

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW050420\
 Data File : VW015389.D
 Acq On : 04 May 2020 16:25
 Operator : SY/VA
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: May 05 06:28:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM050420S.M
 Quant Title : VOC Analysis
 QLast Update : Mon May 04 16:20:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	355255	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	323335	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	156779	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	114488	25.76	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.04%
7) Chloroethane-d5	2.89	69	108897	25.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.64%
10) 1,1-Dichloroethene-d2	4.01	63	231581	25.62	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	102.48%
20) 2-Butanone-d5	7.07	46	61102	51.47	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.94%
24) Chloroform-d	7.65	84	233041	25.97	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	103.88%
26) 1,2-Dichloroethane-d4	8.30	65	128491	25.83	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	103.32%
29) Benzene-d6	8.27	84	460456	26.03	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	104.12%
33) 1,2-Dichloropropane-d6	9.27	67	139637	26.04	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	104.16%
37) Toluene-d8	10.32	98	433951	25.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.04%
38) trans-1,3-Dichloropropene-	10.58	79	63481	26.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	104.04%
39) 2-Hexanone-d5	10.92	63	50638	51.13	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.26%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	104788	25.95	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	103.80%
61) 1,2-Dichlorobenzene-d4	13.85	152	142409	25.91	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.64%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	87480	28.059	ug/L	98
3) Chloromethane	2.21	50	84080	25.203	ug/L	99
5) Vinyl chloride	2.37	62	136146	26.265	ug/L	99
6) Bromomethane	2.78	94	87605	24.565	ug/L	99
8) Chloroethane	2.93	64	89176	25.739	ug/L	100
9) Trichlorofluoromethane	3.26	101	93232	24.672	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	112185	26.645	ug/L	99
12) 1,1-Dichloroethene	4.03	96	110091	25.836	ug/L	96
13) Acetone	4.12	43	44504	49.503	ug/L	99
14) Carbon disulfide	4.38	76	336868	25.452	ug/L	98
15) Methyl Acetate	4.67	43	51178	26.027	ug/L	99
16) Methylene chloride	4.91	84	121021	23.786	ug/L	99
17) Methyl tert-butyl Ether	5.42	73	187979	27.135	ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	120797	26.306	ug/L	97
19) 1,1-Dichloroethane	6.21	63	228171	26.382	ug/L	98
21) 2-Butanone	7.17	43	67450	49.903	ug/L	99
22) cis-1,2-Dichloroethene	7.16	96	132161	26.704	ug/L	98

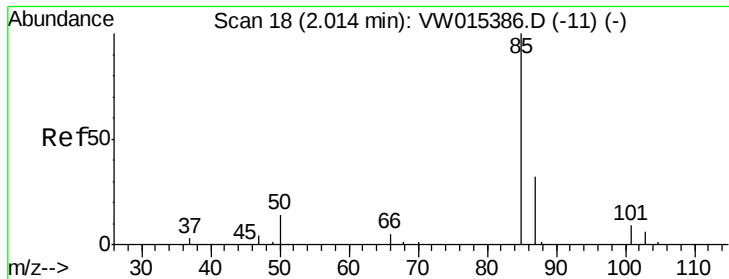
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW050420\
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 Quant Title : VOC Analysis
 QLast Update : Mon May 04 16:20:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	55178	26.749	ug/L	93
25) Chloroform	7.67	83	226568	26.497	ug/L	99
27) 1,2-Dichloroethane	8.40	62	156557	26.908	ug/L	99
30) Cyclohexane	7.95	56	217931	25.767	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	189343	26.093	ug/L	99
32) Carbon tetrachloride	8.07	117	174708	26.457	ug/L	100
34) Benzene	8.32	78	504345	26.662	ug/L	100
35) Trichloroethene	9.09	95	132880	26.213	ug/L	99
36) Methylcyclohexane	9.34	83	235794	26.197	ug/L	98
40) 1,2-Dichloropropane	9.37	63	128241	27.127	ug/L	99
41) Bromodichloromethane	9.64	83	169645	27.186	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	207726	27.211	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	160420	50.648	ug/L	100
44) Toluene	10.38	91	556434	26.914	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	181582	27.294	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	88611	26.736	ug/L	98
47) Tetrachloroethene	10.86	164	99238	26.096	ug/L	95
49) 2-Hexanone	10.97	43	108308	54.271	ug/L	99
50) Dibromochloromethane	11.13	129	107924	26.917	ug/L	97
51) 1,2-Dibromoethane	11.23	107	86431	27.327	ug/L	100
52) Chlorobenzene	11.66	112	348776	26.740	ug/L	98
53) Ethylbenzene	11.73	91	634778	26.326	ug/L	98
54) m,p-Xylene	11.83	106	239700	26.610	ug/L	99
55) o-xylene	12.16	106	233179	26.907	ug/L	98
56) Styrene	12.18	104	402840	27.226	ug/L	99
57) Isopropylbenzene	12.46	105	645044	26.946	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	107278	27.210	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	80067	26.739	ug/L	100
62) Bromoform	12.35	173	62047	26.796	ug/L	96
63) 1,3-Dichlorobenzene	13.50	146	263497	26.431	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	258966	26.093	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	234990	26.796	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	18763	26.544	ug/L	99
67) 1,3,5-Trichlorobenzene	14.63	180	183951	26.836	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	160175	28.300	ug/L	94
69) Naphthalene	15.36	128	295971	27.865	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	133611	27.400	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 28.059 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW015389.D

Acq: 04 May 2020 16:25

Instrument :

MSVOA_W

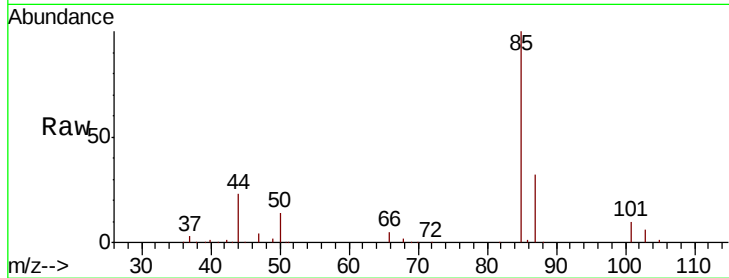
ClientSampleId :

Tot Ion: 85 Resp: 87480

Ion Ratio Lower Upper

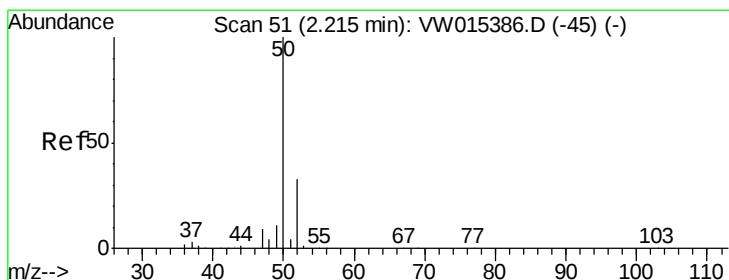
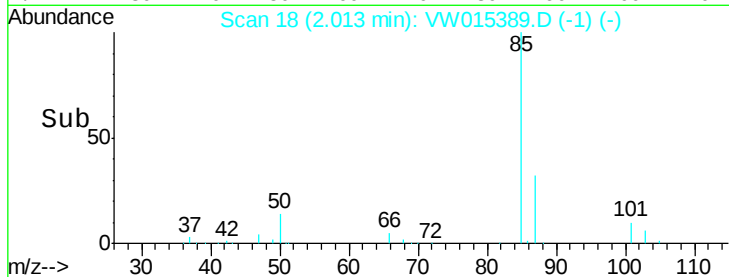
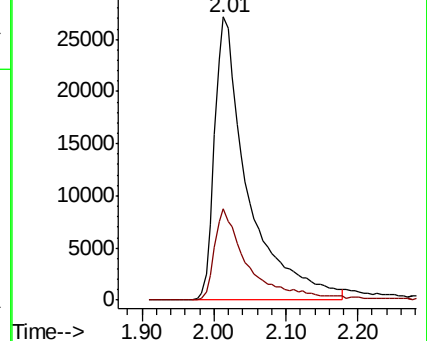
85 100

87 29.4 21.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 25.203 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW015389.D

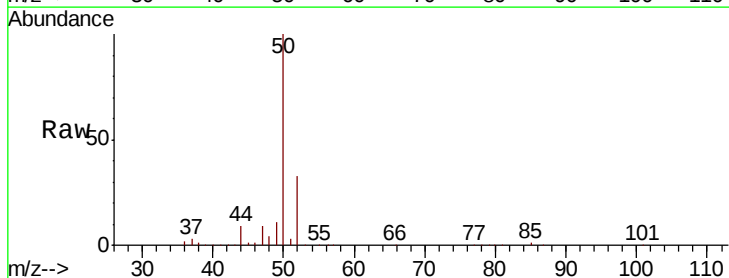
Acq: 04 May 2020 16:25

Tgt Ion: 50 Resp: 84080

Ion Ratio Lower Upper

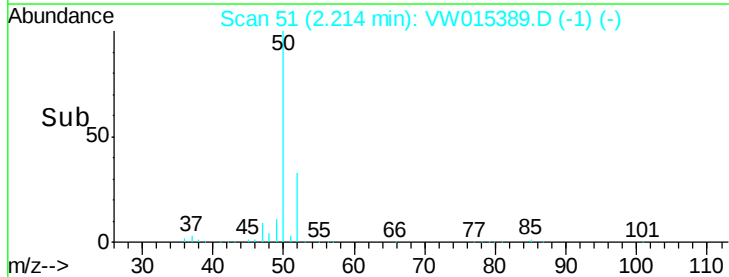
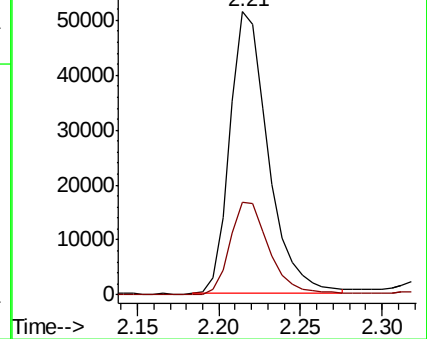
50 100

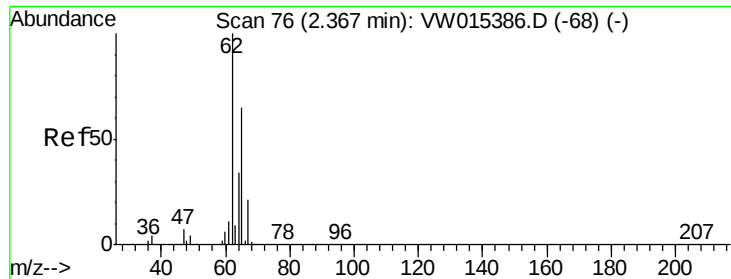
52 32.7 23.2 43.0



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 26.265 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW015389.D

Acq: 04 May 2020 16:25

Instrument :

MSVOA_W

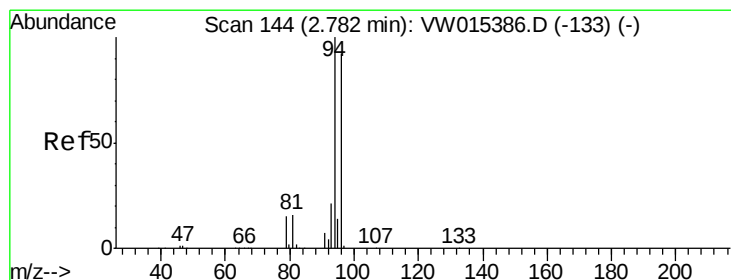
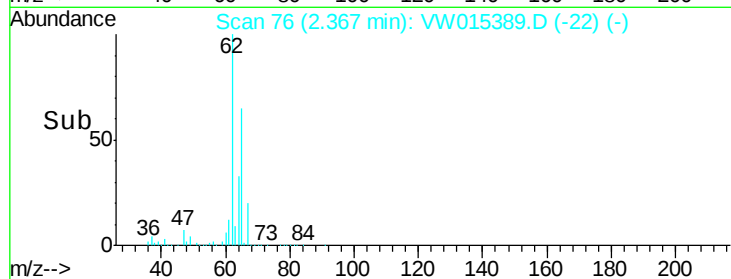
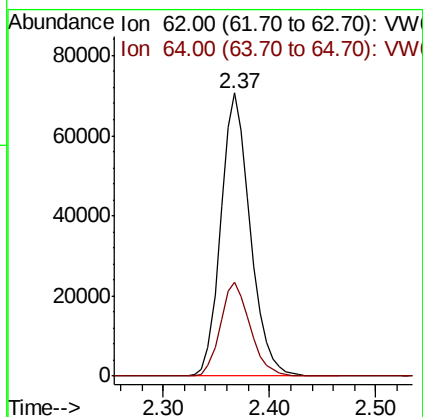
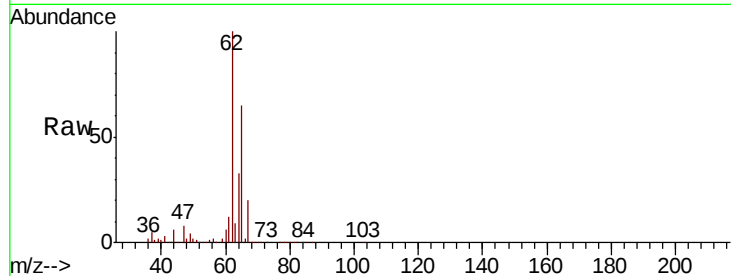
ClientSampleId :

Tot Ion: 62 Resp: 136146

Ion Ratio Lower Upper

62 100

64 33.1 23.7 44.1



#6

Bromomethane

Concen: 24.565 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW015389.D

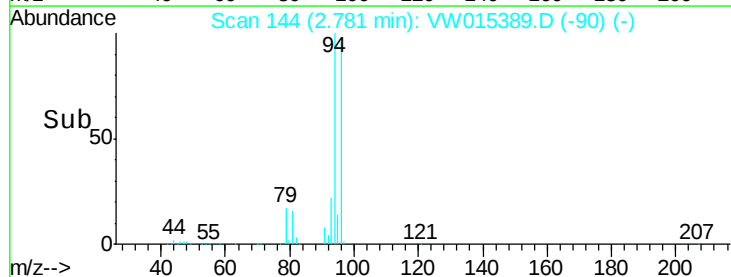
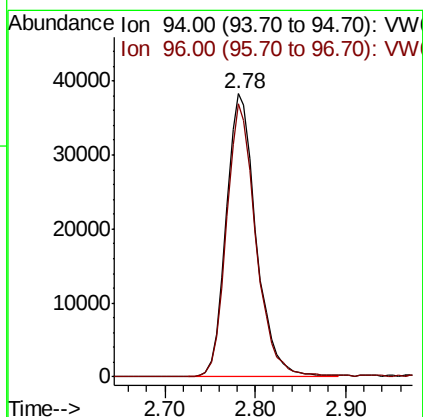
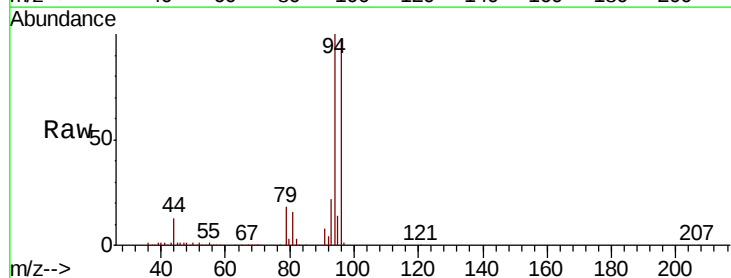
Acq: 04 May 2020 16:25

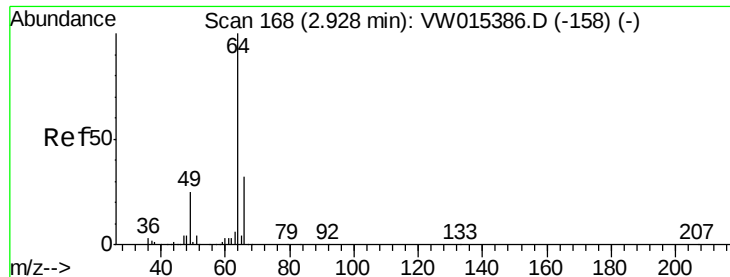
Tgt Ion: 94 Resp: 87605

Ion Ratio Lower Upper

94 100

96 94.6 9.3 177.7





#8

Chloroethane

Concen: 25.739 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW015389.D

Acq: 04 May 2020 16:25

Instrument :

MSVOA_W

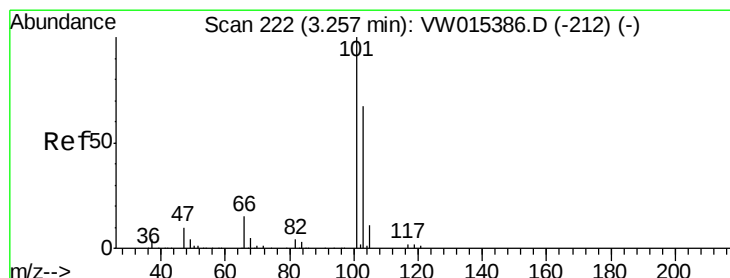
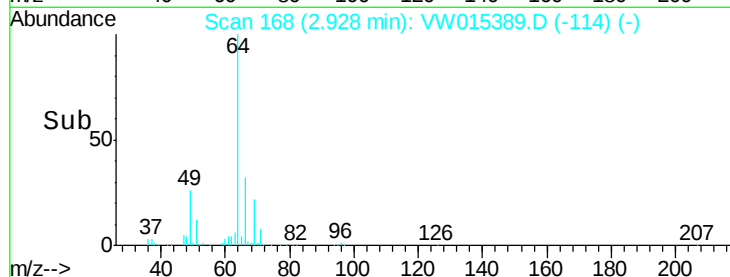
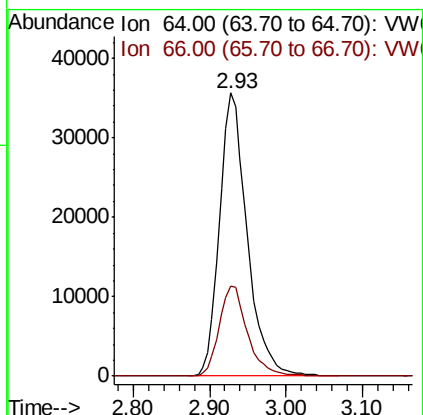
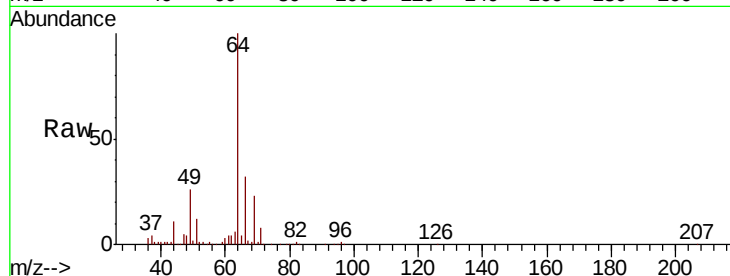
ClientSampled :

Tot Ion: 64 Resp: 89176

Ion Ratio Lower Upper

64 100

66 31.8 22.3 41.3



#9

Trichlorofluoromethane

Concen: 24.672 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.01 min

Lab File: VW015389.D

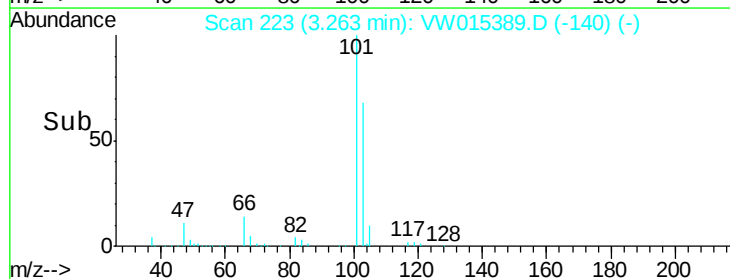
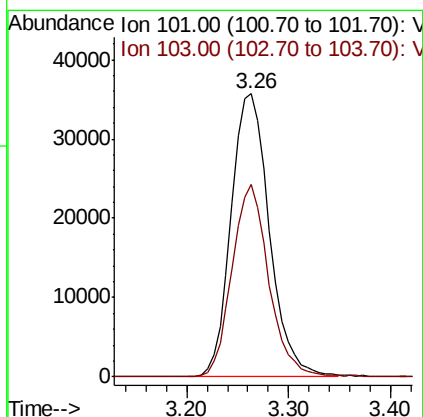
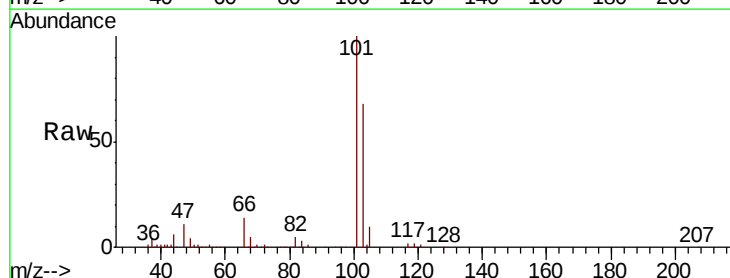
Acq: 04 May 2020 16:25

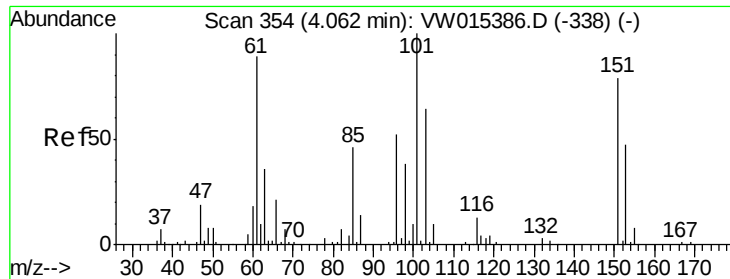
Tgt Ion: 101 Resp: 93232

Ion Ratio Lower Upper

101 100

103 65.3 45.5 84.5





#11

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

Concen: 26.645 ug/L

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW015389.D

Acq: 04 May 2020 16:25

Instrument :

MSVOA_W

ClientSampleId :

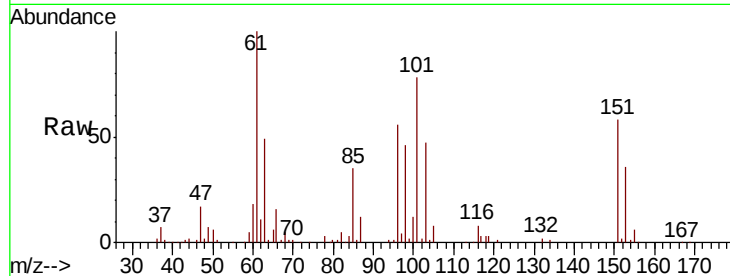
Tot Ion:101 Resp: 112185

Ion Ratio Lower Upper

101 100

85 44.9 36.0 54.0

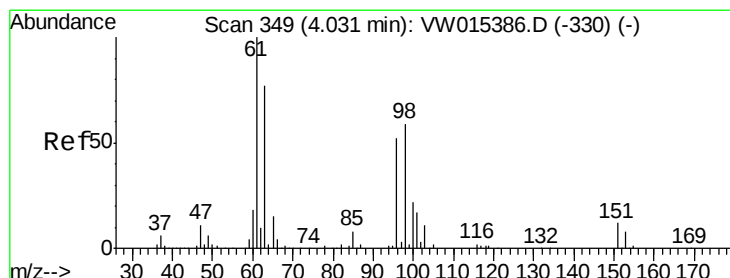
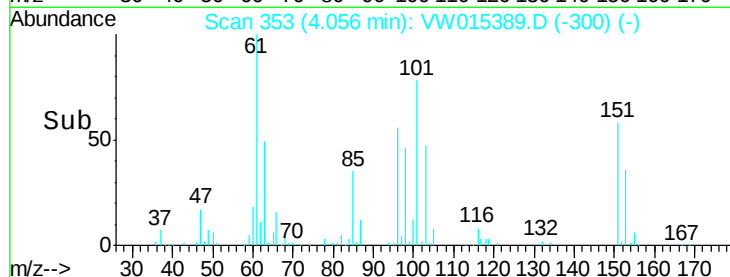
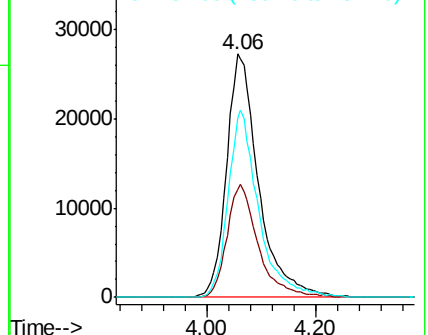
151 73.2 57.1 85.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 25.836 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.00 min

Lab File: VW015389.D

Acq: 04 May 2020 16:25

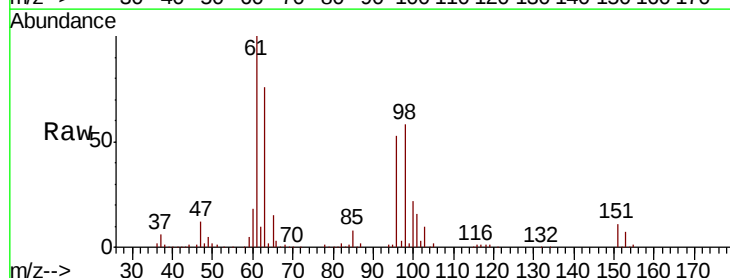
Tgt Ion: 96 Resp: 110091

Ion Ratio Lower Upper

96 100

61 188.3 135.9 252.5

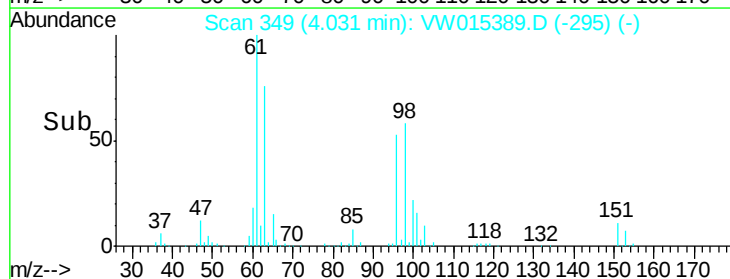
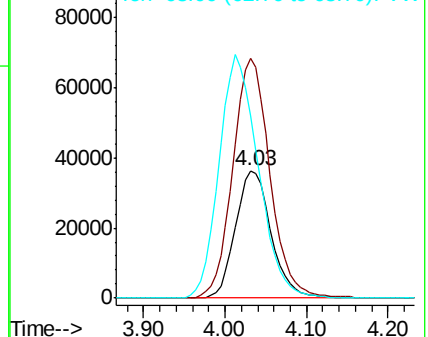
63 142.9 104.4 194.0

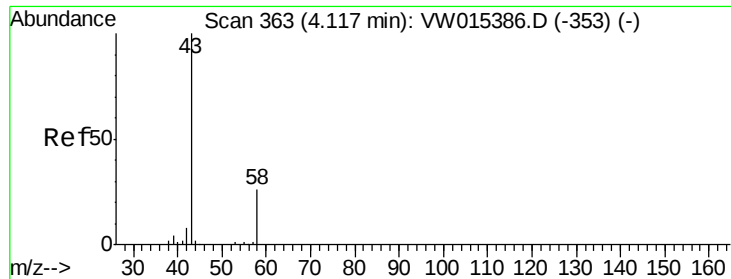


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW

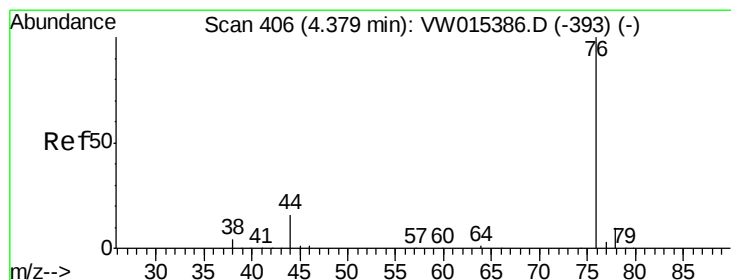
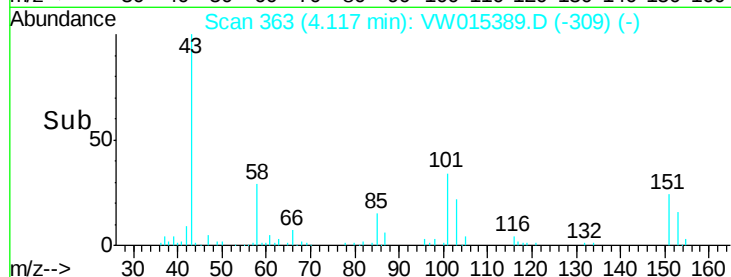
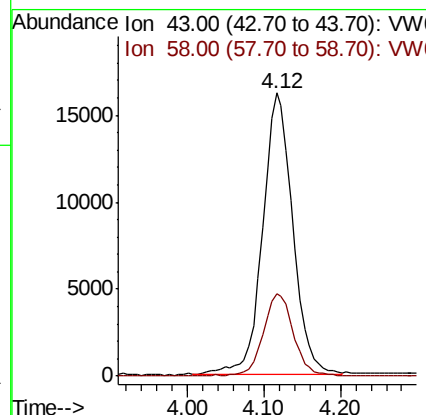
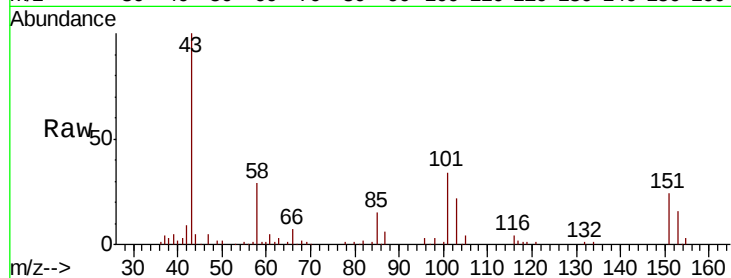




#13
Acetone
Concen: 49.503 ug/L
RT: 4.12 min Scan# 363
Delta R.T. -0.00 min
Lab File: VW015389.D
Acq: 04 May 2020 16:25

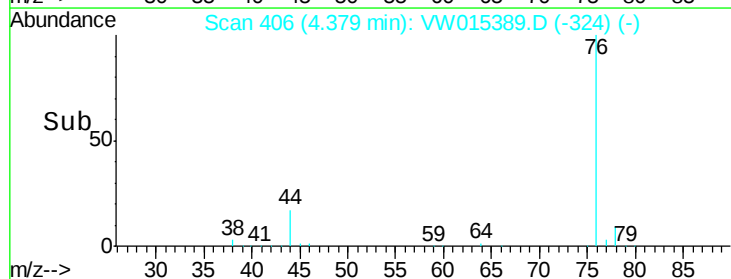
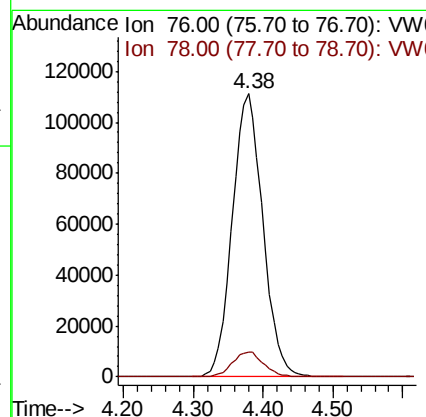
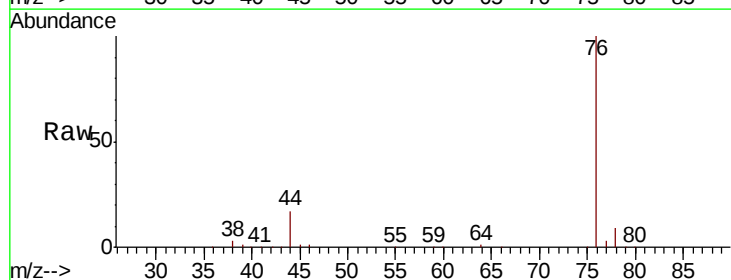
Instrument :
MSVOA_W
ClientSampleId :

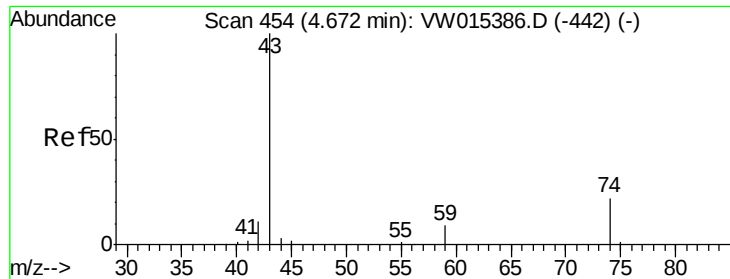
Tot Ion: 43 Resp: 44504
Ion Ratio Lower Upper
43 100
58 29.2 0.0 57.0



#14
Carbon disulfide
Concen: 25.452 ug/L
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW015389.D
Acq: 04 May 2020 16:25

Tgt Ion: 76 Resp: 336868
Ion Ratio Lower Upper
76 100
78 8.8 7.6 11.4





#15

Methyl Acetate

Concen: 26.027 ug/L

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW015389.D

Acq: 04 May 2020 16:25

Instrument :

MSVOA_W

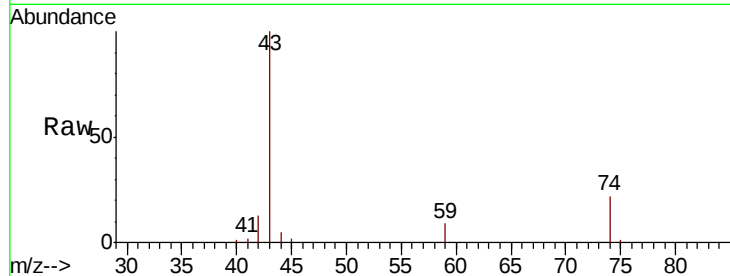
ClientSampleId :

Tot Ion: 43 Resp: 51178

Ion Ratio Lower Upper

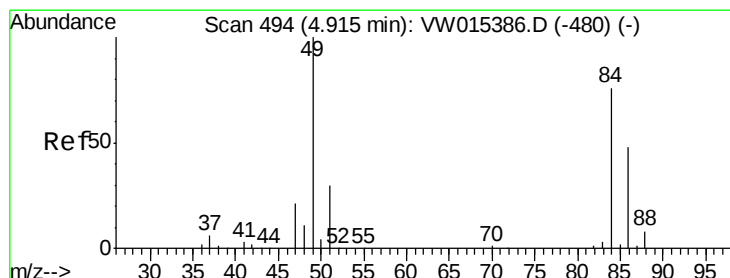
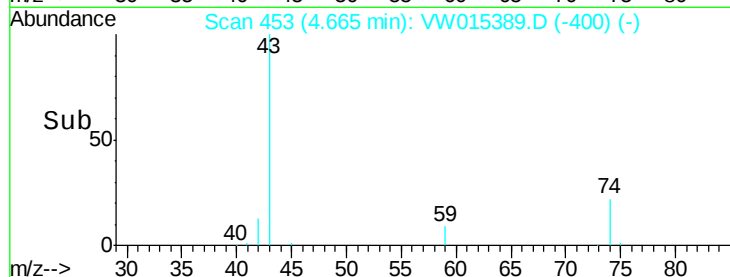
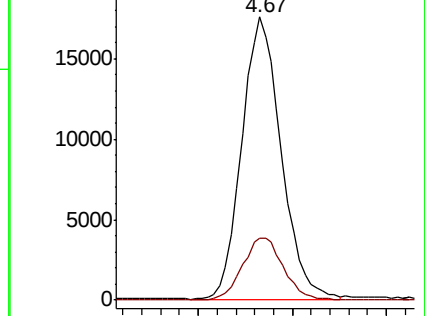
43 100

74 22.6 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 23.786 ug/L

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW015389.D

Acq: 04 May 2020 16:25

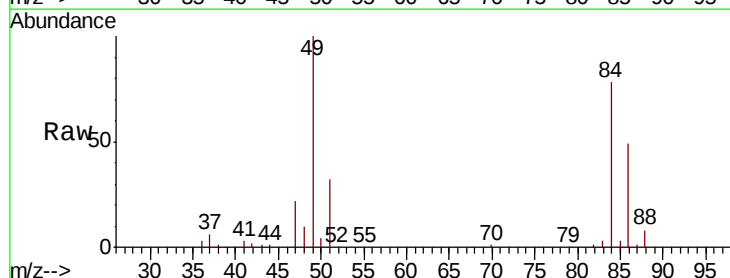
Tgt Ion: 84 Resp: 121021

Ion Ratio Lower Upper

84 100

49 129.0 91.6 170.2

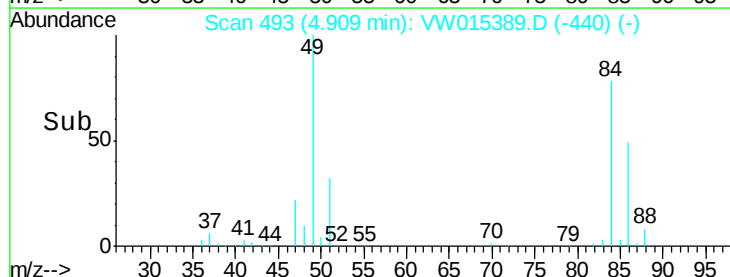
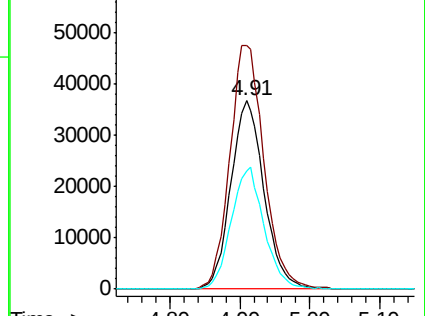
86 63.0 44.0 81.8

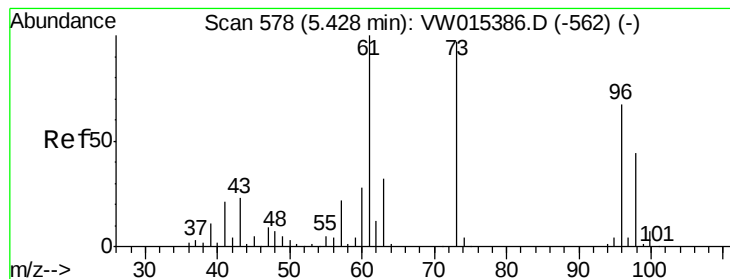


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW



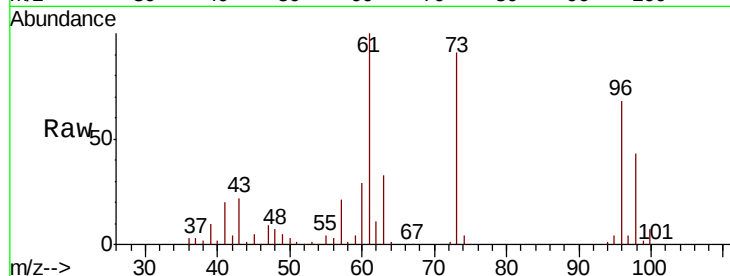


#17

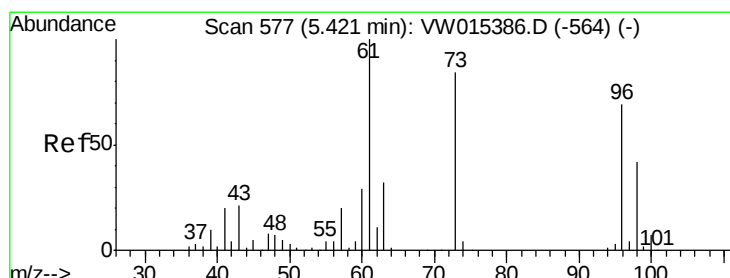
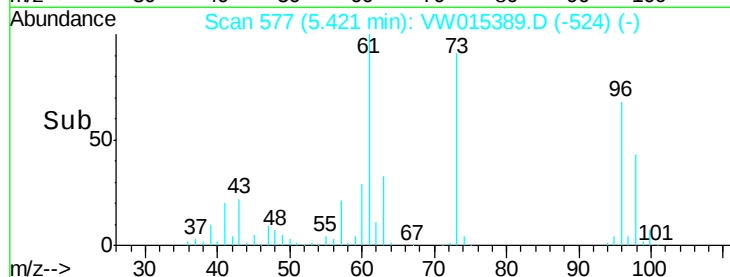
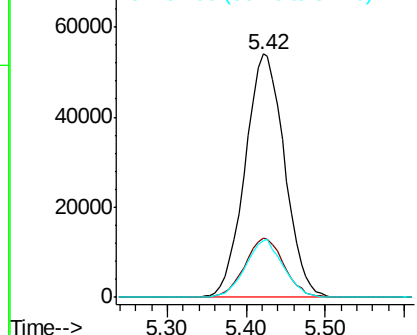
Methvl tert-butvl Ether
 Concen: 27.135 ug/L
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW015389.D
 Acq: 04 May 2020 16:25

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 73 Resp: 187979
 Ion Ratio Lower Upper
 73 100
 43 23.9 19.3 28.9
 57 22.7 18.1 27.1



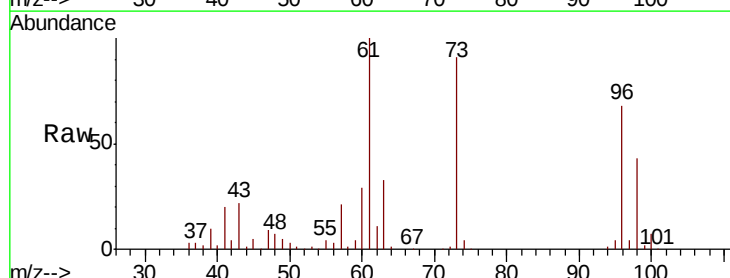
Abundance Ion 73.00 (72.70 to 73.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 57.00 (56.70 to 57.70): VW



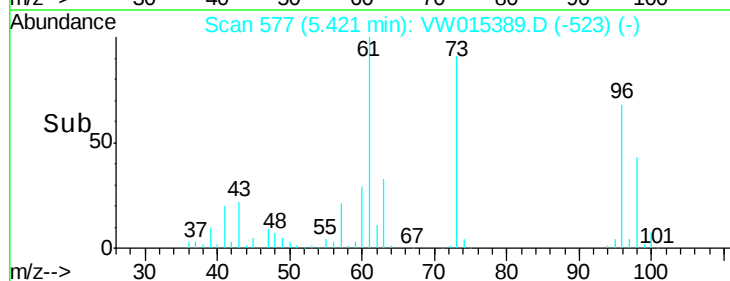
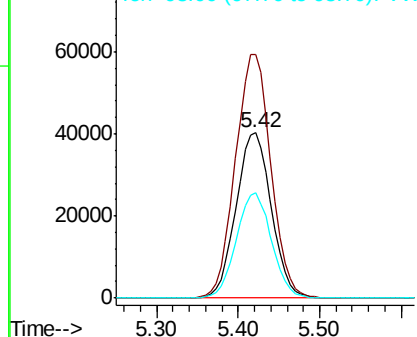
#18

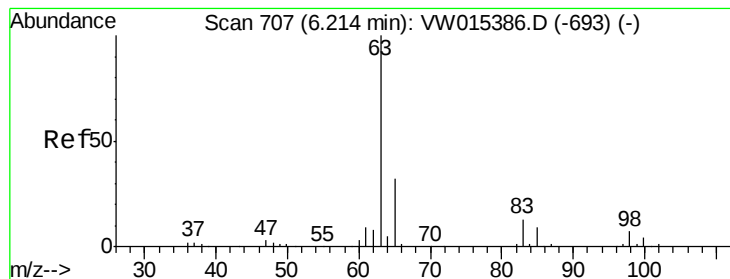
trans-1,2-Dichloroethene
 Concen: 26.306 ug/L
 RT: 5.42 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: VW015389.D
 Acq: 04 May 2020 16:25

Tgt Ion: 96 Resp: 120797
 Ion Ratio Lower Upper
 96 100
 61 147.5 101.1 187.7
 98 63.8 42.4 78.8



Abundance Ion 96.00 (95.70 to 96.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 98.00 (97.70 to 98.70): VW





#19

1,1-Dichloroethane

Concen: 26.382 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW015389.D

Acq: 04 May 2020 16:25

Instrument :

MSVOA_W

ClientSampleId :

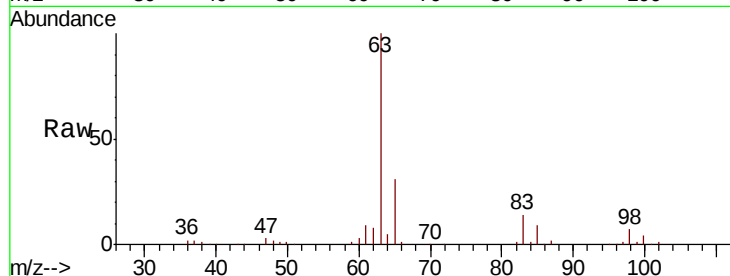
Tot Ion: 63 Resp: 228171

Ion Ratio Lower Upper

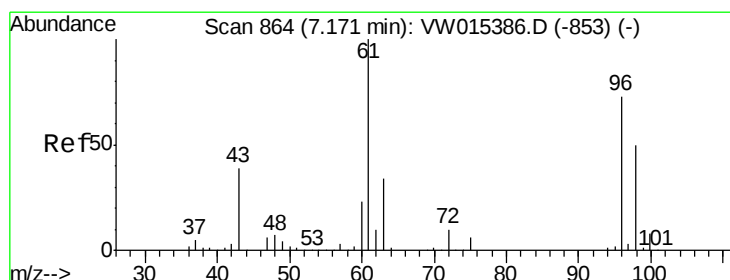
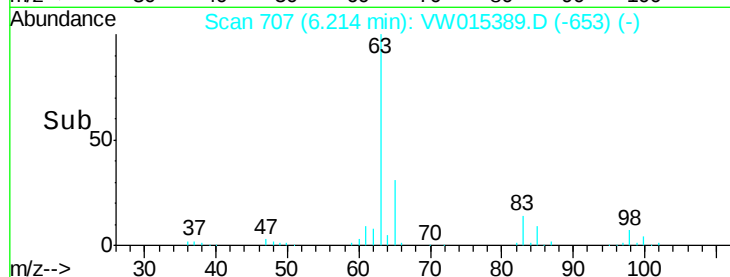
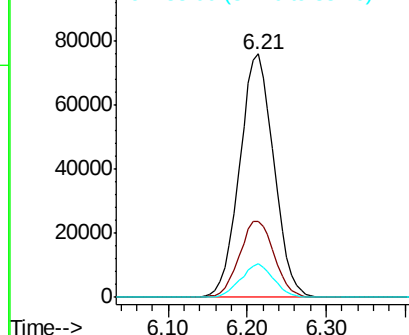
63 100

65 31.0 22.6 42.0

83 13.9 9.1 16.9



Abundance Ion 63.00 (62.70 to 63.70): VW
Ion 65.00 (64.70 to 65.70): VW
Ion 83.00 (82.70 to 83.70): VW



#21

2-Butanone

Concen: 49.903 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW015389.D

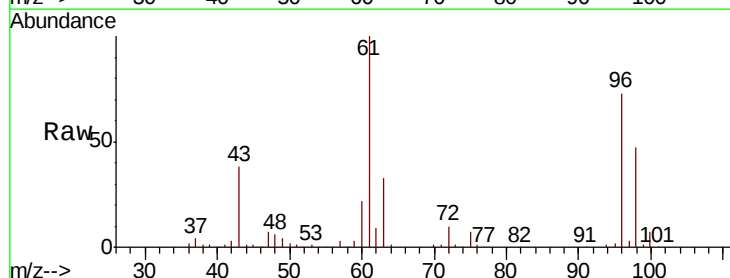
Acq: 04 May 2020 16:25

Tgt Ion: 43 Resp: 67450

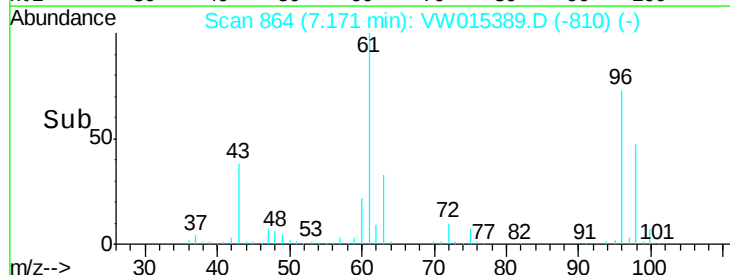
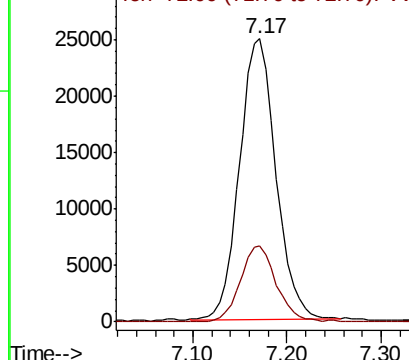
Ion Ratio Lower Upper

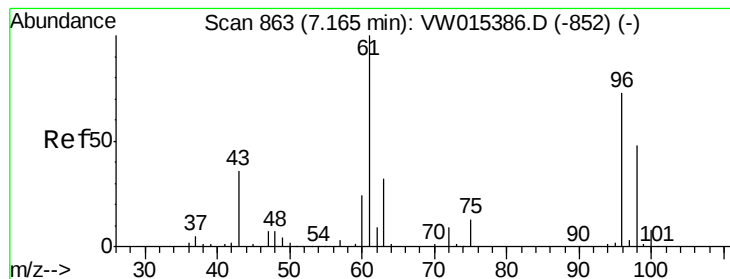
43 100

72 26.5 13.6 40.8



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW



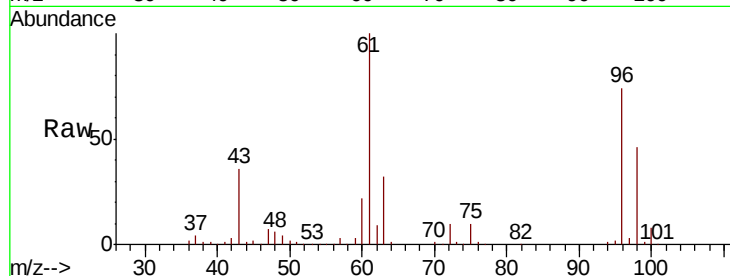


#22

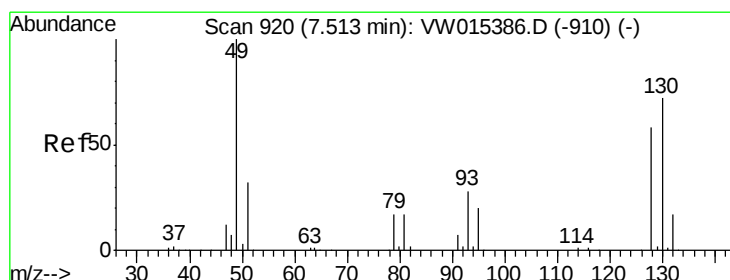
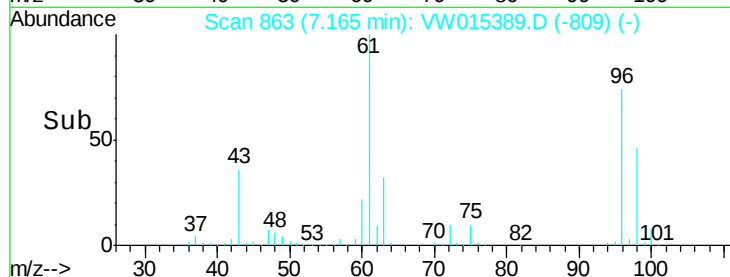
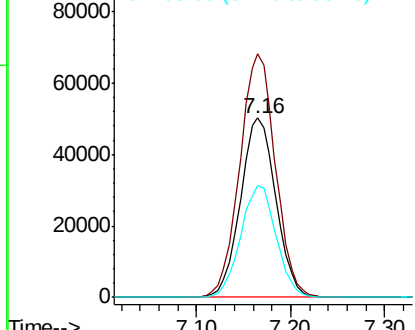
cis-1,2-Dichloroethene
Concen: 26.704 ug/L
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW015389.D
Acq: 04 May 2020 16:25

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 96 Resp: 132161
Ion Ratio Lower Upper
96 100
61 135.8 95.8 178.0
98 62.1 45.9 85.3



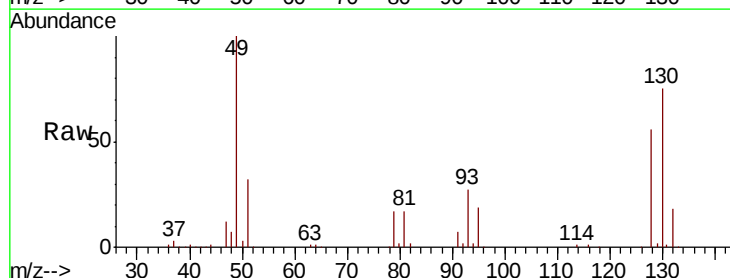
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



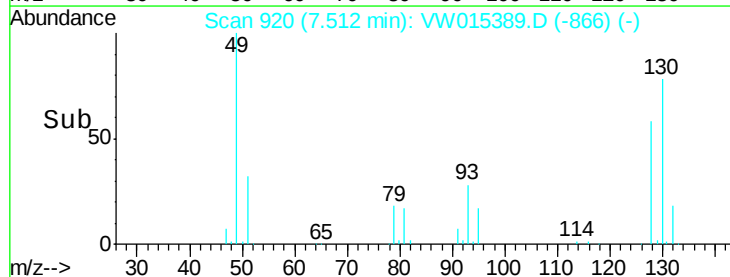
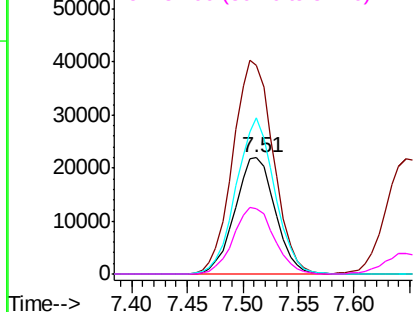
#23

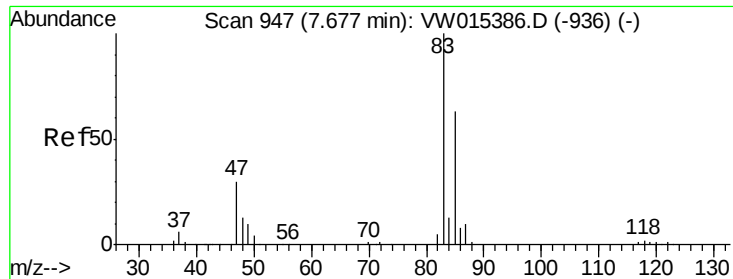
Bromochloromethane
Concen: 26.749 ug/L
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW015389.D
Acq: 04 May 2020 16:25

Tgt Ion: 128 Resp: 55178
Ion Ratio Lower Upper
128 100
49 179.6 120.2 223.2
130 134.5 86.5 160.7
51 56.7 44.1 66.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VW
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VW

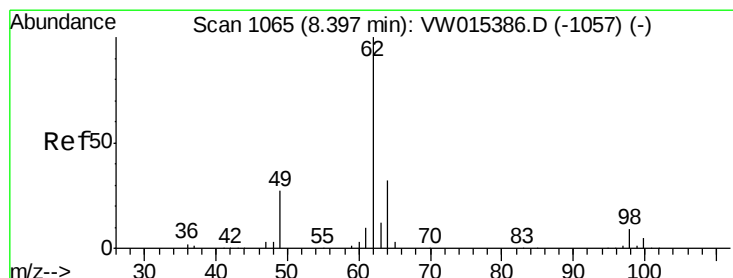
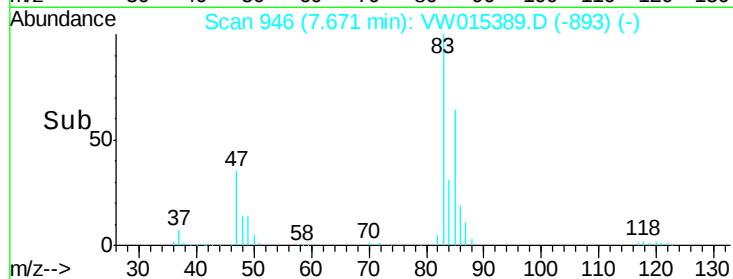
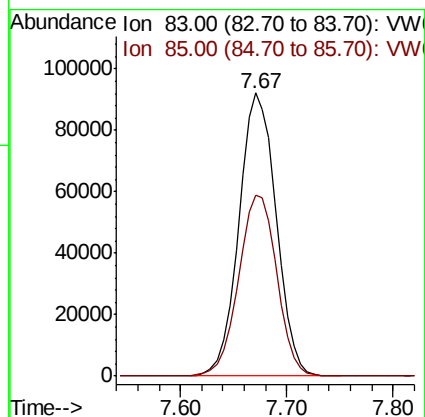
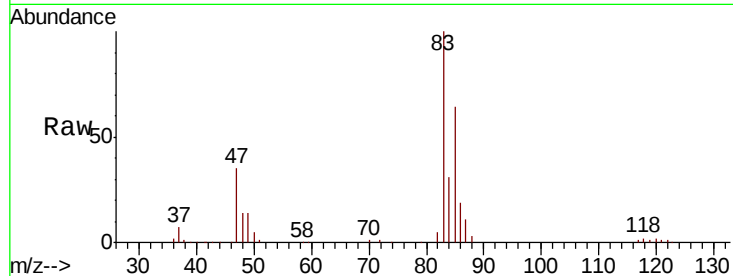




#25
Chloroform
Concen: 26.497 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW015389.D
Acq: 04 May 2020 16:25

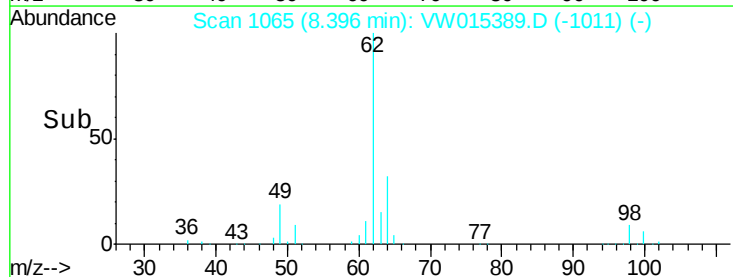
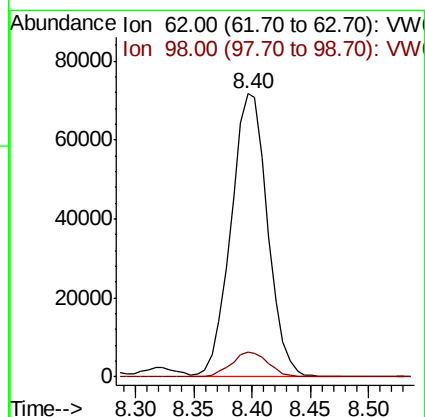
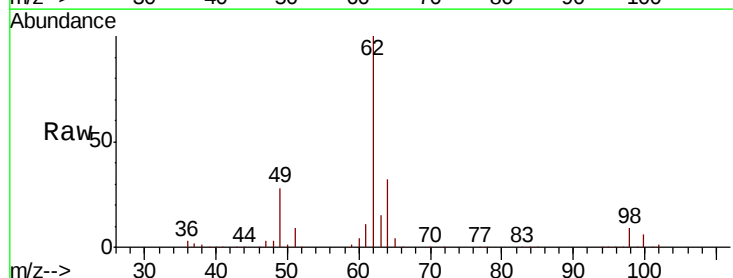
Instrument :
MSVOA_W
ClientSampled :

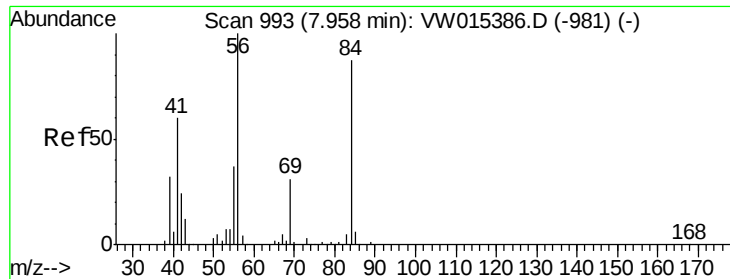
Tot Ion: 83 Resp: 226568
Ion Ratio Lower Upper
83 100
85 65.8 45.6 84.8



#27
1,2-Dichloroethane
Concen: 26.908 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW015389.D
Acq: 04 May 2020 16:25

Tgt Ion: 62 Resp: 156557
Ion Ratio Lower Upper
62 100
98 8.8 6.8 10.2

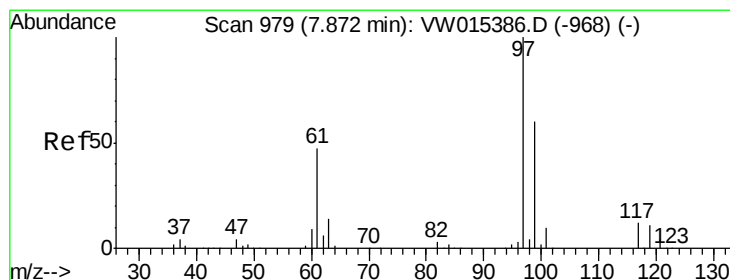
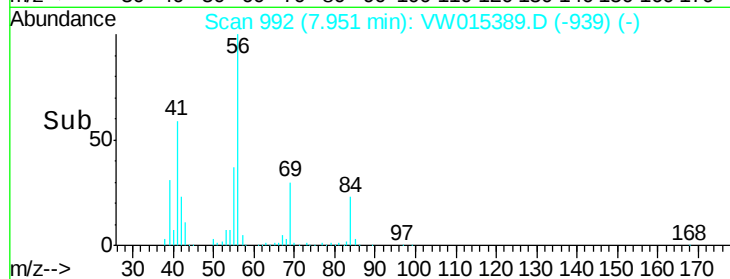
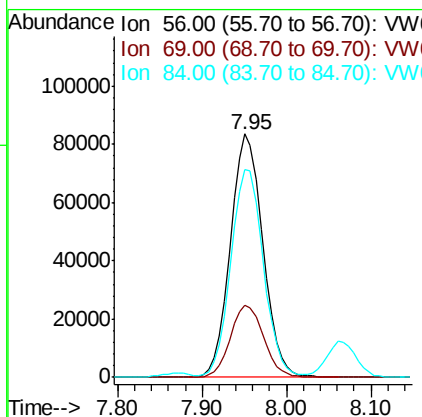
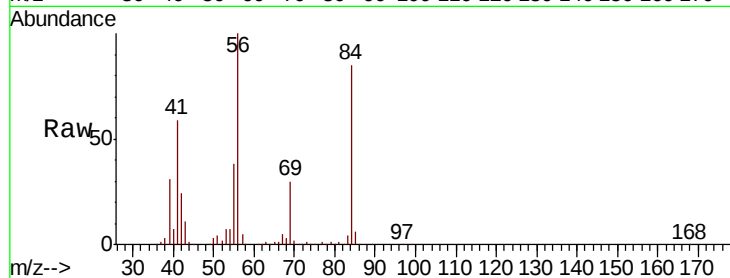




#30
Cyclohexane
Concen: 25.767 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW015389.D
Acq: 04 May 2020 16:25

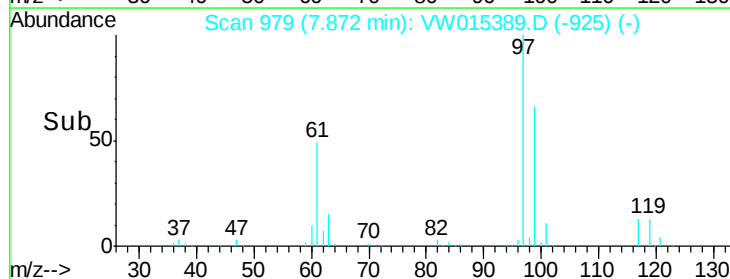
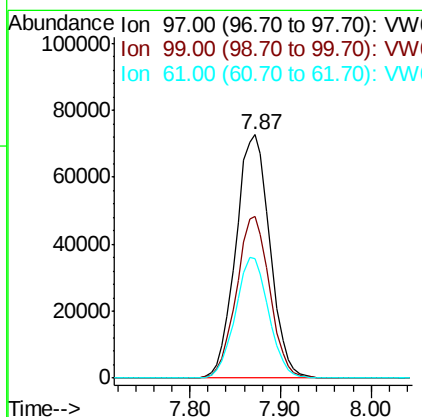
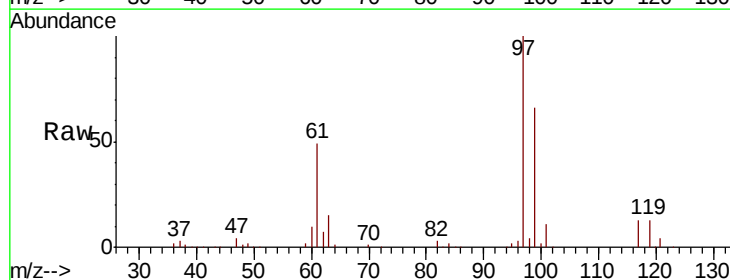
Instrument :
MSVOA_W
ClientSampleId :

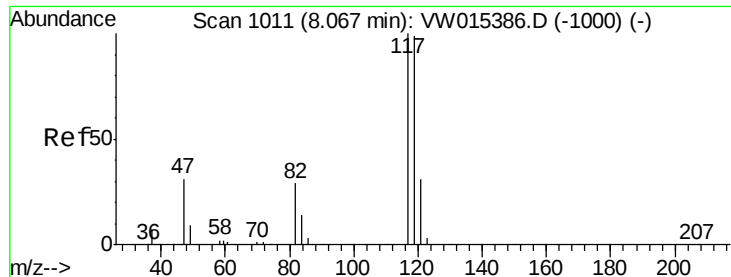
Tot Ion: 56 Resp: 217931
Ion Ratio Lower Upper
56 100
69 30.4 24.5 36.7
84 85.9 69.2 103.8



#31
1,1,1-Trichloroethane
Concen: 26.093 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW015389.D
Acq: 04 May 2020 16:25

Tgt Ion: 97 Resp: 189343
Ion Ratio Lower Upper
97 100
99 65.0 51.0 76.4
61 48.4 38.6 57.8





#32

Carbon tetrachloride

Concen: 26.457 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW015389.D

Acq: 04 May 2020 16:25

Instrument :

MSVOA_W

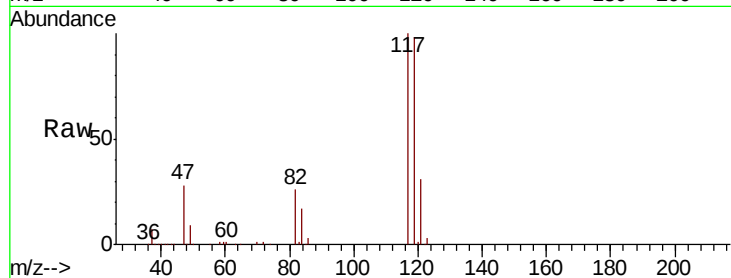
ClientSampleId :

Tot Ion:117 Resp: 174708

Ion Ratio Lower Upper

117 100

119 96.0 77.2 115.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

60000

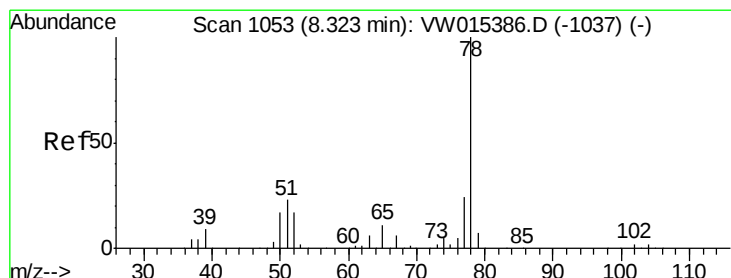
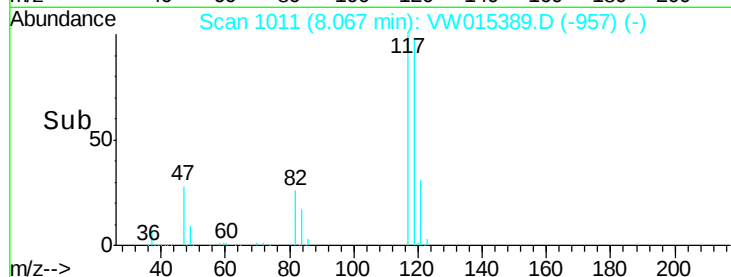
40000

20000

0

8.00 8.10 8.20

Time-->



#34

Benzene

Concen: 26.662 ug/L

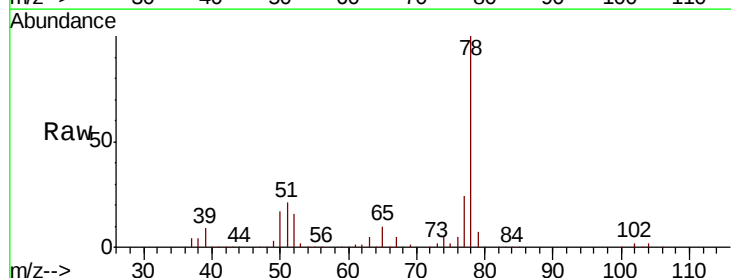
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW015389.D

Acq: 04 May 2020 16:25

Tgt Ion: 78 Resp: 504345



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32

250000

200000

150000

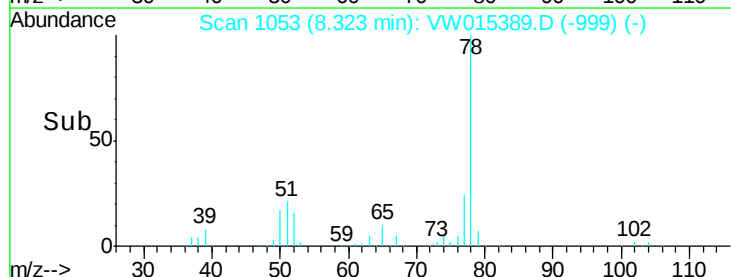
100000

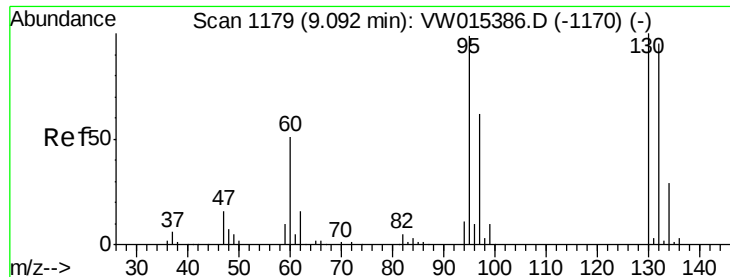
50000

0

8.20 8.30 8.40

Time-->





#35

Trichloroethene

Concen: 26.213 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW015389.D

Acq: 04 May 2020 16:25

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 95 Resp: 132880

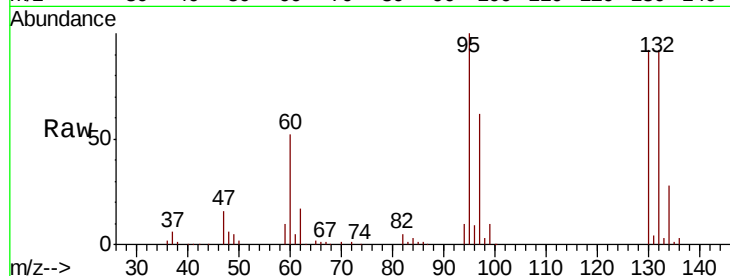
Ion Ratio Lower Upper

95 100

97 63.8 44.9 83.5

132 93.3 64.5 119.7

130 96.3 68.5 127.3

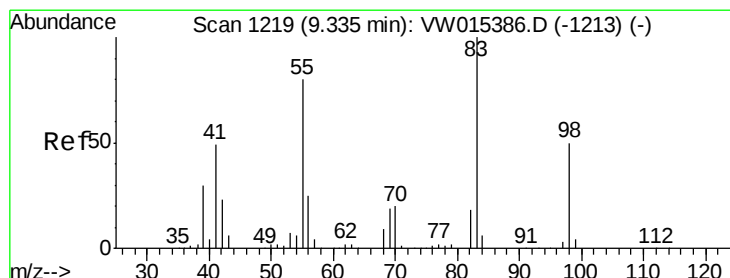
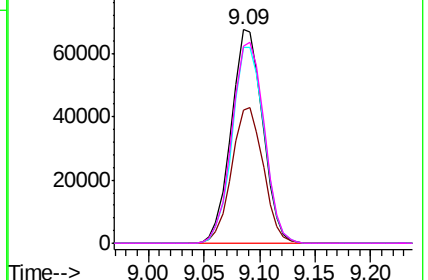
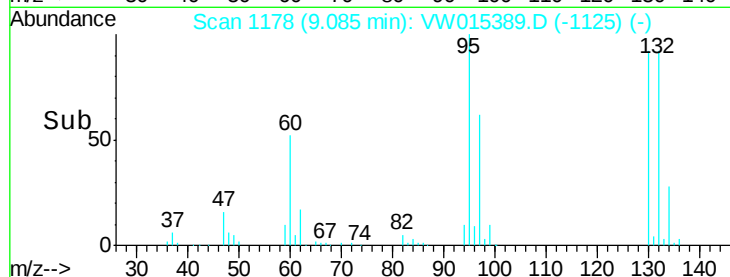


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 26.197 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW015389.D

Acq: 04 May 2020 16:25

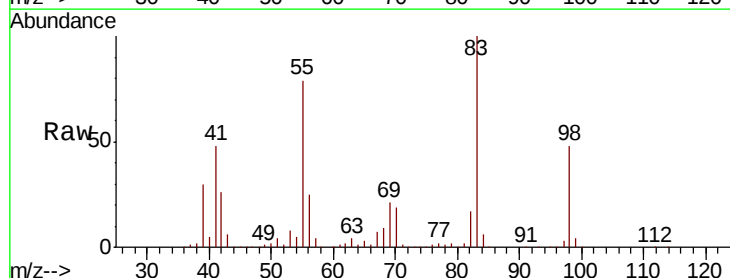
Tgt Ion: 83 Resp: 235794

Ion Ratio Lower Upper

83 100

55 79.0 64.5 96.7

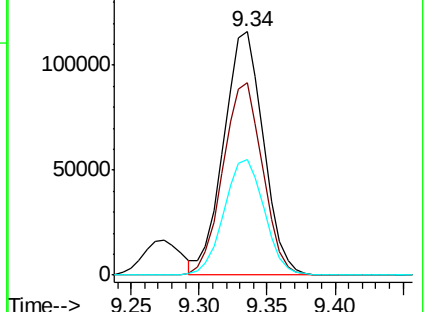
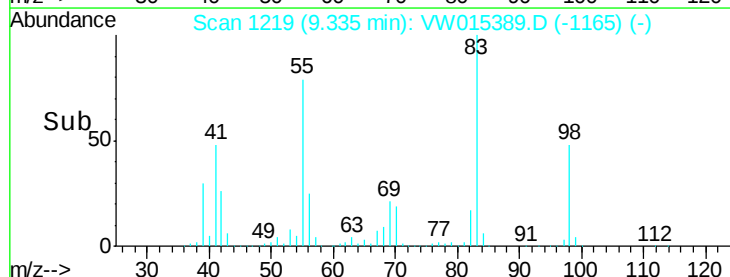
98 48.2 39.8 59.6

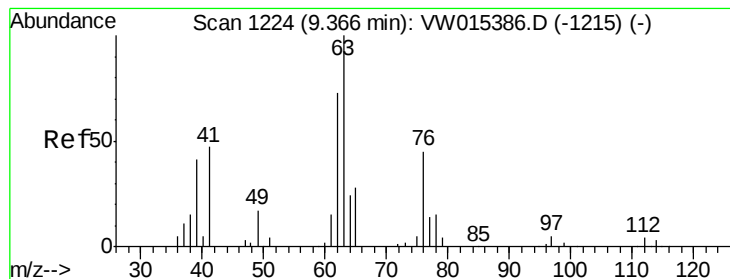


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 27.127 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW015389.D

Acq: 04 May 2020 16:25

Instrument :

MSVOA_W

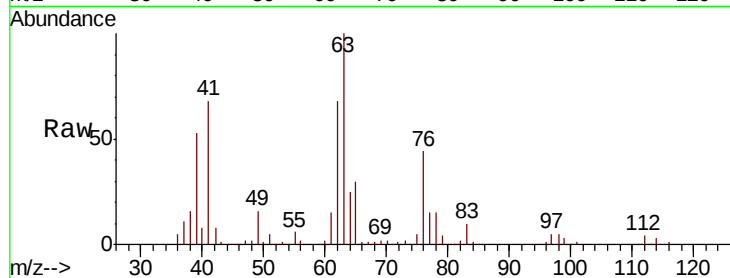
ClientSampleId :

Tot Ion: 63 Resp: 128241

Ion Ratio Lower Upper

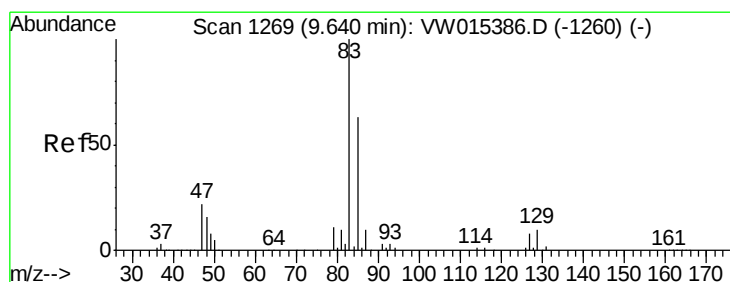
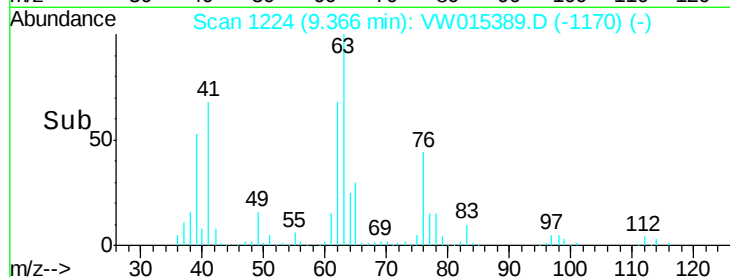
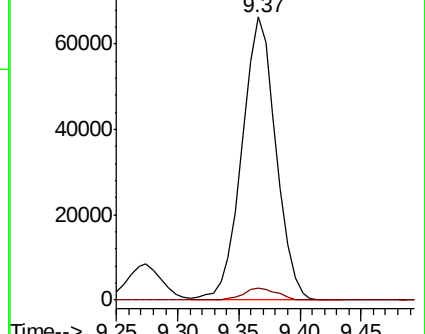
63 100

112 4.3 3.6 5.4



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 27.186 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW015389.D

Acq: 04 May 2020 16:25

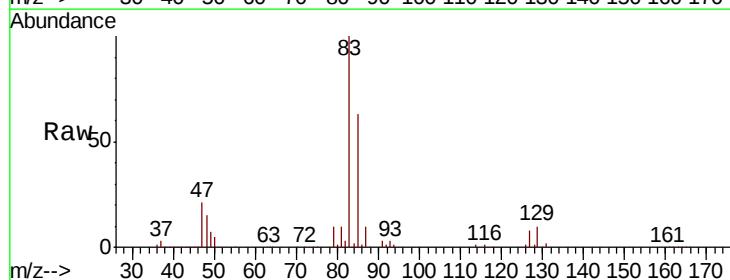
Tgt Ion: 83 Resp: 169645

Ion Ratio Lower Upper

83 100

85 62.5 44.2 82.0

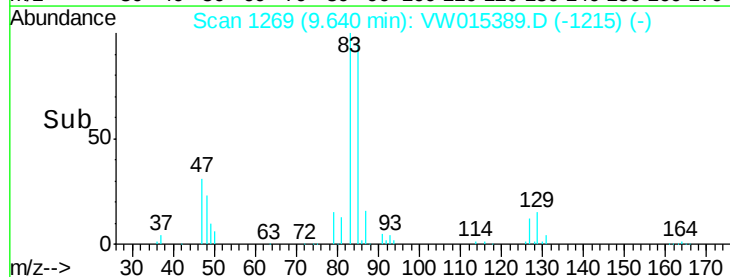
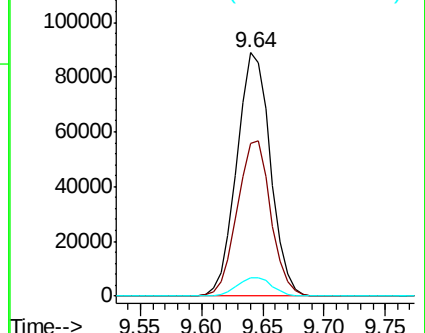
127 7.7 6.2 9.4

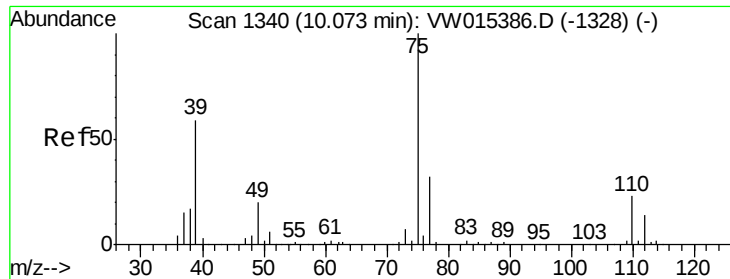


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V

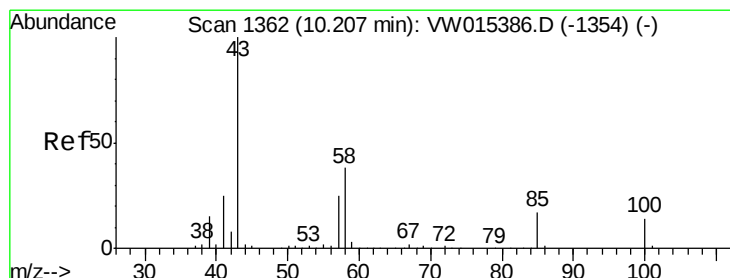
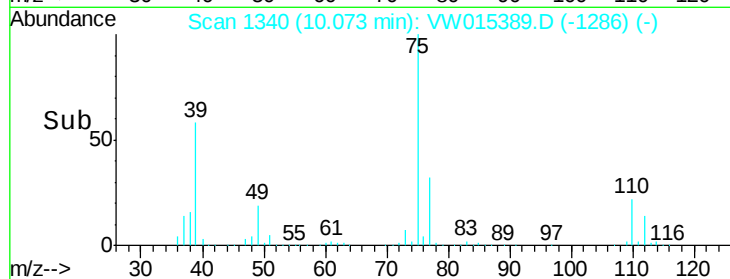
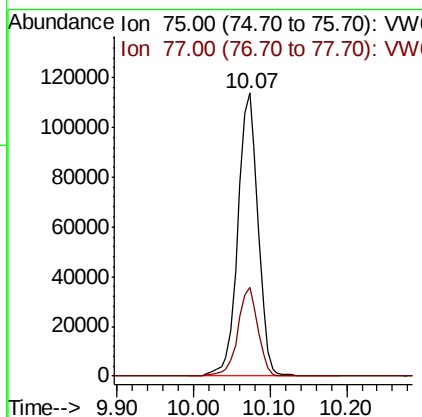
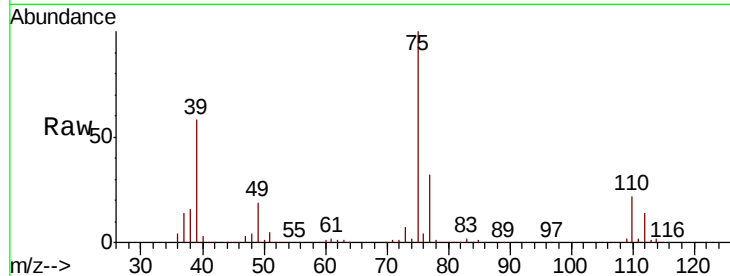




#42
 cis-1,3-Dichloropropene
 Concen: 27.211 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW015389.D
 Acq: 04 May 2020 16:25

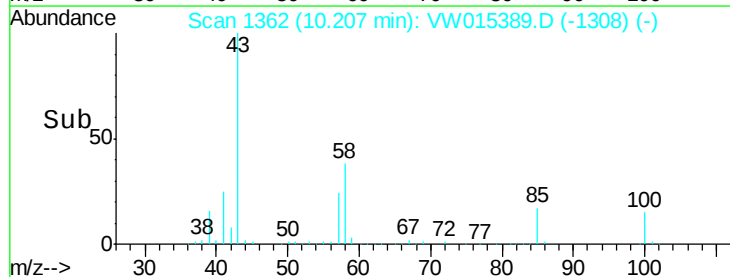
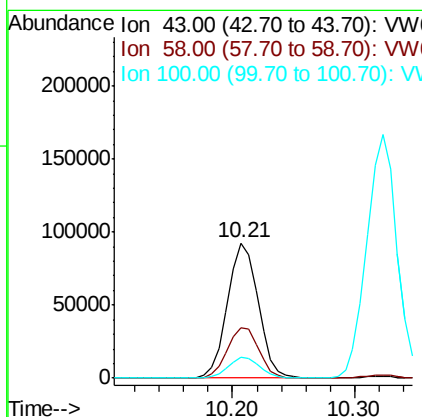
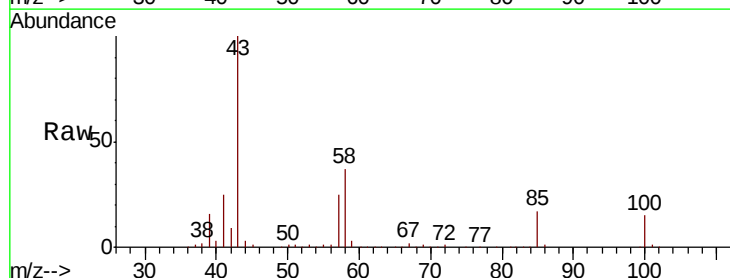
Instrument :
 MSVOA_W
 ClientSampled :

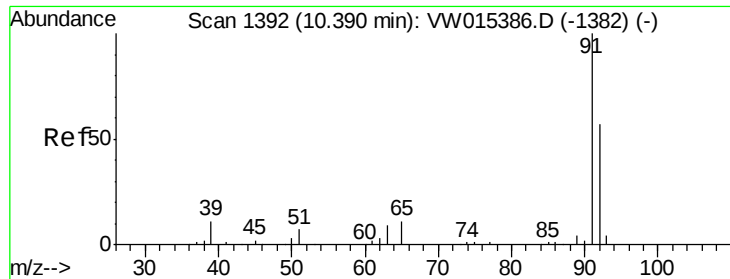
Tot Ion: 75 Resp: 207726
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.4 41.6



#43
 4-Methyl-2-pentanone
 Concen: 50.648 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW015389.D
 Acq: 04 May 2020 16:25

Tgt Ion: 43 Resp: 160420
 Ion Ratio Lower Upper
 43 100
 58 38.3 30.5 45.7
 100 15.3 12.1 18.1





#44

Toluene

Concen: 26.914 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW015389.D

Acq: 04 May 2020 16:25

Instrument :

MSVOA_W

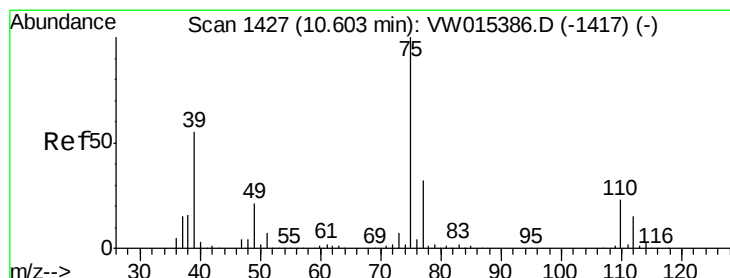
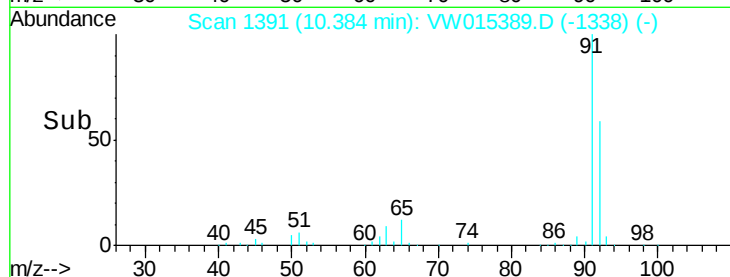
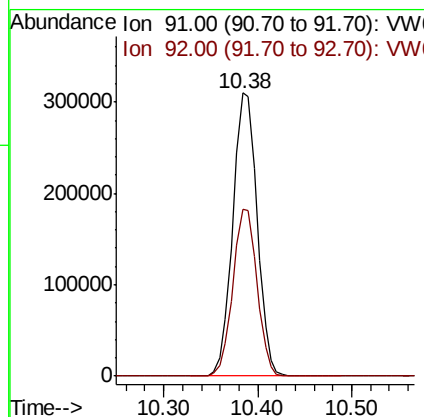
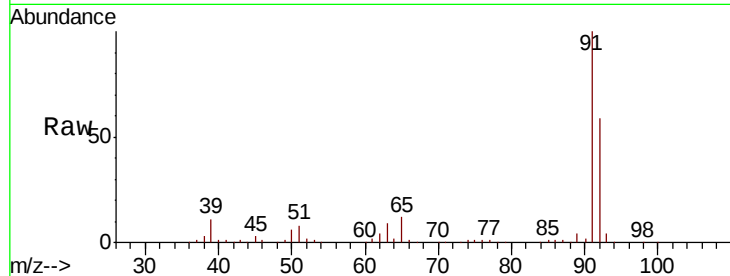
ClientSampleId :

Tot Ion: 91 Resp: 556434

Ion Ratio Lower Upper

91 100

92 59.0 39.8 74.0



#45

trans-1,3-Dichloropropene

Concen: 27.294 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW015389.D

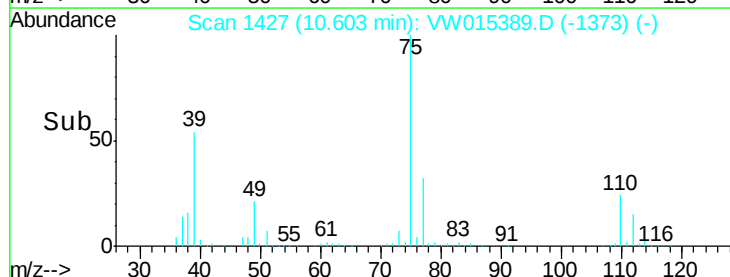
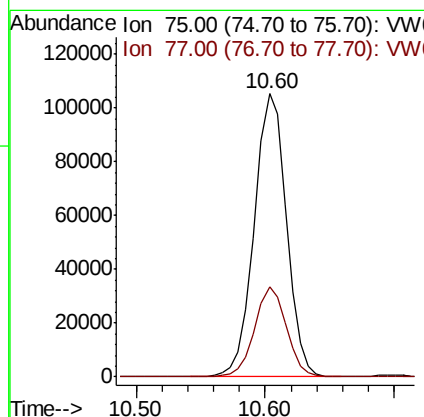
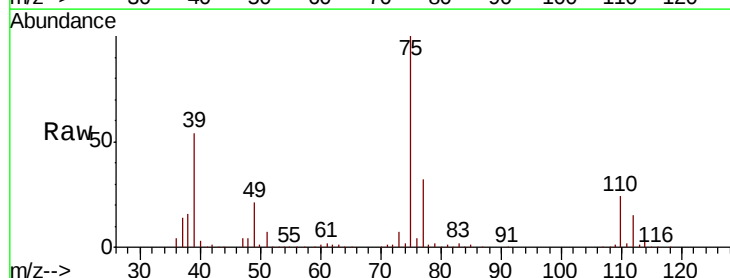
Acq: 04 May 2020 16:25

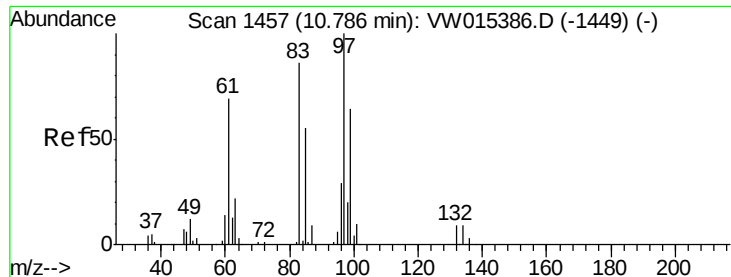
Tgt Ion: 75 Resp: 181582

Ion Ratio Lower Upper

75 100

77 31.7 22.3 41.3





#46

1,1,2-Trichloroethane

Concen: 26.736 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW015389.D

Acq: 04 May 2020 16:25

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 88611

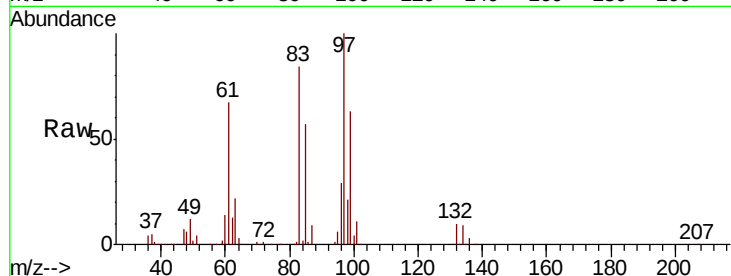
Ion Ratio Lower Upper

97 100

83 84.4 60.5 112.5

85 57.1 38.8 72.0

99 63.1 44.7 82.9



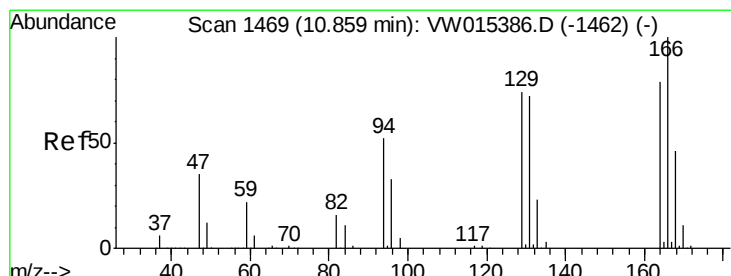
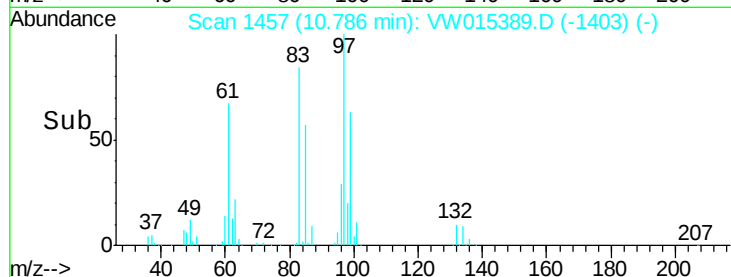
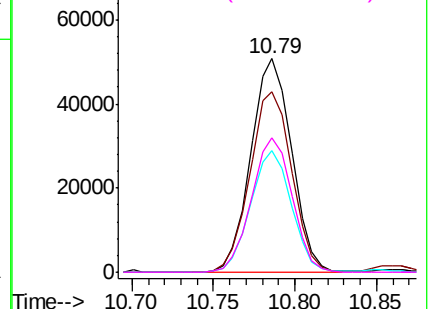
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 26.096 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW015389.D

Acq: 04 May 2020 16:25

Tgt Ion: 164 Resp: 99238

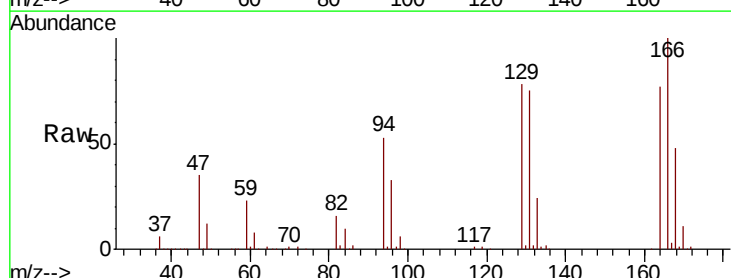
Ion Ratio Lower Upper

164 100

129 100.8 65.8 122.2

131 96.7 63.7 118.3

166 129.5 88.8 165.0



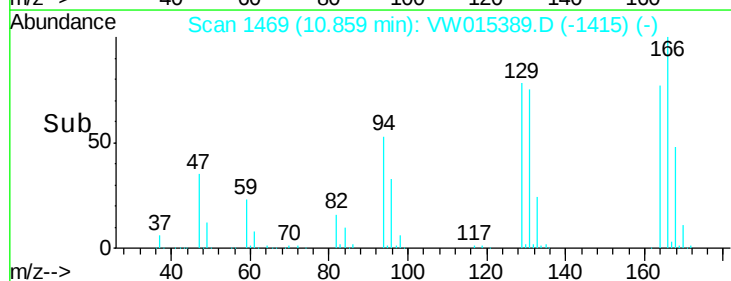
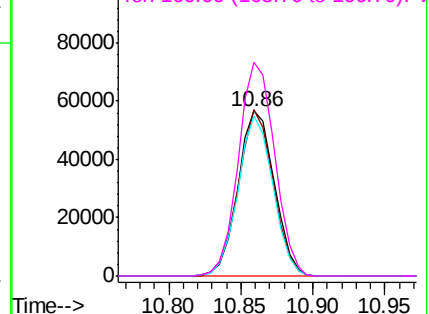
Abundance

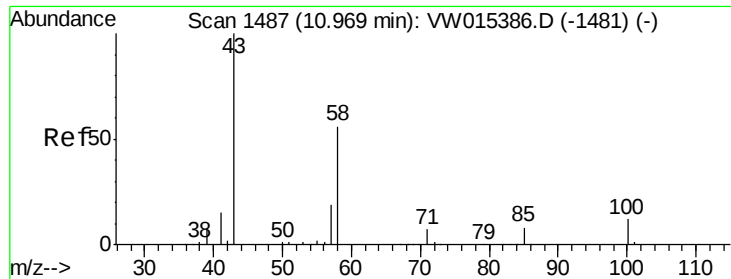
Ion 164.00 (163.70 to 164.70): V

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

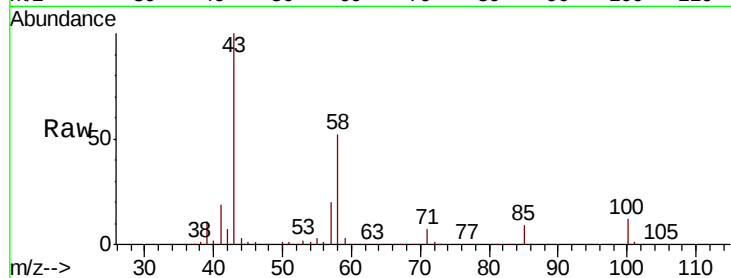




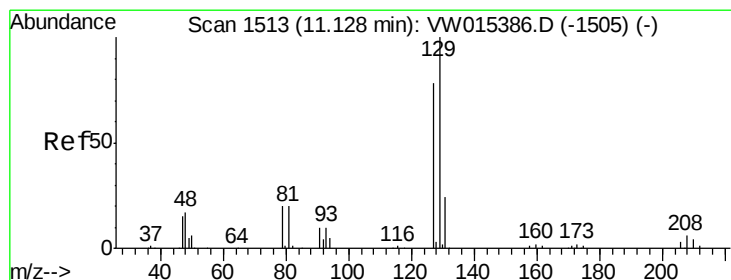
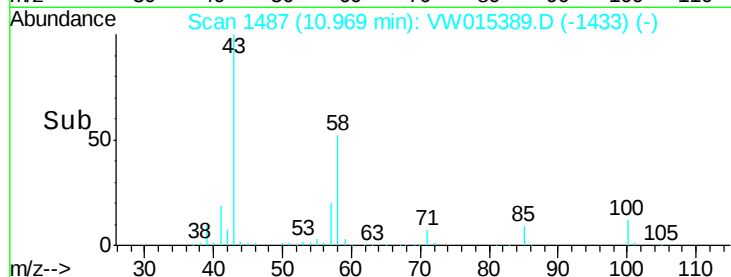
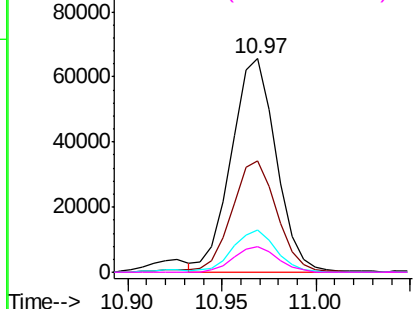
#49
2-Hexanone
Concen: 54.271 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW015389.D
Acq: 04 May 2020 16:25

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 108308
Ion Ratio Lower Upper
43 100
58 52.3 41.5 62.3
57 18.8 15.3 22.9
100 11.9 9.5 14.3

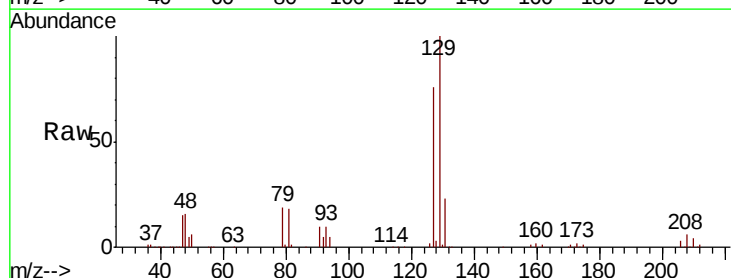


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW
Ion 57.00 (56.70 to 57.70): VW
Ion 100.00 (99.70 to 100.70): VW

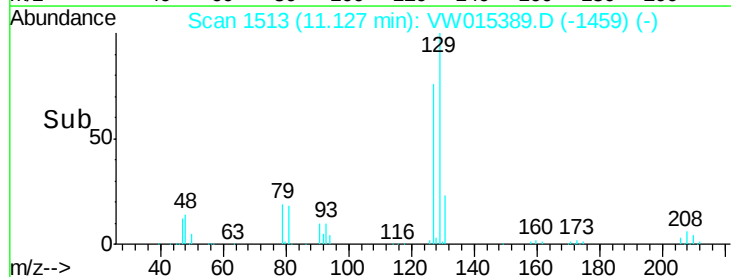
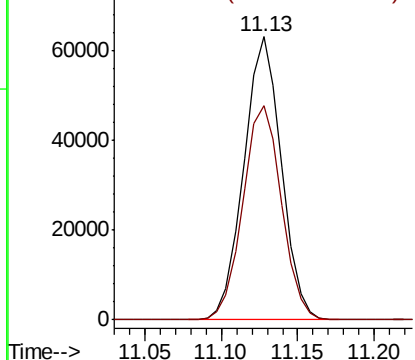


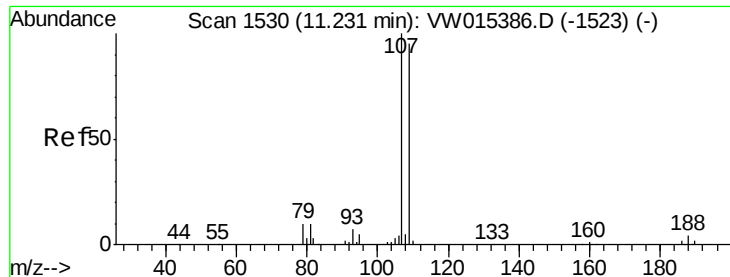
#50
Dibromochloromethane
Concen: 26.917 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW015389.D
Acq: 04 May 2020 16:25

Tgt Ion: 129 Resp: 107924
Ion Ratio Lower Upper
129 100
127 75.6 54.5 101.1



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

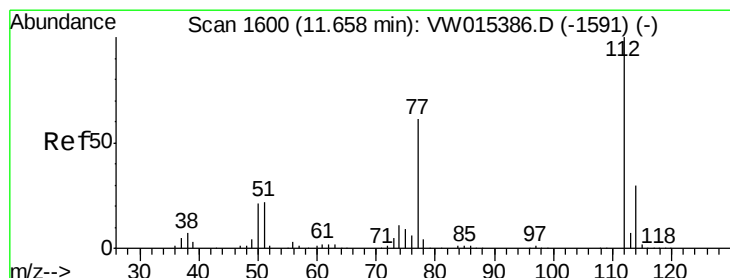
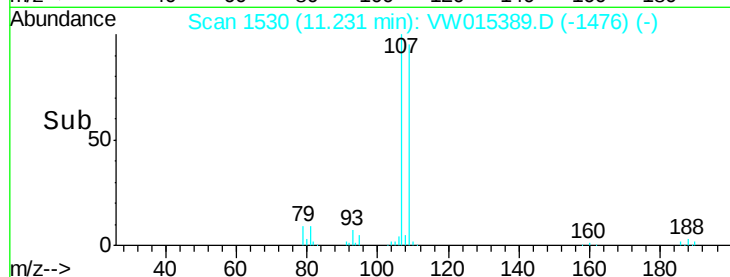
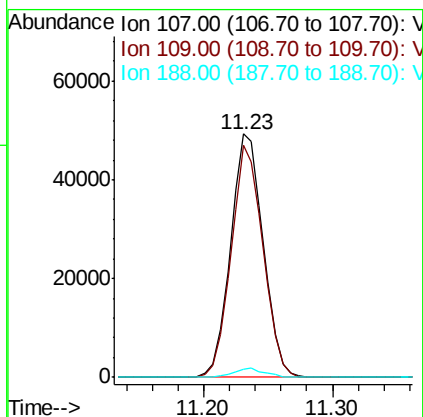
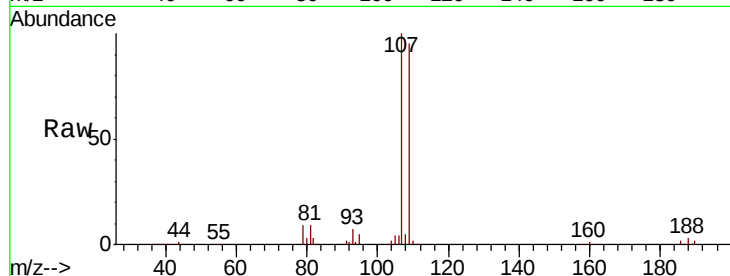




#51
1,2-Dibromoethane
Concen: 27.327 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VW015389.D
Acq: 04 May 2020 16:25

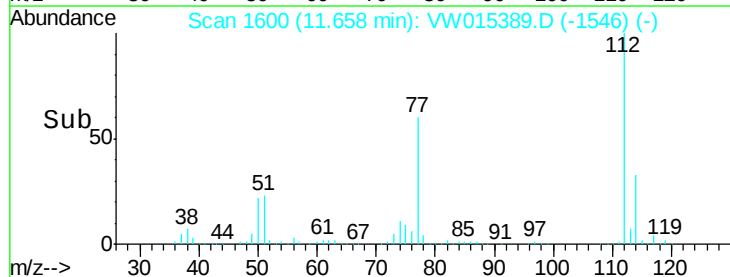
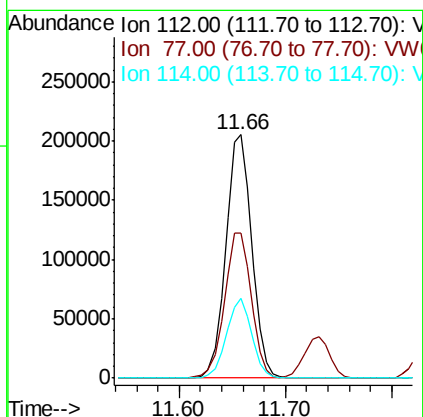
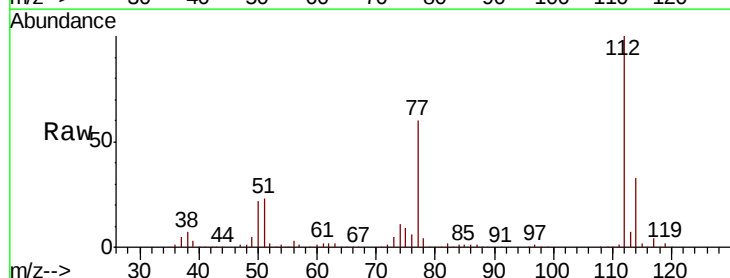
Instrument :
MSVOA_W
ClientSampleId :

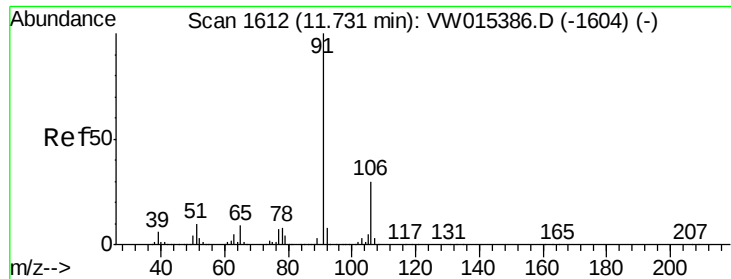
Tot Ion:107 Resp: 86431
Ion Ratio Lower Upper
107 100
109 95.1 66.2 123.0
188 3.5 2.9 4.3



#52
Chlorobenzene
Concen: 26.740 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW015389.D
Acq: 04 May 2020 16:25

Tgt Ion:112 Resp: 348776
Ion Ratio Lower Upper
112 100
77 59.6 48.6 73.0
114 32.6 21.2 39.4

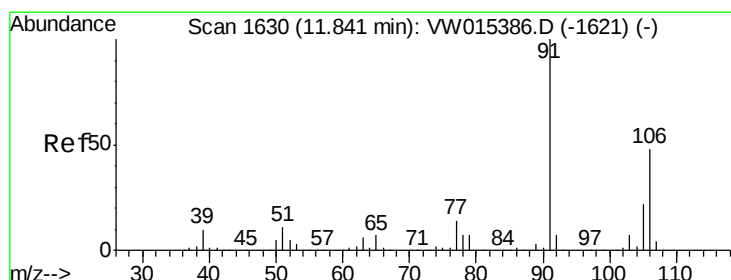
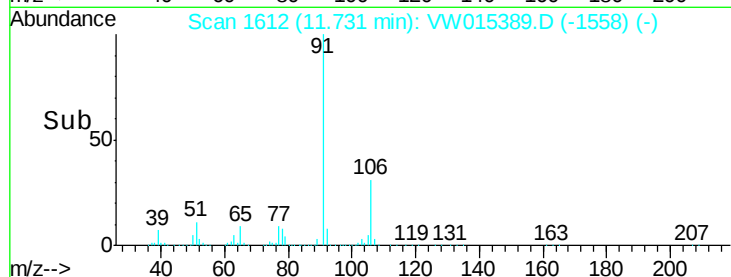
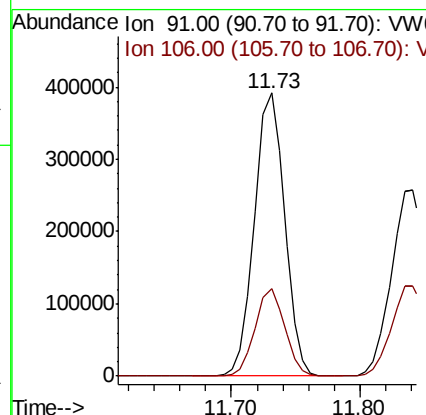
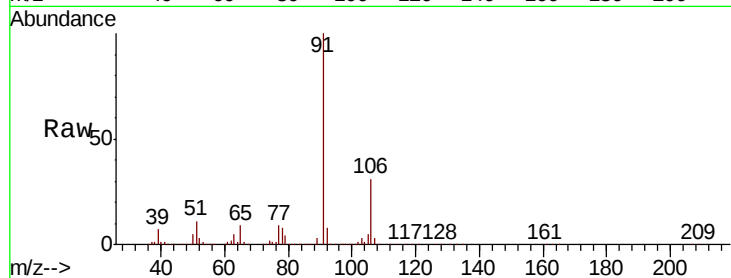




#53
Ethylbenzene
Concen: 26.326 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW015389.D
Acq: 04 May 2020 16:25

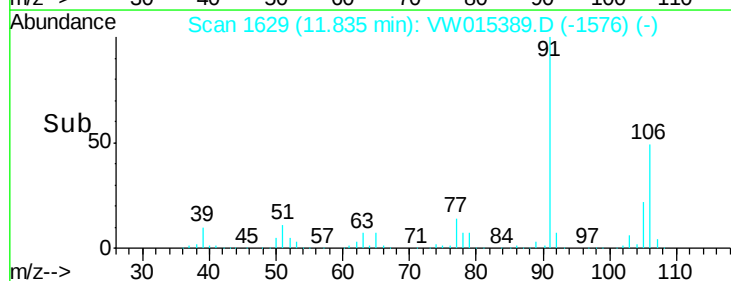
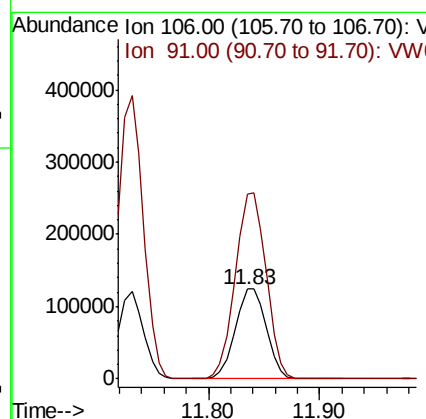
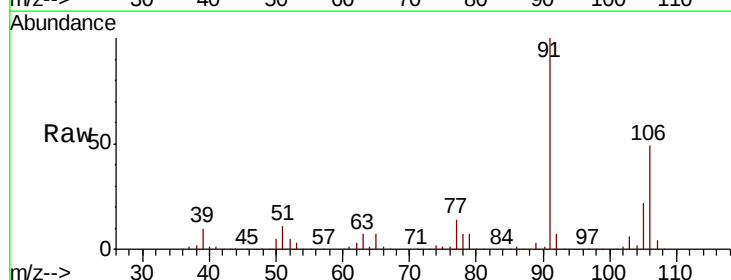
Instrument :
MSVOA_W
ClientSampled :

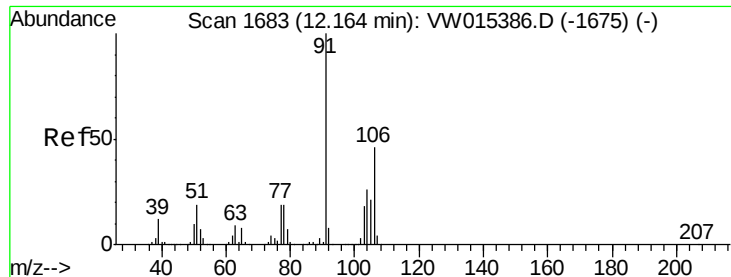
Tot Ion: 91 Resp: 634778
Ion Ratio Lower Upper
91 100
106 31.0 21.1 39.1



#54
m,p-Xylene
Concen: 26.610 ug/L
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW015389.D
Acq: 04 May 2020 16:25

Tgt Ion: 106 Resp: 239700
Ion Ratio Lower Upper
106 100
91 206.1 145.0 269.4

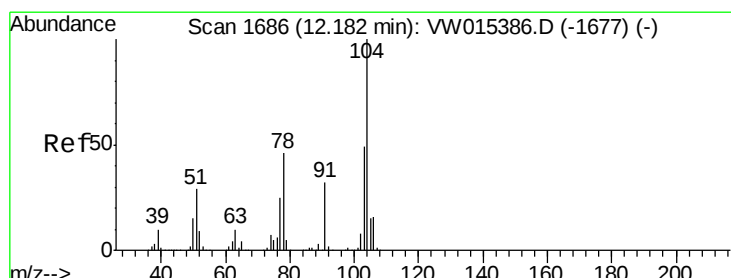
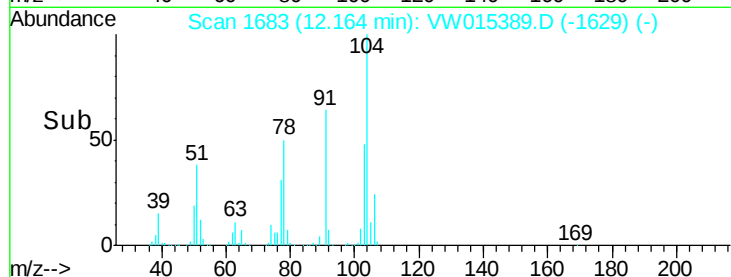
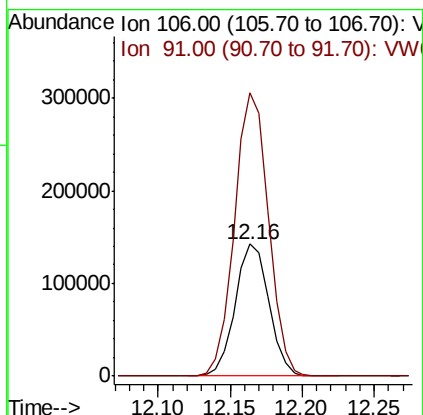
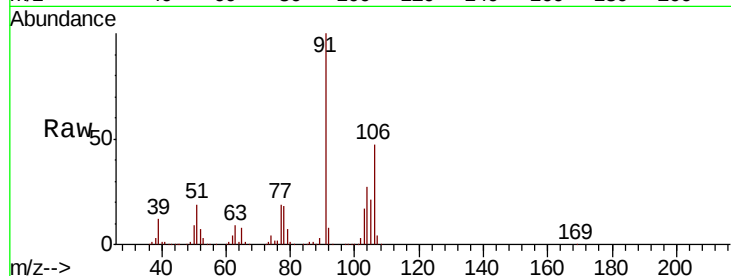




#55
o-xylene
Concen: 26.907 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW015389.D
Acq: 04 May 2020 16:25

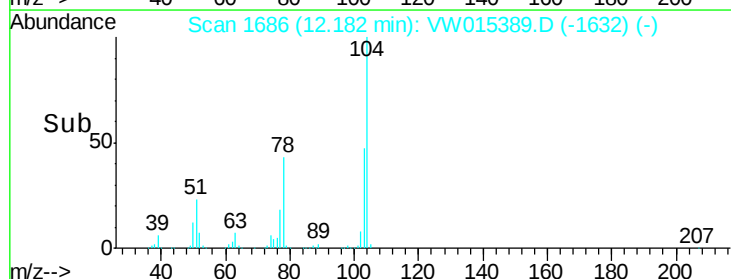
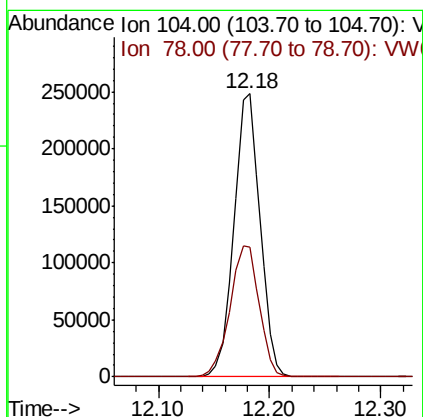
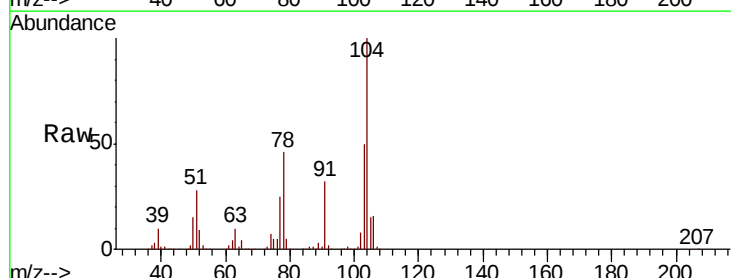
Instrument :
MSVOA_W
ClientSampled :

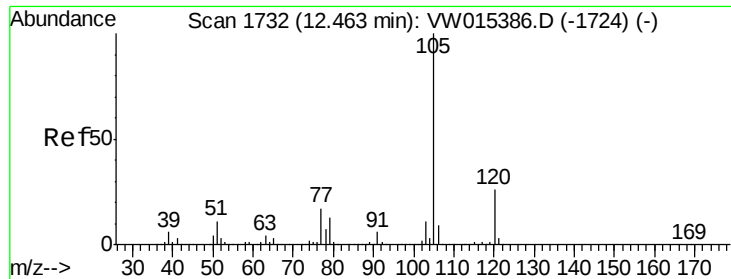
Tot Ion:106 Resp: 233179
Ion Ratio Lower Upper
106 100
91 214.0 152.3 282.9



#56
Styrene
Concen: 27.226 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW015389.D
Acq: 04 May 2020 16:25

Tgt Ion:104 Resp: 402840
Ion Ratio Lower Upper
104 100
78 45.7 32.4 60.2





#57

Isopropylbenzene

Concen: 26.946 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW015389.D

Acq: 04 May 2020 16:25

Instrument :

MSVOA_W

ClientSampled :

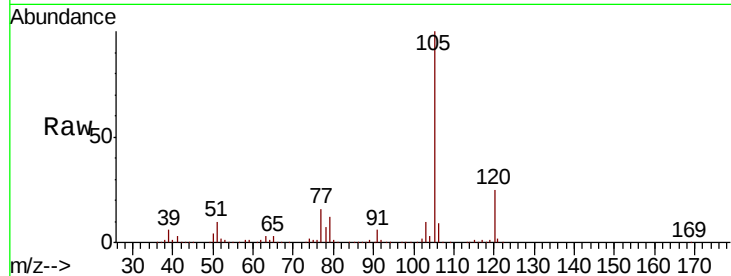
Tot Ion:105 Resp: 645044

Ion Ratio Lower Upper

105 100

120 25.6 20.5 30.7

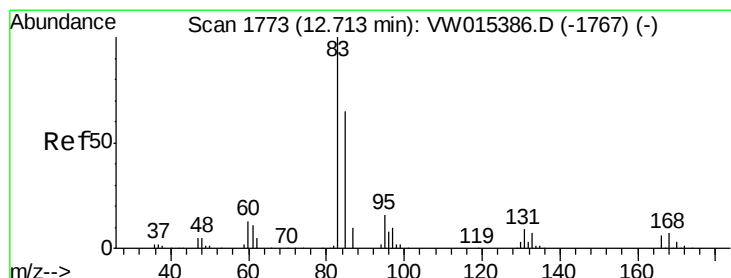
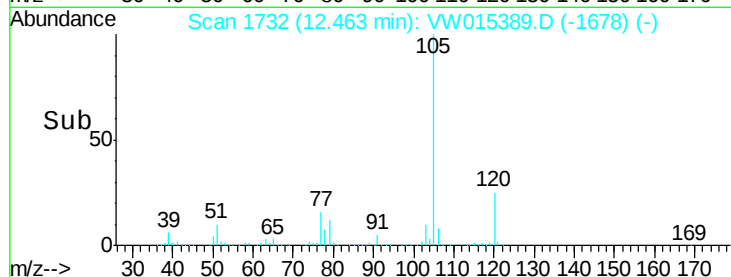
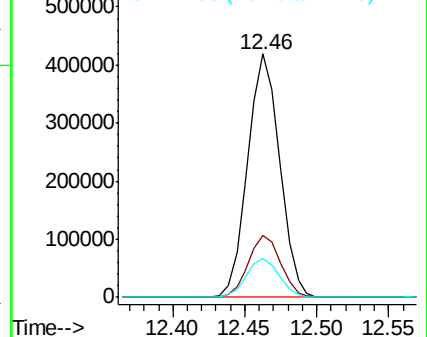
77 16.3 13.3 19.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 27.210 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW015389.D

Acq: 04 May 2020 16:25

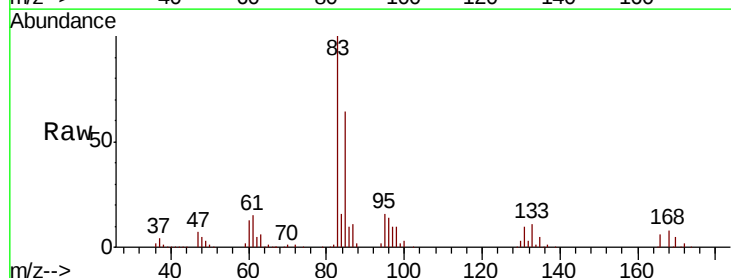
Tgt Ion: 83 Resp: 107278

Ion Ratio Lower Upper

83 100

85 63.7 46.3 86.1

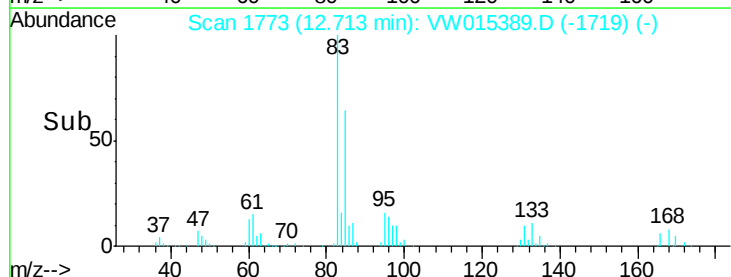
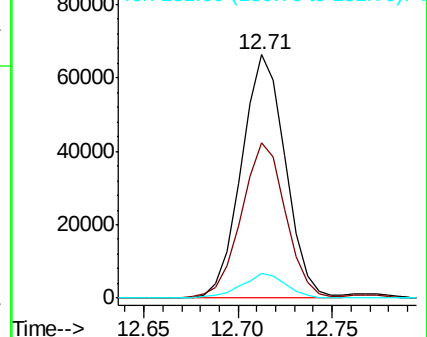
131 10.1 7.9 11.9

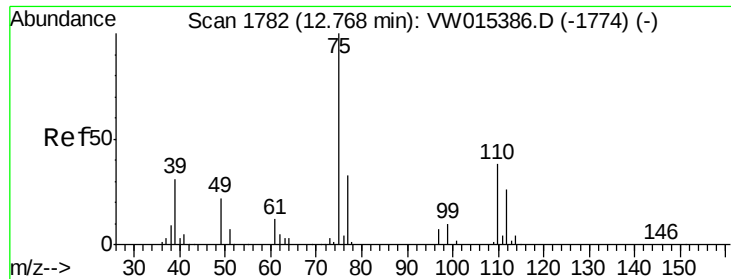


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 26.739 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW015389.D

Acq: 04 May 2020 16:25

Instrument :

MSVOA_W

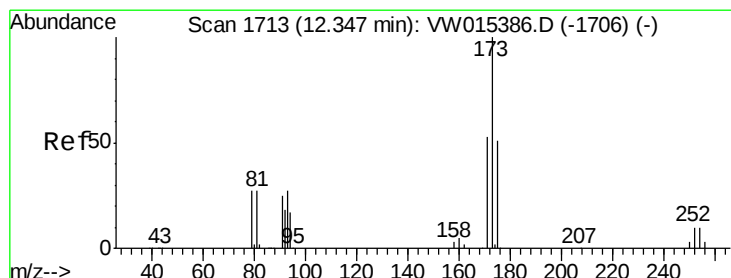
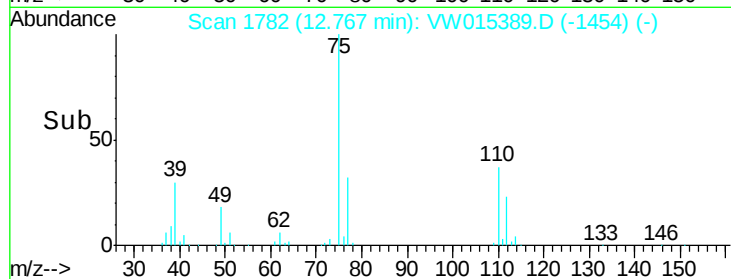
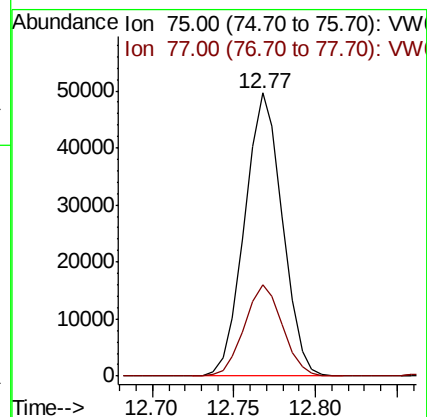
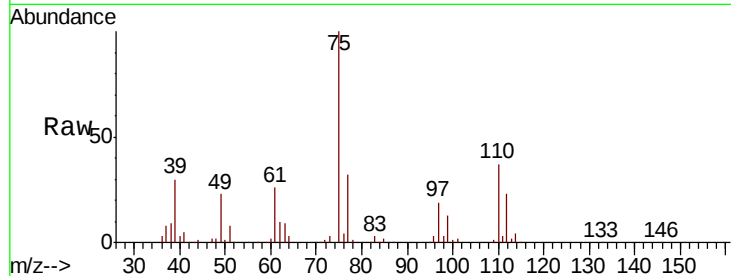
ClientSampled :

Tot Ion: 75 Resp: 80067

Ion Ratio Lower Upper

75 100

77 32.4 25.9 38.9



#62

Bromoform

Concen: 26.796 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW015389.D

Acq: 04 May 2020 16:25

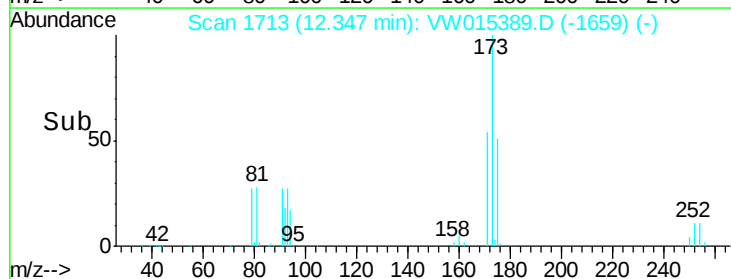
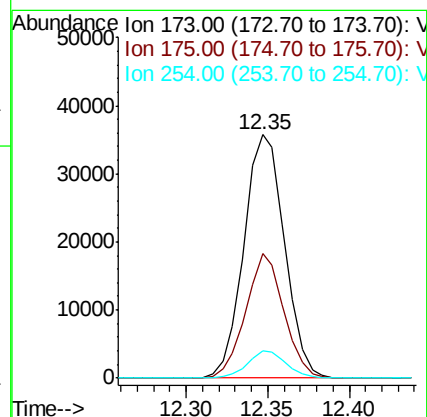
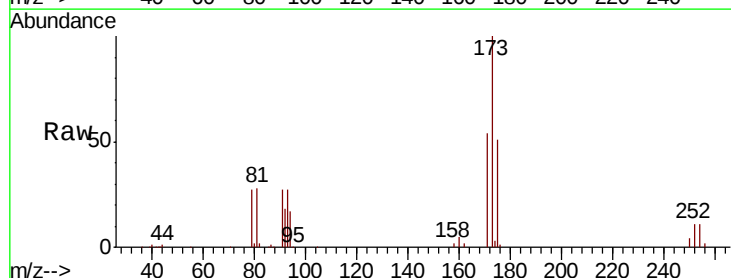
Tgt Ion: 173 Resp: 62047

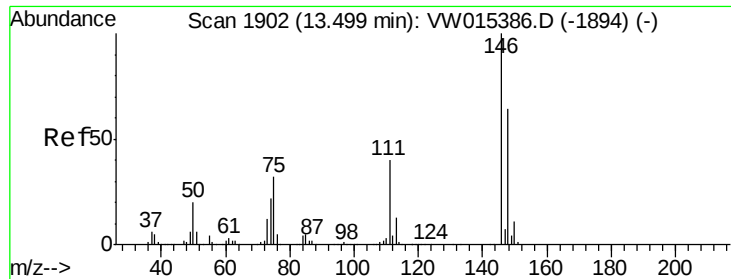
Ion Ratio Lower Upper

173 100

175 48.1 40.7 61.1

254 10.4 7.6 11.4

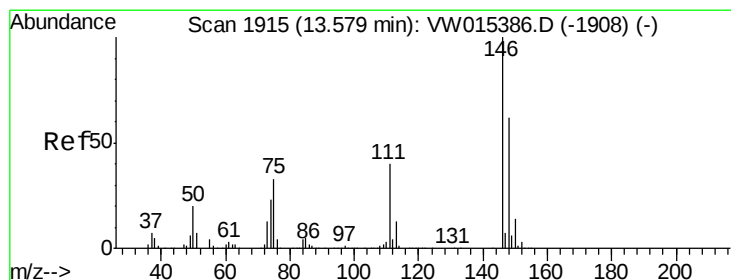
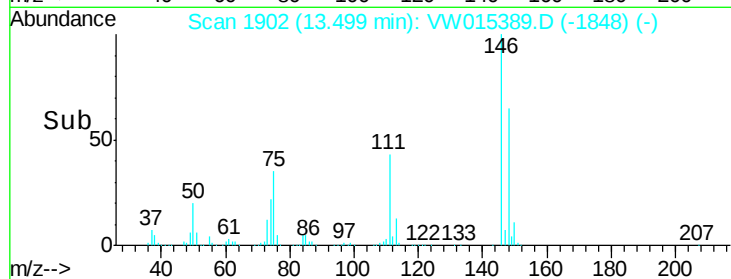
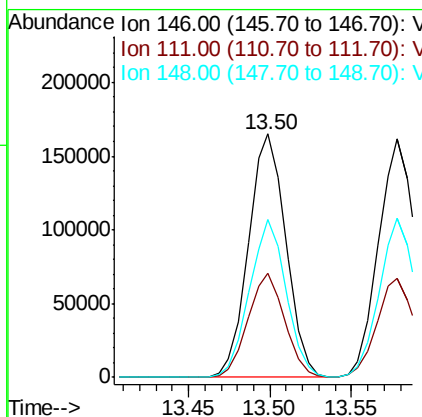
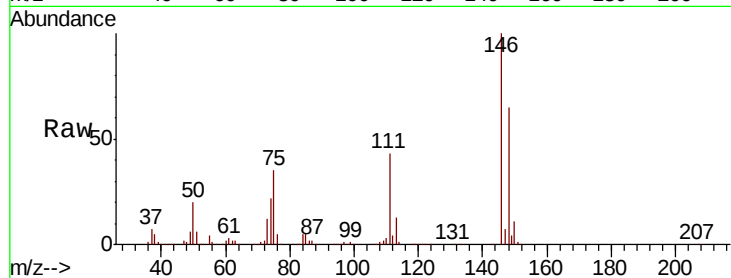




#63
 1,3-Dichlorobenzene
 Concen: 26.431 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW015389.D
 Acq: 04 May 2020 16:25

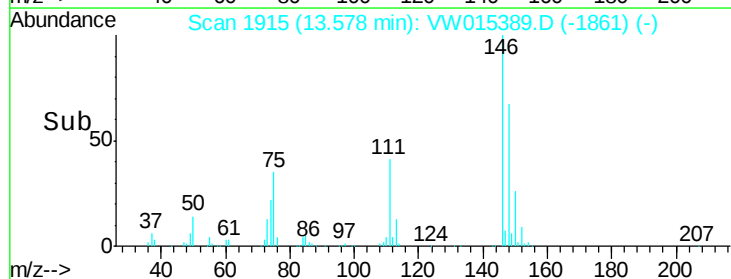
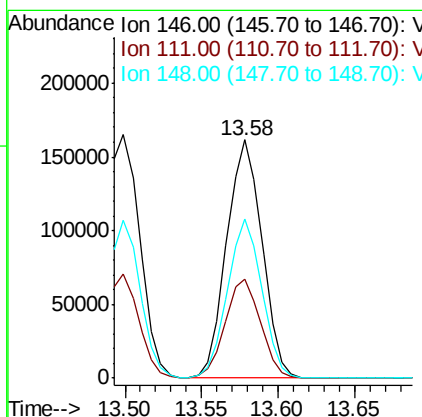
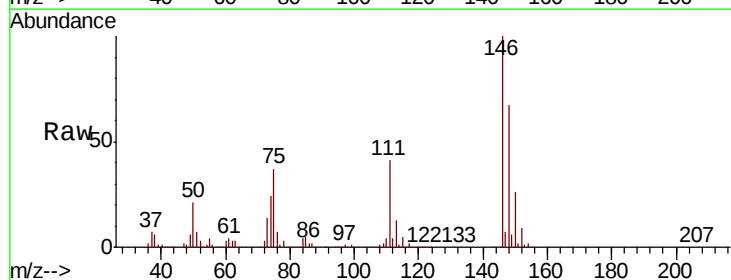
Instrument :
 MSVOA_W
 ClientSampled :

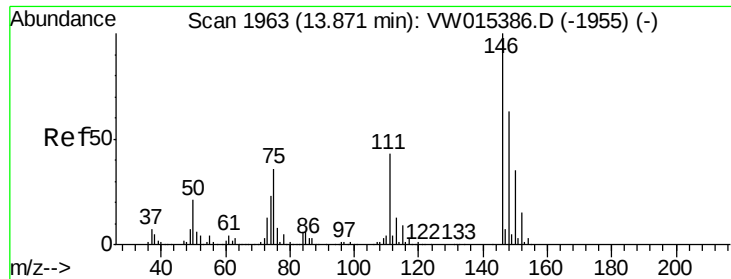
Tot Ion:146 Resp: 263497
 Ion Ratio Lower Upper
 146 100
 111 42.8 27.9 51.9
 148 64.8 44.5 82.7



#64
 1,4-Dichlorobenzene
 Concen: 26.093 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW015389.D
 Acq: 04 May 2020 16:25

Tgt Ion:146 Resp: 258966
 Ion Ratio Lower Upper
 146 100
 111 41.4 28.2 52.4
 148 66.8 43.8 81.3

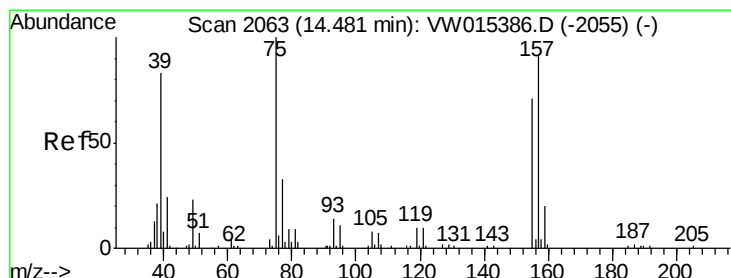
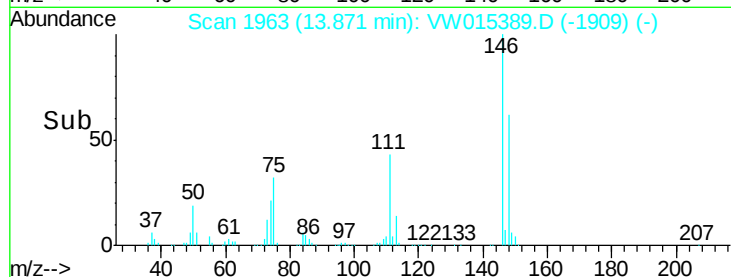
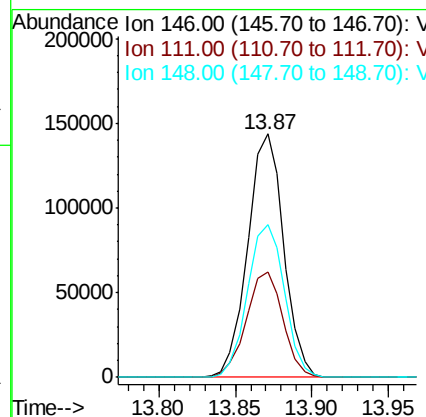
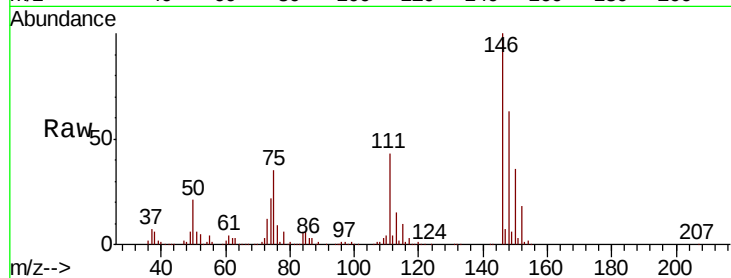




#65
 1,2-Dichlorobenzene
 Concen: 26.796 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW015389.D
 Acq: 04 May 2020 16:25

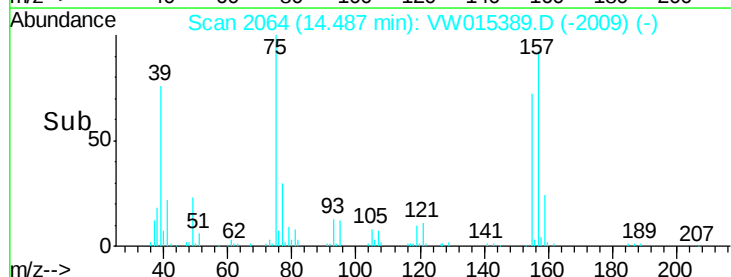
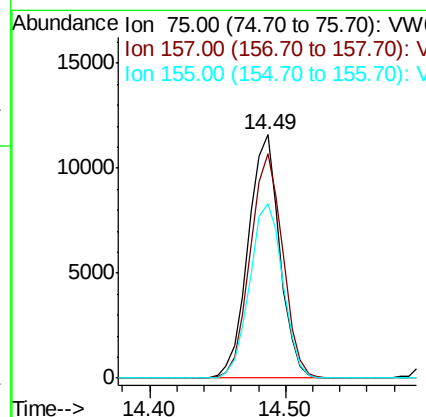
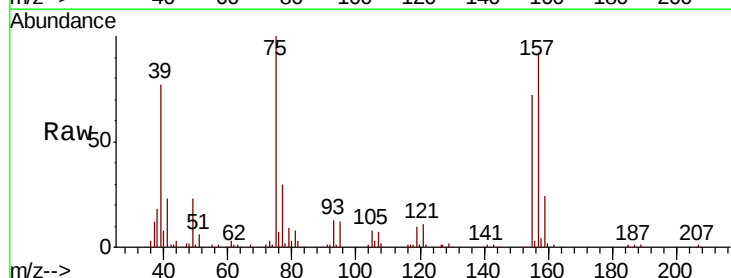
Instrument :
 MSVOA_W
 ClientSampleId :

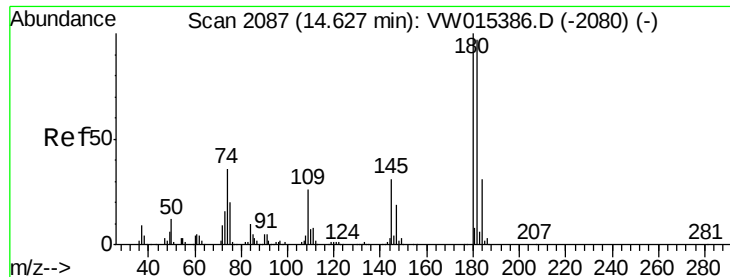
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	34.3	51.5
148	62.6	50.6	75.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 26.544 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW015389.D
 Acq: 04 May 2020 16:25

Tgt Ion	Ratio	Lower	Upper
75	100		
157	92.1	72.7	109.1
155	71.8	56.7	85.1

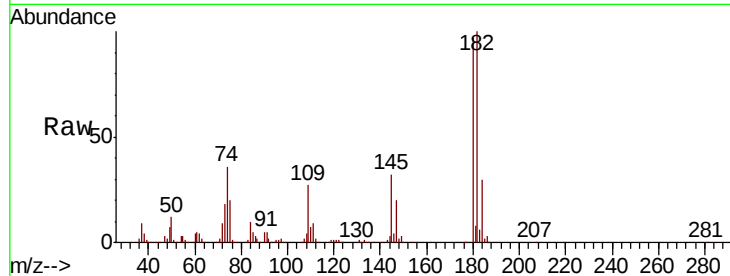




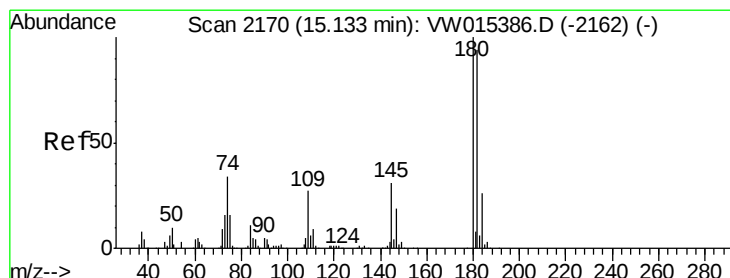
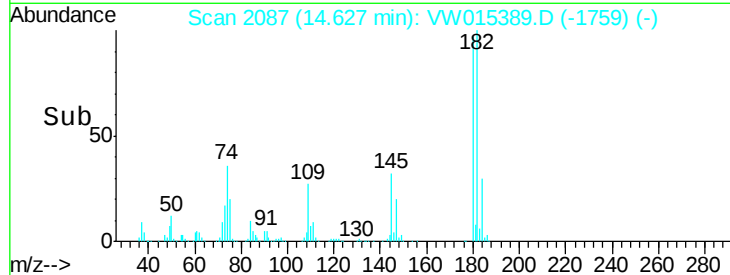
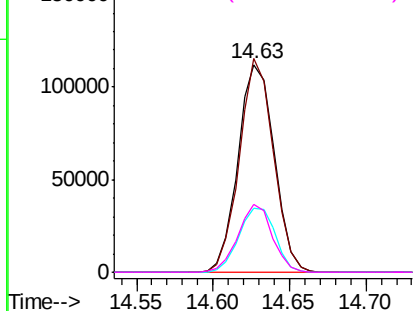
#67
 1,3,5-Trichlorobenzene
 Concen: 26.836 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW015389.D
 Acq: 04 May 2020 16:25

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:180	Resp:	183951
Ion	Ratio	Lower Upper
180	100	
182	97.0	76.8 115.2
184	31.1	24.7 37.1
145	31.0	24.7 37.1

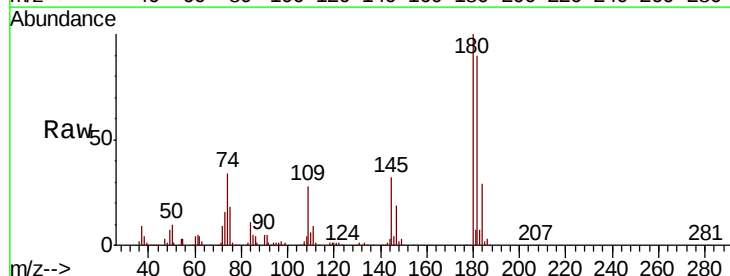


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

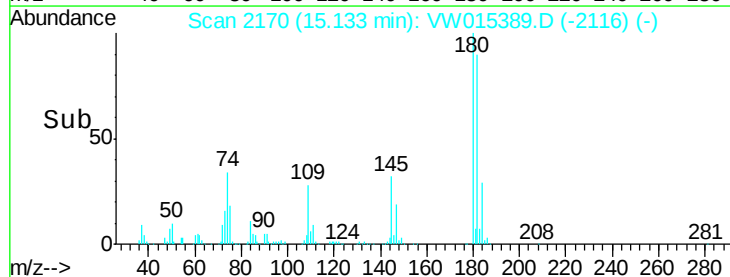
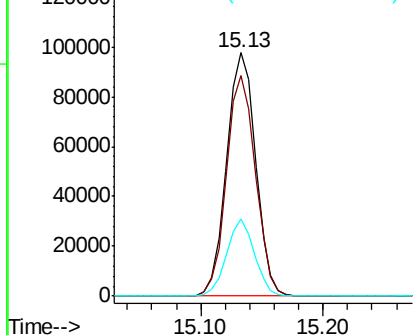


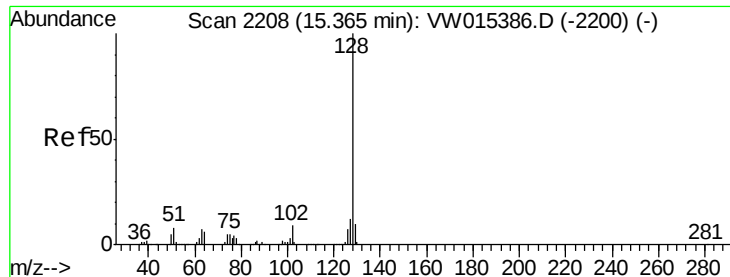
#68
 1,2,4-trichlorobenzene
 Concen: 28.300 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW015389.D
 Acq: 04 May 2020 16:25

Tgt Ion:180	Resp:	160175
Ion	Ratio	Lower Upper
180	100	
182	90.6	77.9 116.9
145	30.3	26.5 39.7



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





#69

Naphthalene

Concen: 27.865 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW015389.D

Acq: 04 May 2020 16:25

Instrument :

MSVOA_W

ClientSampleId :

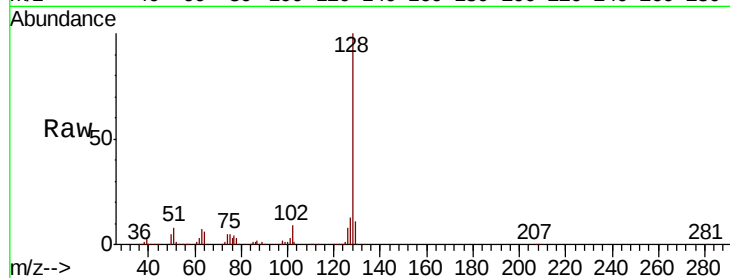
Tot Ion:128 Resp: 295971

Ion Ratio Lower Upper

128 100

129 11.1 8.7 13.1

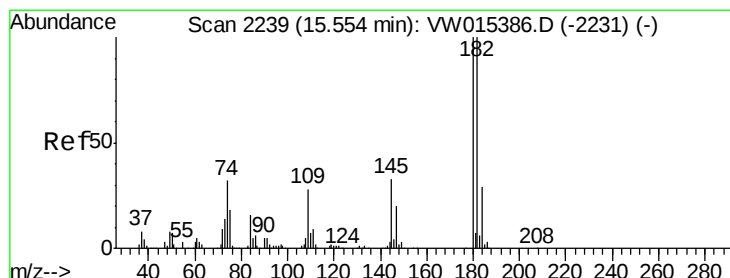
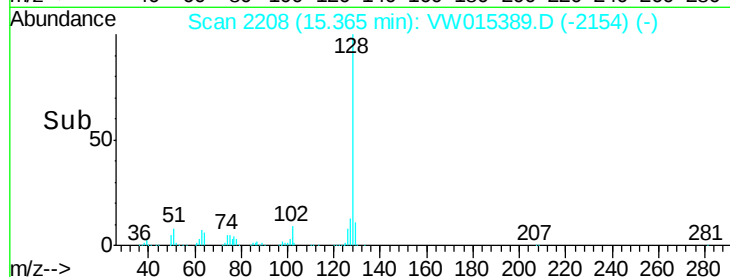
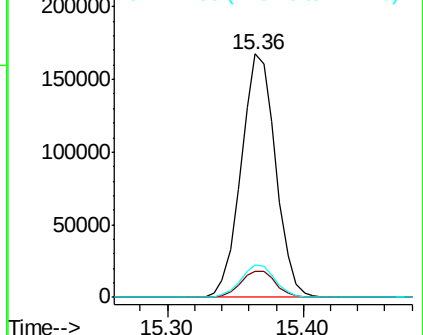
127 13.2 10.3 15.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 27.400 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW015389.D

Acq: 04 May 2020 16:25

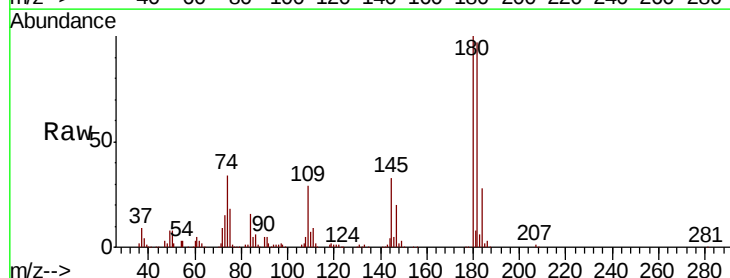
Tgt Ion:180 Resp: 133611

Ion Ratio Lower Upper

180 100

182 96.3 75.7 113.5

145 32.8 26.6 39.8



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

