Feb 2020 11:21

Instrument :

MSVOA_W

ClientSampleId :

VSTD05002

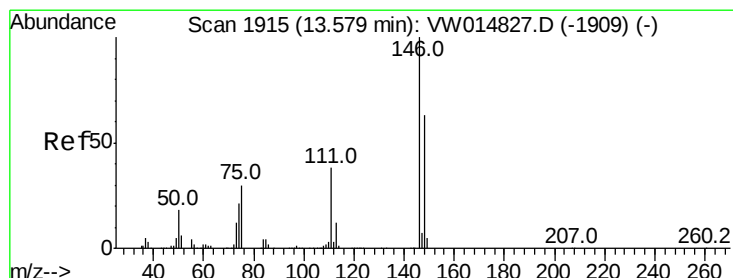
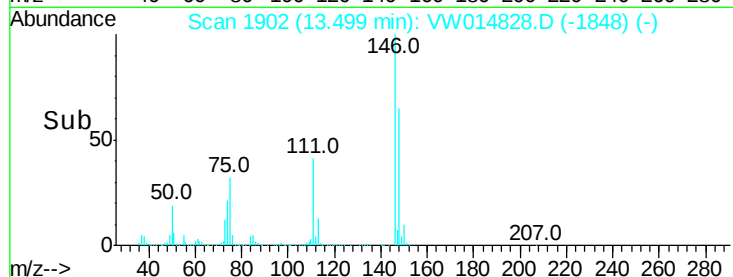
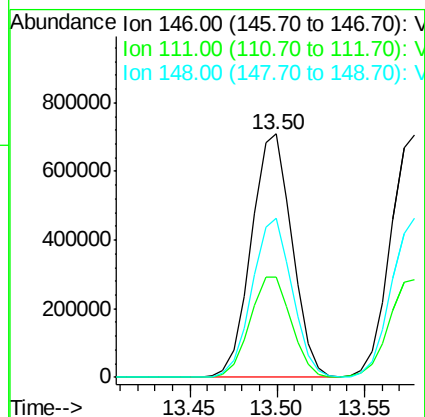
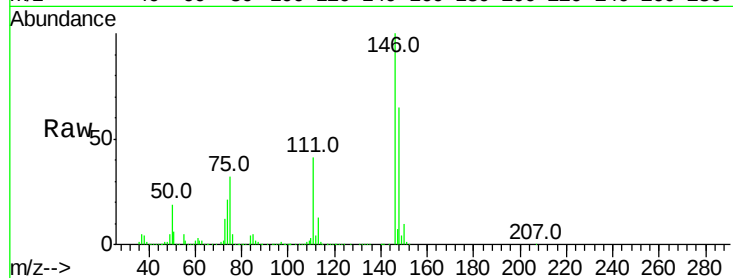
Tgt Ion:146 Resp: 1147665

Ion Ratio Lower Upper

146 100

111 41.2 28.8 53.4

148 65.2 45.1 83.7



#64

1,4-Dichlorobenzene

Concen: 49.948 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW014828.D

Acq: 03 Feb 2020 11:21

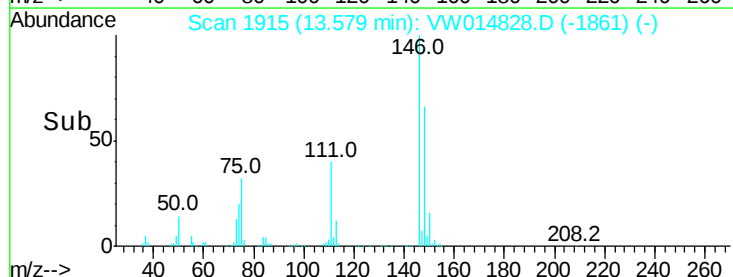
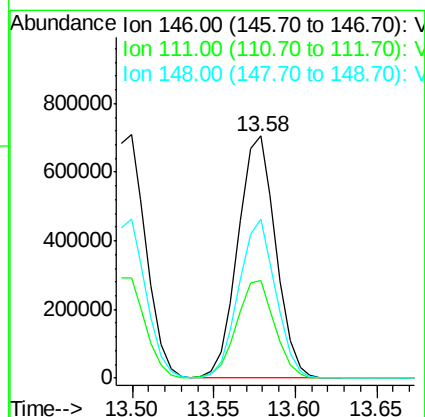
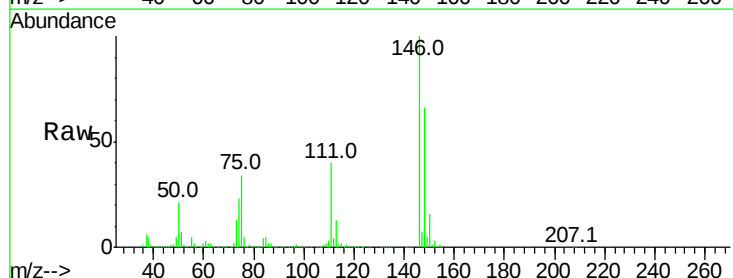
Tgt Ion:146 Resp: 1140369

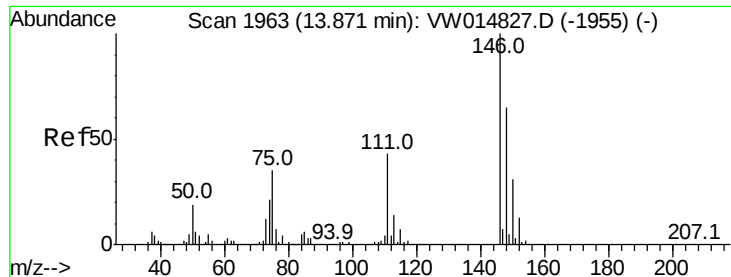
Ion Ratio Lower Upper

146 100

111 40.1 27.2 50.4

148 65.9 44.2 82.0





#65

1,2-Dichlorobenzene

Concen: 50.753 ug/L

RT: 13.87 min Scan# 1962

Delta R.T. -0.01 min

Lab File: VW014828.D

Acq: 03 Feb 2020 11:21

Instrument :

MSVOA_W

ClientSampleId :

VSTD05002

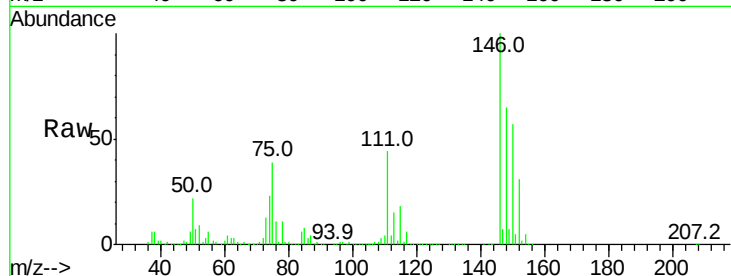
Tgt Ion:146 Resp: 1051637

Ion Ratio Lower Upper

146 100

111 44.3 34.3 51.5

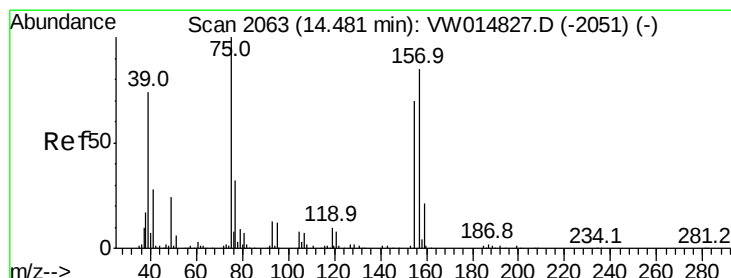
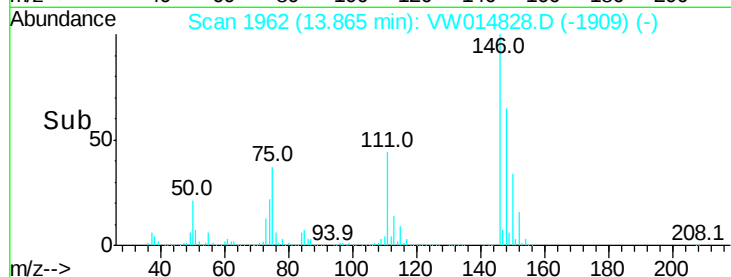
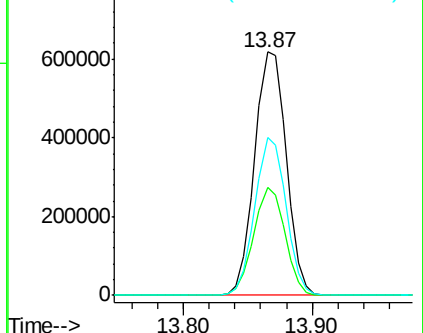
148 64.7 52.0 78.0



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: 61.424 ug/L

RT: 14.48 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VW014828.D

Acq: 03 Feb 2020 11:21

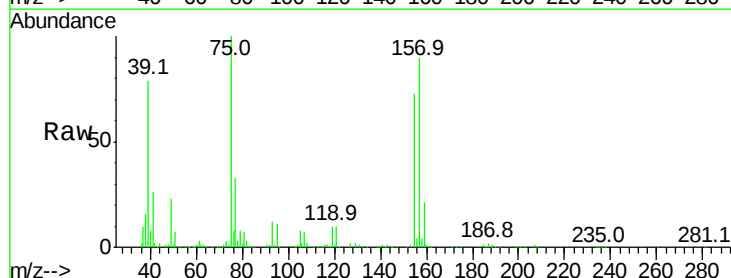
Tgt Ion: 75 Resp: 104389

Ion Ratio Lower Upper

75 100

157 90.5 68.2 102.2

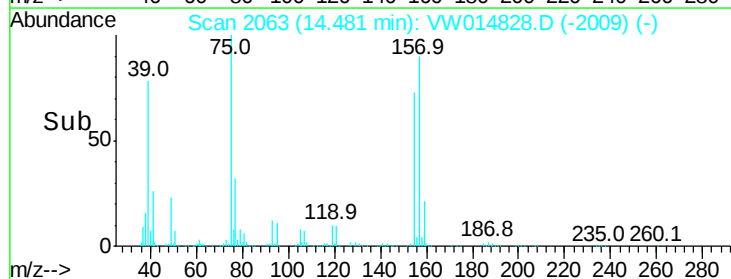
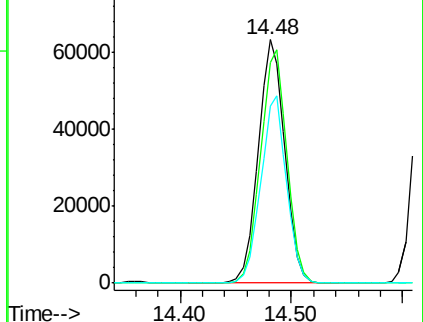
155 72.8 56.0 84.0

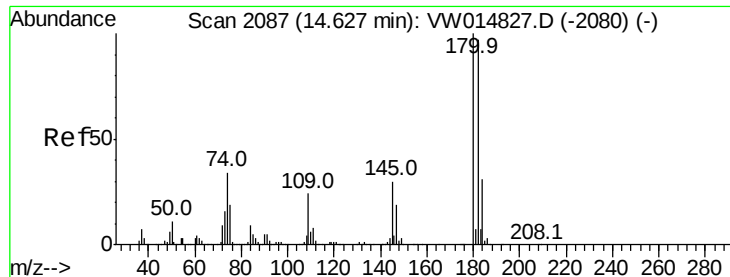


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

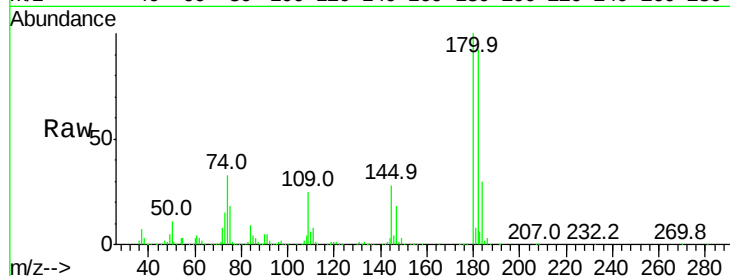




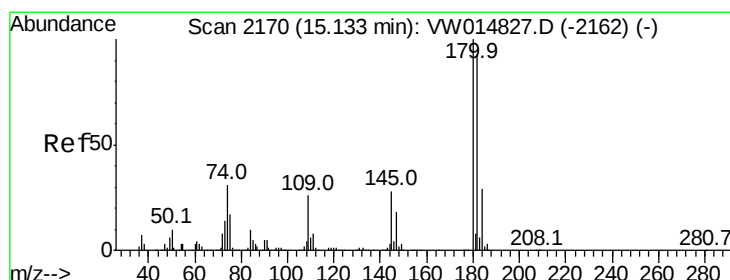
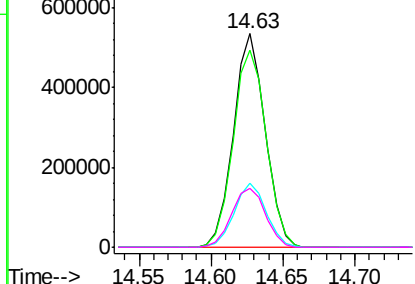
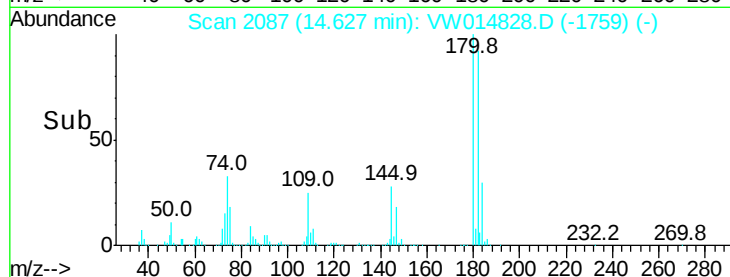
#67
 1,3,5-Trichlorobenzene
 Concen: 48.846 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW014828.D
 Acq: 03 Feb 2020 11:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05002

Tgt Ion:	180	Resp:	824200
Ion Ratio	Lower	Upper	
180	100		
182	95.7	76.1	114.1
184	30.0	24.2	36.2
145	29.4	23.9	35.9

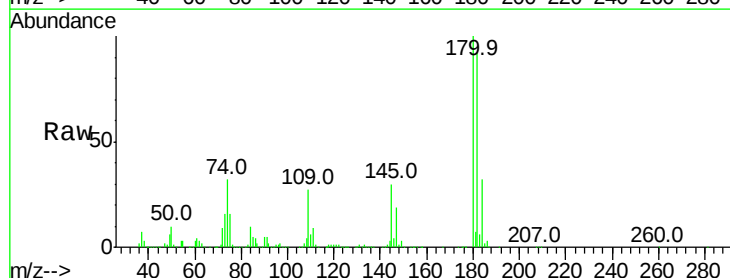


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

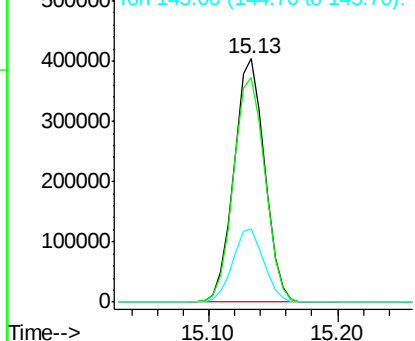
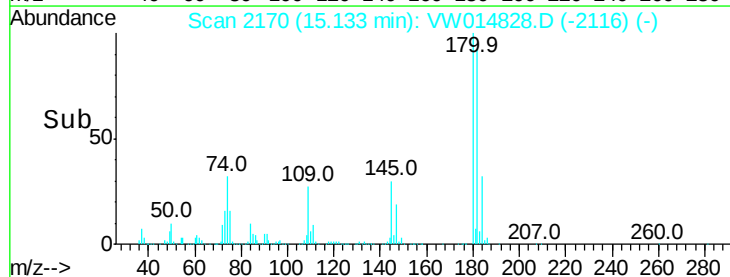


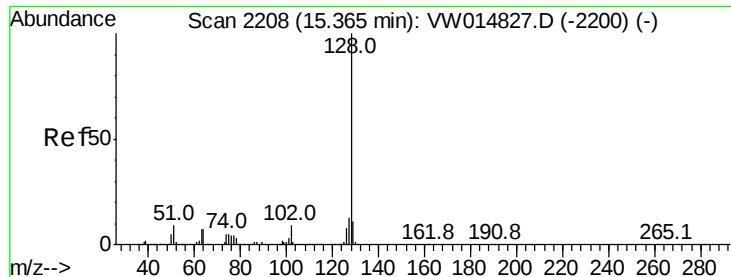
#68
 1,2,4-trichlorobenzene
 Concen: 53.561 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW014828.D
 Acq: 03 Feb 2020 11:21

Tgt Ion:	180	Resp:	670693
Ion Ratio	Lower	Upper	
180	100		
182	94.3	74.7	112.1
145	30.5	24.1	36.1



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: 66.820 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW014828.D

Acq: 03 Feb 2020 11:21

Instrument :

MSVOA_W

ClientSampleId :

VSTD05002

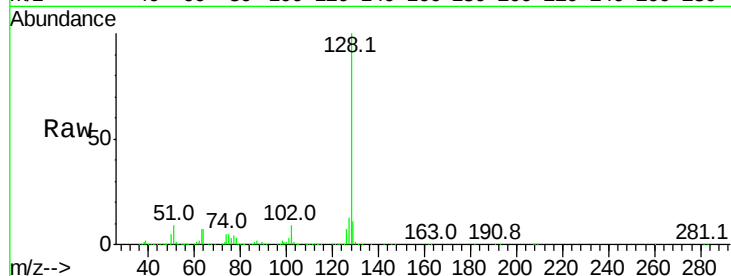
Tgt Ion:128 Resp: 1513313

Ion Ratio Lower Upper

128 100

129 11.0 8.7 13.1

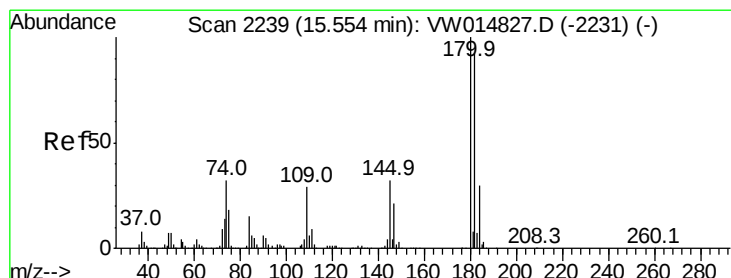
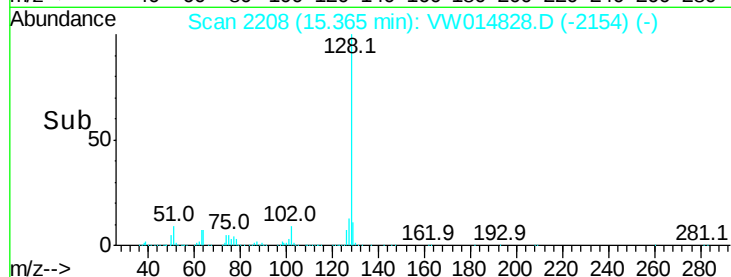
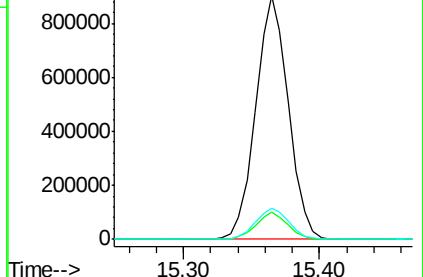
127 13.1 10.6 15.8



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: 53.462 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW014828.D

Acq: 03 Feb 2020 11:21

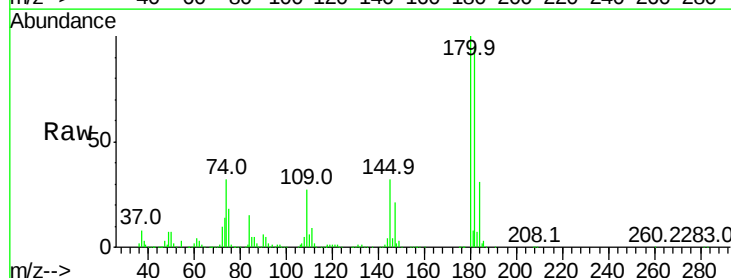
Tgt Ion:180 Resp: 613799

Ion Ratio Lower Upper

180 100

182 94.6 76.4 114.6

145 32.1 25.7 38.5



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

