

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW041020\
 Data File : VW015173.D
 Acq On : 10 Apr 2020 10:31
 Operator : SY/VA
 Sample : VSTD2.504
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 10 12:28:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041020S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 10 12:17:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1440451	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	1230027	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	516340	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	34509	1.48	ug/L	0.00
7) Chloroethane-d5	2.89	69	27896	1.47	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.03	63	92422	1.92	ug/L	0.00
20) 2-Butanone-d5	7.09	46	18770	3.33	ug/L	0.00
24) Chloroform-d	7.75	84	441	0.01	ug/L	0.10
26) 1,2-Dichloroethane-d4	8.31	65	40421	1.67	ug/L	0.00
29) Benzene-d6	8.27	84	171392	2.17	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	53596	2.06	ug/L	0.00
37) Toluene-d8	10.32	98	159229	2.33	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	22379	2.18	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	15822	3.96	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	35553	1.97	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	46424	2.48	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	26852	2.469 ug/L	93
3) Chloromethane	2.21	50	33775	1.749 ug/L	100
5) Vinyl chloride	2.36	62	44447	1.670 ug/L	98
6) Bromomethane	2.78	94	24418	1.671 ug/L	94
8) Chloroethane	2.93	64	22210	1.409 ug/L	96
9) Trichlorofluoromethane	3.26	101	33566	2.148 ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	19805	0.906 ug/L #	1
12) 1,1-Dichloroethene	4.04	96	49867	2.383 ug/L	89
13) Acetone	4.13	43	17324	3.722 ug/L	100
14) Carbon disulfide	4.38	76	164906	2.167 ug/L	95
16) Methylene chloride	4.92	84	59014	2.489 ug/L	95
17) Methyl tert-butyl Ether	5.42	73	40083	1.469 ug/L #	76
18) trans-1,2-Dichloroethene	5.42	96	49490	2.281 ug/L	90
19) 1,1-Dichloroethane	6.21	63	86659	1.938 ug/L	94
22) cis-1,2-Dichloroethene	7.17	96	51078	2.354 ug/L	92
23) Bromochloromethane	7.51	128	20087	2.245 ug/L	96
25) Chloroform	7.68	83	84499	2.062 ug/L	99
27) 1,2-Dichloroethane	8.40	62	47943	1.672 ug/L	95
30) Cyclohexane	7.96	56	90227	2.363 ug/L	97
31) 1,1,1-Trichloroethane	7.87	97	71820	2.296 ug/L	98
32) Carbon tetrachloride	8.07	117	65515	2.394 ug/L	97
34) Benzene	8.32	78	196663	2.247 ug/L	100
35) Trichloroethene	9.09	95	52130	2.412 ug/L	99
36) Methylcyclohexane	9.34	83	97307	2.610 ug/L	98
40) 1,2-Dichloropropane	9.37	63	45869	1.929 ug/L	98
41) Bromodichloromethane	9.65	83	58905	2.138 ug/L	96
42) cis-1,3-Dichloropropene	10.07	75	73053	2.270 ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	51418	3.818 ug/L	98
44) Toluene	10.39	91	203633	2.336 ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	61694	2.200 ug/L	97

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 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

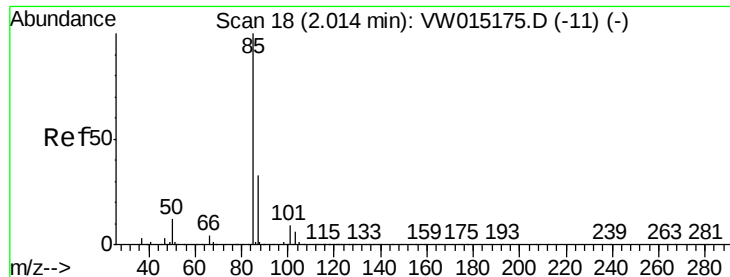
Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 10 12:28:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041020S.M
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

46) 1,1,2-Trichloroethane	10.79	97	32806	2.277	ug/L	99
47) Tetrachloroethene	10.86	164	37641	2.635	ug/L	93
49) 2-Hexanone	10.97	43	31651	3.552	ug/L	96
50) Dibromochloromethane	11.13	129	36671	2.415	ug/L	92
51) 1,2-Dibromoethane	11.24	107	29590	2.288	ug/L	98
52) Chlorobenzene	11.66	112	122696	2.359	ug/L	94
53) Ethylbenzene	11.73	91	229426	2.422	ug/L	97
54) m,p-Xylene	11.83	106	84720	2.513	ug/L	98
55) o-xylene	12.16	106	83445	2.627	ug/L	99
56) Styrene	12.18	104	138857	2.584	ug/L	99
57) Isopropylbenzene	12.46	105	224307	2.576	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	36202	2.034	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	25586	1.921	ug/L	100
62) Bromoform	12.35	173	20739	2.714	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	87331	2.582	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	84187	2.458	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	76664	2.504	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	5953	2.075	ug/L #	78
67) 1,3,5-Trichlorobenzene	14.63	180	57881	2.597	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	40821	2.394	ug/L	99
69) Naphthalene	15.37	128	72897	2.191	ug/L	98
70) 1,2,3-Trichlorobenzene	15.56	180	36639	2.347	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 2.469 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW015173.D

Acq: 10 Apr 2020 10:31

Instrument :

MSVOA_W

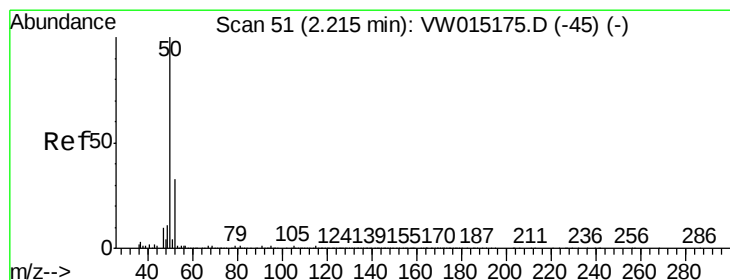
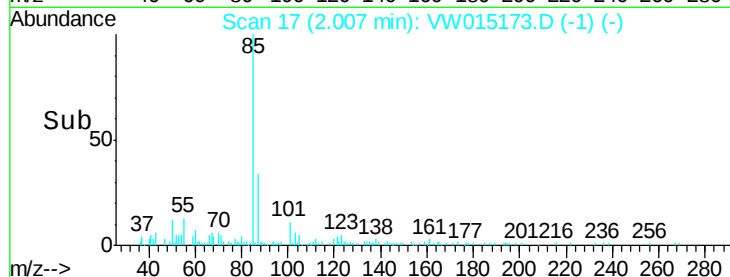
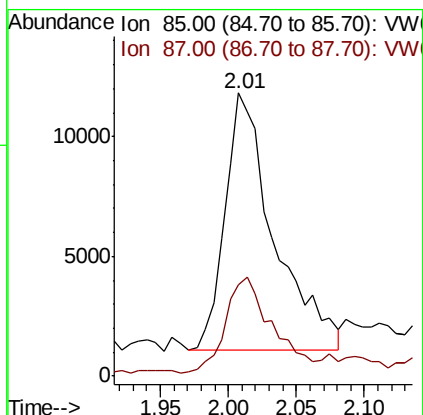
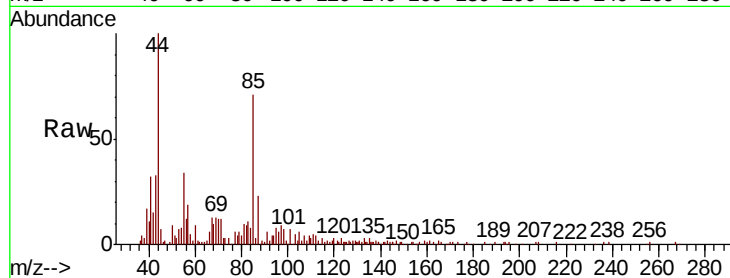
ClientSampleId :

Tot Ion: 85 Resp: 26852

Ion Ratio Lower Upper

85 100

87 35.9 22.5 41.9



#3

Chloromethane

Concen: 1.749 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW015173.D

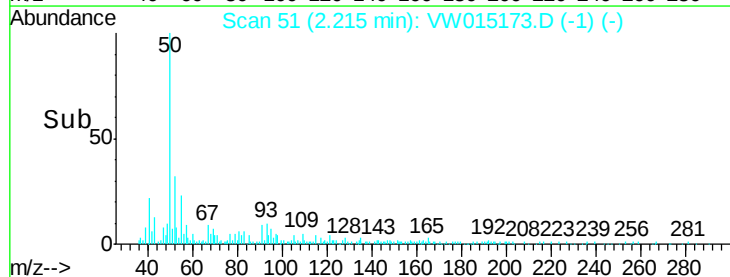
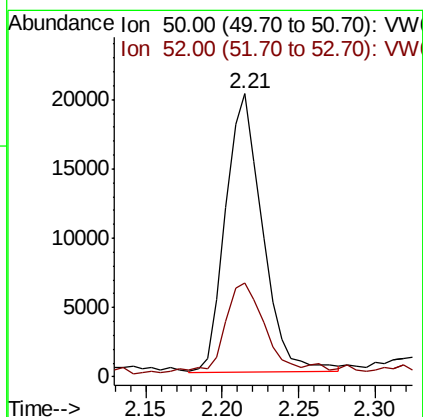
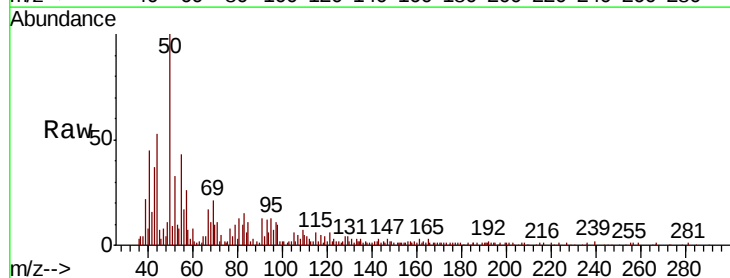
Acq: 10 Apr 2020 10:31

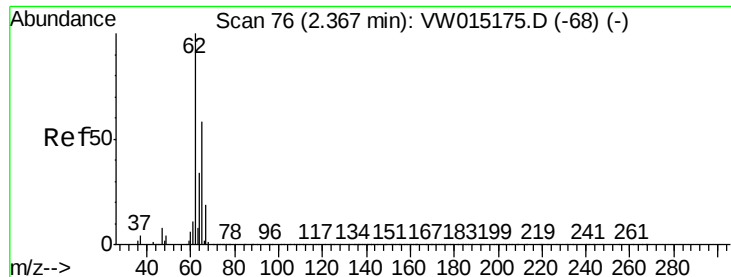
Tgt Ion: 50 Resp: 33775

Ion Ratio Lower Upper

50 100

52 33.0 23.2 43.0





#5

Vinyl chloride

Concen: 1.670 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW015173.D

Acq: 10 Apr 2020 10:31

Instrument :

MSVOA_W

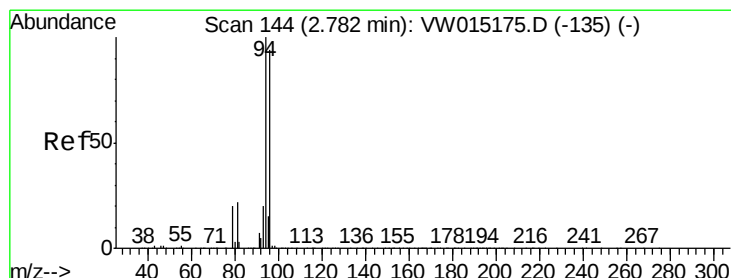
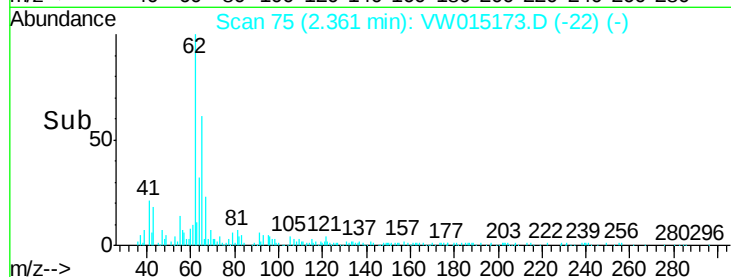
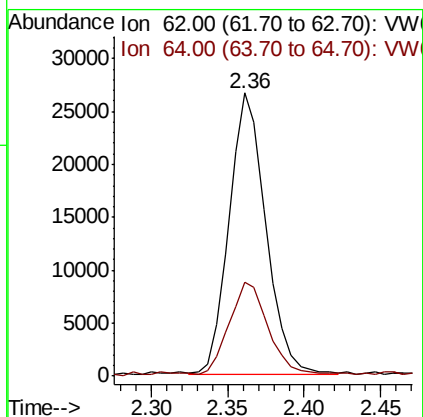
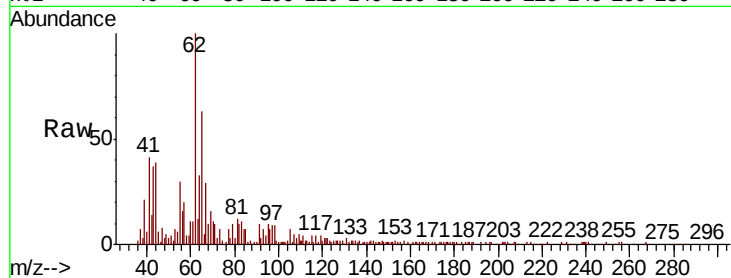
ClientSampled :

Tot Ion: 62 Resp: 44447

Ion Ratio Lower Upper

62 100

64 33.1 23.8 44.2



#6

Bromomethane

Concen: 1.671 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW015173.D

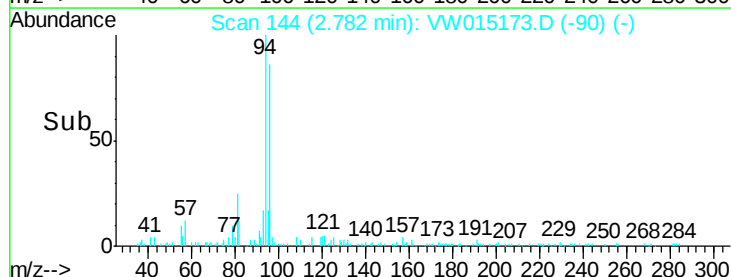
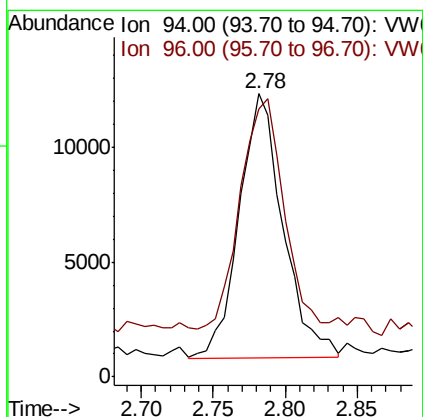
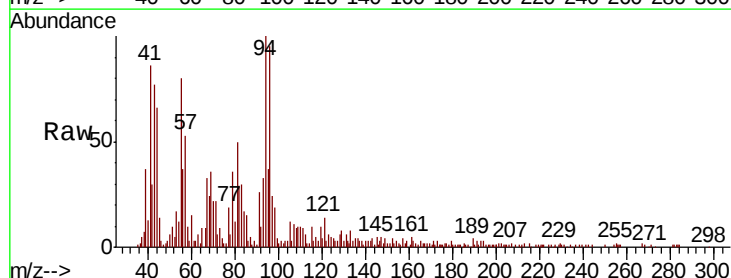
Acq: 10 Apr 2020 10:31

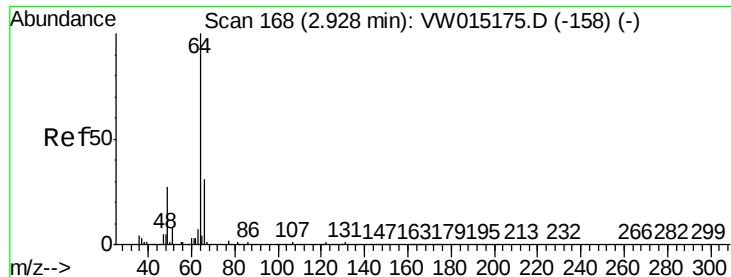
Tgt Ion: 94 Resp: 24418

Ion Ratio Lower Upper

94 100

96 89.1 9.5 181.3





#8

Chloroethane

Concen: 1.409 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW015173.D

Acq: 10 Apr 2020 10:31

Instrument :

MSVOA_W

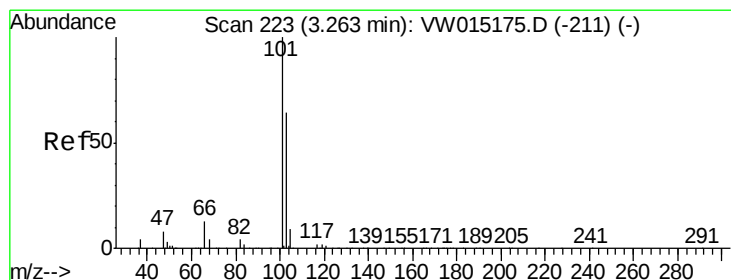
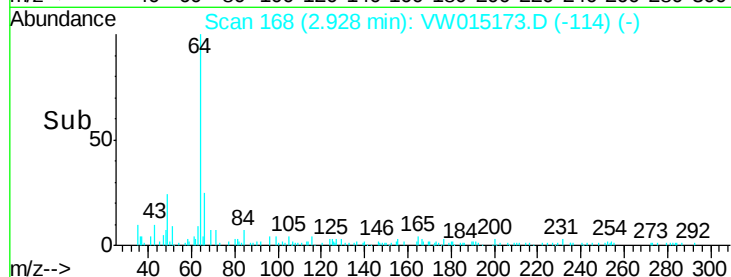
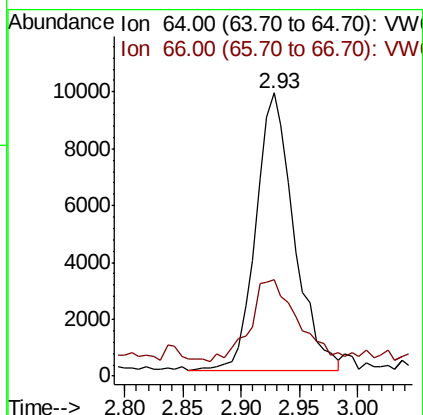
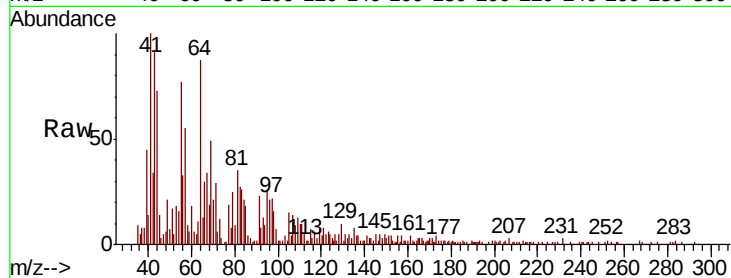
ClientSampled :

Tot Ion: 64 Resp: 22210

Ion Ratio Lower Upper

64 100

66 34.3 22.5 41.7



#9

Trichlorofluoromethane

Concen: 2.148 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.00 min

Lab File: VW015173.D

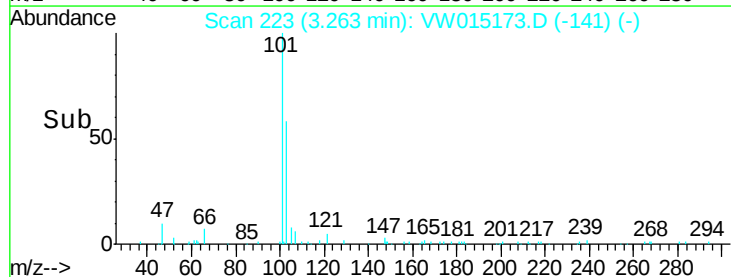
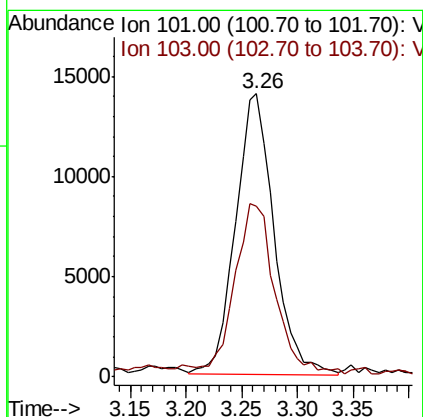
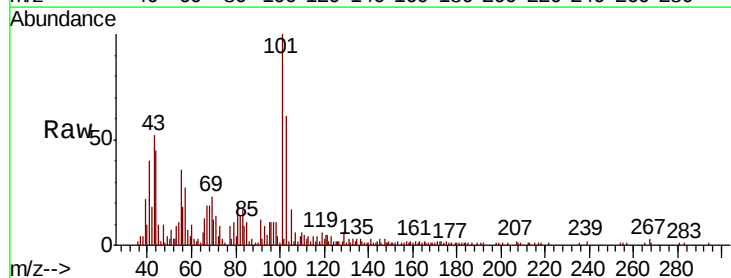
Acq: 10 Apr 2020 10:31

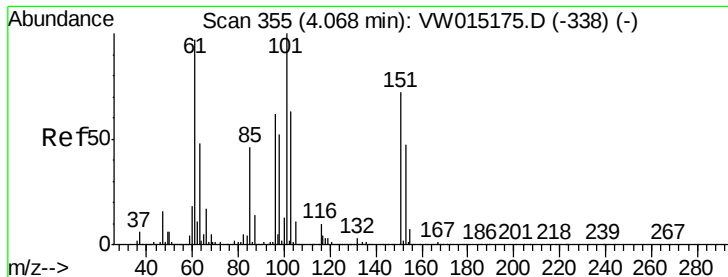
Tgt Ion: 101 Resp: 33566

Ion Ratio Lower Upper

101 100

103 61.5 44.9 83.5





#11

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

Concen: 0.906 ug/L

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW015173.D

Acq: 10 Apr 2020 10:31

Instrument :

MSVOA_W

ClientSampleId :

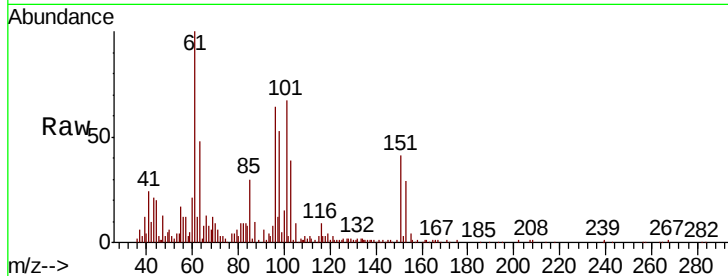
Tot Ion:101 Resp: 19805

Ion Ratio Lower Upper

101 100

85 106.6 34.0 51.0#

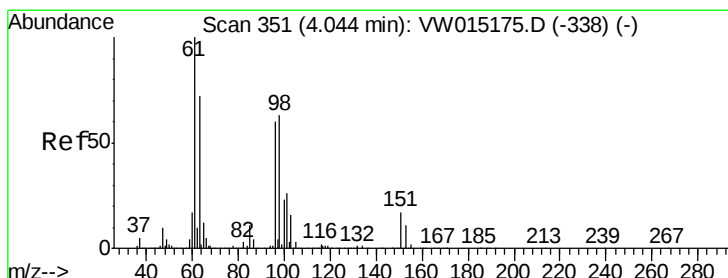
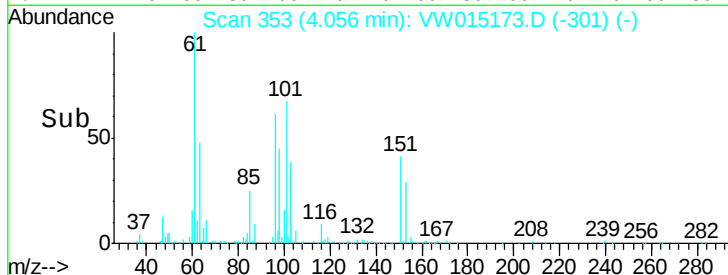
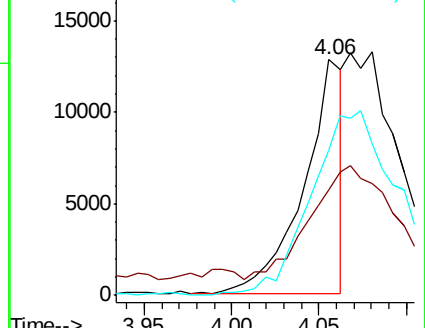
151 182.4 56.6 85.0#



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: 2.383 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

Lab File: VW015173.D

Acq: 10 Apr 2020 10:31

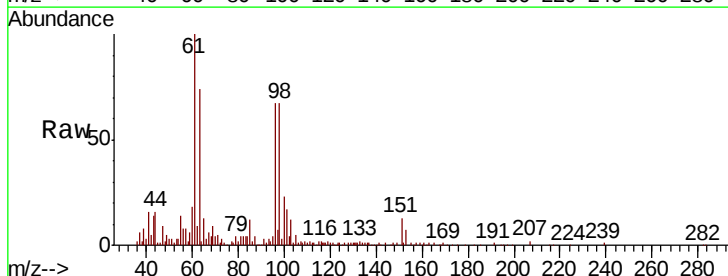
Tgt Ion: 96 Resp: 49867

Ion Ratio Lower Upper

96 100

61 148.9 116.4 216.2

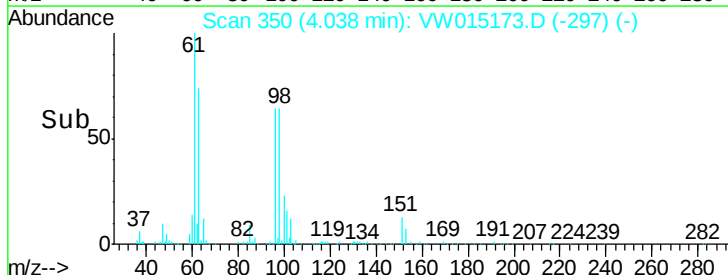
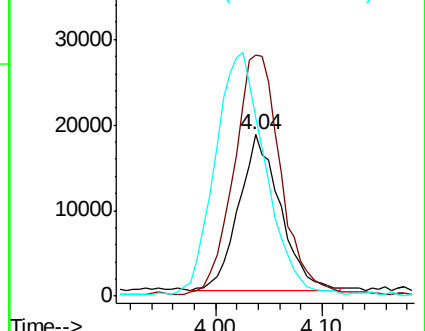
63 110.1 84.0 156.0

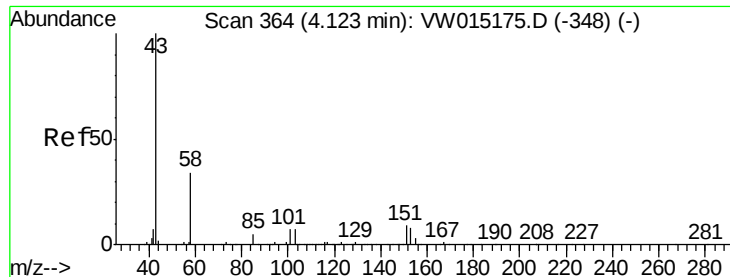


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 3.722 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW015173.D

Acq: 10 Apr 2020 10:31

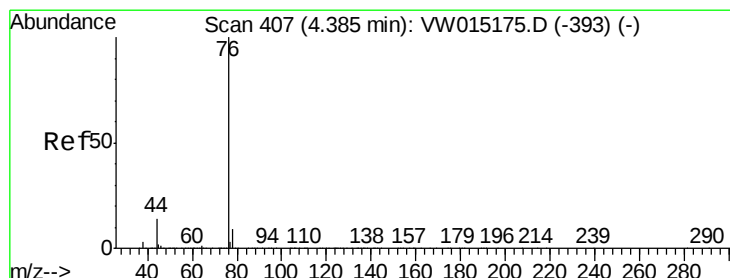
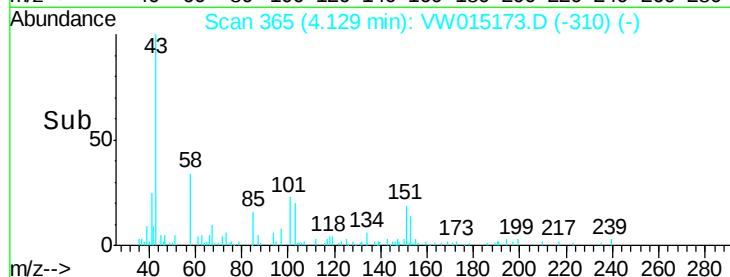
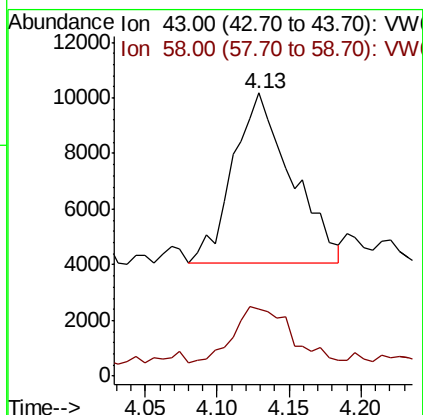
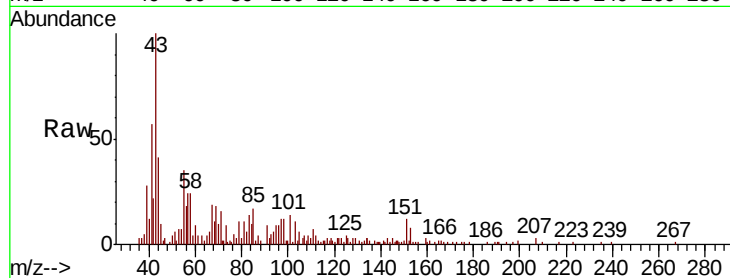
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 17324

Ion Ratio Lower Upper

43 100

58 32.1 0.0 64.6



#14

Carbon disulfide

Concen: 2.167 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW015173.D

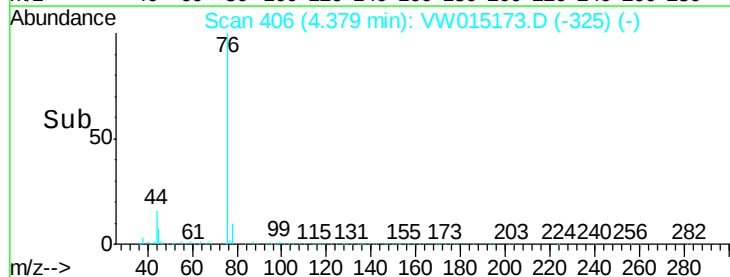
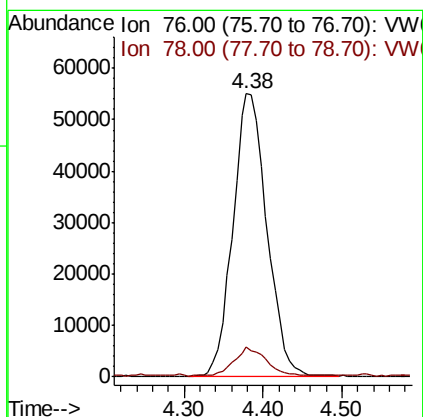
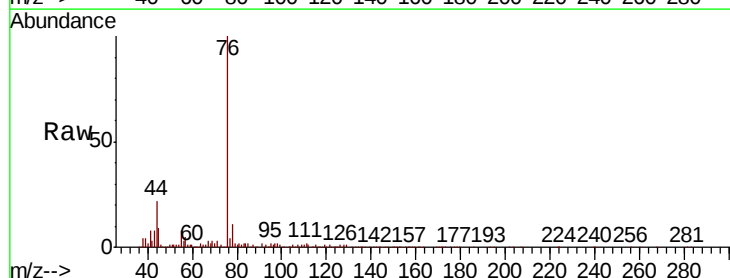
Acq: 10 Apr 2020 10:31

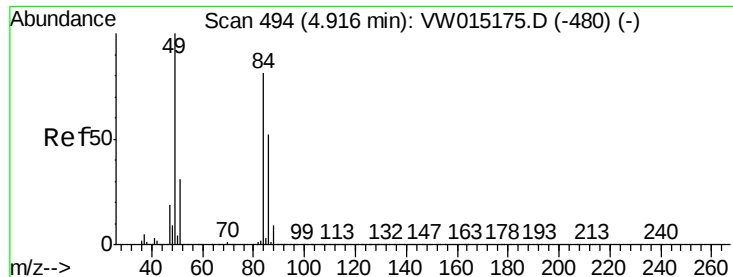
Tgt Ion: 76 Resp: 164906

Ion Ratio Lower Upper

76 100

78 10.7 7.3 10.9

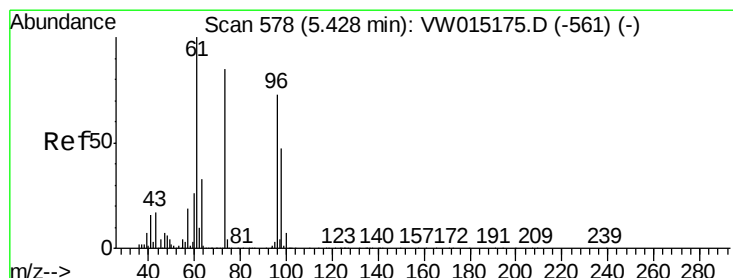
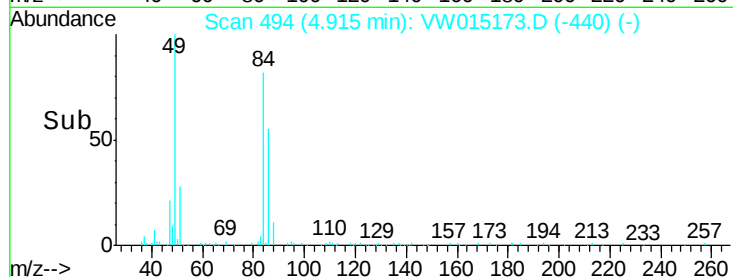
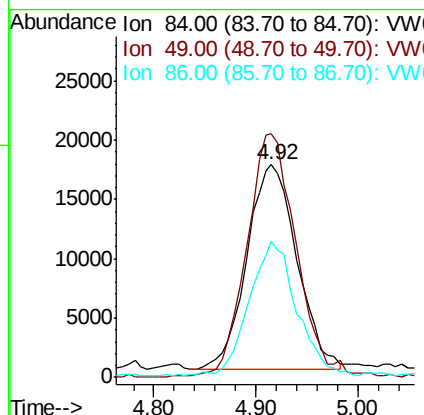
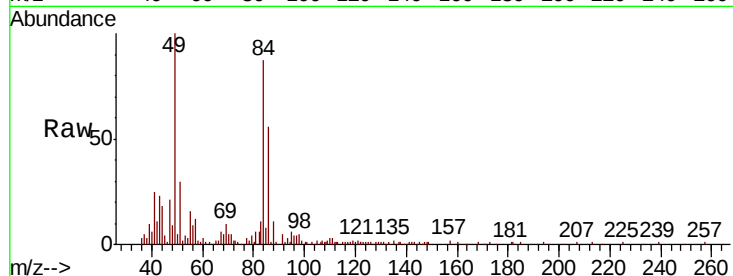




#16
Methylene chloride
Concen: 2.489 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW015173.D
Acq: 10 Apr 2020 10:31

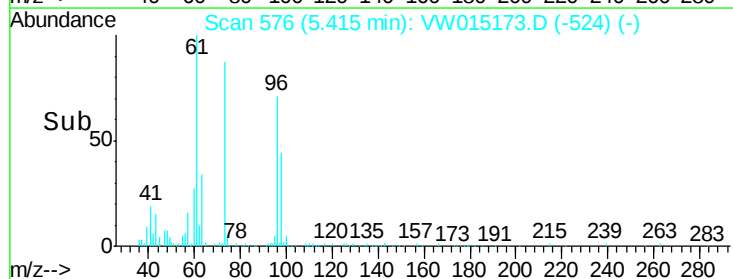
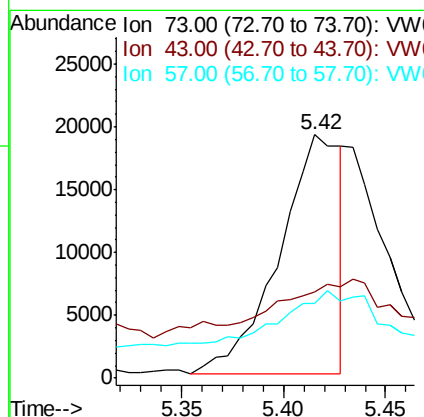
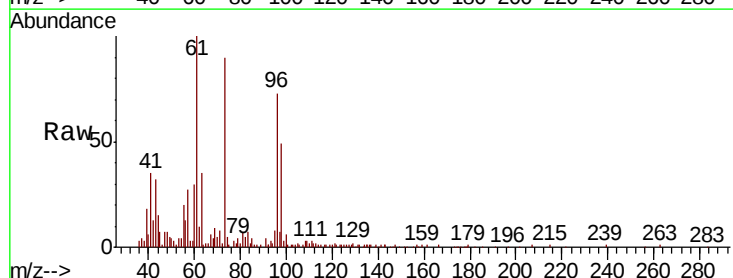
Instrument :
MSVOA_W
ClientSampled :

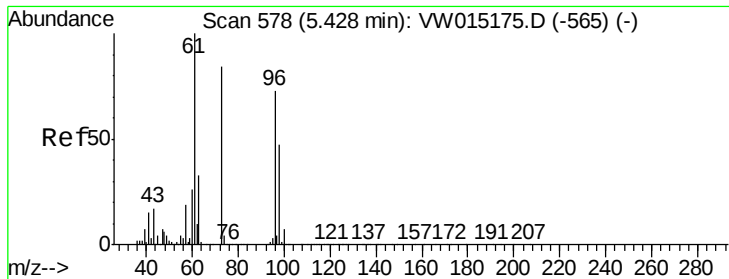
Tot Ion: 84 Resp: 59014
Ion Ratio Lower Upper
84 100
49 114.4 85.8 159.4
86 63.8 44.7 82.9



#17
Methyl tert-butyl Ether
Concen: 1.469 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW015173.D
Acq: 10 Apr 2020 10:31

Tgt Ion: 73 Resp: 40083
Ion Ratio Lower Upper
73 100
43 0.0 15.8 23.8#
57 24.8 17.6 26.4





#18

trans-1,2-Dichloroethene

Concen: 2.281 ug/L

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW015173.D

Acq: 10 Apr 2020 10:31

Instrument :

MSVOA_W

ClientSampleId :

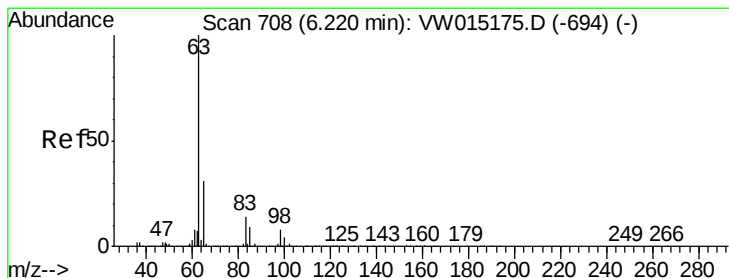
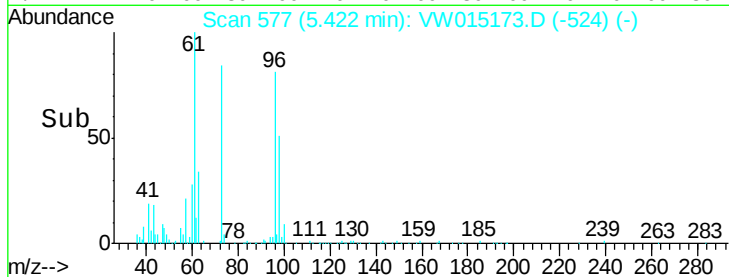
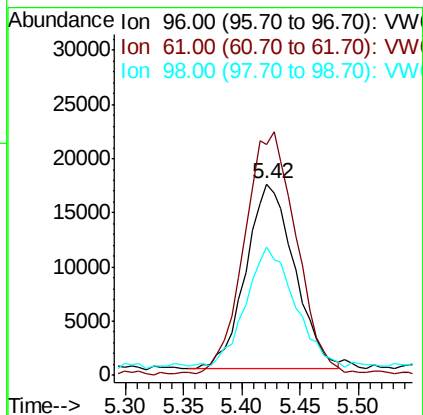
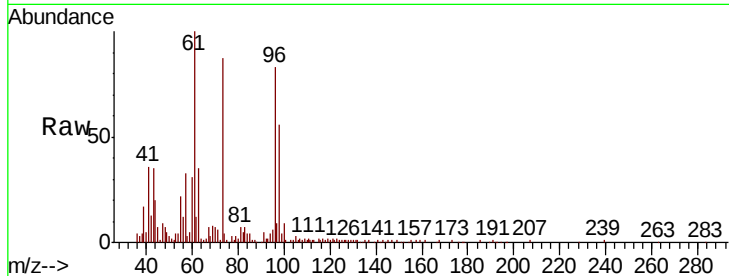
Tot Ion: 96 Resp: 49490

Ion Ratio Lower Upper

96 100

61 120.3 95.5 177.3

98 67.2 45.1 83.9



#19

1,1-Dichloroethane

Concen: 1.938 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW015173.D

Acq: 10 Apr 2020 10:31

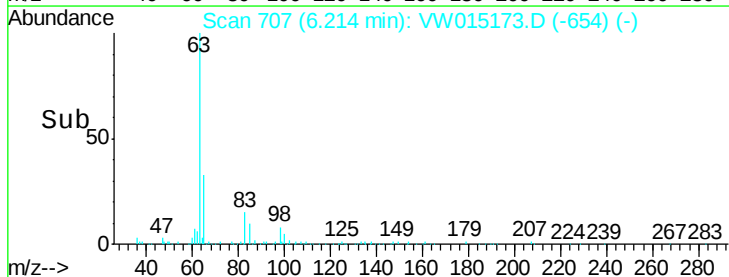
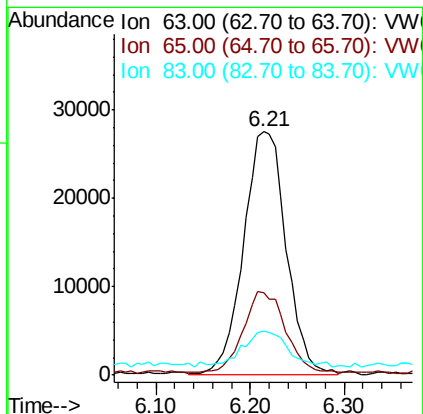
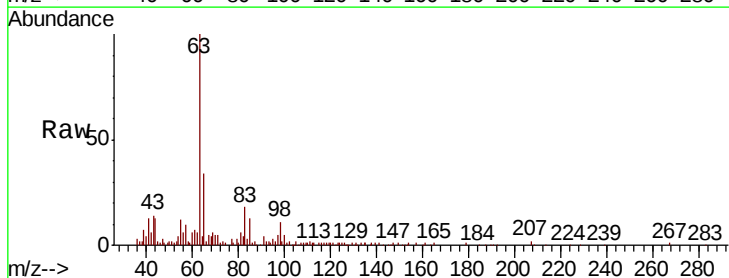
Tgt Ion: 63 Resp: 86659

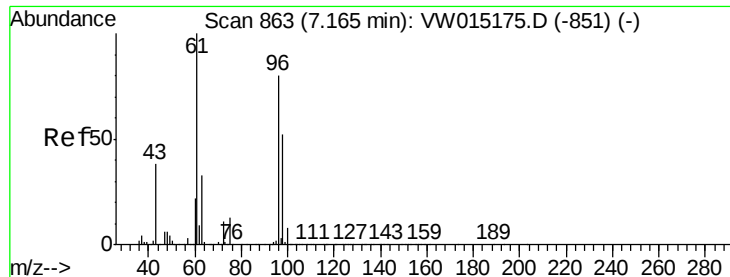
Ion Ratio Lower Upper

63 100

65 33.7 22.0 40.8

83 17.9 9.7 17.9



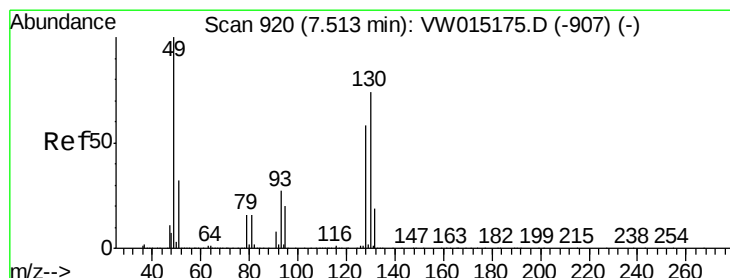
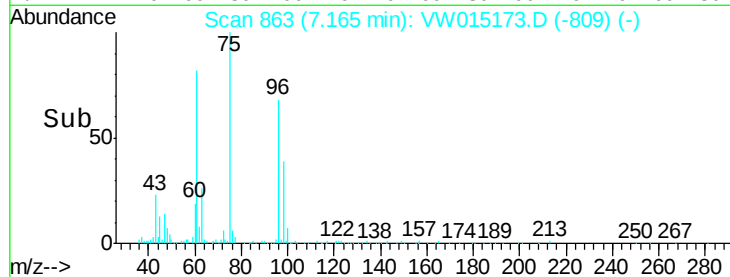
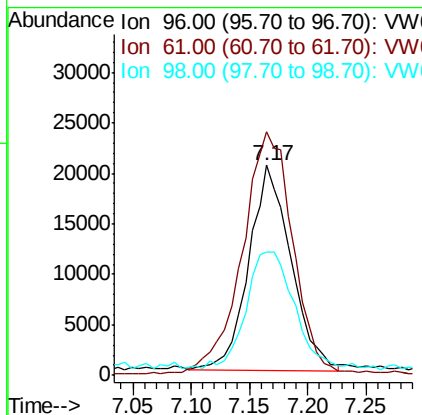
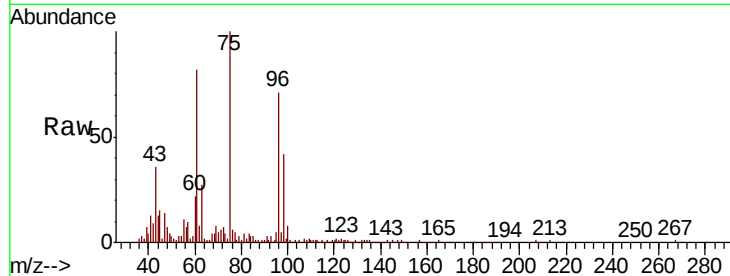


#22

cis-1,2-Dichloroethene
 Concen: 2.354 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW015173.D
 Acq: 10 Apr 2020 10:31

Instrument :
 MSVOA_W
 ClientSampleId :

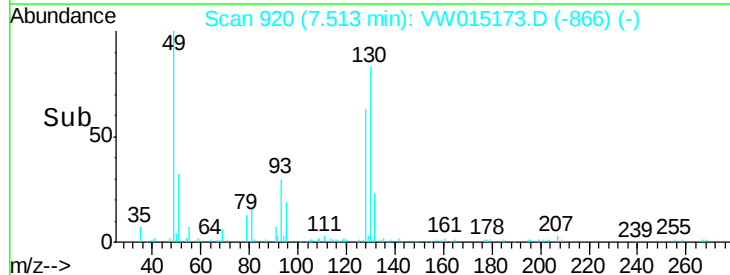
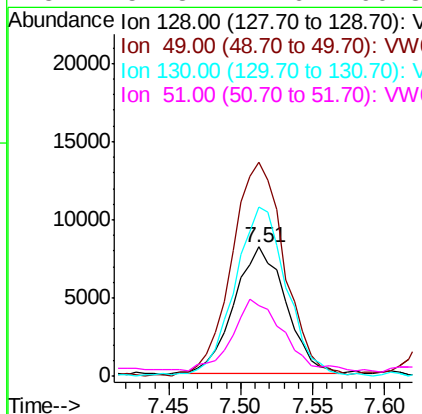
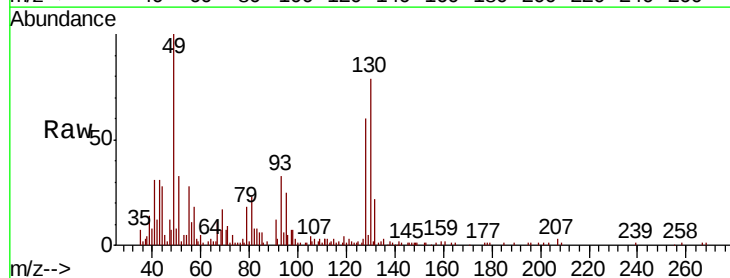
Tot Ion: 96 Resp: 51078
 Ion Ratio Lower Upper
 96 100
 61 115.9 87.8 163.0
 98 58.5 45.7 84.9

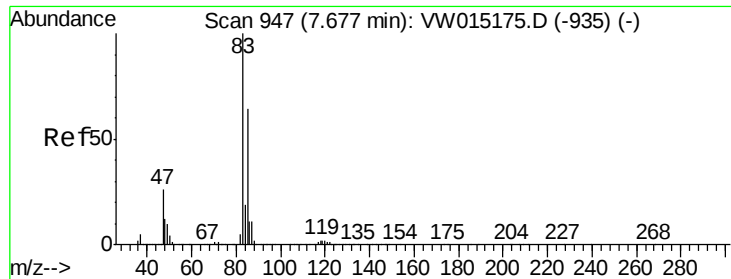


#23

Bromochloromethane
 Concen: 2.245 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW015173.D
 Acq: 10 Apr 2020 10:31

Tgt Ion:128 Resp: 20087
 Ion Ratio Lower Upper
 128 100
 49 165.3 121.1 224.9
 130 131.2 90.1 167.3
 51 54.8 44.6 66.8

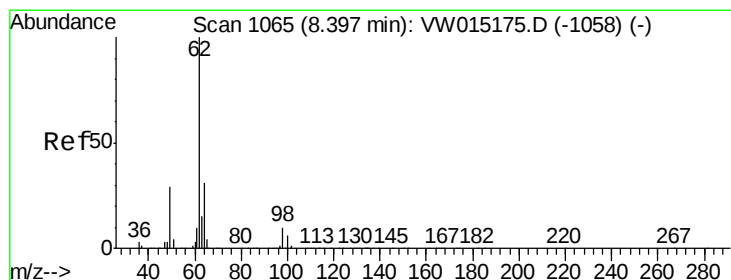
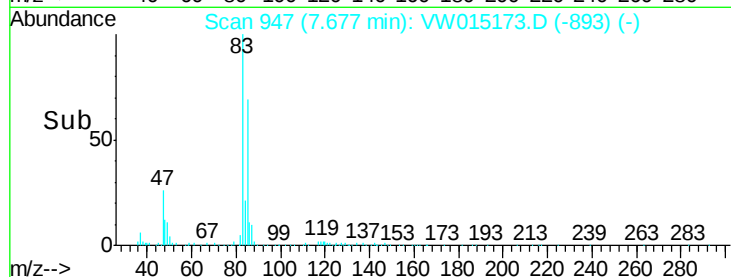
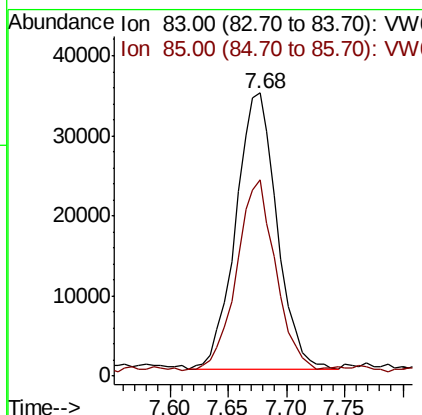
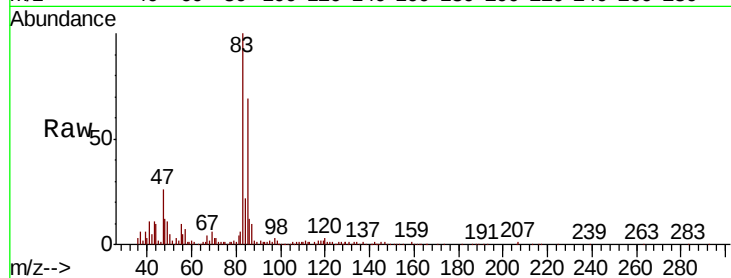




#25
Chloroform
Concen: 2.062 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW015173.D
Acq: 10 Apr 2020 10:31

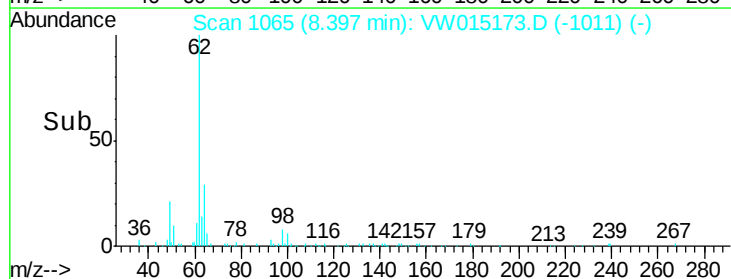
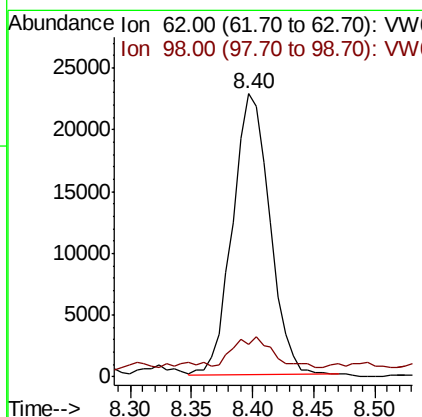
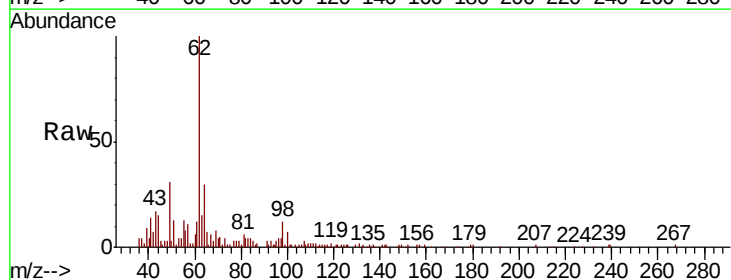
Instrument :
MSVOA_W
ClientSampleId :

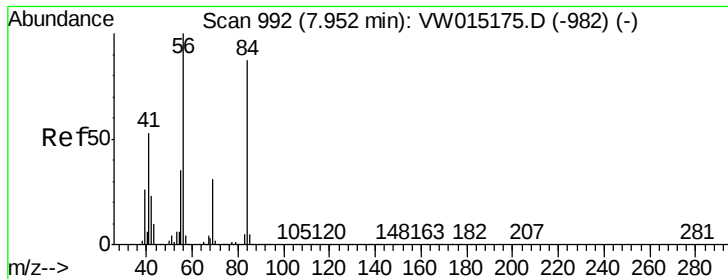
Tot Ion: 83 Resp: 84499
Ion Ratio Lower Upper
83 100
85 65.7 45.3 84.1



#27
1,2-Dichloroethane
Concen: 1.672 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW015173.D
Acq: 10 Apr 2020 10:31

Tgt Ion: 62 Resp: 47943
Ion Ratio Lower Upper
62 100
98 11.7 7.9 11.9

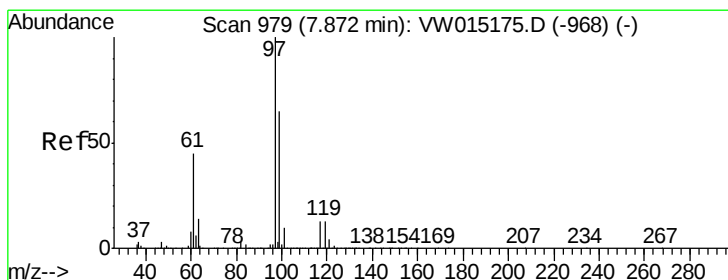
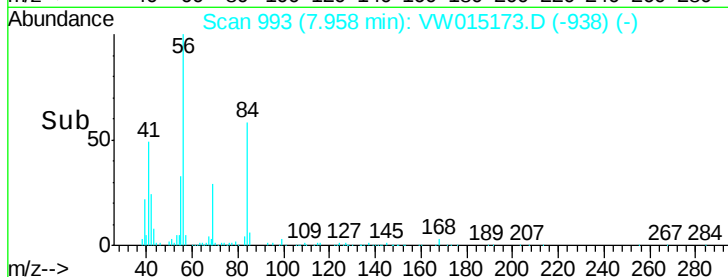
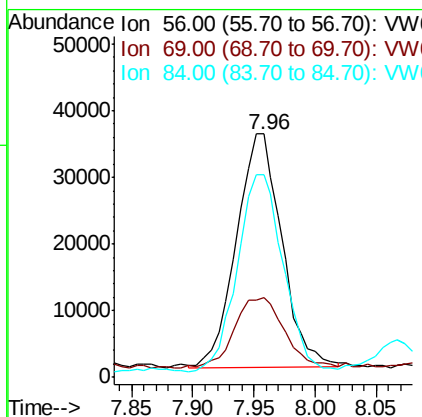
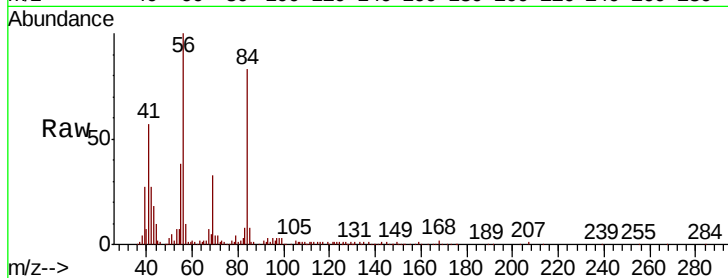




#30
Cyclohexane
Concen: 2.363 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.01 min
Lab File: VW015173.D
Acq: 10 Apr 2020 10:31

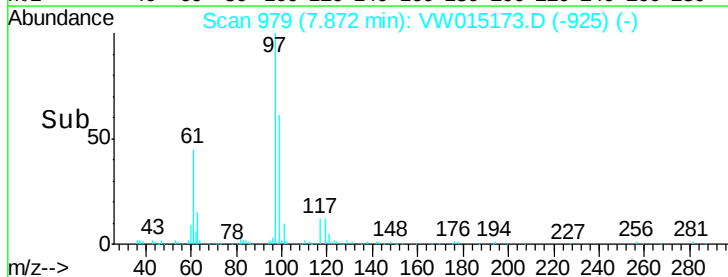
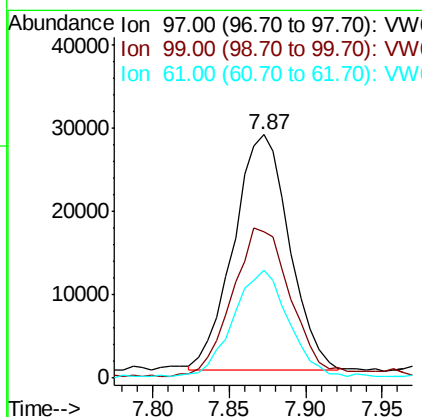
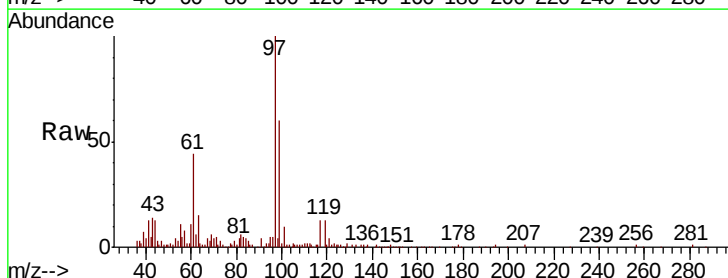
Instrument :
MSVOA_W
ClientSampleId :

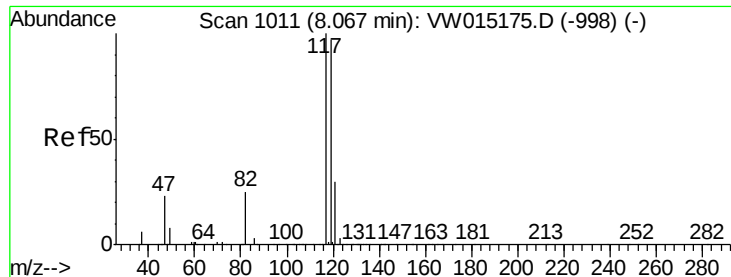
Tot Ion	Ratio	Lower	Upper
56	100		
69	32.6	24.9	37.3
84	85.2	70.6	105.8



#31
1,1,1-Trichloroethane
Concen: 2.296 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW015173.D
Acq: 10 Apr 2020 10:31

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.7	51.5	77.3
61	44.4	35.3	52.9





#32

Carbon tetrachloride

Concen: 2.394 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW015173.D

Acq: 10 Apr 2020 10:31

Instrument :

MSVOA_W

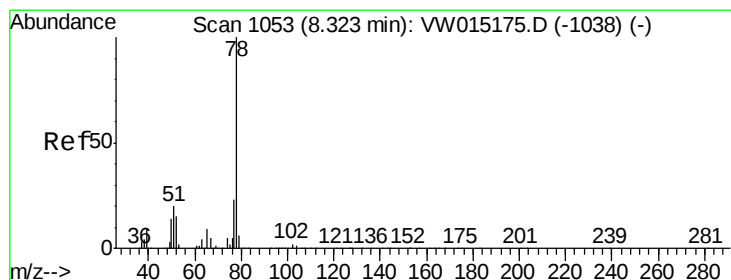
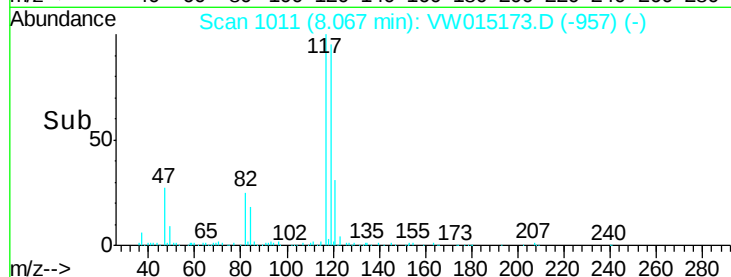
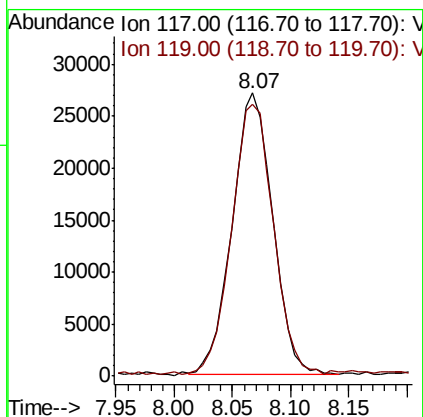
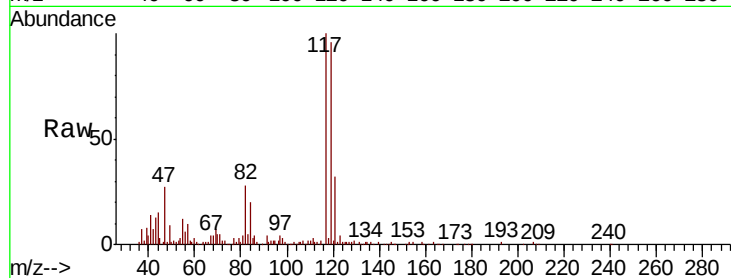
ClientSampleId :

Tot Ion:117 Resp: 65515

Ion Ratio Lower Upper

117 100

119 99.3 77.4 116.2



#34

Benzene

Concen: 2.247 ug/L

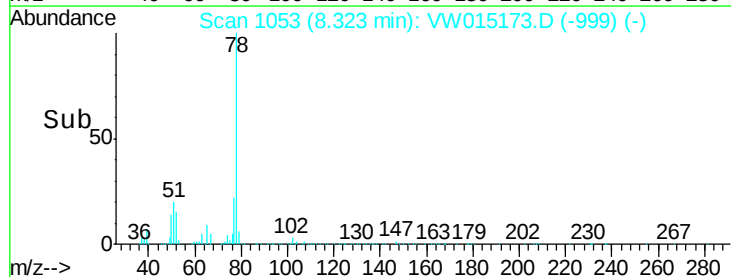
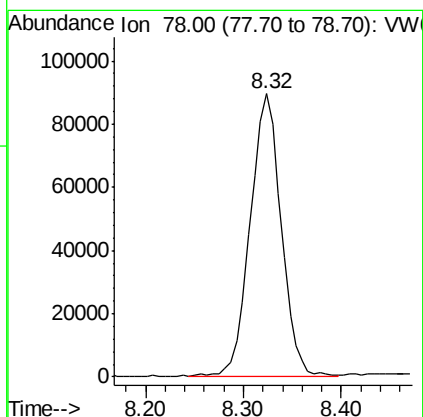
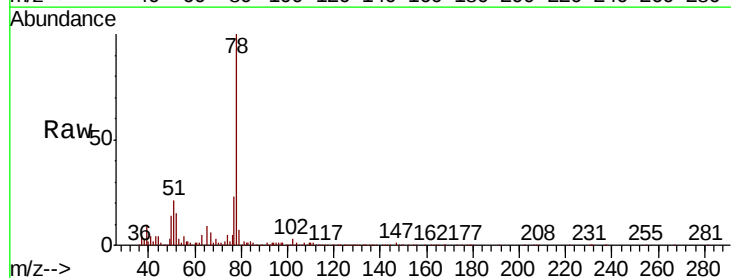
RT: 8.32 min Scan# 1053

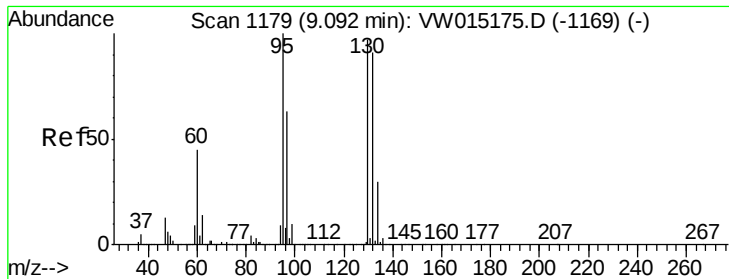
Delta R.T. -0.00 min

Lab File: VW015173.D

Acq: 10 Apr 2020 10:31

Tgt Ion: 78 Resp: 196663

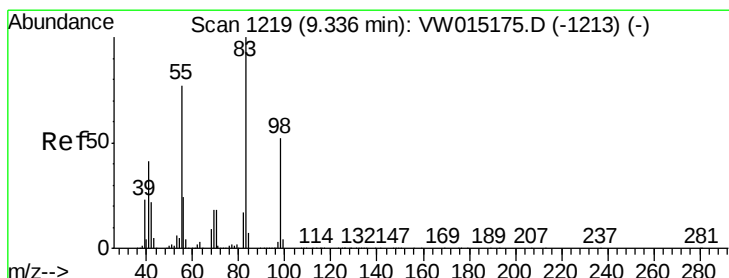
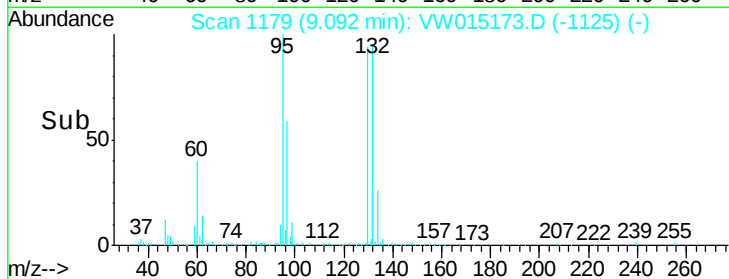
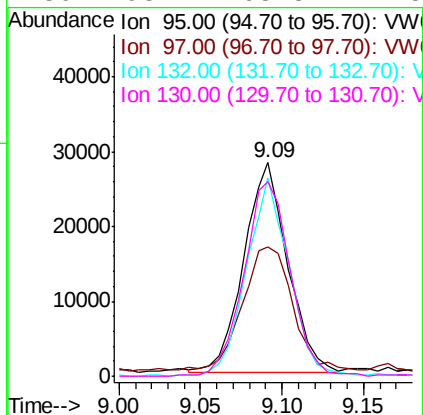
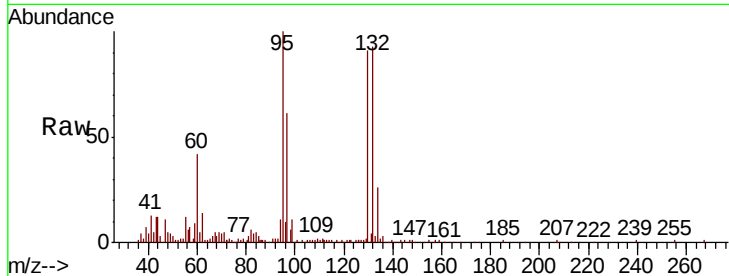




#35
 Trichloroethene
 Concen: 2.412 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW015173.D
 Acq: 10 Apr 2020 10:31

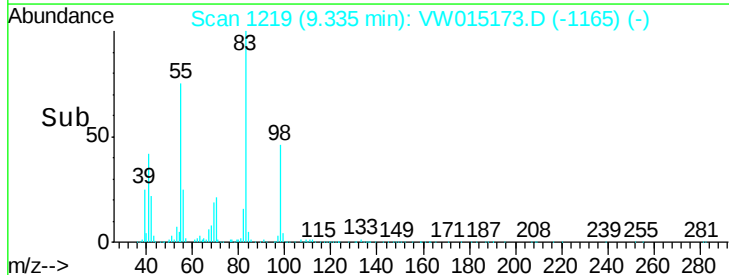
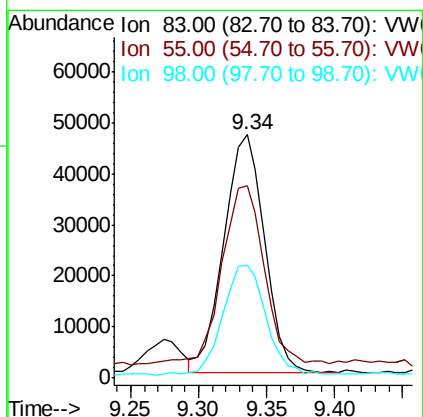
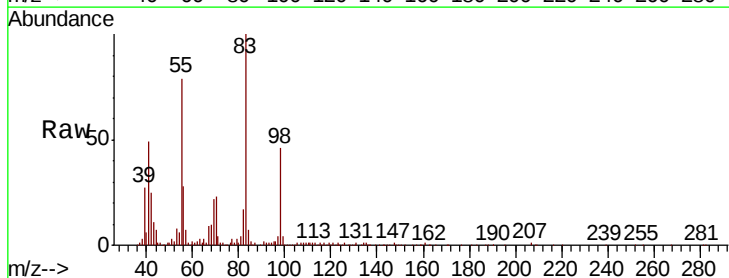
Instrument :
 MSVOA_W
 ClientSampled :

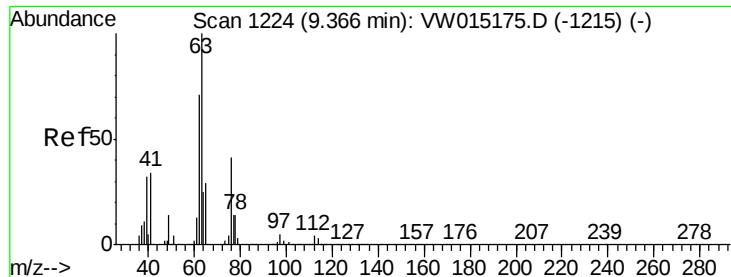
Tot Ion:	95	Resp:	52130
Ion	Ratio	Lower	Upper
95	100		
97	66.9	44.7	83.1
132	92.7	65.7	122.1
130	98.2	68.8	127.8



#36
 Methylcyclohexane
 Concen: 2.610 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW015173.D
 Acq: 10 Apr 2020 10:31

Tgt Ion:	83	Resp:	97307
Ion	Ratio	Lower	Upper
83	100		
55	74.5	60.6	91.0
98	47.6	39.4	59.0





#40

1,2-Dichloropropane

Concen: 1.929 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW015173.D

Acq: 10 Apr 2020 10:31

Instrument :

MSVOA_W

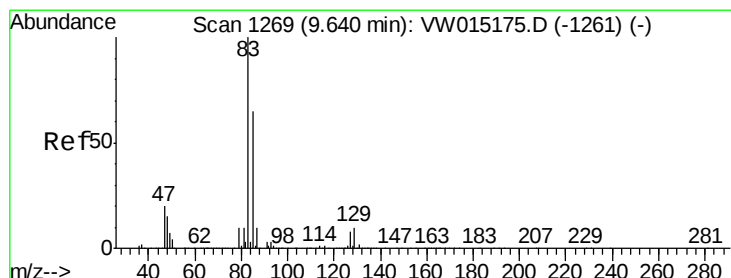
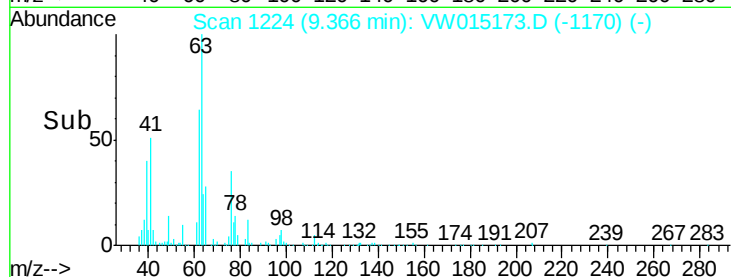
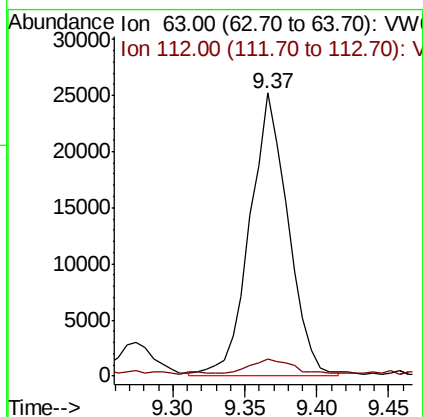
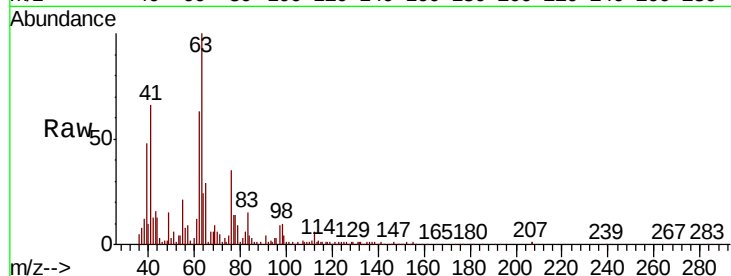
ClientSampleId :

Tot Ion: 63 Resp: 45869

Ion Ratio Lower Upper

63 100

112 4.8 3.4 5.2



#41

Bromodichloromethane

Concen: 2.138 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW015173.D

Acq: 10 Apr 2020 10:31

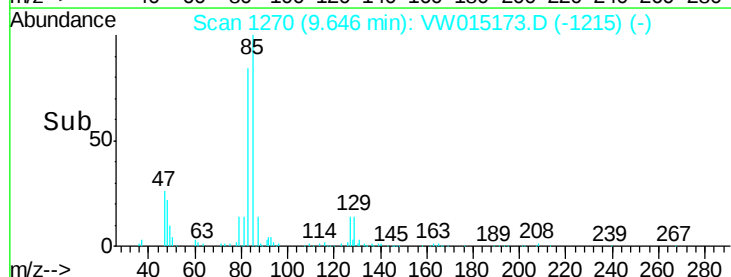
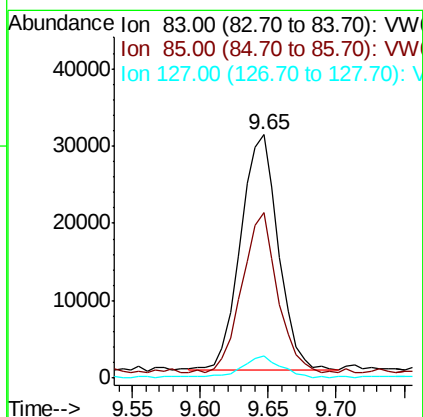
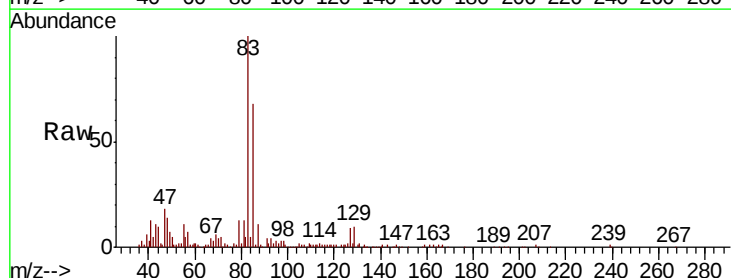
Tgt Ion: 83 Resp: 58905

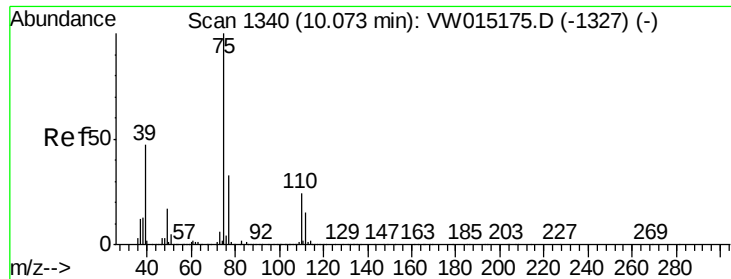
Ion Ratio Lower Upper

83 100

85 68.2 45.4 84.4

127 9.3 6.5 9.7

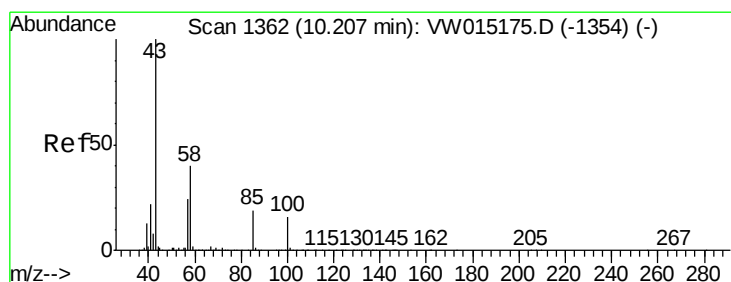
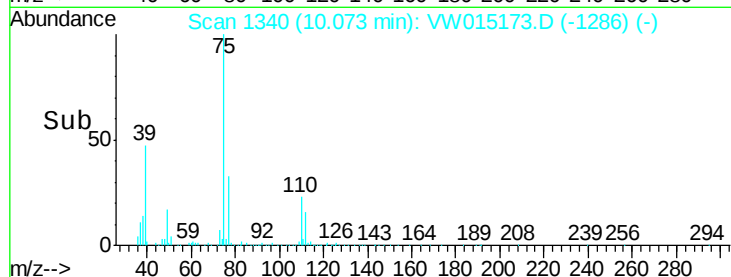
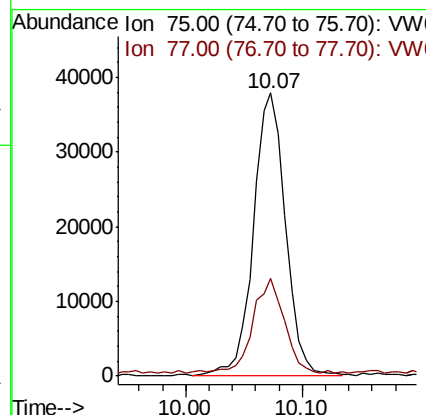
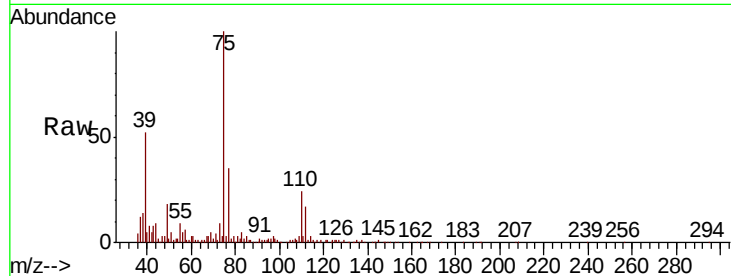




#42
 cis-1,3-Dichloropropene
 Concen: 2.270 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW015173.D
 Acq: 10 Apr 2020 10:31

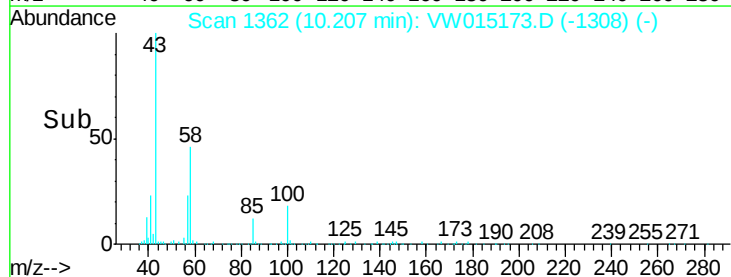
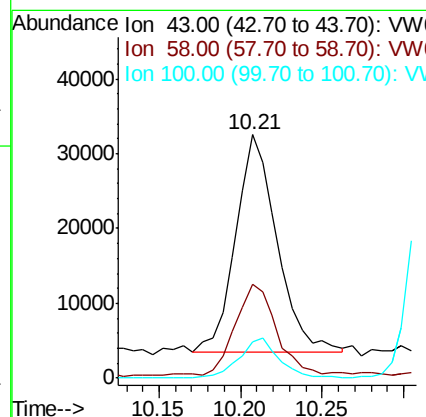
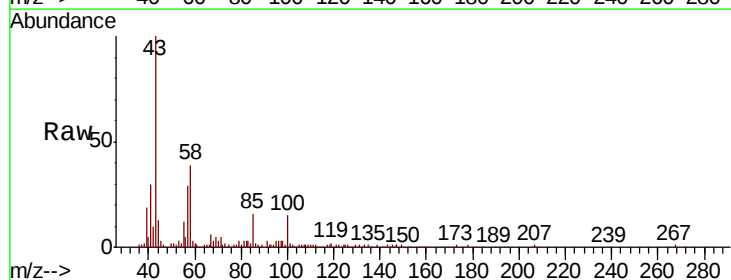
Instrument :
 MSVOA_W
 ClientSampleId :

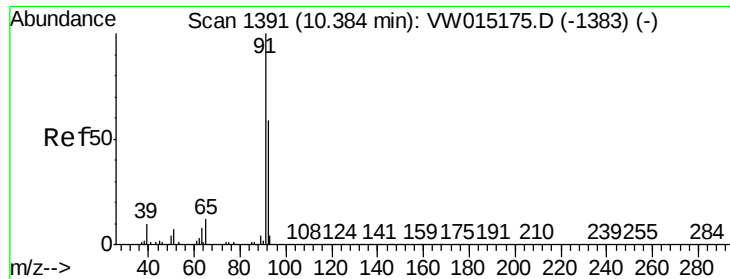
Tot Ion: 75 Resp: 73053
 Ion Ratio Lower Upper
 75 100
 77 34.7 23.0 42.8



#43
 4-Methyl-2-pentanone
 Concen: 3.818 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW015173.D
 Acq: 10 Apr 2020 10:31

Tgt Ion: 43 Resp: 51418
 Ion Ratio Lower Upper
 43 100
 58 40.4 33.0 49.4
 100 17.6 12.9 19.3





#44

Toluene

Concen: 2.336 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW015173.D

Acq: 10 Apr 2020 10:31

Instrument :

MSVOA_W

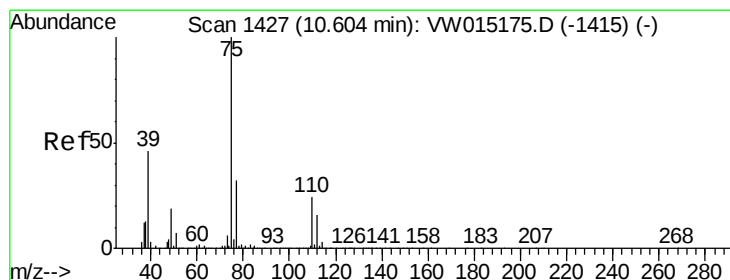
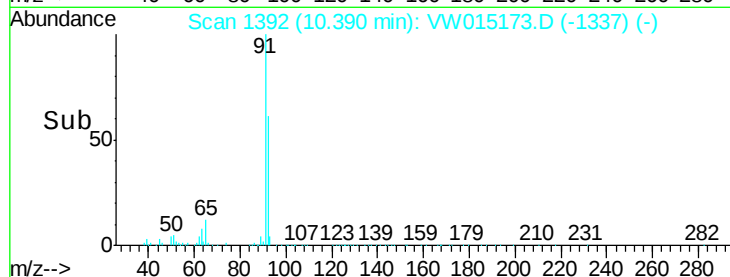
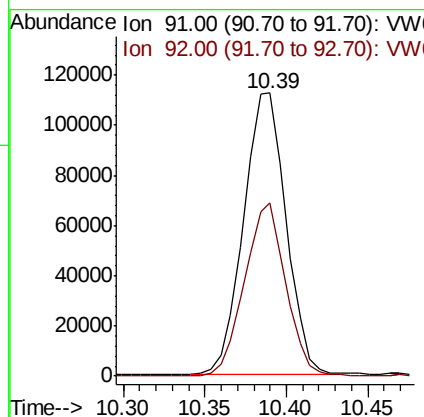
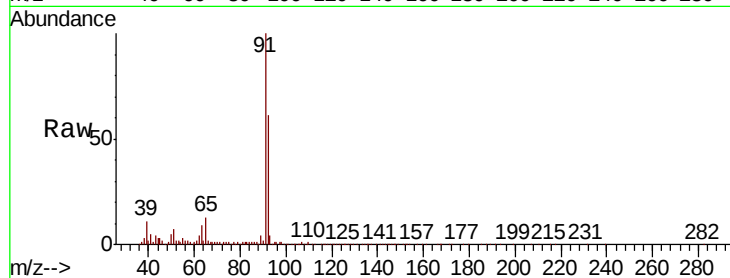
ClientSampleId :

Tot Ion: 91 Resp: 203633

Ion Ratio Lower Upper

91 100

92 61.3 41.6 77.2



#45

trans-1,3-Dichloropropene

Concen: 2.200 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW015173.D

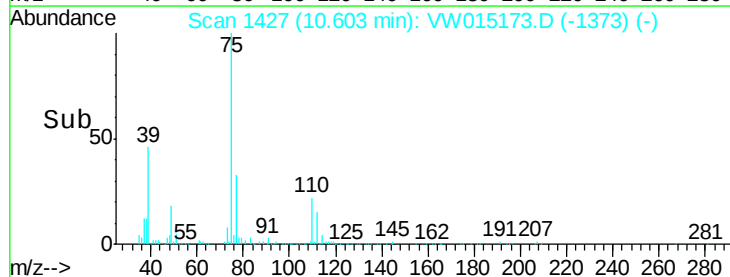
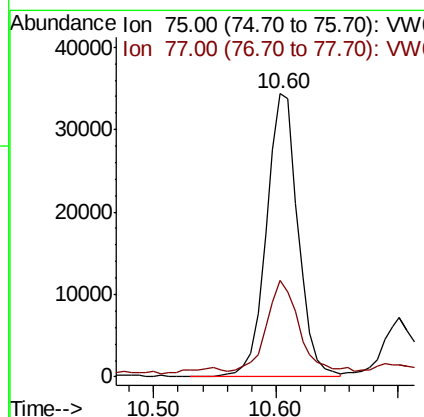
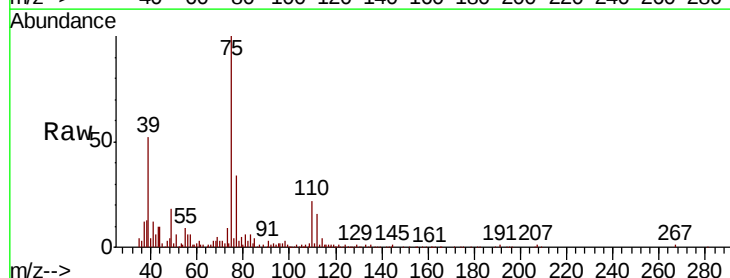
Acq: 10 Apr 2020 10:31

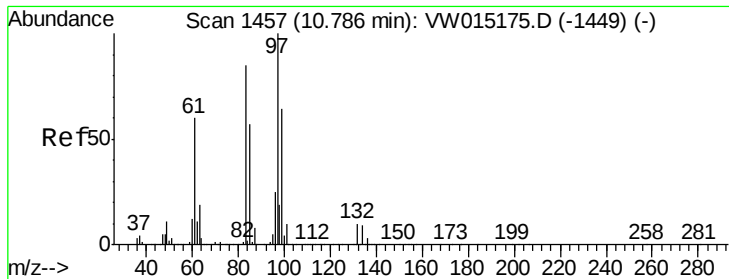
Tgt Ion: 75 Resp: 61694

Ion Ratio Lower Upper

75 100

77 33.9 22.4 41.6

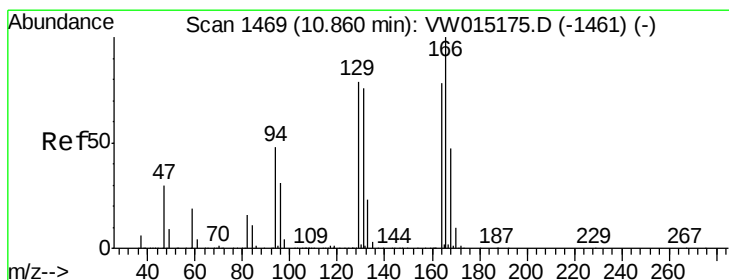
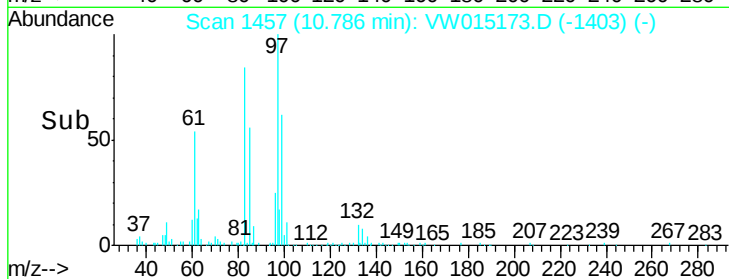
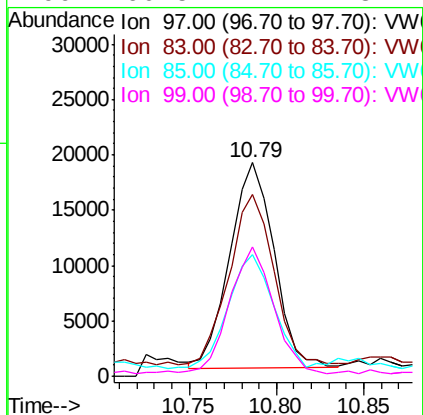
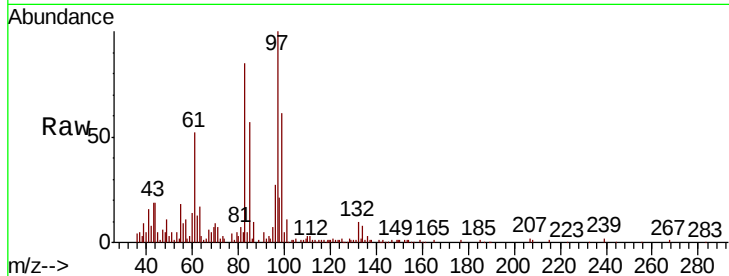




#46
1,1,2-Trichloroethane
Concen: 2.277 ug/L
RT: 10.79 min Scan# 1457
Delta R.T. -0.00 min
Lab File: VW015173.D
Acq: 10 Apr 2020 10:31

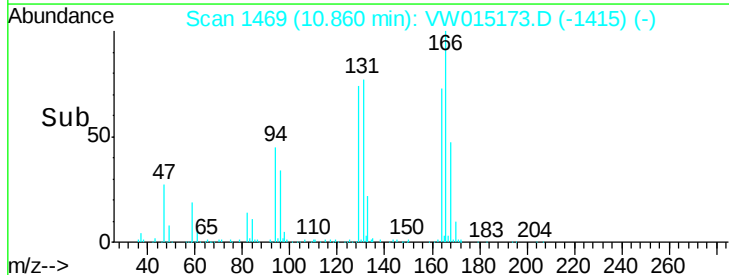
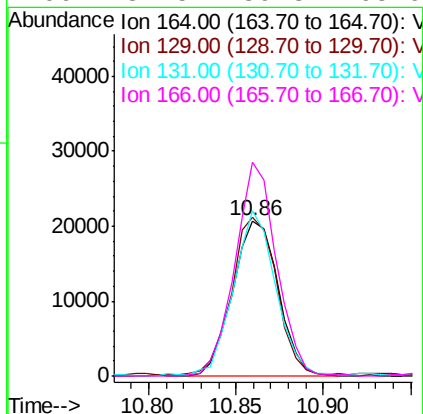
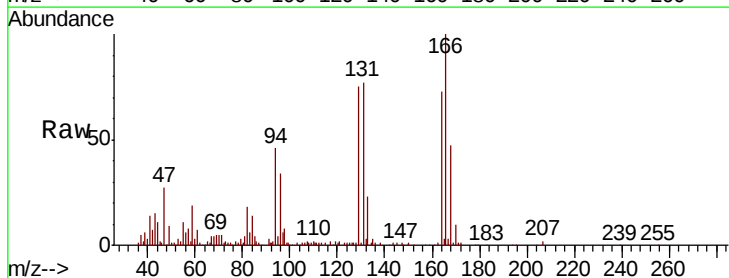
Instrument :
MSVOA_W
ClientSampleId :

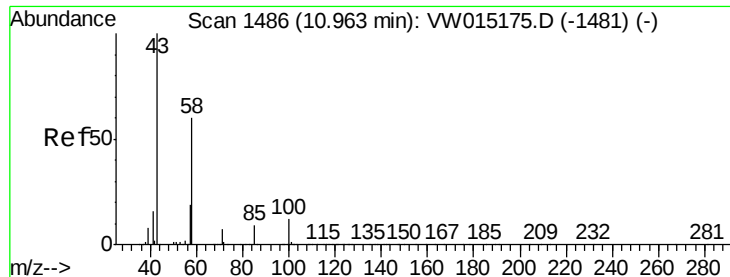
Tot Ion:	97	Resp:	32806
Ion	Ratio	Lower	Upper
97	100		
83	85.3	59.8	111.0
85	57.2	39.8	73.8
99	60.5	44.4	82.4



#47
Tetrachloroethene
Concen: 2.635 ug/L
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW015173.D
Acq: 10 Apr 2020 10:31

Tgt Ion:	164	Resp:	37641
Ion	Ratio	Lower	Upper
164	100		
129	102.5	70.7	131.3
131	106.1	67.6	125.6
166	137.5	89.3	165.9

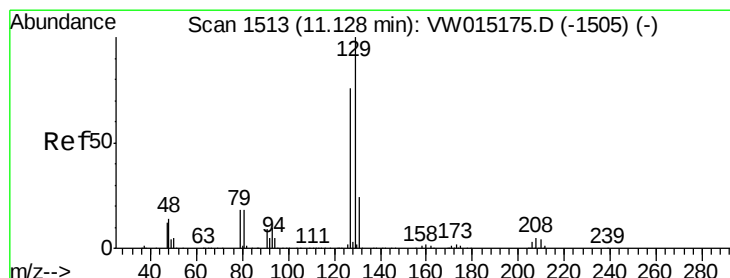
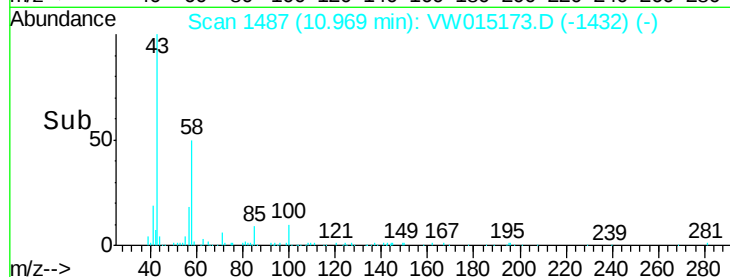
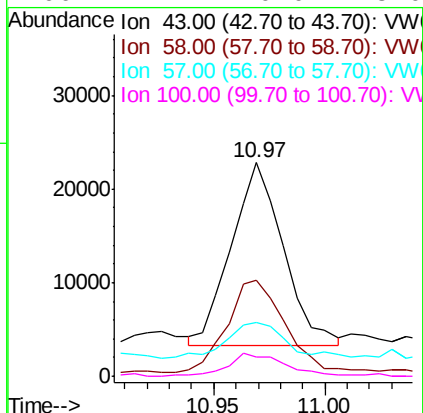
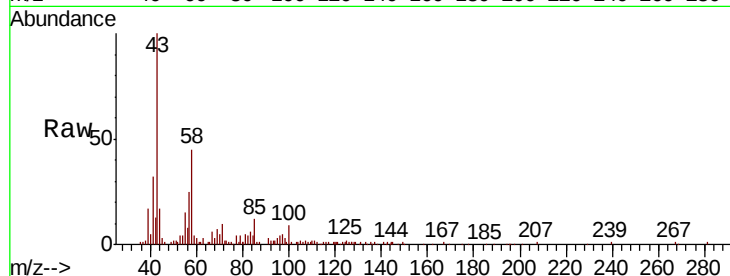




#49
2-Hexanone
Concen: 3.552 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.01 min
Lab File: VW015173.D
Acq: 10 Apr 2020 10:31

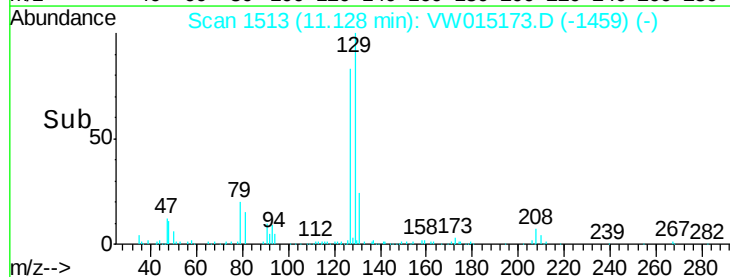
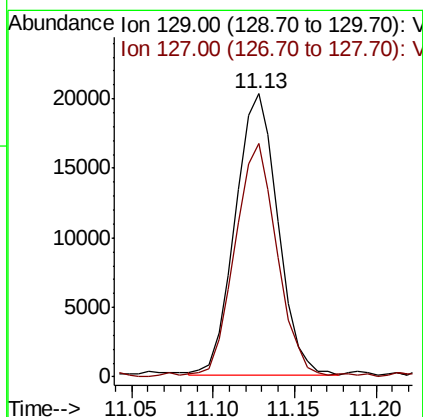
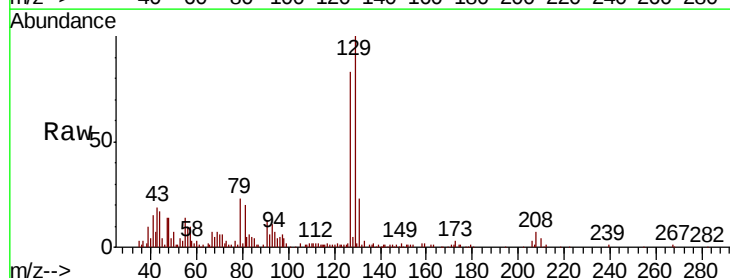
Instrument :
MSVOA_W
ClientSampleId :

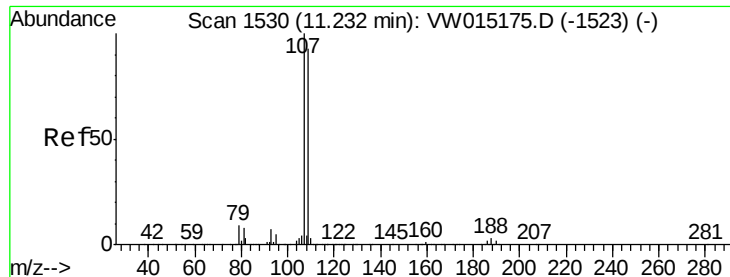
Tot Ion: 43 Resp: 31651
Ion Ratio Lower Upper
43 100
58 54.5 45.4 68.2
57 22.5 15.2 22.8
100 14.1 10.0 15.0



#50
Dibromochloromethane
Concen: 2.415 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW015173.D
Acq: 10 Apr 2020 10:31

Tgt Ion: 129 Resp: 36671
Ion Ratio Lower Upper
129 100
127 82.6 53.1 98.7

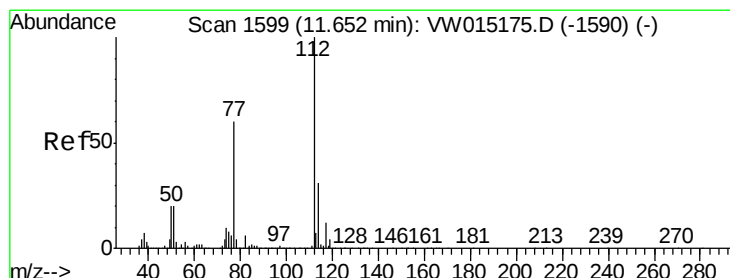
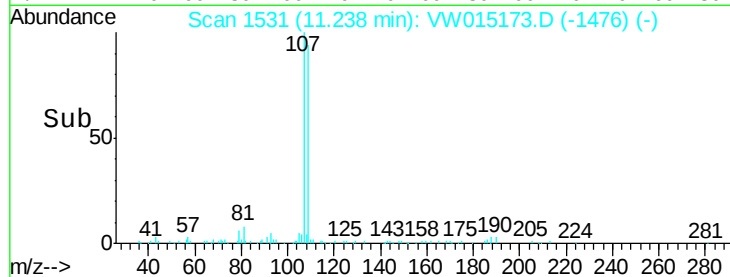
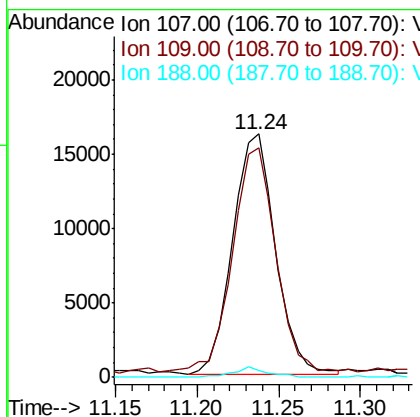
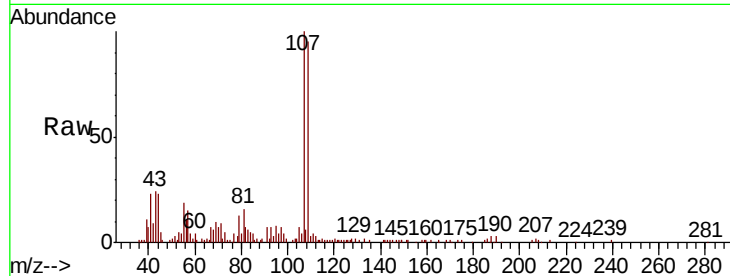




#51
 1,2-Dibromoethane
 Concen: 2.288 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VW015173.D
 Acq: 10 Apr 2020 10:31

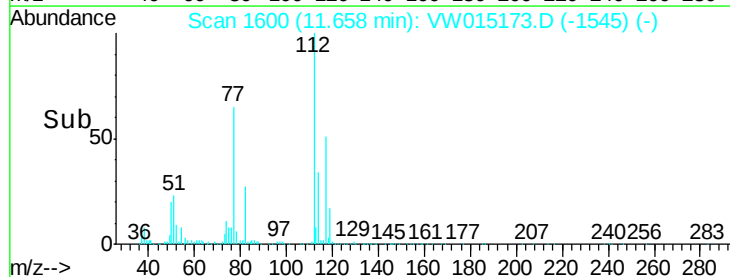
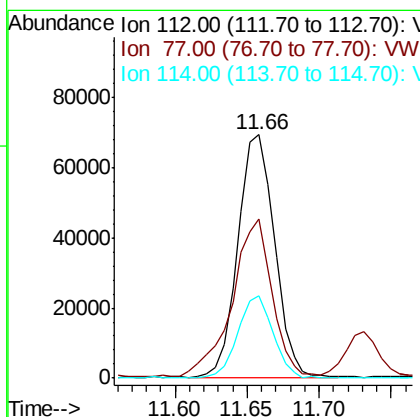
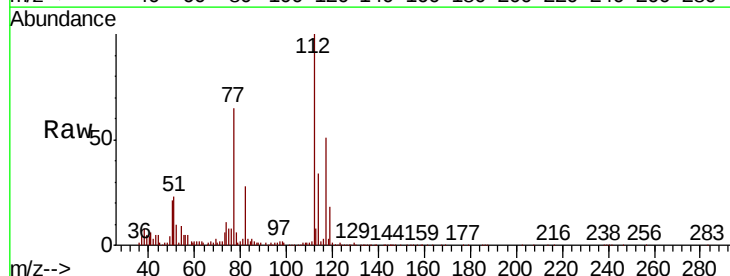
Instrument :
 MSVOA_W
 ClientSampleId :

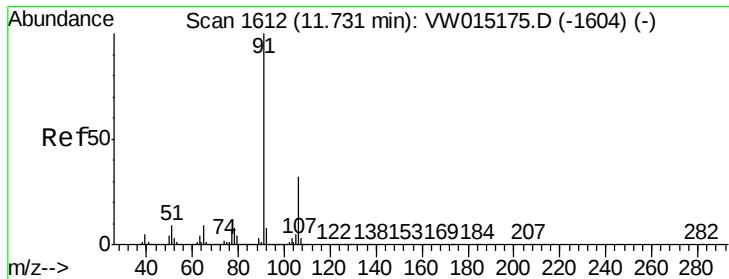
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.5	65.0	120.8
188	2.8	2.6	4.0



#52
 Chlorobenzene
 Concen: 2.359 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.01 min
 Lab File: VW015173.D
 Acq: 10 Apr 2020 10:31

Tgt Ion	Ratio	Lower	Upper
112	100		
77	65.1	47.8	71.8
114	33.6	21.8	40.6





#53

Ethylbenzene

Concen: 2.422 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW015173.D

Acq: 10 Apr 2020 10:31

Instrument :

MSVOA_W

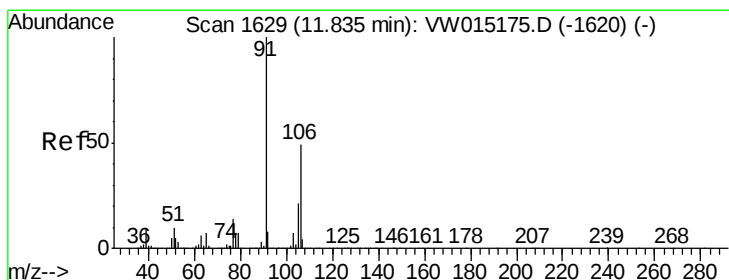
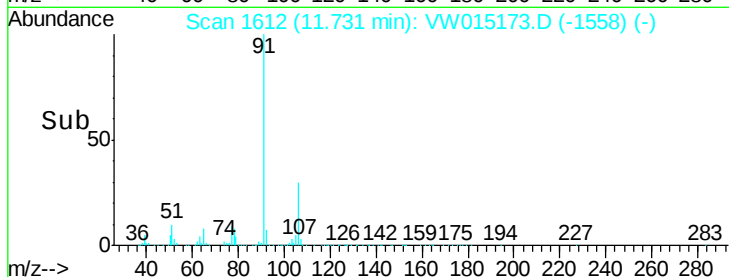
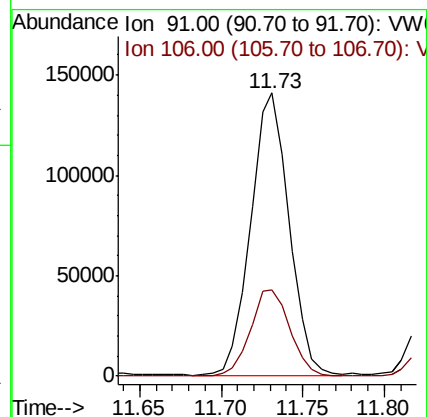
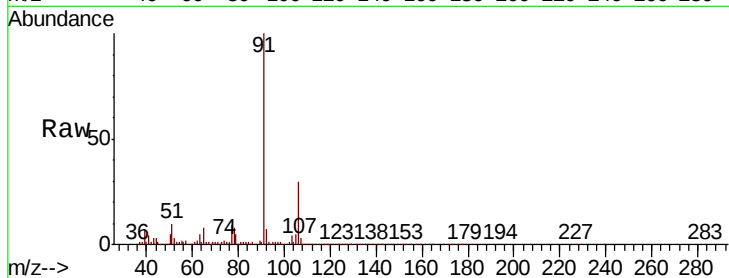
ClientSampled :

Tot Ion: 91 Resp: 229426

Ion Ratio Lower Upper

91 100

106 30.4 22.5 41.7



#54

m,p-Xylene

Concen: 2.513 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VW015173.D

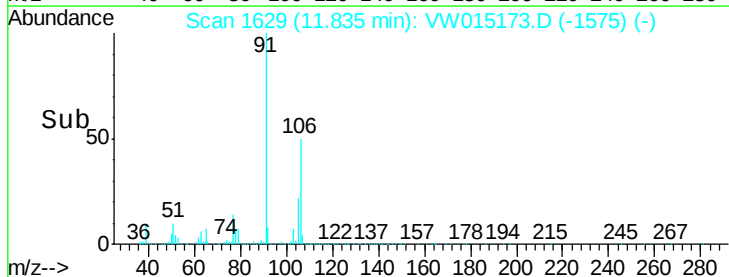
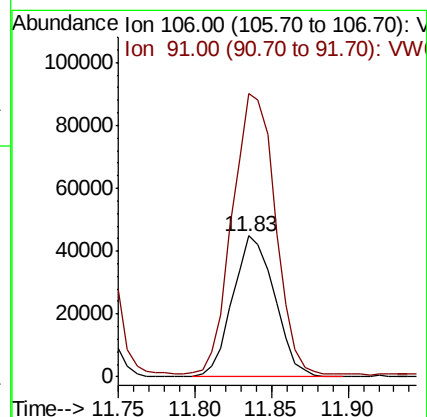
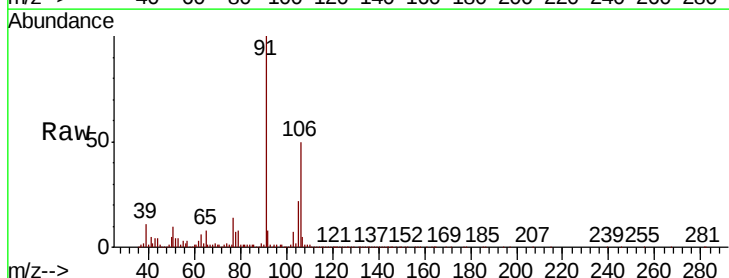
Acq: 10 Apr 2020 10:31

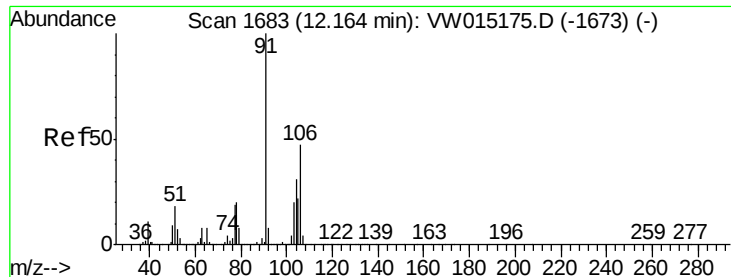
Tgt Ion: 106 Resp: 84720

Ion Ratio Lower Upper

106 100

91 200.8 142.7 264.9





#55

o-xylene

Concen: 2.627 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW015173.D

Acq: 10 Apr 2020 10:31

Instrument :

MSVOA_W

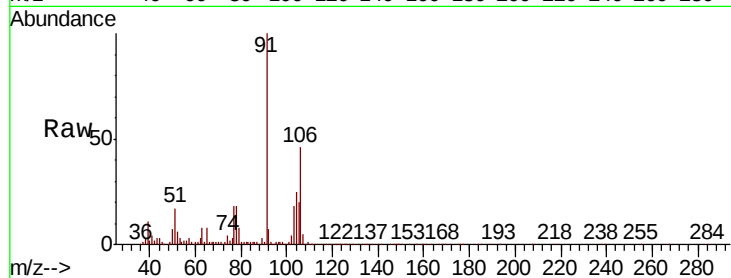
ClientSampled :

Tot Ion:106 Resp: 83445

Ion Ratio Lower Upper

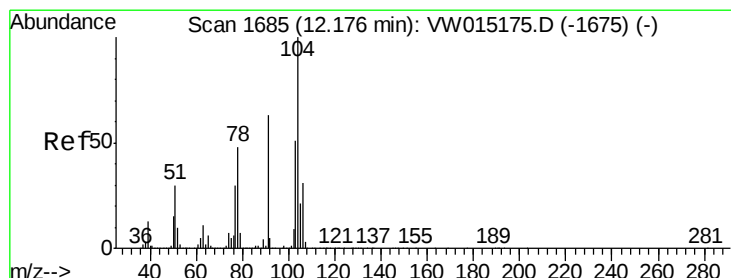
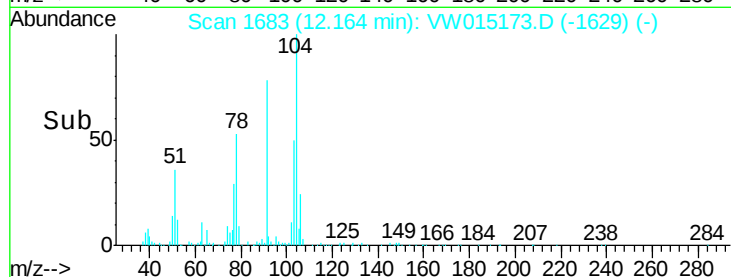
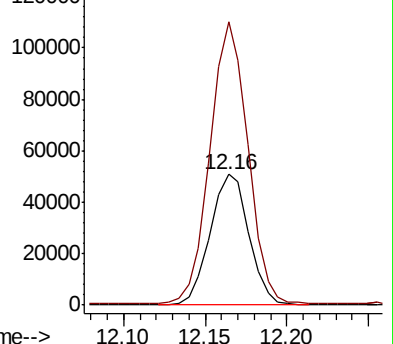
106 100

91 216.3 150.1 278.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 2.584 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VW015173.D

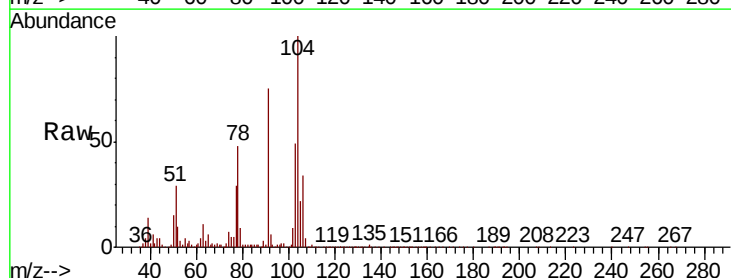
Acq: 10 Apr 2020 10:31

Tgt Ion:104 Resp: 138857

Ion Ratio Lower Upper

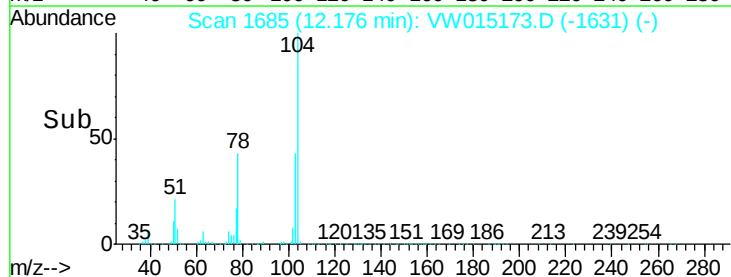
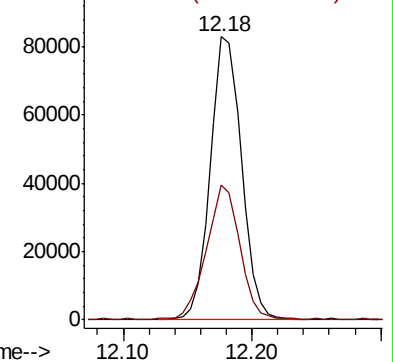
104 100

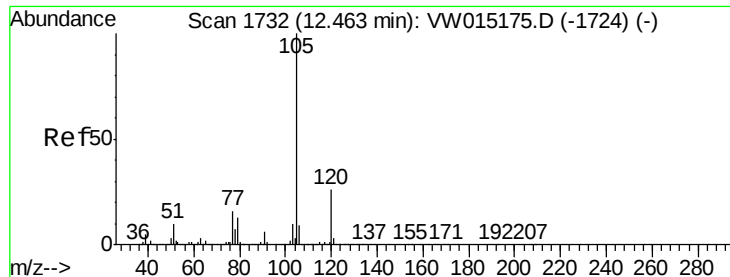
78 47.8 33.9 63.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 2.576 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW015173.D

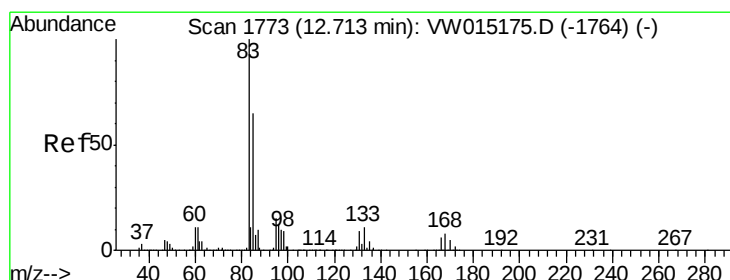
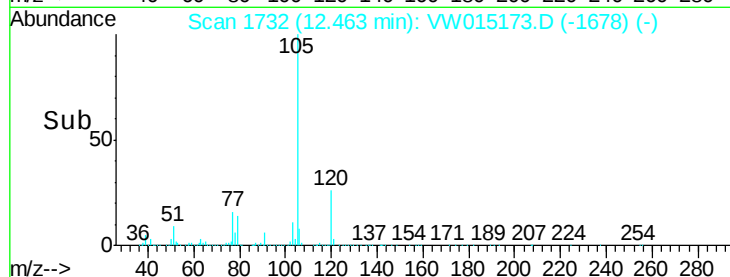
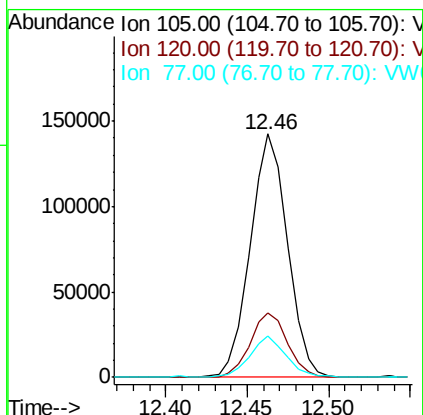
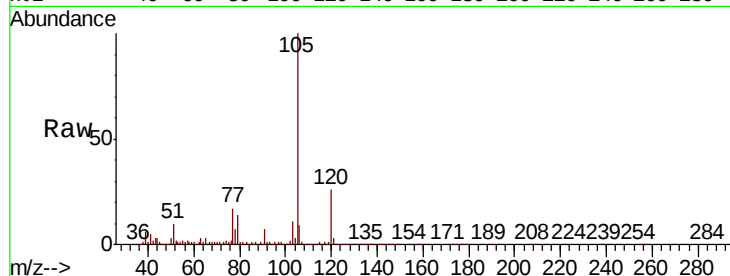
Acq: 10 Apr 2020 10:31

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:	105	Resp:	224307
Ion	Ratio	Lower	Upper
105	100		
120	26.4	21.4	32.2
77	15.9	12.8	19.2



#58

1,1,2,2-Tetrachloroethane

Concen: 2.034 ug/L

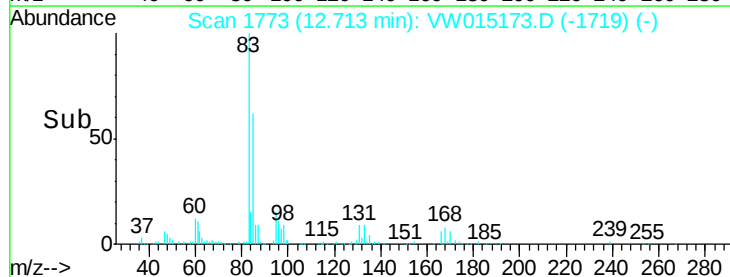
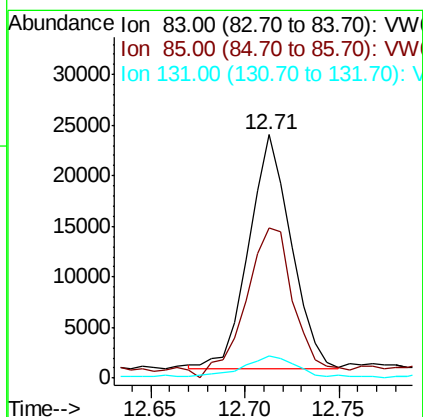
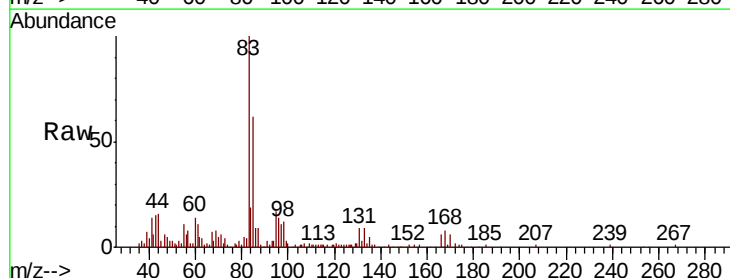
RT: 12.71 min Scan# 1773

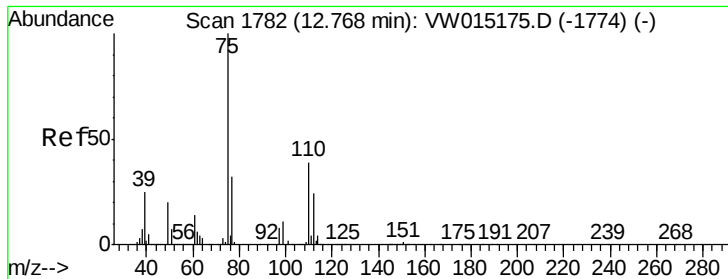
Delta R.T. -0.00 min

Lab File: VW015173.D

Acq: 10 Apr 2020 10:31

Tgt Ion:	83	Resp:	36202
Ion	Ratio	Lower	Upper
83	100		
85	61.8	45.8	85.0
131	8.9	7.2	10.8





#59

1,2,3-Trichloropropane

Concen: 1.921 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW015173.D

Acq: 10 Apr 2020 10:31

Instrument :

MSVOA_W

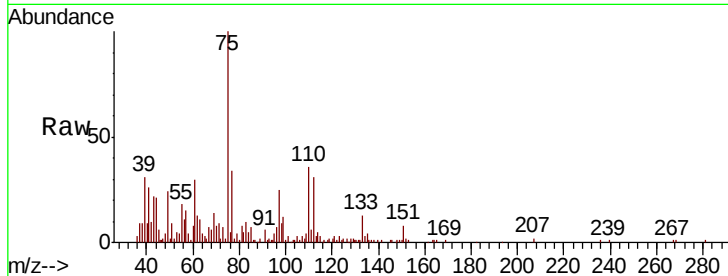
ClientSampleId :

Tot Ion: 75 Resp: 25586

Ion Ratio Lower Upper

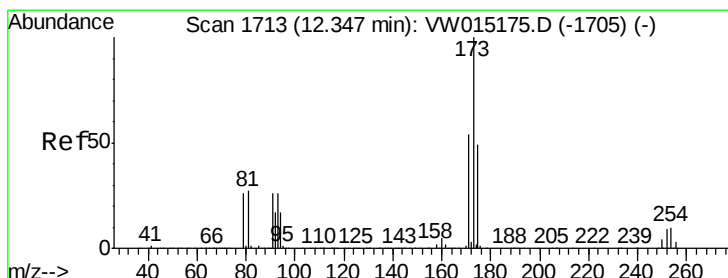
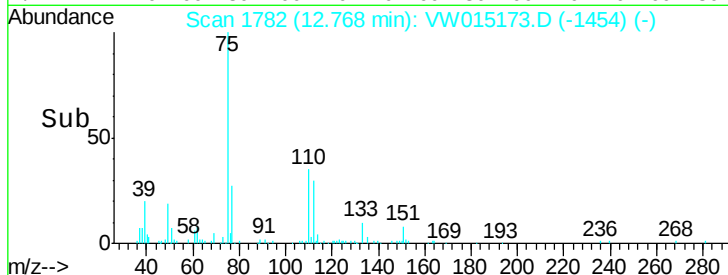
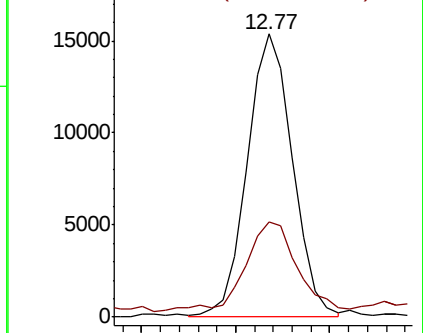
75 100

77 32.3 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#62

Bromoform

Concen: 2.714 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW015173.D

Acq: 10 Apr 2020 10:31

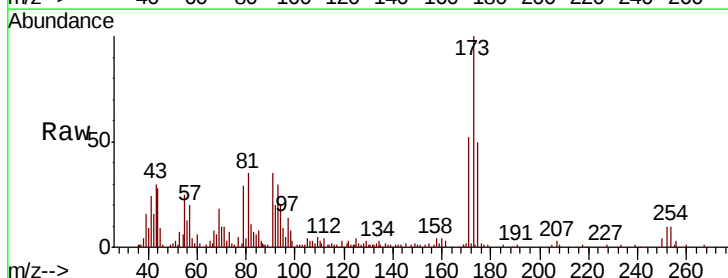
Tgt Ion: 173 Resp: 20739

Ion Ratio Lower Upper

173 100

175 49.3 38.5 57.7

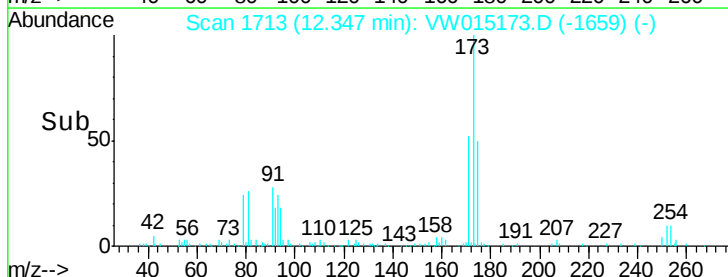
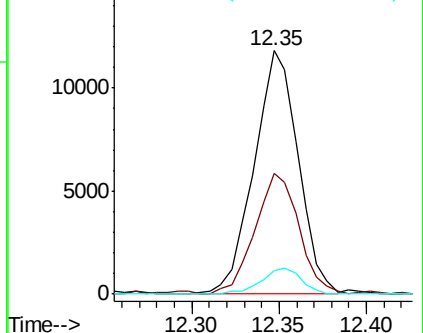
254 9.7 7.2 10.8

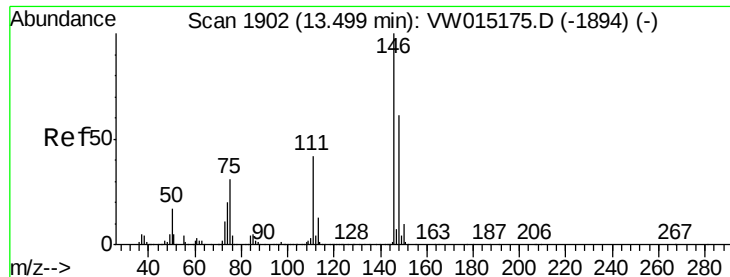


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

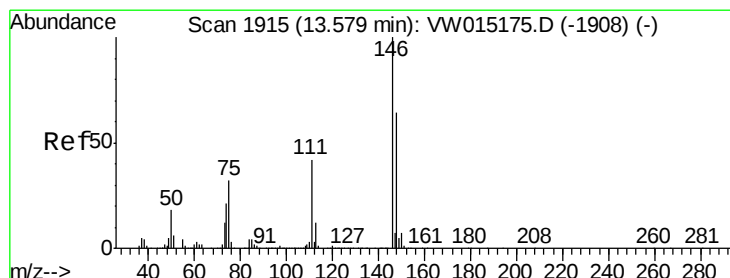
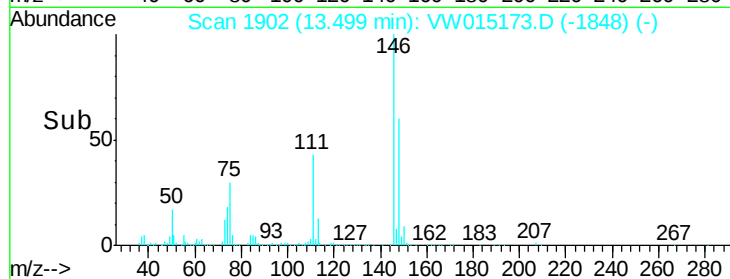
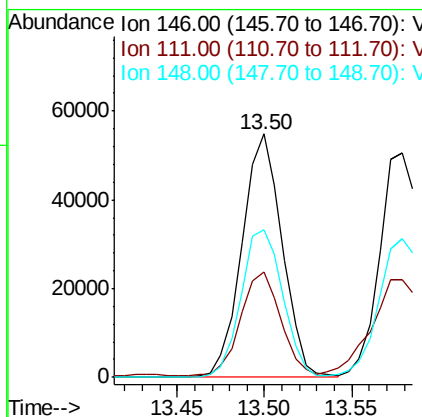
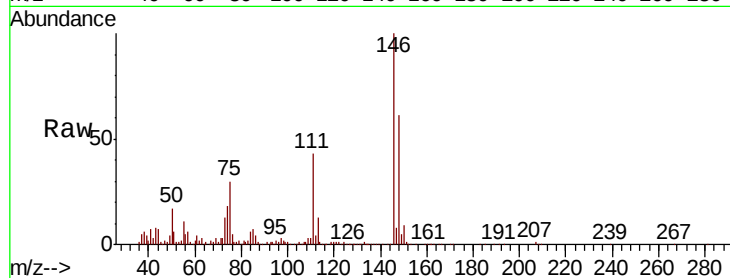




#63
 1,3-Dichlorobenzene
 Concen: 2.582 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW015173.D
 Acq: 10 Apr 2020 10:31

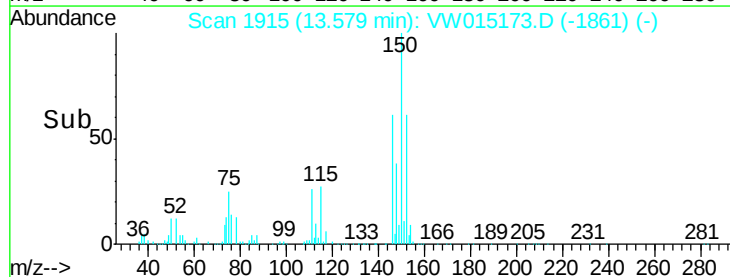
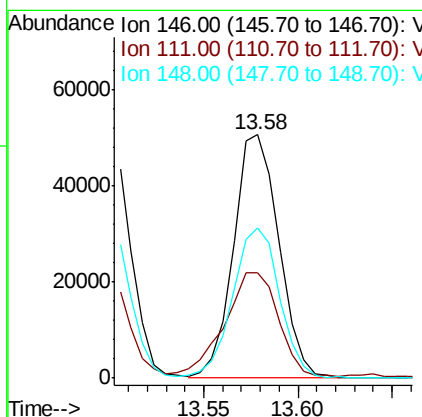
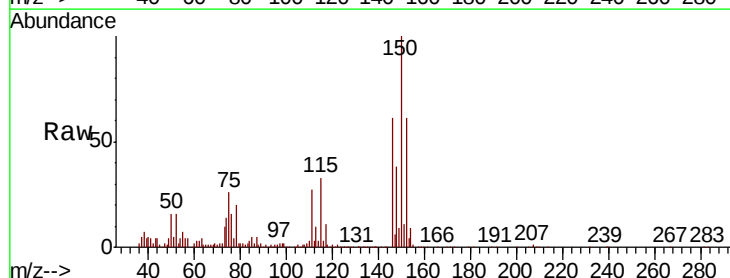
Instrument :
 MSVOA_W
 ClientSampleId :

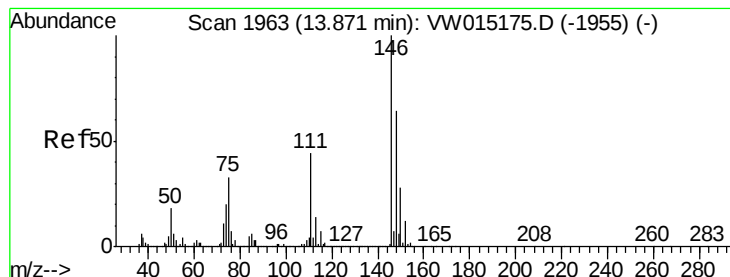
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.3	29.3	54.3
148	60.6	42.9	79.7



#64
 1,4-Dichlorobenzene
 Concen: 2.458 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW015173.D
 Acq: 10 Apr 2020 10:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.5	29.4	54.6
148	61.6	44.8	83.2





#65

1,2-Dichlorobenzene

Concen: 2.504 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW015173.D

Acq: 10 Apr 2020 10:31

Instrument :

MSVOA_W

ClientSampleId :

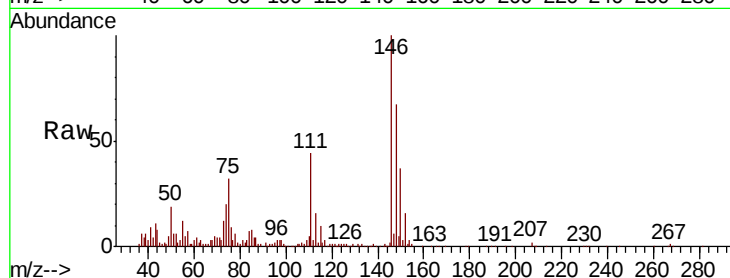
Tot Ion:146 Resp: 76664

Ion Ratio Lower Upper

146 100

111 44.4 35.2 52.8

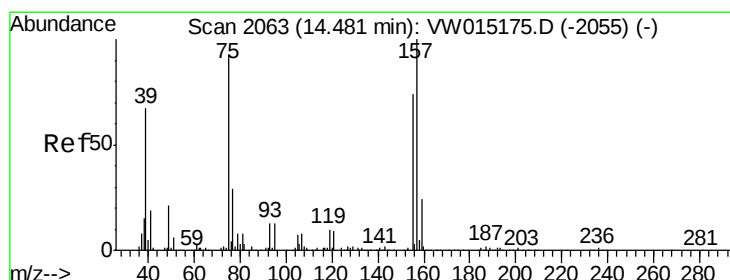
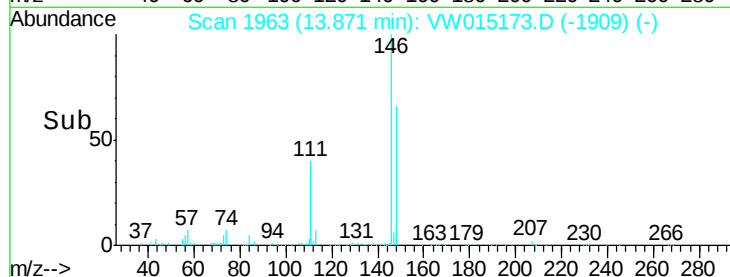
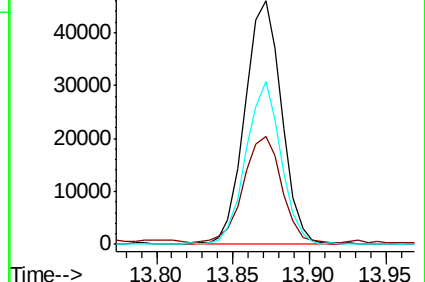
148 67.2 51.6 77.4



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



#66

1,2-Dibromo-3-chloropropane

Concen: 2.075 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. 0.01 min

Lab File: VW015173.D

Acq: 10 Apr 2020 10:31

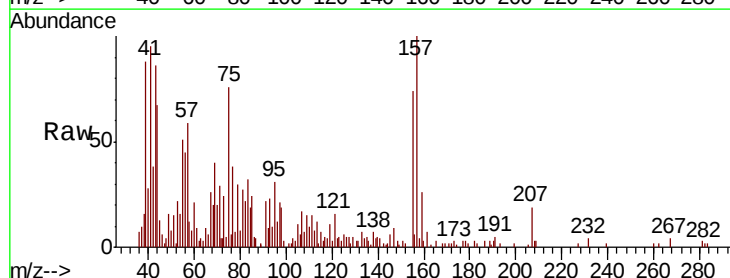
Tgt Ion: 75 Resp: 5953

Ion Ratio Lower Upper

75 100

157 131.3 85.7 128.5#

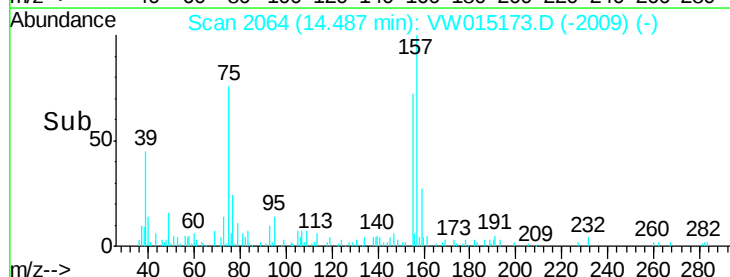
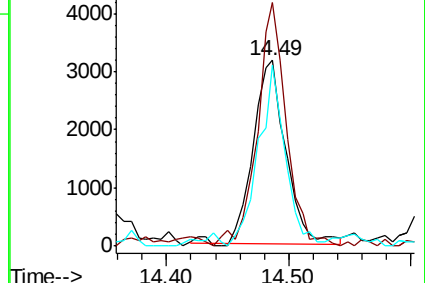
155 97.2 63.8 95.6#

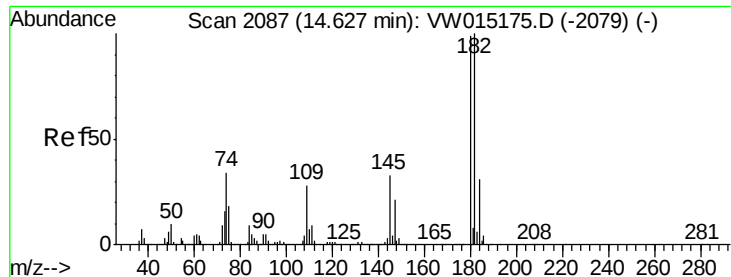


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

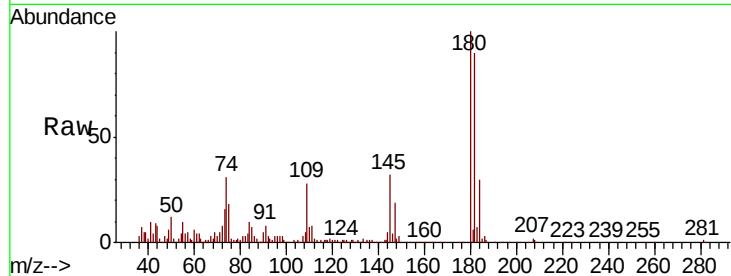




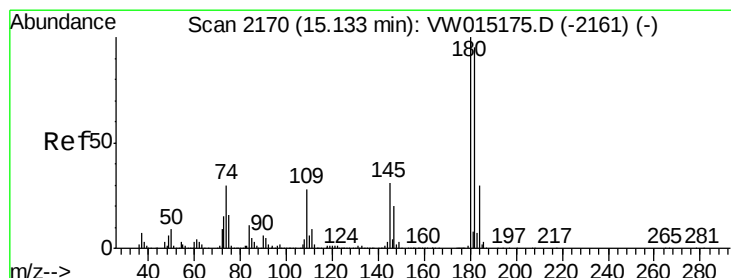
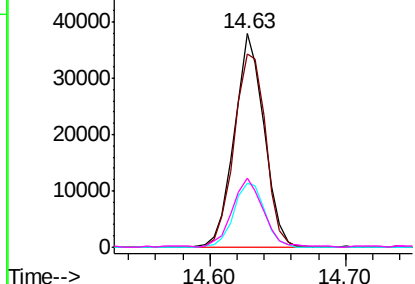
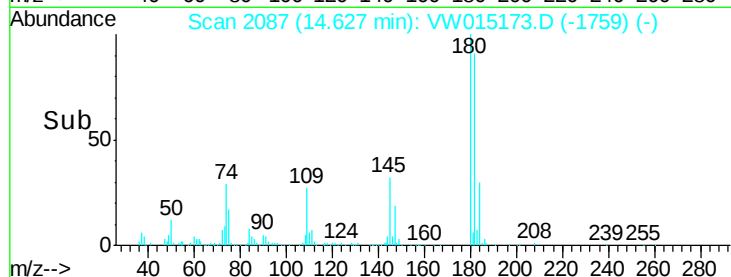
#67
 1,3,5-Trichlorobenzene
 Concen: 2.597 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW015173.D
 Acq: 10 Apr 2020 10:31

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:	180	Resp:	57881
Ion	Ratio	Lower	Upper
180	100		
182	95.6	77.1	115.7
184	31.1	24.5	36.7
145	32.6	25.4	38.2

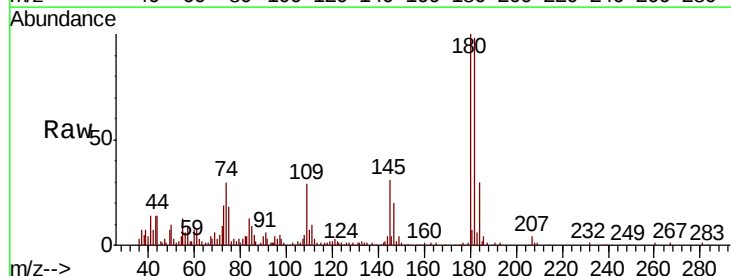


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

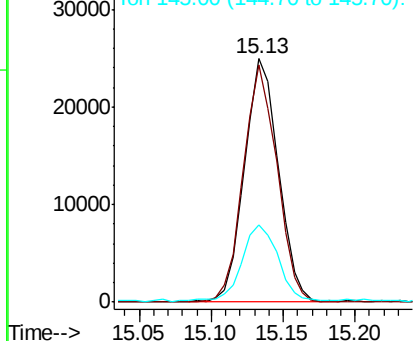
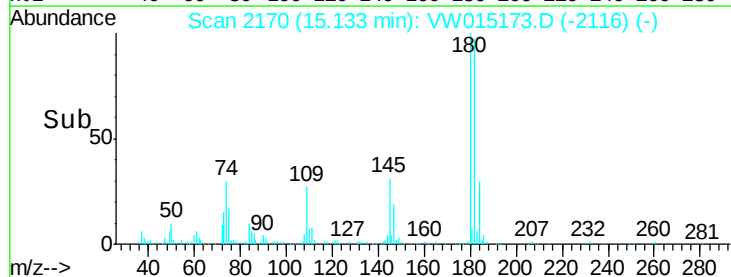


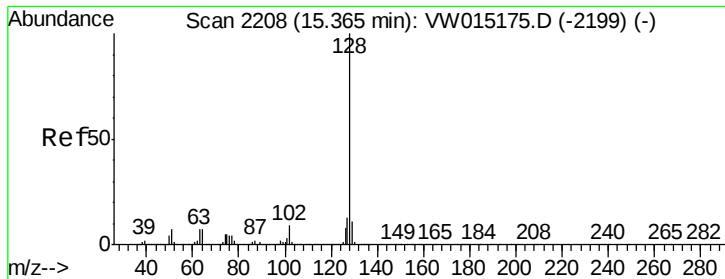
#68
 1,2,4-trichlorobenzene
 Concen: 2.394 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW015173.D
 Acq: 10 Apr 2020 10:31

Tgt Ion:	180	Resp:	40821
Ion	Ratio	Lower	Upper
180	100		
182	96.2	77.7	116.5
145	31.8	25.9	38.9



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

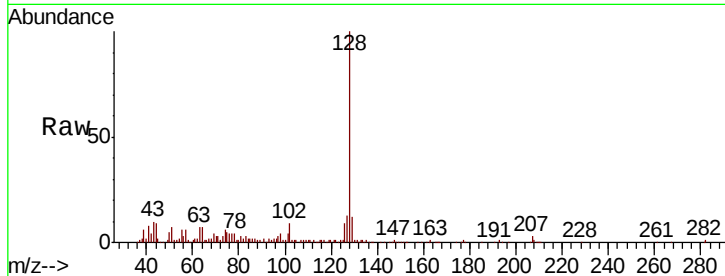




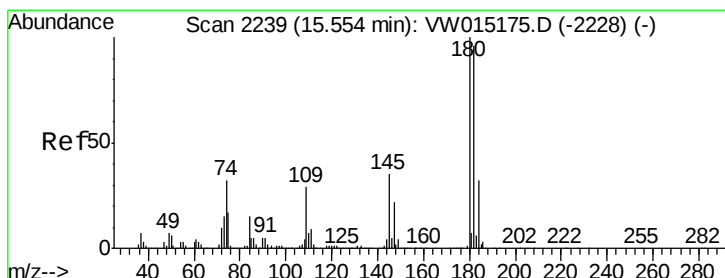
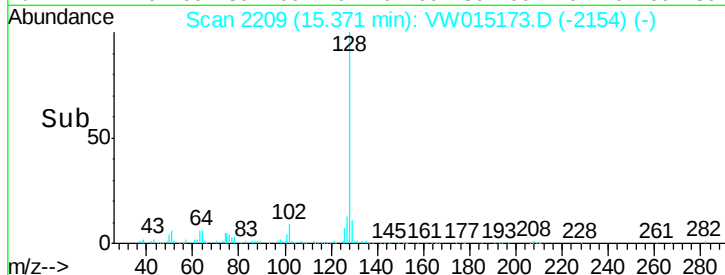
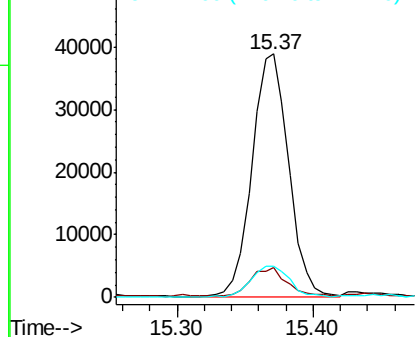
#69
Naphthalene
Concen: 2.191 ug/L
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW015173.D
Acq: 10 Apr 2020 10:31

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:128 Resp: 72897
Ion Ratio Lower Upper
128 100
129 11.9 8.9 13.3
127 13.8 10.4 15.6

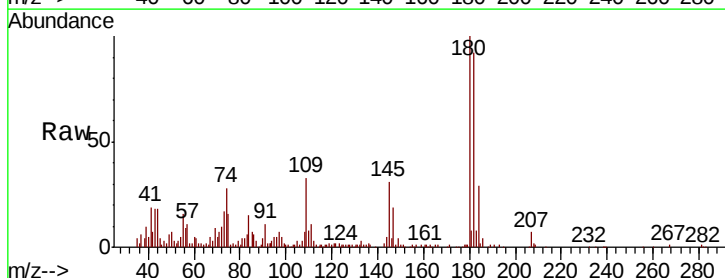


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#70
1,2,3-Trichlorobenzene
Concen: 2.347 ug/L
RT: 15.56 min Scan# 2240
Delta R.T. 0.01 min
Lab File: VW015173.D
Acq: 10 Apr 2020 10:31

Tgt Ion:180 Resp: 36639
Ion Ratio Lower Upper
180 100
182 91.4 75.0 112.6
145 33.8 27.4 41.2



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

