

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102020\
 Data File : VW016945.D
 Acq On : 20 Oct 2020 09:26
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 20 22:44:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100720S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 20 08:48:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	496403	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	456579	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	237880	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	102774	20.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.96%
7) Chloroethane-d5	2.89	69	93384	22.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.92%
10) 1,1-Dichloroethene-d2	4.03	63	243977	23.46	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.84%
20) 2-Butanone-d5	7.07	46	63883	57.59	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	115.18%
24) Chloroform-d	7.65	84	281883	26.91	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	107.64%
26) 1,2-Dichloroethane-d4	8.31	65	132268	26.14	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	104.56%
29) Benzene-d6	8.27	84	525537	25.34	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.36%
33) 1,2-Dichloropropane-d6	9.27	67	149943	26.91	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	107.64%
37) Toluene-d8	10.32	98	489474	25.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.08%
38) trans-1,3-Dichloropropene-	10.58	79	63227	25.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	102.88%
39) 2-Hexanone-d5	10.93	63	53885	62.52	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	125.04%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	133640	29.69	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	118.76%
61) 1,2-Dichlorobenzene-d4	13.85	152	199812	26.48	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	105.92%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	136411	22.991	ug/L	95
3) Chloromethane	2.21	50	111587	21.335	ug/L	98
5) Vinyl chloride	2.37	62	177022	26.072	ug/L	99
6) Bromomethane	2.78	94	118822	23.804	ug/L	98
8) Chloroethane	2.93	64	104708	24.986	ug/L	99
9) Trichlorofluoromethane	3.26	101	140440	26.770	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	177038	26.490	ug/L	99
12) 1,1-Dichloroethene	4.04	96	165783	25.830	ug/L	95
13) Acetone	4.12	43	42198	50.272	ug/L	99
14) Carbon disulfide	4.39	76	450992	24.506	ug/L	100
15) Methyl Acetate	4.67	43	51637	25.747	ug/L	99
16) Methylene chloride	4.92	84	156997	22.917	ug/L	99
17) Methyl tert-butyl Ether	5.43	73	184707	25.718	ug/L	99
18) trans-1,2-Dichloroethene	5.43	96	171191	25.532	ug/L	99
19) 1,1-Dichloroethane	6.21	63	275734	26.705	ug/L	99
21) 2-Butanone	7.17	43	66222	46.996	ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	179113	26.180	ug/L	99

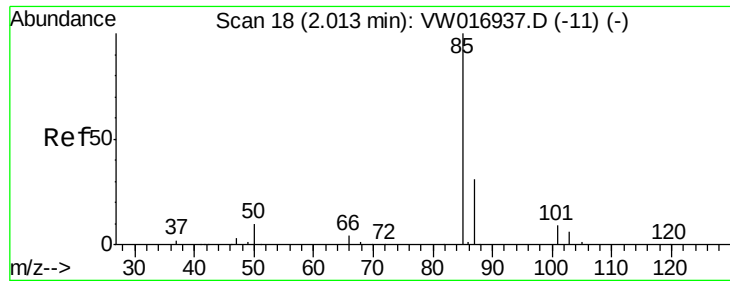
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV102020\
 Data File : VW016945.D
 Acq On : 20 Oct 2020 09:26
 Operator : SY/VA
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 Quant Title : VOC Analysis
 QLast Update : Tue Oct 20 08:48:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	81929	25.501	ug/L	96
25) Chloroform	7.68	83	295232	26.477	ug/L	99
27) 1,2-Dichloroethane	8.40	62	169621	25.429	ug/L	100
30) Cyclohexane	7.96	56	236515	24.979	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	261093	26.890	ug/L	99
32) Carbon tetrachloride	8.07	117	250163	26.402	ug/L	97
34) Benzene	8.32	78	639798	26.094	ug/L	100
35) Trichloroethene	9.09	95	178072	25.676	ug/L	99
36) Methylcyclohexane	9.34	83	298233	25.575	ug/L	99
40) 1,2-Dichloropropane	9.37	63	148259	26.741	ug/L	99
41) Bromodichloromethane	9.65	83	205685	26.408	ug/L	96
42) cis-1,3-Dichloropropene	10.07	75	231448	26.183	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	147350	52.790	ug/L	99
44) Toluene	10.39	91	704751	25.910	ug/L	95
45) trans-1,3-Dichloropropene	10.60	75	199484	26.818	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	119191	26.446	ug/L	99
47) Tetrachloroethene	10.87	164	162623	25.292	ug/L	98
49) 2-Hexanone	10.97	43	99815	54.178	ug/L	99
50) Dibromochloromethane	11.13	129	150849	26.923	ug/L	99
51) 1,2-Dibromoethane	11.24	107	115117	25.991	ug/L	95
52) Chlorobenzene	11.66	112	472127	25.864	ug/L	98
53) Ethylbenzene	11.73	91	807690	26.470	ug/L	100
54) m,p-Xylene	11.84	106	320179	26.980	ug/L	99
55) o-xylene	12.17	106	305079	26.907	ug/L	97
56) Styrene	12.18	104	509160	27.213	ug/L	95
57) Isopropylbenzene	12.46	105	829143	26.705	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	132544	26.610	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	95851	26.564	ug/L	99
62) Bromoform	12.35	173	87287	26.084	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	379762	25.085	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	383069	25.301	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	339368	25.036	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	20097	24.442	ug/L	91
67) 1,3,5-Trichlorobenzene	14.63	180	295944	26.298	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	229499	24.829	ug/L	95
69) Naphthalene	15.36	128	385808	25.207	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	202980	25.556	ug/L	95

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



#2

Dichlorodifluoromethane

Concen: 22.991 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW016945.D

Acq: 20 Oct 2020 09:26

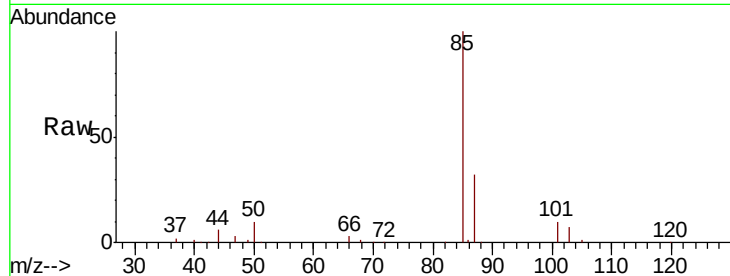
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 85 Resp: 136411

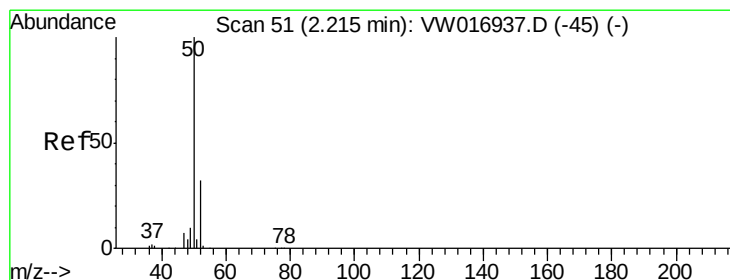
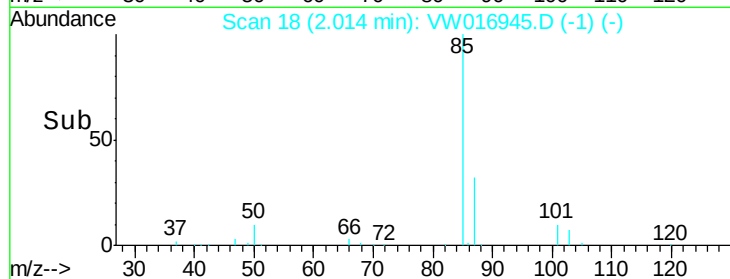
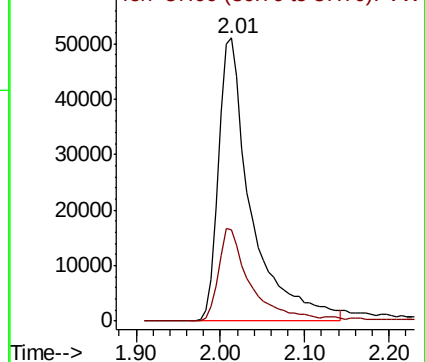
Ion Ratio Lower Upper

85 100

87 31.6 20.4 37.8



Abundance Ion 85.00 (84.70 to 85.70): VW
Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 21.335 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW016945.D

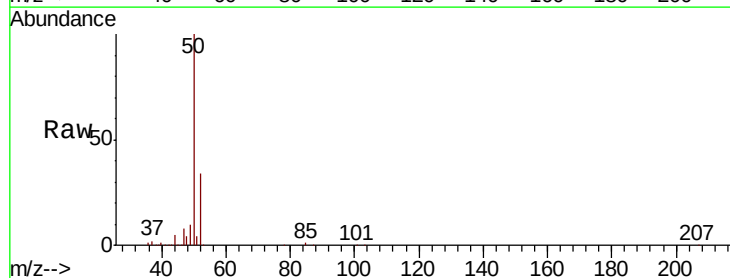
Acq: 20 Oct 2020 09:26

Tgt Ion: 50 Resp: 111587

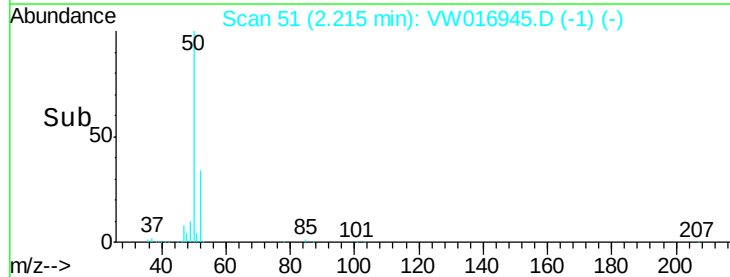
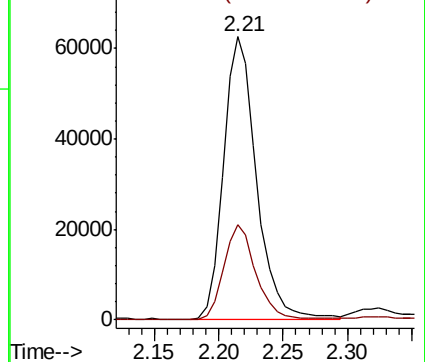
Ion Ratio Lower Upper

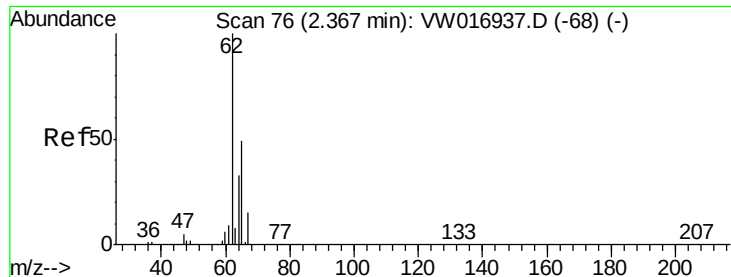
50 100

52 33.5 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VW
Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 26.072 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW016945.D

Acq: 20 Oct 2020 09:26

Instrument :

MSVOA_W

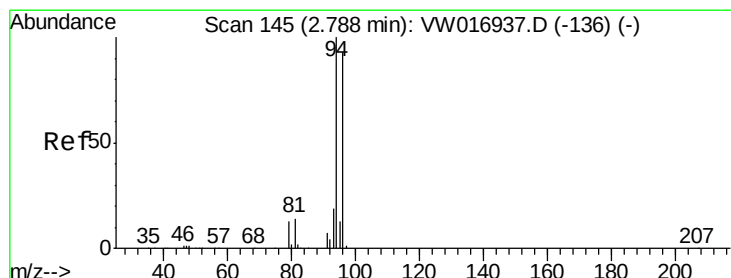
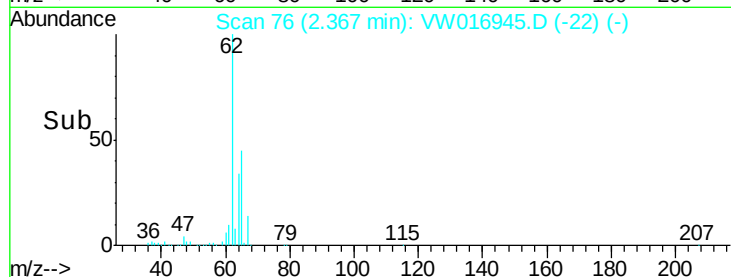
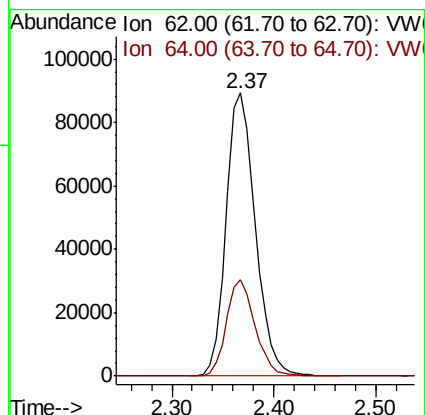
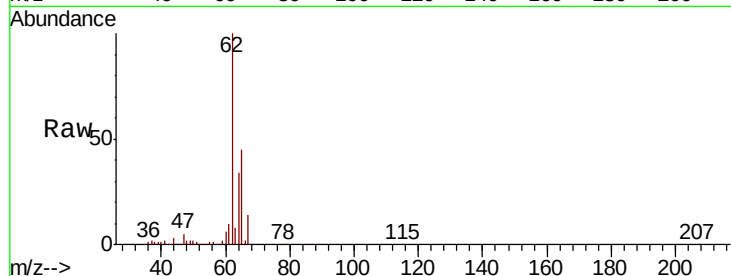
ClientSampleId :

Tot Ion: 62 Resp: 177022

Ion Ratio Lower Upper

62 100

64 34.0 23.5 43.7



#6

Bromomethane

Concen: 23.804 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW016945.D

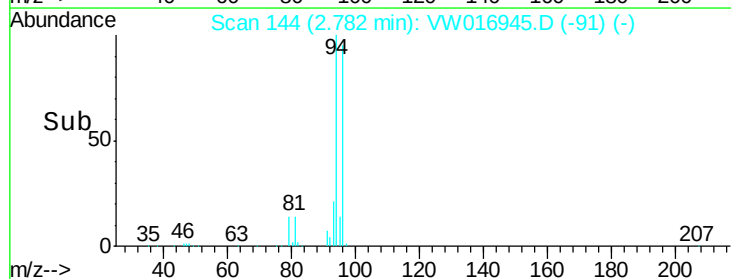
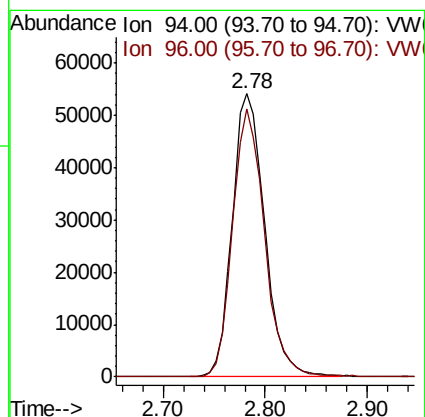
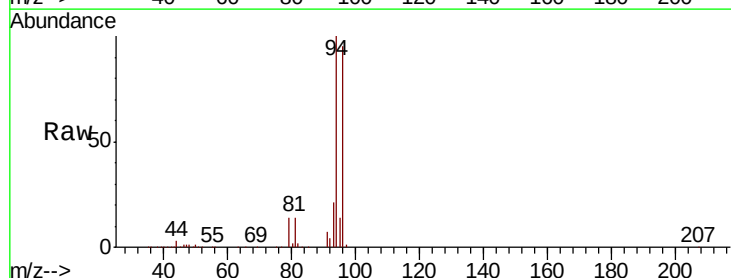
Acq: 20 Oct 2020 09:26

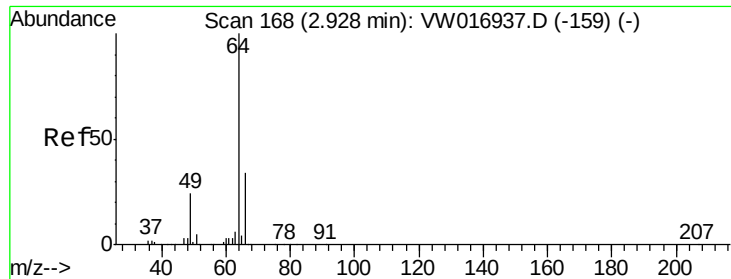
Tgt Ion: 94 Resp: 118822

Ion Ratio Lower Upper

94 100

96 92.9 9.5 180.7





#8

Chloroethane

Concen: 24.986 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW016945.D

Acq: 20 Oct 2020 09:26

Instrument :

MSVOA_W

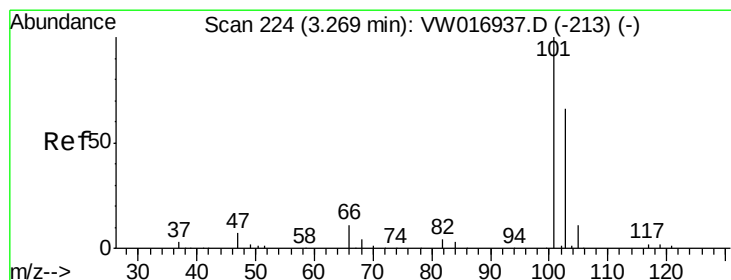
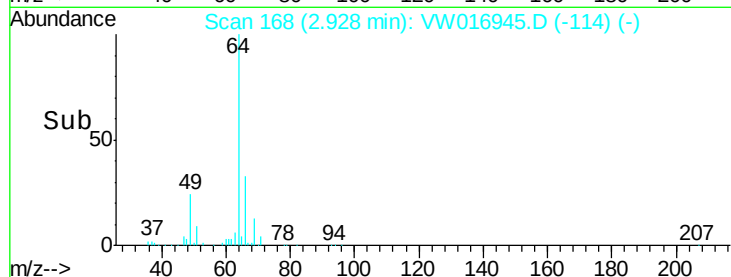
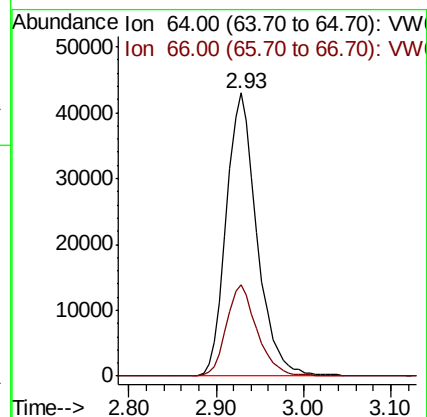
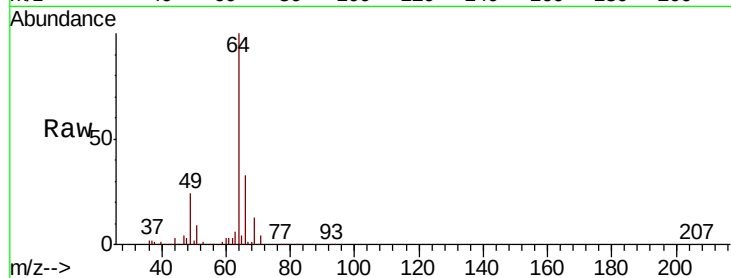
ClientSampleId :

Tot Ion: 64 Resp: 104708

Ion Ratio Lower Upper

64 100

66 32.5 22.5 41.7



#9

Trichlorofluoromethane

Concen: 26.770 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.01 min

Lab File: VW016945.D

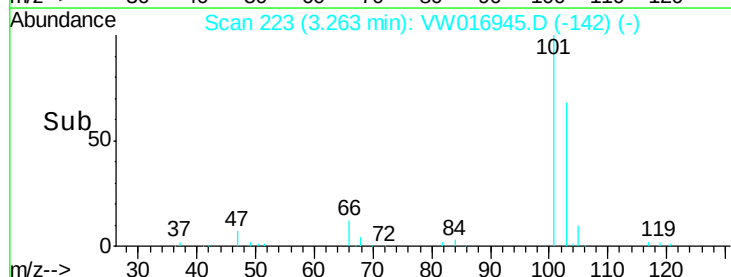
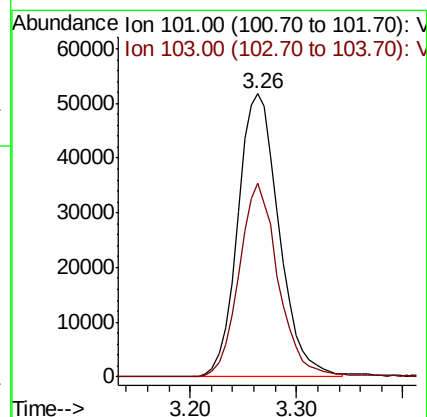
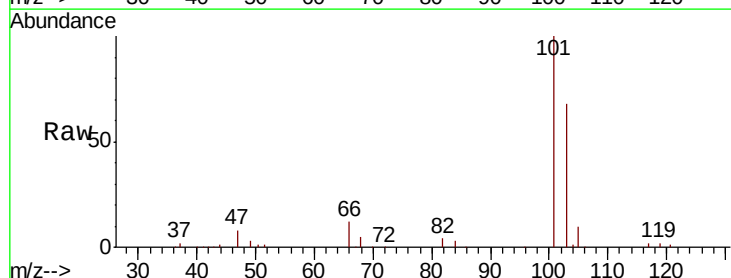
Acq: 20 Oct 2020 09:26

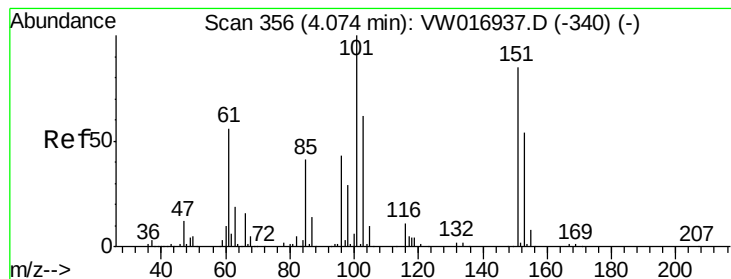
Tgt Ion: 101 Resp: 140440

Ion Ratio Lower Upper

101 100

103 65.3 45.2 84.0





#11

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

Concen: 26.490 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.01 min

Lab File: VW016945.D

Acq: 20 Oct 2020 09:26

Instrument :

MSVOA_W

ClientSampled :

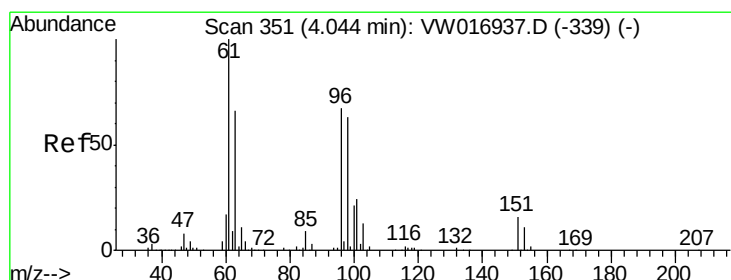
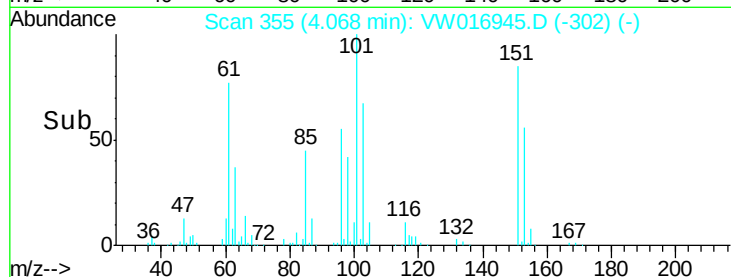
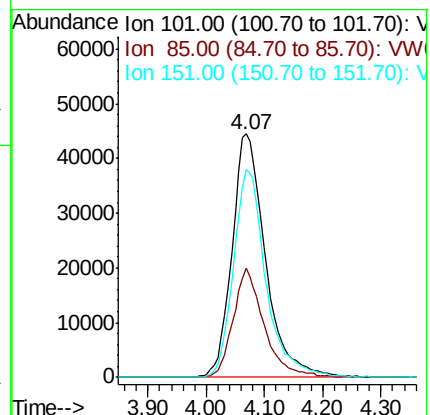
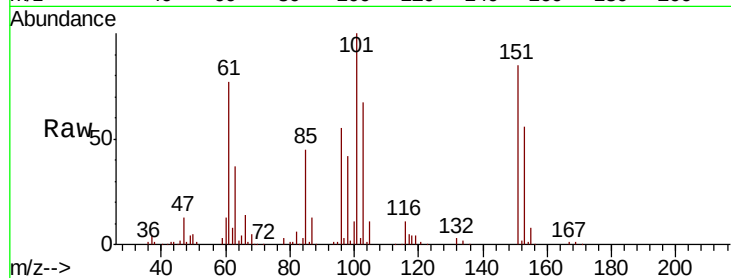
Tot Ion:101 Resp: 177038

Ion Ratio Lower Upper

101 100

85 40.7 31.7 47.5

151 82.9 66.6 99.8



#12

1,1-Dichloroethene

Concen: 25.830 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

Lab File: VW016945.D

Acq: 20 Oct 2020 09:26

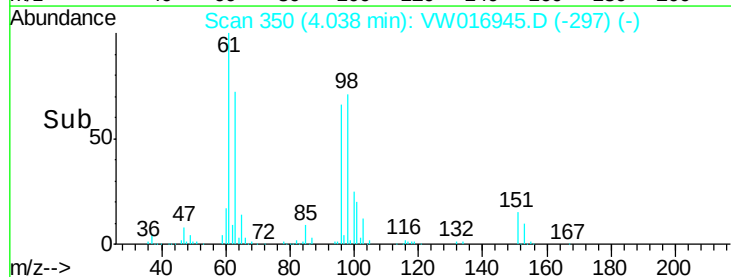
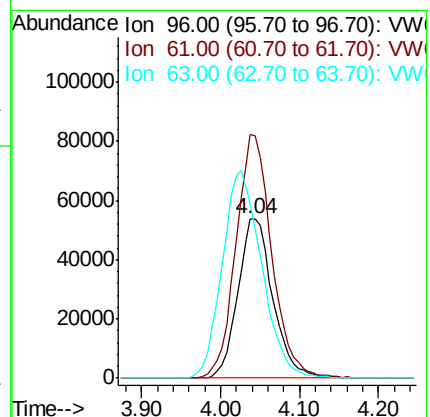
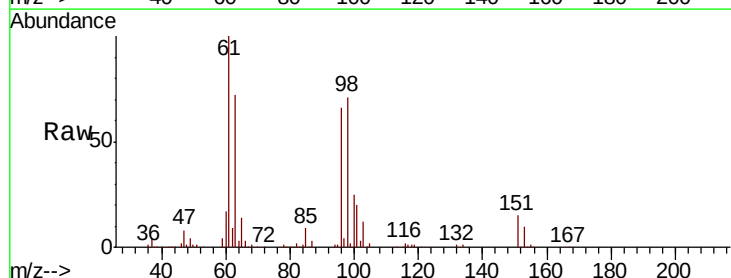
Tgt Ion: 96 Resp: 165783

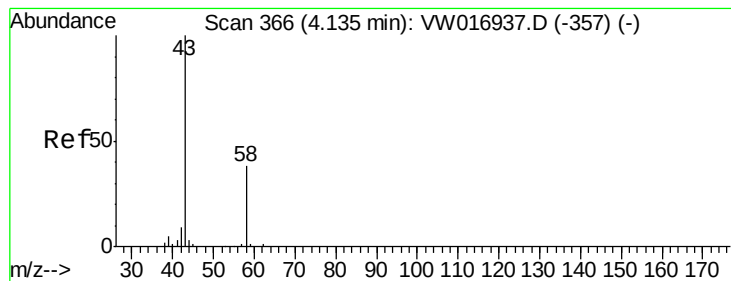
Ion Ratio Lower Upper

96 100

61 152.6 105.1 195.1

63 109.6 69.9 129.7





#13

Acetone

Concen: 50.272 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW016945.D

Acq: 20 Oct 2020 09:26

Instrument :

MSVOA_W

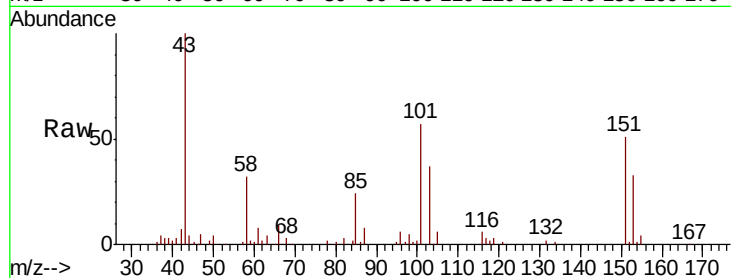
ClientSampleId :

Tot Ion: 43 Resp: 42198

Ion Ratio Lower Upper

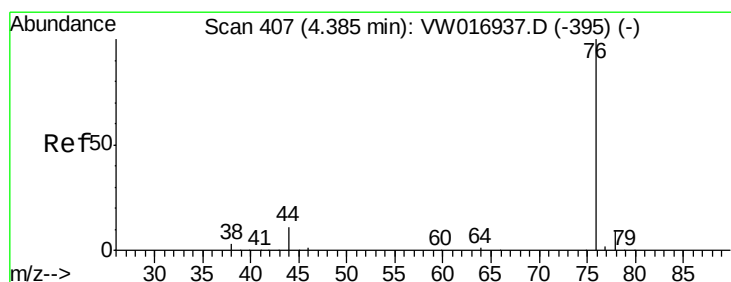
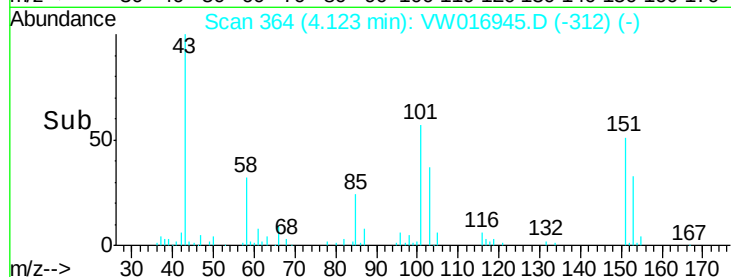
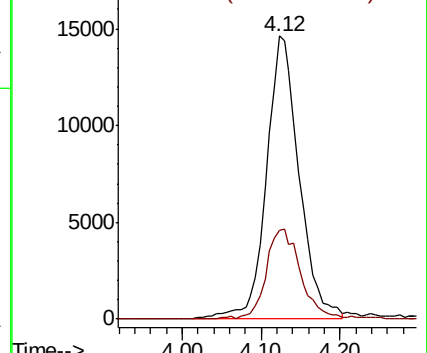
43 100

58 32.9 0.0 67.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 24.506 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW016945.D

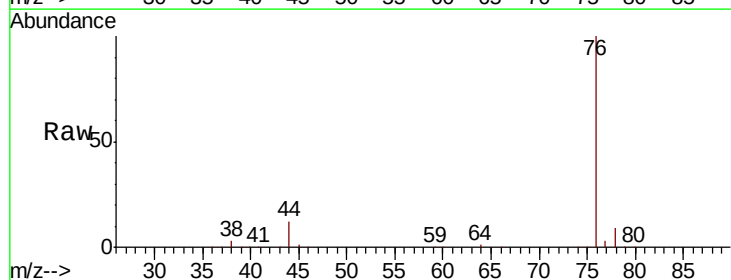
Acq: 20 Oct 2020 09:26

Tgt Ion: 76 Resp: 450992

Ion Ratio Lower Upper

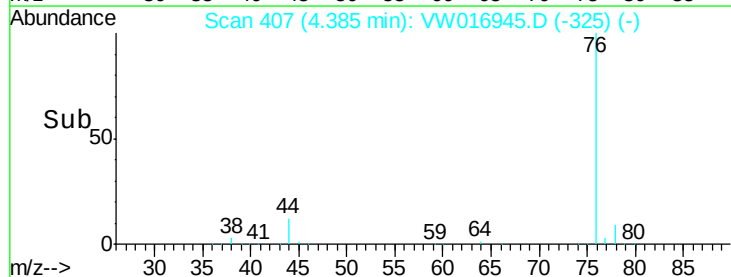
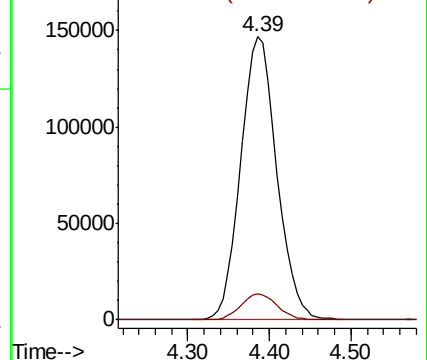
76 100

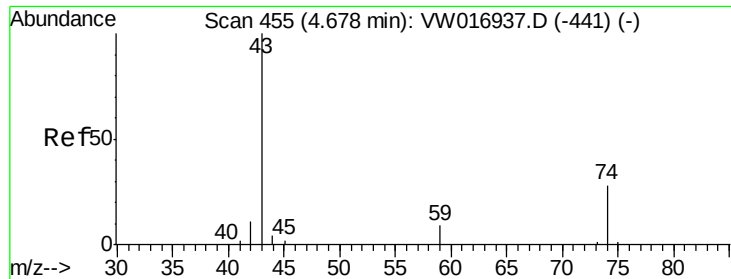
78 9.1 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

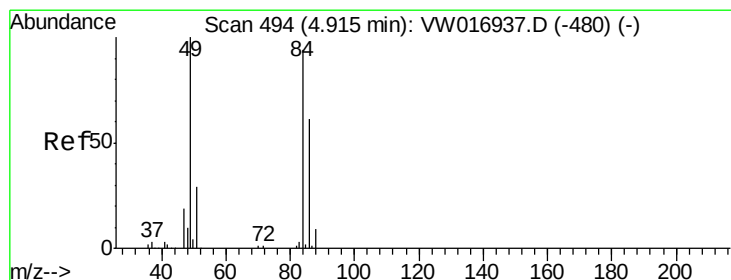
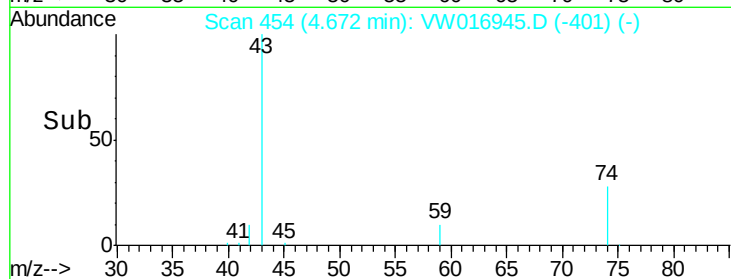
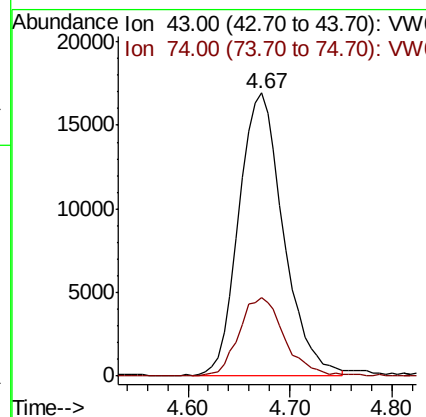
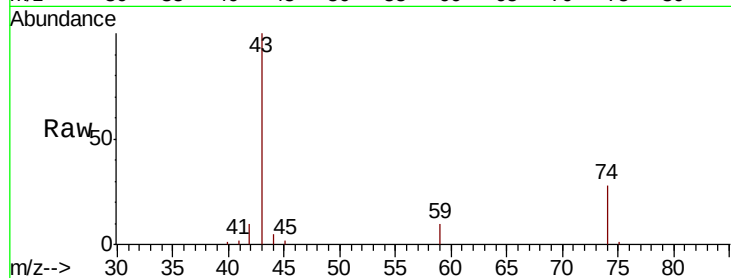




#15
Methyl Acetate
Concen: 25.747 ug/L
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW016945.D
Acq: 20 Oct 2020 09:26

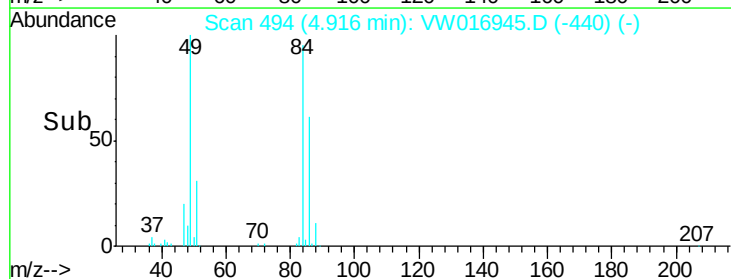
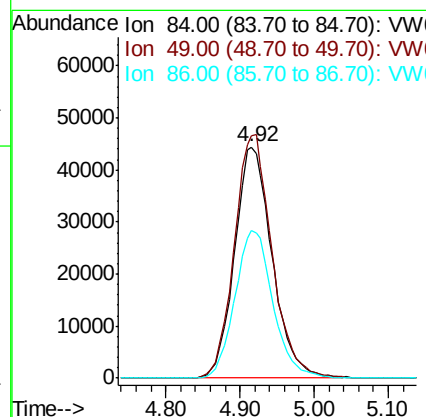
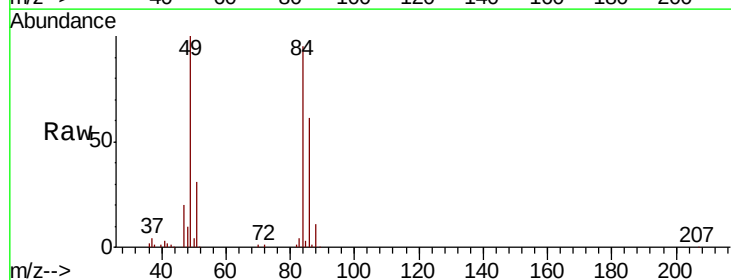
Instrument :
MSVOA_W
ClientSampleId :

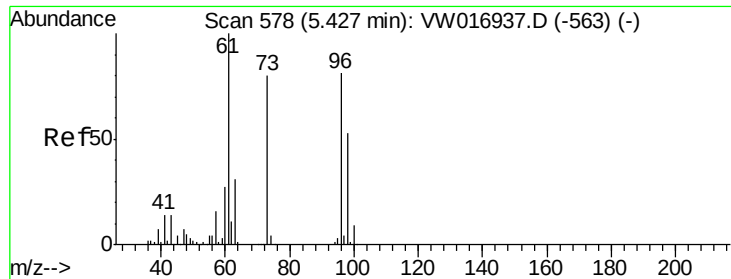
Tot Ion: 43 Resp: 51637
Ion Ratio Lower Upper
43 100
74 27.7 22.7 34.1



#16
Methylene chloride
Concen: 22.917 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW016945.D
Acq: 20 Oct 2020 09:26

Tgt Ion: 84 Resp: 156997
Ion Ratio Lower Upper
84 100
49 105.0 73.1 135.8
86 63.6 46.0 85.4

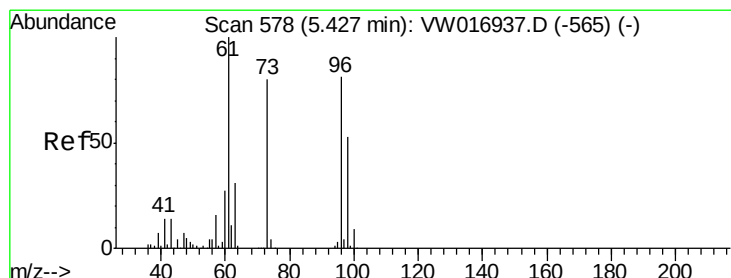
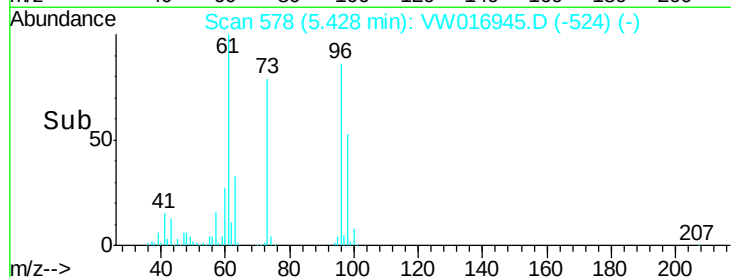
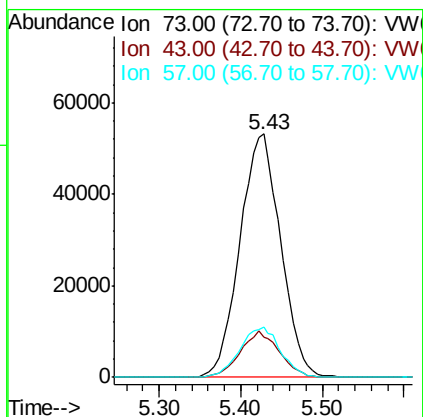
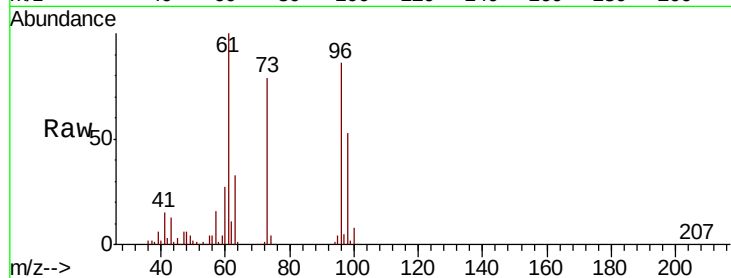




#17
Methyl tert-butyl Ether
Concen: 25.718 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW016945.D
Acq: 20 Oct 2020 09:26

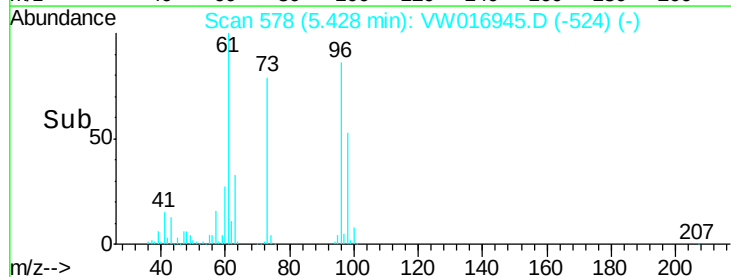
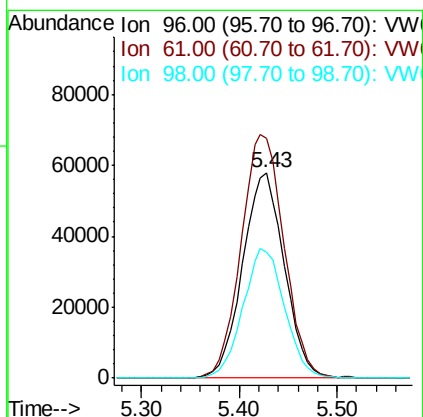
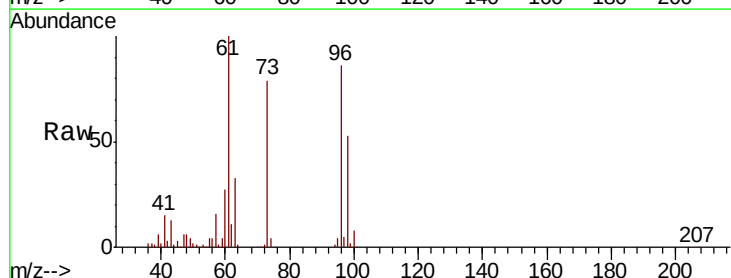
Instrument :
MSVOA_W
ClientSampled :

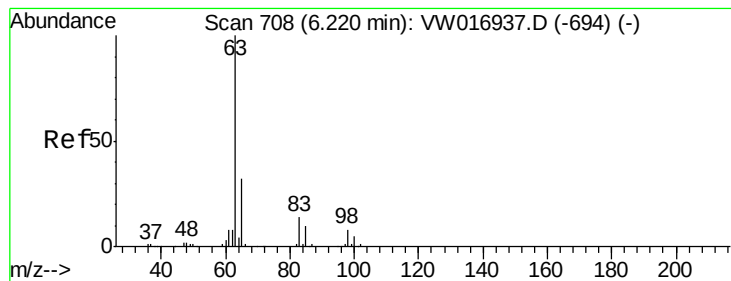
Tot Ion	Ratio	Lower	Upper
73	100		
43	18.1	15.0	22.4
57	20.5	16.4	24.6



#18
trans-1,2-Dichloroethene
Concen: 25.532 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW016945.D
Acq: 20 Oct 2020 09:26

Tgt Ion	Ratio	Lower	Upper
96	100		
61	116.6	82.5	153.3
98	61.3	43.3	80.5





#19

1,1-Dichloroethane

Concen: 26.705 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW016945.D

Acq: 20 Oct 2020 09:26

Instrument :

MSVOA_W

ClientSampleId :

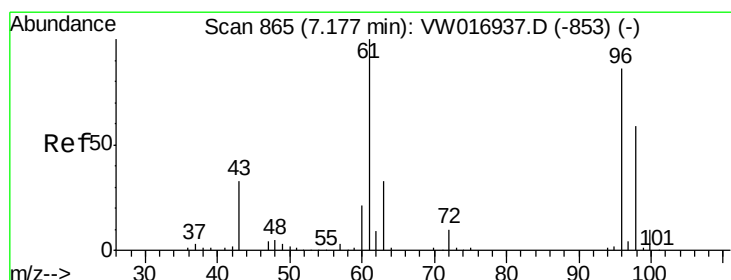
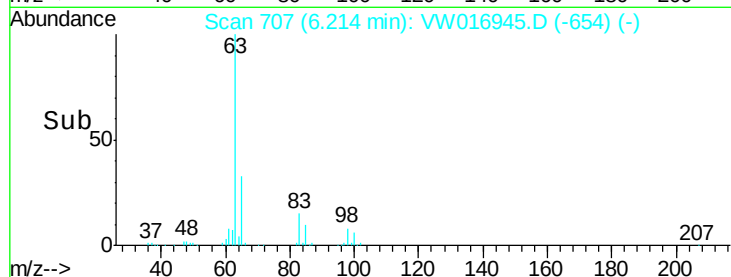
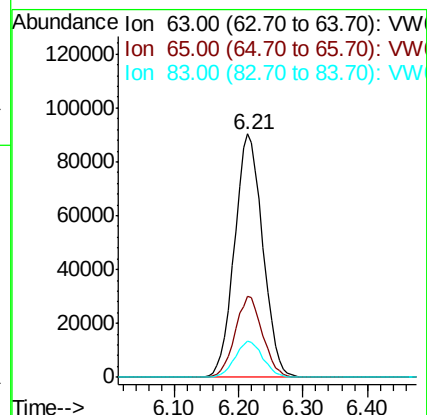
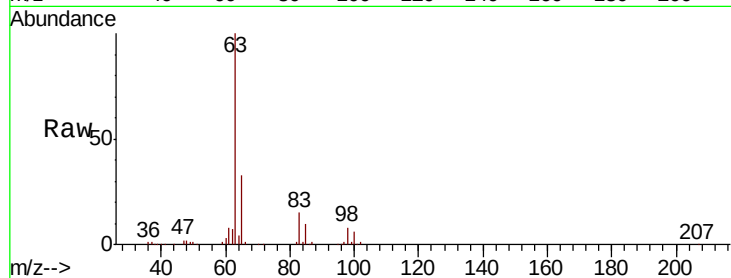
Tot Ion: 63 Resp: 275734

Ion Ratio Lower Upper

63 100

65 33.1 22.7 42.1

83 14.8 9.9 18.5



#21

2-Butanone

Concen: 46.996 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW016945.D

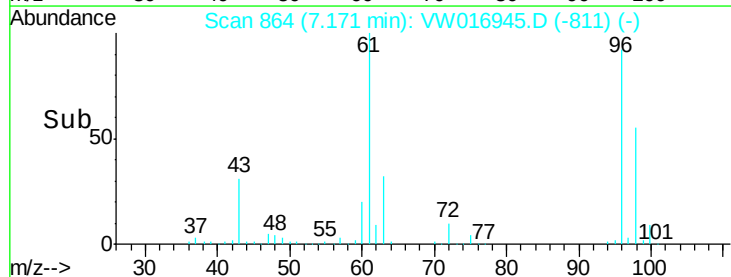
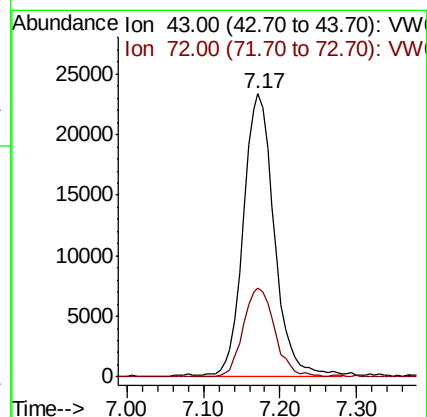
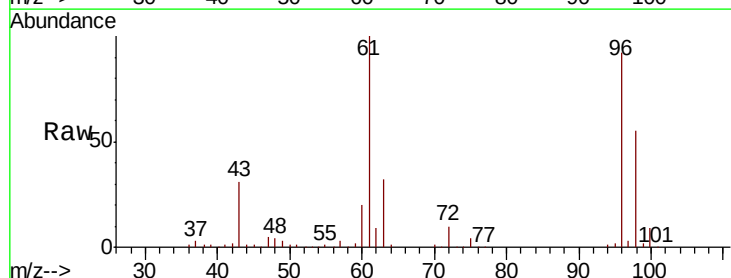
Acq: 20 Oct 2020 09:26

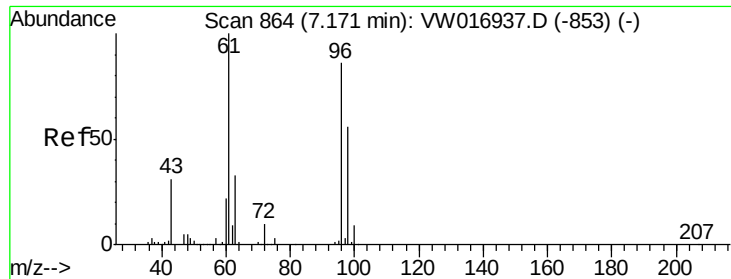
Tgt Ion: 43 Resp: 66222

Ion Ratio Lower Upper

43 100

72 31.2 16.2 48.5



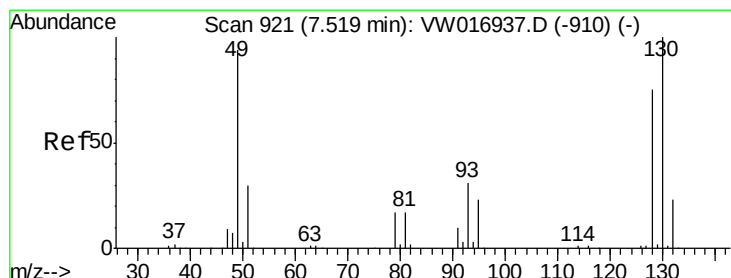
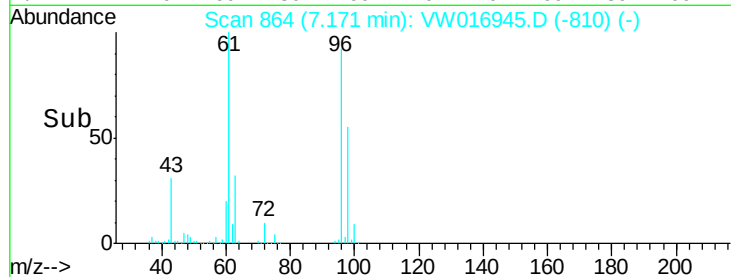
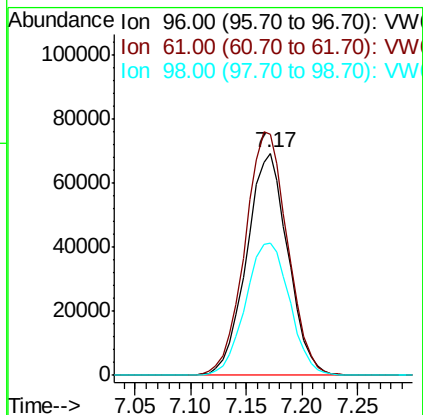
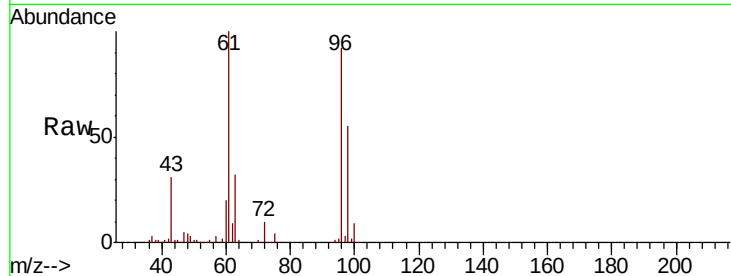


#22

cis-1,2-Dichloroethene
 Concen: 26.180 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW016945.D
 Acq: 20 Oct 2020 09:26

Instrument :
 MSVOA_W
 ClientSampled :

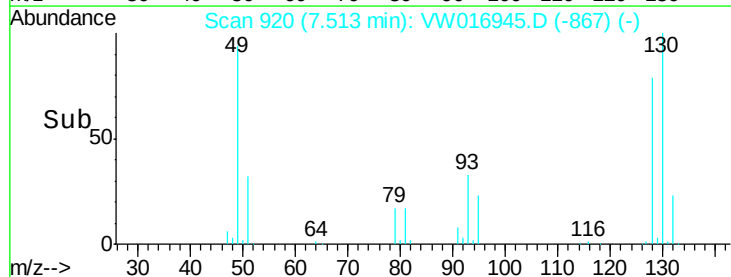
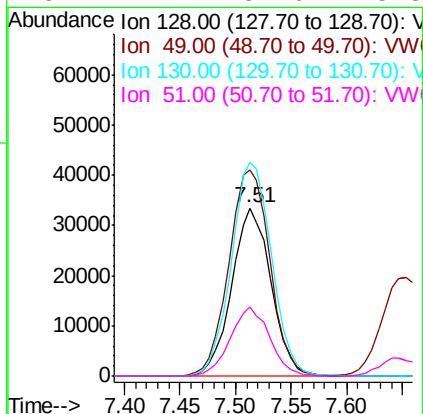
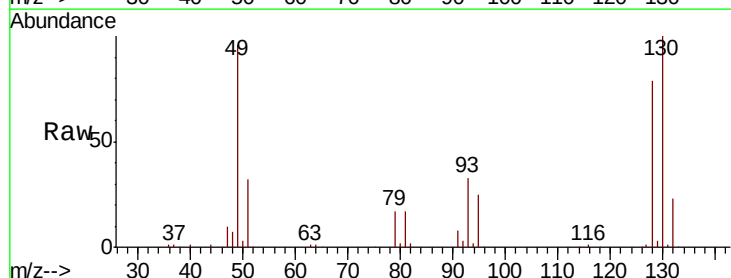
Tot Ion	96	Resp	179113
Ion Ratio	Lower	Upper	
96	100		
61	108.8	76.0	141.2
98	59.6	42.7	79.3

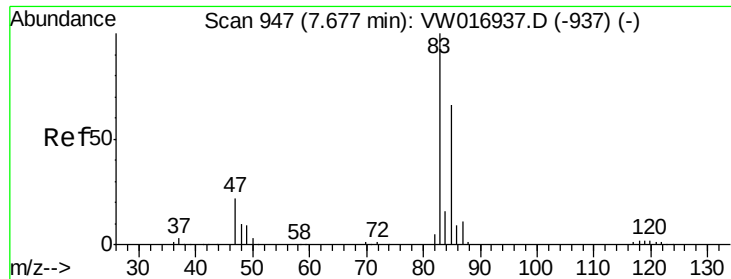


#23

Bromochloromethane
 Concen: 25.501 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VW016945.D
 Acq: 20 Oct 2020 09:26

Tgt Ion	128	Resp	81929
Ion Ratio	Lower	Upper	
128	100		
49	122.4	88.5	164.3
130	127.1	92.9	172.5
51	41.2	32.6	48.8

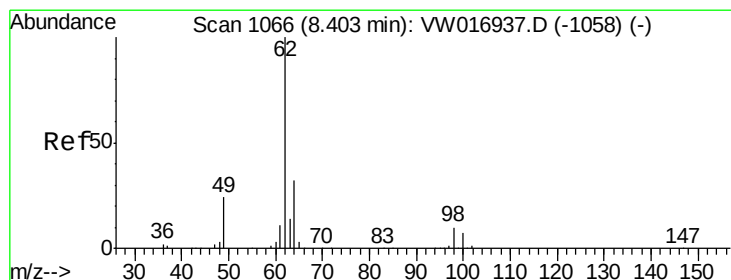
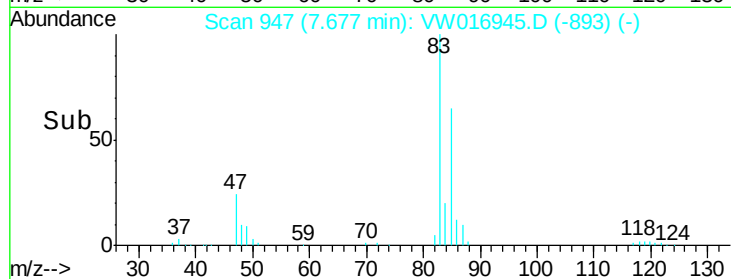
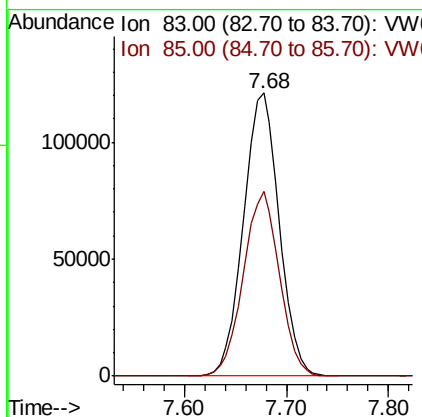
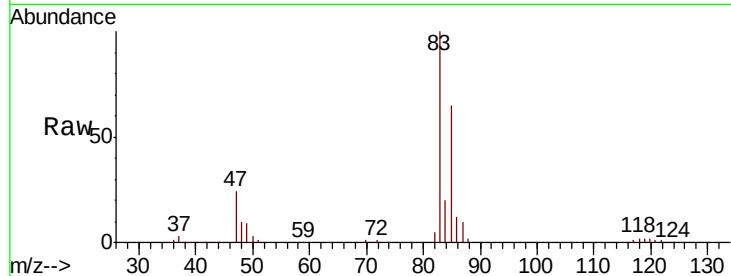




#25
Chloroform
Concen: 26.477 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW016945.D
Acq: 20 Oct 2020 09:26

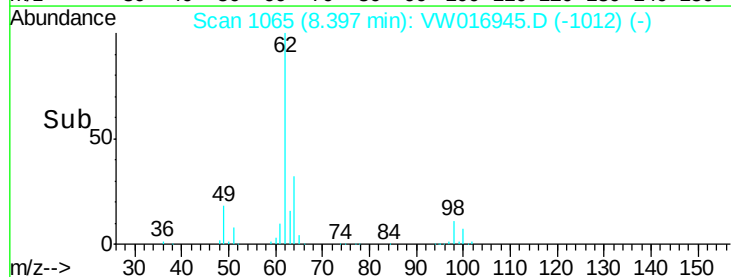
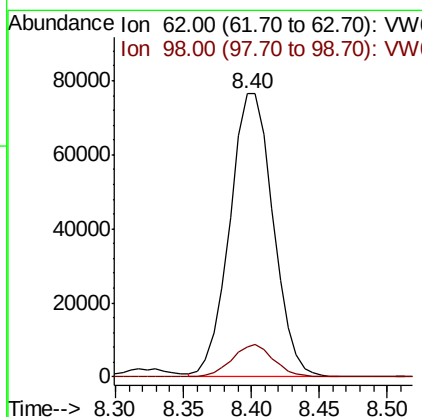
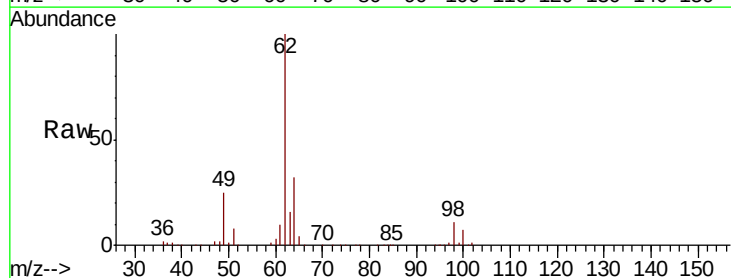
Instrument :
MSVOA_W
ClientSampleId :

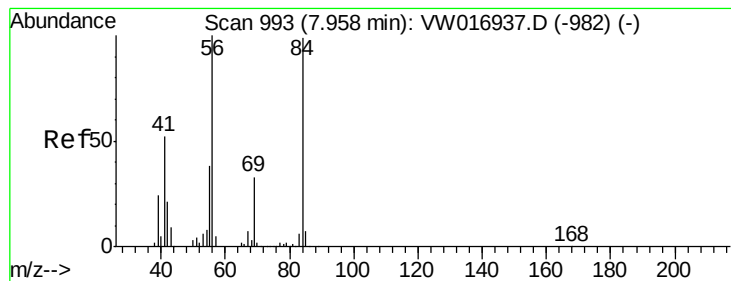
Tot Ion: 83 Resp: 295232
Ion Ratio Lower Upper
83 100
85 65.9 46.9 87.1



#27
1,2-Dichloroethane
Concen: 25.429 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW016945.D
Acq: 20 Oct 2020 09:26

Tgt Ion: 62 Resp: 169621
Ion Ratio Lower Upper
62 100
98 10.7 8.6 12.8





#30

Cyclohexane

Concen: 24.979 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW016945.D

Acq: 20 Oct 2020 09:26

Instrument :

MSVOA_W

ClientSampled :

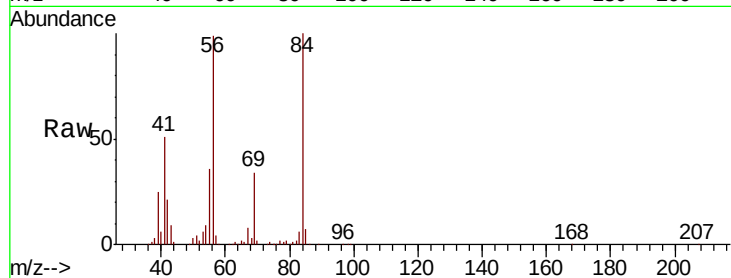
Tot Ion: 56 Resp: 236515

Ion Ratio Lower Upper

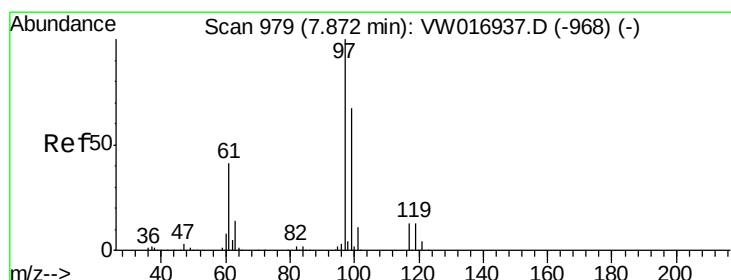
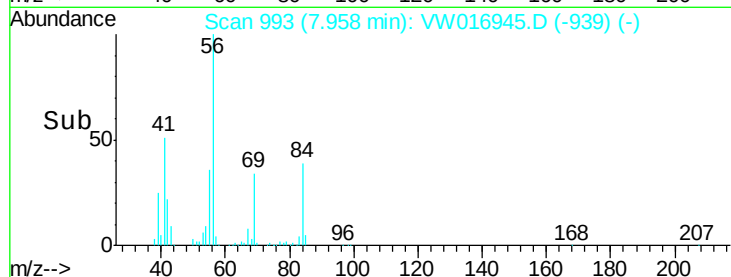
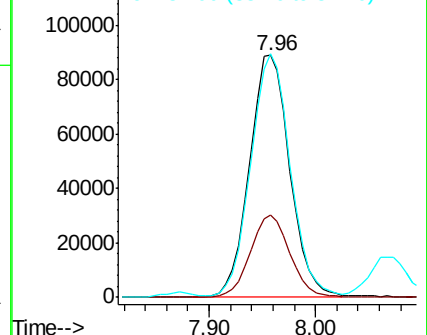
56 100

69 33.1 26.1 39.1

84 98.8 79.3 118.9



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#31

1,1,1-Trichloroethane

Concen: 26.890 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW016945.D

Acq: 20 Oct 2020 09:26

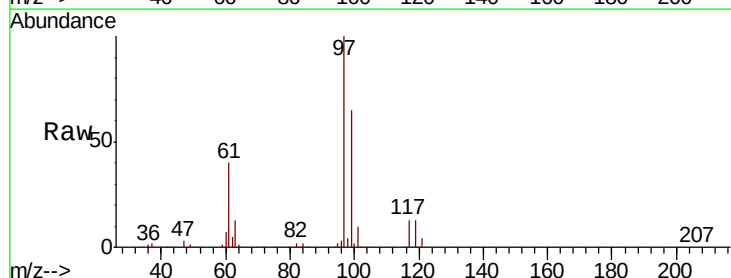
Tgt Ion: 97 Resp: 261093

Ion Ratio Lower Upper

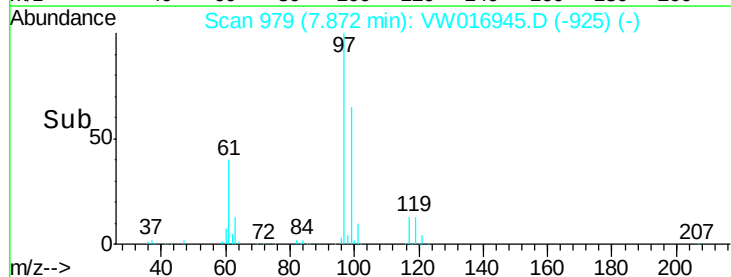
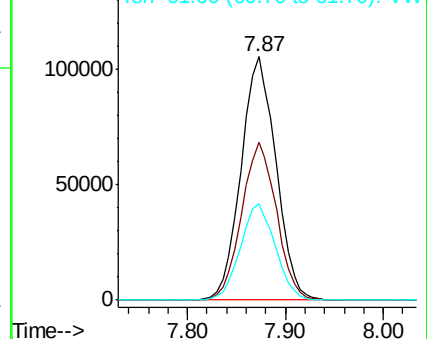
97 100

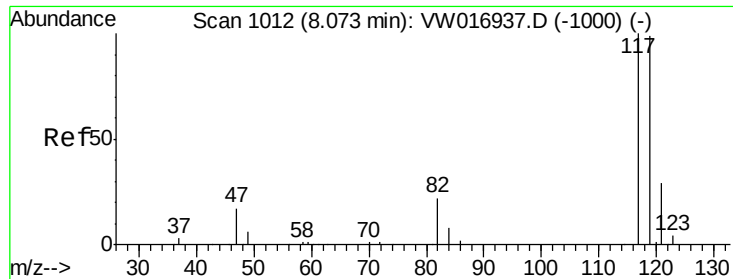
99 64.5 51.5 77.3

61 39.6 32.5 48.7



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





#32

Carbon tetrachloride

Concen: 26.402 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VW016945.D

Acq: 20 Oct 2020 09:26

Instrument :

MSVOA_W

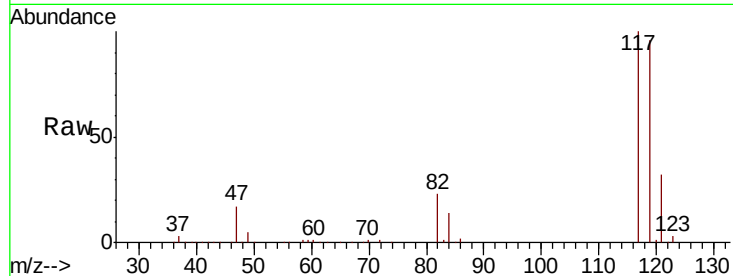
ClientSampleId :

Tot Ion:117 Resp: 250163

Ion Ratio Lower Upper

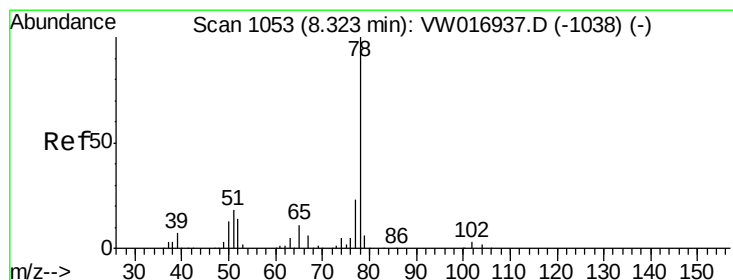
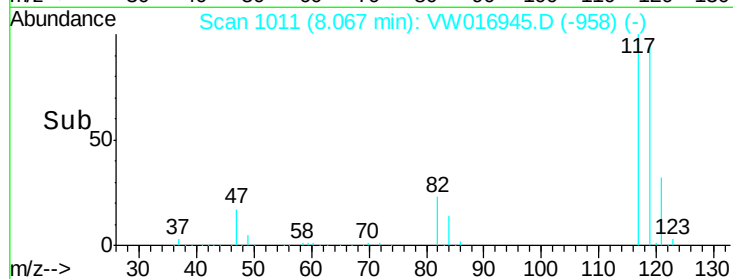
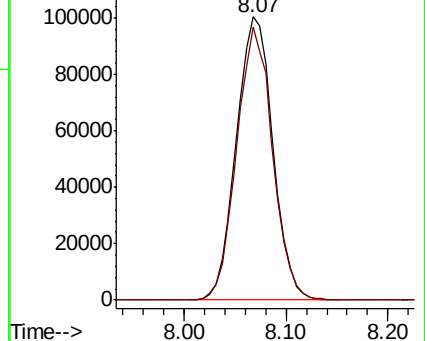
117 100

119 94.2 77.4 116.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 26.094 ug/L

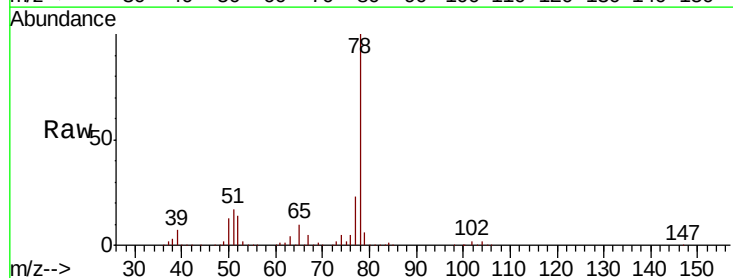
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

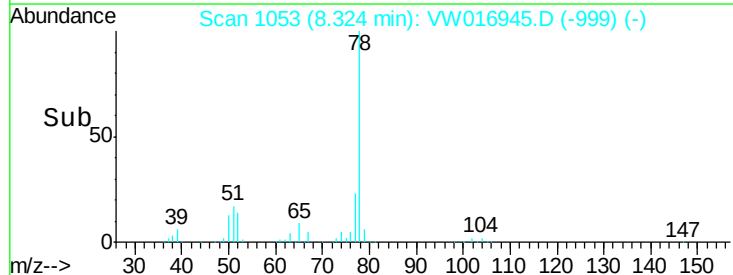
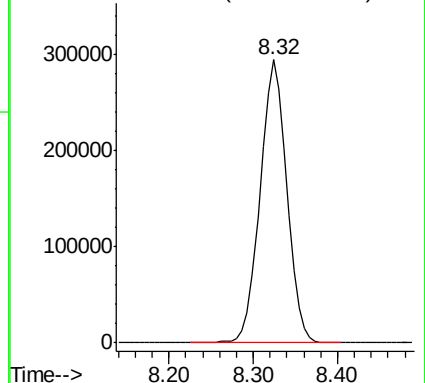
Lab File: VW016945.D

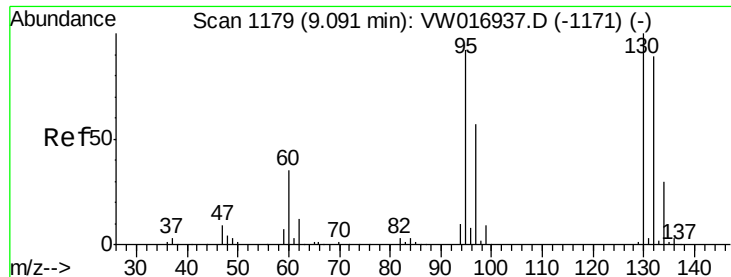
Acq: 20 Oct 2020 09:26

Tgt Ion: 78 Resp: 639798



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 25.676 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW016945.D

Acq: 20 Oct 2020 09:26

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 95 Resp: 178072

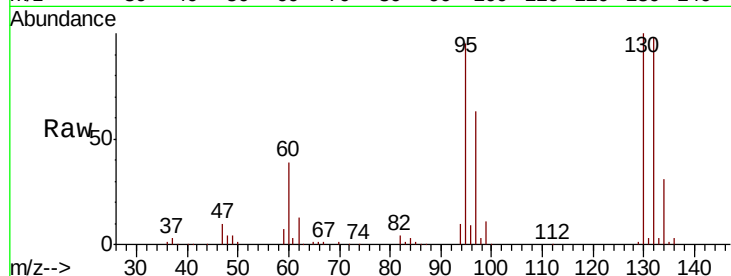
Ion Ratio Lower Upper

95 100

97 64.9 44.7 83.1

132 105.3 73.8 137.2

130 107.8 77.1 143.3

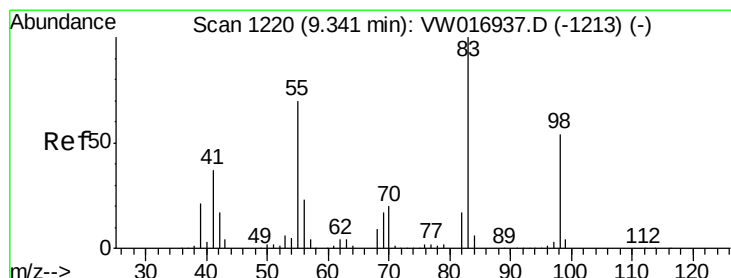
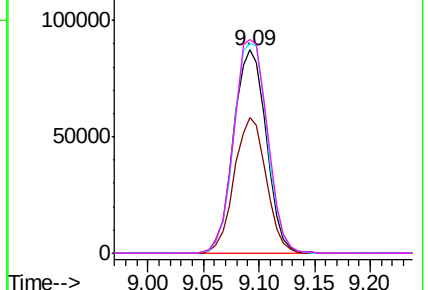
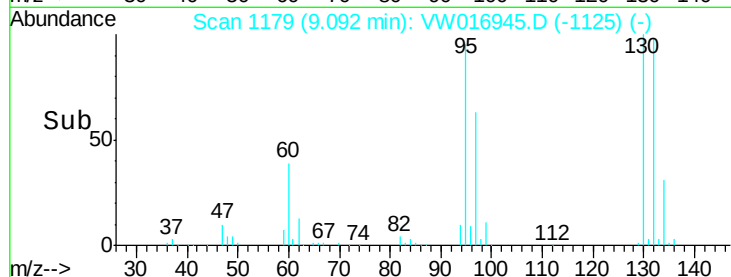


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#36

Methylcyclohexane

Concen: 25.575 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.01 min

Lab File: VW016945.D

Acq: 20 Oct 2020 09:26

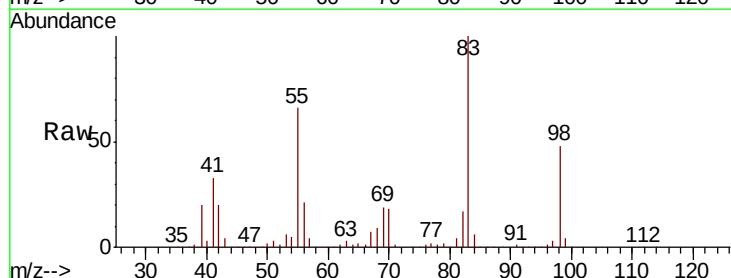
Tgt Ion: 83 Resp: 298233

Ion Ratio Lower Upper

83 100

55 67.9 54.2 81.4

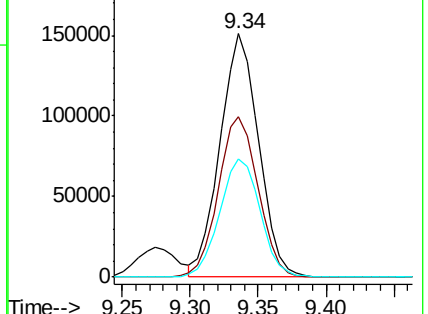
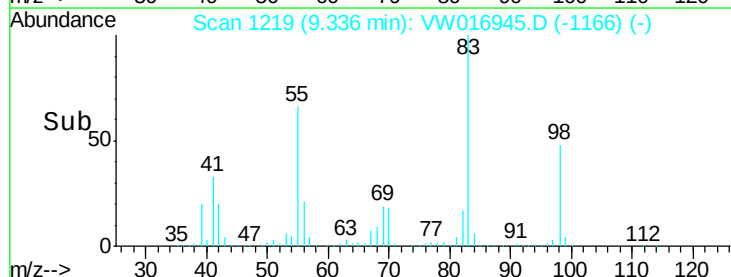
98 50.8 41.4 62.2

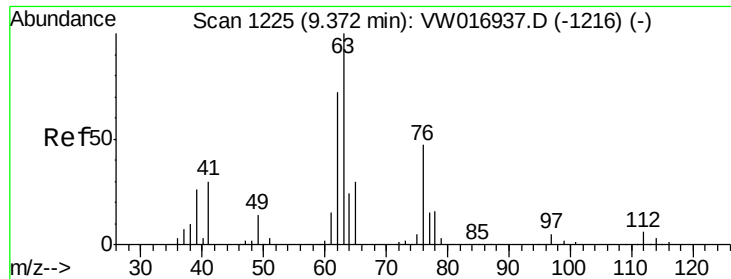


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

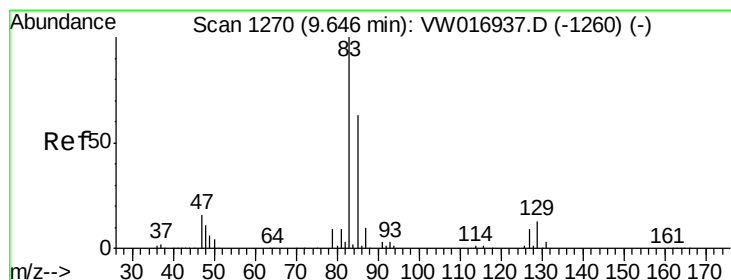
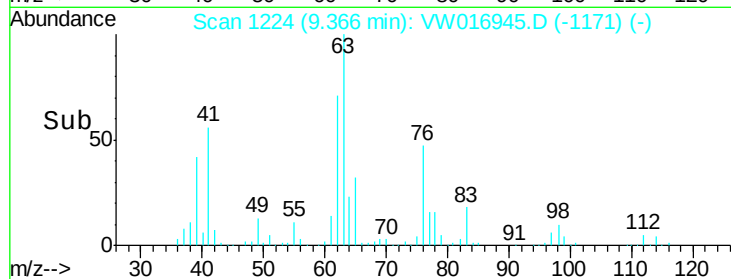
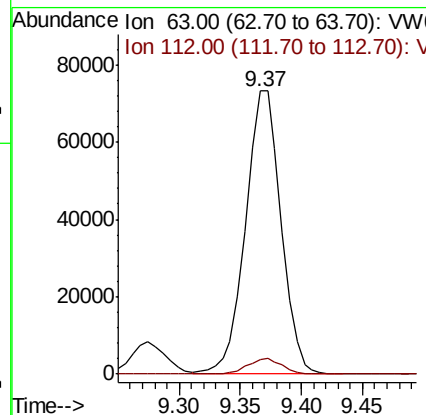
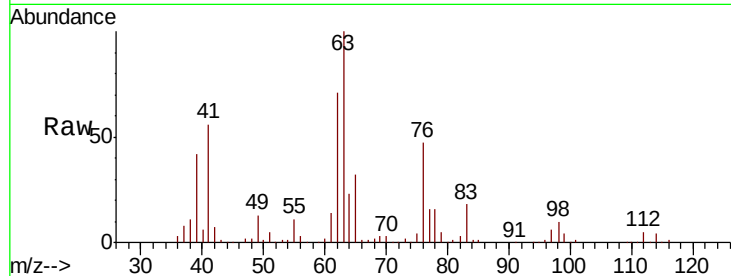




#40
 1,2-Dichloropropane
 Concen: 26.741 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: VW016945.D
 Acq: 20 Oct 2020 09:26

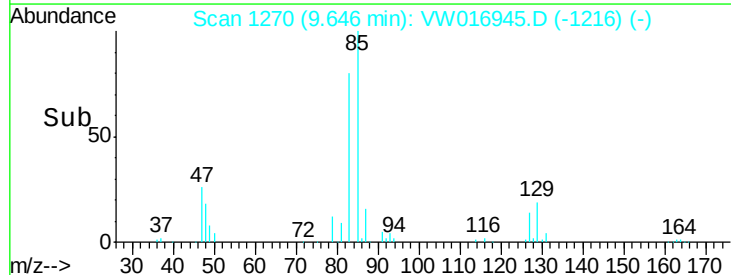
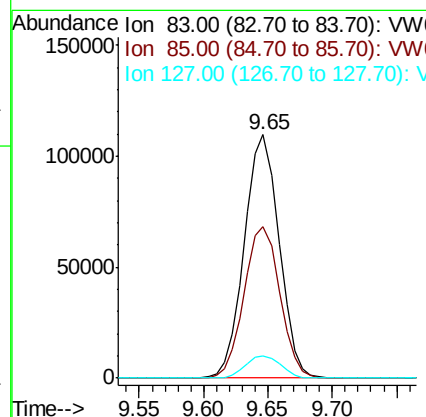
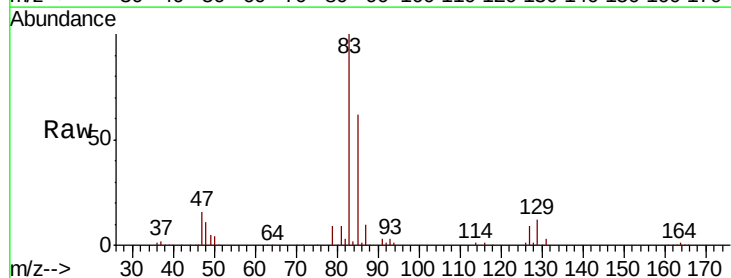
Instrument :
 MSVOA_W
 ClientSampled :

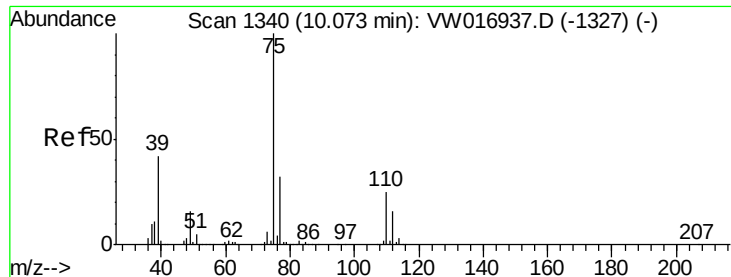
Tot Ion: 63 Resp: 148259
 Ion Ratio Lower Upper
 63 100
 112 5.4 4.5 6.7



#41
 Bromodichloromethane
 Concen: 26.408 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW016945.D
 Acq: 20 Oct 2020 09:26

Tgt Ion: 83 Resp: 205685
 Ion Ratio Lower Upper
 83 100
 85 62.4 46.2 85.8
 127 9.0 7.5 11.3





#42

cis-1,3-Dichloropropene

Concen: 26.183 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW016945.D

Acq: 20 Oct 2020 09:26

Instrument :

MSVOA_W

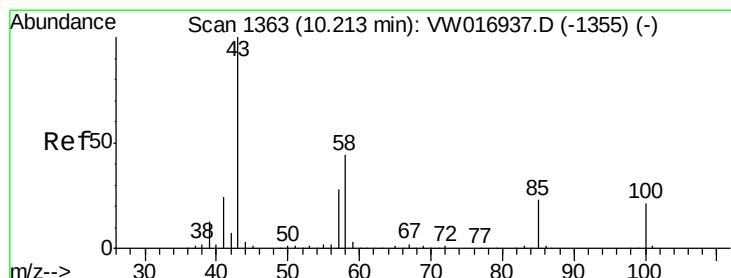
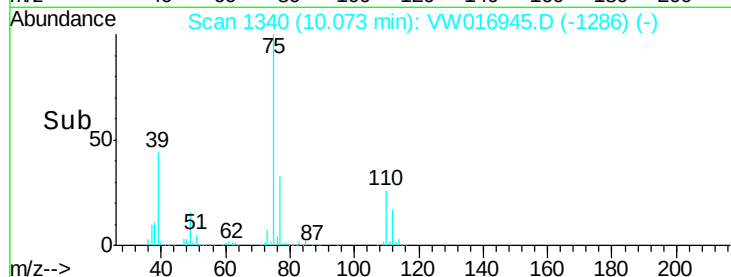
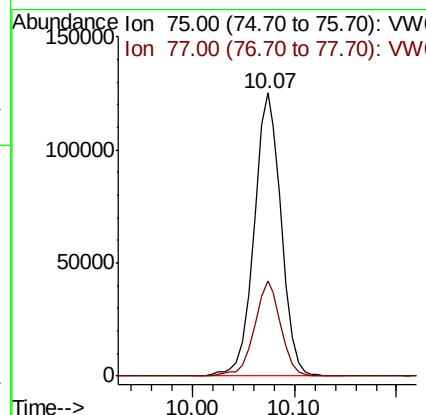
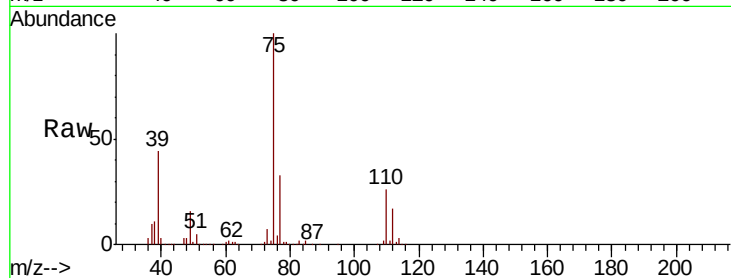
ClientSampled :

Tot Ion: 75 Resp: 231448

Ion Ratio Lower Upper

75 100

77 33.5 22.1 41.1



#43

4-Methyl-2-pentanone

Concen: 52.790 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VW016945.D

Acq: 20 Oct 2020 09:26

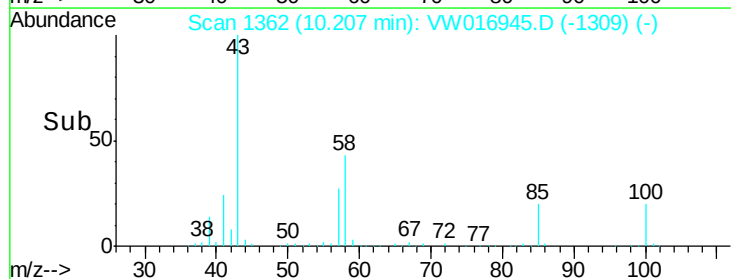
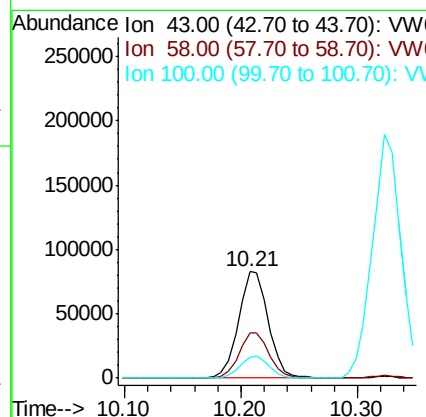
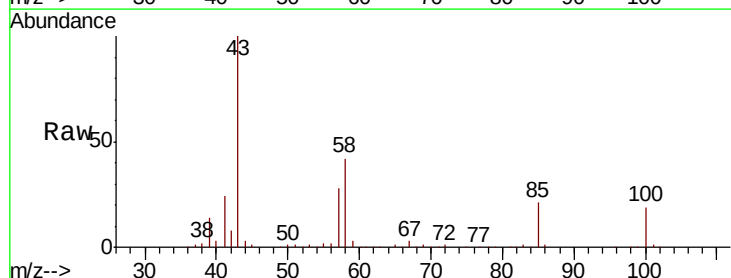
Tgt Ion: 43 Resp: 147350

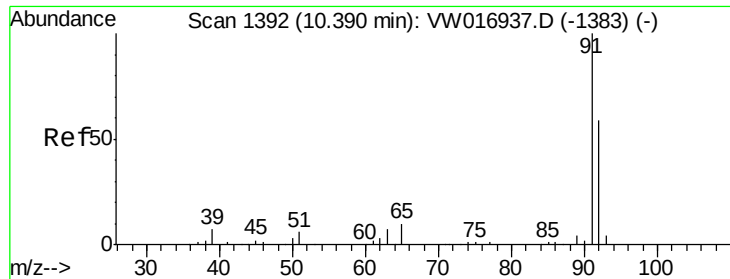
Ion Ratio Lower Upper

43 100

58 43.1 34.7 52.1

100 20.3 16.9 25.3





#44

Toluene

Concen: 25.910 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016945.D

Acq: 20 Oct 2020 09:26

Instrument :

MSVOA_W

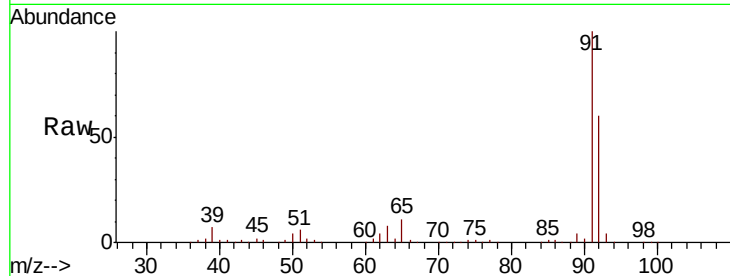
ClientSampleId :

Tot Ion: 91 Resp: 704751

Ion Ratio Lower Upper

91 100

92 60.2 39.4 73.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.39

400000

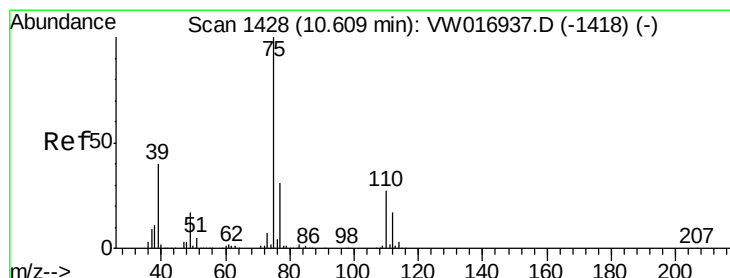
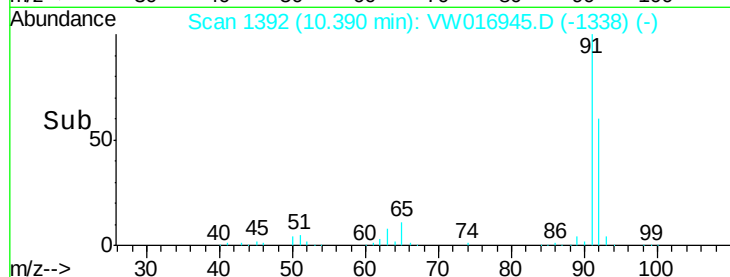
300000

200000

100000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 26.818 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.01 min

Lab File: VW016945.D

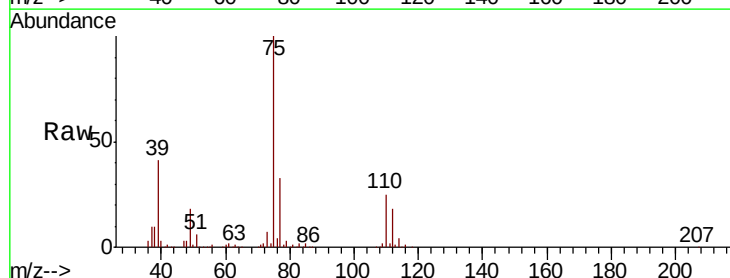
Acq: 20 Oct 2020 09:26

Tgt Ion: 75 Resp: 199484

Ion Ratio Lower Upper

75 100

77 32.7 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.60

120000

100000

80000

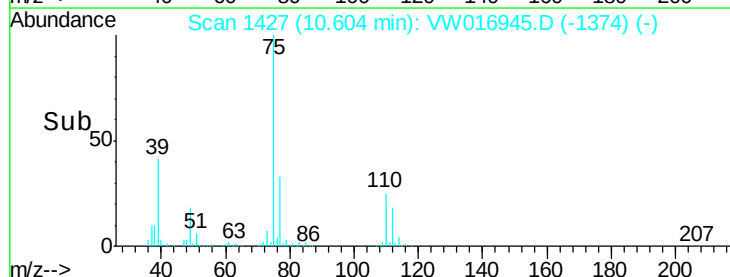
60000

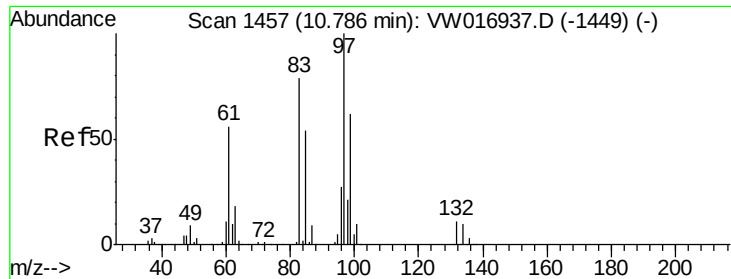
40000

20000

0

Time-->





#46

1,1,2-Trichloroethane

Concen: 26.446 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW016945.D

Acq: 20 Oct 2020 09:26

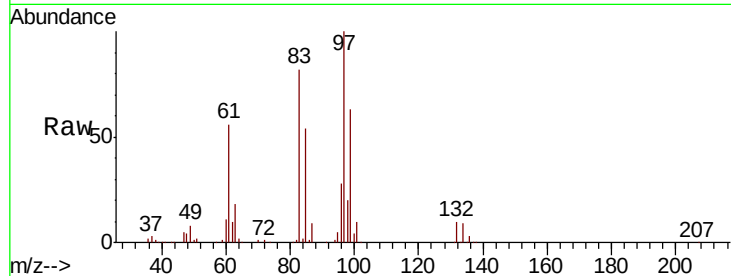
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 119191

Ion	Ratio	Lower	Upper
97	100		
83	82.2	56.8	105.4
85	54.4	37.0	68.6
99	63.2	44.2	82.2



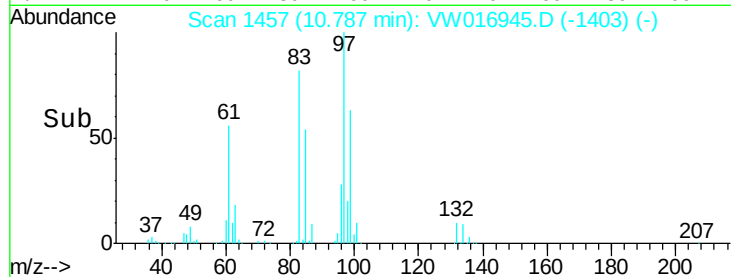
Abundance

Ion 97.00 (96.70 to 97.70): VW

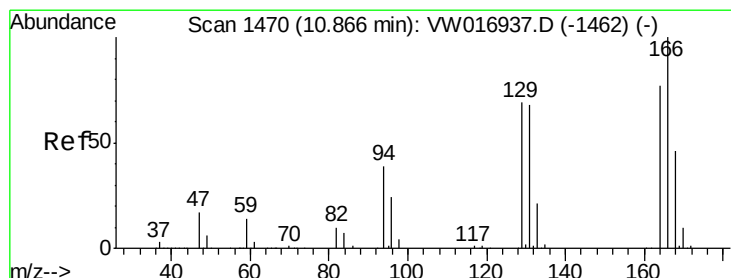
Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



Time-->



#47

Tetrachloroethene

Concen: 25.292 ug/L

RT: 10.87 min Scan# 1470

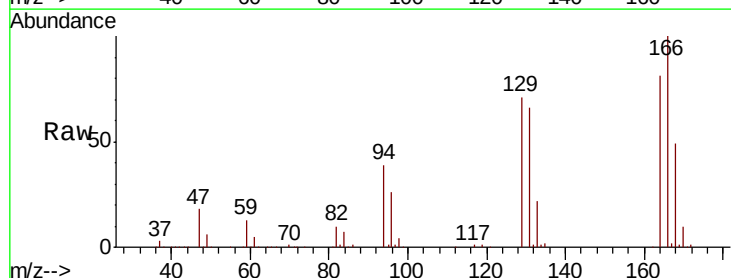
Delta R.T. 0.00 min

Lab File: VW016945.D

Acq: 20 Oct 2020 09:26

Tgt Ion: 164 Resp: 162623

Ion	Ratio	Lower	Upper
164	100		
129	87.9	61.7	114.7
131	81.7	59.7	110.9
166	123.6	88.3	164.1



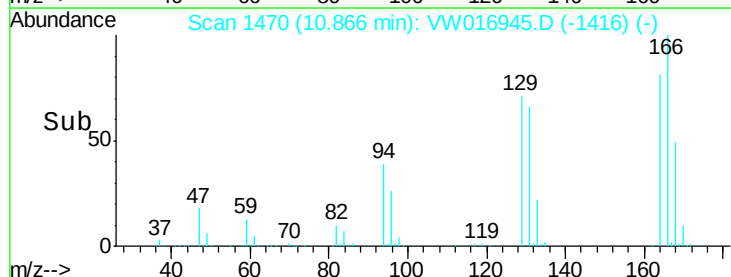
Abundance

Ion 164.00 (163.70 to 164.70): V

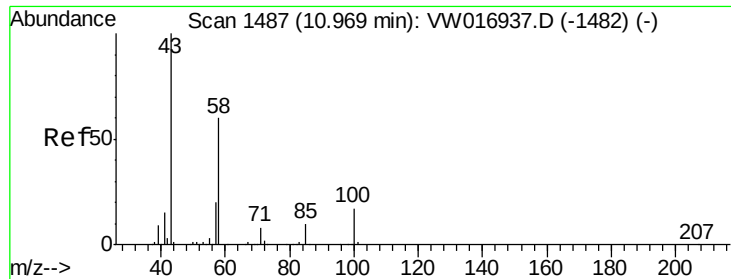
Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



Time-->



#49

2-Hexanone

Concen: 54.178 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW016945.D

Acq: 20 Oct 2020 09:26

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 99815

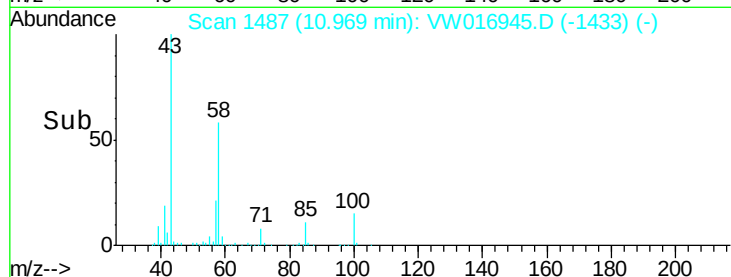
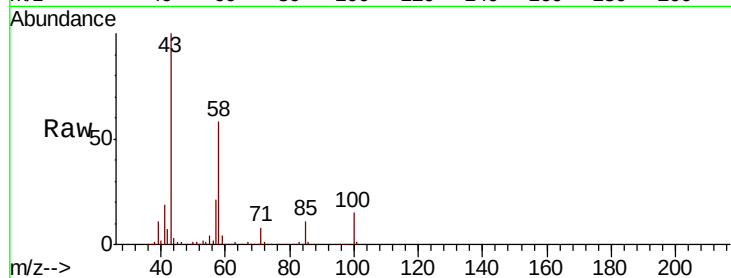
Ion Ratio Lower Upper

43 100

58 58.9 47.1 70.7

57 20.9 16.2 24.4

100 15.9 13.3 19.9

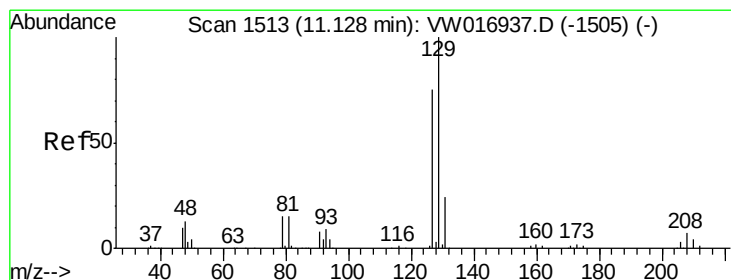
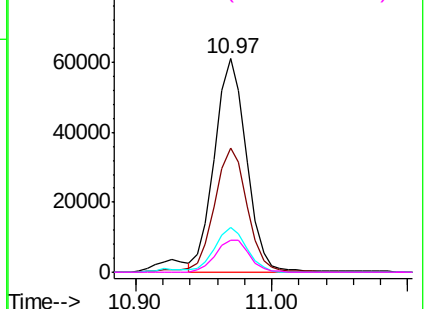


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 26.923 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW016945.D

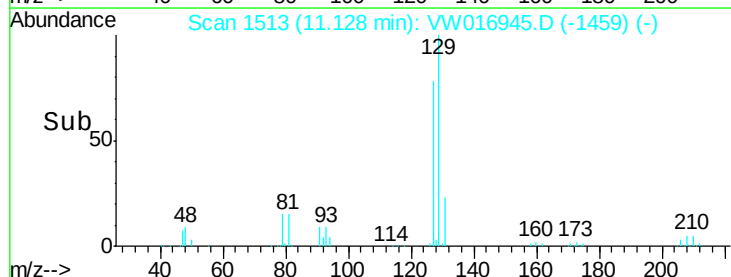
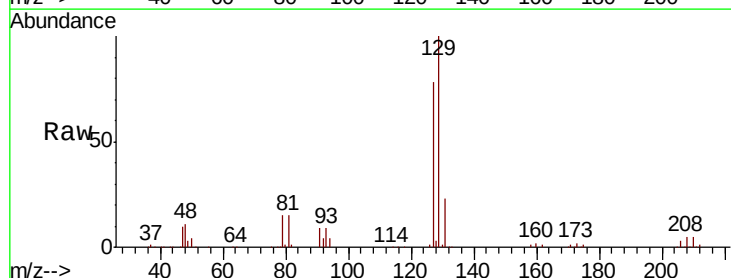
Acq: 20 Oct 2020 09:26

Tgt Ion:129 Resp: 150849

Ion Ratio Lower Upper

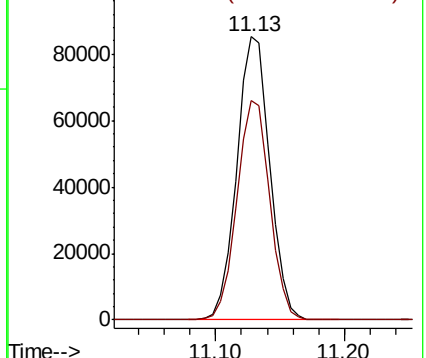
129 100

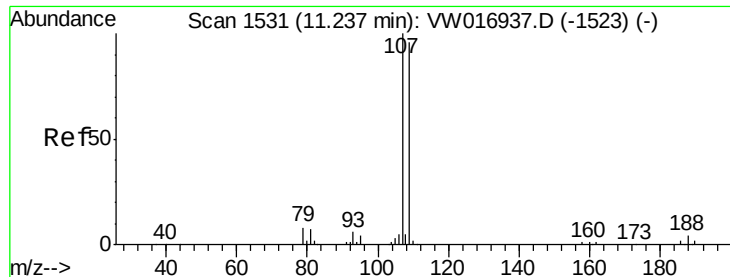
127 77.7 54.0 100.4



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

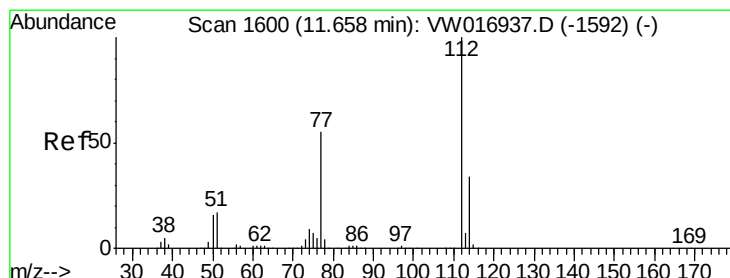
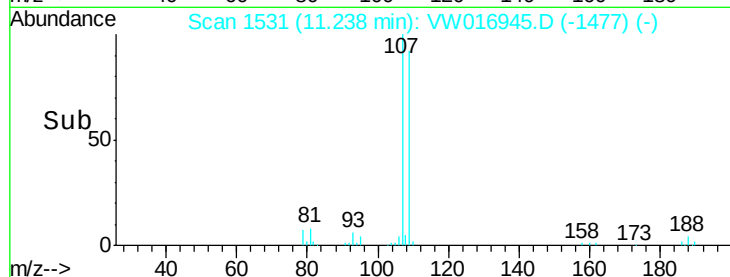
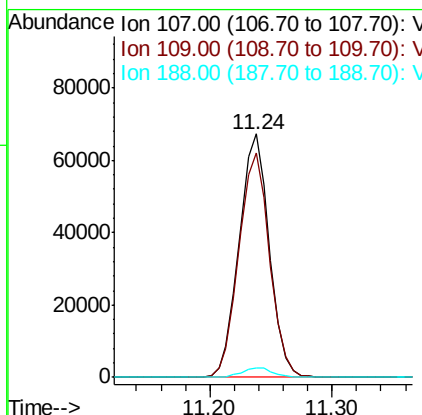
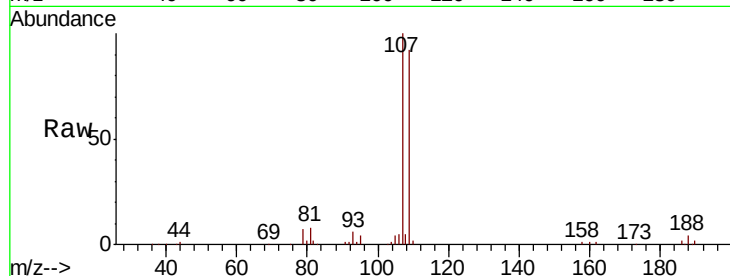




#51
1,2-Dibromoethane
Concen: 25.991 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW016945.D
Acq: 20 Oct 2020 09:26

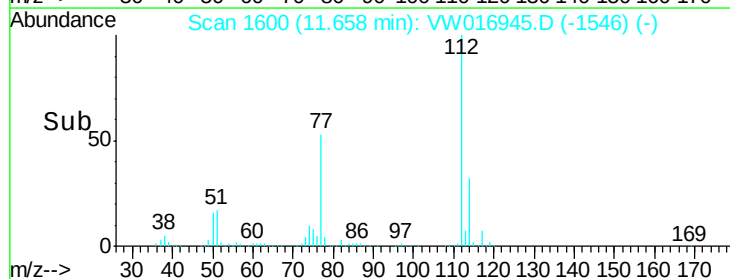
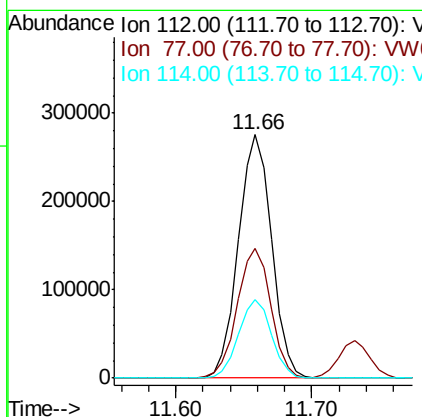
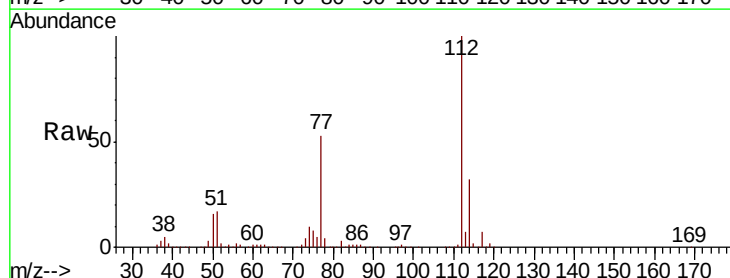
Instrument :
MSVOA_W
ClientSampleId :

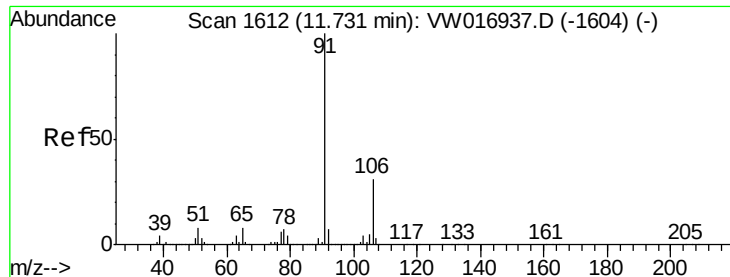
Tot Ion	Ratio	Lower	Upper
107	100		
109	92.2	68.4	127.0
188	3.8	3.4	5.0



#52
Chlorobenzene
Concen: 25.864 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW016945.D
Acq: 20 Oct 2020 09:26

Tgt Ion	Ratio	Lower	Upper
112	100		
77	53.3	44.0	66.0
114	32.3	22.3	41.3

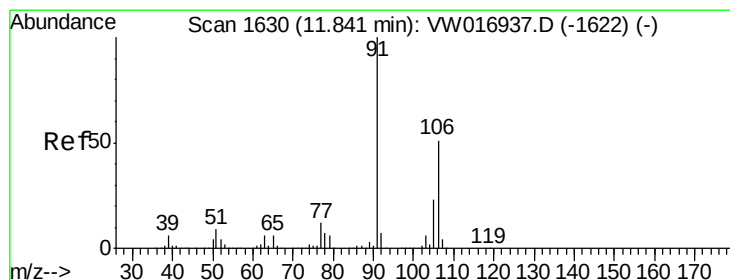
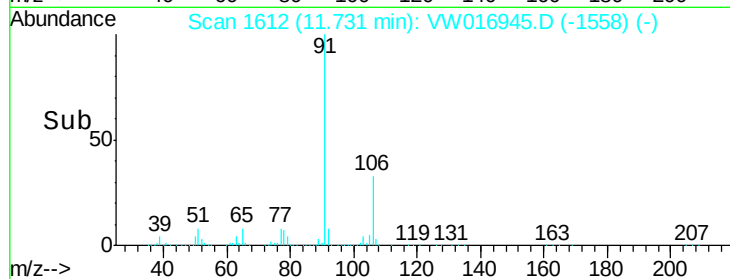
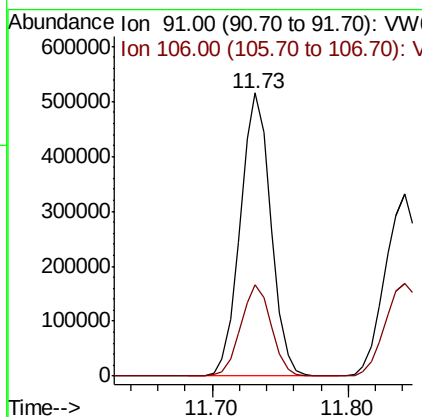
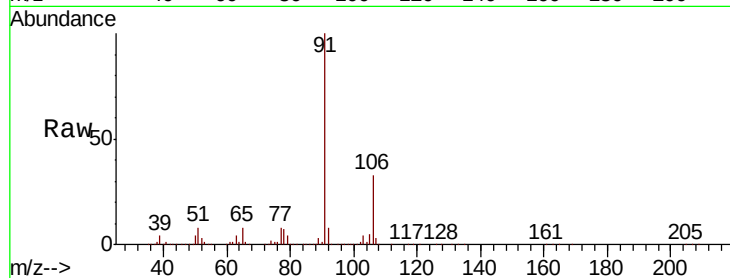




#53
Ethylbenzene
Concen: 26.470 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW016945.D
Acq: 20 Oct 2020 09:26

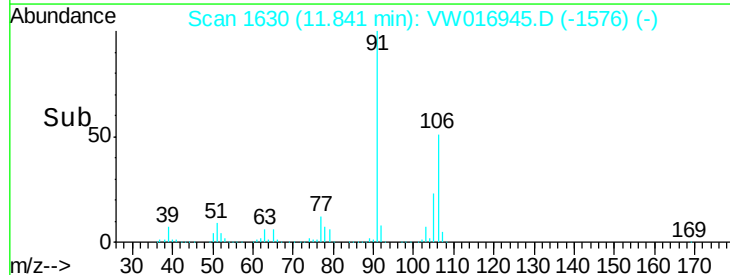
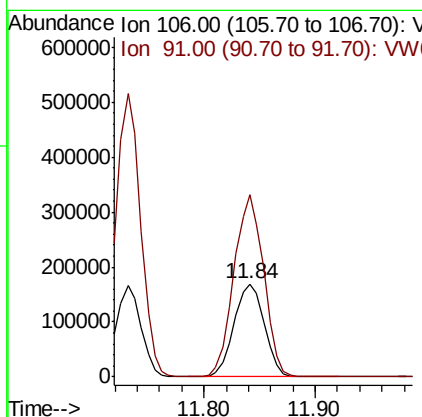
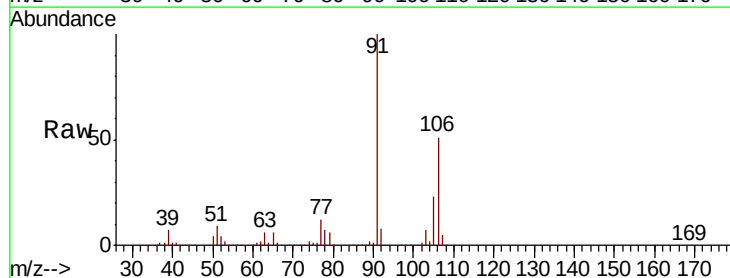
Instrument :
MSVOA_W
ClientSampled :

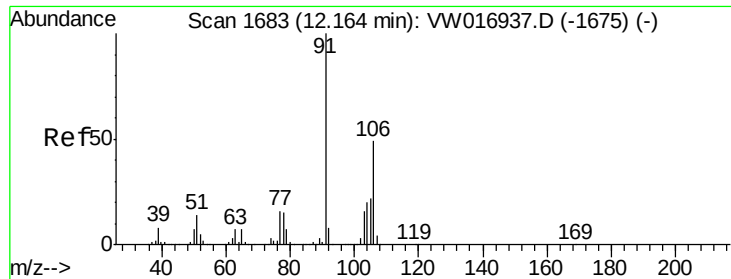
Tot Ion: 91 Resp: 807690
Ion Ratio Lower Upper
91 100
106 32.5 22.8 42.4



#54
m,p-Xylene
Concen: 26.980 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW016945.D
Acq: 20 Oct 2020 09:26

Tgt Ion: 106 Resp: 320179
Ion Ratio Lower Upper
106 100
91 194.9 135.6 251.8

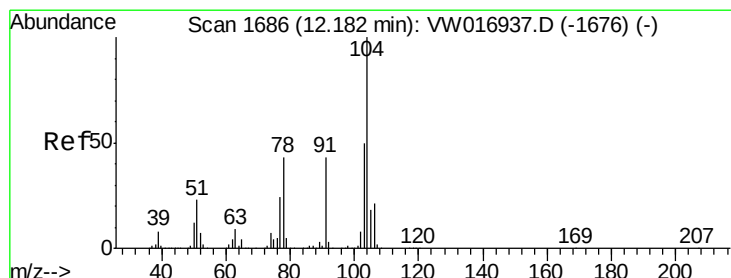
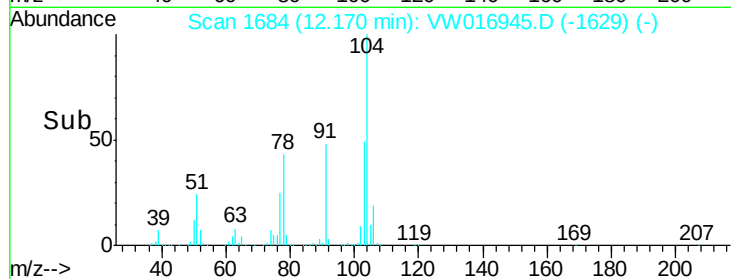
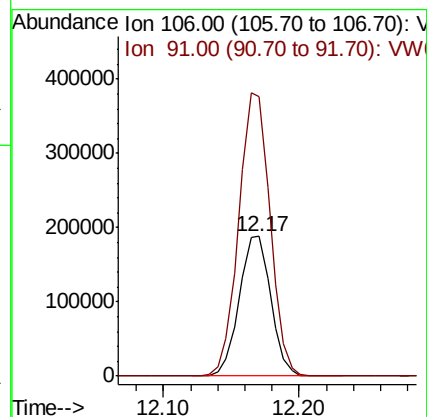
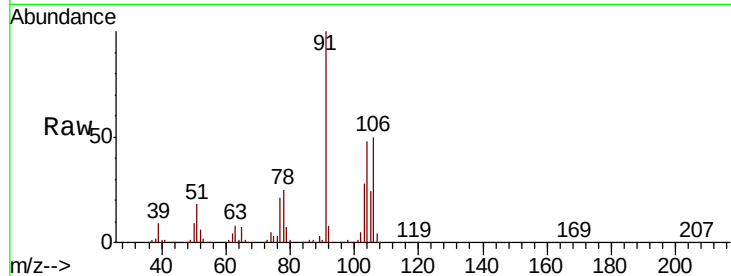




#55
o-xylene
Concen: 26.907 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW016945.D
Acq: 20 Oct 2020 09:26

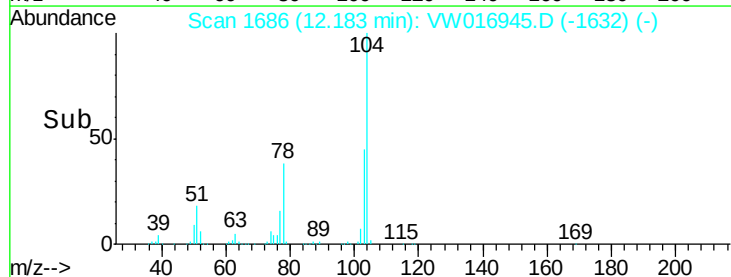
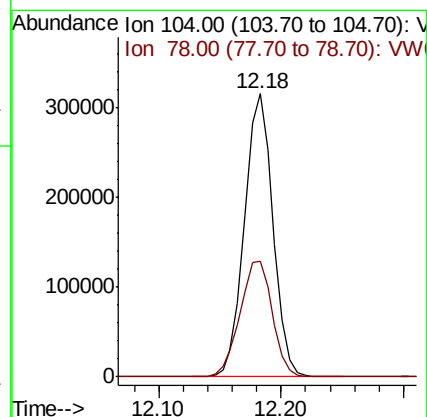
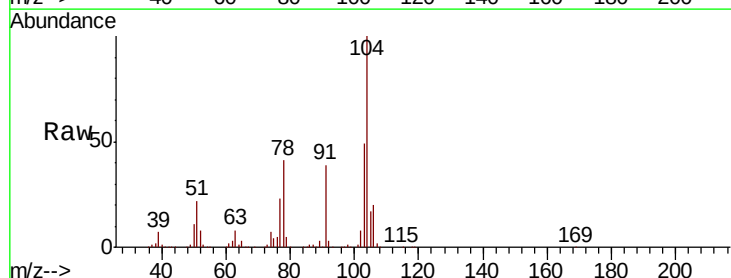
Instrument :
MSVOA_W
ClientSampled :

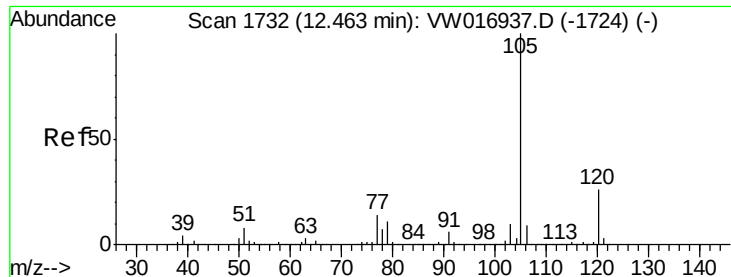
Tot Ion:106 Resp: 305079
Ion Ratio Lower Upper
106 100
91 199.5 142.6 264.8



#56
Styrene
Concen: 27.213 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW016945.D
Acq: 20 Oct 2020 09:26

Tgt Ion:104 Resp: 509160
Ion Ratio Lower Upper
104 100
78 40.9 30.7 57.1





#57

Isopropylbenzene

Concen: 26.705 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW016945.D

Acq: 20 Oct 2020 09:26

Instrument :

MSVOA_W

ClientSampleId :

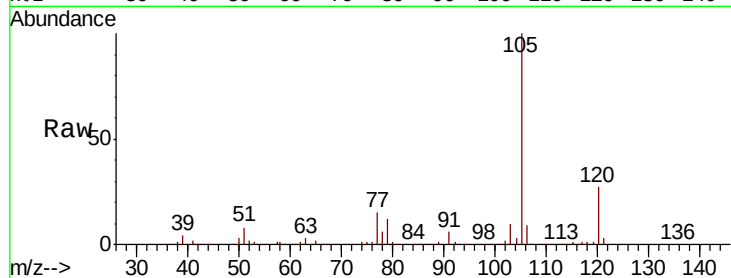
Tot Ion:105 Resp: 829143

Ion Ratio Lower Upper

105 100

120 27.0 21.5 32.3

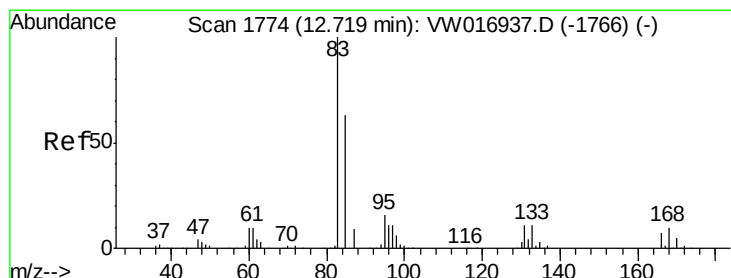
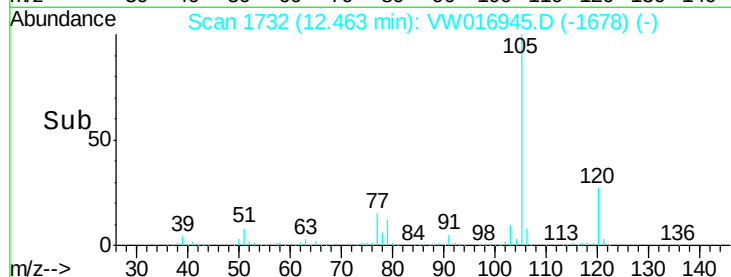
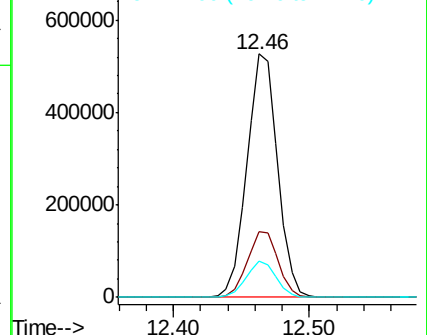
77 14.6 11.4 17.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 26.610 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW016945.D

Acq: 20 Oct 2020 09:26

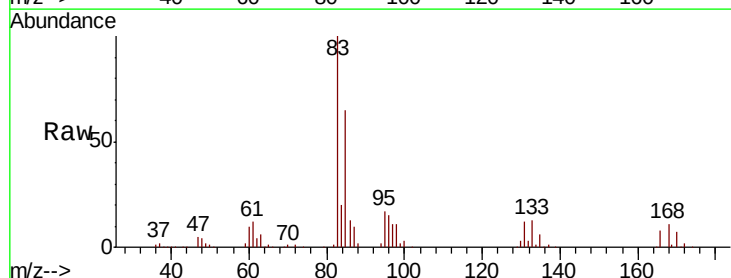
Tgt Ion: 83 Resp: 132544

Ion Ratio Lower Upper

83 100

85 64.8 43.3 80.5

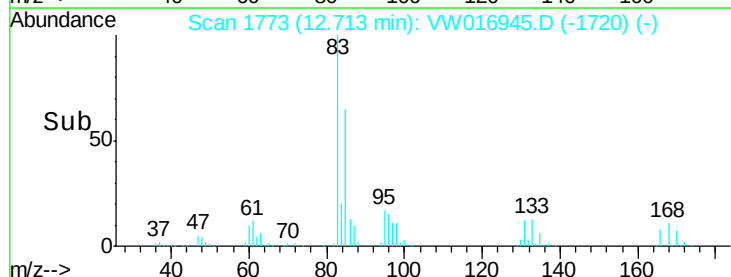
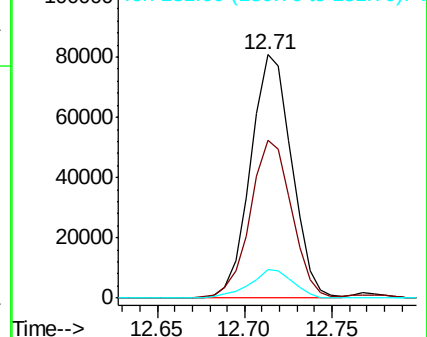
131 11.6 9.0 13.4

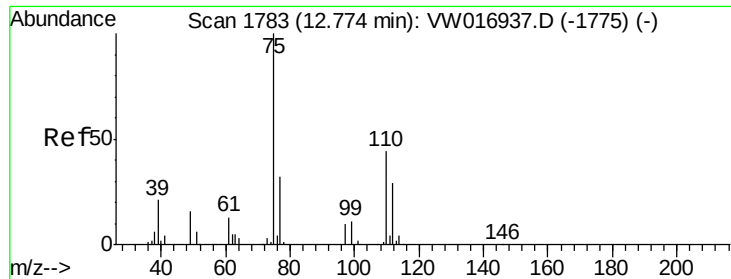


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

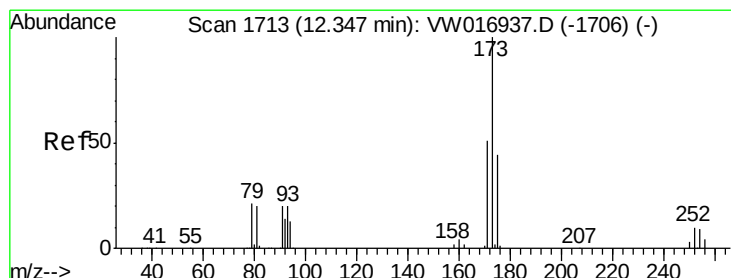
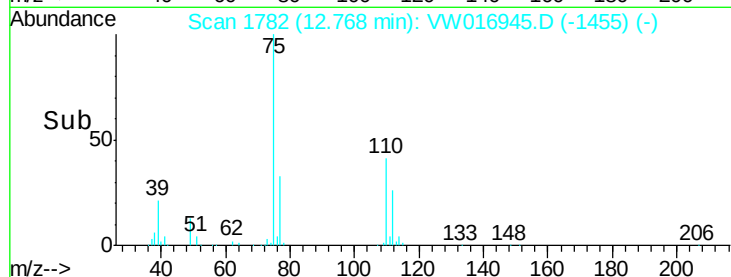
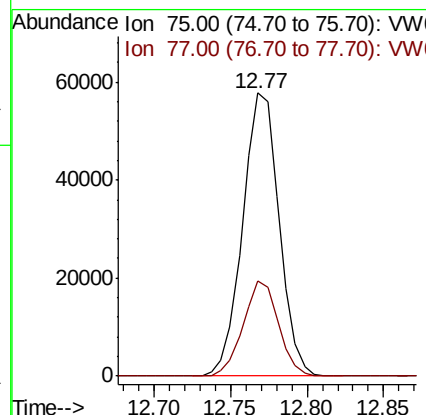
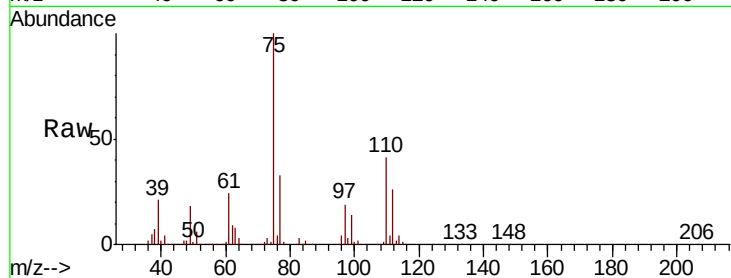




#59
 1,2,3-Trichloropropane
 Concen: 26.564 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.01 min
 Lab File: VW016945.D
 Acq: 20 Oct 2020 09:26

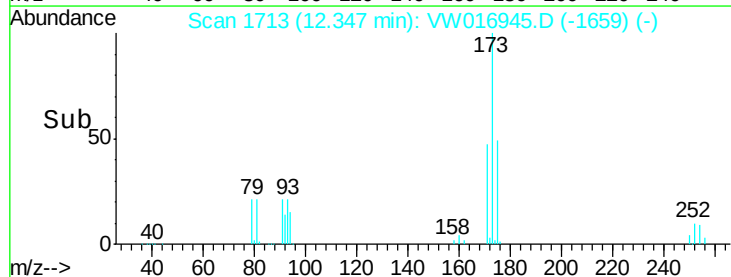
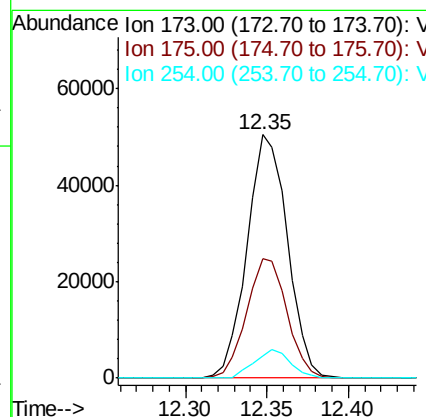
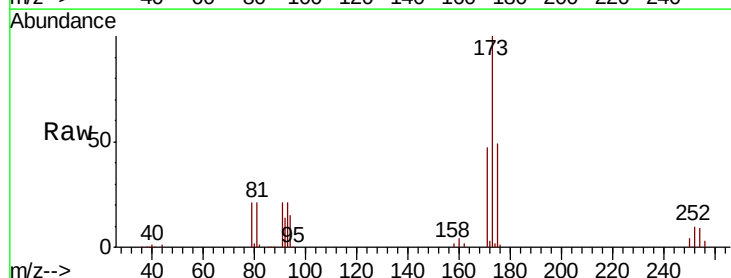
Instrument :
 MSVOA_W
 ClientSampleId :

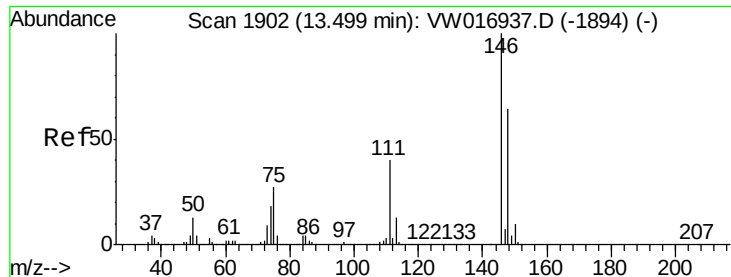
Tot Ion: 75 Resp: 95851
 Ion Ratio Lower Upper
 75 100
 77 32.4 26.2 39.2



#62
 Bromoform
 Concen: 26.084 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. 0.00 min
 Lab File: VW016945.D
 Acq: 20 Oct 2020 09:26

Tgt Ion: 173 Resp: 87287
 Ion Ratio Lower Upper
 173 100
 175 48.9 39.9 59.9
 254 10.3 8.7 13.1

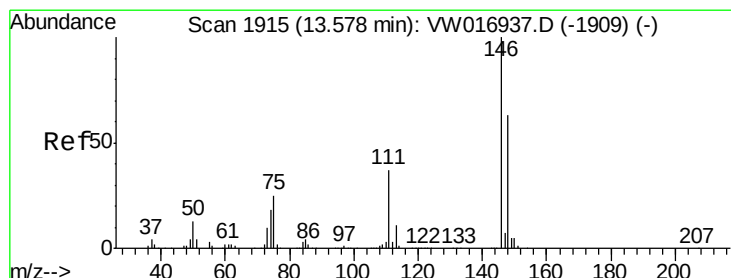
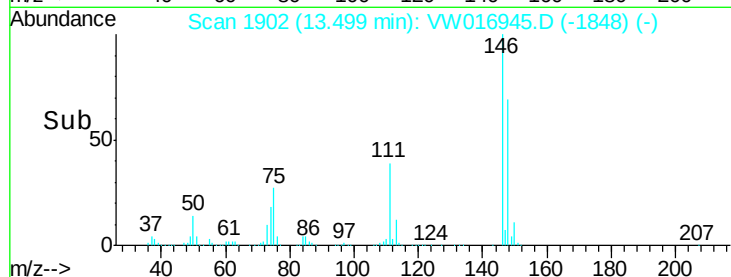
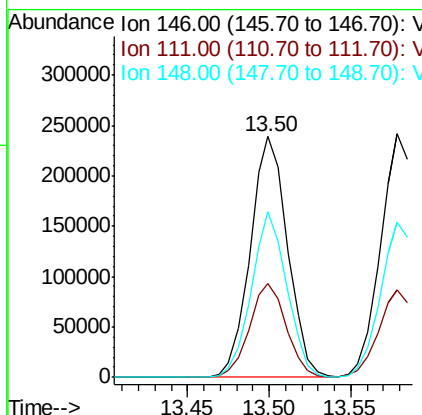
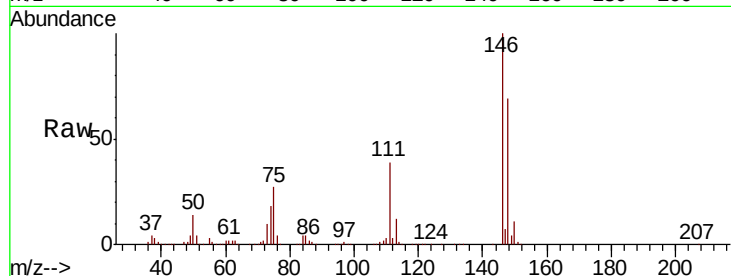




#63
 1,3-Dichlorobenzene
 Concen: 25.085 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW016945.D
 Acq: 20 Oct 2020 09:26

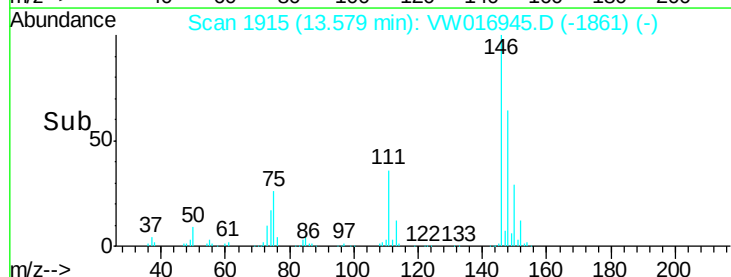
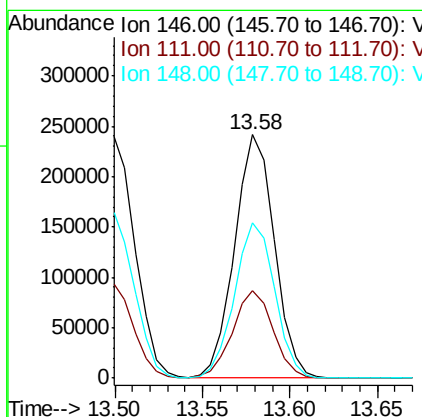
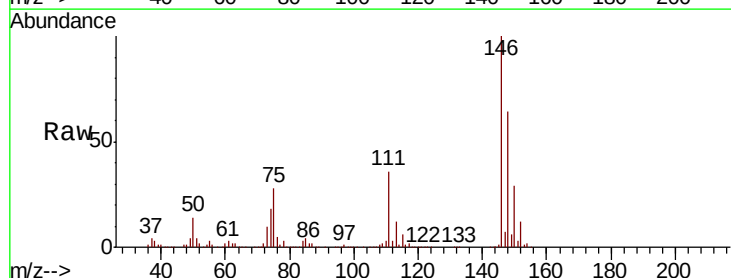
Instrument :
 MSVOA_W
 ClientSampleId :

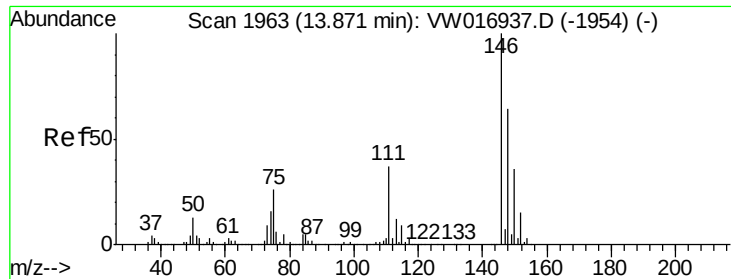
Tot Ion:146 Resp: 379762
 Ion Ratio Lower Upper
 146 100
 111 38.9 26.9 49.9
 148 68.7 45.7 84.9



#64
 1,4-Dichlorobenzene
 Concen: 25.301 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW016945.D
 Acq: 20 Oct 2020 09:26

Tgt Ion:146 Resp: 383069
 Ion Ratio Lower Upper
 146 100
 111 36.2 26.0 48.4
 148 63.6 43.9 81.5





#65

1,2-Dichlorobenzene

Concen: 25.036 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW016945.D

Acq: 20 Oct 2020 09:26

Instrument :

MSVOA_W

ClientSampleId :

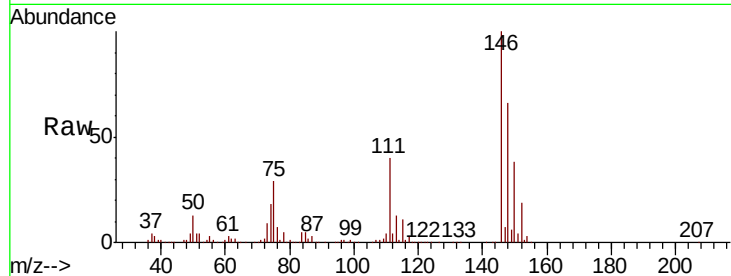
Tot Ion:146 Resp: 339368

Ion Ratio Lower Upper

146 100

111 39.6 32.1 48.1

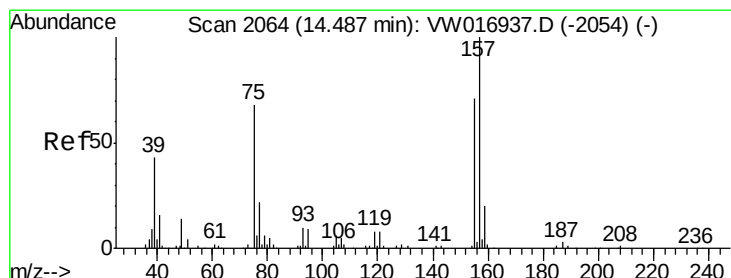
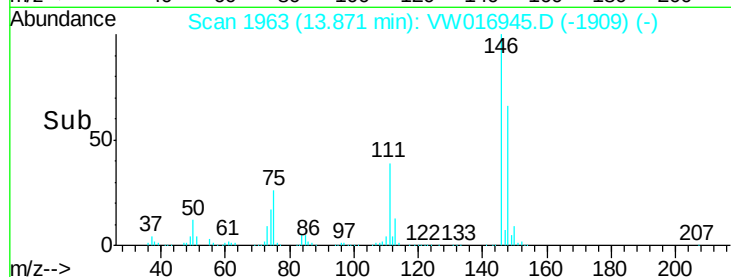
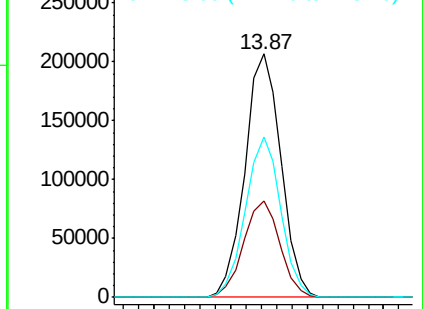
148 66.0 51.8 77.6



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: 24.442 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW016945.D

Acq: 20 Oct 2020 09:26

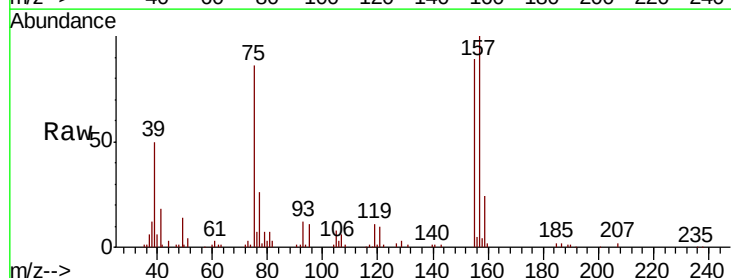
Tgt Ion: 75 Resp: 20097

Ion Ratio Lower Upper

75 100

157 116.3 100.5 150.7

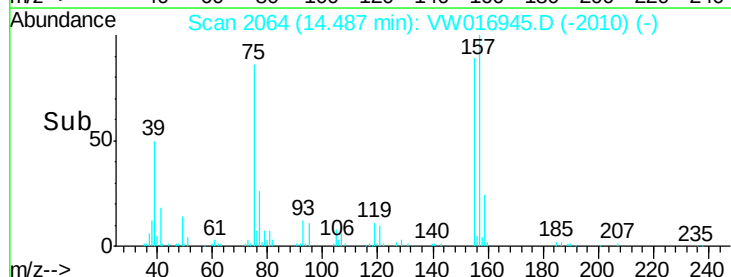
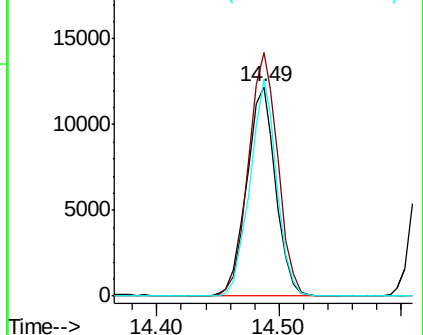
155 103.3 74.7 112.1

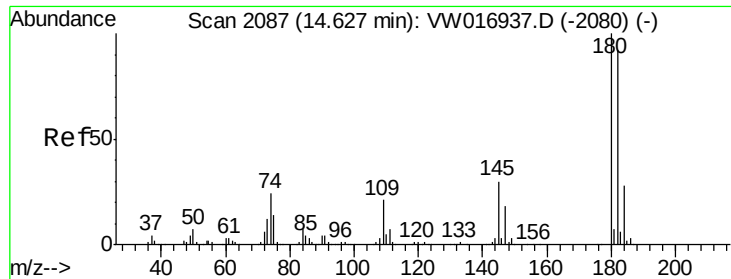


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

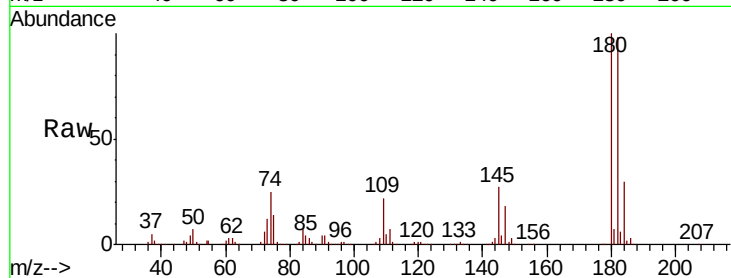




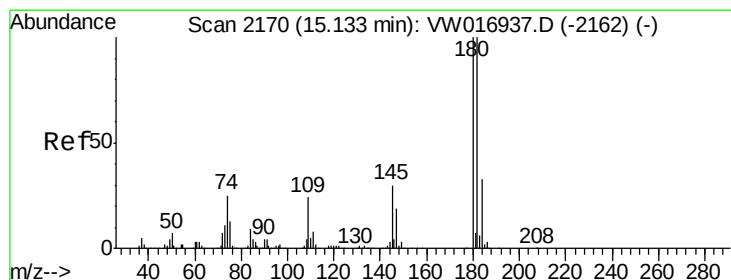
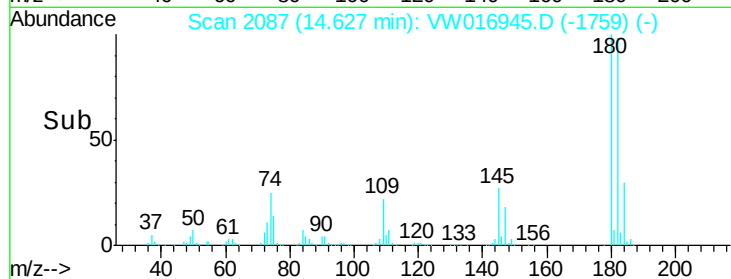
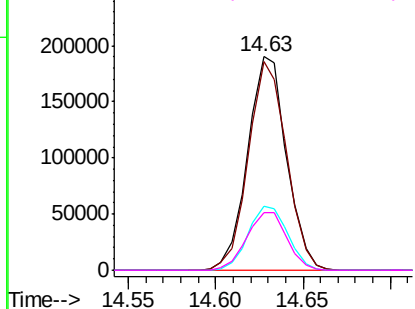
#67
 1,3,5-Trichlorobenzene
 Concen: 26.298 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW016945.D
 Acq: 20 Oct 2020 09:26

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:180	Resp:	295944
Ion	Ratio	Lower Upper
180	100	
182	96.0	79.0 118.6
184	30.6	24.9 37.3
145	28.0	23.0 34.4

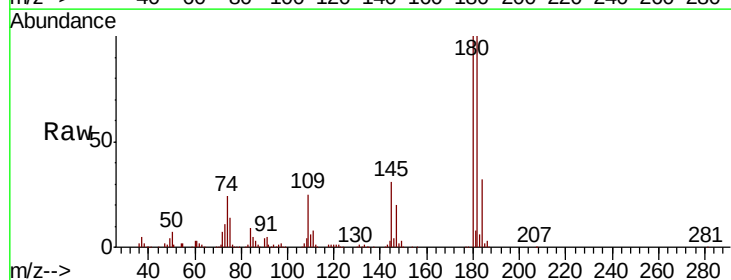


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

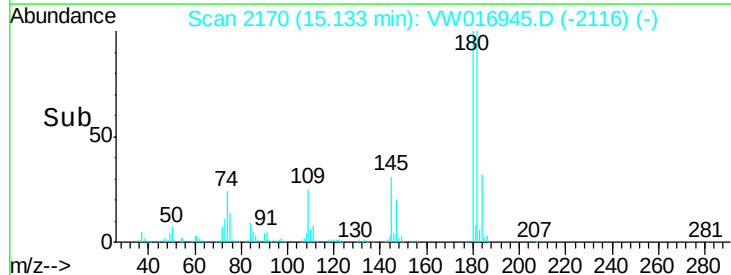
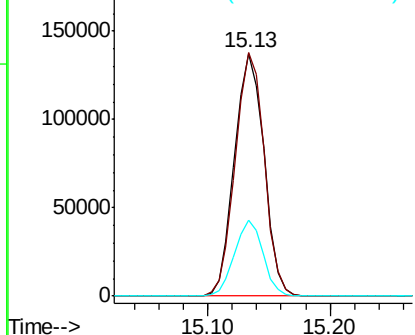


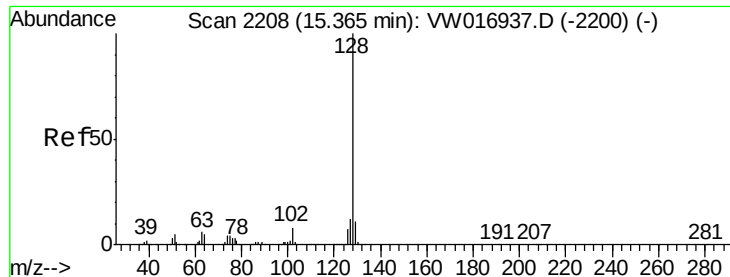
#68
 1,2,4-trichlorobenzene
 Concen: 24.829 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW016945.D
 Acq: 20 Oct 2020 09:26

Tgt Ion:180	Resp:	229499
Ion	Ratio	Lower Upper
180	100	
182	98.6	74.2 111.2
145	30.1	23.4 35.0



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: 25.207 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW016945.D

Acq: 20 Oct 2020 09:26

Instrument :

MSVOA_W

ClientSampled :

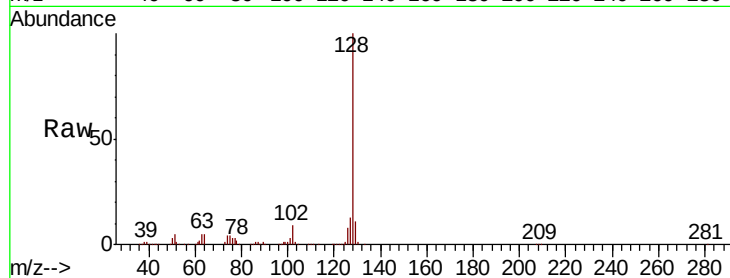
Tot Ion:128 Resp: 385808

Ion Ratio Lower Upper

128 100

129 11.0 8.7 13.1

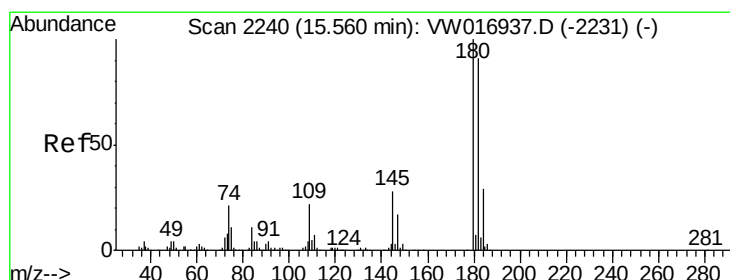
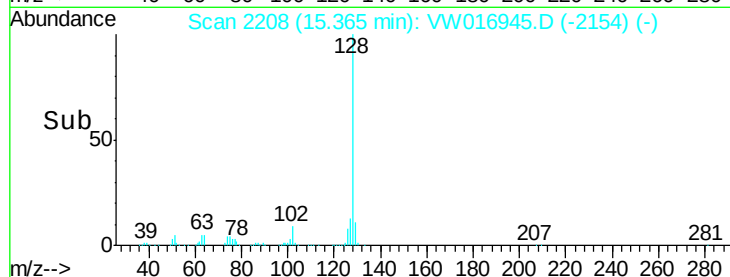
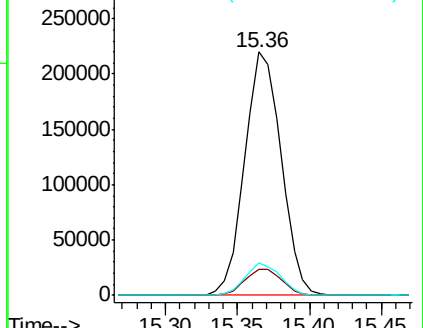
127 12.9 10.1 15.1



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: 25.556 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW016945.D

Acq: 20 Oct 2020 09:26

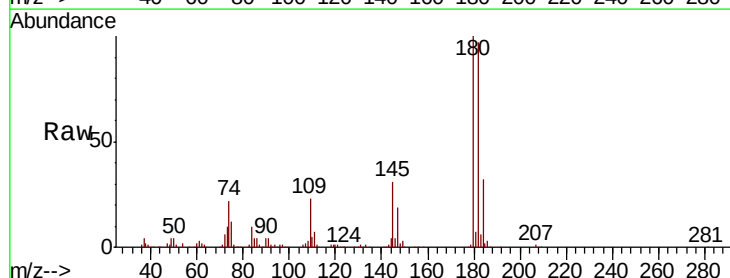
Tgt Ion:180 Resp: 202980

Ion Ratio Lower Upper

180 100

182 98.1 74.1 111.1

145 31.8 24.8 37.2



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

