

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091520\
 Data File : VW016556.D
 Acq On : 15 Sep 2020 13:54
 Operator : SY/VA
 Sample : VSTD2.504
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.504

Quant Time: Sep 15 15:15:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 15 15:13:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	655122	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	570277	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	280410	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	16788	2.48	ug/L	-0.01
7) Chloroethane-d5	2.90	69	13872	2.35	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.03	63	37724	2.45	ug/L	0.00
20) 2-Butanone-d5	7.10	46	10144	4.46	ug/L	0.01
24) Chloroform-d	7.65	84	37528	2.58	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.32	65	19704	2.50	ug/L	0.00
29) Benzene-d6	8.28	84	70938	2.59	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	19087	2.41	ug/L	0.00
37) Toluene-d8	10.33	98	71073	2.71	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.59	79	9480	2.37	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	6699	4.24	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	16464	2.46	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	25024	2.69	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.03	85	19008	2.549 ug/L	91
3) Chloromethane	2.22	50	15064	2.401 ug/L	98
5) Vinyl chloride	2.37	62	22870	2.781 ug/L	97
6) Bromomethane	2.79	94	17143	2.785 ug/L	100
8) Chloroethane	2.93	64	13190	2.636 ug/L	94
9) Trichlorofluoromethane	3.28	101	21490	3.018 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.09	101	21314	2.670 ug/L	98
12) 1,1-Dichloroethene	4.06	96	21449	2.673 ug/L #	78
14) Carbon disulfide	4.40	76	65416	2.673 ug/L	95
15) Methyl Acetate	4.68	43	7680	2.074 ug/L	100
16) Methylene chloride	4.93	84	37125	3.659 ug/L	98
17) Methyl tert-butyl Ether	5.43	73	29667	2.503 ug/L #	90
18) trans-1,2-Dichloroethene	5.44	96	22338	2.629 ug/L	98
19) 1,1-Dichloroethane	6.23	63	35727	2.505 ug/L	100
21) 2-Butanone	7.17	43	8893	3.457 ug/L	84
22) cis-1,2-Dichloroethene	7.18	96	22671	2.570 ug/L	96
23) Bromochloromethane	7.52	128	11480	2.777 ug/L	87
25) Chloroform	7.68	83	38546	2.588 ug/L	100
27) 1,2-Dichloroethane	8.41	62	24877	2.529 ug/L	98
30) Cyclohexane	7.96	56	33888	2.564 ug/L	100
31) 1,1,1-Trichloroethane	7.88	97	35394	2.852 ug/L	98
32) Carbon tetrachloride	8.08	117	34369	2.906 ug/L	96
34) Benzene	8.33	78	83105	2.722 ug/L	100
35) Trichloroethene	9.10	95	23794	2.785 ug/L	99
36) Methylcyclohexane	9.34	83	40676	2.733 ug/L	99
40) 1,2-Dichloropropane	9.37	63	19450	2.607 ug/L	99
41) Bromodichloromethane	9.65	83	27485	2.605 ug/L	96
42) cis-1,3-Dichloropropene	10.08	75	30691	2.412 ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	25385	4.909 ug/L	99
44) Toluene	10.40	91	90564	2.651 ug/L	96

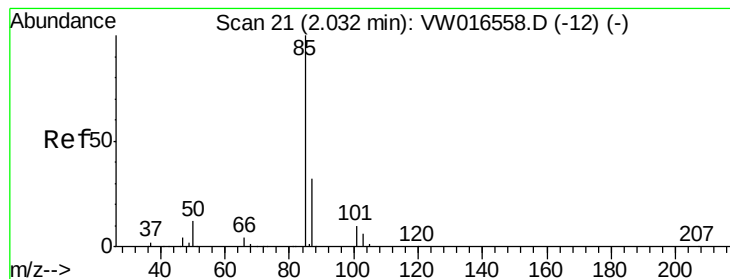
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091520\
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) trans-1,3-Dichloropropene	10.61	75	26323	2.330	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	15892	2.655	ug/L	98
47) Tetrachloroethene	10.87	164	21556	3.058	ug/L	96
49) 2-Hexanone	10.98	43	14566	4.061	ug/L	98
50) Dibromochloromethane	11.13	129	19495	2.552	ug/L	88
51) 1,2-Dibromoethane	11.24	107	15283	2.555	ug/L	93
52) Chlorobenzene	11.66	112	60869	2.773	ug/L	99
53) Ethylbenzene	11.74	91	104904	2.718	ug/L	94
54) m,p-Xylene	11.84	106	40535	2.729	ug/L	94
55) o-xylene	12.17	106	39025	2.758	ug/L	95
56) Styrene	12.18	104	61652	2.550	ug/L	96
57) Isopropylbenzene	12.47	105	107636	2.768	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	17726	2.503	ug/L #	93
59) 1,2,3-Trichloropropane	12.77	75	13360	2.525	ug/L	95
62) Bromoform	12.35	173	11605	2.484	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	48454	2.744	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	46475	2.666	ug/L	95
65) 1,2-Dichlorobenzene	13.87	146	43004	2.748	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	2962	2.106	ug/L	88
67) 1,3,5-Trichlorobenzene	14.63	180	34992	2.826	ug/L	97
68) 1,2,4-trichlorobenzene	15.14	180	26974	2.520	ug/L	99
69) Naphthalene	15.37	128	43927	2.025	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	23134	2.519	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 2.549 ug/L

RT: 2.03 min Scan# 20

Delta R.T. -0.01 min

Lab File: VW016556.D

Acq: 15 Sep 2020 13:54

Instrument :

MSVOA_W

ClientSampleId :

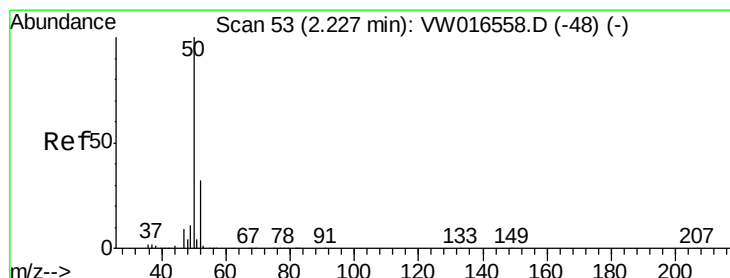
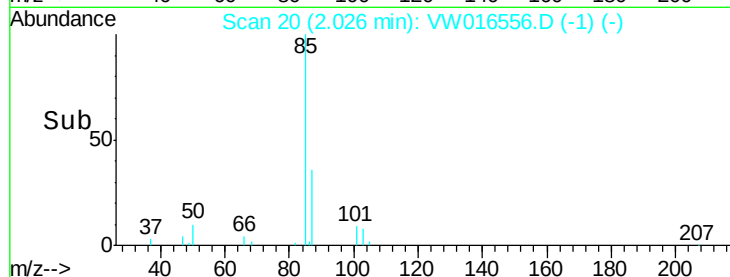
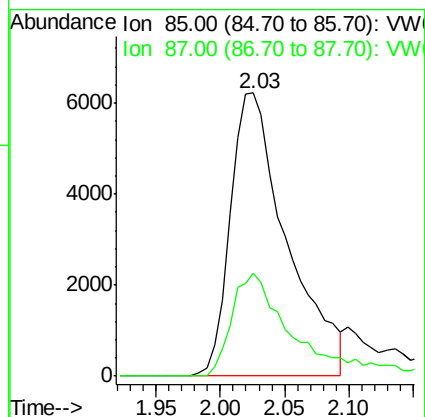
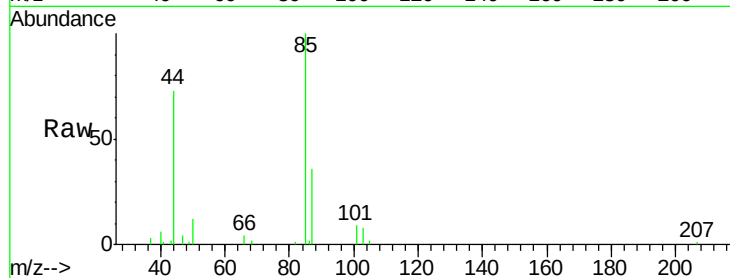
VSTD2.504

Tgt Ion: 85 Resp: 19008

Ion Ratio Lower Upper

85 100

87 36.9 22.2 41.2



#3

Chloromethane

Concen: 2.401 ug/L

RT: 2.22 min Scan# 52

Delta R.T. -0.01 min

Lab File: VW016556.D

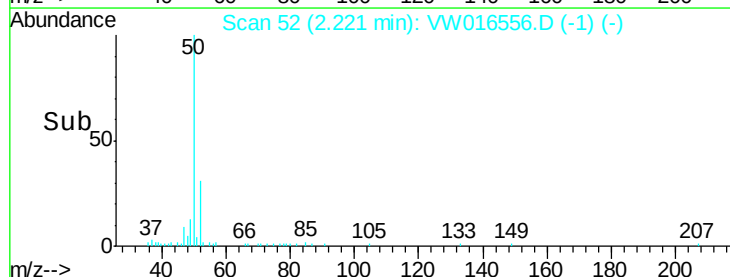
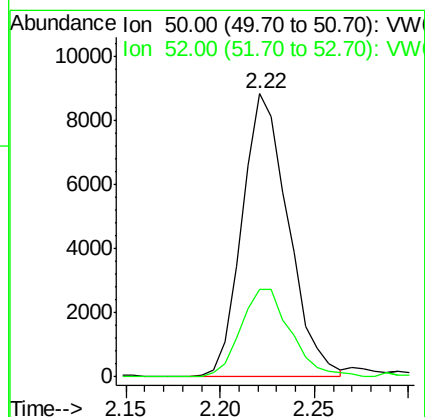
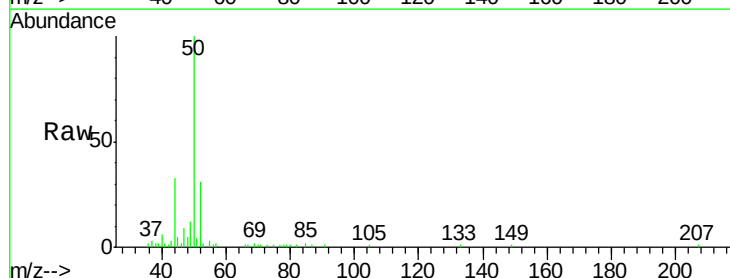
Acq: 15 Sep 2020 13:54

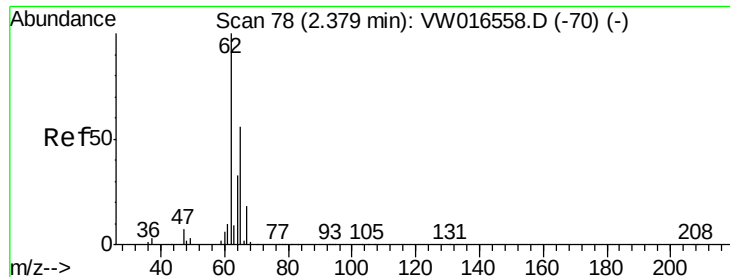
Tgt Ion: 50 Resp: 15064

Ion Ratio Lower Upper

50 100

52 31.0 22.4 41.6





#5

Vinyl chloride

Concen: 2.781 ug/L

RT: 2.37 min Scan# 77

Delta R.T. -0.01 min

Lab File: VW016556.D

Acq: 15 Sep 2020 13:54

Instrument :

MSVOA_W

ClientSampleId :

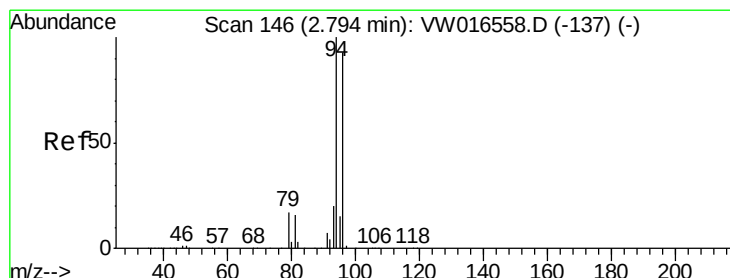
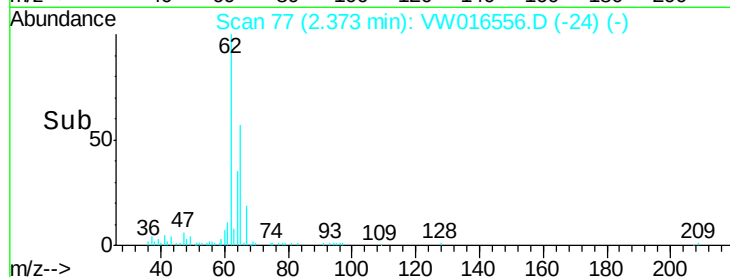
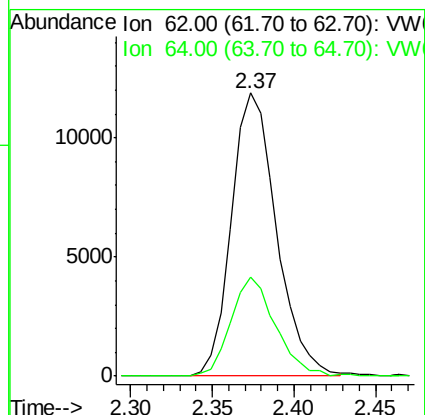
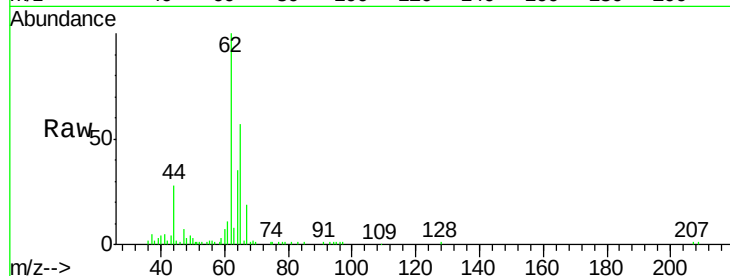
VSTD2.504

Tgt Ion: 62 Resp: 22870

Ion Ratio Lower Upper

62 100

64 35.0 23.4 43.4



#6

Bromomethane

Concen: 2.785 ug/L

RT: 2.79 min Scan# 146

Delta R.T. 0.00 min

Lab File: VW016556.D

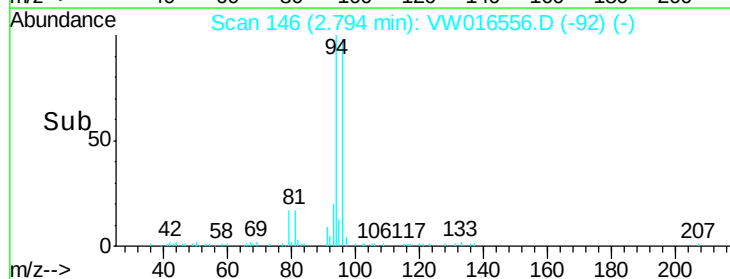
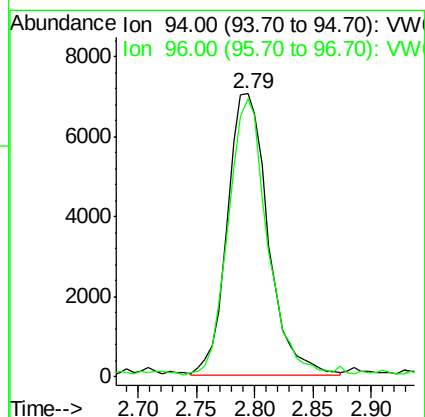
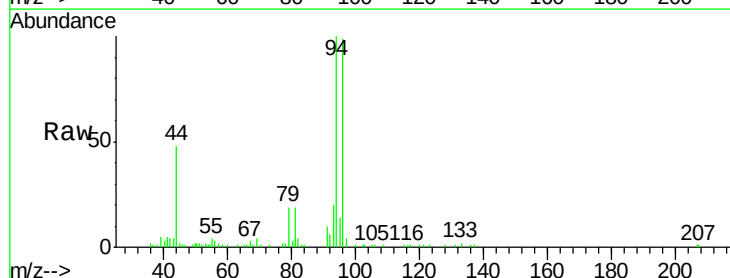
Acq: 15 Sep 2020 13:54

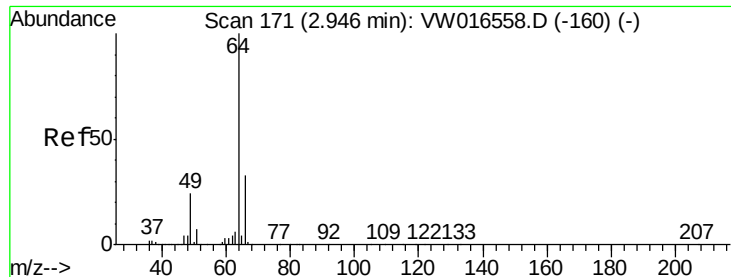
Tgt Ion: 94 Resp: 17143

Ion Ratio Lower Upper

94 100

96 96.0 9.6 181.6





#8

Chloroethane

Concen: 2.636 ug/L

RT: 2.93 min Scan# 169

Delta R.T. -0.01 min

Lab File: VW016556.D

Acq: 15 Sep 2020 13:54

Instrument :

MSVOA_W

ClientSampled :

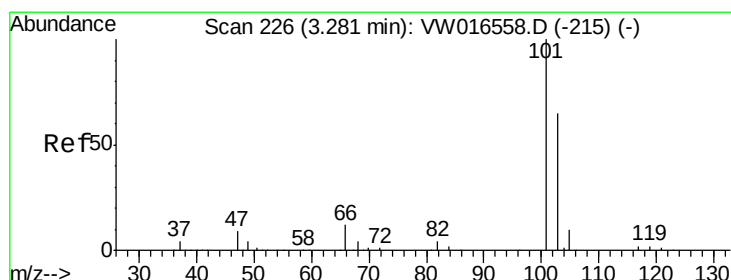
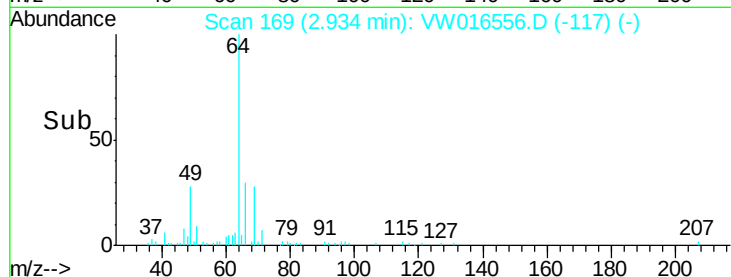
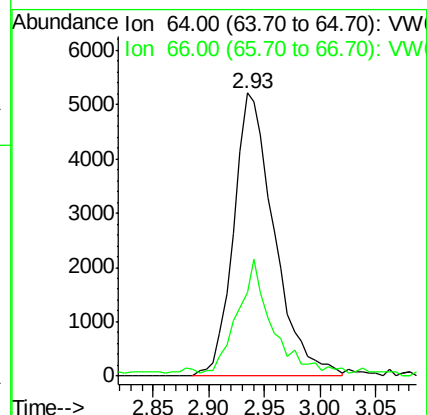
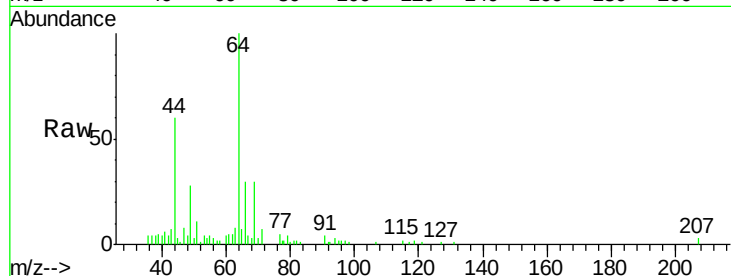
VSTD2.504

Tgt Ion: 64 Resp: 13190

Ion Ratio Lower Upper

64 100

66 29.6 23.2 43.2



#9

Trichlorofluoromethane

Concen: 3.018 ug/L

RT: 3.28 min Scan# 225

Delta R.T. -0.01 min

Lab File: VW016556.D

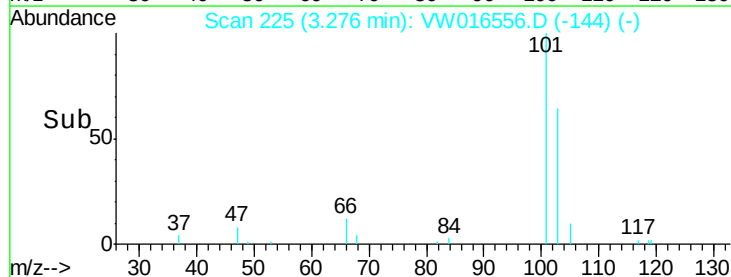
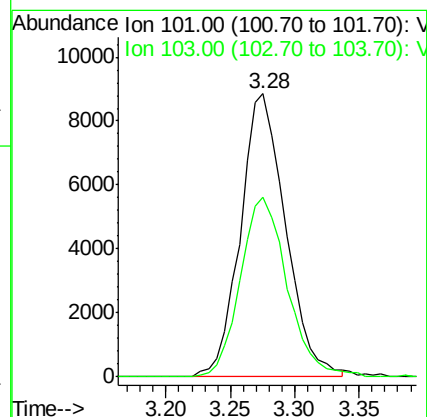
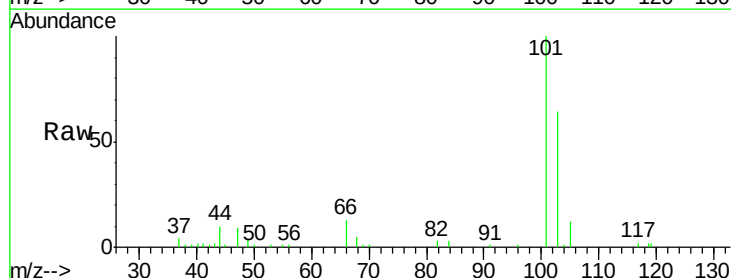
Acq: 15 Sep 2020 13:54

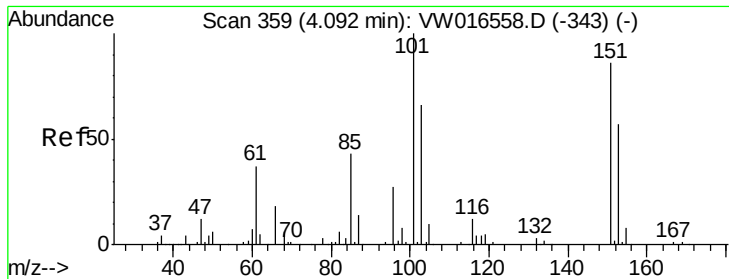
Tgt Ion: 101 Resp: 21490

Ion Ratio Lower Upper

101 100

103 65.9 45.2 84.0





#11

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

Concen: 2.670 ug/L

RT: 4.09 min Scan# 358

Delta R.T. -0.01 min

Lab File: VW016556.D

Acq: 15 Sep 2020 13:54

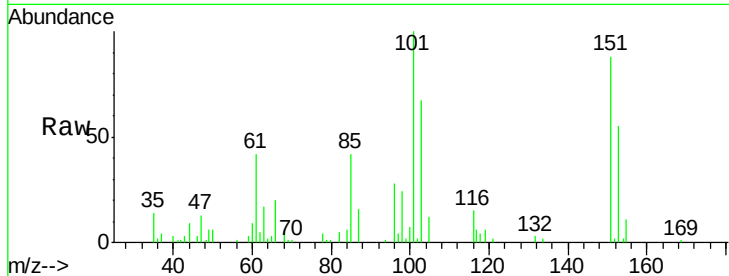
Instrument :

MSVOA_W

ClientSampleId :

VSTD2.504

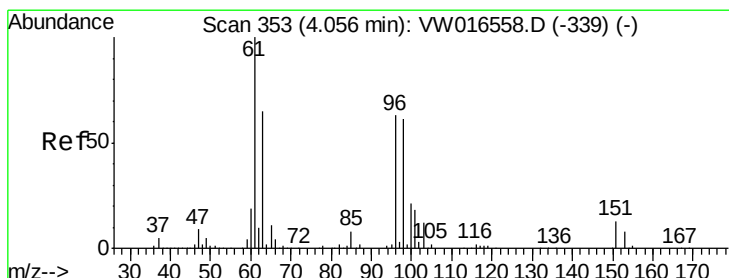
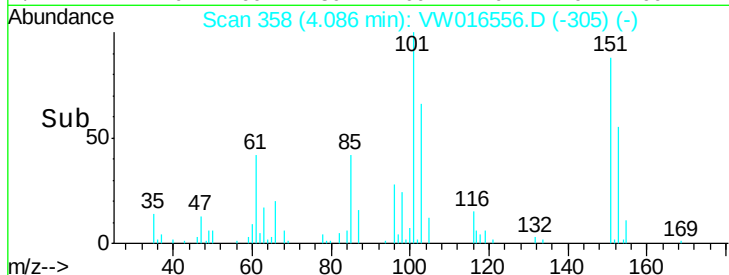
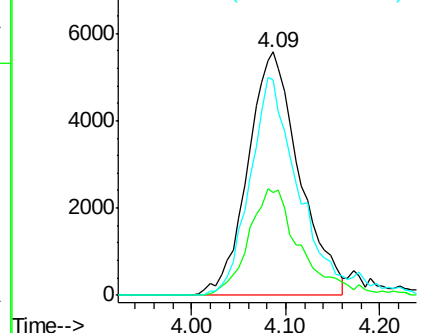
Tgt Ion:	101	Resp:	21314
Ion	Ratio	Lower	Upper
101	100		
85	42.8	32.6	49.0
151	83.3	66.0	99.0



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: 2.673 ug/L

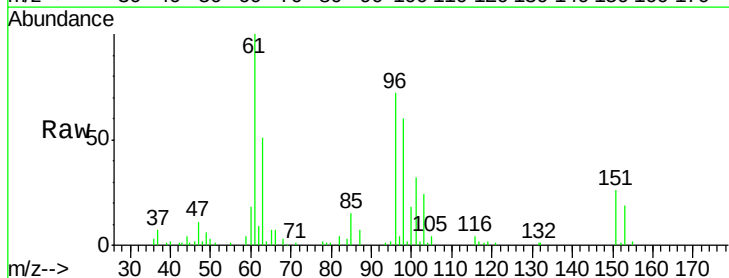
RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW016556.D

Acq: 15 Sep 2020 13:54

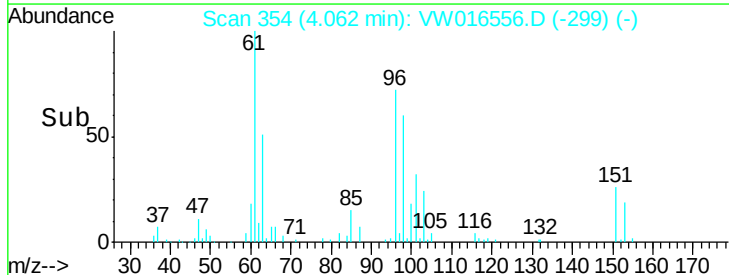
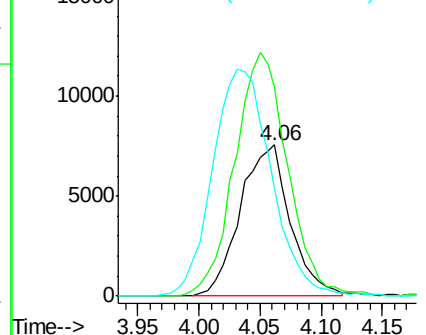
Tgt Ion:	96	Resp:	21449
Ion	Ratio	Lower	Upper
96	100		
61	138.6	111.4	206.8
63	71.2	73.0	135.6#

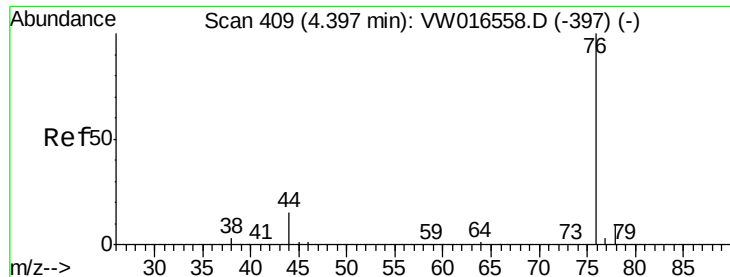


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#14

Carbon disulfide

Concen: 2.673 ug/L

RT: 4.40 min Scan# 409

Delta R.T. 0.00 min

Lab File: VW016556.D

Acq: 15 Sep 2020 13:54

Instrument :

MSVOA_W

ClientSampleId :

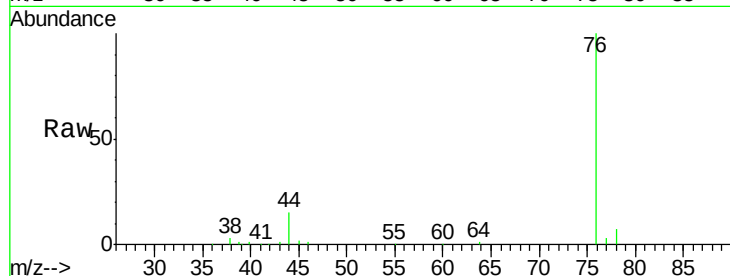
VSTD2.504

Tgt Ion: 76 Resp: 65416

Ion Ratio Lower Upper

76 100

78 7.4 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

4.40

25000

20000

15000

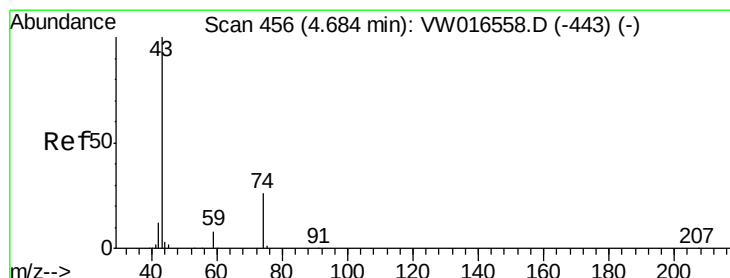
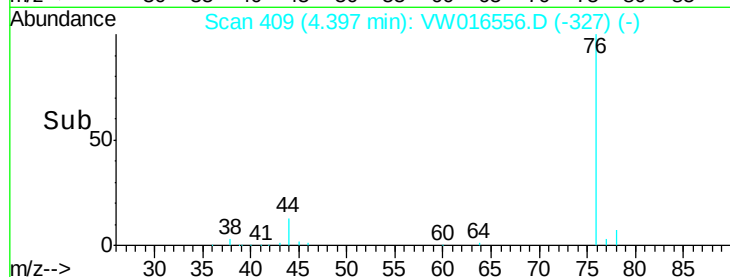
10000

5000

0

Time-->

4.30 4.40 4.50



#15

Methyl Acetate

Concen: 2.074 ug/L

RT: 4.68 min Scan# 456

Delta R.T. 0.00 min

Lab File: VW016556.D

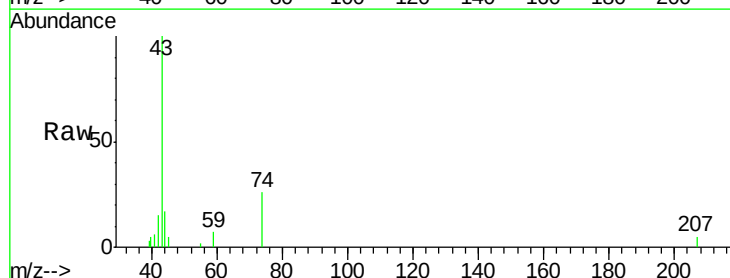
Acq: 15 Sep 2020 13:54

Tgt Ion: 43 Resp: 7680

Ion Ratio Lower Upper

43 100

74 27.1 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.68

3000

2500

2000

1500

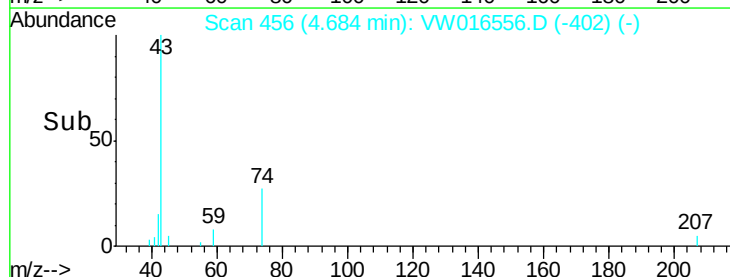
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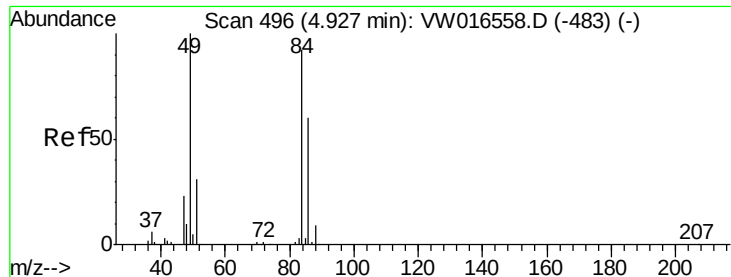
500

0

Time-->

4.60 4.70 4.80

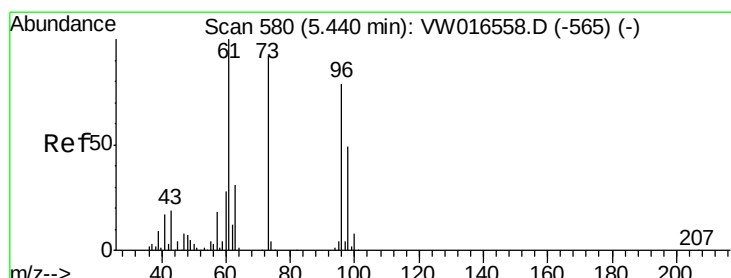
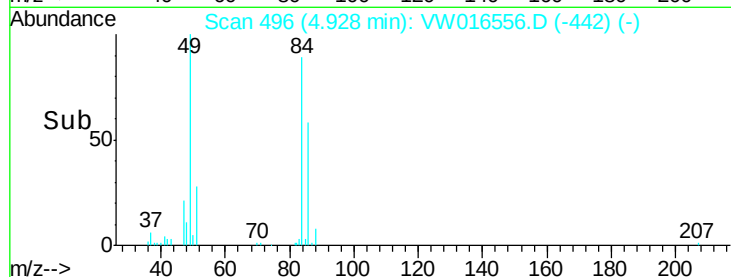
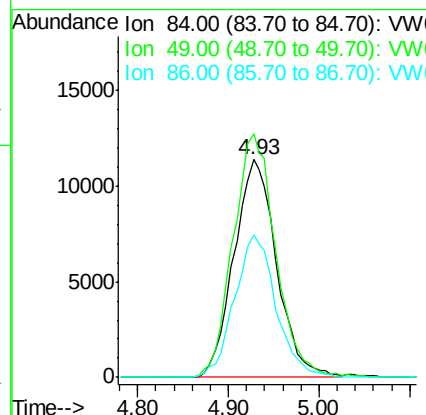
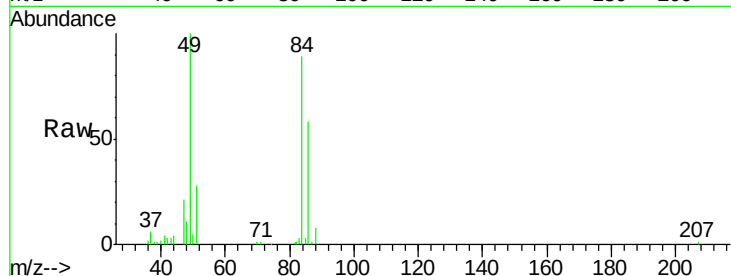




#16
Methylene chloride
Concen: 3.659 ug/L
RT: 4.93 min Scan# 496
Delta R.T. 0.00 min
Lab File: VW016556.D
Acq: 15 Sep 2020 13:54

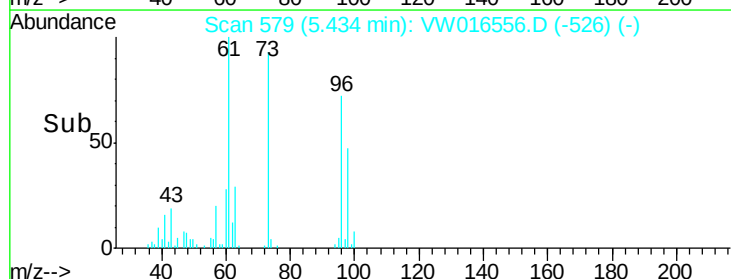
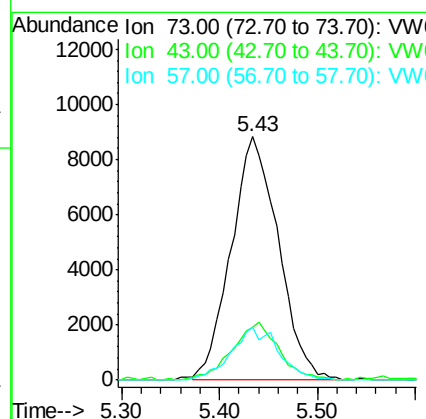
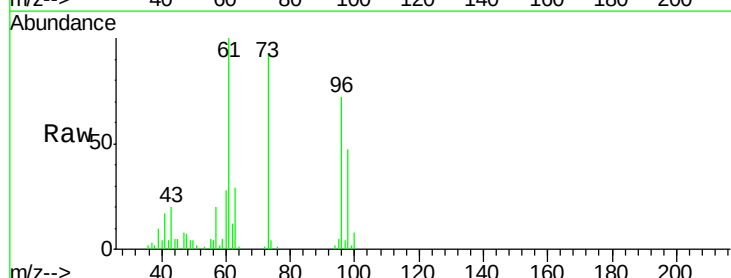
Instrument :
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VSTD2.504

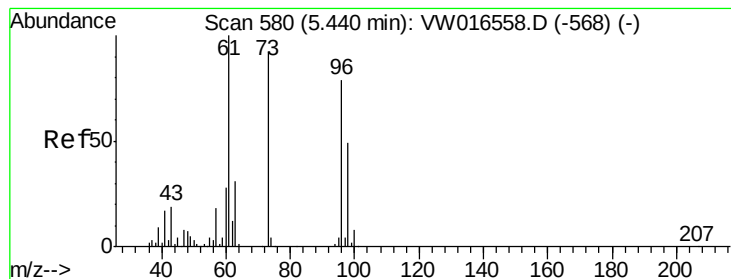
Tgt Ion: 84 Resp: 37125
Ion Ratio Lower Upper
84 100
49 112.0 76.0 141.2
86 65.5 45.6 84.6



#17
Methyl tert-butyl Ether
Concen: 2.503 ug/L
RT: 5.43 min Scan# 579
Delta R.T. -0.01 min
Lab File: VW016556.D
Acq: 15 Sep 2020 13:54

Tgt Ion: 73 Resp: 29667
Ion Ratio Lower Upper
73 100
43 23.5 17.2 25.8
57 12.9 16.3 24.5#





#18

trans-1,2-Dichloroethene

Concen: 2.629 ug/L

RT: 5.44 min Scan# 580

Delta R.T. 0.00 min

Lab File: VW016556.D

Acq: 15 Sep 2020 13:54

Instrument :

MSVOA_W

ClientSampled :

VSTD2.504

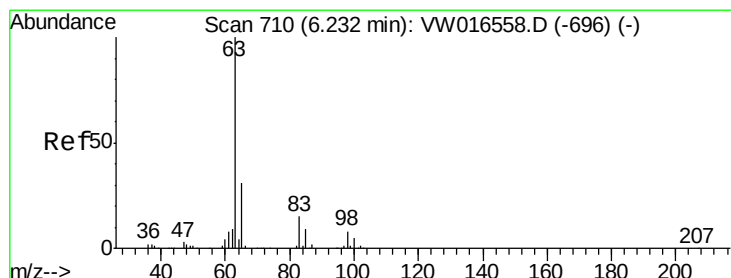
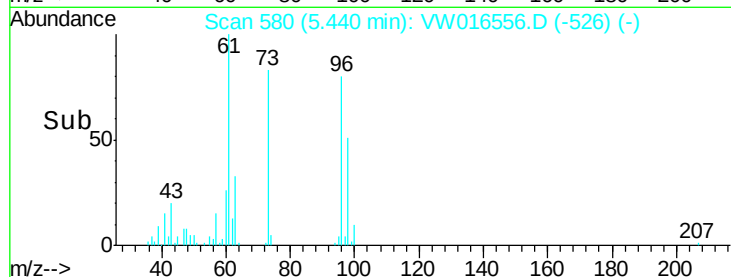
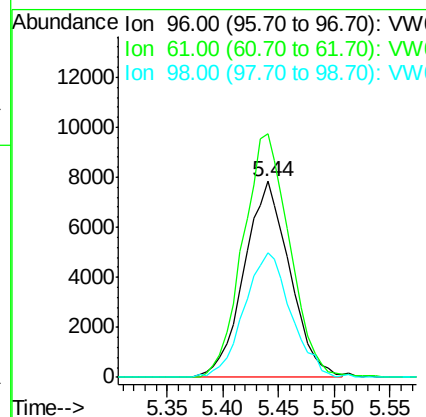
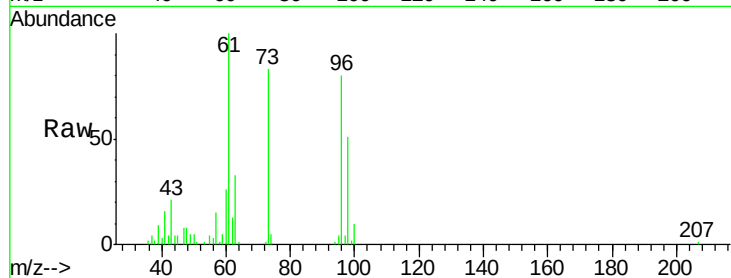
Tgt Ion: 96 Resp: 22338

Ion Ratio Lower Upper

96 100

61 124.4 88.4 164.2

98 63.6 43.0 80.0



#19

1,1-Dichloroethane

Concen: 2.505 ug/L

RT: 6.23 min Scan# 710

Delta R.T. 0.00 min

Lab File: VW016556.D

Acq: 15 Sep 2020 13:54

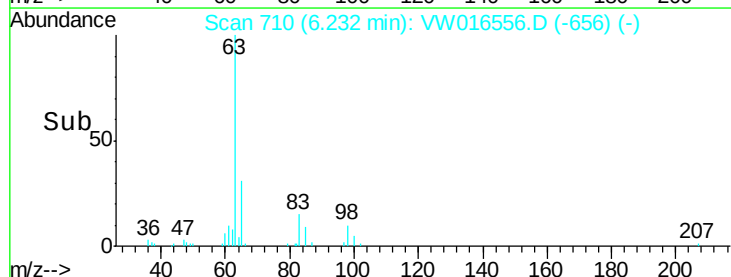
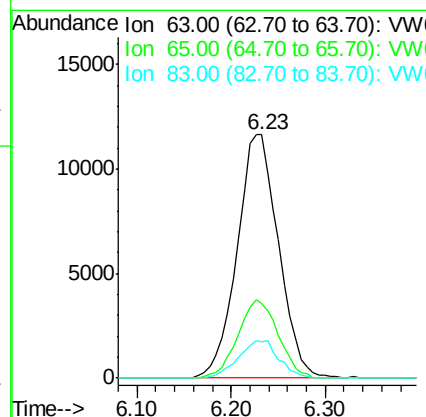
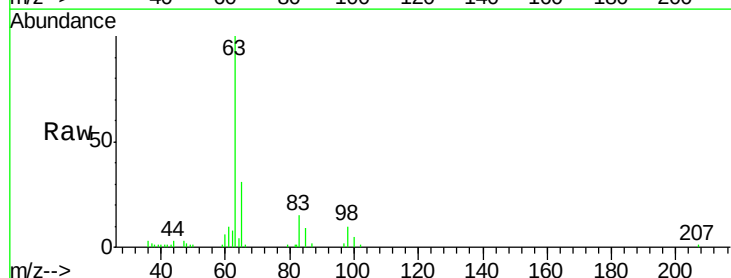
Tgt Ion: 63 Resp: 35727

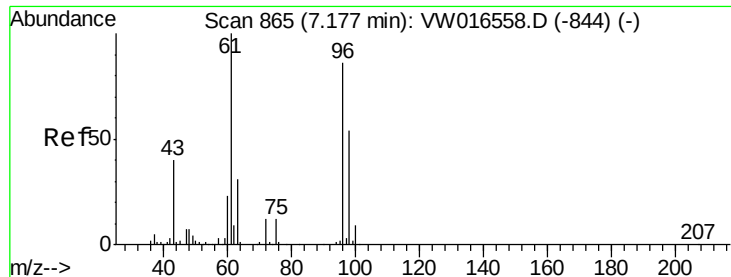
Ion Ratio Lower Upper

63 100

65 30.9 21.6 40.0

83 15.1 10.4 19.2





#21

2-Butanone

Concen: 3.457 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW016556.D

Acq: 15 Sep 2020 13:54

Instrument :

MSVOA_W

ClientSampled :

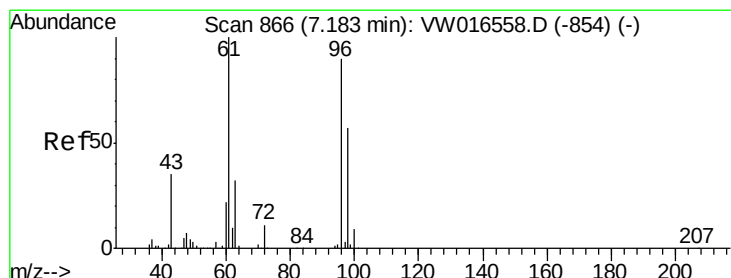
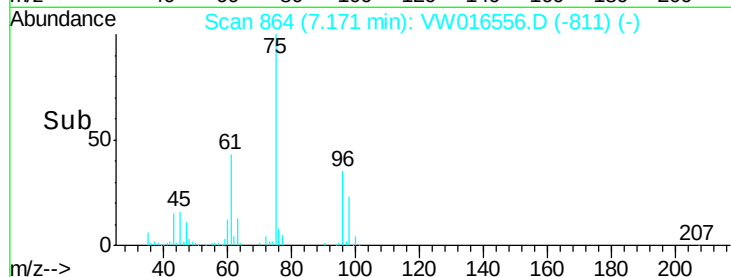
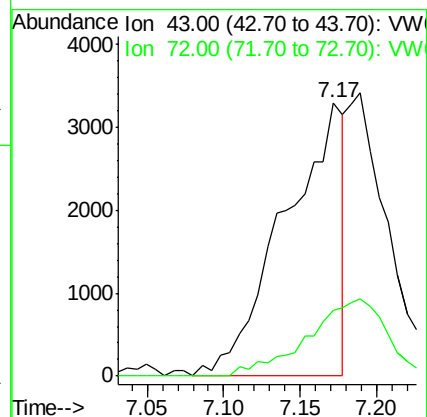
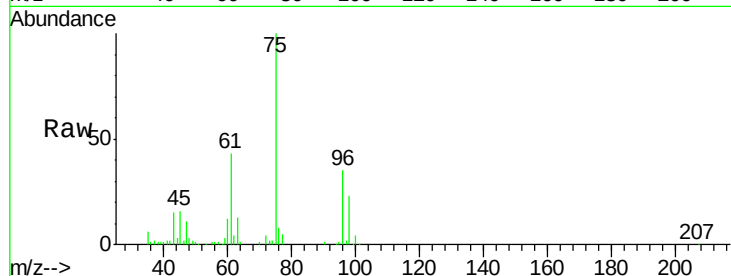
VSTD2.504

Tgt Ion: 43 Resp: 8893

Ion Ratio Lower Upper

43 100

72 37.9 14.6 43.8



#22

cis-1,2-Dichloroethene

Concen: 2.570 ug/L

RT: 7.18 min Scan# 866

Delta R.T. 0.00 min

Lab File: VW016556.D

Acq: 15 Sep 2020 13:54

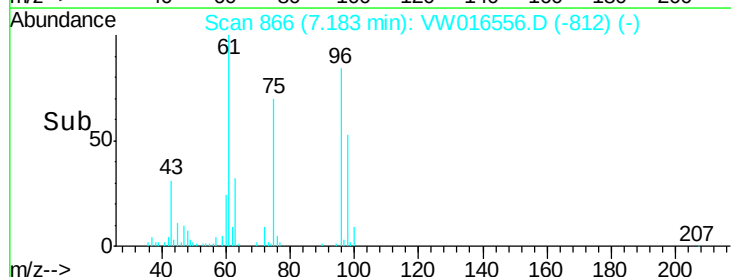
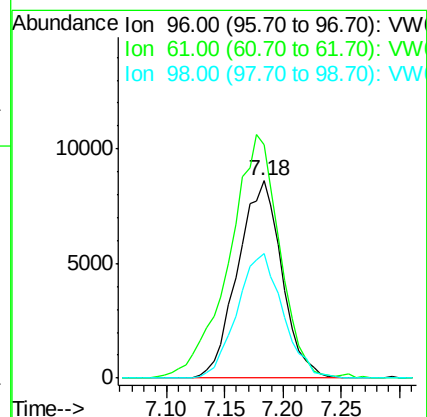
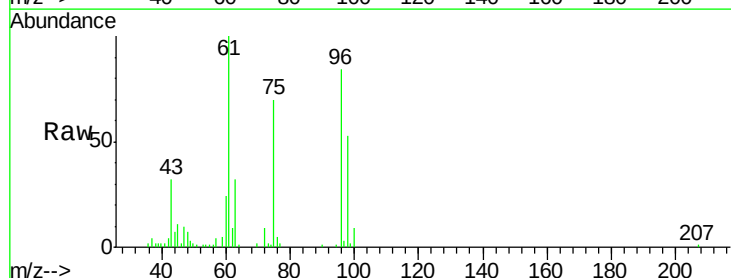
Tgt Ion: 96 Resp: 22671

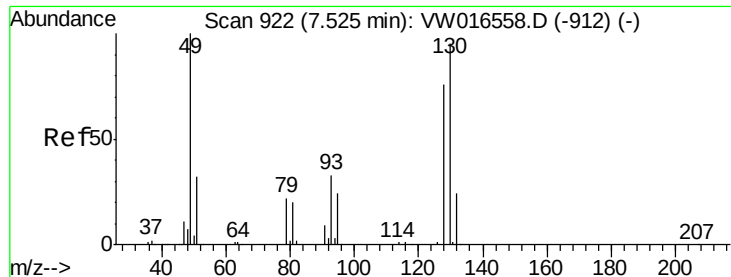
Ion Ratio Lower Upper

96 100

61 118.5 78.4 145.6

98 63.1 44.8 83.2





#23

Bromochloromethane

Concen: 2.777 ug/L

RT: 7.52 min Scan# 921

Delta R.T. -0.01 min

Lab File: VW016556.D

Acq: 15 Sep 2020 13:54

Instrument :

MSVOA_W

ClientSampled :

VSTD2.504

Tgt Ion:128 Resp: 11480

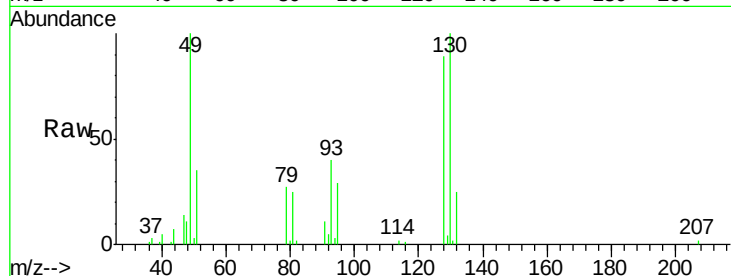
Ion Ratio Lower Upper

128 100

49 111.9 92.1 171.1

130 111.4 87.8 163.0

51 38.7 33.6 50.4

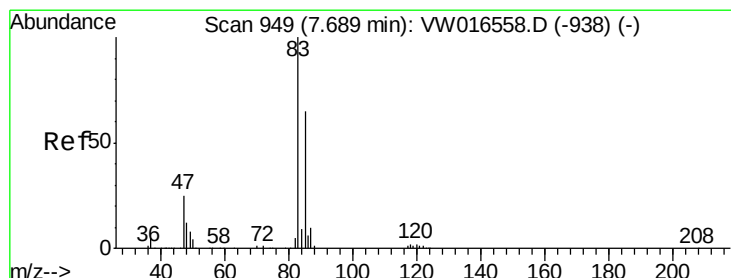
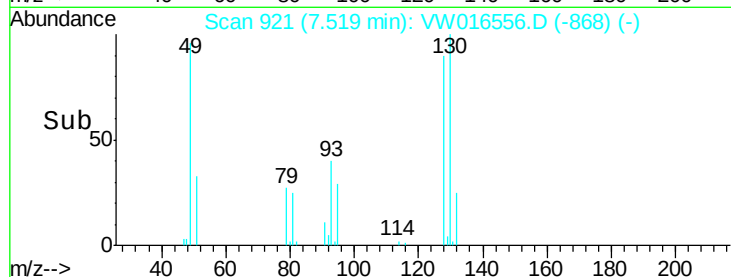
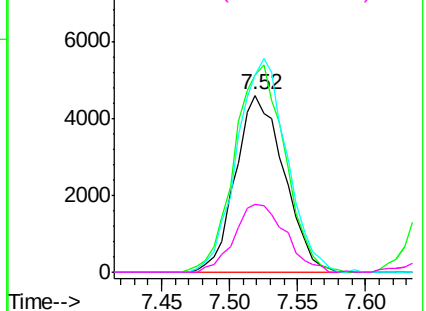


Abundance Ion 128.00 (127.70 to 128.70): V

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: 2.588 ug/L

RT: 7.68 min Scan# 948

Delta R.T. -0.01 min

Lab File: VW016556.D

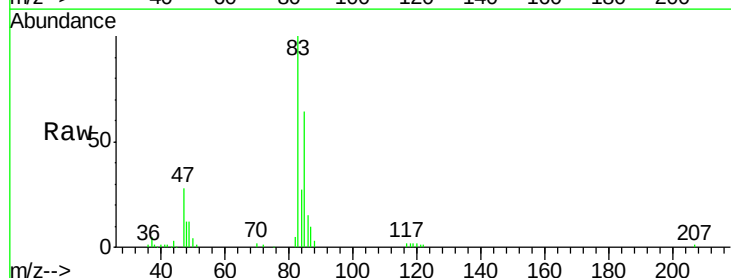
Acq: 15 Sep 2020 13:54

Tgt Ion: 83 Resp: 38546

Ion Ratio Lower Upper

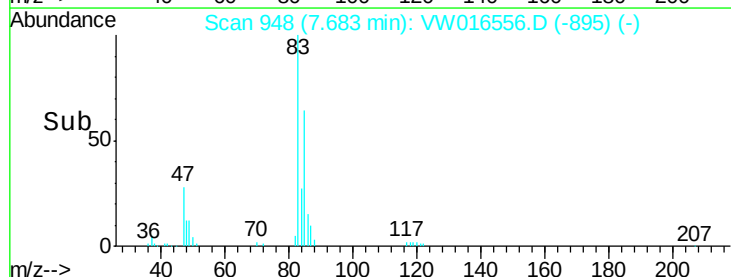
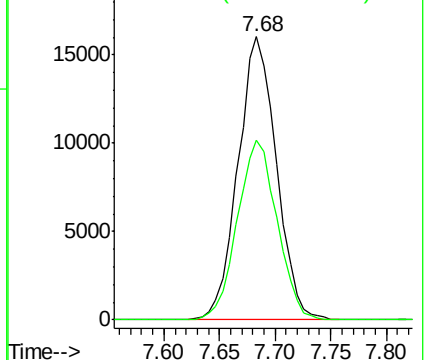
83 100

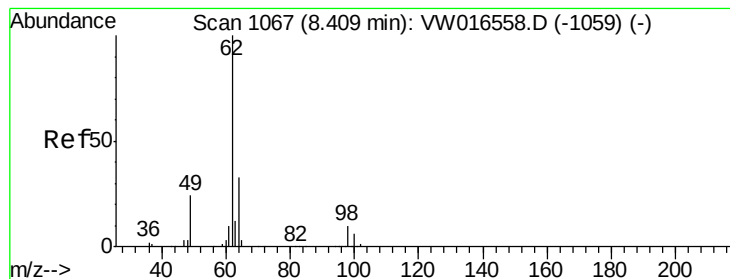
85 65.5 46.1 85.5



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW





#27

1,2-Dichloroethane

Concen: 2.529 ug/L

RT: 8.41 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VW016556.D

Acq: 15 Sep 2020 13:54

Instrument :

MSVOA_W

ClientSampled :

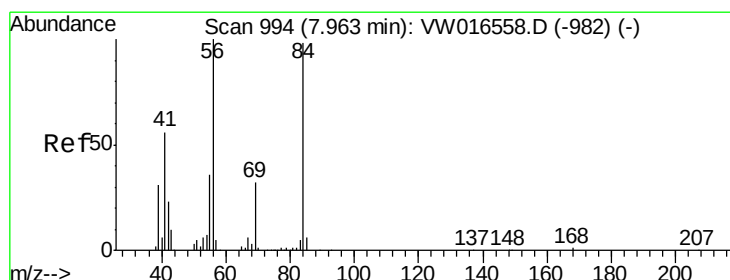
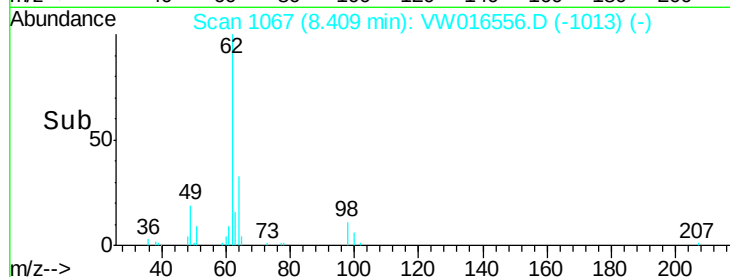
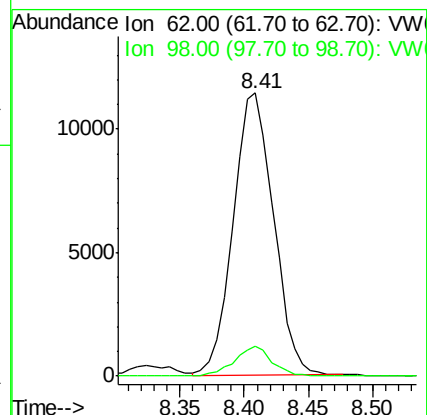
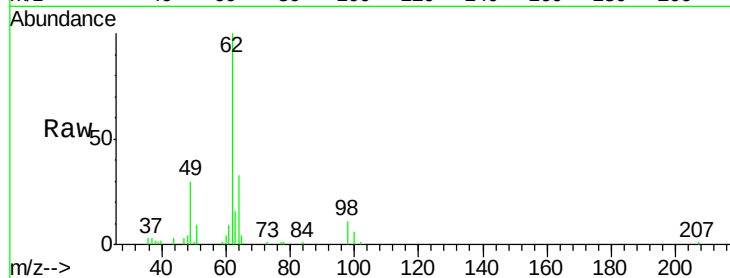
VSTD2.504

Tgt Ion: 62 Resp: 24877

Ion Ratio Lower Upper

62 100

98 10.6 7.9 11.9



#30

Cyclohexane

Concen: 2.564 ug/L

RT: 7.96 min Scan# 994

Delta R.T. 0.00 min

Lab File: VW016556.D

Acq: 15 Sep 2020 13:54

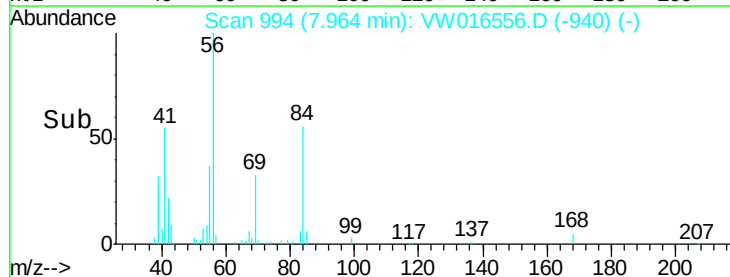
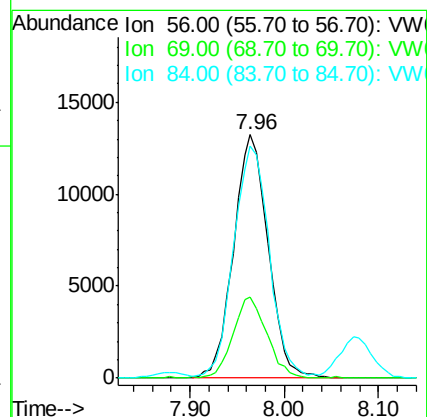
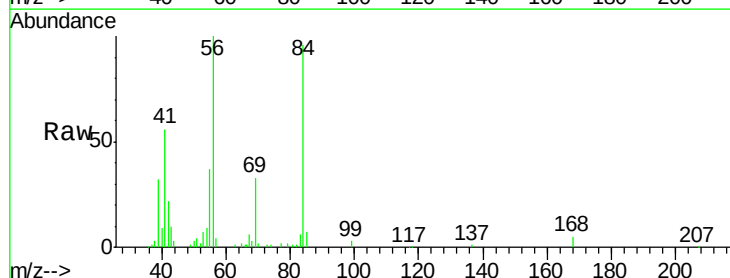
Tgt Ion: 56 Resp: 33888

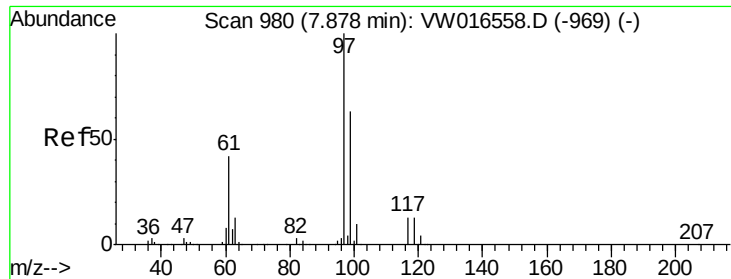
Ion Ratio Lower Upper

56 100

69 32.7 26.5 39.7

84 98.7 79.0 118.6





#31

1,1,1-Trichloroethane

Concen: 2.852 ug/L

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW016556.D

Acq: 15 Sep 2020 13:54

Instrument :

MSVOA_W

ClientSampled :

VSTD2.504

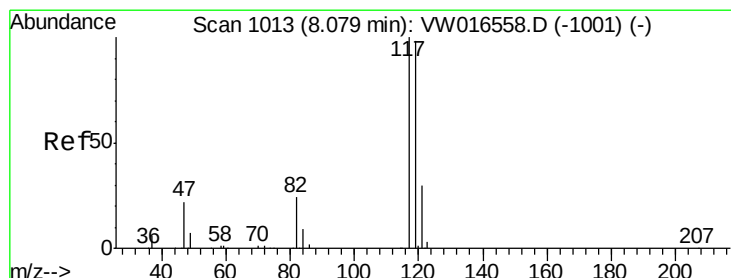
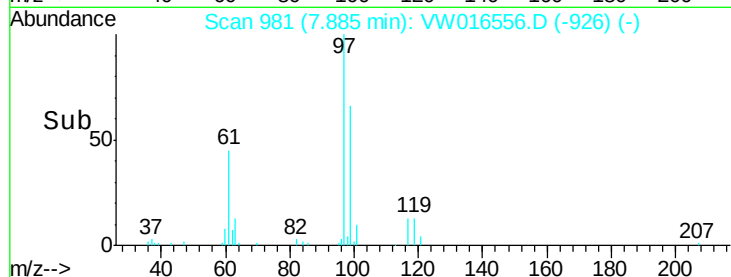
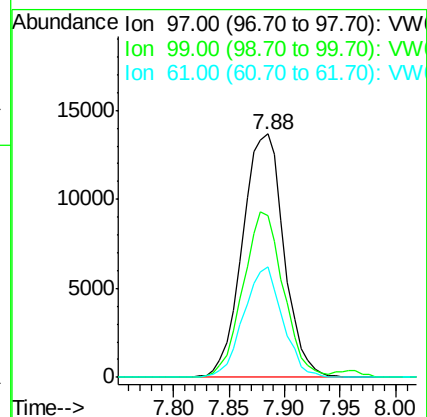
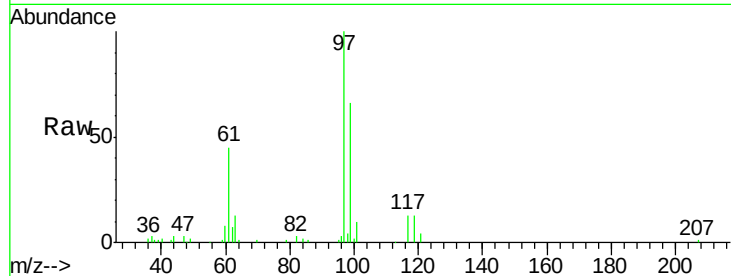
Tgt Ion: 97 Resp: 35394

Ion Ratio Lower Upper

97 100

99 66.2 51.8 77.6

61 42.6 33.6 50.4



#32

Carbon tetrachloride

Concen: 2.906 ug/L

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW016556.D

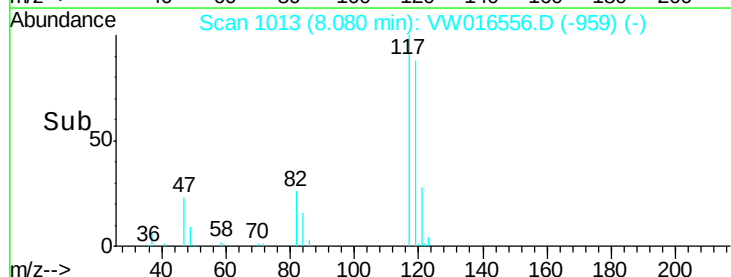
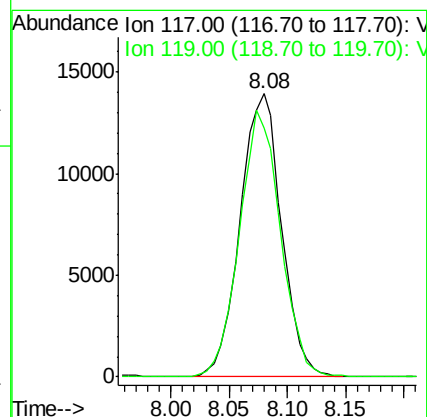
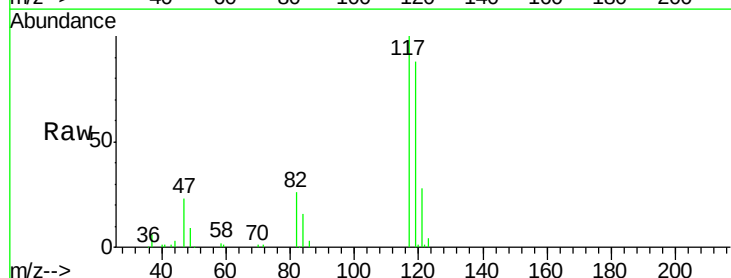
Acq: 15 Sep 2020 13:54

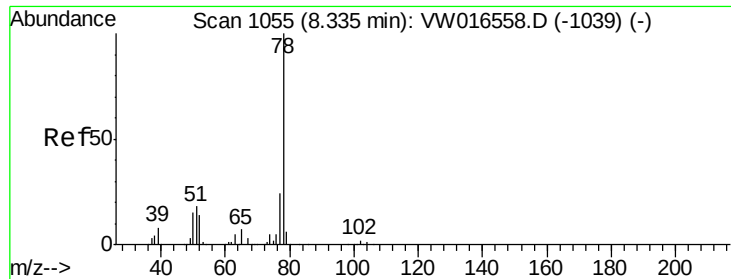
Tgt Ion: 117 Resp: 34369

Ion Ratio Lower Upper

117 100

119 93.6 78.2 117.4





#34

Benzene

Concen: 2.722 ug/L

RT: 8.33 min Scan# 1054

Delta R.T. -0.01 min

Lab File: VW016556.D

Acq: 15 Sep 2020 13:54

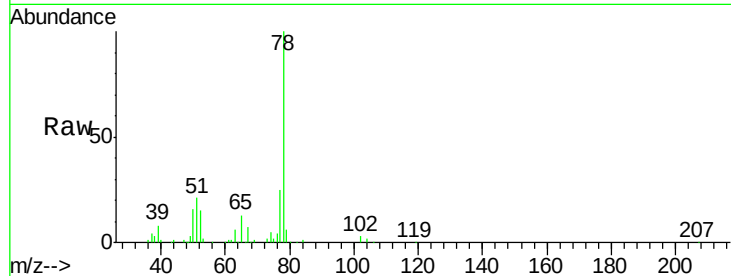
Instrument :

MSVOA_W

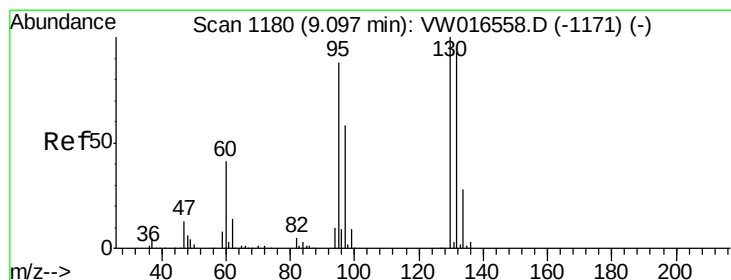
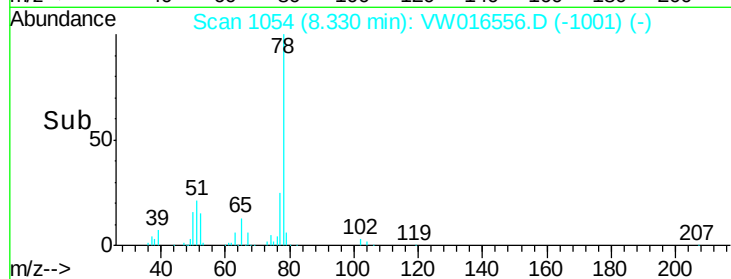
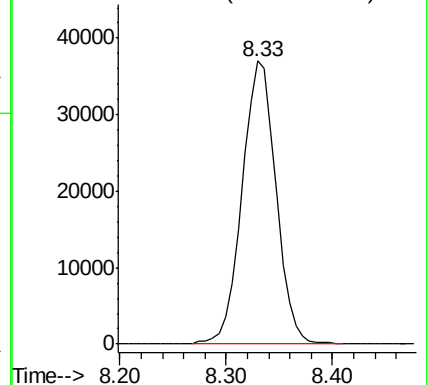
ClientSampleId :

VSTD2.504

Tgt Ion: 78 Resp: 83105



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 2.785 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VW016556.D

Acq: 15 Sep 2020 13:54

Tgt Ion: 95 Resp: 23794

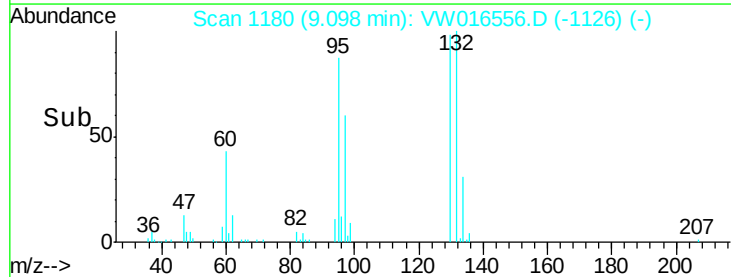
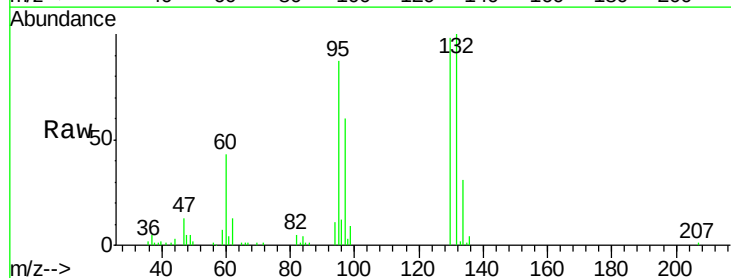
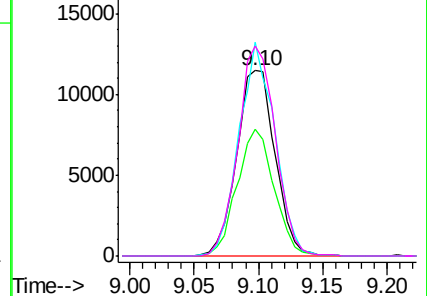
Ion	Ratio	Lower	Upper
95	100		
97	66.0	45.2	84.0
132	107.0	73.3	136.1
130	110.3	77.5	143.9

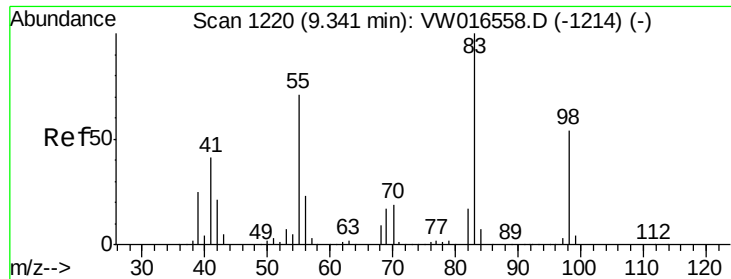
Abundance Ion 95.00 (94.70 to 95.70): VW

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

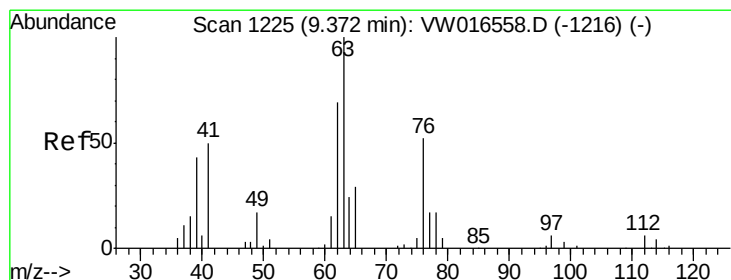
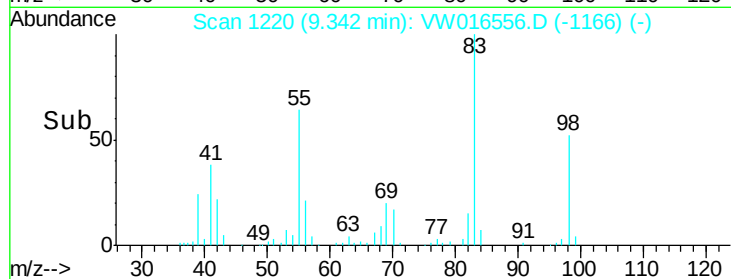
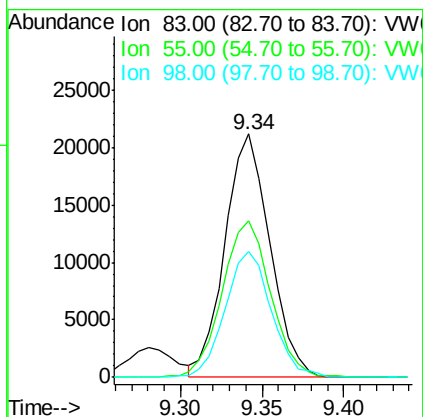
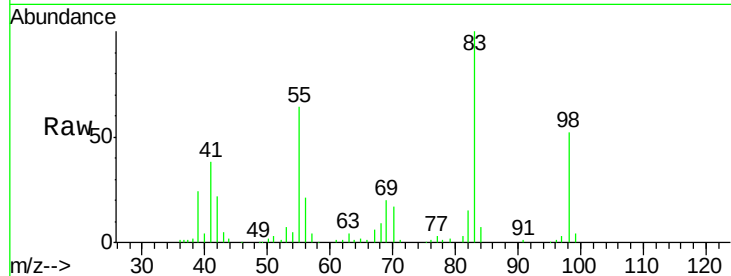




#36
Methylcyclohexane
Concen: 2.733 ug/L
RT: 9.34 min Scan# 1220
Delta R.T. 0.00 min
Lab File: VW016556.D
Acq: 15 Sep 2020 13:54

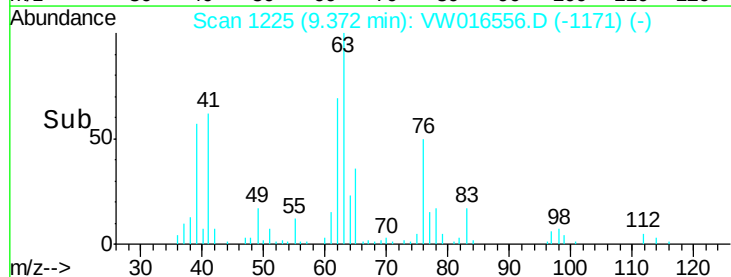
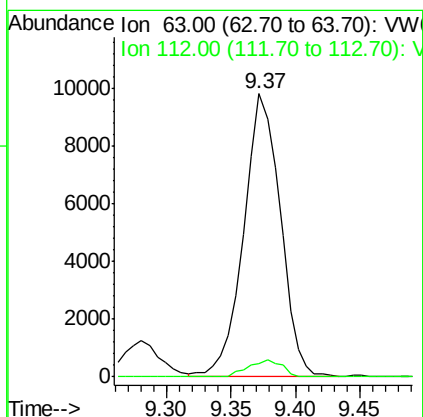
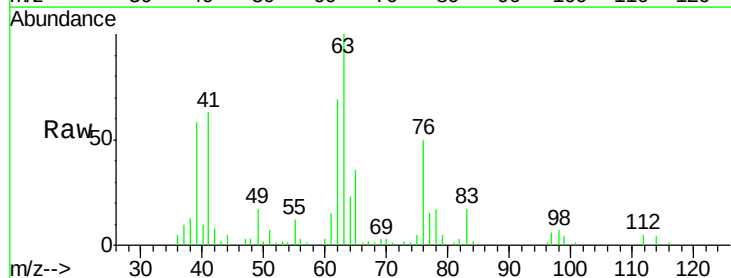
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.504

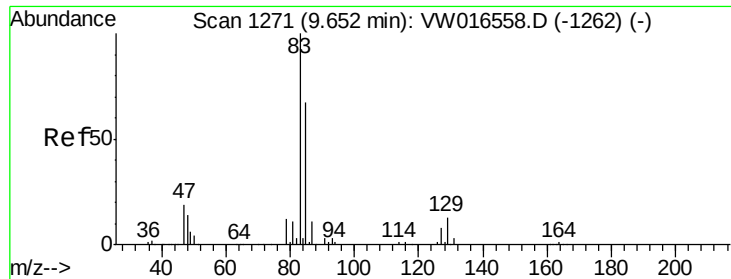
Tgt Ion: 83 Resp: 40676
Ion Ratio Lower Upper
83 100
55 68.3 55.9 83.9
98 53.2 42.1 63.1



#40
1,2-Dichloropropane
Concen: 2.607 ug/L
RT: 9.37 min Scan# 1225
Delta R.T. 0.00 min
Lab File: VW016556.D
Acq: 15 Sep 2020 13:54

Tgt Ion: 63 Resp: 19450
Ion Ratio Lower Upper
63 100
112 5.4 4.5 6.7

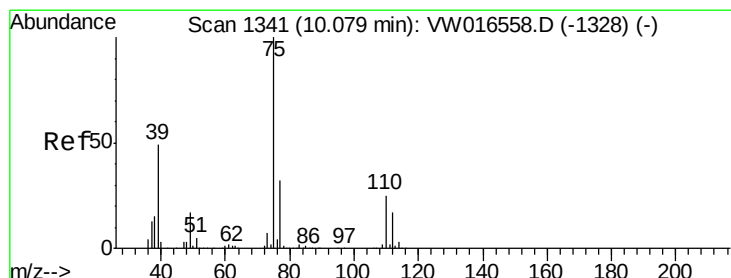
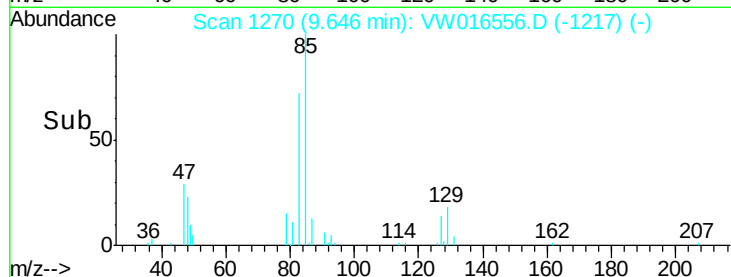
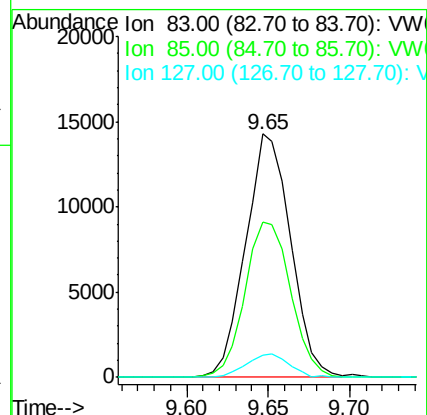
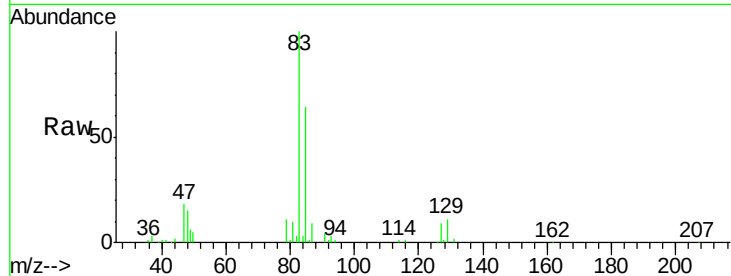




#41
 Bromodichloromethane
 Concen: 2.605 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.01 min
 Lab File: VW016556.D
 Acq: 15 Sep 2020 13:54

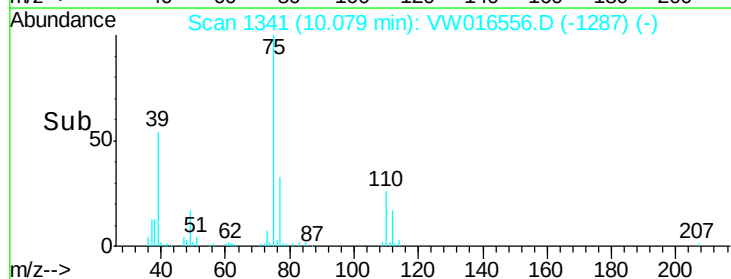
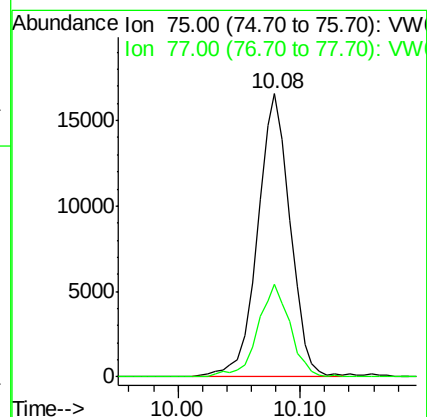
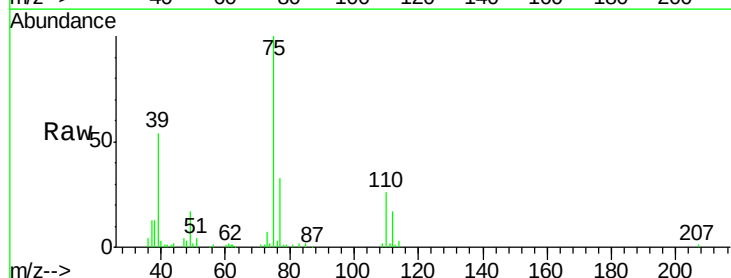
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.504

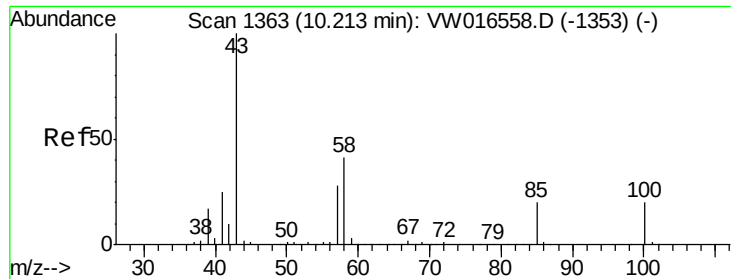
Tgt Ion: 83 Resp: 27485
 Ion Ratio Lower Upper
 83 100
 85 63.6 46.8 86.8
 127 8.9 6.8 10.2



#42
 cis-1,3-Dichloropropene
 Concen: 2.412 ug/L
 RT: 10.08 min Scan# 1341
 Delta R.T. 0.00 min
 Lab File: VW016556.D
 Acq: 15 Sep 2020 13:54

Tgt Ion: 75 Resp: 30691
 Ion Ratio Lower Upper
 75 100
 77 32.7 22.2 41.2

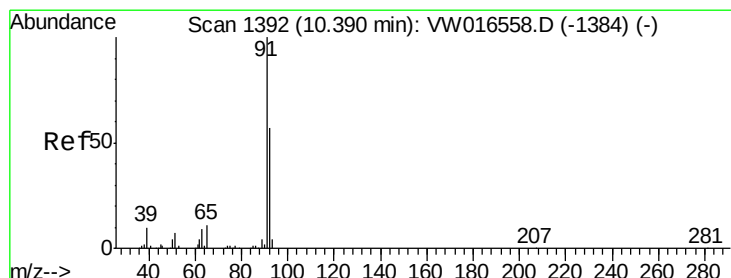
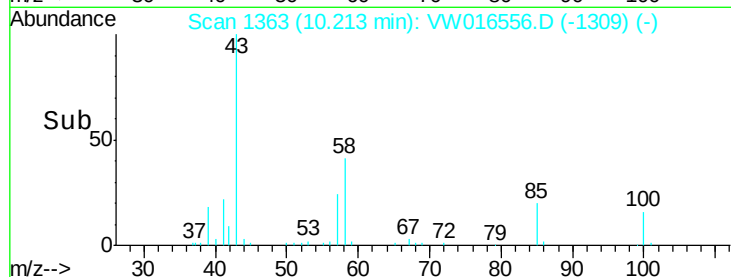
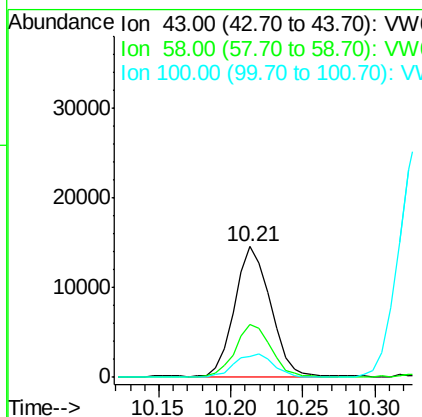
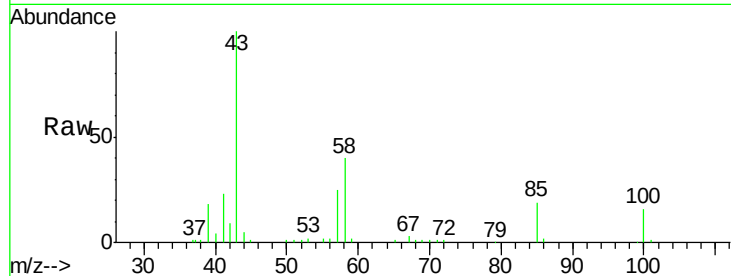




#43
 4-Methyl-2-pentanone
 Concen: 4.909 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW016556.D
 Acq: 15 Sep 2020 13:54

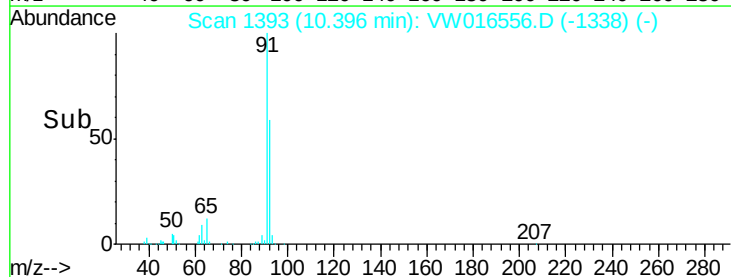
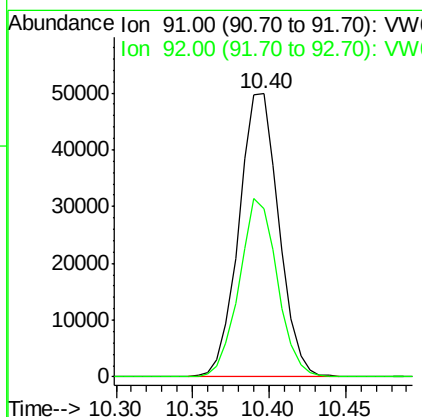
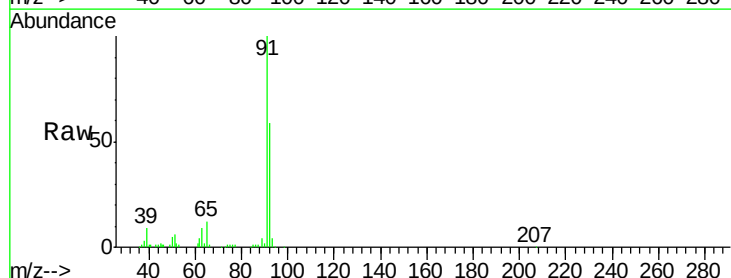
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.504

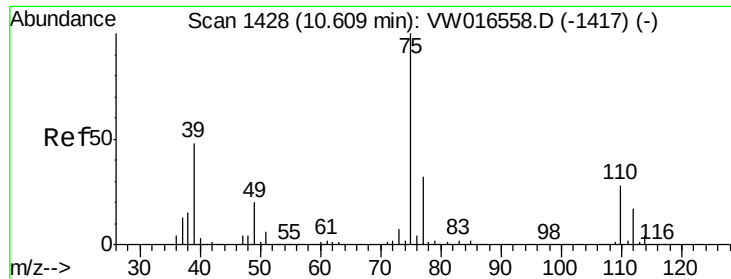
Tgt Ion: 43 Resp: 25385
 Ion Ratio Lower Upper
 43 100
 58 40.7 32.2 48.4
 100 19.4 15.8 23.6



#44
 Toluene
 Concen: 2.651 ug/L
 RT: 10.40 min Scan# 1393
 Delta R.T. 0.01 min
 Lab File: VW016556.D
 Acq: 15 Sep 2020 13:54

Tgt Ion: 91 Resp: 90564
 Ion Ratio Lower Upper
 91 100
 92 59.5 39.6 73.6

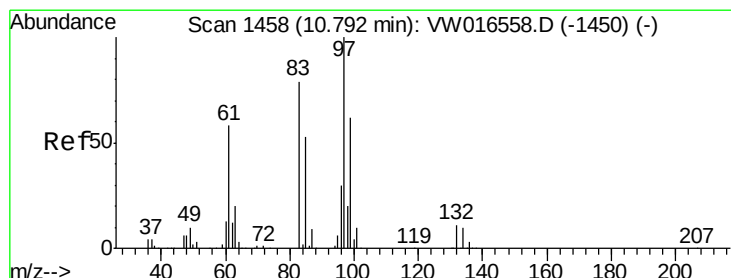
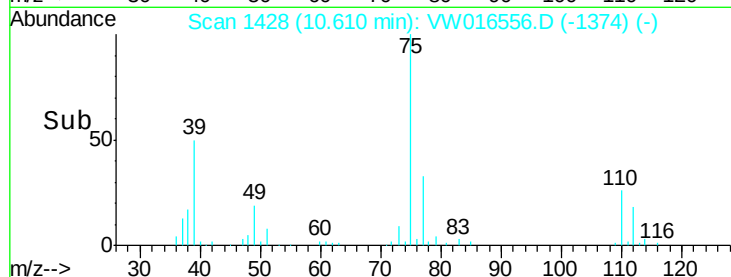
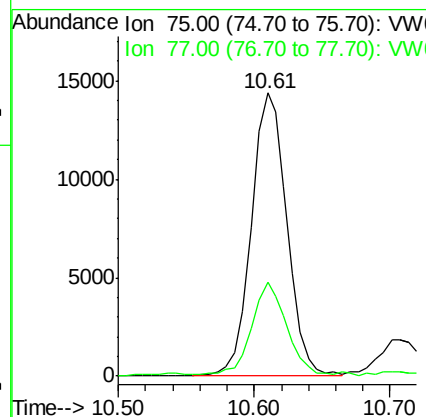
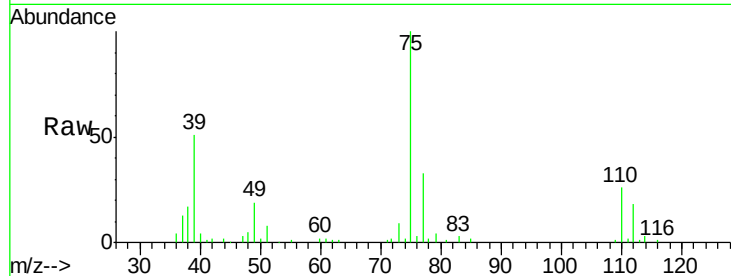




#45
trans-1,3-Dichloropropene
Concen: 2.330 ug/L
RT: 10.61 min Scan# 1428
Delta R.T. 0.00 min
Lab File: VW016556.D
Acq: 15 Sep 2020 13:54

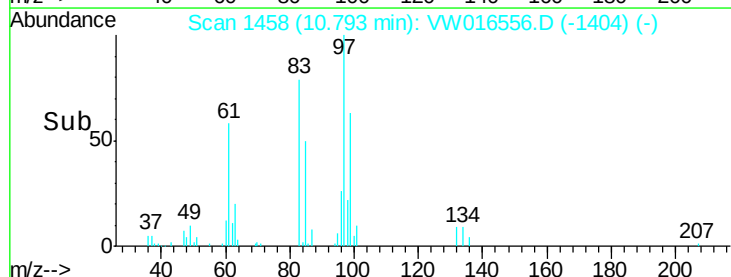
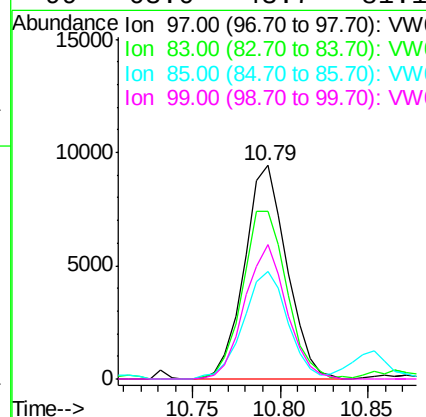
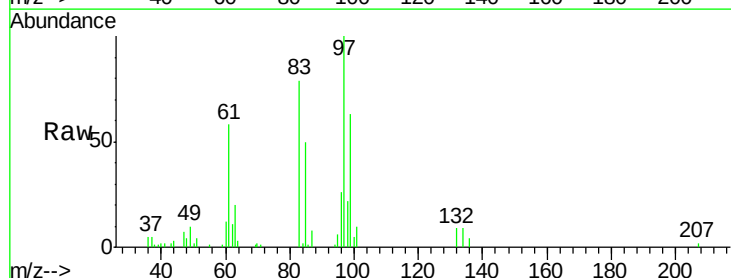
Instrument :
MSVOA_W
ClientSampled :
VSTD2.504

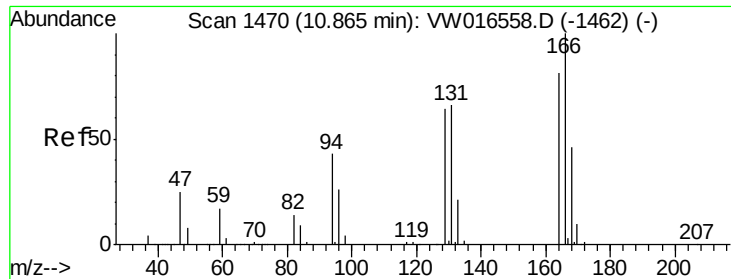
Tgt Ion: 75 Resp: 26323
Ion Ratio Lower Upper
75 100
77 33.0 22.5 41.9



#46
1,1,2-Trichloroethane
Concen: 2.655 ug/L
RT: 10.79 min Scan# 1458
Delta R.T. 0.00 min
Lab File: VW016556.D
Acq: 15 Sep 2020 13:54

Tgt Ion: 97 Resp: 15892
Ion Ratio Lower Upper
97 100
83 78.6 55.7 103.5
85 50.4 36.8 68.4
99 63.0 43.7 81.1





#47

Tetrachloroethene

Concen: 3.058 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW016556.D

Acq: 15 Sep 2020 13:54

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.504

Tgt Ion:164 Resp: 21556

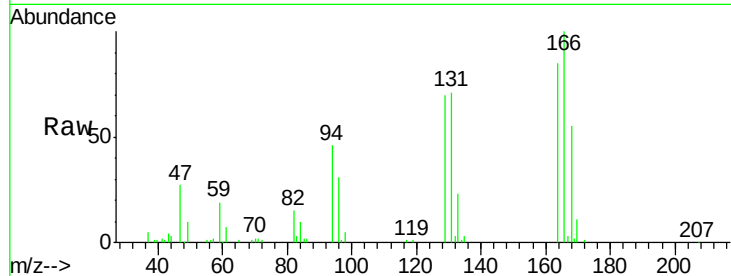
Ion Ratio Lower Upper

164 100

129 82.9 55.6 103.2

131 83.9 57.2 106.2

166 117.8 86.5 160.6

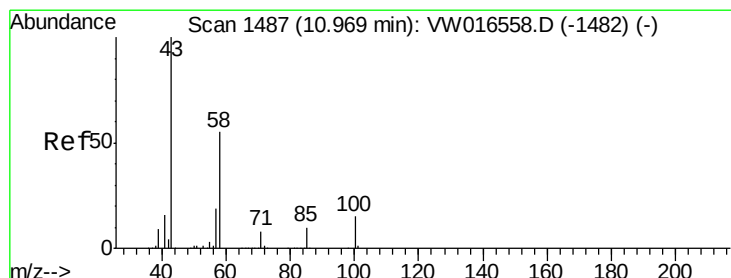
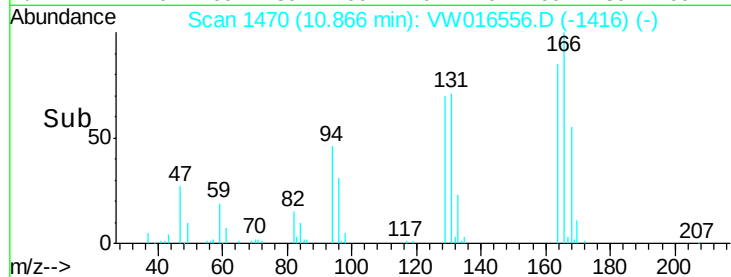
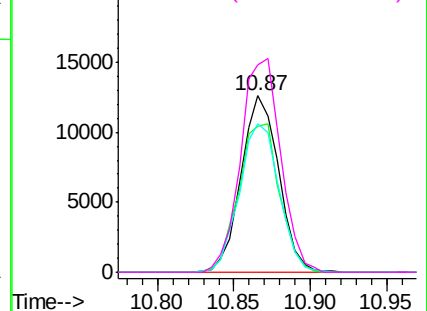


Abundance Ion 164.00 (163.70 to 164.70): V

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: 4.061 ug/L

RT: 10.98 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VW016556.D

Acq: 15 Sep 2020 13:54

Tgt Ion: 43 Resp: 14566

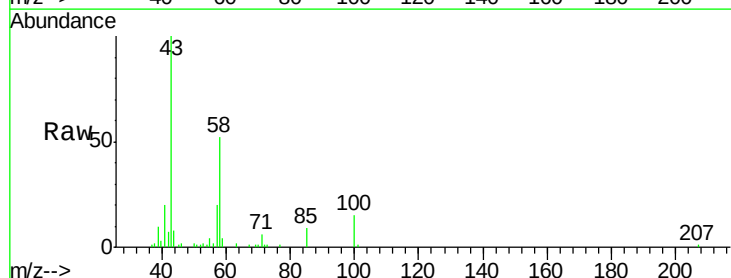
Ion Ratio Lower Upper

43 100

58 53.5 44.2 66.2

57 19.3 16.3 24.5

100 14.7 12.4 18.6

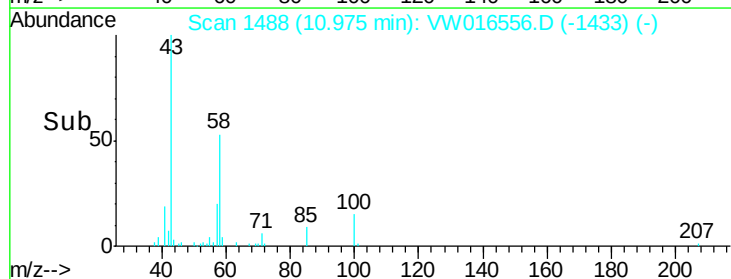
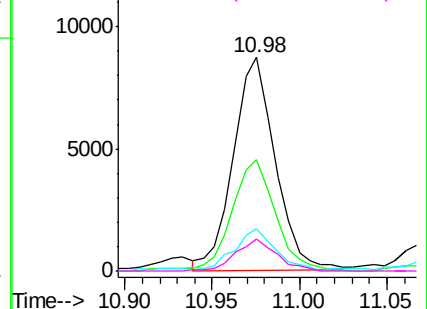


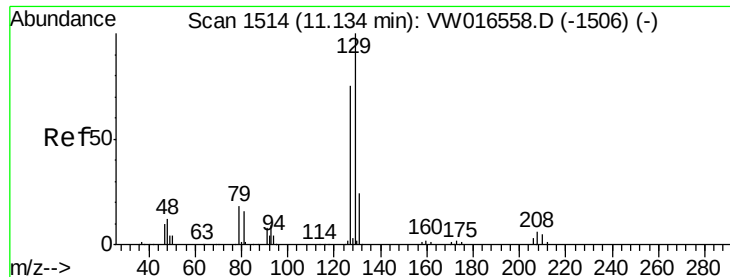
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 58.00 (57.70 to 58.70): VV

Ion 57.00 (56.70 to 57.70): VV

Ion 100.00 (99.70 to 100.70): VV





#50

Dibromochloromethane

Concen: 2.552 ug/L

RT: 11.13 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VW016556.D

Acq: 15 Sep 2020 13:54

Instrument :

MSVOA_W

ClientSampleId :

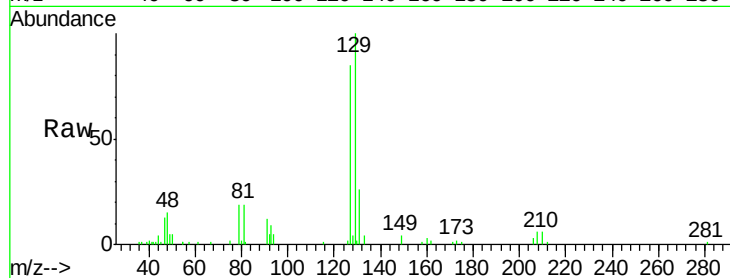
VSTD2.504

Tgt Ion:129 Resp: 19495

Ion Ratio Lower Upper

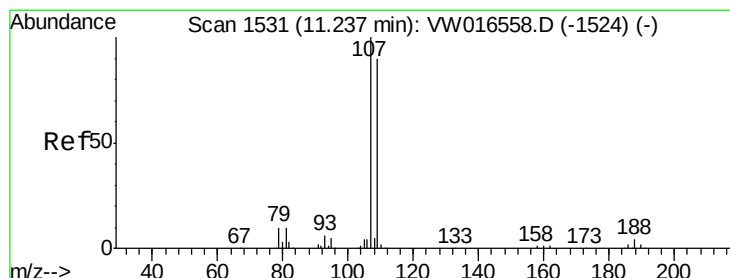
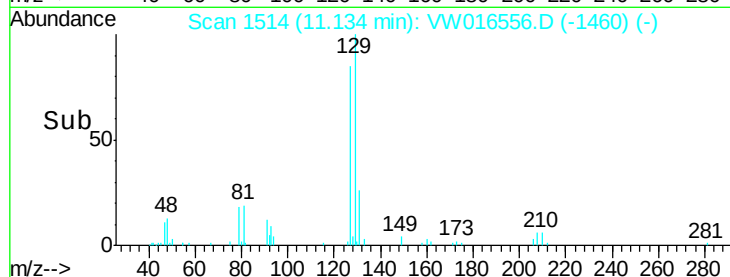
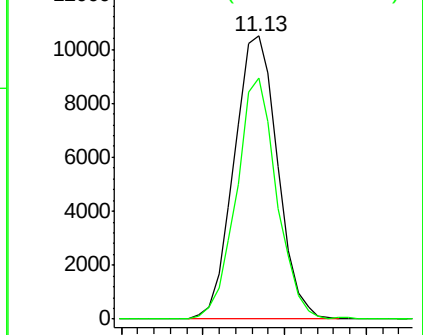
129 100

127 85.2 52.4 97.4



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#51

1,2-Dibromoethane

Concen: 2.555 ug/L

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW016556.D

Acq: 15 Sep 2020 13:54

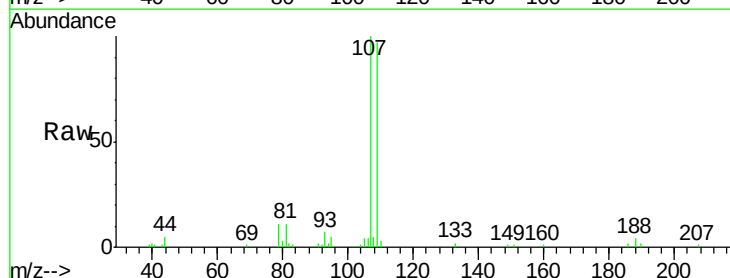
Tgt Ion:107 Resp: 15283

Ion Ratio Lower Upper

107 100

109 96.5 63.0 117.0

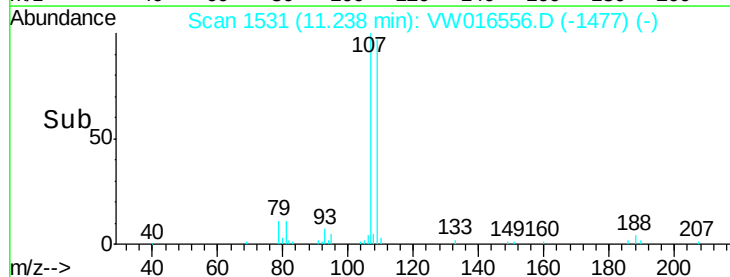
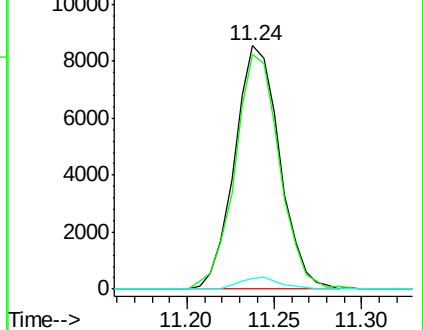
188 4.5 3.1 4.7

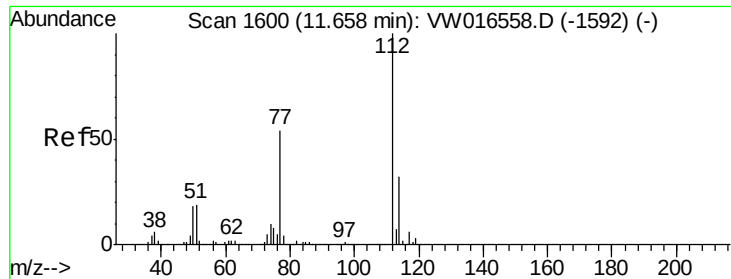


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V

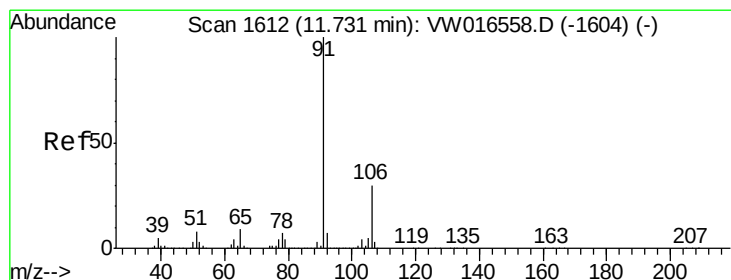
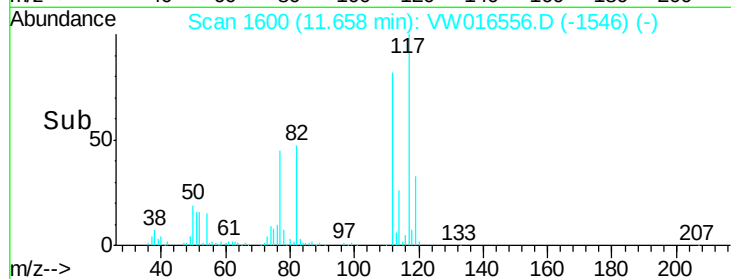
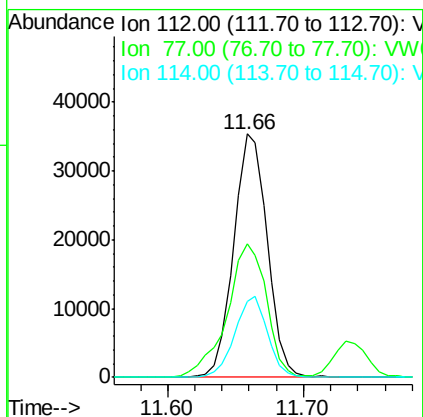
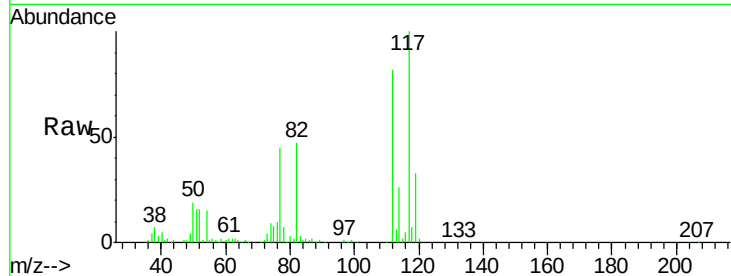




#52
Chlorobenzene
Concen: 2.773 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW016556.D
Acq: 15 Sep 2020 13:54

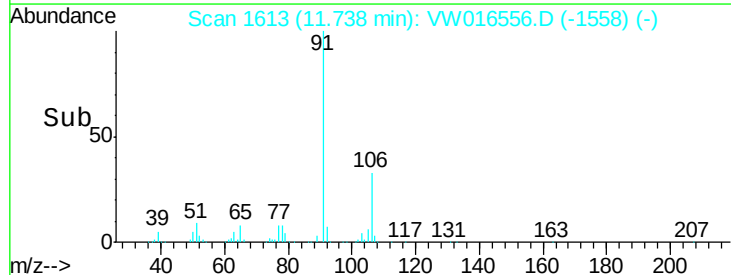
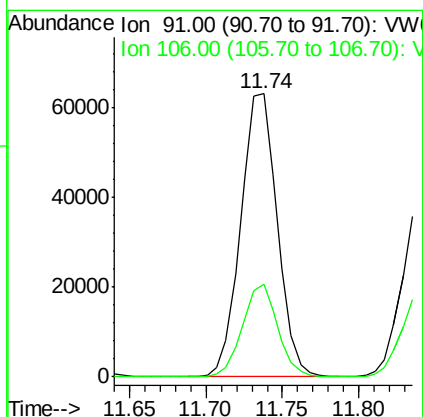
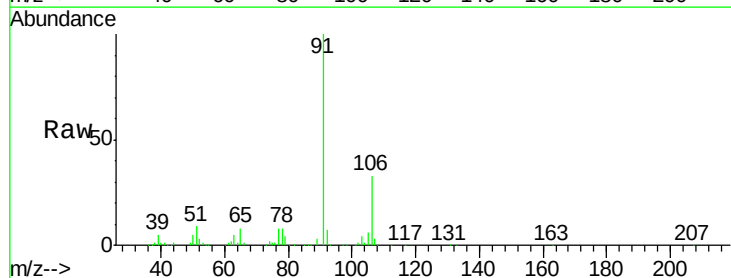
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.504

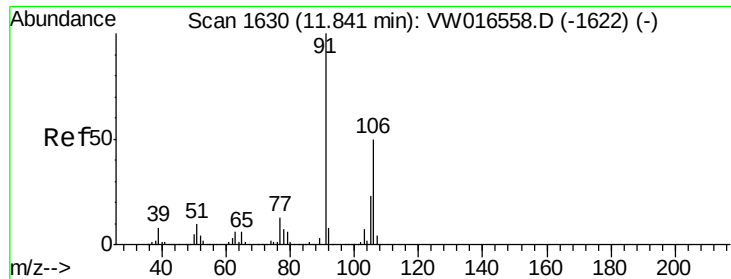
Tgt Ion: 112 Resp: 60869
Ion Ratio Lower Upper
112 100
77 54.7 43.1 64.7
114 31.0 22.3 41.3



#53
Ethylbenzene
Concen: 2.718 ug/L
RT: 11.74 min Scan# 1613
Delta R.T. 0.01 min
Lab File: VW016556.D
Acq: 15 Sep 2020 13:54

Tgt Ion: 91 Resp: 104904
Ion Ratio Lower Upper
91 100
106 32.8 20.7 38.5





#54

m,p-Xylene

Concen: 2.729 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW016556.D

Acq: 15 Sep 2020 13:54

Instrument :

MSVOA_W

ClientSampled :

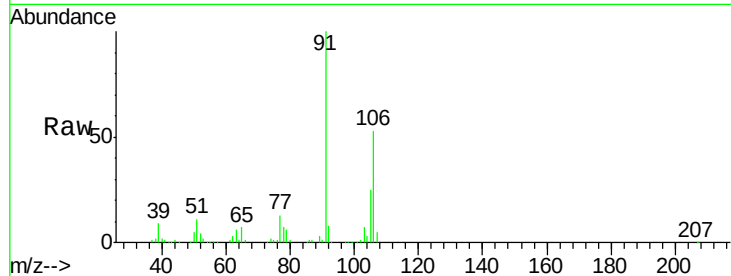
VSTD2.504

Tgt Ion:106 Resp: 40535

Ion Ratio Lower Upper

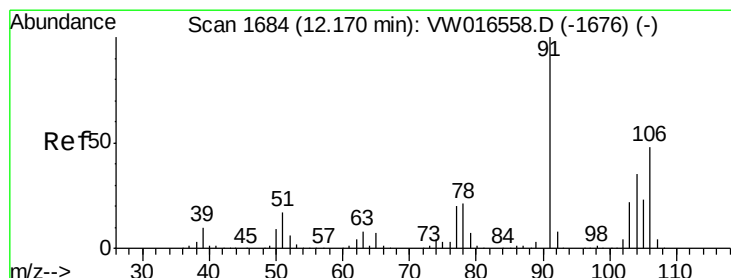
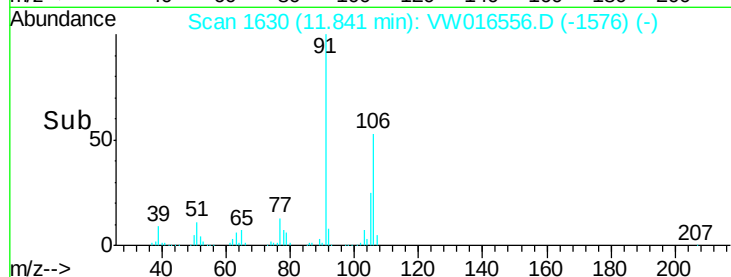
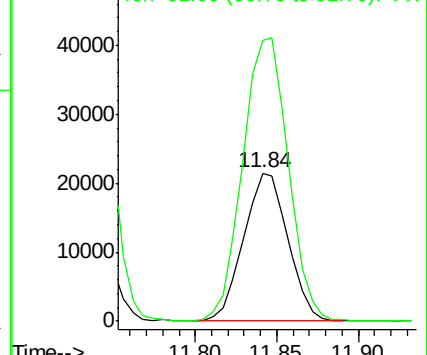
106 100

91 190.0 139.7 259.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 2.758 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VW016556.D

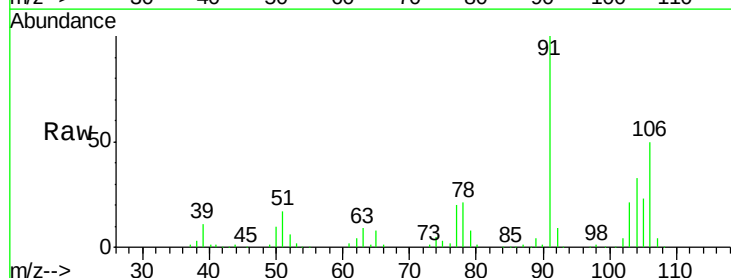
Acq: 15 Sep 2020 13:54

Tgt Ion:106 Resp: 39025

Ion Ratio Lower Upper

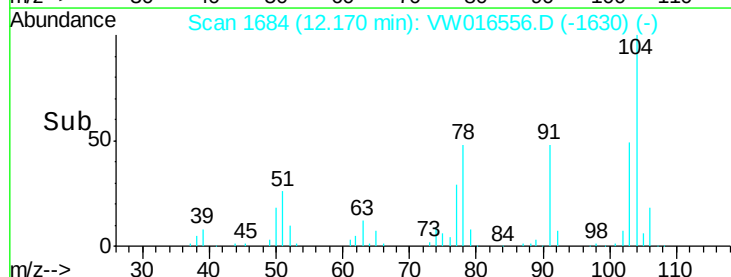
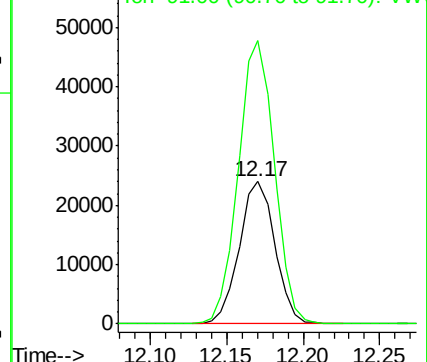
106 100

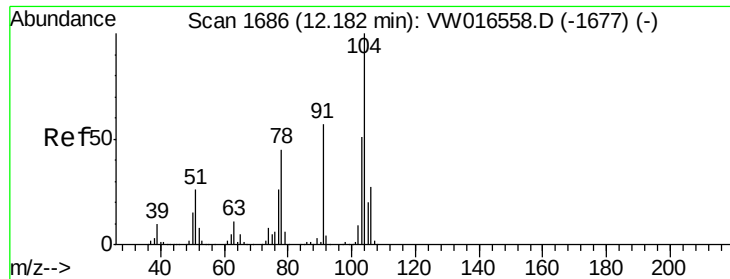
91 198.9 144.8 268.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#56

Styrene

Concen: 2.550 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW016556.D

Acq: 15 Sep 2020 13:54

Instrument :

MSVOA_W

ClientSampleId :

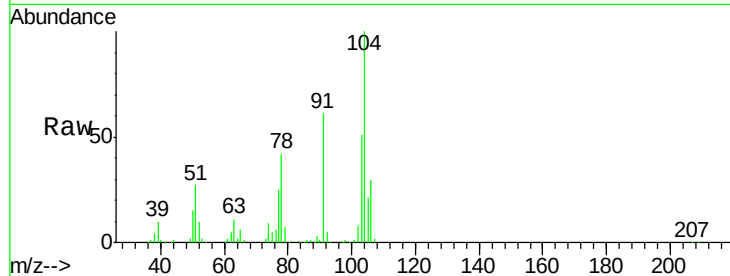
VSTD2.504

Tgt Ion:104 Resp: 61652

Ion Ratio Lower Upper

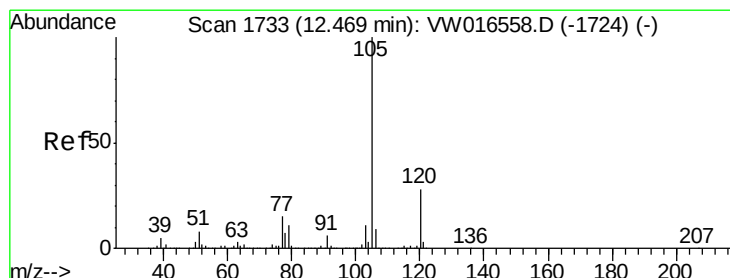
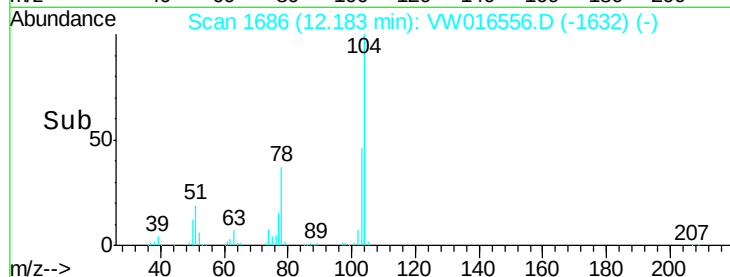
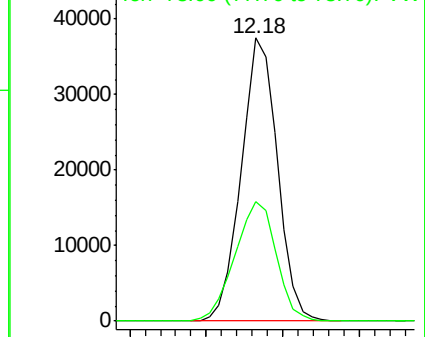
104 100

78 42.2 31.4 58.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW



#57

Isopropylbenzene

Concen: 2.768 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW016556.D

Acq: 15 Sep 2020 13:54

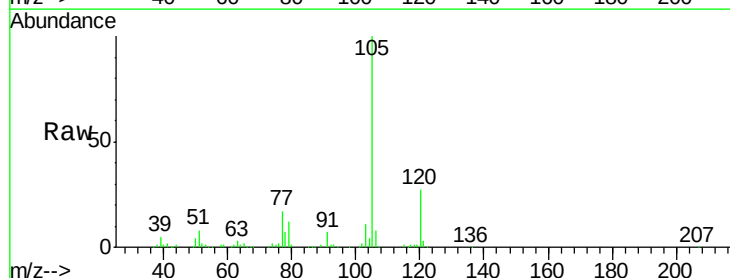
Tgt Ion:105 Resp: 107636

Ion Ratio Lower Upper

105 100

120 26.6 21.8 32.8

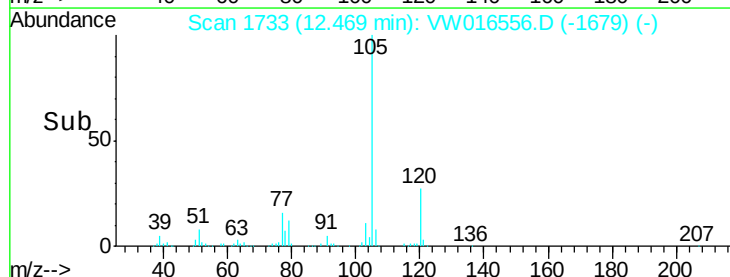
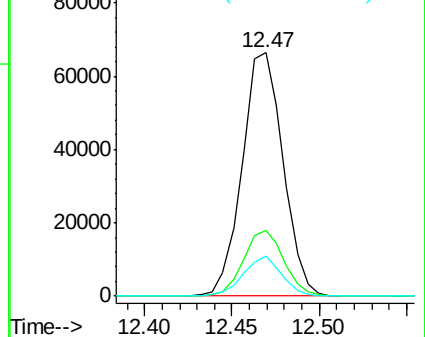
77 15.4 12.2 18.2

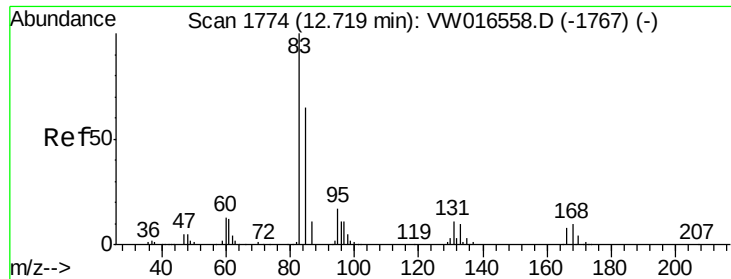


Abundance Ion 105.00 (104.70 to 105.70): V

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: 2.503 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW016556.D

Acq: 15 Sep 2020 13:54

Instrument :

MSVOA_W

ClientSampled :

VSTD2.504

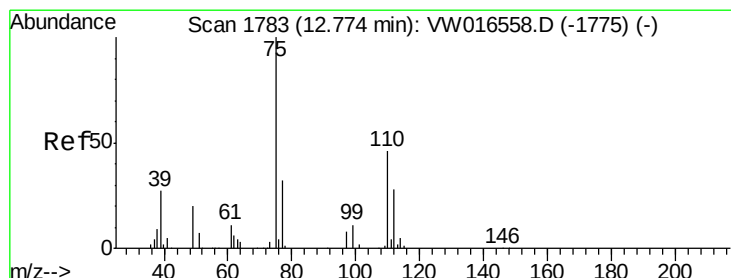
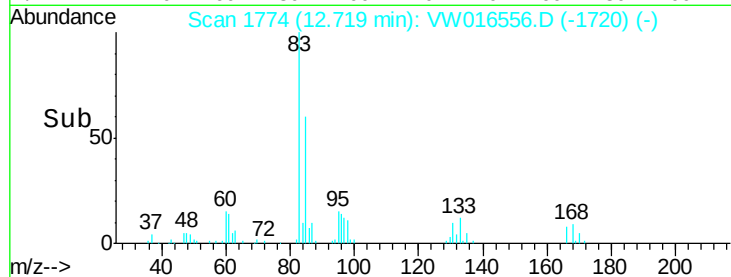
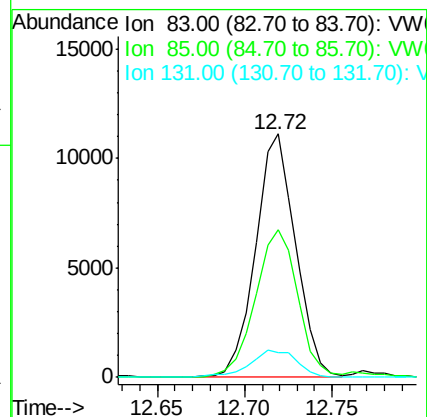
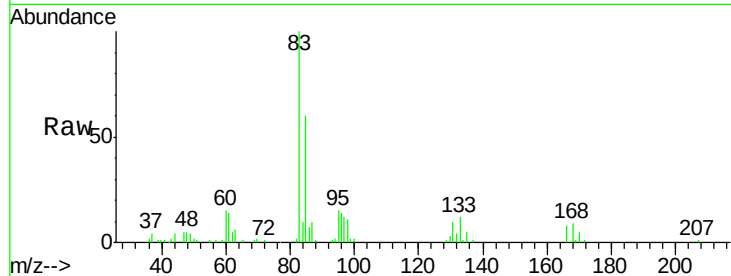
Tgt Ion: 83 Resp: 17726

Ion Ratio Lower Upper

83 100

85 60.4 46.0 85.4

131 14.3 9.0 13.6#



#59

1,2,3-Trichloropropane

Concen: 2.525 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW016556.D

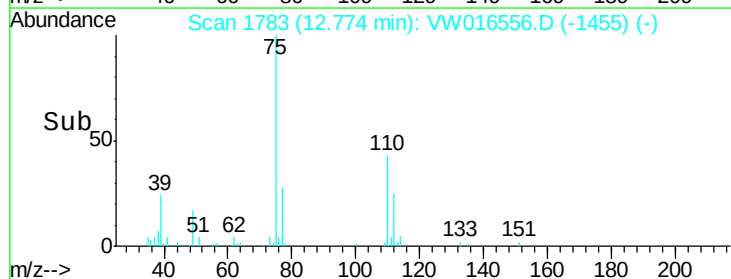
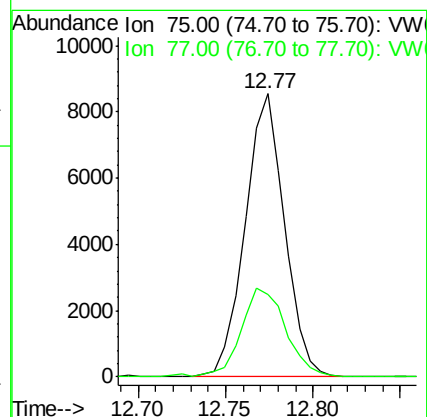
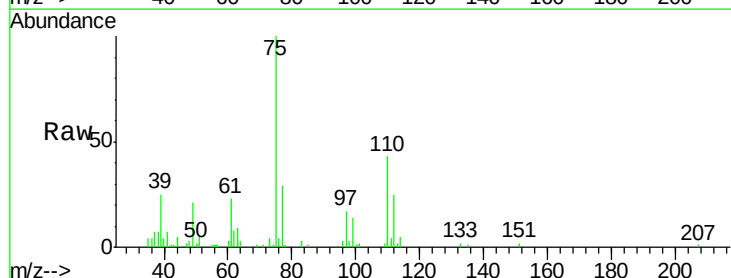
Acq: 15 Sep 2020 13:54

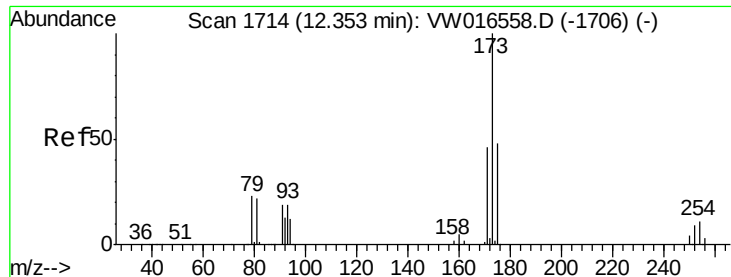
Tgt Ion: 75 Resp: 13360

Ion Ratio Lower Upper

75 100

77 35.4 26.2 39.4





#62

Bromoform

Concen: 2.484 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW016556.D

Acq: 15 Sep 2020 13:54

Instrument :

MSVOA_W

ClientSampled :

VSTD2.504

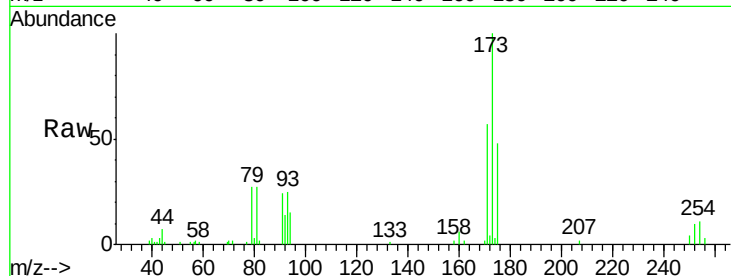
Tgt Ion:173 Resp: 11605

Ion Ratio Lower Upper

173 100

175 48.6 38.6 57.8

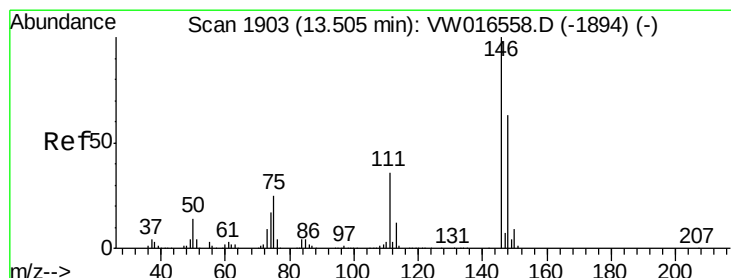
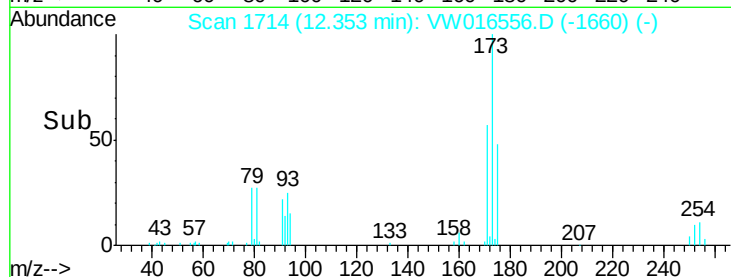
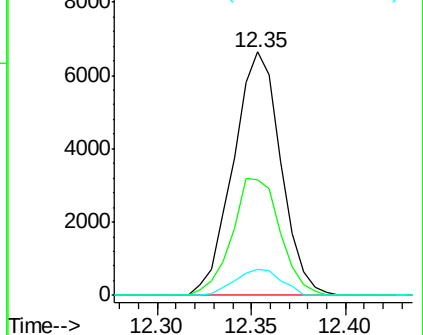
254 10.3 8.2 12.4



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: 2.744 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW016556.D

Acq: 15 Sep 2020 13:54

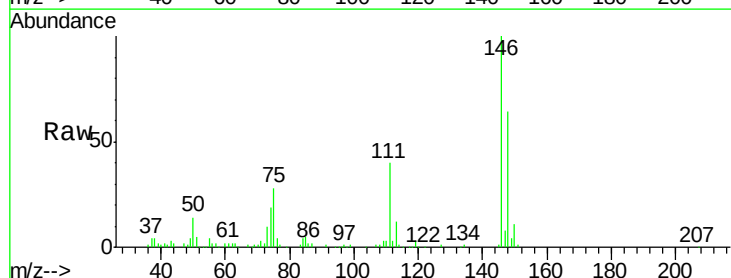
Tgt Ion:146 Resp: 48454

Ion Ratio Lower Upper

146 100

111 39.7 25.0 46.4

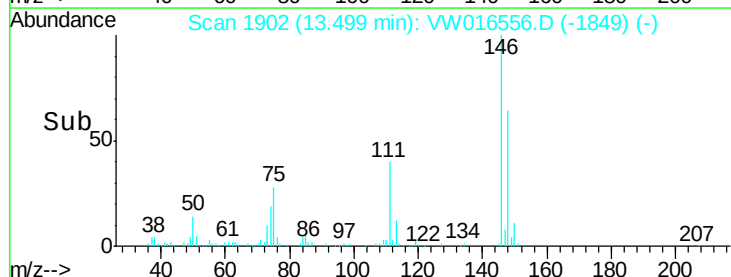
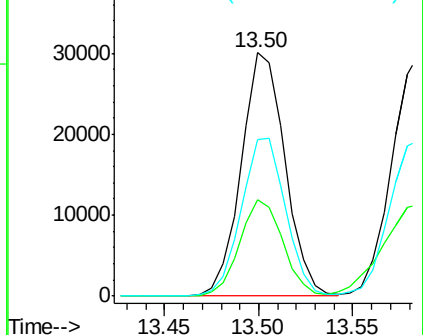
148 64.1 44.0 81.8

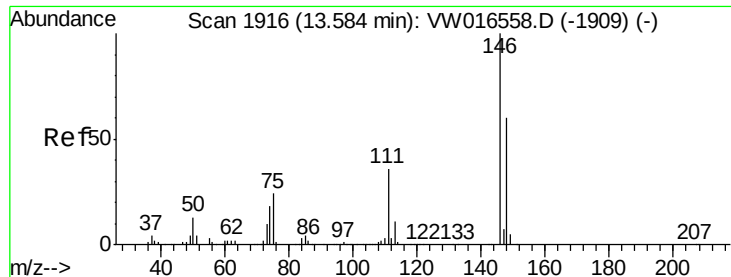


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

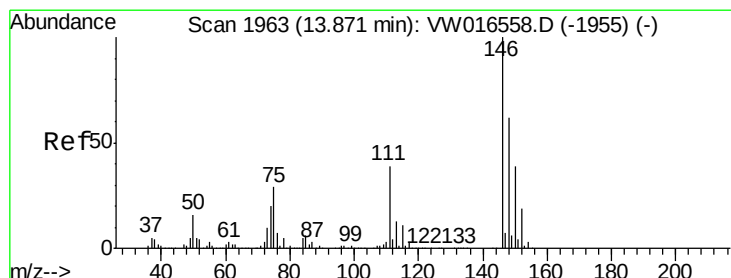
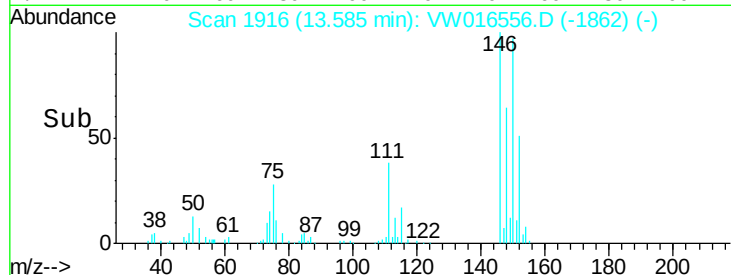
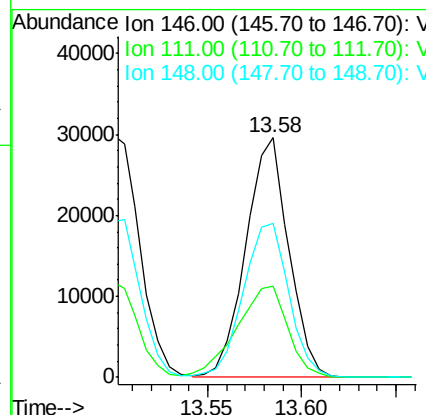
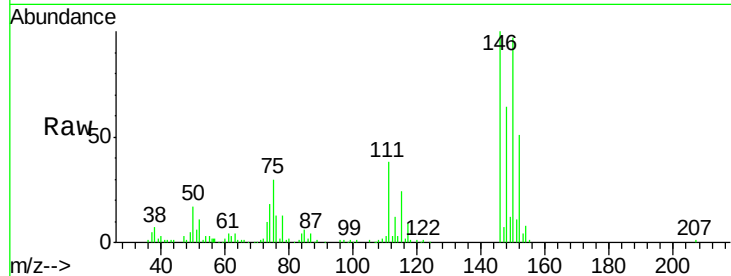




#64
 1,4-Dichlorobenzene
 Concen: 2.666 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW016556.D
 Acq: 15 Sep 2020 13:54

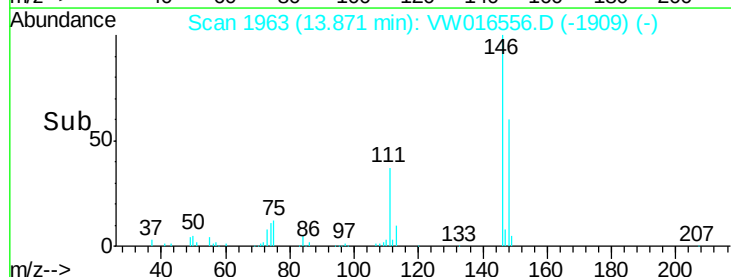
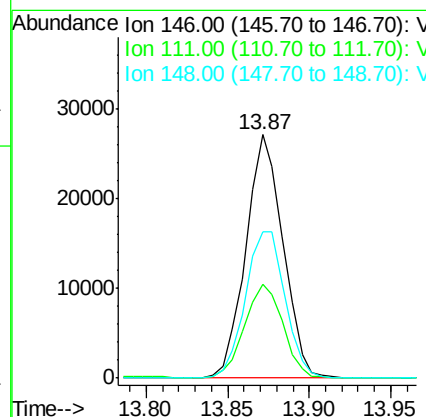
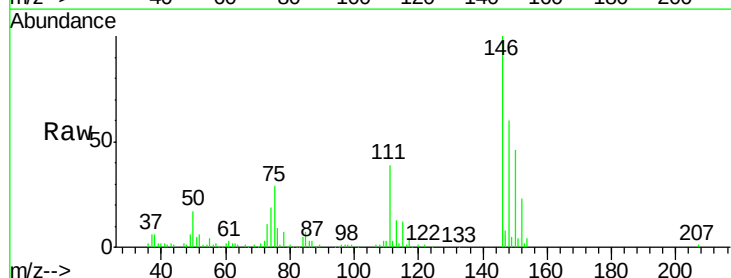
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD2.504

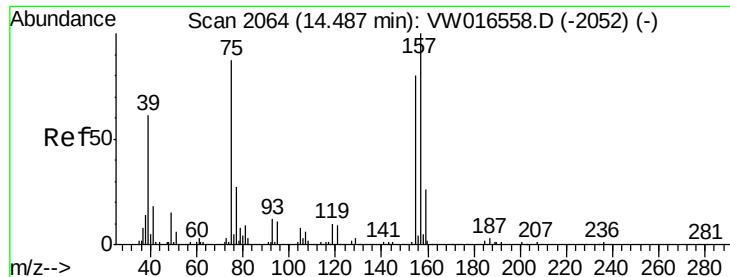
Tgt Ion:146 Resp: 46475
 Ion Ratio Lower Upper
 146 100
 111 38.3 25.1 46.5
 148 64.1 42.3 78.5



#65
 1,2-Dichlorobenzene
 Concen: 2.748 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW016556.D
 Acq: 15 Sep 2020 13:54

Tgt Ion:146 Resp: 43004
 Ion Ratio Lower Upper
 146 100
 111 38.6 31.4 47.0
 148 60.1 49.3 73.9





#66

1,2-Dibromo-3-chloropropane

Concen: 2.106 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW016556.D

Acq: 15 Sep 2020 13:54

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.504

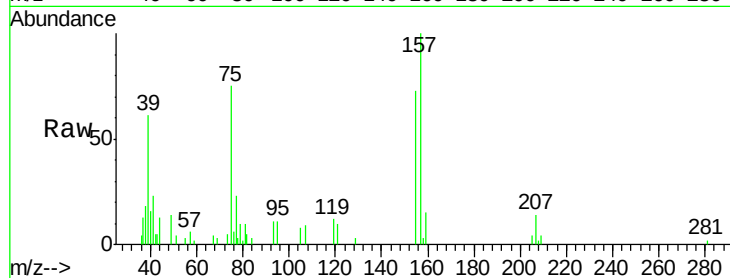
Tgt Ion: 75 Resp: 2962

Ion Ratio Lower Upper

75 100

157 133.8 92.2 138.4

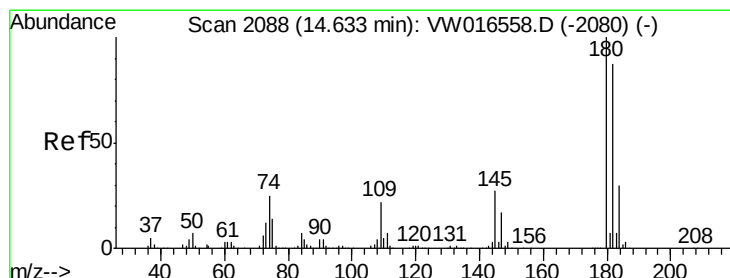
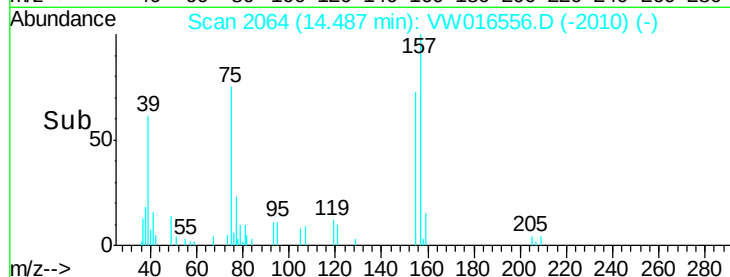
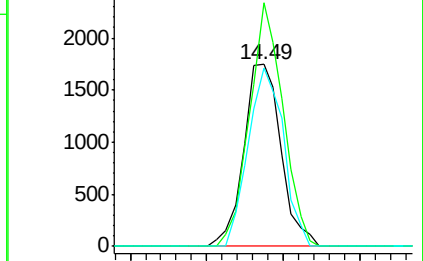
155 98.2 73.5 110.3



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V



#67

1,3,5-Trichlorobenzene

Concen: 2.826 ug/L

RT: 14.63 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VW016556.D

Acq: 15 Sep 2020 13:54

Tgt Ion: 180 Resp: 34992

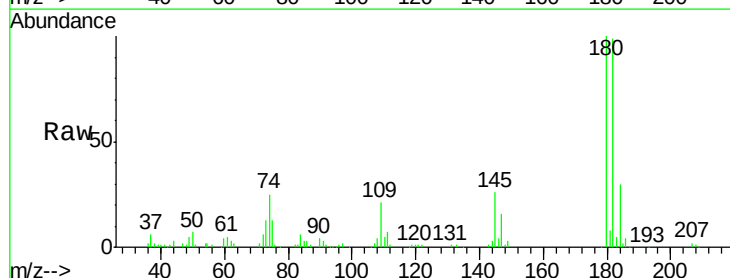
Ion Ratio Lower Upper

180 100

182 96.6 73.8 110.8

184 30.2 23.7 35.5

145 27.4 22.8 34.2

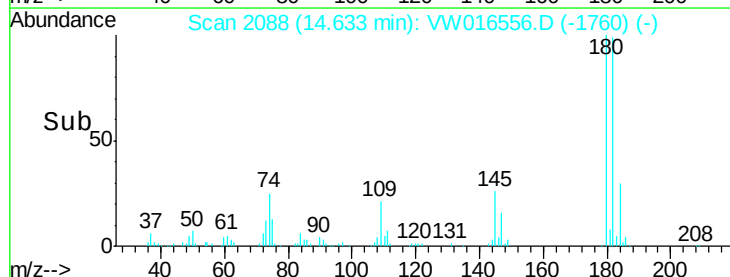
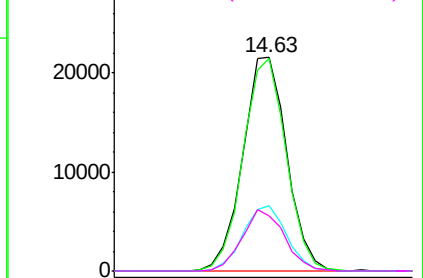


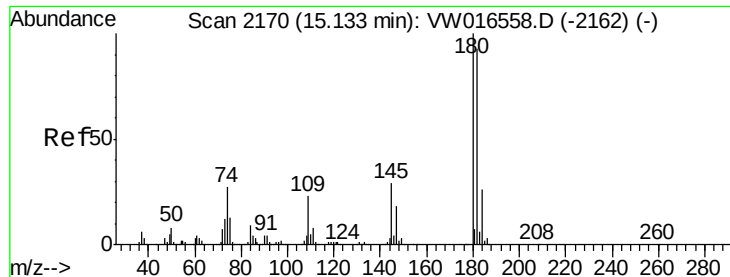
Abundance Ion 180.00 (179.70 to 180.70): V

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

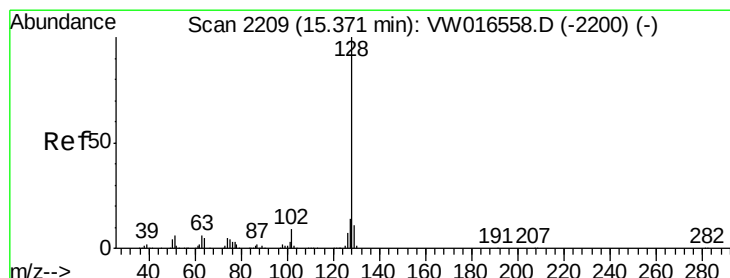
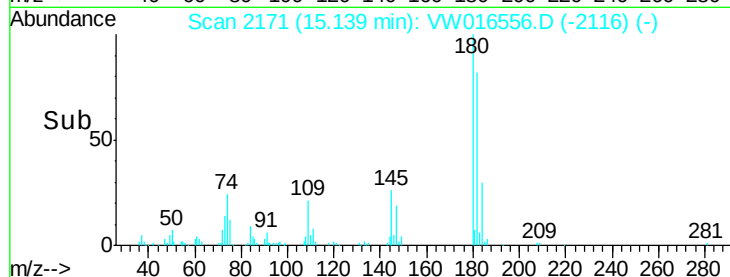
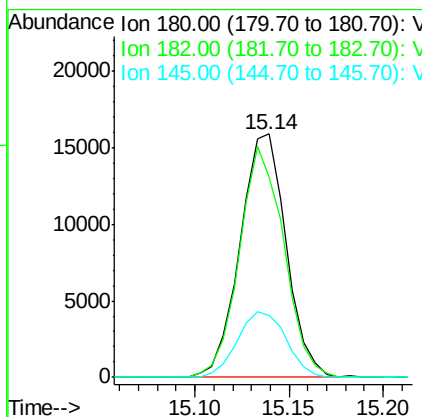
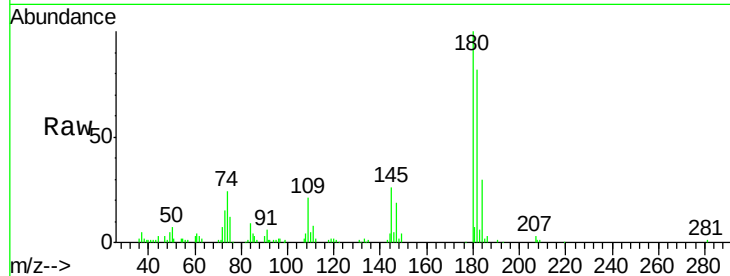




#68
 1,2,4-trichlorobenzene
 Concen: 2.520 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.01 min
 Lab File: VW016556.D
 Acq: 15 Sep 2020 13:54

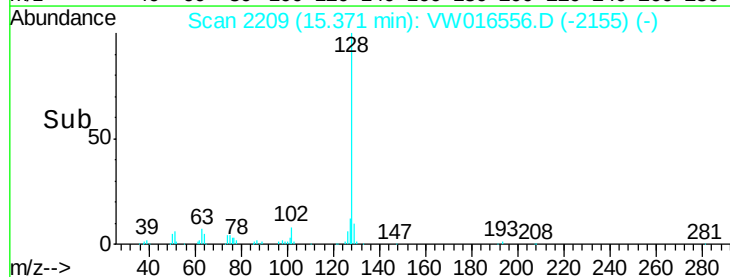
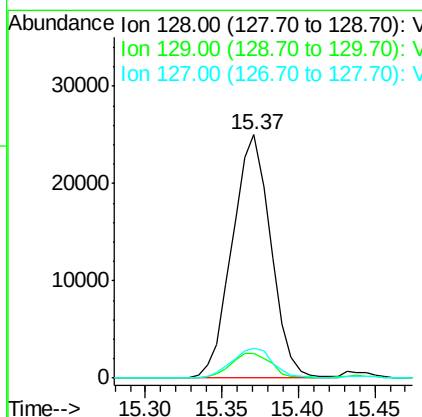
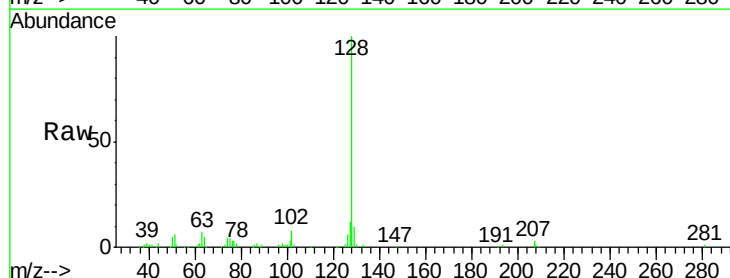
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.504

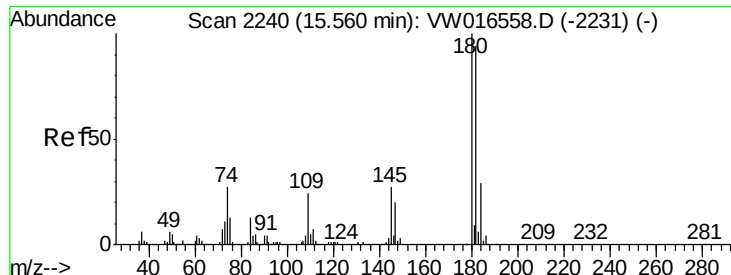
Tgt Ion:180 Resp: 26974
 Ion Ratio Lower Upper
 180 100
 182 91.8 74.5 111.7
 145 28.3 23.1 34.7



#69
 Naphthalene
 Concen: 2.025 ug/L
 RT: 15.37 min Scan# 2209
 Delta R.T. 0.00 min
 Lab File: VW016556.D
 Acq: 15 Sep 2020 13:54

Tgt Ion:128 Resp: 43927
 Ion Ratio Lower Upper
 128 100
 129 10.9 8.9 13.3
 127 13.1 10.8 16.2





#70
 1,2,3-Trichlorobenzene
 Concen: 2.519 ug/L
 RT: 15.56 min Scan# 2240
 Delta R.T. 0.00 min
 Lab File: VW016556.D
 Acq: 15 Sep 2020 13:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.504

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.3	114.5
145	31.5	24.1	36.1

