

Data File : VW014761.D
Acq On : 27 Jan 2020 11:33
Operator : SY/VA
Sample : VSTD025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02505

Quant Time: Jan 27 12:14:09 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM012720S.M
Quant Title : VOC Analysis
QLast Update : Mon Jan 27 08:51:33 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1035691	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	927495	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	452930	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	418749	28.68	ug/L	0.00
7) Chloroethane-d5	2.89	69	366044	34.03	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	765271	28.66	ug/L	0.00
20) 2-Butanone-d5	7.07	46	205474	59.14	ug/L	0.00
24) Chloroform-d	7.64	84	739249	31.03	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.30	65	383570	31.02	ug/L	0.00
29) Benzene-d6	8.27	84	1549198	31.41	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	476591	32.14	ug/L	0.00
37) Toluene-d8	10.32	98	1393215	31.16	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.57	79	183424	29.95	ug/L	0.00
39) 2-Hexanone-d5	10.92	63	161672	63.76	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	352216	31.63	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	448044	30.02	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	336194	36.286	ug/L	99
3) Chloromethane	2.21	50	328762	31.387	ug/L	100
5) Vinyl chloride	2.36	62	490218	32.892	ug/L	100
6) Bromomethane	2.78	94	260590	29.943	ug/L	99
8) Chloroethane	2.92	64	263131	31.573	ug/L	98
9) Trichlorofluoromethane	3.26	101	243694	30.913	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	347186	25.655	ug/L	97
13) Acetone	4.11	43	207155	43.066	ug/L	99
14) Carbon disulfide	4.38	76	1119344	27.358	ug/L	99
15) Methyl Acetate	4.67	43	157387	24.248	ug/L	99
16) Methylene chloride	4.91	84	362436	21.461	ug/L	95
17) Methyl tert-butyl Ether	5.42	73	427342	25.053	ug/L	98
18) trans-1,2-Dichloroethene	5.42	96	351116	25.152	ug/L	98
19) 1,1-Dichloroethane	6.21	63	648541	25.700	ug/L	100
21) 2-Butanone	7.16	43	247315	47.922	ug/L	97
22) cis-1,2-Dichloroethene	7.16	96	368969	25.110	ug/L	97
23) Bromochloromethane	7.51	128	152973	24.048	ug/L	93
25) Chloroform	7.67	83	607586	25.173	ug/L	100
27) 1,2-Dichloroethane	8.40	62	390019	24.892	ug/L	97
30) Cyclohexane	7.95	56	645687	27.215	ug/L	97
31) 1,1,1-Trichloroethane	7.87	97	484520	25.466	ug/L	98
32) Carbon tetrachloride	8.06	117	454598	25.645	ug/L	99
34) Benzene	8.32	78	1432452	25.664	ug/L	100
35) Trichloroethene	9.09	95	360653	25.036	ug/L	98
36) Methylcyclohexane	9.33	83	657676	26.024	ug/L	97
40) 1,2-Dichloropropane	9.37	63	357084	25.276	ug/L	100
41) Bromodichloromethane	9.64	83	422897	24.887	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	541767	25.672	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	423068	46.650	ug/L	97
44) Toluene	10.38	91	1484888	25.457	ug/L	99

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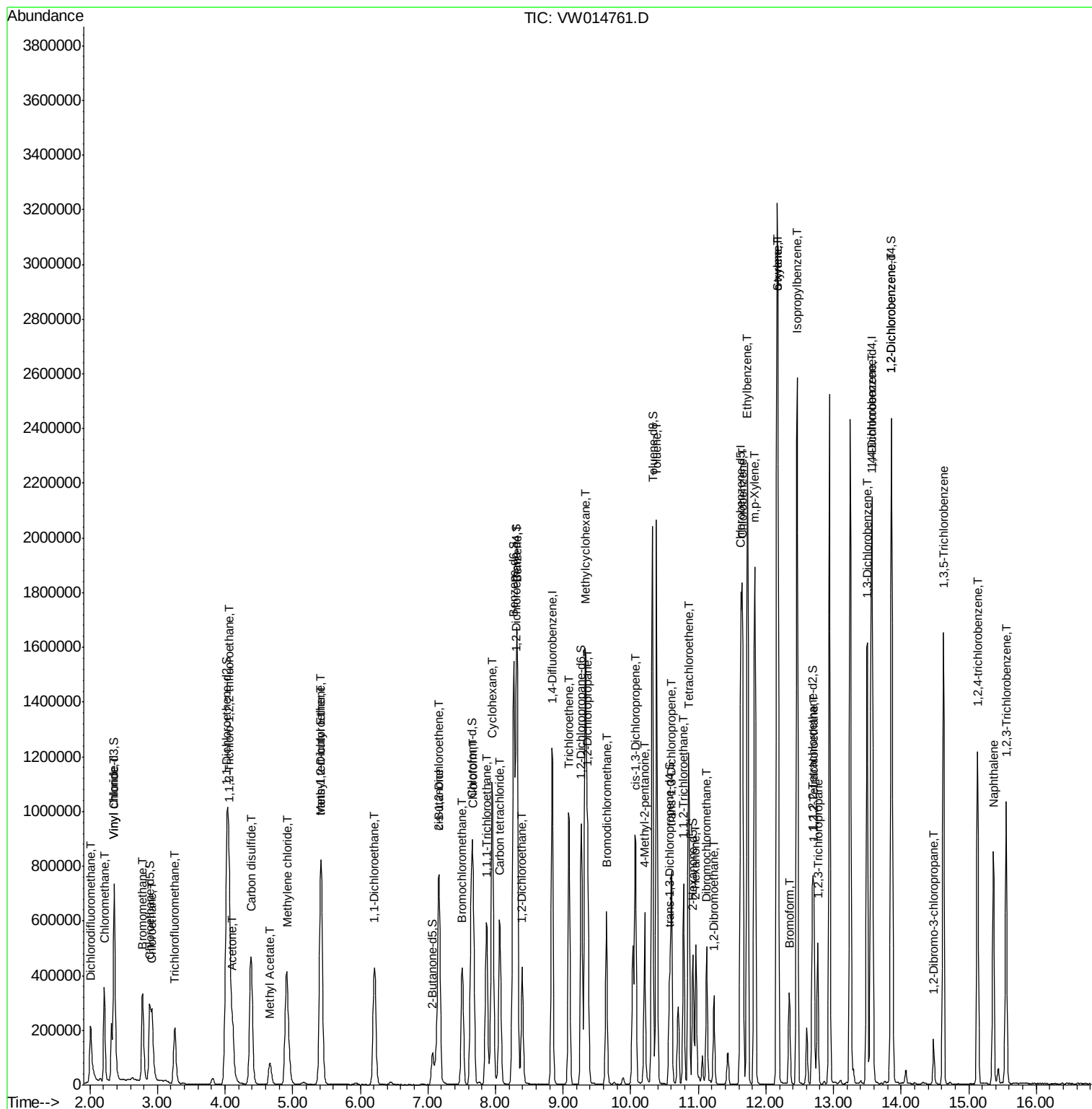
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) trans-1,3-Dichloropropene	10.60	75	427209	25.317	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	234263	23.411	ug/L	99
47) Tetrachloroethene	10.86	164	290015	23.977	ug/L	99
49) 2-Hexanone	10.96	43	334059	53.942	ug/L	98
50) Dibromochloromethane	11.13	129	271093	23.859	ug/L	92
51) 1,2-Dibromoethane	11.23	107	219764	23.266	ug/L	97
52) Chlorobenzene	11.65	112	899979	24.408	ug/L	98
53) Ethylbenzene	11.73	91	1631098	25.433	ug/L	98
54) m,p-Xylene	11.83	106	614160	25.306	ug/L	96
55) o-xylene	12.16	106	581491	25.367	ug/L	100
56) Styrene	12.18	104	990969	25.684	ug/L	99
57) Isopropylbenzene	12.46	105	1628308	26.704	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	296814	24.430	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	221607	24.349	ug/L	99
62) Bromoform	12.35	173	156651	23.145	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	690643	24.085	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	684772	23.683	ug/L	98
65) 1,2-Dichlorobenzene	13.86	146	622406	24.212	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.48	75	41993	22.060	ug/L	98
67) 1,3,5-Trichlorobenzene	14.63	180	524722	24.702	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	405245	25.449	ug/L	99
69) Naphthalene	15.36	128	710950	25.862	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	371488	25.745	ug/L	98

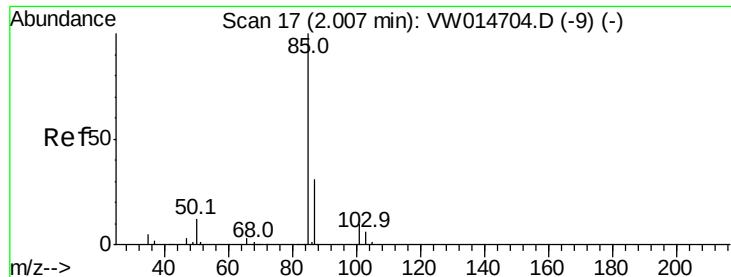
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 36.286 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW014761.D

Acq: 27 Jan 2020 11:33

Instrument :

MSVOA_W

ClientSampled :

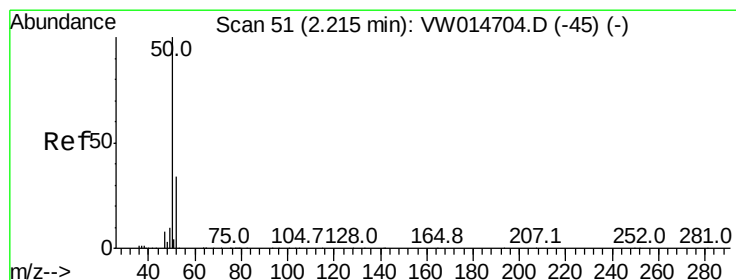
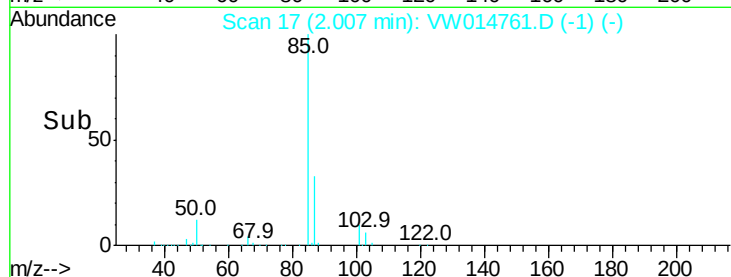
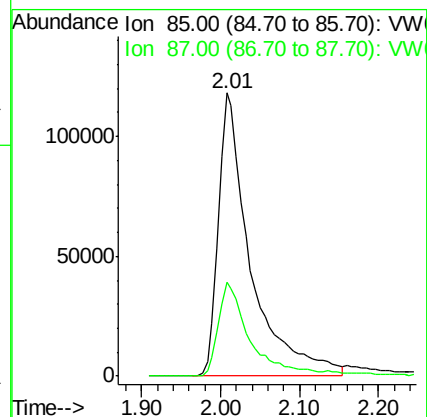
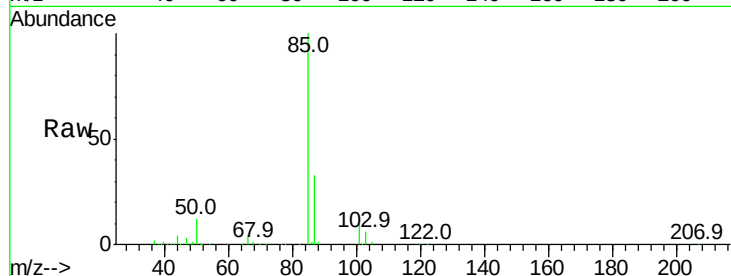
VSTD02505

Tgt Ion: 85 Resp: 336194

Ion Ratio Lower Upper

85 100

87 31.4 21.5 39.9



#3

Chloromethane

Concen: 31.387 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW014761.D

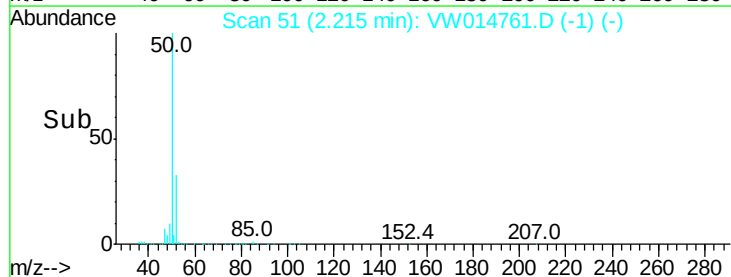
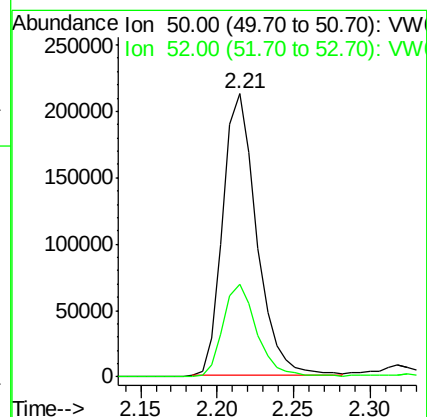
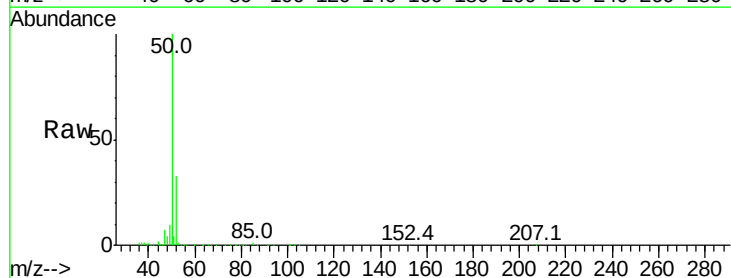
Acq: 27 Jan 2020 11:33

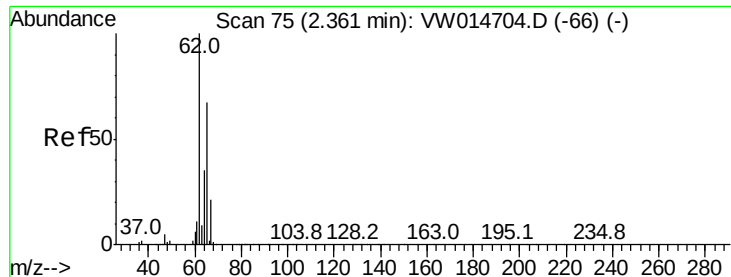
Tgt Ion: 50 Resp: 328762

Ion Ratio Lower Upper

50 100

52 32.7 23.0 42.8





#5

Vinyl chloride

Concen: 32.892 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW014761.D

Acq: 27 Jan 2020 11:33

Instrument :

MSVOA_W

ClientSampleId :

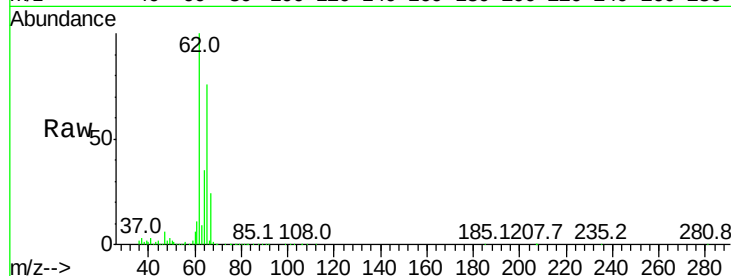
VSTD02505

Tgt Ion: 62 Resp: 490218

Ion Ratio Lower Upper

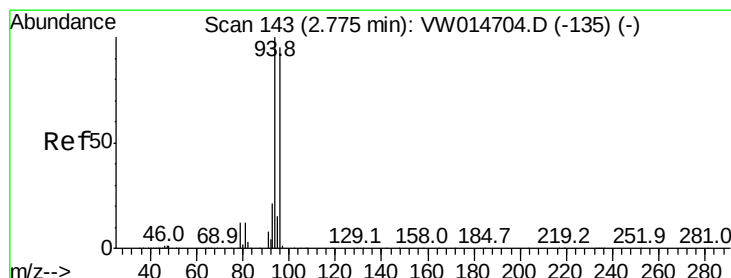
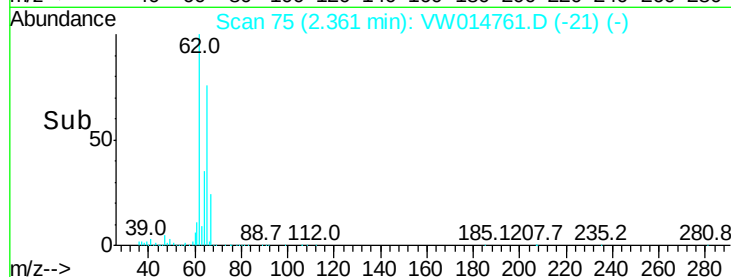
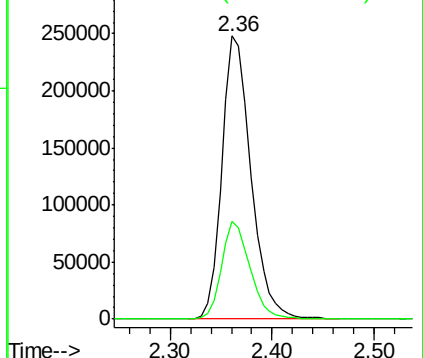
62 100

64 34.7 24.1 44.8



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW



#6

Bromomethane

Concen: 29.943 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW014761.D

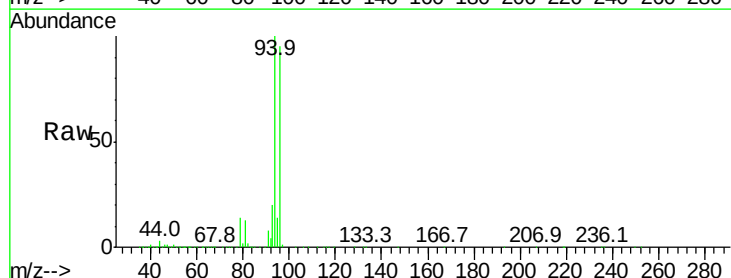
Acq: 27 Jan 2020 11:33

Tgt Ion: 94 Resp: 260590

Ion Ratio Lower Upper

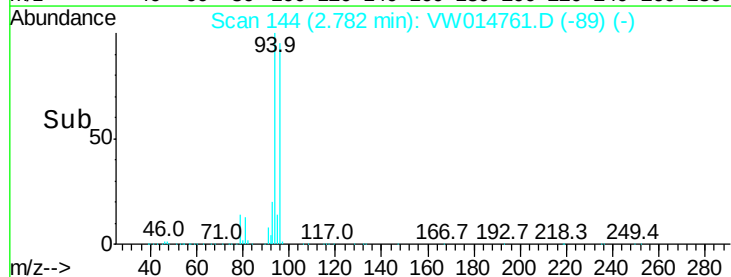
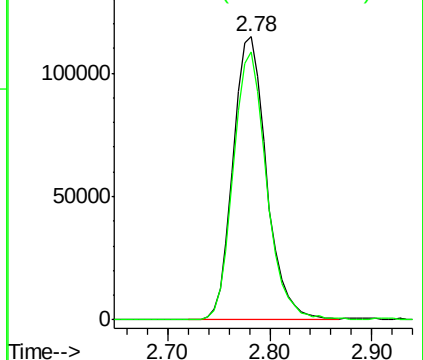
94 100

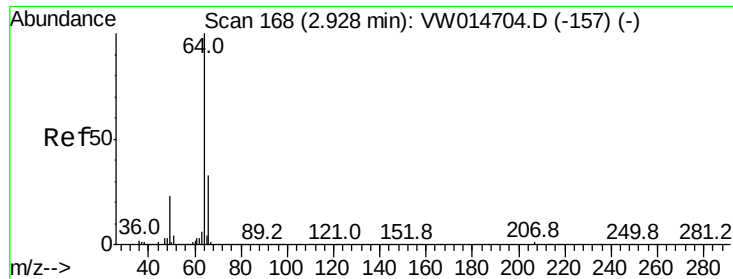
96 93.5 9.4 178.8



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW

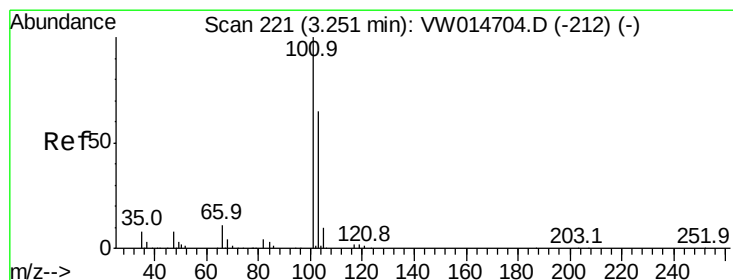
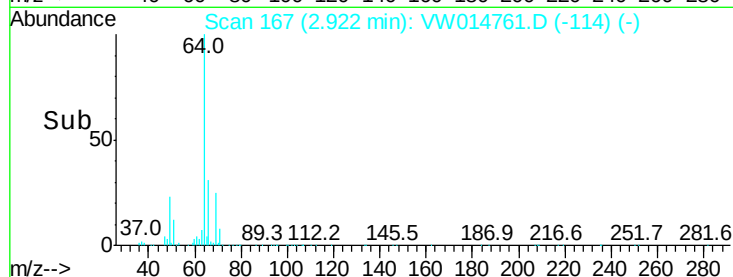
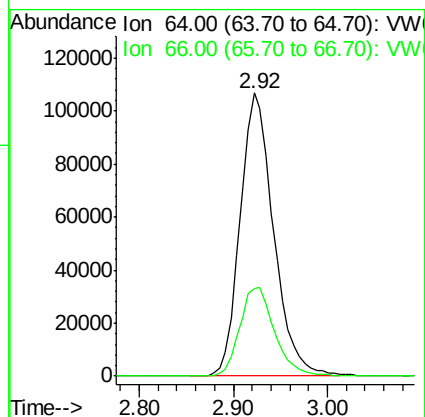
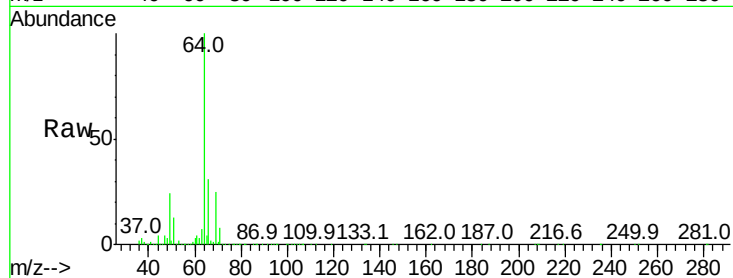




#8
Chloroethane
Concen: 31.573 ug/L
RT: 2.92 min Scan# 167
Delta R.T. -0.01 min
Lab File: VW014761.D
Acq: 27 Jan 2020 11:33

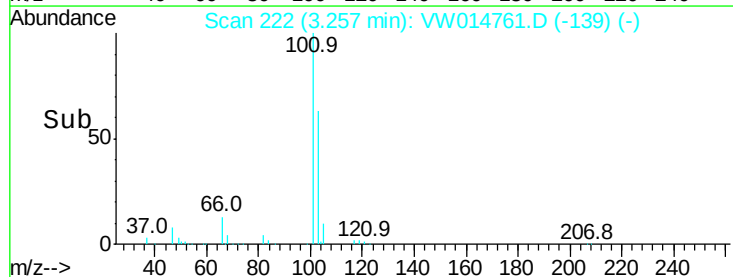
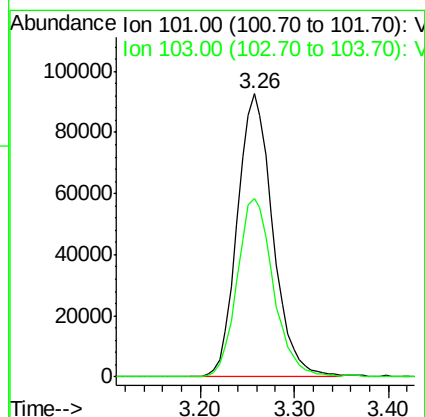
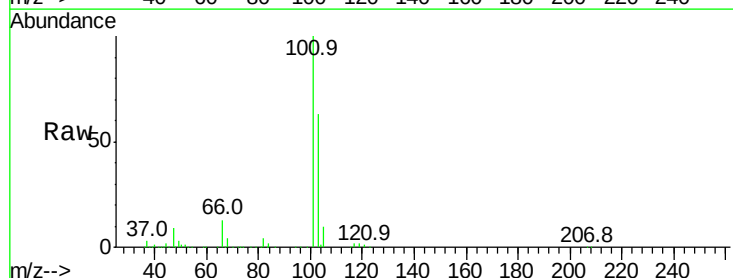
Instrument :
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ClientSampleId :
VSTD02505

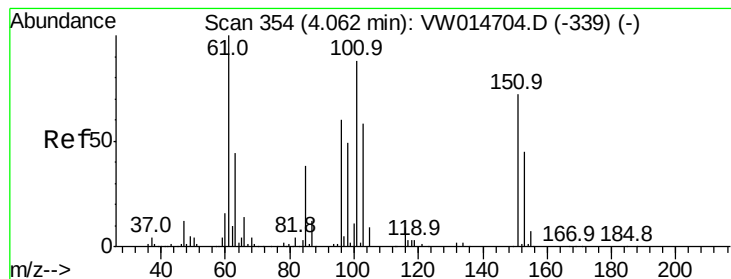
Tgt Ion: 64 Resp: 263131
Ion Ratio Lower Upper
64 100
66 31.1 22.5 41.7



#9
Trichlorofluoromethane
Concen: 30.913 ug/L
RT: 3.26 min Scan# 222
Delta R.T. 0.01 min
Lab File: VW014761.D
Acq: 27 Jan 2020 11:33

Tgt Ion: 101 Resp: 243694
Ion Ratio Lower Upper
101 100
103 64.5 45.5 84.5





#11

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

Concen: 25.655 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW014761.D

Acq: 27 Jan 2020 11:33

Instrument :

MSVOA_W

ClientSampleId :

VSTD02505

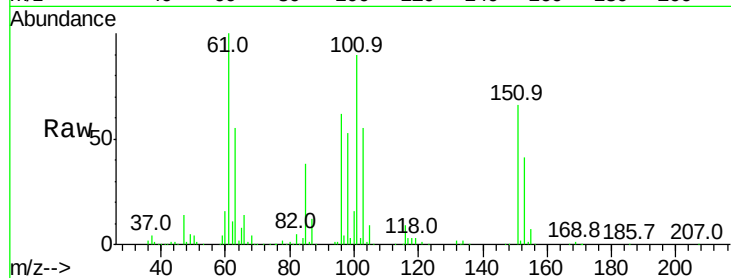
Tgt Ion:101 Resp: 347186

Ion Ratio Lower Upper

101 100

85 42.2 33.3 49.9

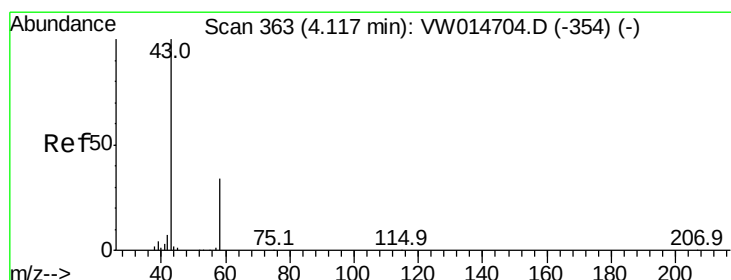
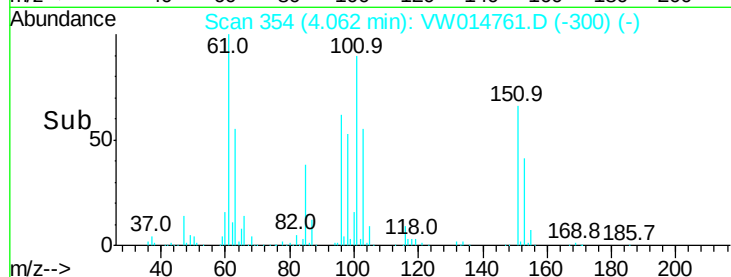
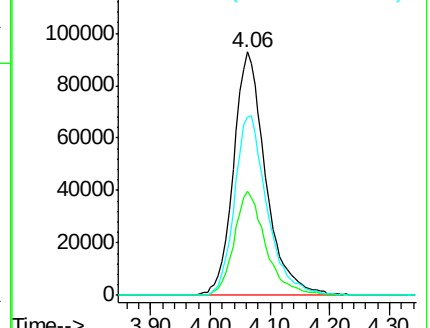
151 74.6 62.5 93.7



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



#13

Acetone

Concen: 43.066 ug/L

RT: 4.11 min Scan# 362

Delta R.T. -0.01 min

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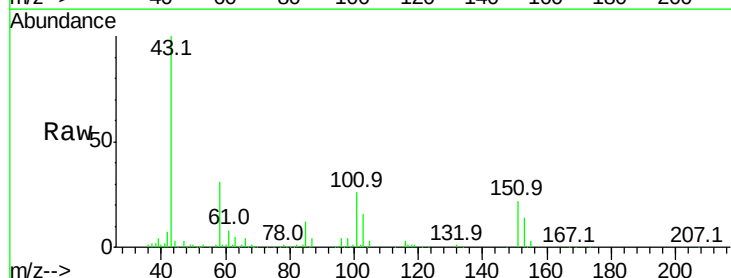
Acq: 27 Jan 2020 11:33

Tgt Ion: 43 Resp: 207155

Ion Ratio Lower Upper

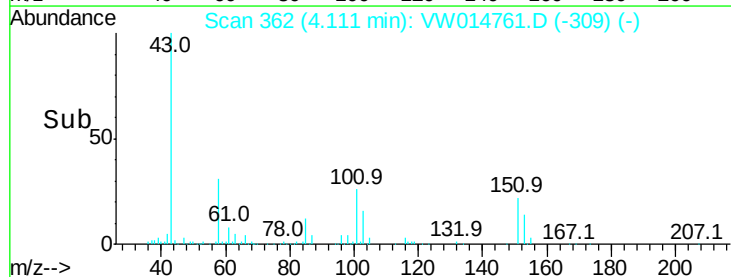
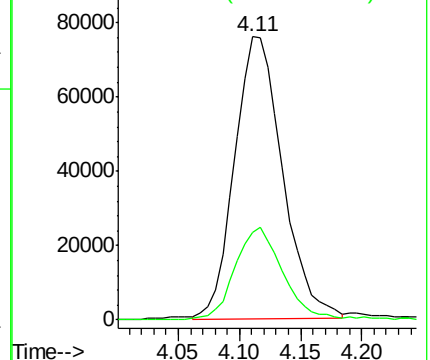
43 100

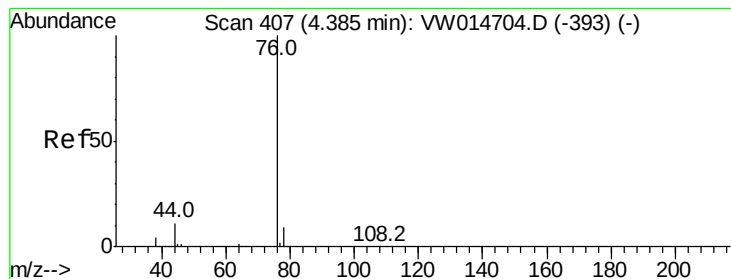
58 32.3 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#14

Carbon disulfide

Concen: 27.358 ug/L

RT: 4.38 min Scan# 407

Delta R.T. 0.00 min

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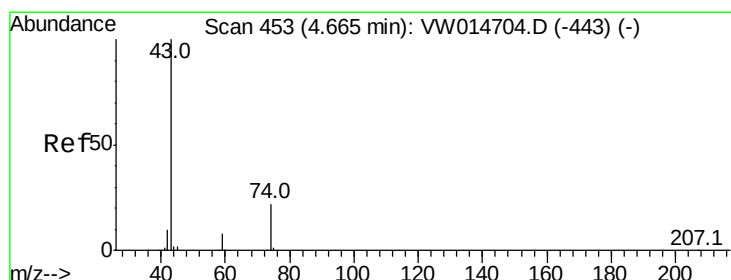
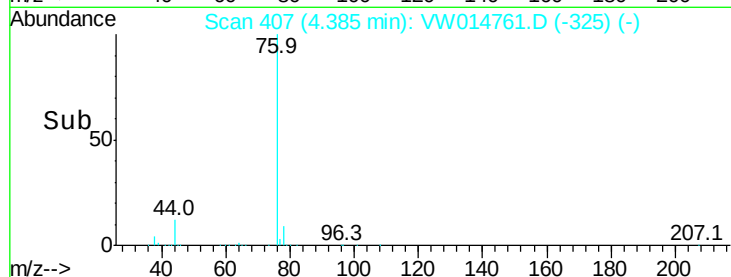
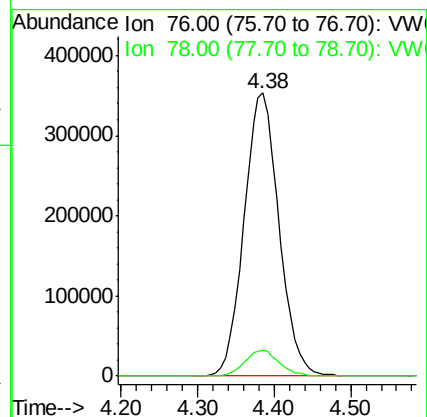
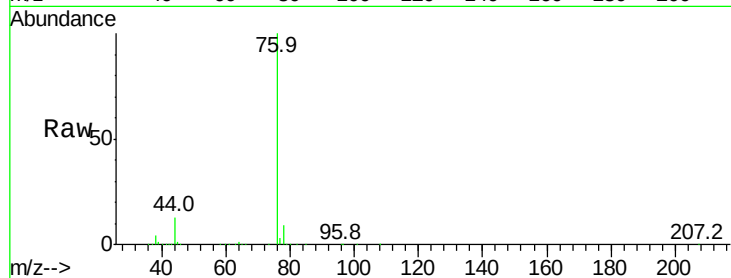
VSTD02505

Tgt Ion: 76 Resp: 1119344

Ion Ratio Lower Upper

76 100

78 9.1 6.9 10.3



#15

Methyl Acetate

Concen: 24.248 ug/L

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW014761.D

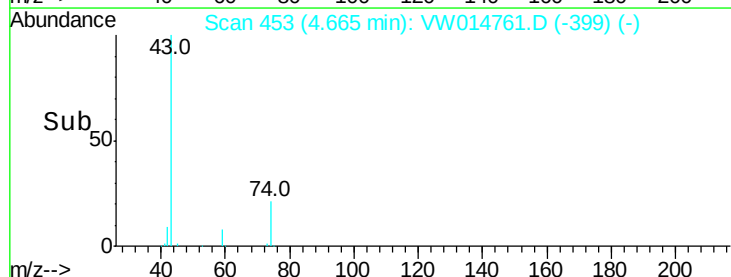
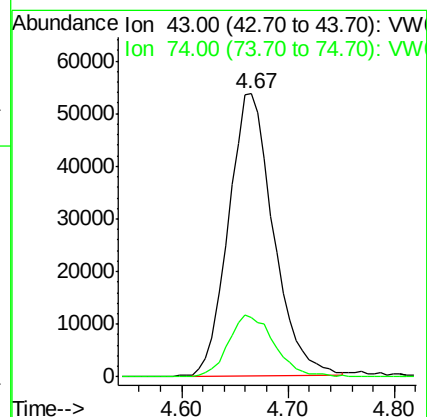
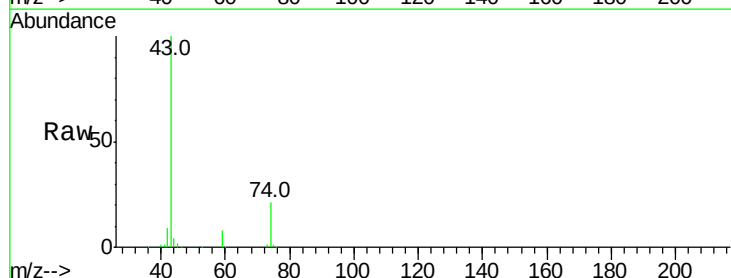
Acq: 27 Jan 2020 11:33

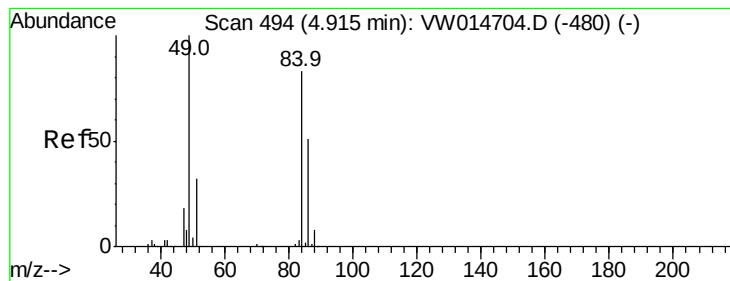
Tgt Ion: 43 Resp: 157387

Ion Ratio Lower Upper

43 100

74 22.5 18.3 27.5





#16

Methylene chloride

Concen: 21.461 ug/L

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

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ClientSampleId :

VSTD02505

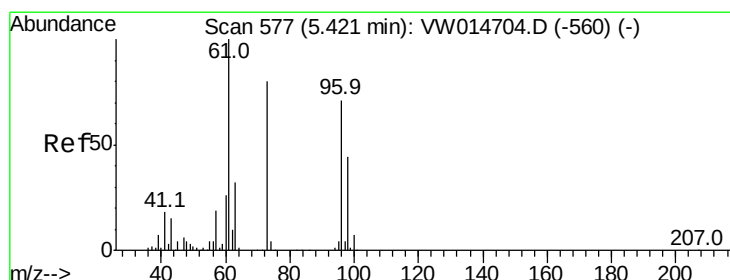
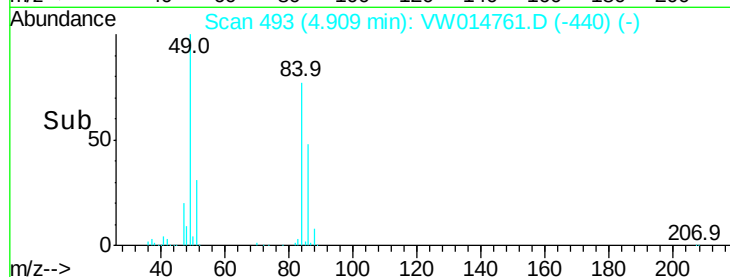
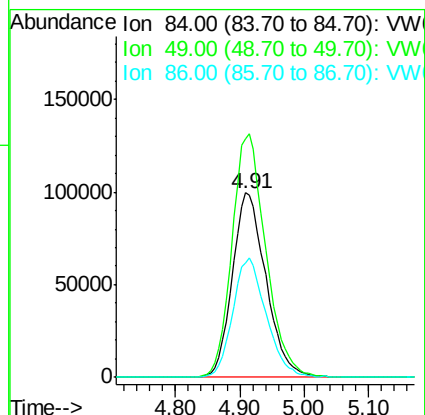
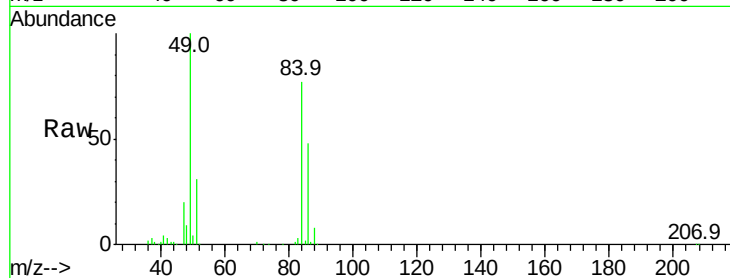
Tgt Ion: 84 Resp: 362436

Ion Ratio Lower Upper

84 100

49 129.8 85.8 159.4

86 62.1 44.5 82.7



#17

Methyl tert-butyl Ether

Concen: 25.053 ug/L

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW014761.D

Acq: 27 Jan 2020 11:33

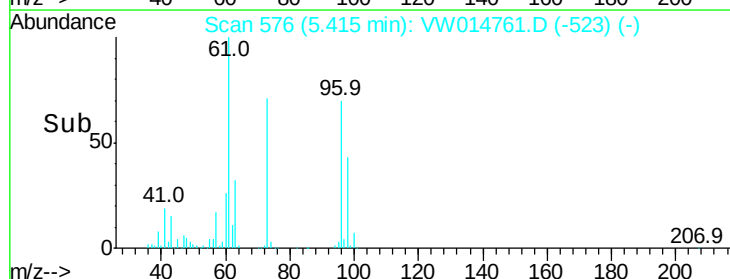
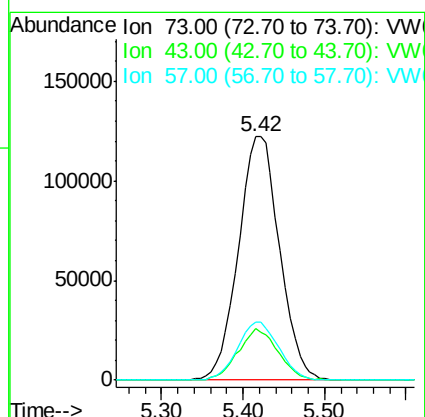
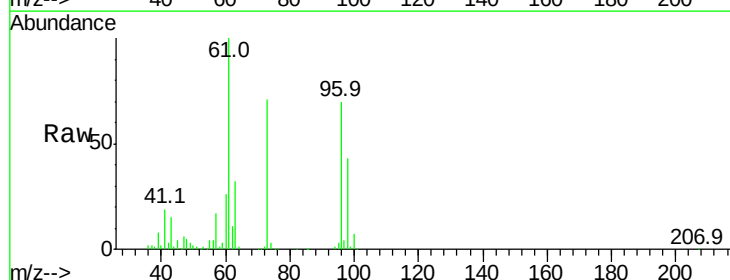
Tgt Ion: 73 Resp: 427342

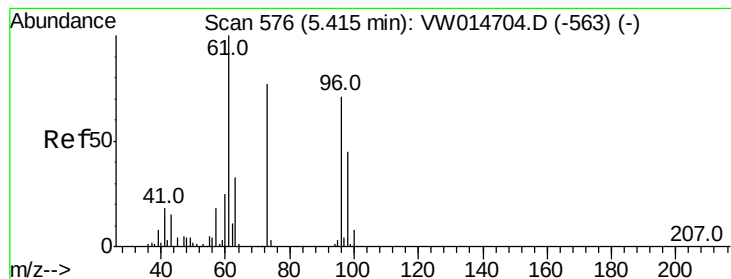
Ion Ratio Lower Upper

73 100

43 20.3 15.7 23.5

57 23.9 18.3 27.5





#18

trans-1,2-Dichloroethene

Concen: 25.152 ug/L

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW014761.D

Acq: 27 Jan 2020 11:33

Instrument :

MSVOA_W

ClientSampleId :

VSTD02505

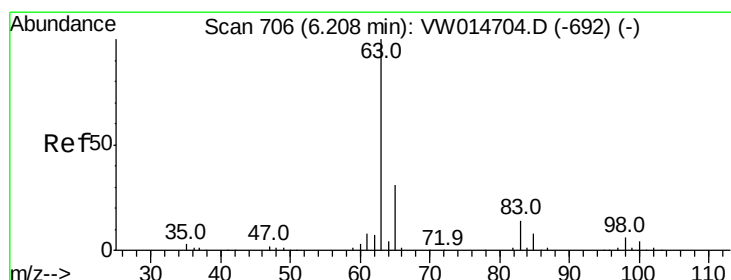
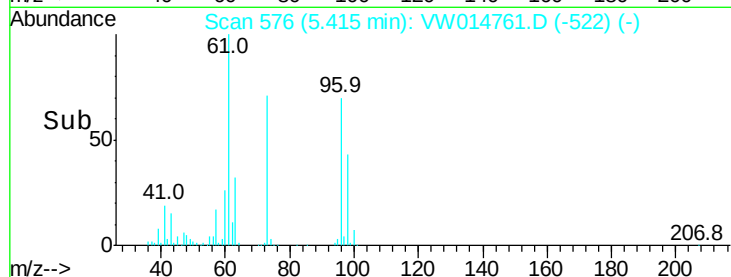
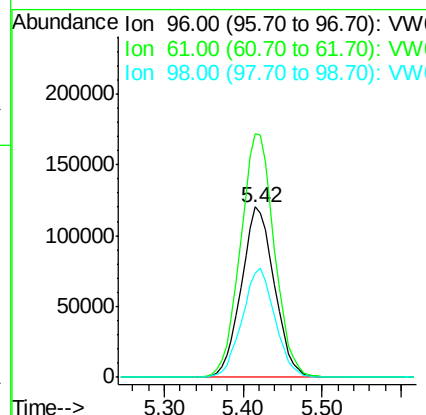
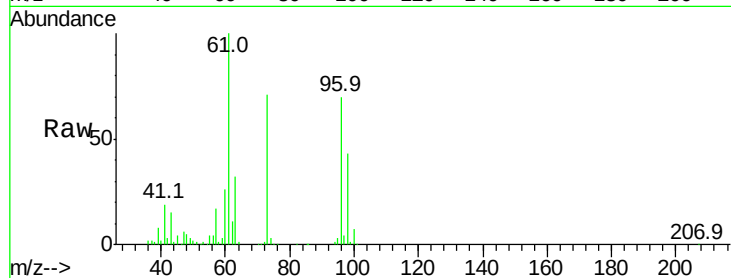
Tgt Ion: 96 Resp: 351116

Ion Ratio Lower Upper

96 100

61 143.1 98.2 182.4

98 61.6 44.1 81.9



#19

1,1-Dichloroethane

Concen: 25.700 ug/L

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW014761.D

Acq: 27 Jan 2020 11:33

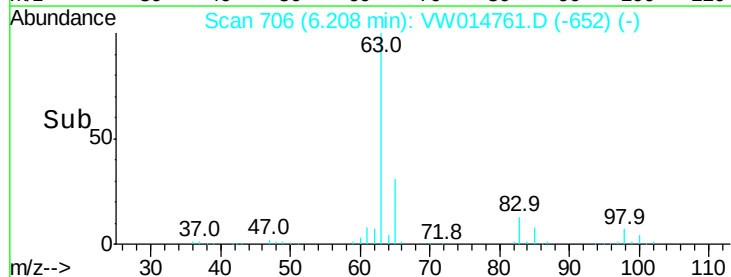
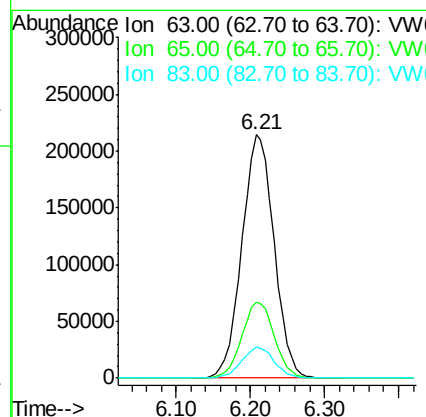
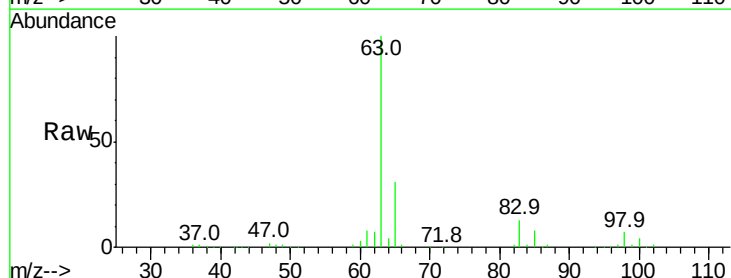
Tgt Ion: 63 Resp: 648541

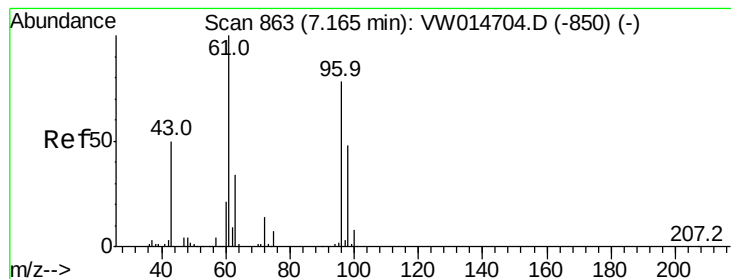
Ion Ratio Lower Upper

63 100

65 31.0 21.7 40.3

83 12.6 9.0 16.8





#21

2-Butanone

Concen: 47.922 ug/L

RT: 7.16 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW014761.D

Acq: 27 Jan 2020 11:33

Instrument :

MSVOA_W

ClientSampleId :

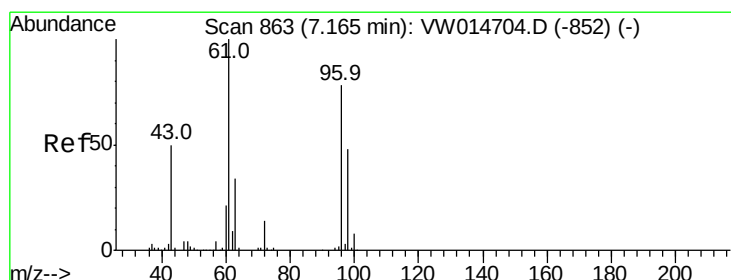
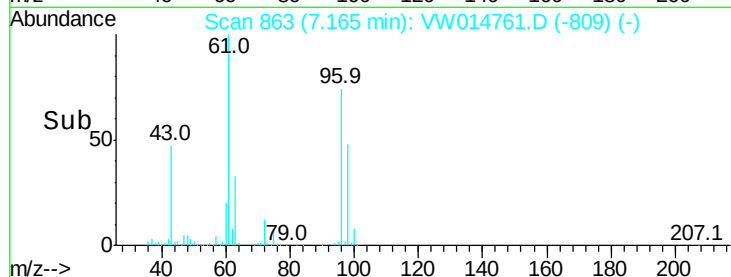
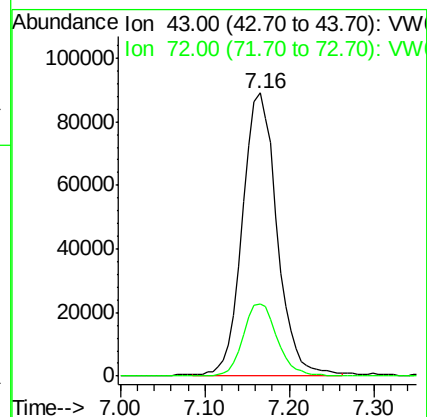
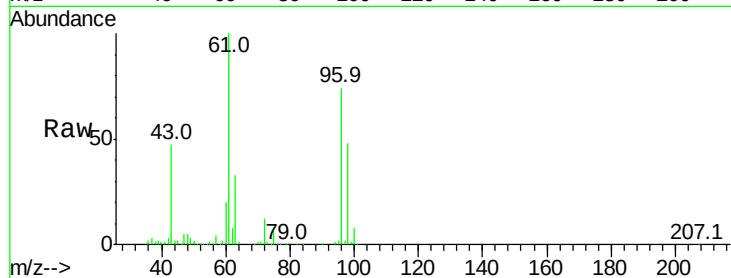
VSTD02505

Tgt Ion: 43 Resp: 247315

Ion Ratio Lower Upper

43 100

72 25.1 13.3 39.8



#22

cis-1,2-Dichloroethene

Concen: 25.110 ug/L

RT: 7.16 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW014761.D

Acq: 27 Jan 2020 11:33

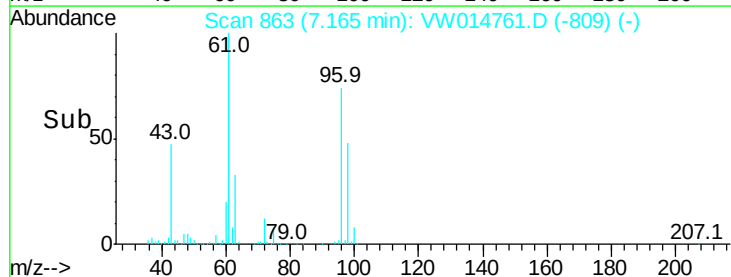
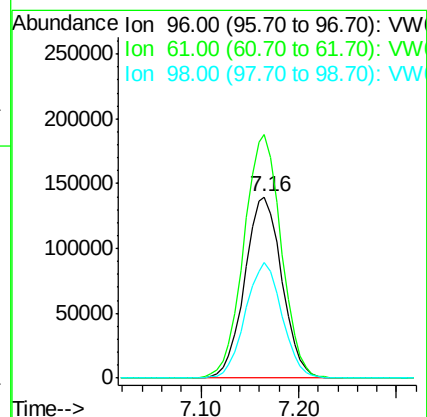
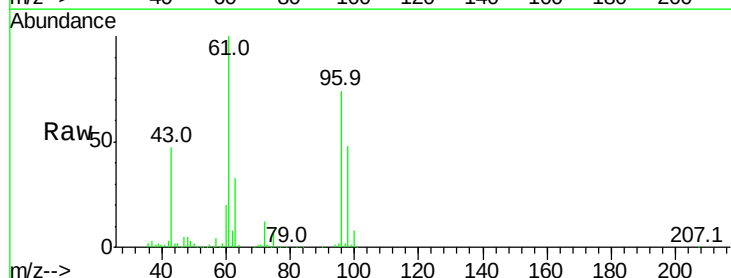
Tgt Ion: 96 Resp: 368969

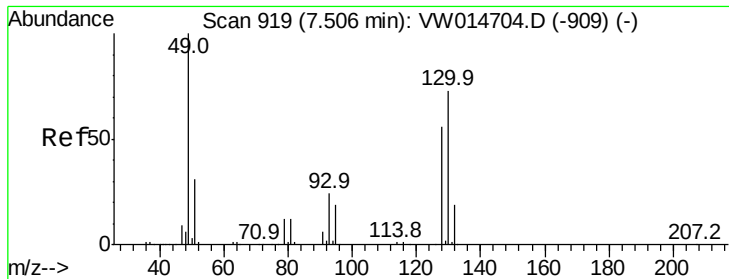
Ion Ratio Lower Upper

96 100

61 134.4 91.5 169.9

98 64.1 46.9 87.1





#23

Bromochloromethane

Concen: 24.048 ug/L

RT: 7.51 min Scan# 920

Delta R.T. 0.01 min

Lab File: VW014761.D

Acq: 27 Jan 2020 11:33

Instrument :

MSVOA_W

ClientSampled :

VSTD02505

Tgt Ion:128 Resp: 152973

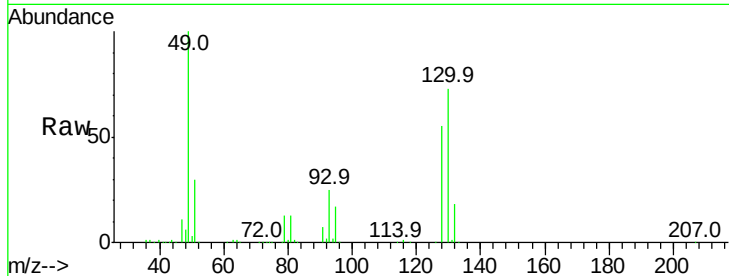
Ion Ratio Lower Upper

128 100

49 182.4 118.3 219.7

130 133.5 89.5 166.1

51 55.1 42.1 63.1

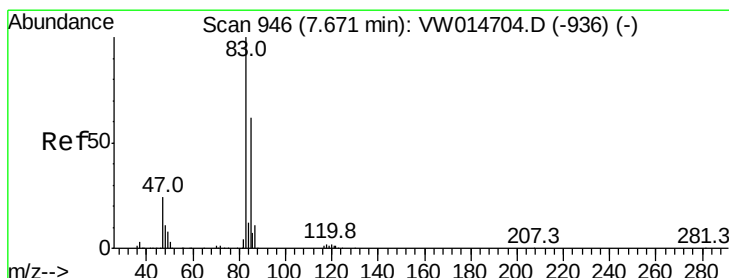
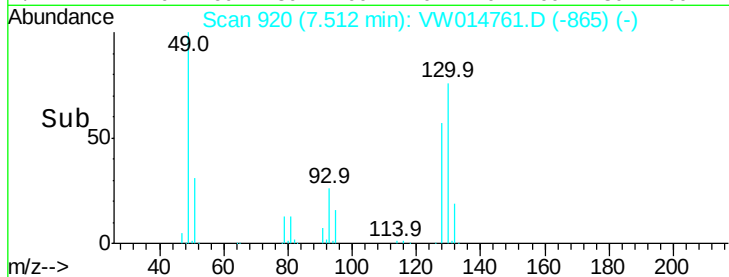
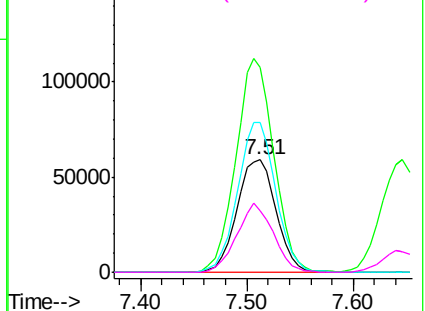


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VW

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VW



#25

Chloroform

Concen: 25.173 ug/L

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW014761.D

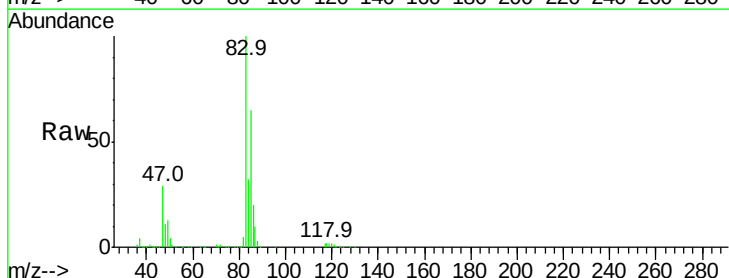
Acq: 27 Jan 2020 11:33

Tgt Ion: 83 Resp: 607586

Ion Ratio Lower Upper

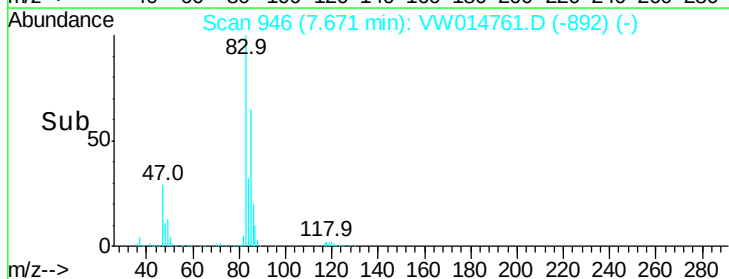
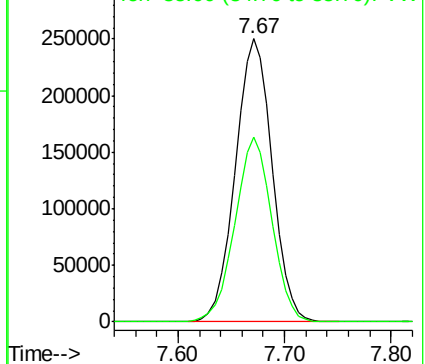
83 100

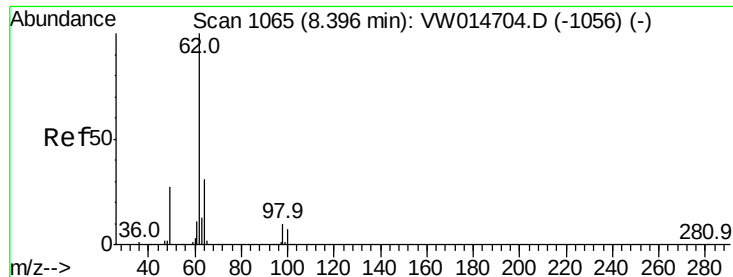
85 65.7 45.8 85.2



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW





#27

1,2-Dichloroethane

Concen: 24.892 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW014761.D

Acq: 27 Jan 2020 11:33

Instrument :

MSVOA_W

ClientSampleId :

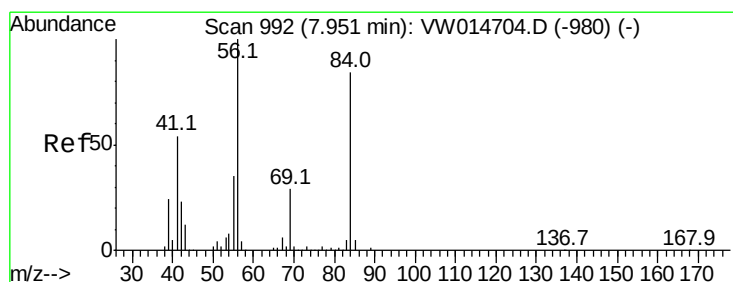
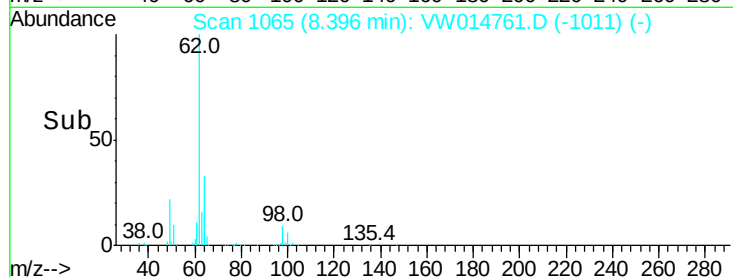
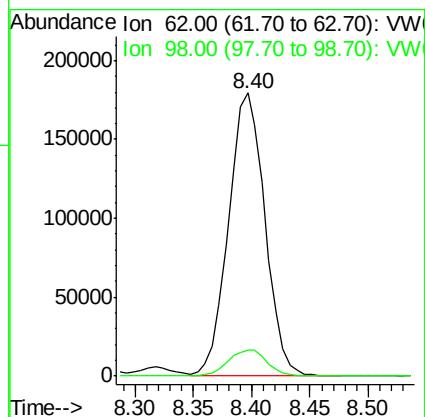
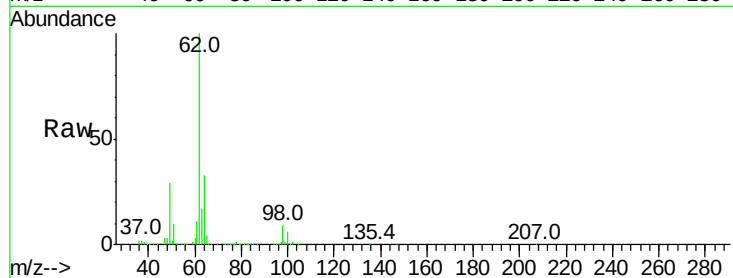
VSTD02505

Tgt Ion: 62 Resp: 390019

Ion Ratio Lower Upper

62 100

98 9.4 8.3 12.5



#30

Cyclohexane

Concen: 27.215 ug/L

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW014761.D

Acq: 27 Jan 2020 11:33

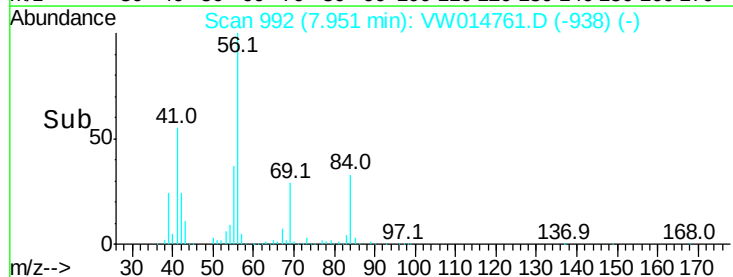
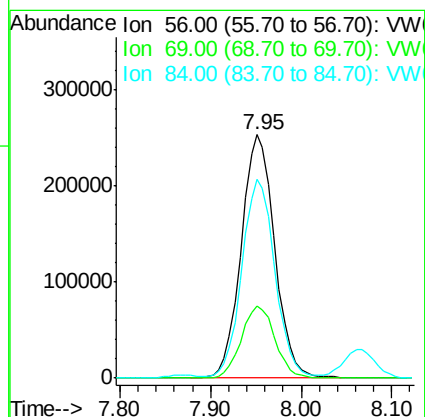
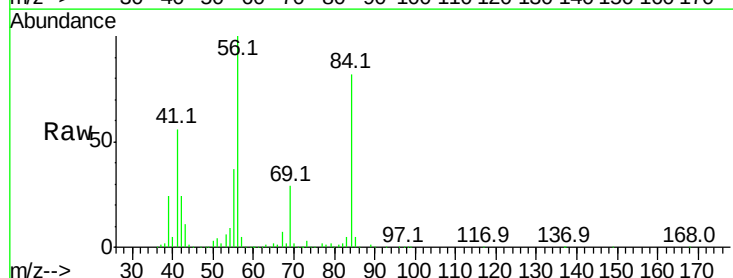
Tgt Ion: 56 Resp: 645687

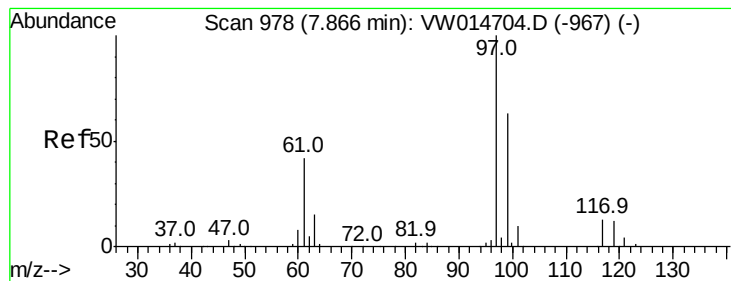
Ion Ratio Lower Upper

56 100

69 29.7 23.8 35.8

84 81.0 68.2 102.2





#31

1,1,1-Trichloroethane

Concen: 25.466 ug/L

RT: 7.87 min Scan# 978

Delta R.T. 0.00 min

Lab File: VW014761.D

Acq: 27 Jan 2020 11:33

Instrument :

MSVOA_W

ClientSampleId :

VSTD02505

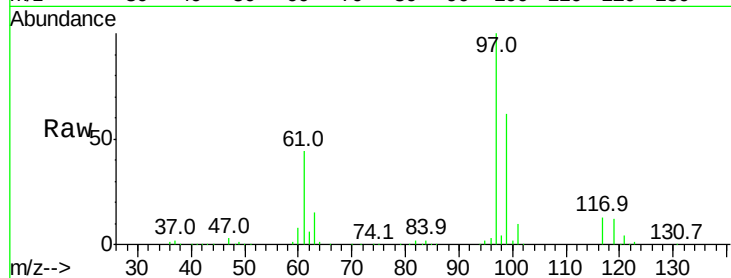
Tgt Ion: 97 Resp: 484520

Ion Ratio Lower Upper

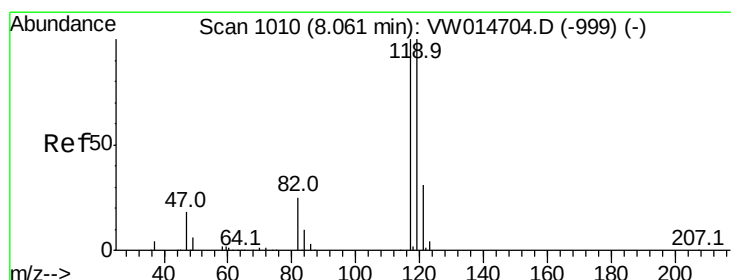
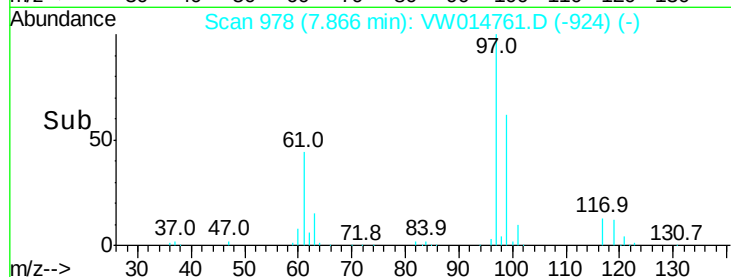
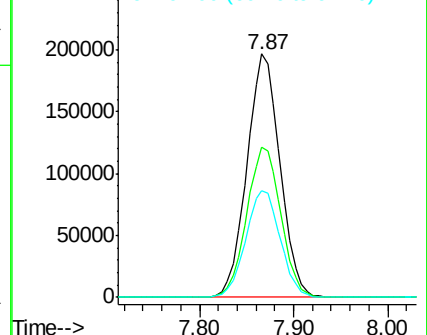
97 100

99 63.6 51.6 77.4

61 45.5 35.3 52.9



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



#32

Carbon tetrachloride

Concen: 25.645 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VW014761.D

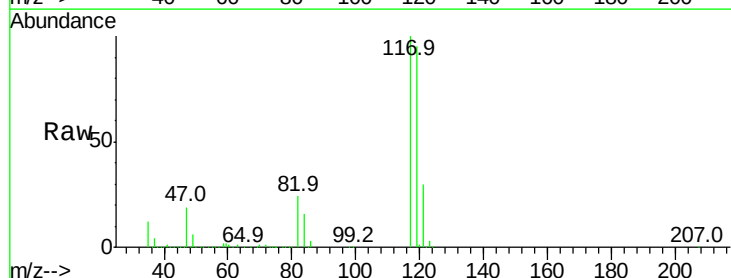
Acq: 27 Jan 2020 11:33

Tgt Ion: 117 Resp: 454598

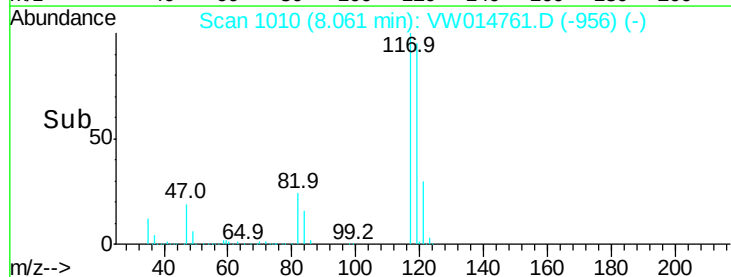
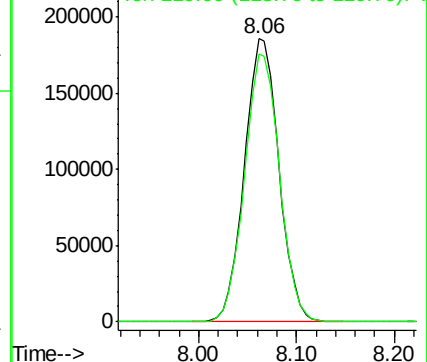
Ion Ratio Lower Upper

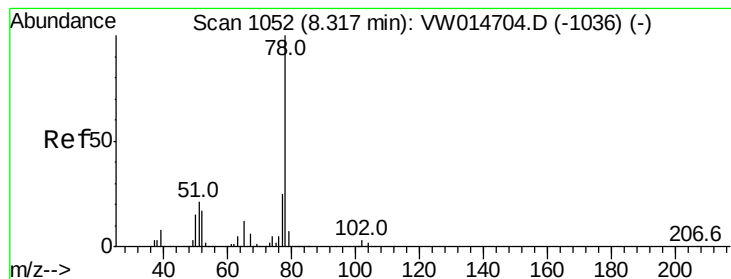
117 100

119 95.8 77.6 116.4



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V





#34

Benzene

Concen: 25.664 ug/L

RT: 8.32 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VW014761.D

Acq: 27 Jan 2020 11:33

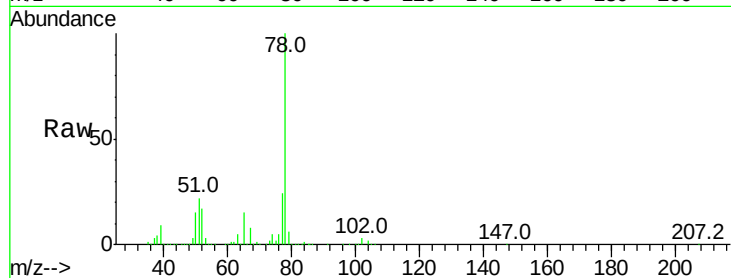
Instrument :

MSVOA_W

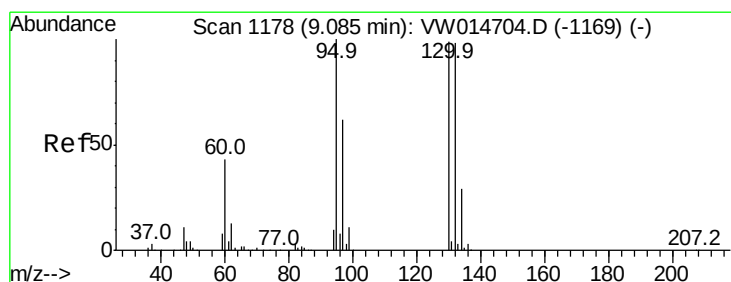
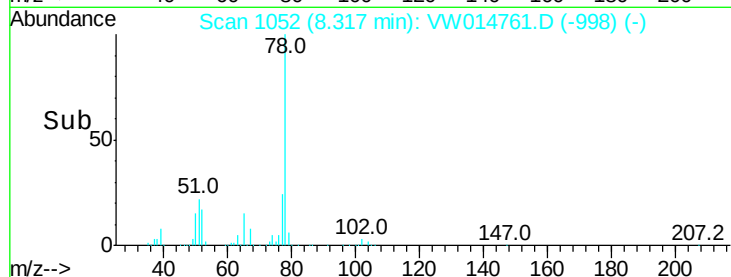
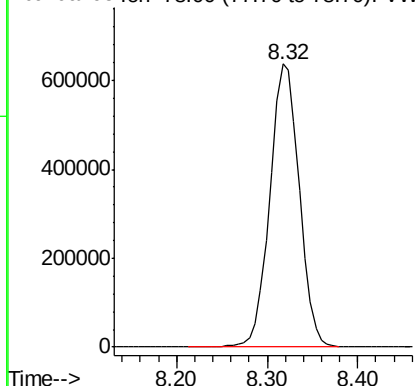
ClientSampleId :

VSTD02505

Tgt Ion: 78 Resp: 1432452



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 25.036 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VW014761.D

Acq: 27 Jan 2020 11:33

Tgt Ion: 95 Resp: 360653

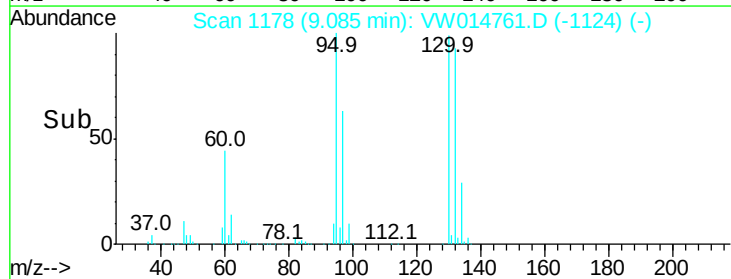
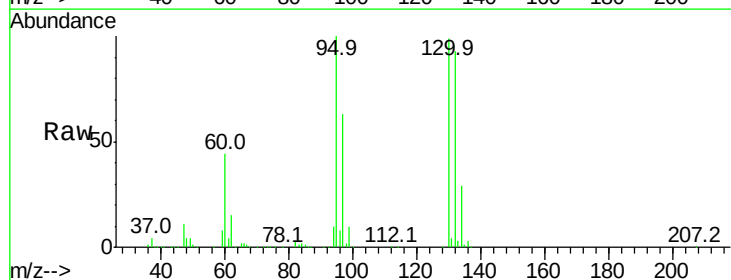
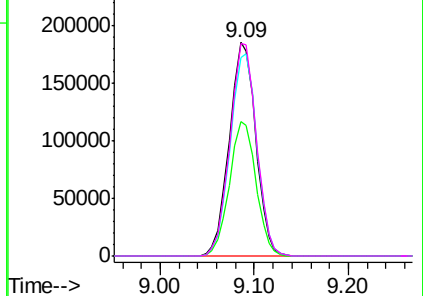
Ion	Ratio	Lower	Upper
95	100		
97	63.3	44.3	82.3
132	95.9	69.2	128.6
130	99.8	72.3	134.3

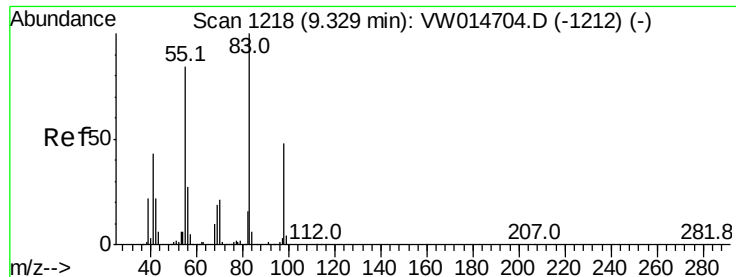
Abundance Ion 95.00 (94.70 to 95.70): VW

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

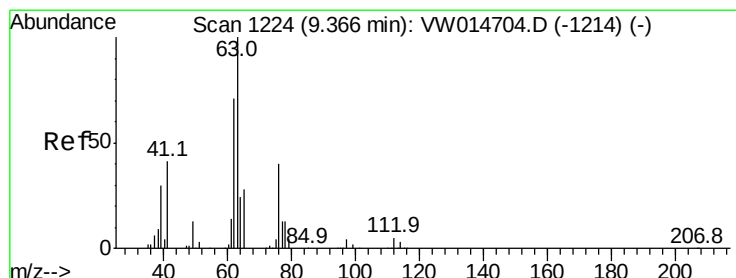
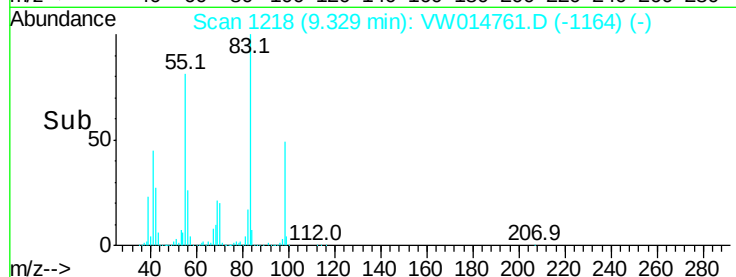
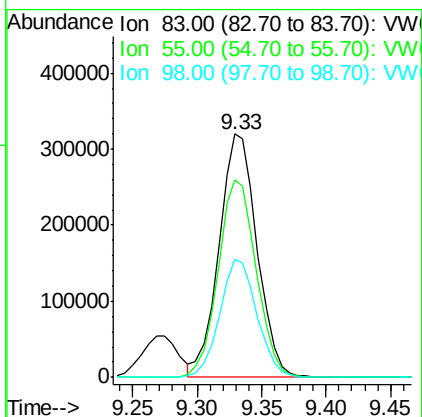
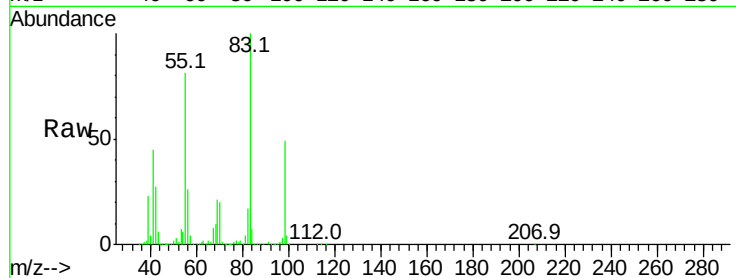




#36
Methylcyclohexane
Concen: 26.024 ug/L
RT: 9.33 min Scan# 1218
Delta R.T. 0.00 min
Lab File: VW014761.D
Acq: 27 Jan 2020 11:33

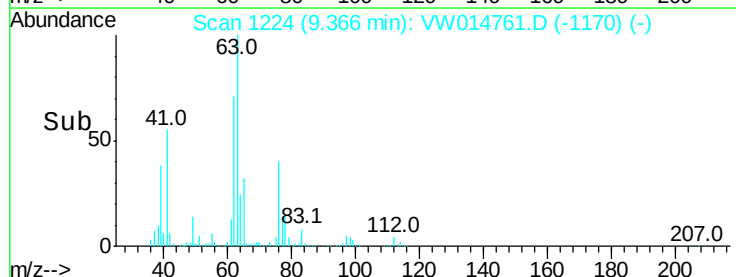
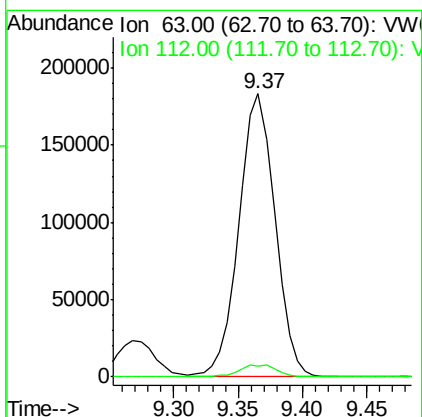
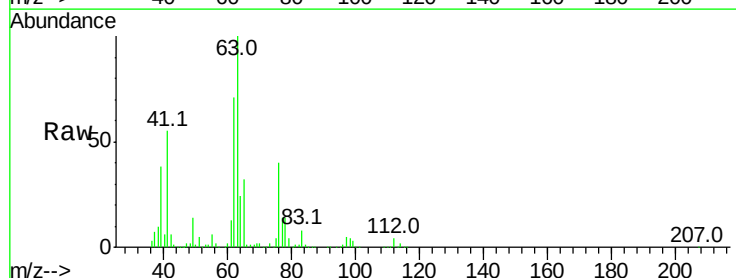
Instrument :
MSVOA_W
ClientSampleId :
VSTD02505

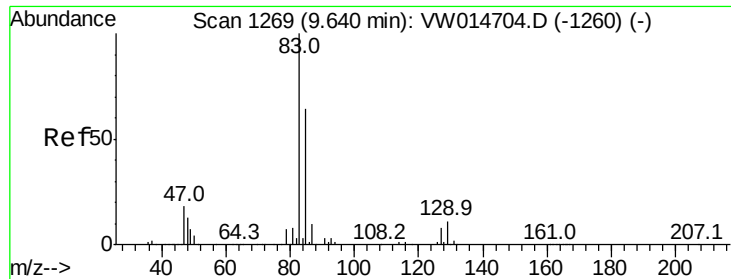
Tgt Ion: 83 Resp: 657676
Ion Ratio Lower Upper
83 100
55 82.0 63.7 95.5
98 47.5 39.4 59.2



#40
1,2-Dichloropropane
Concen: 25.276 ug/L
RT: 9.37 min Scan# 1224
Delta R.T. 0.00 min
Lab File: VW014761.D
Acq: 27 Jan 2020 11:33

Tgt Ion: 63 Resp: 357084
Ion Ratio Lower Upper
63 100
112 4.5 3.7 5.5





#41

Bromodichloromethane

Concen: 24.887 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW014761.D

Acq: 27 Jan 2020 11:33

Instrument :

MSVOA_W

ClientSampled :

VSTD02505

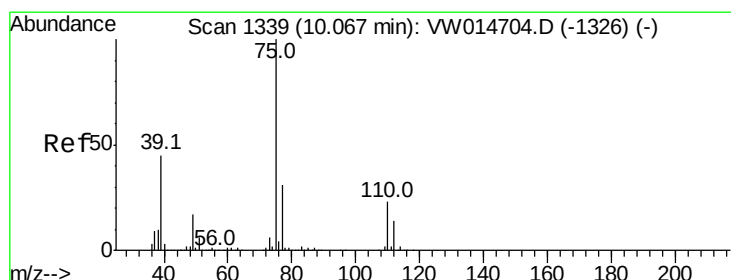
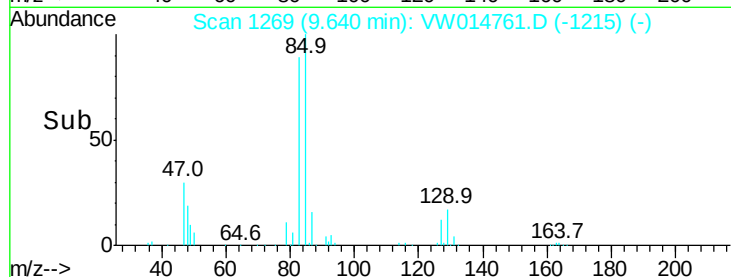
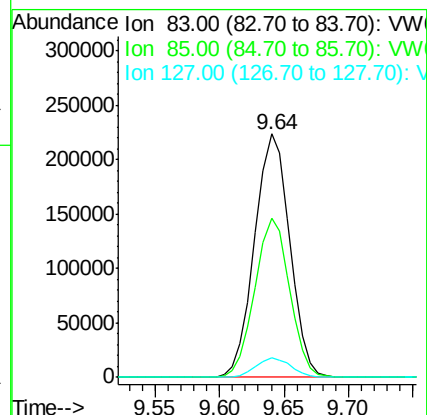
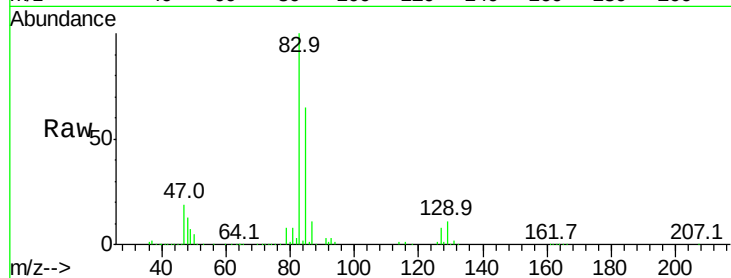
Tgt Ion: 83 Resp: 422897

Ion Ratio Lower Upper

83 100

85 65.3 44.7 83.1

127 8.1 6.3 9.5



#42

cis-1,3-Dichloropropene

Concen: 25.672 ug/L

RT: 10.07 min Scan# 1339

Delta R.T. 0.00 min

Lab File: VW014761.D

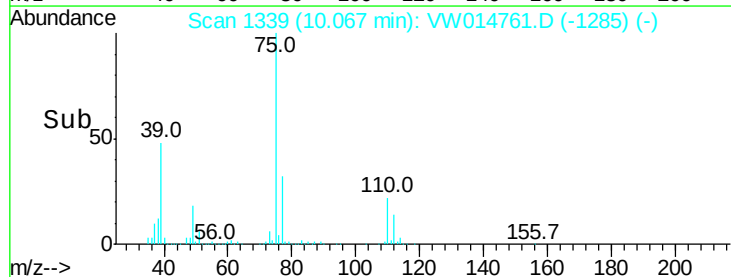
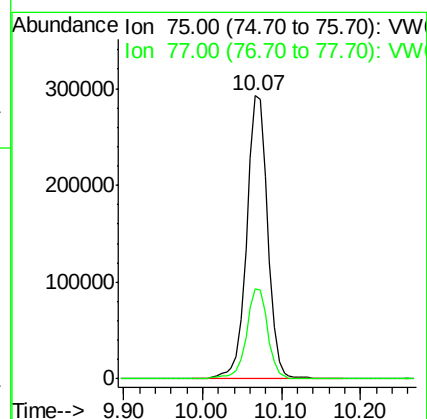
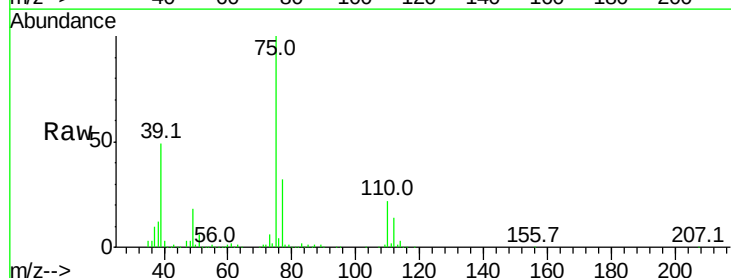
Acq: 27 Jan 2020 11:33

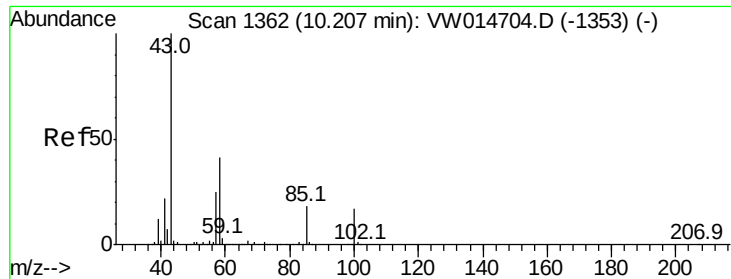
Tgt Ion: 75 Resp: 541767

Ion Ratio Lower Upper

75 100

77 31.8 21.0 39.0

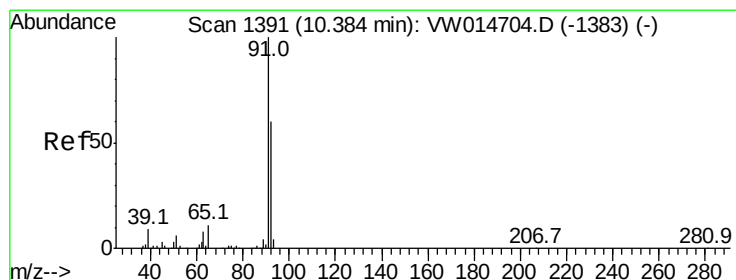
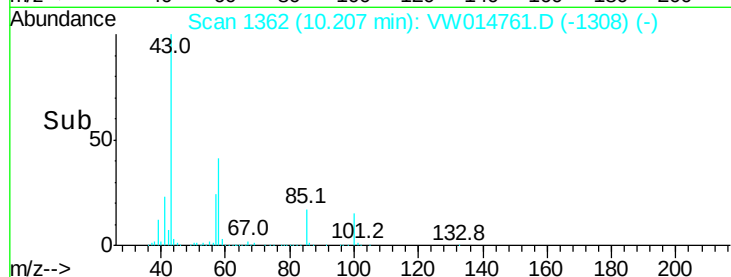
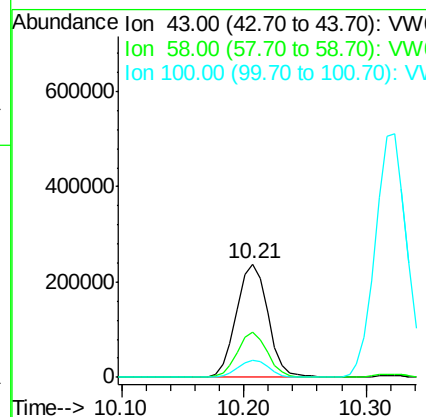
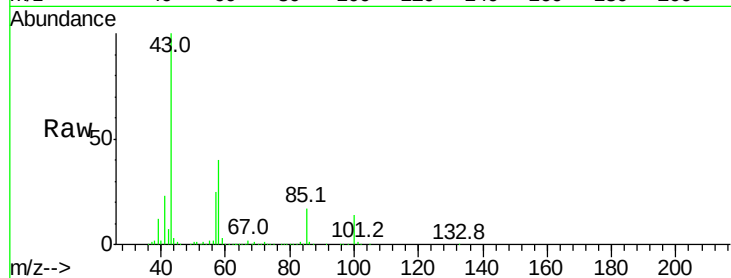




#43
 4-Methyl-2-pentanone
 Concen: 46.650 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW014761.D
 Acq: 27 Jan 2020 11:33

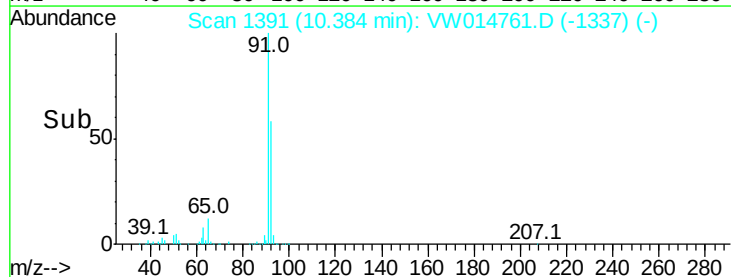
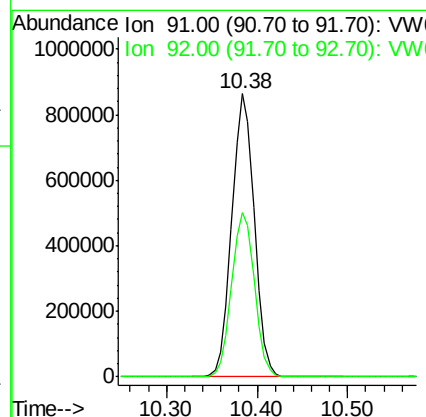
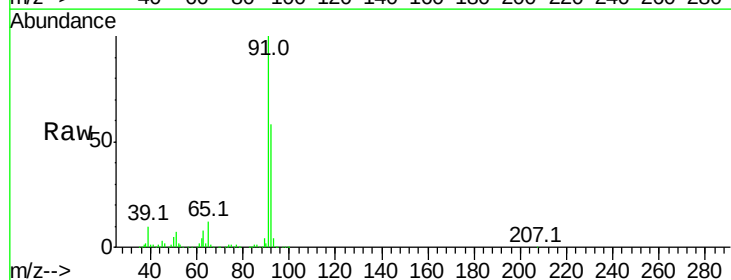
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02505

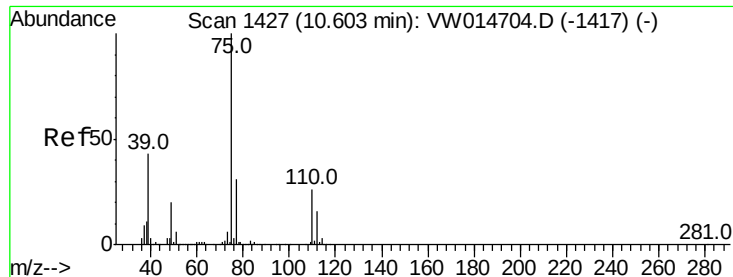
Tgt Ion: 43 Resp: 423068
 Ion Ratio Lower Upper
 43 100
 58 38.6 32.6 48.8
 100 14.7 12.6 19.0



#44
 Toluene
 Concen: 25.457 ug/L
 RT: 10.38 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VW014761.D
 Acq: 27 Jan 2020 11:33

Tgt Ion: 91 Resp: 1484888
 Ion Ratio Lower Upper
 91 100
 92 58.2 40.2 74.6





#45

trans-1,3-Dichloropropene

Concen: 25.317 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW014761.D

Acq: 27 Jan 2020 11:33

Instrument :

MSVOA_W

ClientSampled :

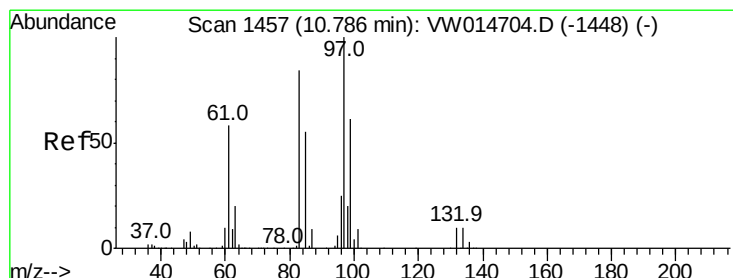
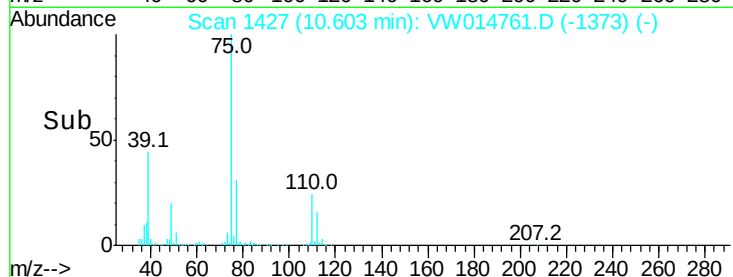
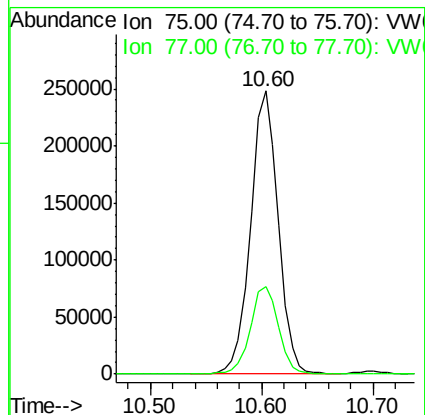
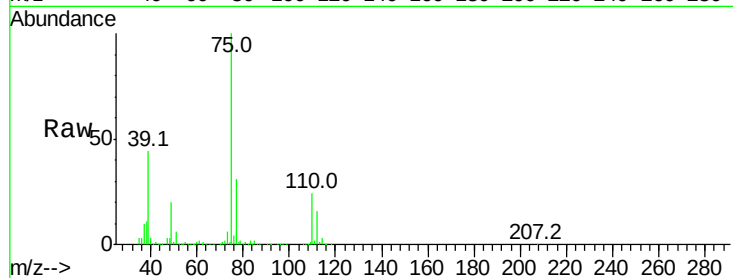
VSTD02505

Tgt Ion: 75 Resp: 427209

Ion Ratio Lower Upper

75 100

77 30.8 21.1 39.3



#46

1,1,2-Trichloroethane

Concen: 23.411 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW014761.D

Acq: 27 Jan 2020 11:33

Tgt Ion: 97 Resp: 234263

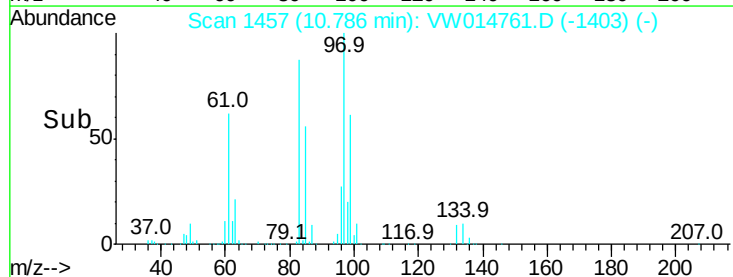
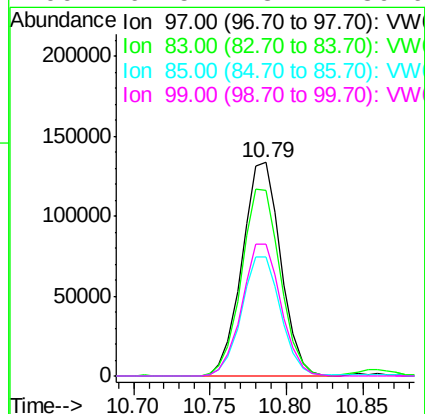
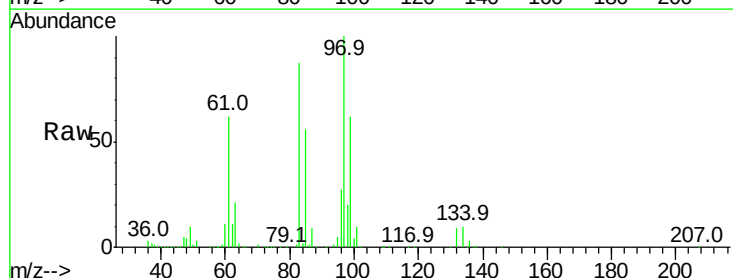
Ion Ratio Lower Upper

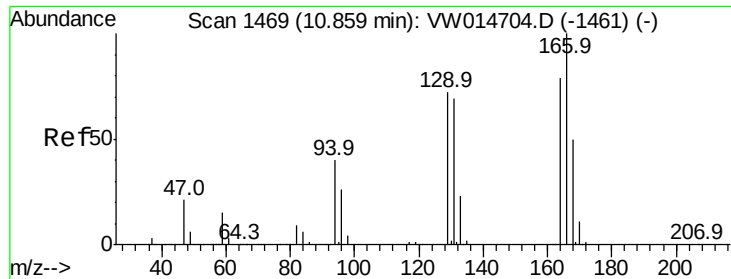
97 100

83 87.0 60.1 111.5

85 56.0 38.1 70.9

99 61.5 43.4 80.6

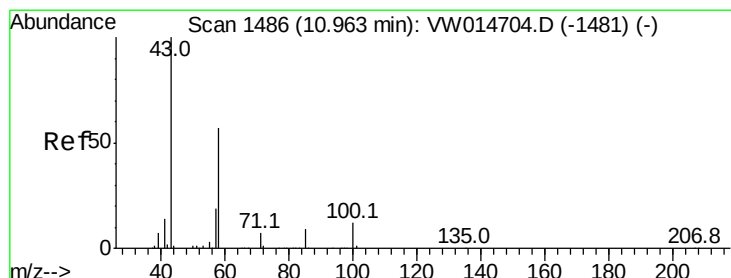
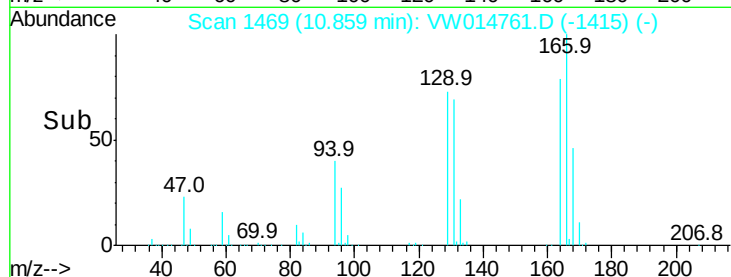
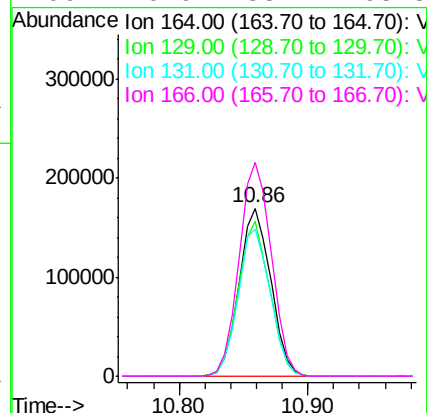
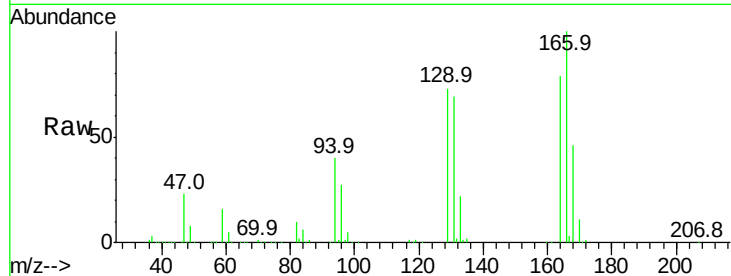




#47
Tetrachloroethene
Concen: 23.977 ug/L
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW014761.D
Acq: 27 Jan 2020 11:33

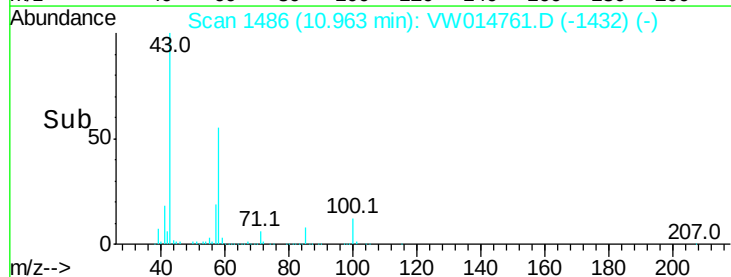
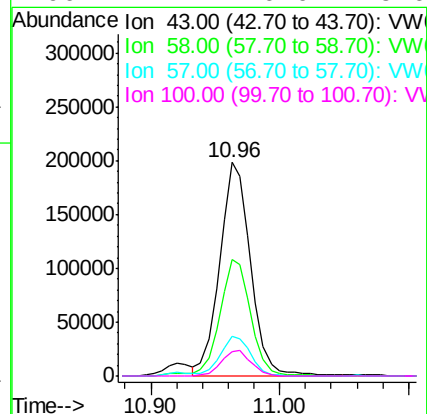
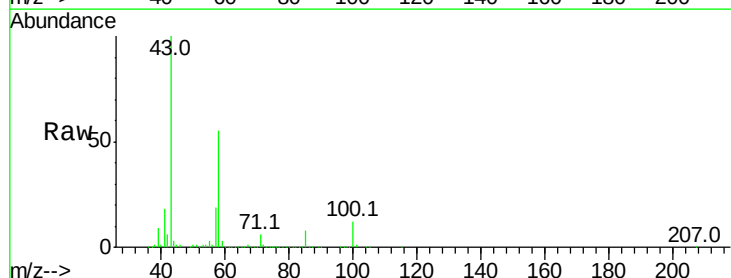
Instrument :
MSVOA_W
ClientSampleId :
VSTD02505

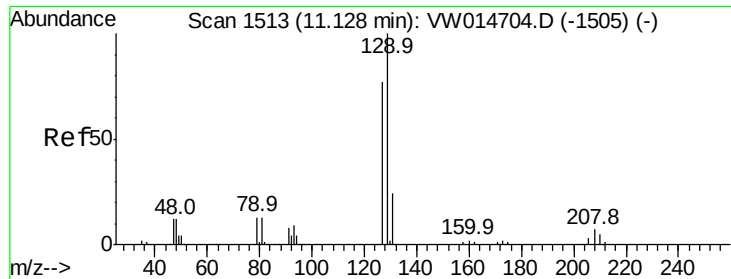
Tgt Ion:164 Resp: 290015
Ion Ratio Lower Upper
164 100
129 92.0 64.0 118.8
131 87.4 60.2 111.8
166 126.9 88.2 163.8



#49
2-Hexanone
Concen: 53.942 ug/L
RT: 10.96 min Scan# 1486
Delta R.T. 0.00 min
Lab File: VW014761.D
Acq: 27 Jan 2020 11:33

Tgt Ion: 43 Resp: 334059
Ion Ratio Lower Upper
43 100
58 54.0 44.9 67.3
57 18.4 15.3 22.9
100 11.7 10.0 15.0





#50

Dibromochloromethane

Concen: 23.859 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW014761.D

Acq: 27 Jan 2020 11:33

Instrument :

MSVOA_W

ClientSampleId :

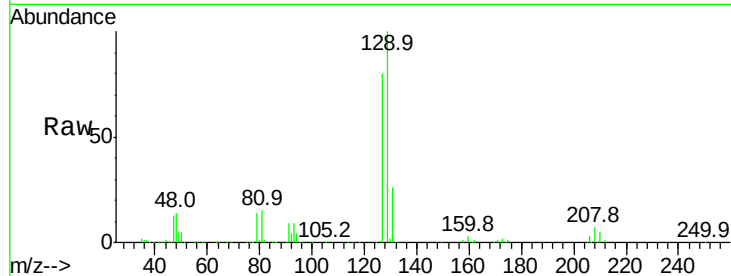
VSTD02505

Tgt Ion:129 Resp: 271093

Ion Ratio Lower Upper

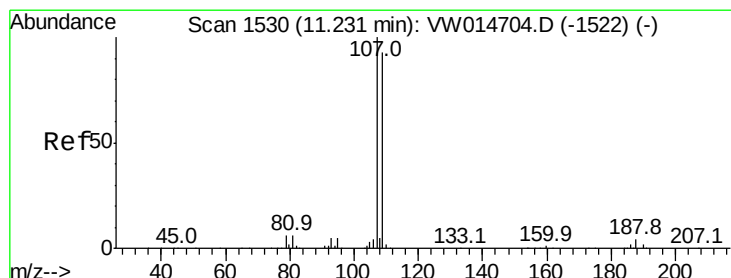
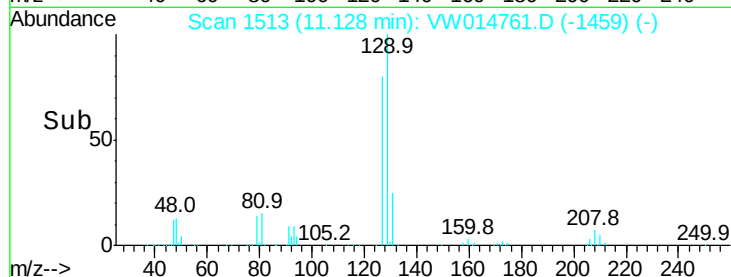
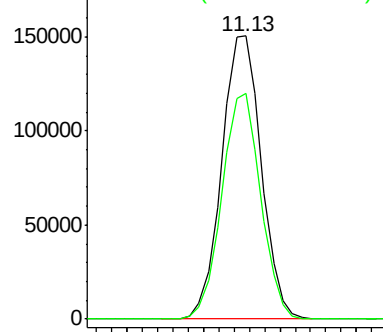
129 100

127 79.6 51.1 94.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#51

1,2-Dibromoethane

Concen: 23.266 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW014761.D

Acq: 27 Jan 2020 11:33

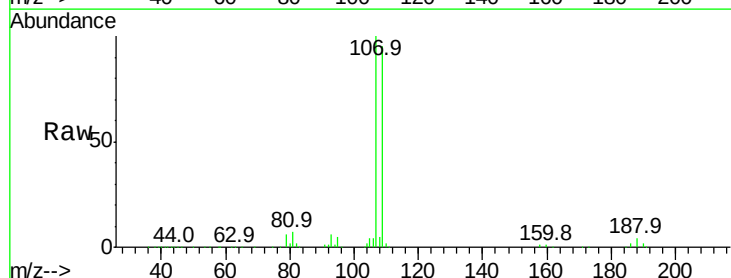
Tgt Ion:107 Resp: 219764

Ion Ratio Lower Upper

107 100

109 95.2 64.7 120.1

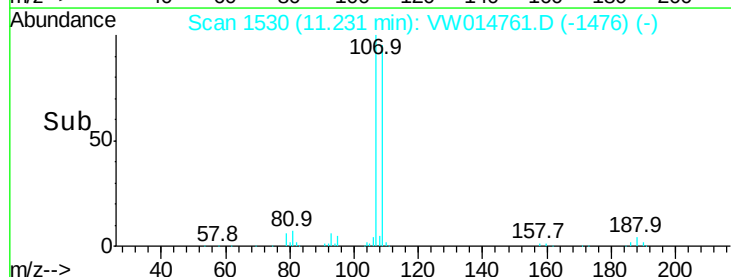
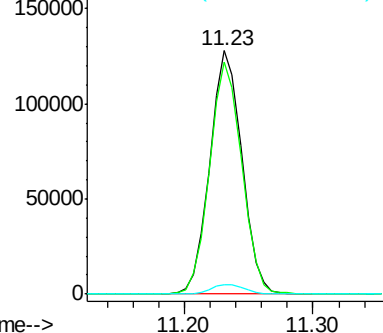
188 3.8 3.0 4.6

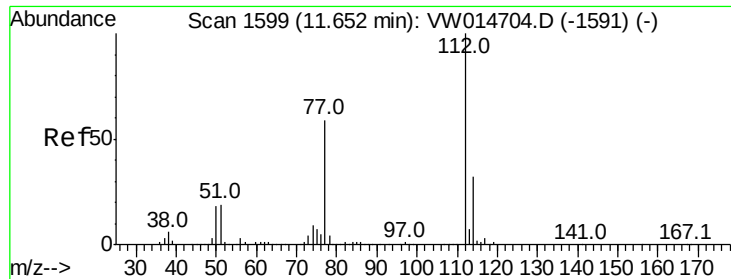


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V





#52

Chlorobenzene

Concen: 24.408 ug/L

RT: 11.65 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VW014761.D

Acq: 27 Jan 2020 11:33

Instrument :

MSVOA_W

ClientSampleId :

VSTD02505

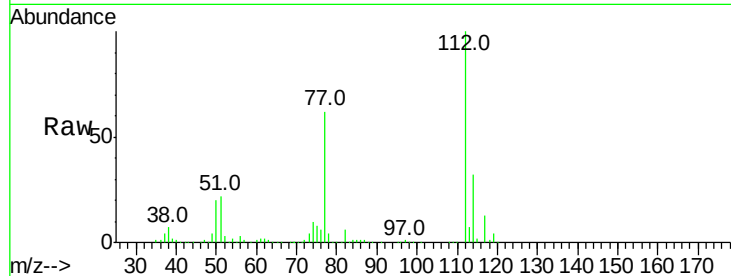
Tgt Ion:112 Resp: 899979

Ion Ratio Lower Upper

112 100

77 61.5 48.2 72.2

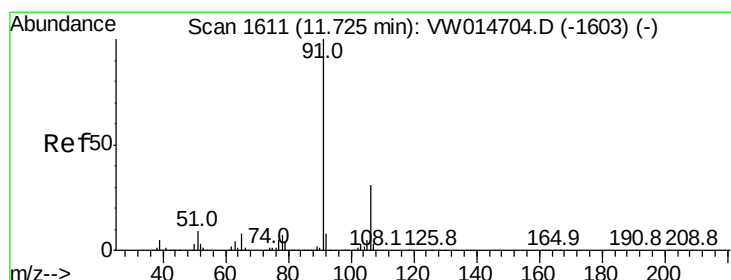
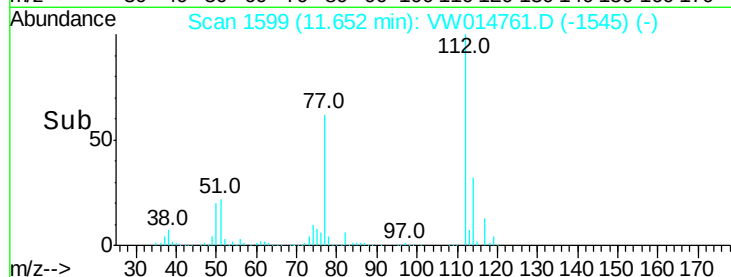
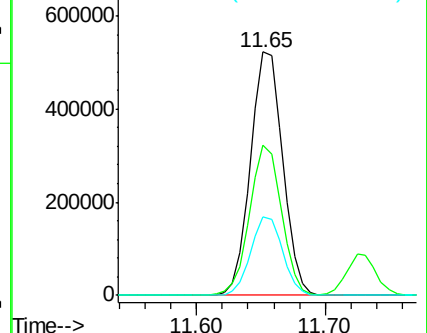
114 32.1 22.9 42.5



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VW

Ion 114.00 (113.70 to 114.70): V



#53

Ethylbenzene

Concen: 25.433 ug/L

RT: 11.73 min Scan# 1611

Delta R.T. 0.00 min

Lab File: VW014761.D

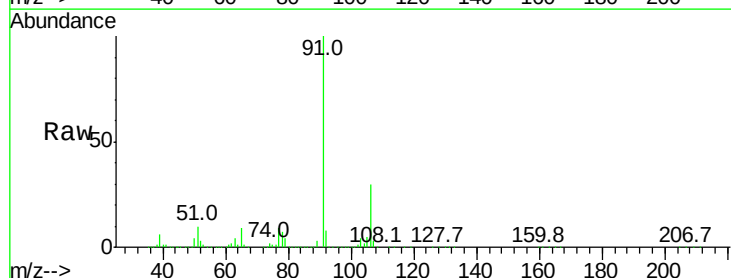
Acq: 27 Jan 2020 11:33

Tgt Ion: 91 Resp: 1631098

Ion Ratio Lower Upper

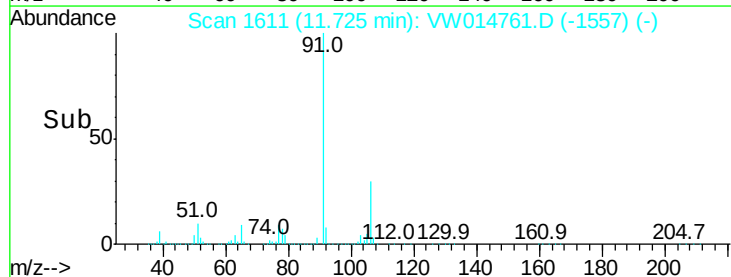
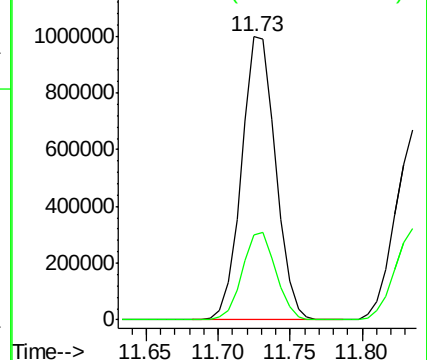
91 100

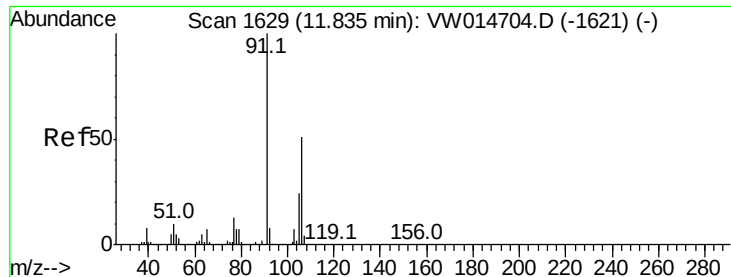
106 30.2 21.8 40.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V





#54

m,p-Xylene

Concen: 25.306 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VW014761.D

Acq: 27 Jan 2020 11:33

Instrument :

MSVOA_W

ClientSampleId :

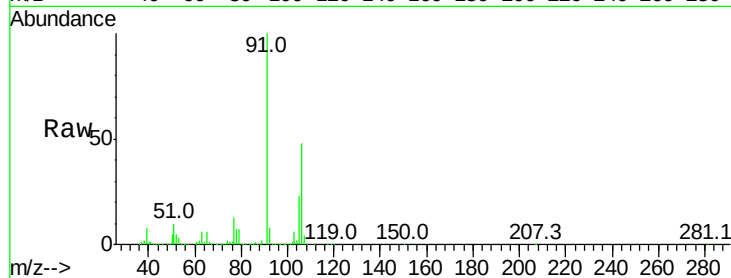
VSTD02505

Tgt Ion:106 Resp: 614160

Ion Ratio Lower Upper

106 100

91 208.9 142.2 264.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

800000

600000

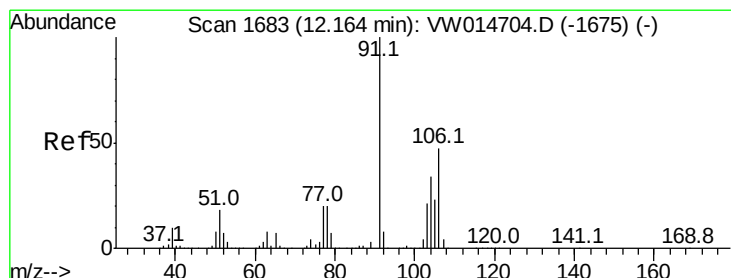
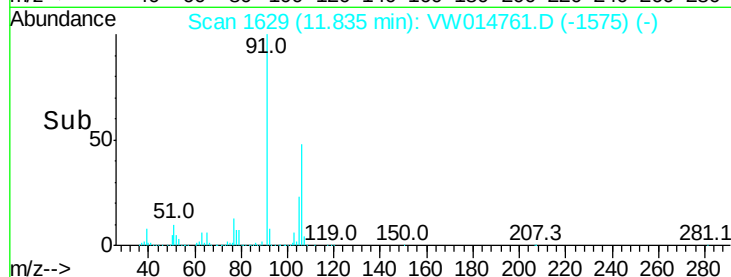
400000

200000

0

11.75 11.80 11.85 11.90

Time-->



#55

o-xylene

Concen: 25.367 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW014761.D

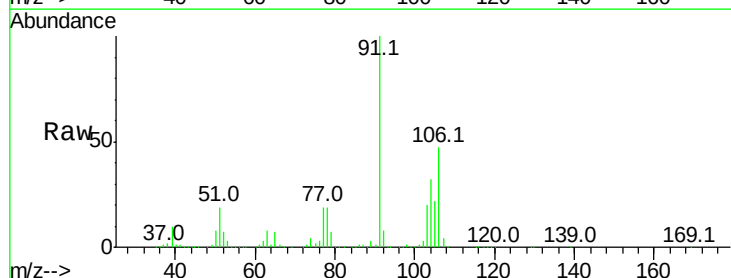
Acq: 27 Jan 2020 11:33

Tgt Ion:106 Resp: 581491

Ion Ratio Lower Upper

106 100

91 212.4 148.7 276.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

800000

600000

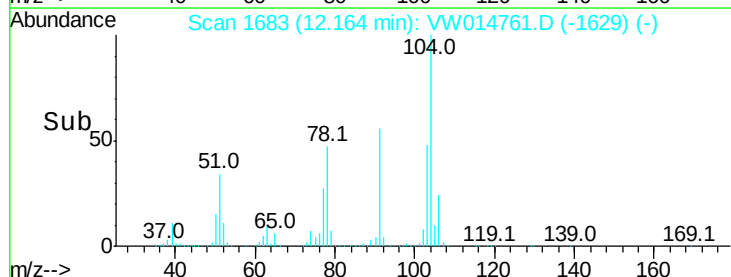
400000

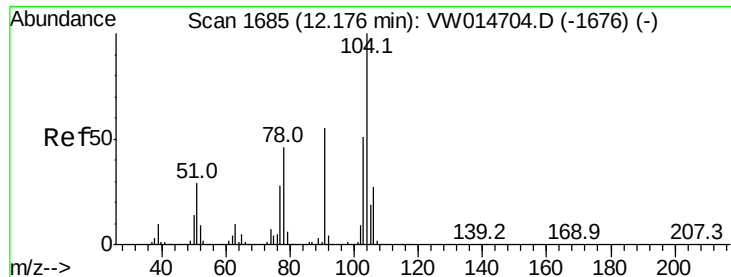
200000

0

12.10 12.20

Time-->





#56

Styrene

Concen: 25.684 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VW014761.D

Acq: 27 Jan 2020 11:33

Instrument :

MSVOA_W

ClientSampleId :

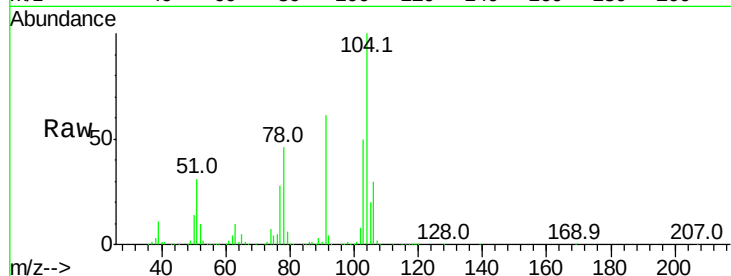
VSTD02505

Tgt Ion:104 Resp: 990969

Ion Ratio Lower Upper

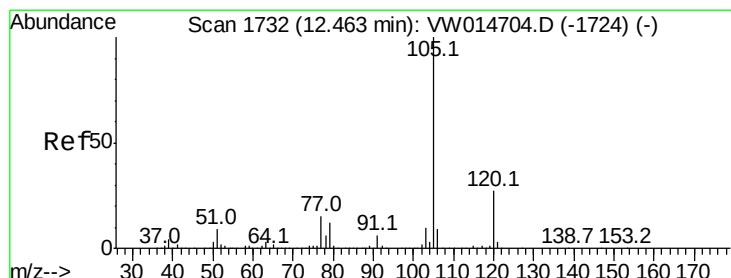
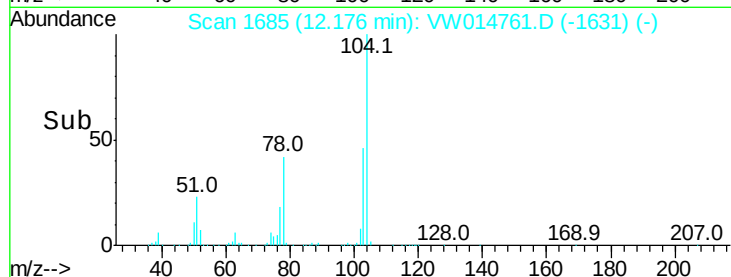
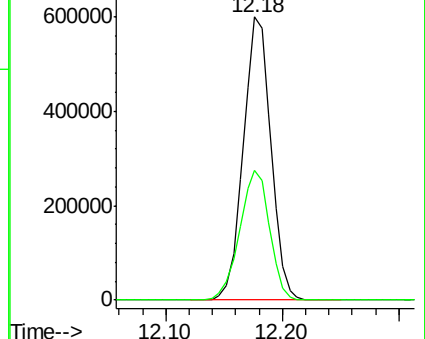
104 100

78 45.7 32.3 60.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW



#57

Isopropylbenzene

Concen: 26.704 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW014761.D

Acq: 27 Jan 2020 11:33

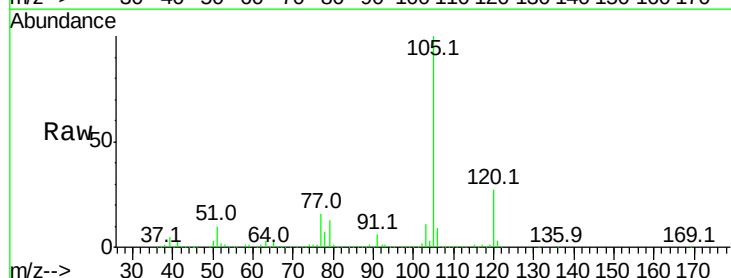
Tgt Ion:105 Resp: 1628308

Ion Ratio Lower Upper

105 100

120 26.4 21.0 31.6

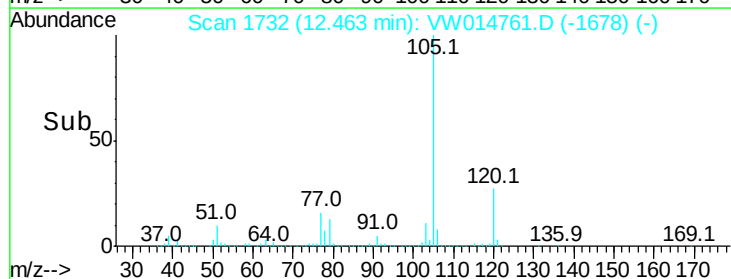
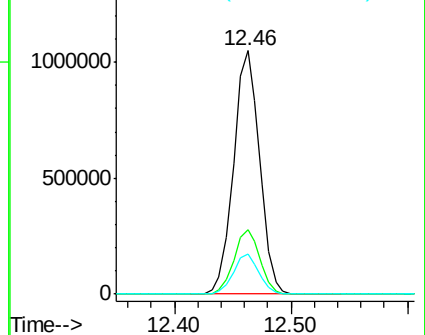
77 16.2 12.2 18.2

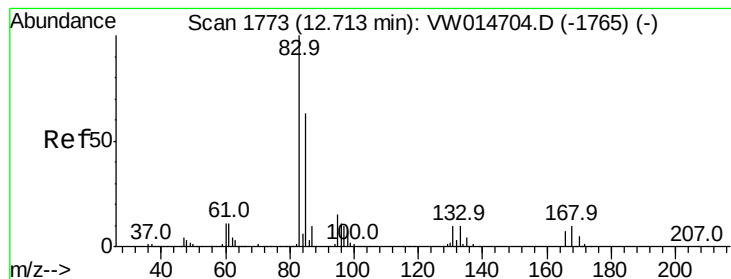


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VW





#58

1,1,2,2-Tetrachloroethane

Concen: 24.430 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW014761.D

Acq: 27 Jan 2020 11:33

Instrument :

MSVOA_W

ClientSampleId :

VSTD02505

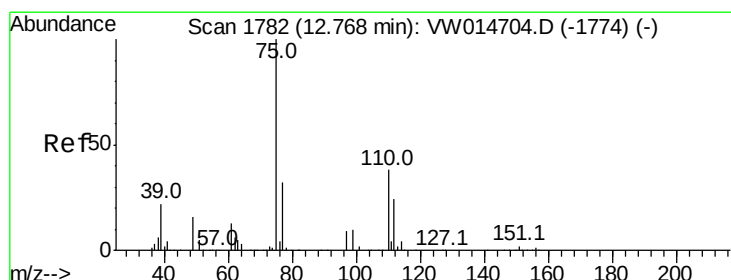
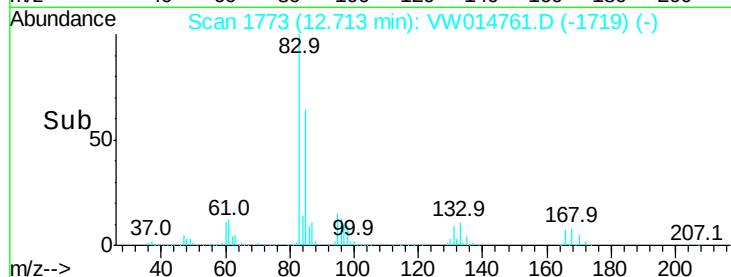
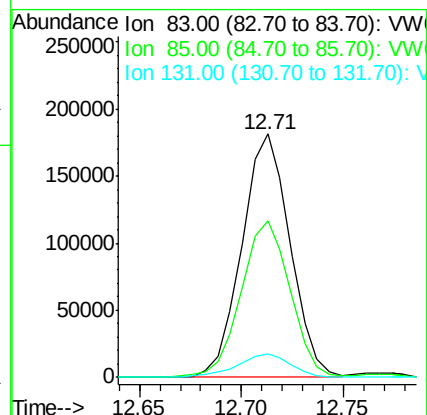
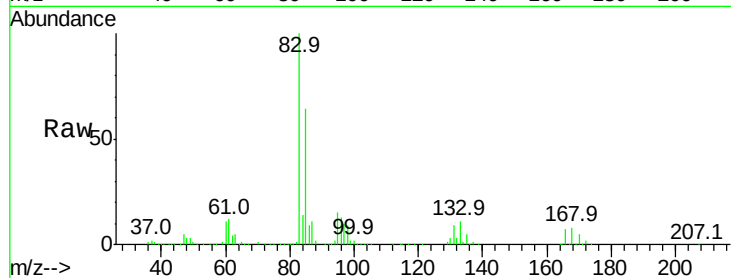
Tgt Ion: 83 Resp: 296814

Ion Ratio Lower Upper

83 100

85 64.3 45.3 84.1

131 9.5 8.0 12.0



#59

1,2,3-Trichloropropane

Concen: 24.349 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW014761.D

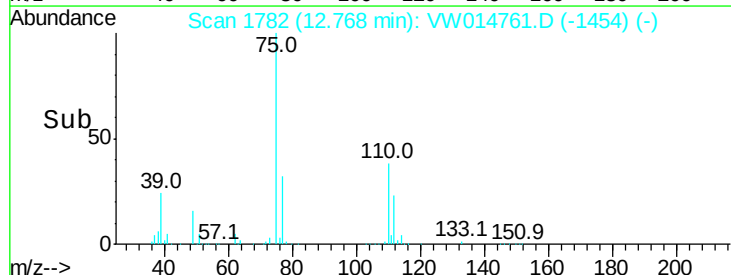
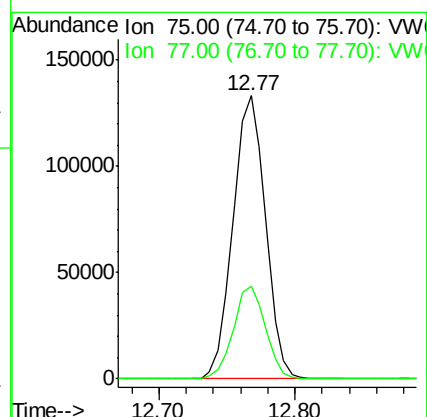
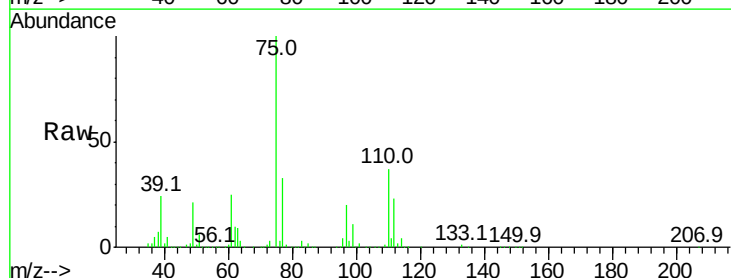
Acq: 27 Jan 2020 11:33

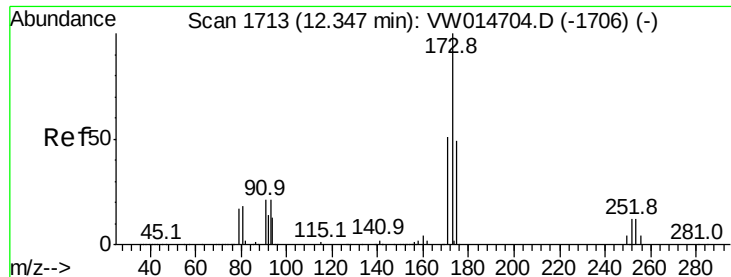
Tgt Ion: 75 Resp: 221607

Ion Ratio Lower Upper

75 100

77 32.3 26.2 39.2





#62

Bromoform

Concen: 23.145 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW014761.D

Acq: 27 Jan 2020 11:33

Instrument :

MSVOA_W

ClientSampleId :

VSTD02505

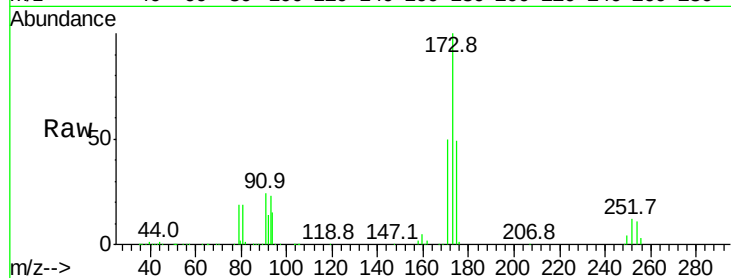
Tgt Ion:173 Resp: 156651

Ion Ratio Lower Upper

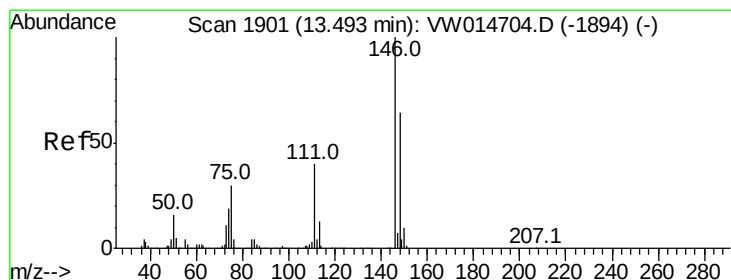
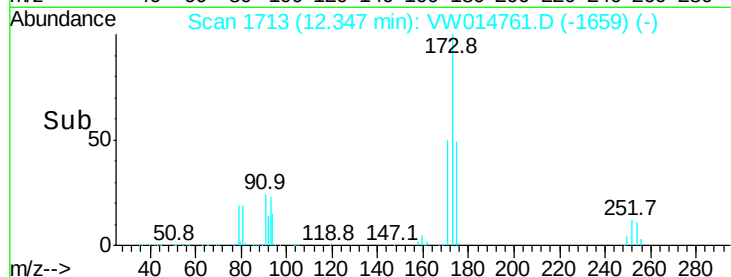
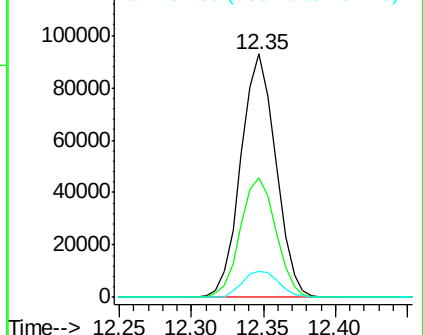
173 100

175 49.8 40.5 60.7

254 11.1 9.3 13.9



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: 24.085 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. 0.01 min

Lab File: VW014761.D

Acq: 27 Jan 2020 11:33

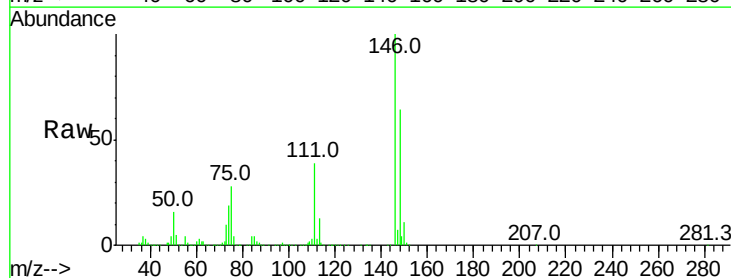
Tgt Ion:146 Resp: 690643

Ion Ratio Lower Upper

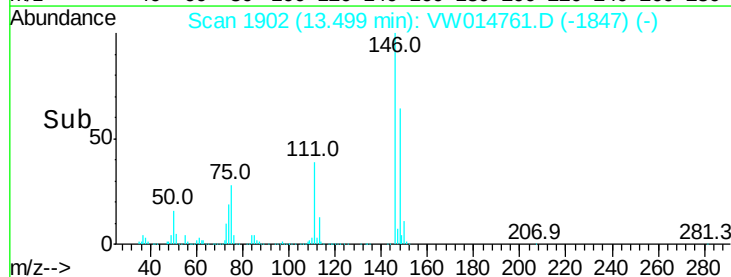
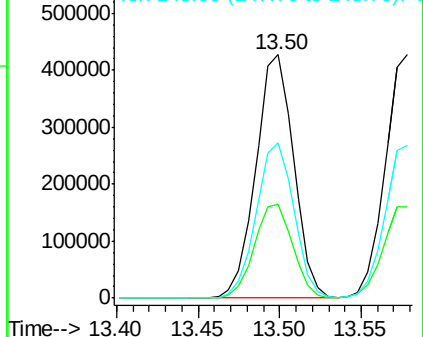
146 100

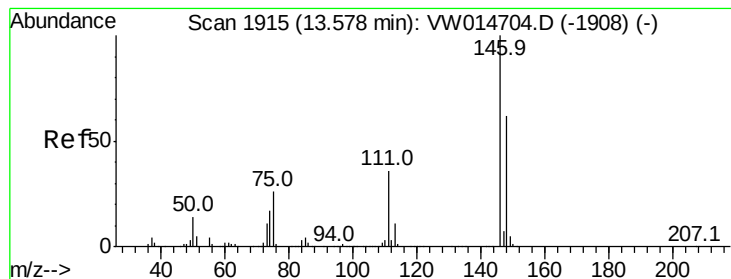
111 38.7 26.9 50.1

148 63.6 45.1 83.7



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





#64

1,4-Dichlorobenzene

Concen: 23.683 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW014761.D

Acq: 27 Jan 2020 11:33

Instrument :

MSVOA_W

ClientSampleId :

VSTD02505

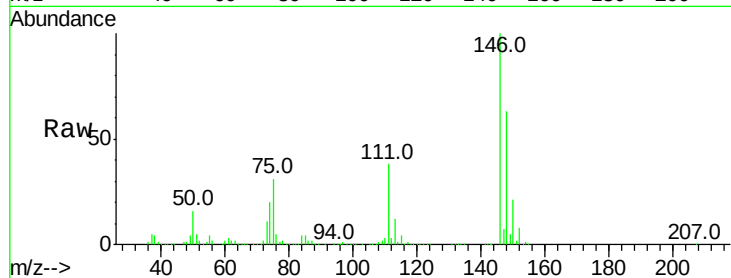
Tgt Ion:146 Resp: 684772

Ion Ratio Lower Upper

146 100

111 37.7 24.5 45.5

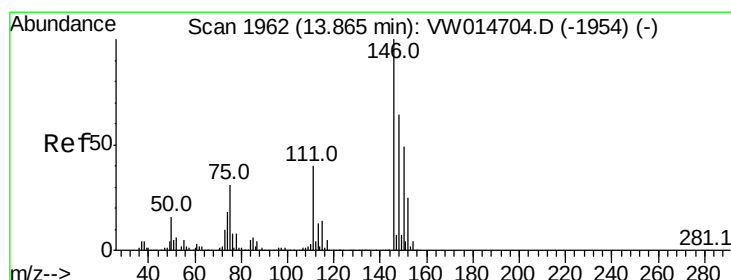
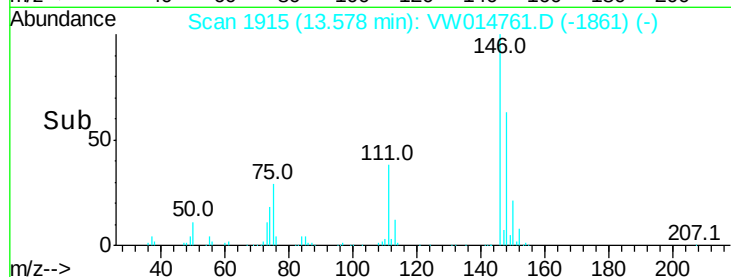
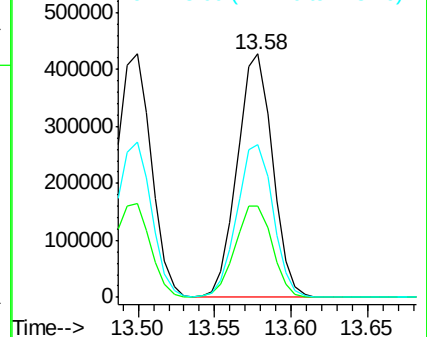
148 62.7 44.4 82.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,2-Dichlorobenzene

Concen: 24.212 ug/L

RT: 13.86 min Scan# 1962

Delta R.T. 0.00 min

Lab File: VW014761.D

Acq: 27 Jan 2020 11:33

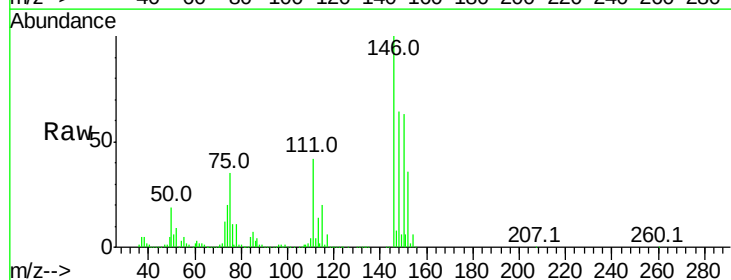
Tgt Ion:146 Resp: 622406

Ion Ratio Lower Upper

146 100

111 41.8 34.2 51.2

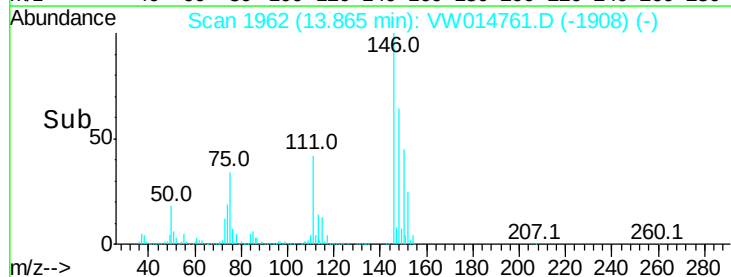
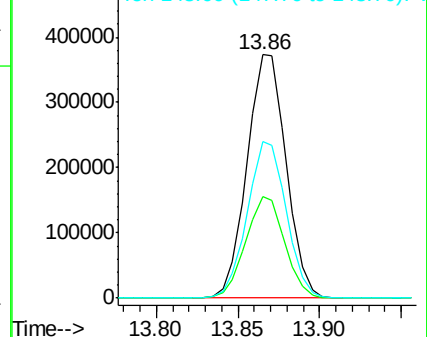
148 64.3 51.8 77.8

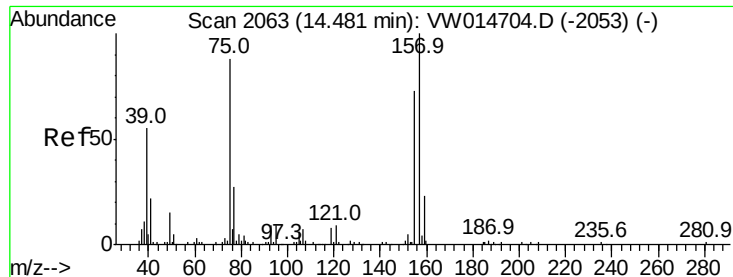


Abundance Ion 146.00 (145.70 to 146.70): V

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: 22.060 ug/L

RT: 14.48 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VW014761.D

Acq: 27 Jan 2020 11:33

Instrument :

MSVOA_W

ClientSampleId :

VSTD02505

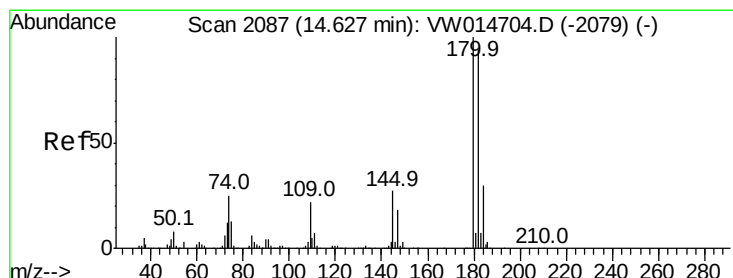
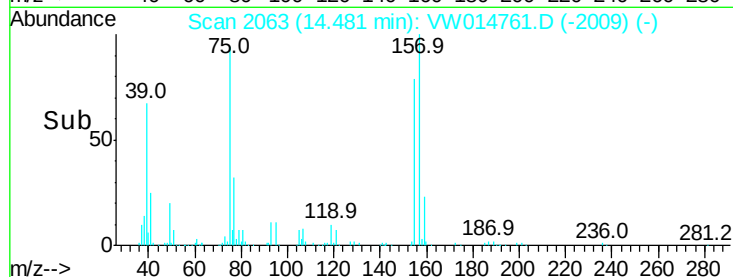
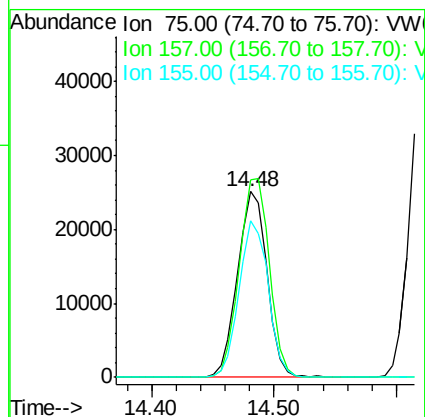
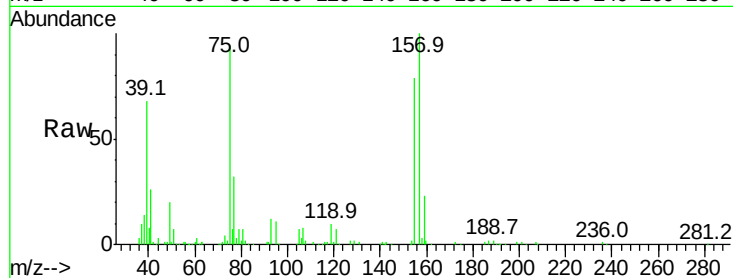
Tgt Ion: 75 Resp: 41993

Ion Ratio Lower Upper

75 100

157 106.1 87.2 130.8

155 83.9 67.8 101.8



#67

1,3,5-Trichlorobenzene

Concen: 24.702 ug/L

RT: 14.63 min Scan# 2087

Delta R.T. 0.00 min

Lab File: VW014761.D

Acq: 27 Jan 2020 11:33

Tgt Ion: 180 Resp: 524722

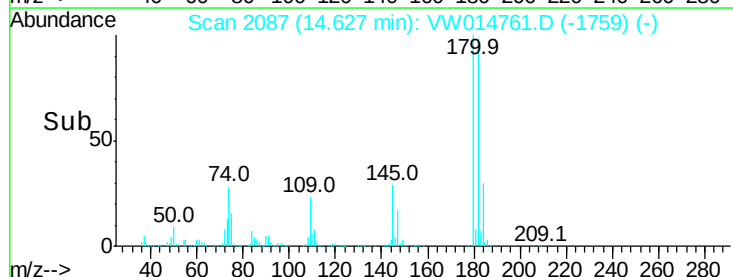
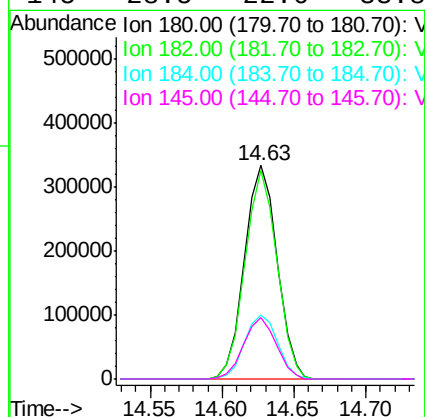
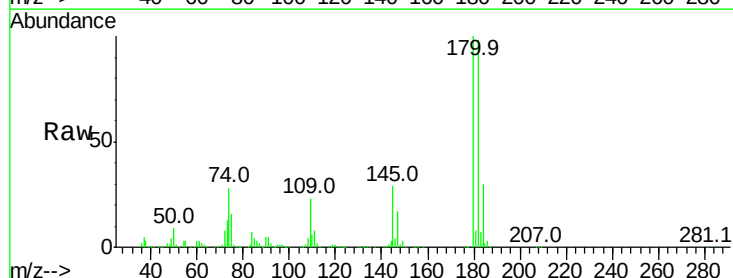
Ion Ratio Lower Upper

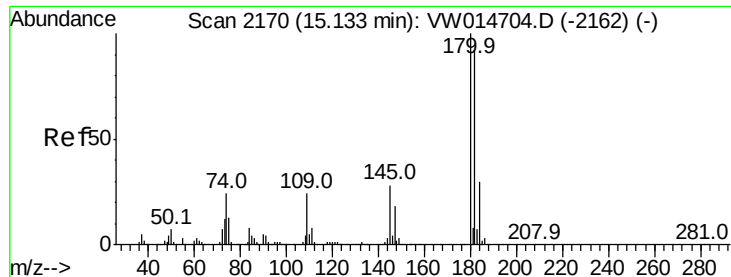
180 100

182 95.3 75.8 113.6

184 30.3 24.0 36.0

145 28.5 22.6 33.8

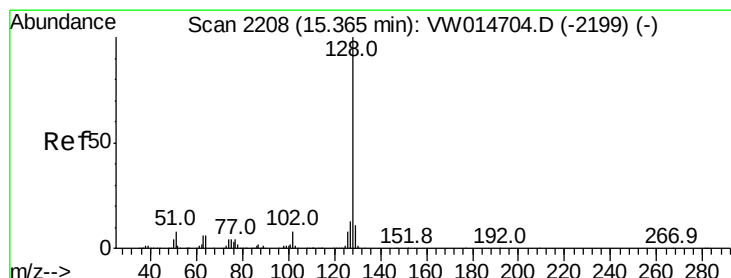
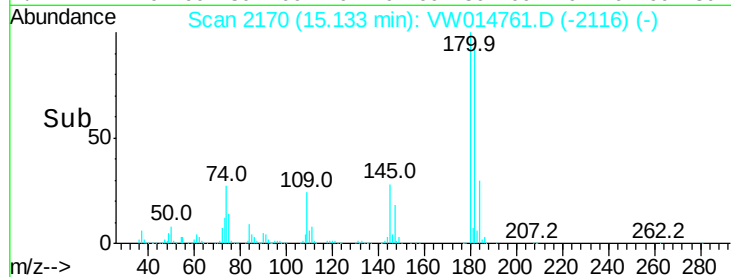
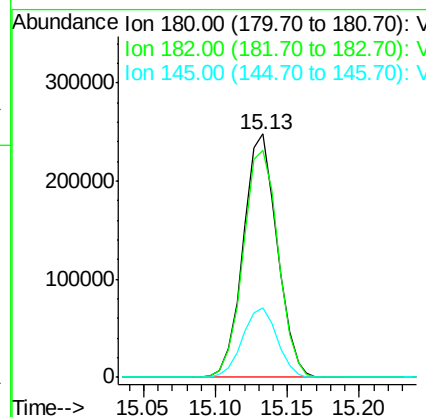
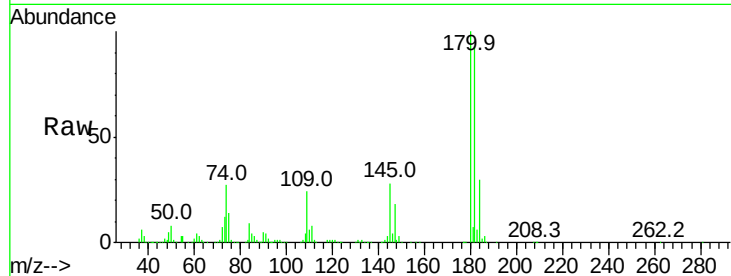




#68
 1,2,4-trichlorobenzene
 Concen: 25.449 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW014761.D
 Acq: 27 Jan 2020 11:33

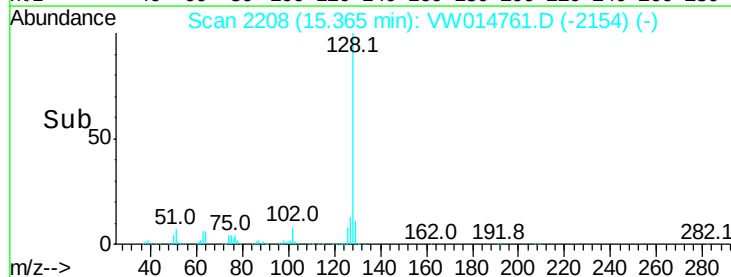
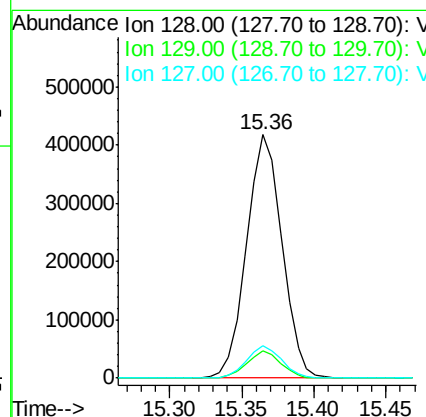
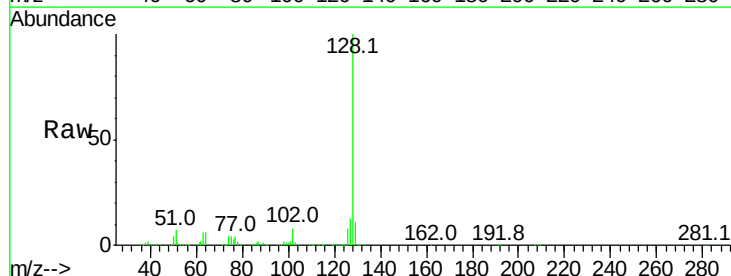
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02505

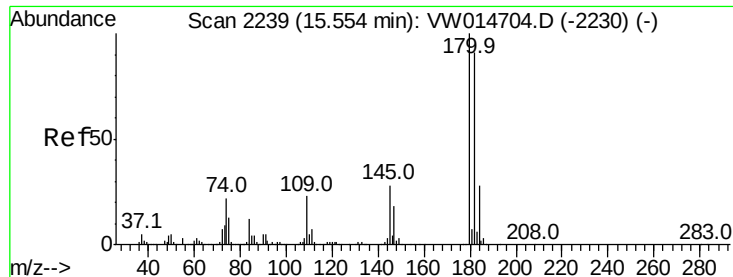
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	76.2	114.4
145	29.1	23.1	34.7



#69
 Naphthalene
 Concen: 25.862 ug/L
 RT: 15.36 min Scan# 2208
 Delta R.T. 0.00 min
 Lab File: VW014761.D
 Acq: 27 Jan 2020 11:33

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.8	13.2
127	13.1	10.6	16.0

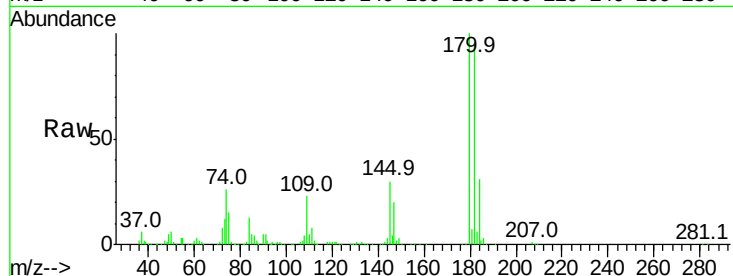




#70
 1,2,3-Trichlorobenzene
 Concen: 25.745 ug/L
 RT: 15.55 min Scan# 2239
 Delta R.T. 0.00 min
 Lab File: VW014761.D
 Acq: 27 Jan 2020 11:33

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02505

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	371488		
182	94.7		77.0	115.6
145	30.4		24.9	37.3



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

