

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090320\
 Data File : VW016455.D
 Acq On : 03 Sep 2020 18:54
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 04 05:38:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM090320S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 04 04:59:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	789620	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	728870	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	343343	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	199095	23.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.08%
7) Chloroethane-d5	2.90	69	185457	24.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.60%
10) 1,1-Dichloroethene-d2	4.03	63	434442	22.55	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.20%
20) 2-Butanone-d5	7.08	46	136203	45.52	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.04%
24) Chloroform-d	7.65	84	447201	24.18	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.72%
26) 1,2-Dichloroethane-d4	8.31	65	241112	23.84	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.36%
29) Benzene-d6	8.28	84	879884	23.75	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.00%
33) 1,2-Dichloropropane-d6	9.27	67	255556	23.48	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.92%
37) Toluene-d8	10.33	98	842433	23.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.68%
38) trans-1,3-Dichloropropene-	10.58	79	129059	23.50	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.00%
39) 2-Hexanone-d5	10.93	63	109188	49.08	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.16%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	225220	24.46	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.84%
61) 1,2-Dichlorobenzene-d4	13.86	152	304618	25.67	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.68%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.02	85	217134	24.579	ug/L 92
3) Chloromethane	2.22	50	197532	25.468	ug/L 100
5) Vinyl chloride	2.37	62	257175	26.033	ug/L 98
6) Bromomethane	2.79	94	195640	26.496	ug/L 100
8) Chloroethane	2.93	64	163107	26.839	ug/L 99
9) Trichlorofluoromethane	3.27	101	200263	24.753	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	238300	24.903	ug/L 98
12) 1,1-Dichloroethene	4.05	96	243011	24.975	ug/L 99
13) Acetone	4.12	43	89927	46.830	ug/L 98
14) Carbon disulfide	4.39	76	730750	24.575	ug/L 99
15) Methyl Acetate	4.67	43	113241	24.315	ug/L 100
16) Methylene chloride	4.92	84	259859	21.087	ug/L 96
17) Methyl tert-butyl Ether	5.43	73	375258	25.708	ug/L 97
18) trans-1,2-Dichloroethene	5.43	96	255474	24.718	ug/L 96
19) 1,1-Dichloroethane	6.22	63	430164	24.454	ug/L 98
21) 2-Butanone	7.17	43	148132	45.961	ug/L 96
22) cis-1,2-Dichloroethene	7.17	96	275740	25.609	ug/L 98

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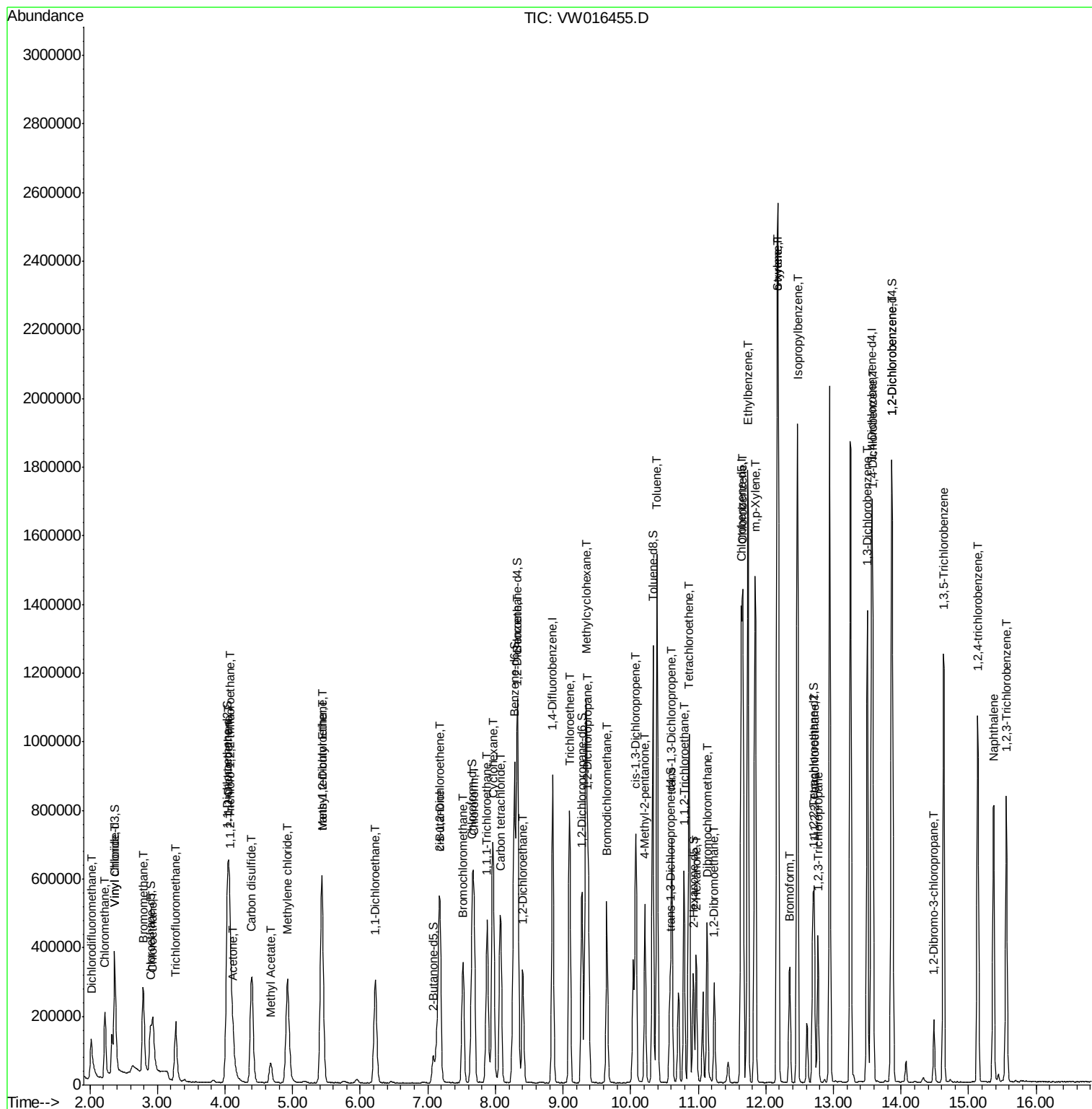
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	126108	25.267	ug/L	94
25) Chloroform	7.68	83	451554	24.801	ug/L	99
27) 1,2-Dichloroethane	8.40	62	298562	24.626	ug/L	97
30) Cyclohexane	7.96	56	404426	23.228	ug/L	96
31) 1,1,1-Trichloroethane	7.88	97	386105	24.464	ug/L	99
32) Carbon tetrachloride	8.07	117	373876	24.767	ug/L	99
34) Benzene	8.33	78	982103	24.644	ug/L	100
35) Trichloroethene	9.09	95	270203	24.470	ug/L	98
36) Methylcyclohexane	9.34	83	469654	24.309	ug/L	97
40) 1,2-Dichloropropane	9.37	63	235903	23.942	ug/L	99
41) Bromodichloromethane	9.65	83	342469	24.861	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	412644	24.679	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	330222	47.329	ug/L	98
44) Toluene	10.39	91	1112958	24.958	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	361922	24.215	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	196397	25.149	ug/L	96
47) Tetrachloroethene	10.87	164	221020	24.964	ug/L	93
49) 2-Hexanone	10.97	43	225907	46.492	ug/L	98
50) Dibromochloromethane	11.13	129	246108	24.923	ug/L	99
51) 1,2-Dibromoethane	11.24	107	196689	25.205	ug/L #	98
52) Chlorobenzene	11.66	112	719221	25.425	ug/L	99
53) Ethylbenzene	11.73	91	1248670	24.860	ug/L	97
54) m,p-Xylene	11.84	106	484344	25.230	ug/L	100
55) o-xylene	12.17	106	465400	25.451	ug/L	100
56) Styrene	12.18	104	793724	25.262	ug/L	98
57) Isopropylbenzene	12.47	105	1266189	25.277	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	233142	25.044	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	172044	24.727	ug/L	99
62) Bromoform	12.35	173	155561	27.001	ug/L	97
63) 1,3-Dichlorobenzene	13.50	146	563714	26.079	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	554038	25.849	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	513977	26.750	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	42767	23.904	ug/L	92
67) 1,3,5-Trichlorobenzene	14.63	180	395871	26.571	ug/L	97
68) 1,2,4-trichlorobenzene	15.13	180	334525	25.959	ug/L	96
69) Naphthalene	15.37	128	724420	26.635	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	279197	25.234	ug/L	95

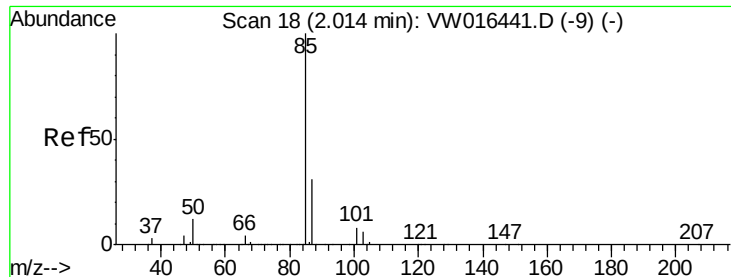
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 24.579 ug/L

RT: 2.02 min Scan# 19

Delta R.T. 0.01 min

Lab File: VW016455.D

Acq: 03 Sep 2020 18:54

Instrument :

MSVOA_W

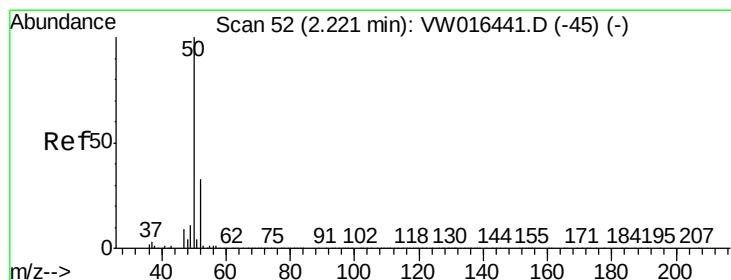
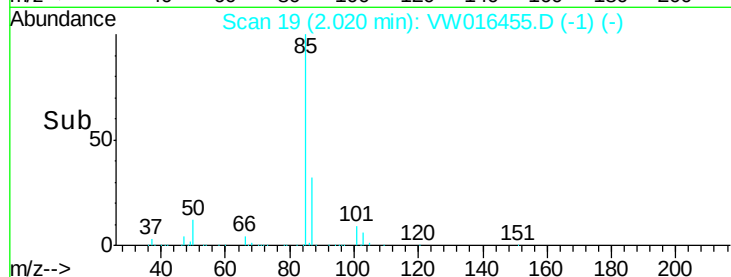
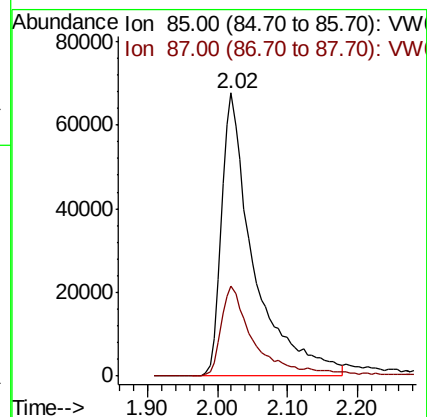
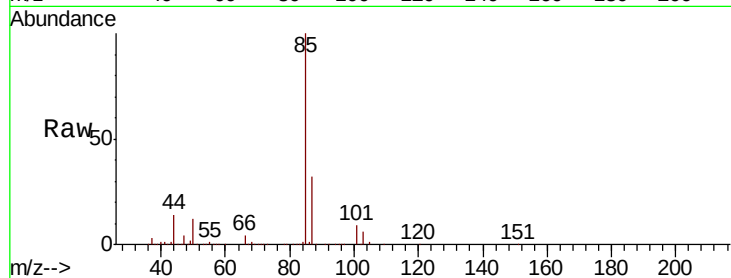
ClientSampleId :

Tot Ion: 85 Resp: 217134

Ion Ratio Lower Upper

85 100

87 27.5 22.3 41.5



#3

Chloromethane

Concen: 25.468 ug/L

RT: 2.22 min Scan# 52

Delta R.T. -0.00 min

Lab File: VW016455.D

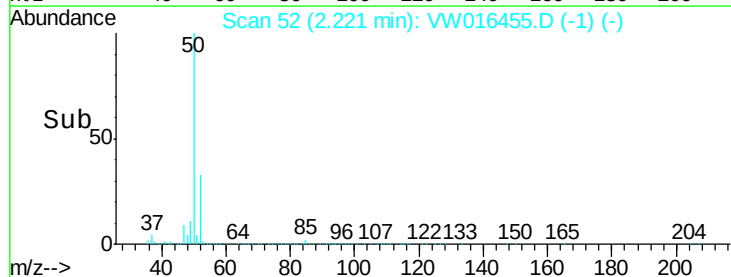
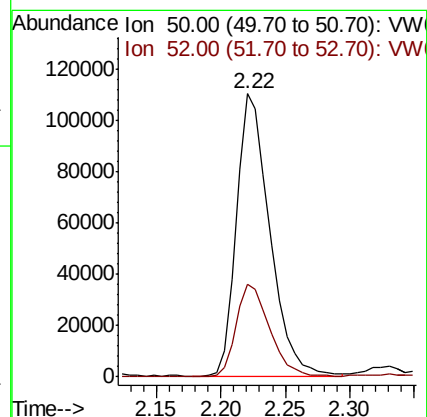
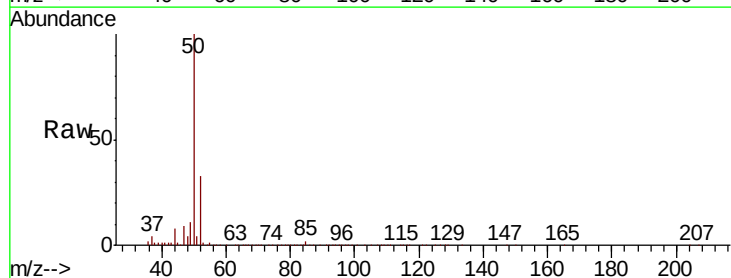
Acq: 03 Sep 2020 18:54

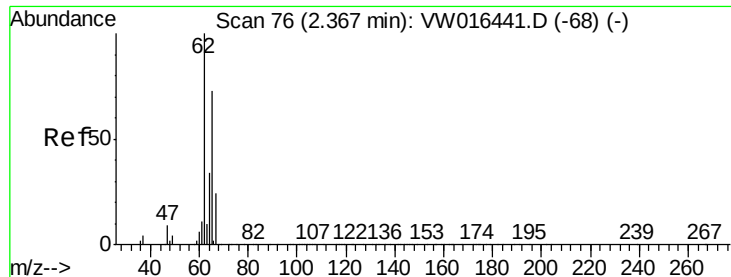
Tgt Ion: 50 Resp: 197532

Ion Ratio Lower Upper

50 100

52 32.8 23.0 42.6





#5

Vinyl chloride

Concen: 26.033 ug/L

RT: 2.37 min Scan# 77

Delta R.T. 0.01 min

Lab File: VW016455.D

Acq: 03 Sep 2020 18:54

Instrument :

MSVOA_W

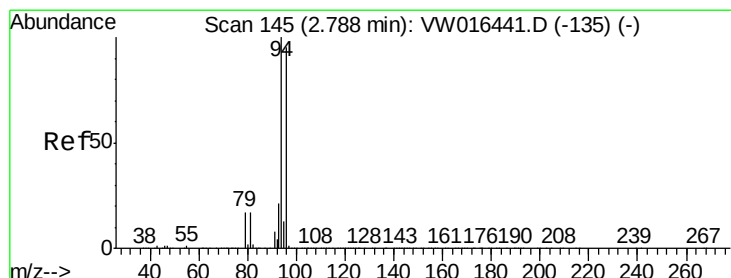
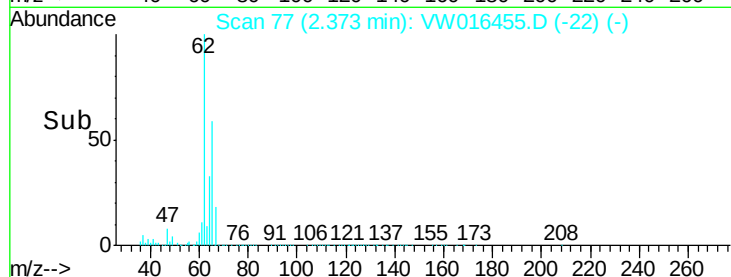
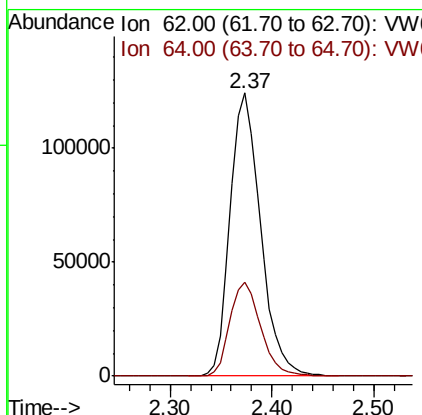
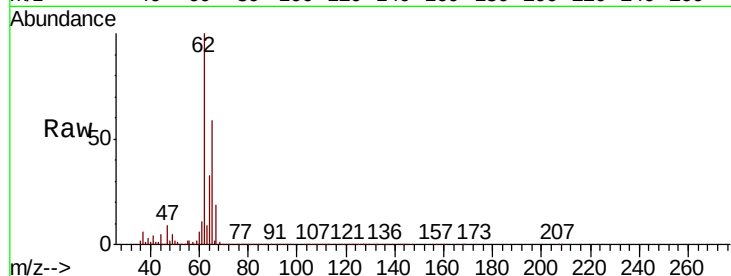
ClientSampled :

Tot Ion: 62 Resp: 257175

Ion Ratio Lower Upper

62 100

64 33.3 23.9 44.5



#6

Bromomethane

Concen: 26.496 ug/L

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW016455.D

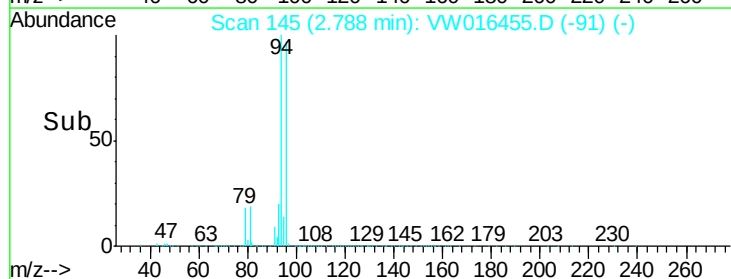
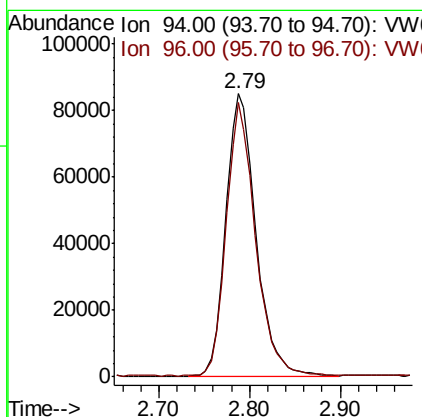
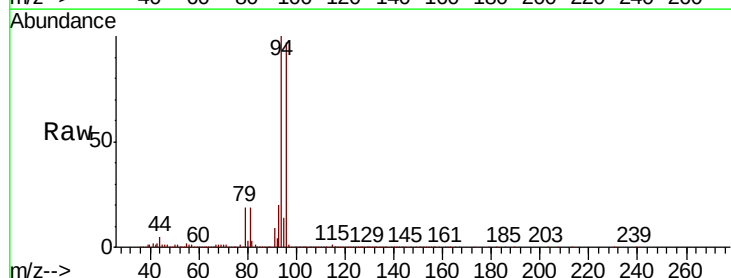
Acq: 03 Sep 2020 18:54

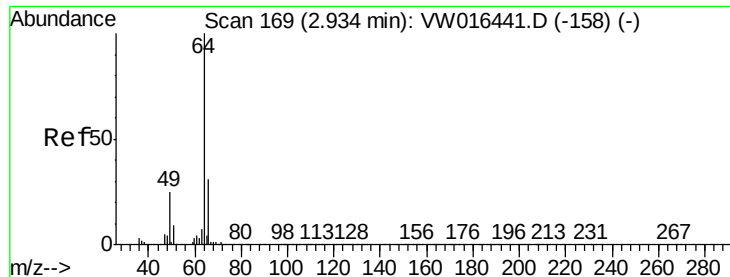
Tgt Ion: 94 Resp: 195640

Ion Ratio Lower Upper

94 100

96 93.4 9.4 178.2

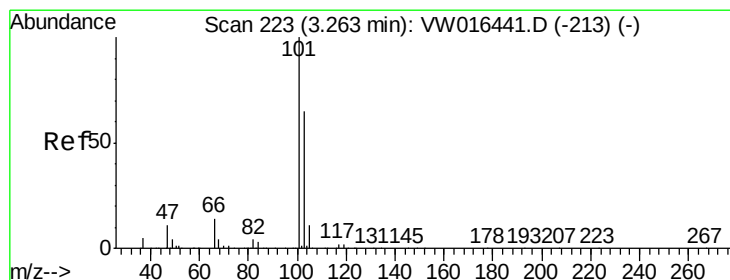
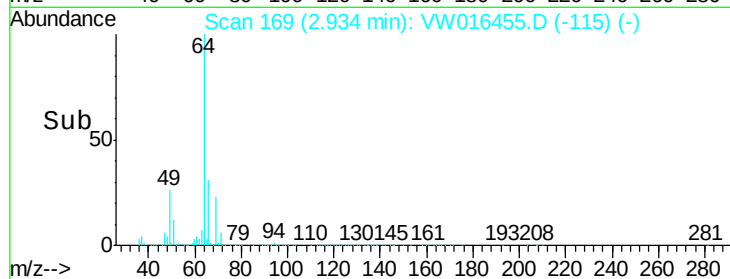
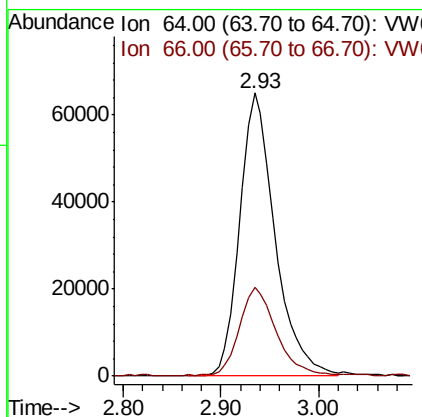
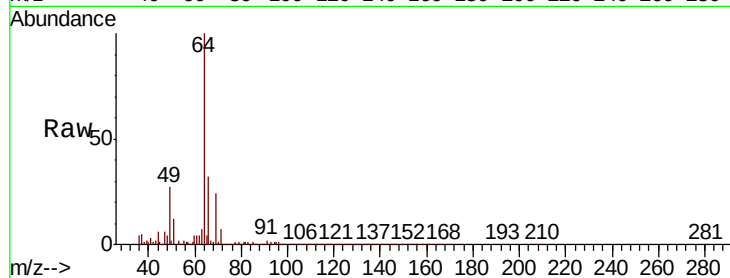




#8
Chloroethane
Concen: 26.839 ug/L
RT: 2.93 min Scan# 169
Delta R.T. -0.00 min
Lab File: VW016455.D
Acq: 03 Sep 2020 18:54

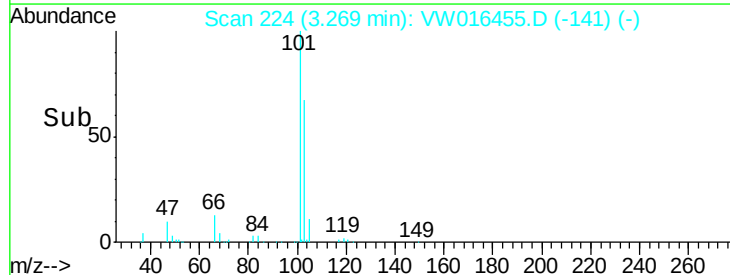
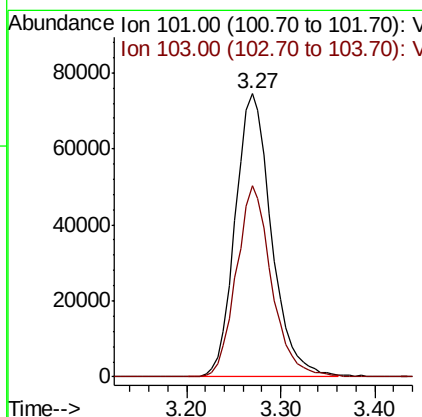
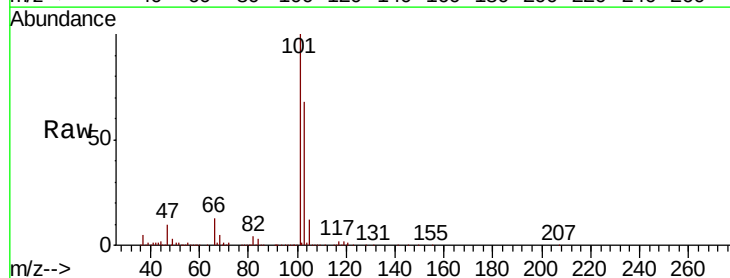
Instrument :
MSVOA_W
ClientSampleId :

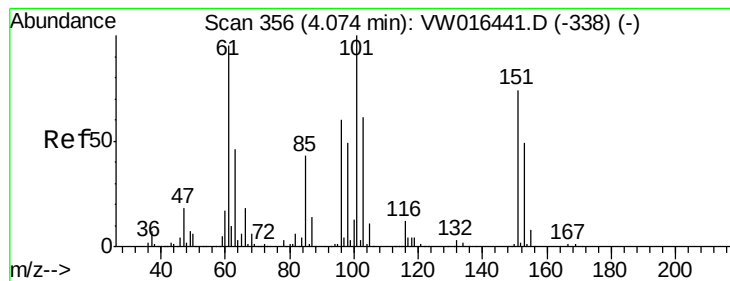
Tot Ion: 64 Resp: 163107
Ion Ratio Lower Upper
64 100
66 31.5 22.4 41.6



#9
Trichlorofluoromethane
Concen: 24.753 ug/L
RT: 3.27 min Scan# 224
Delta R.T. 0.01 min
Lab File: VW016455.D
Acq: 03 Sep 2020 18:54

Tgt Ion: 101 Resp: 200263
Ion Ratio Lower Upper
101 100
103 65.5 45.1 83.7





#11

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

Concen: 24.903 ug/L

RT: 4.07 min Scan# 356

Delta R.T. -0.00 min

Lab File: VW016455.D

Acq: 03 Sep 2020 18:54

Instrument :

MSVOA_W

ClientSampleId :

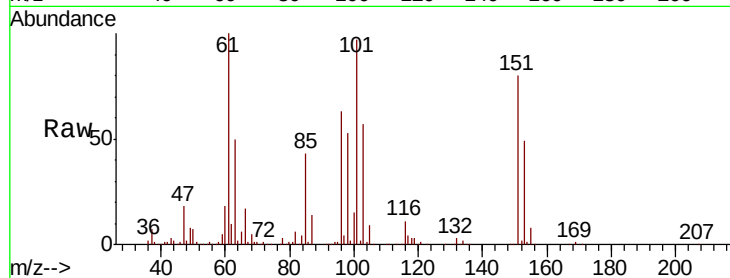
Tot Ion:101 Resp: 238300

Ion Ratio Lower Upper

101 100

85 44.5 33.4 50.0

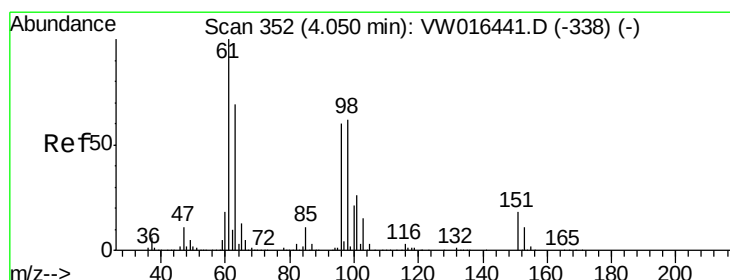
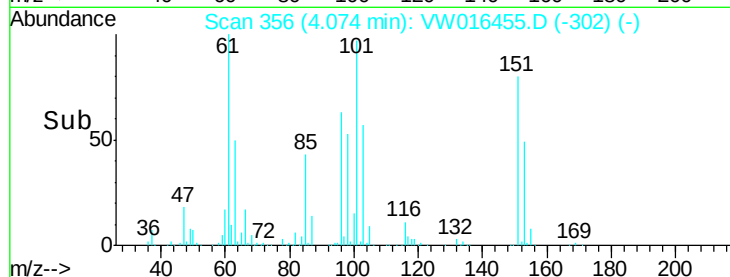
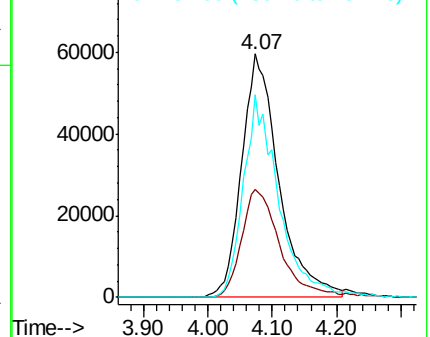
151 77.8 61.6 92.4



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: 24.975 ug/L

RT: 4.05 min Scan# 352

Delta R.T. -0.00 min

Lab File: VW016455.D

Acq: 03 Sep 2020 18:54

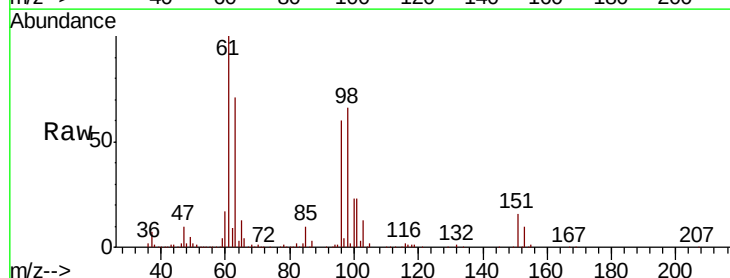
Tgt Ion: 96 Resp: 243011

Ion Ratio Lower Upper

96 100

61 165.7 116.5 216.3

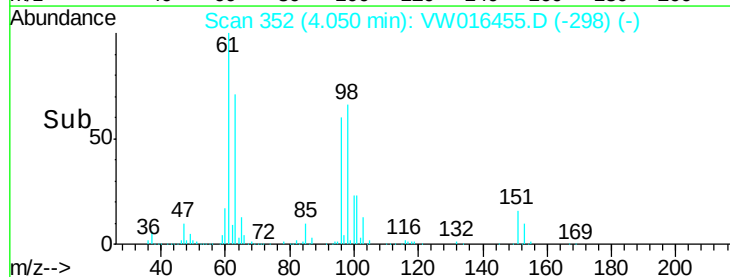
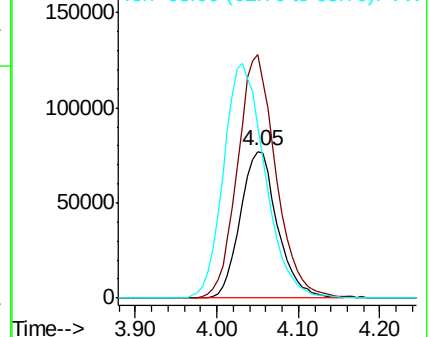
63 117.2 81.1 150.5

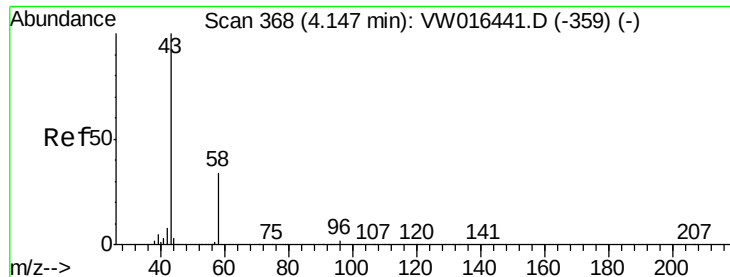


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 46.830 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.02 min

Lab File: VW016455.D

Acq: 03 Sep 2020 18:54

Instrument :

MSVOA_W

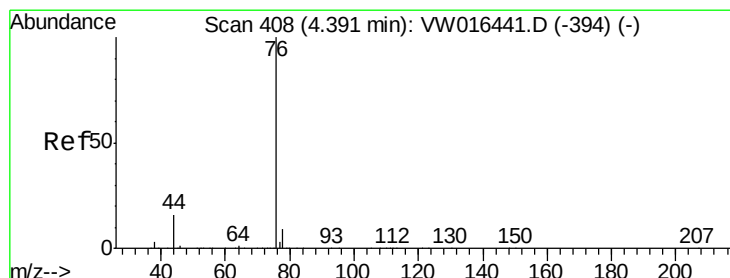
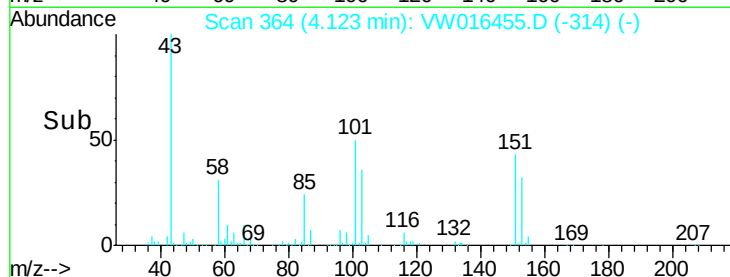
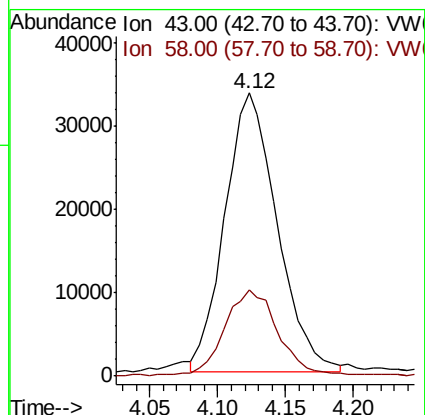
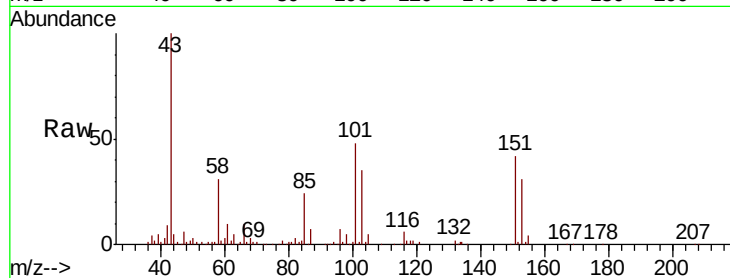
ClientSampleId :

Tot Ion: 43 Resp: 89927

Ion Ratio Lower Upper

43 100

58 30.4 0.0 63.0



#14

Carbon disulfide

Concen: 24.575 ug/L

RT: 4.39 min Scan# 408

Delta R.T. -0.00 min

Lab File: VW016455.D

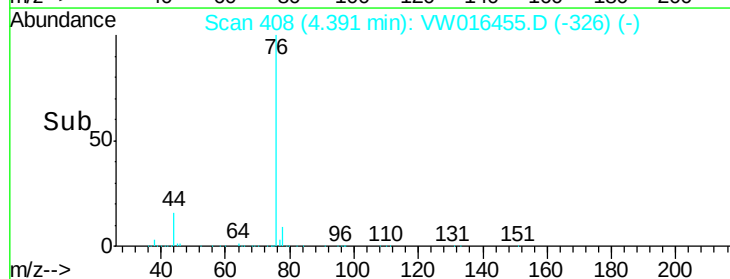
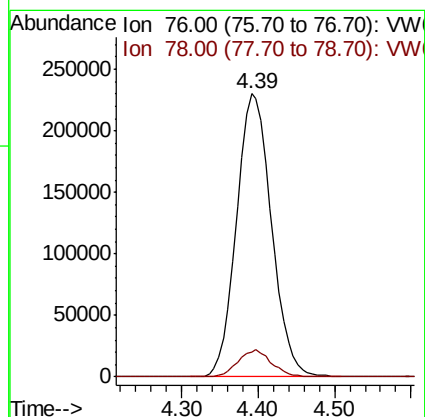
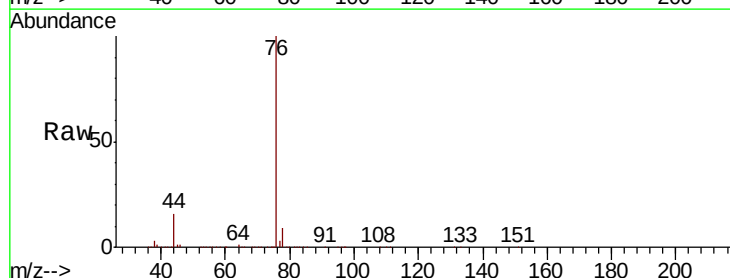
Acq: 03 Sep 2020 18:54

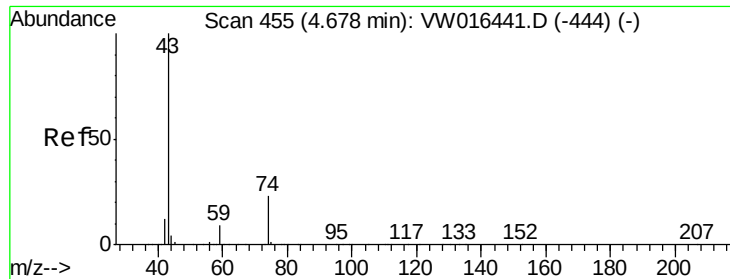
Tgt Ion: 76 Resp: 730750

Ion Ratio Lower Upper

76 100

78 8.6 7.3 10.9

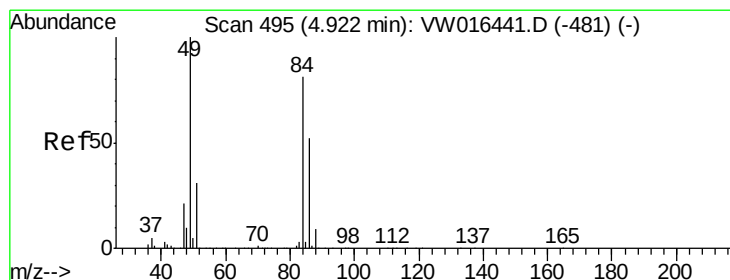
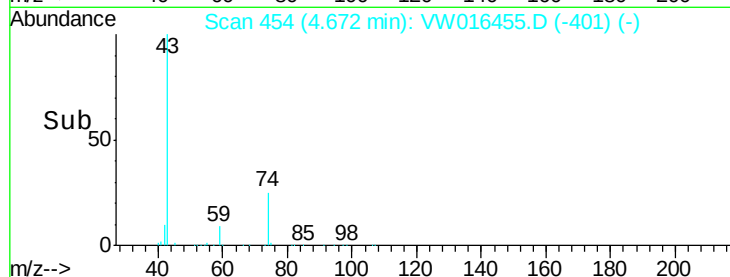
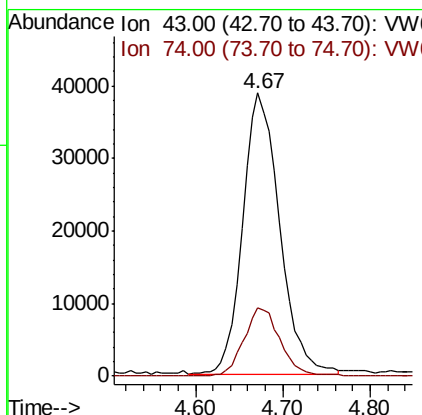
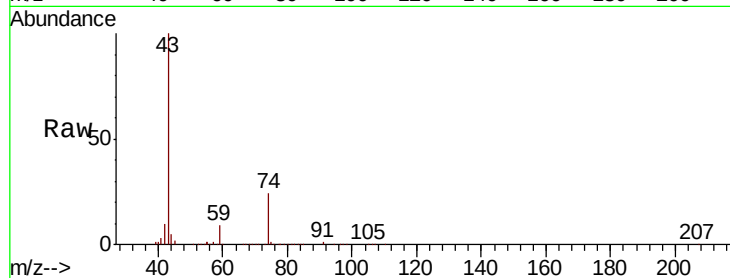




#15
Methvl Acetate
Concen: 24.315 ug/L
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW016455.D
Acq: 03 Sep 2020 18:54

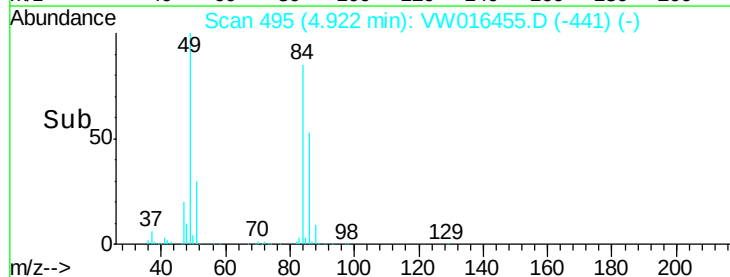
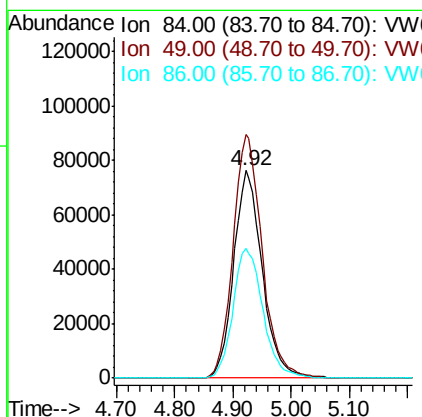
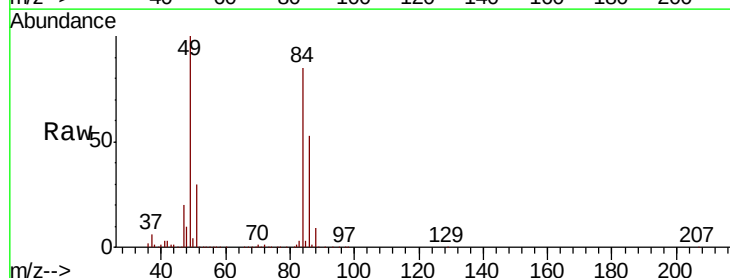
Instrument :
MSVOA_W
ClientSampleId :

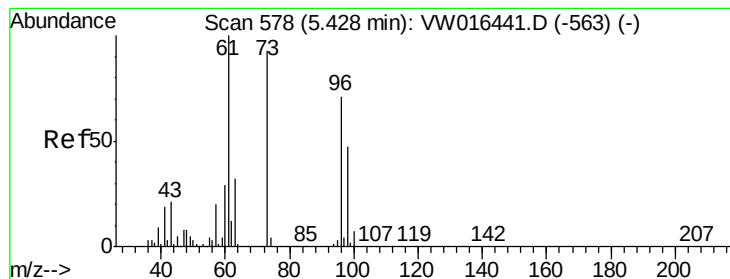
Tot Ion: 43 Resp: 113241
Ion Ratio Lower Upper
43 100
74 23.8 18.9 28.3



#16
Methylene chloride
Concen: 21.087 ug/L
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW016455.D
Acq: 03 Sep 2020 18:54

Tgt Ion: 84 Resp: 259859
Ion Ratio Lower Upper
84 100
49 117.5 86.7 160.9
86 62.7 44.9 83.5



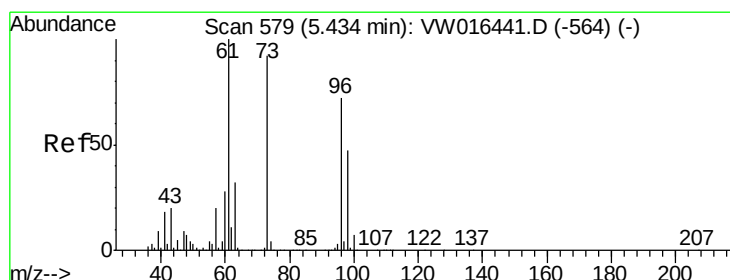
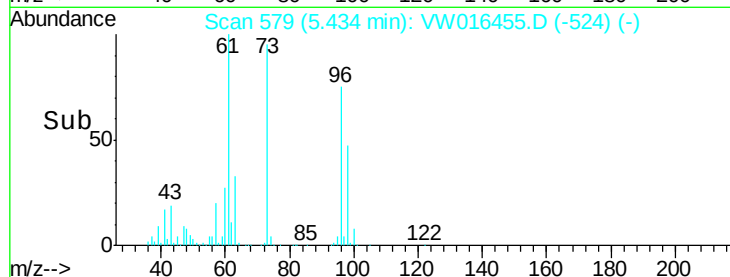
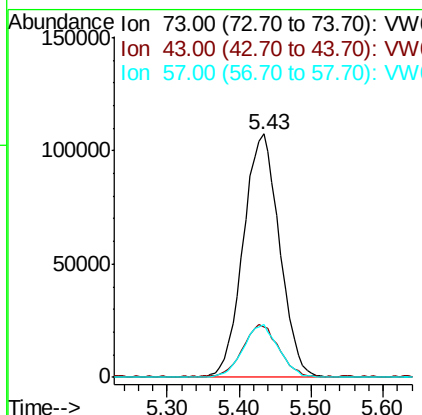
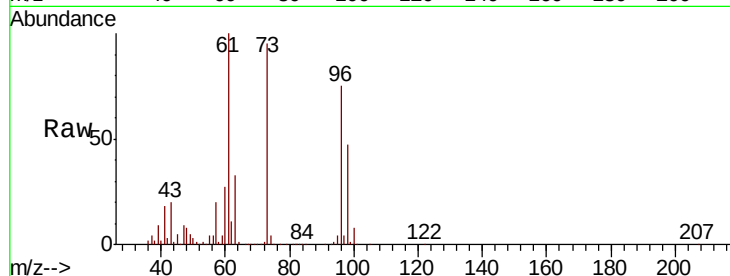


#17

Methvl tert-butvl Ether
 Concen: 25.708 ug/L
 RT: 5.43 min Scan# 579
 Delta R.T. 0.01 min
 Lab File: VW016455.D
 Acq: 03 Sep 2020 18:54

Instrument :
 MSVOA_W
 ClientSampleId :

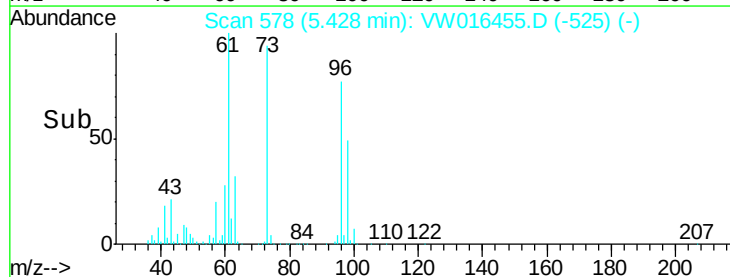
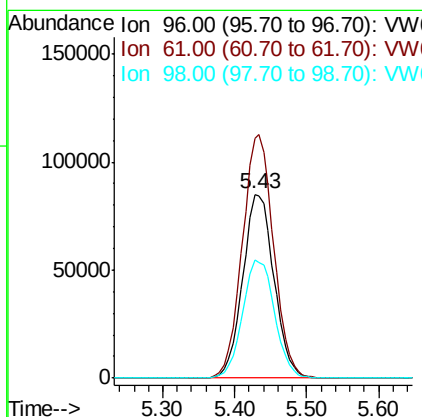
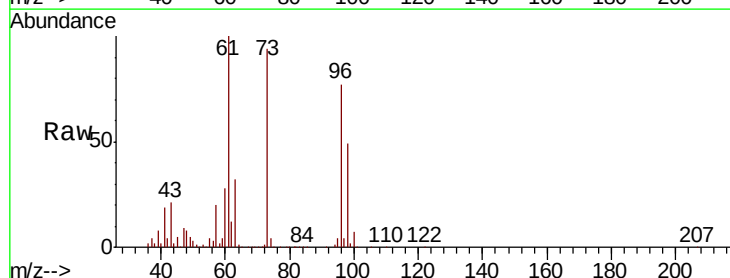
Tot Ion	Ratio	Lower	Upper
73	100		
43	20.9	17.9	26.9
57	20.8	17.4	26.0

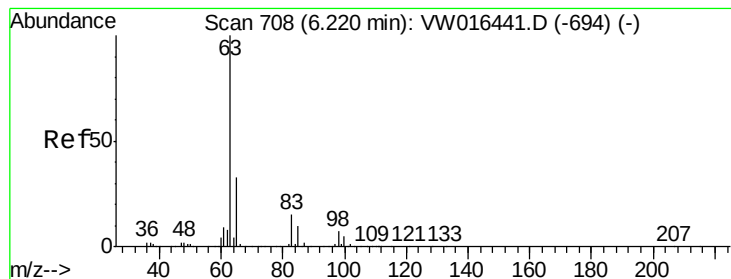


#18

trans-1,2-Dichloroethene
 Concen: 24.718 ug/L
 RT: 5.43 min Scan# 578
 Delta R.T. -0.01 min
 Lab File: VW016455.D
 Acq: 03 Sep 2020 18:54

Tgt Ion	Ratio	Lower	Upper
96	100		
61	130.7	96.4	179.0
98	64.5	45.1	83.7





#19

1,1-Dichloroethane

Concen: 24.454 ug/L

RT: 6.22 min Scan# 708

Delta R.T. -0.00 min

Lab File: VW016455.D

Acq: 03 Sep 2020 18:54

Instrument :

MSVOA_W

ClientSampleId :

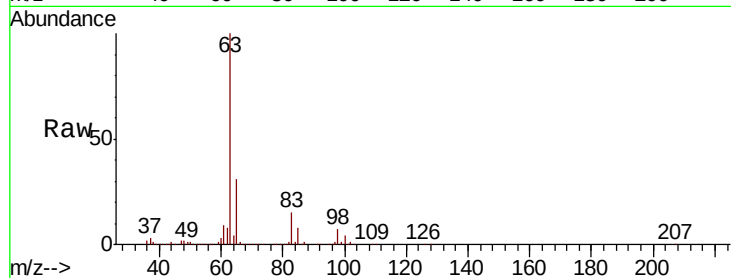
Tot Ion: 63 Resp: 430164

Ion Ratio Lower Upper

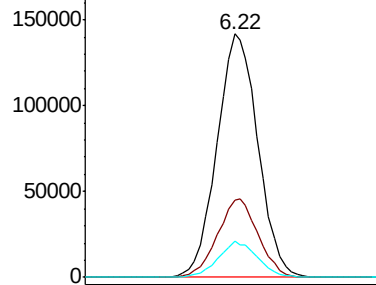
63 100

65 31.5 23.3 43.3

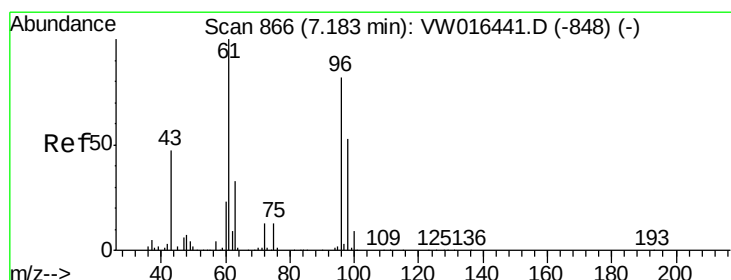
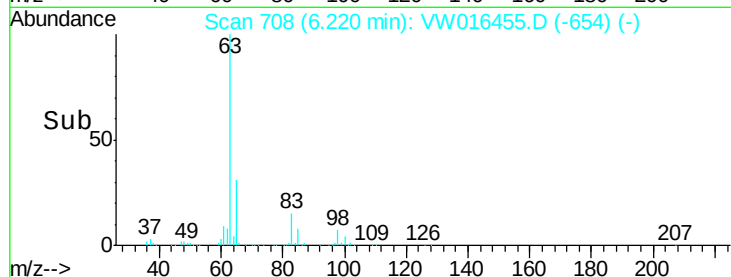
83 15.0 10.3 19.1



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



Time-->



#21

2-Butanone

Concen: 45.961 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW016455.D

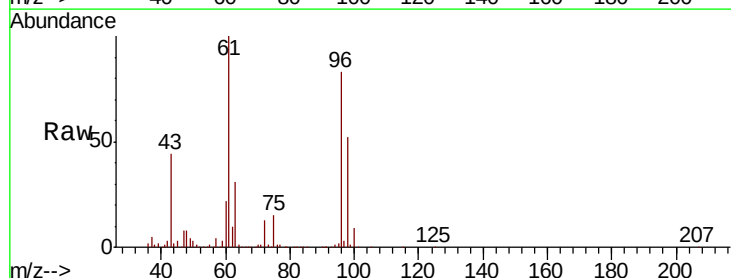
Acq: 03 Sep 2020 18:54

Tgt Ion: 43 Resp: 148132

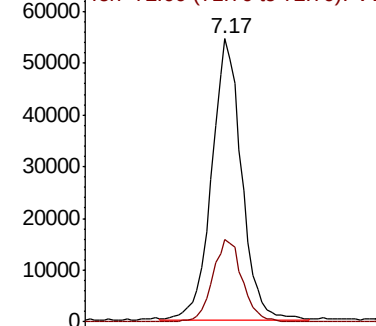
Ion Ratio Lower Upper

43 100

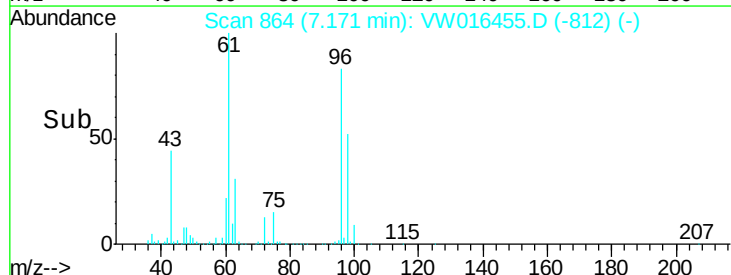
72 28.8 13.5 40.4

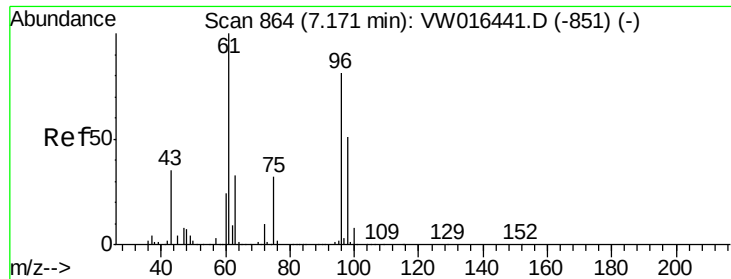


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW



Time-->



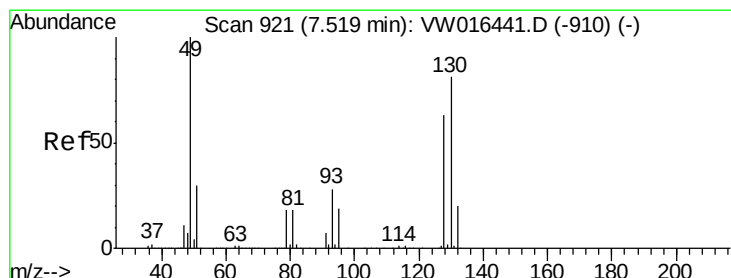
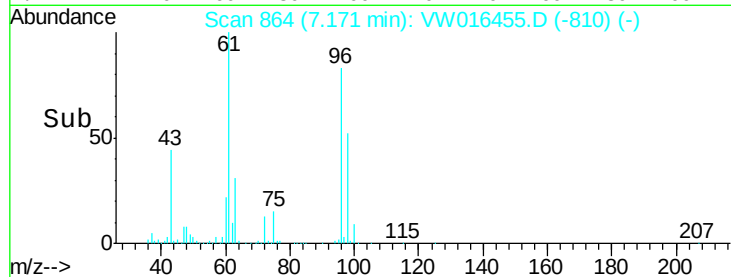
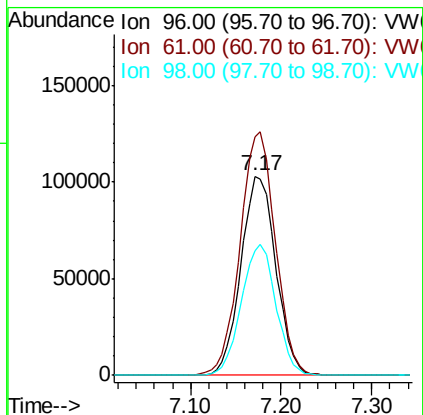
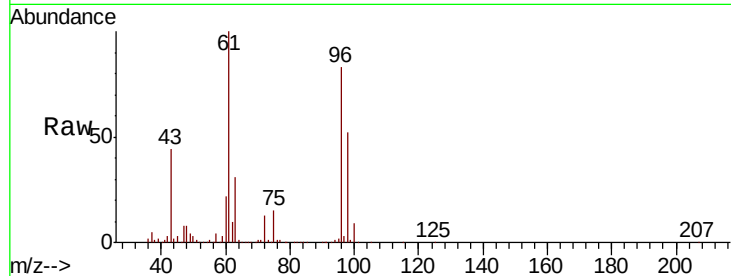


#22

cis-1,2-Dichloroethene
 Concen: 25.609 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW016455.D
 Acq: 03 Sep 2020 18:54

Instrument :
 MSVOA_W
 ClientSampleId :

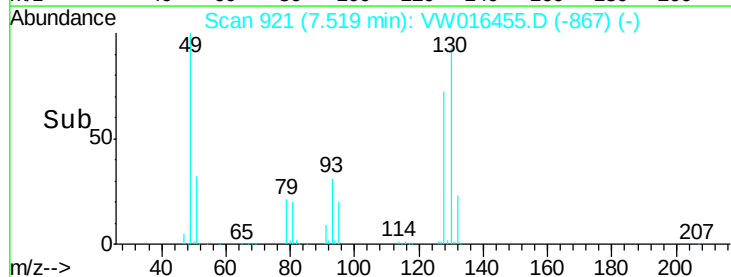
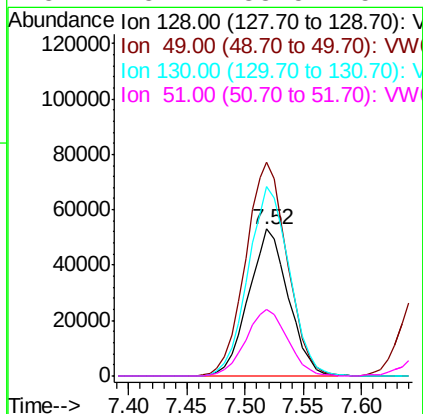
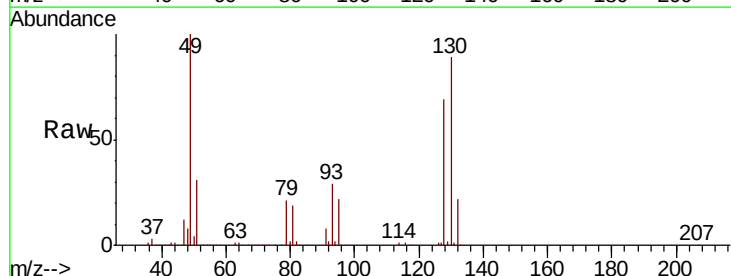
Tot Ion	96	Resp	275740
Ion	Ratio	Lower	Upper
96	100		
61	120.0	86.1	159.9
98	62.5	44.1	81.9

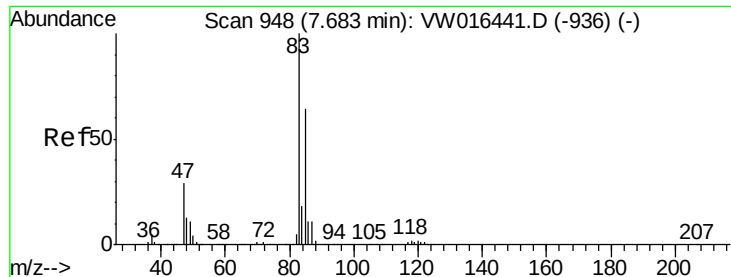


#23

Bromochloromethane
 Concen: 25.267 ug/L
 RT: 7.52 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VW016455.D
 Acq: 03 Sep 2020 18:54

Tgt Ion	128	Resp	126108
Ion	Ratio	Lower	Upper
128	100		
49	145.4	111.6	207.4
130	129.0	90.9	168.7
51	45.2	38.5	57.7

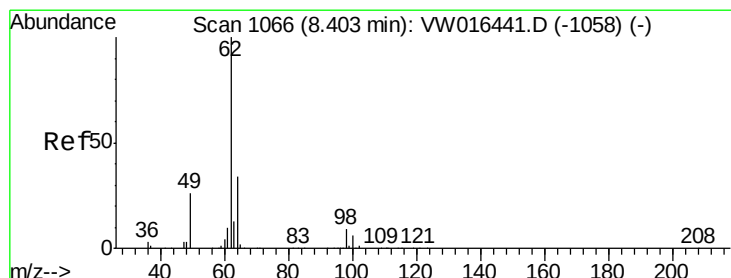
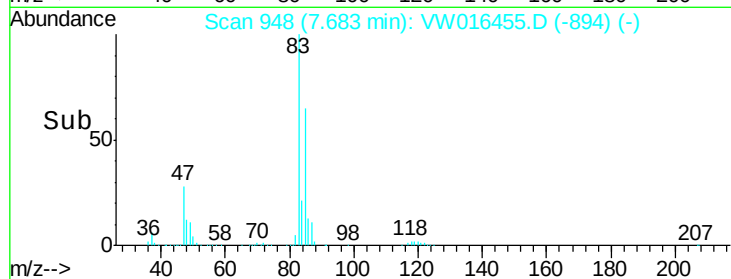
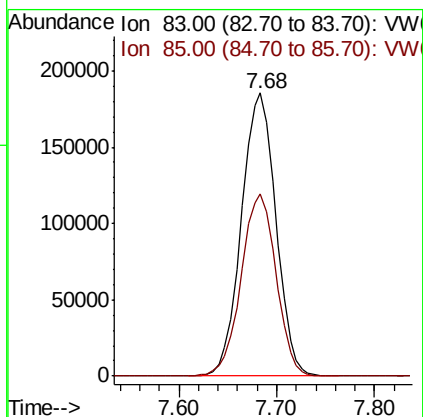
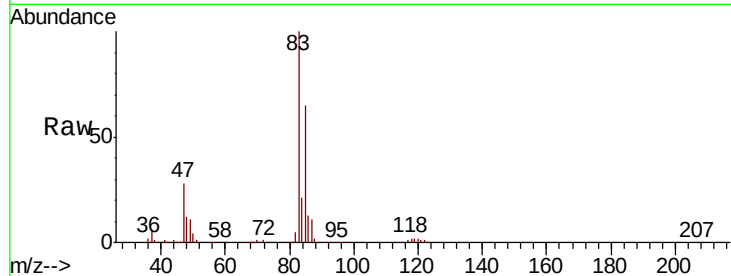




#25
Chloroform
Concen: 24.801 ug/L
RT: 7.68 min Scan# 948
Delta R.T. -0.00 min
Lab File: VW016455.D
Acq: 03 Sep 2020 18:54

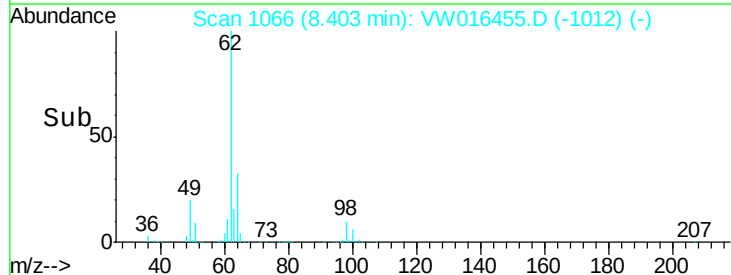
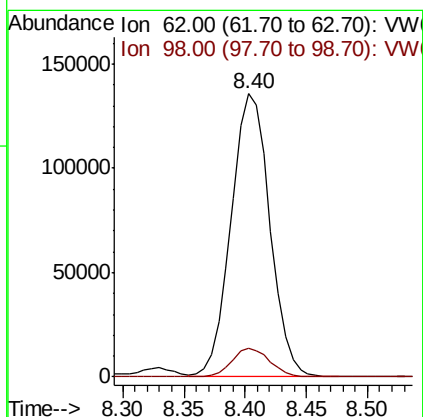
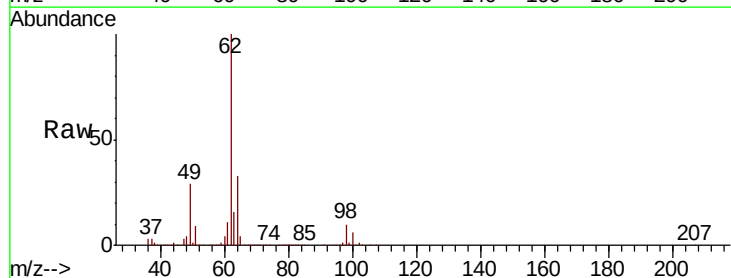
Instrument :
MSVOA_W
ClientSampleId :

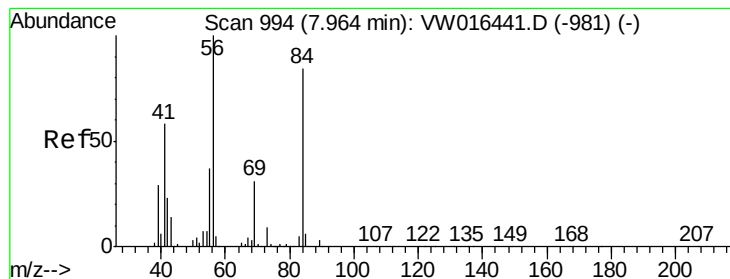
Tot Ion: 83 Resp: 451554
Ion Ratio Lower Upper
83 100
85 65.8 45.6 84.8



#27
1,2-Dichloroethane
Concen: 24.626 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW016455.D
Acq: 03 Sep 2020 18:54

Tgt Ion: 62 Resp: 298562
Ion Ratio Lower Upper
62 100
98 10.2 7.3 10.9





#30

Cyclohexane

Concen: 23.228 ug/L

RT: 7.96 min Scan# 994

Delta R.T. -0.00 min

Lab File: VW016455.D

Acq: 03 Sep 2020 18:54

Instrument :

MSVOA_W

ClientSampleId :

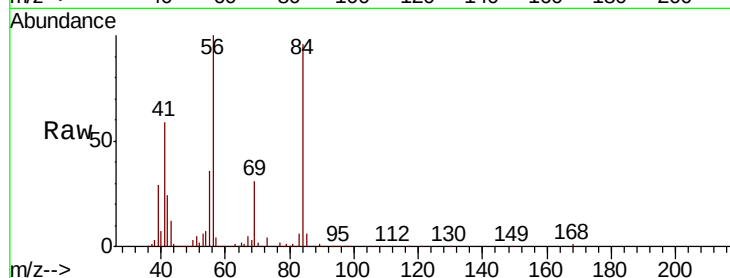
Tot Ion: 56 Resp: 404426

Ion Ratio Lower Upper

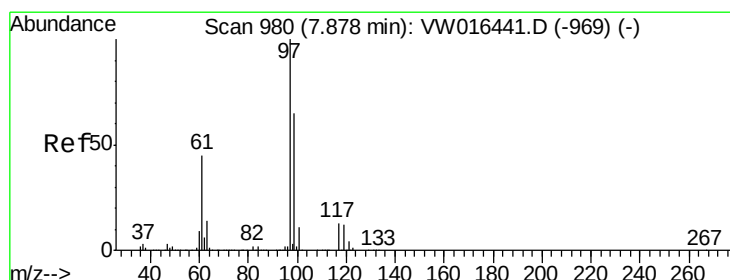
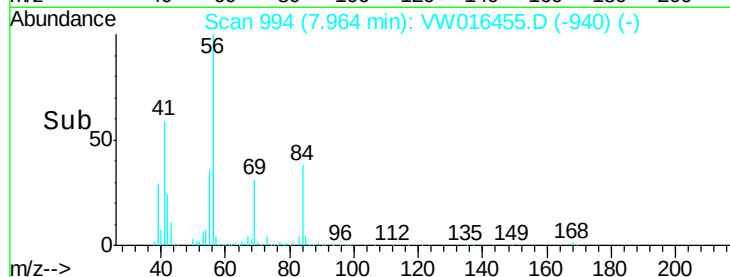
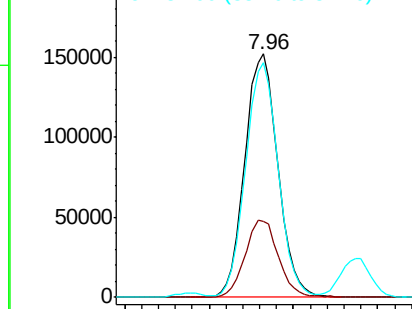
56 100

69 31.8 25.3 37.9

84 95.0 71.6 107.4



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: 24.464 ug/L

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW016455.D

Acq: 03 Sep 2020 18:54

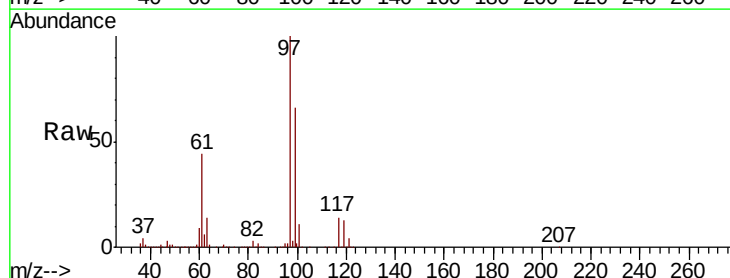
Tgt Ion: 97 Resp: 386105

Ion Ratio Lower Upper

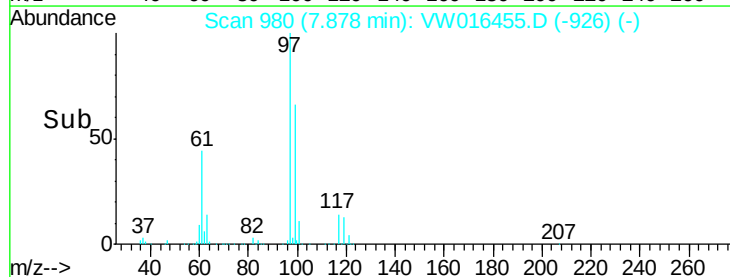
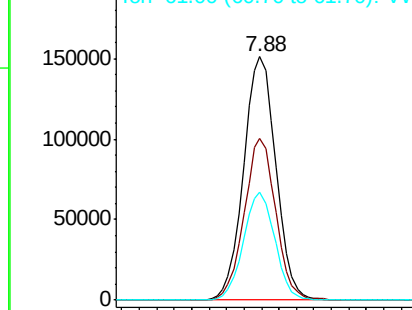
97 100

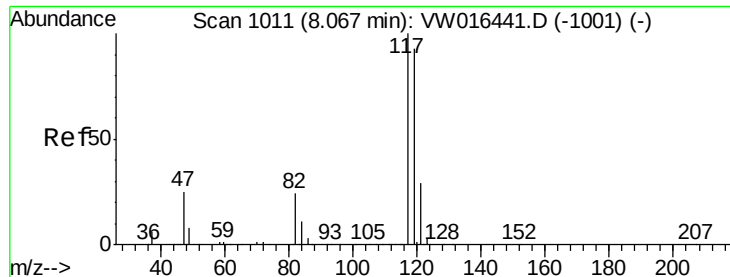
99 65.1 52.2 78.2

61 43.3 36.3 54.5



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: 24.767 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VW016455.D

Acq: 03 Sep 2020 18:54

Instrument :

MSVOA_W

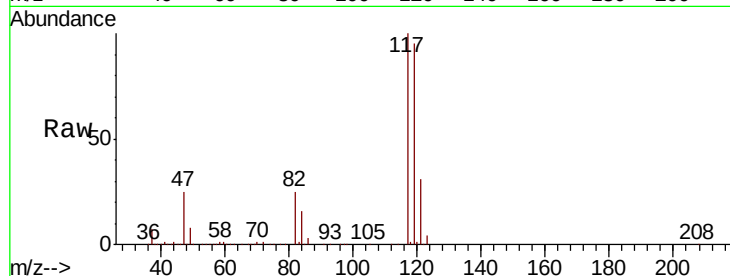
ClientSampleId :

Tot Ion:117 Resp: 373876

Ion Ratio Lower Upper

117 100

119 98.7 77.8 116.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

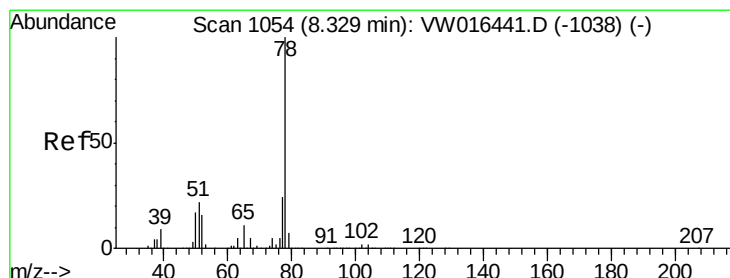
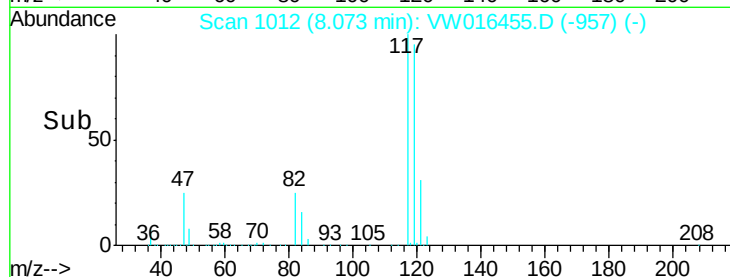
150000

100000

50000

0

Time-->



#34

Benzene

Concen: 24.644 ug/L

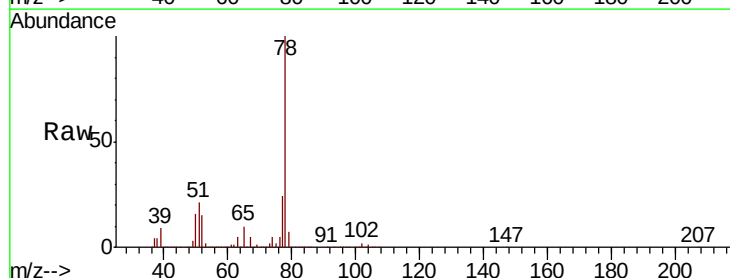
RT: 8.33 min Scan# 1054

Delta R.T. -0.00 min

Lab File: VW016455.D

Acq: 03 Sep 2020 18:54

Tgt Ion: 78 Resp: 982103



Abundance Ion 78.00 (77.70 to 78.70): VW

500000

400000

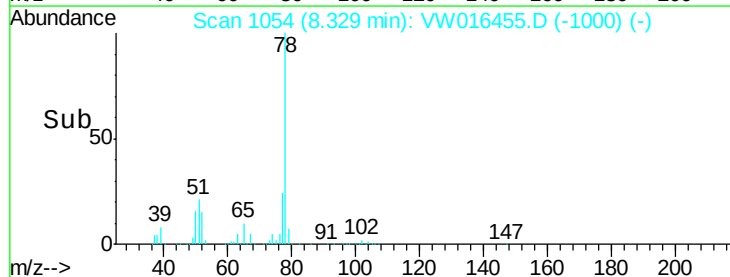
300000

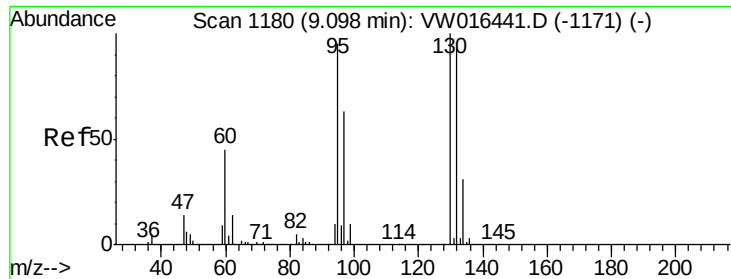
200000

100000

0

Time-->

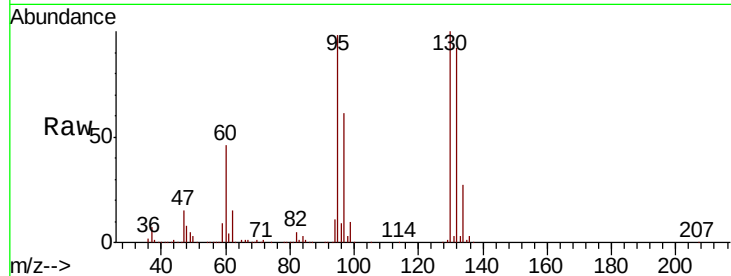




#35
 Trichloroethene
 Concen: 24.470 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: VW016455.D
 Acq: 03 Sep 2020 18:54

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	95	Resp	270203
Ion	Ratio	Lower	Upper
95	100		
97	64.3	44.9	83.5
132	102.4	69.2	128.4
130	105.6	72.0	133.6



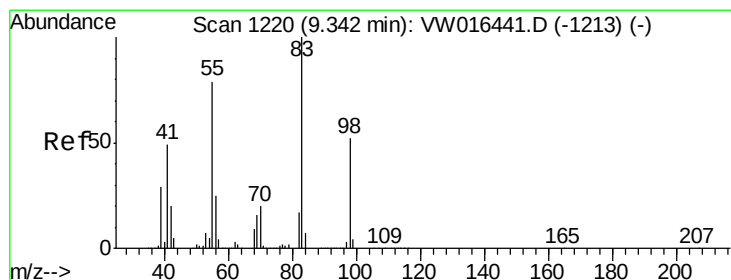
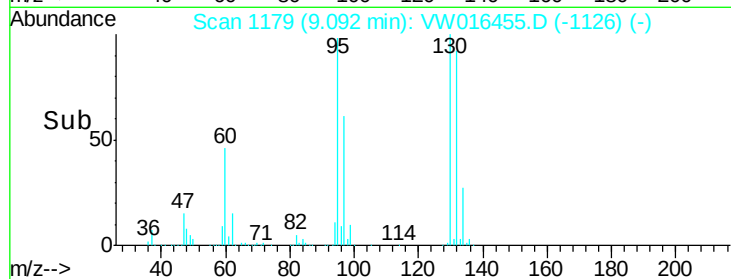
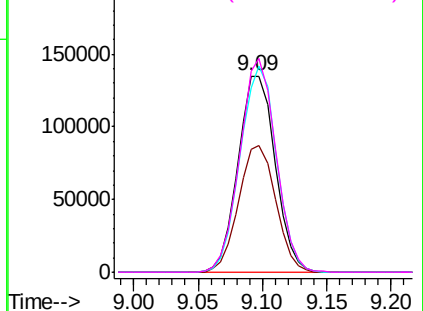
Abundance

Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

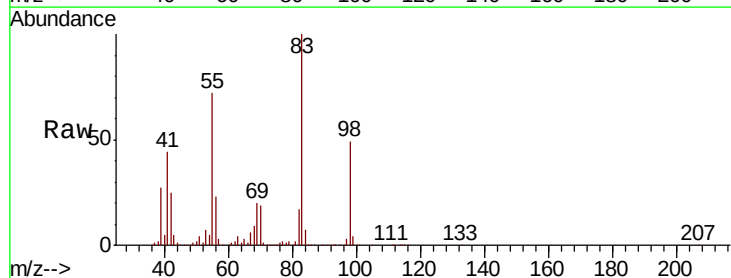
Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36
 Methylcyclohexane
 Concen: 24.309 ug/L
 RT: 9.34 min Scan# 1220
 Delta R.T. -0.00 min
 Lab File: VW016455.D
 Acq: 03 Sep 2020 18:54

Tgt Ion	83	Resp	469654
Ion	Ratio	Lower	Upper
83	100		
55	72.8	60.9	91.3
98	50.6	40.0	60.0

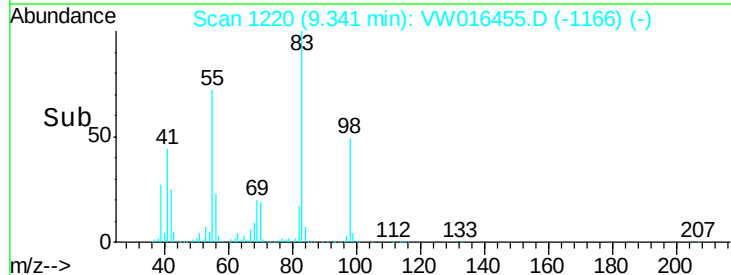
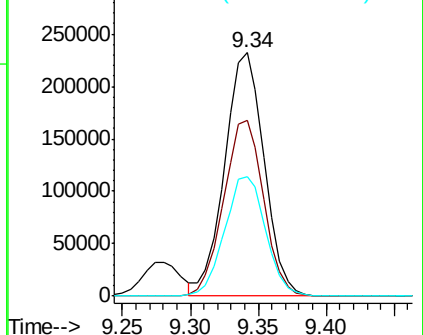


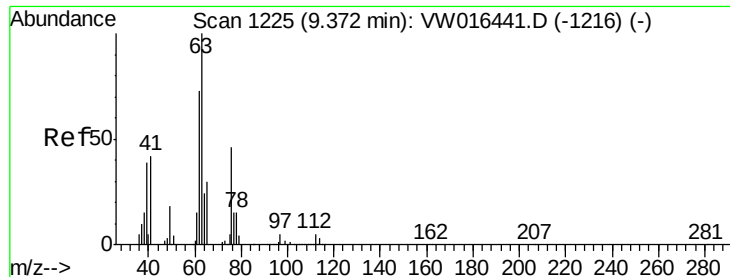
Abundance

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

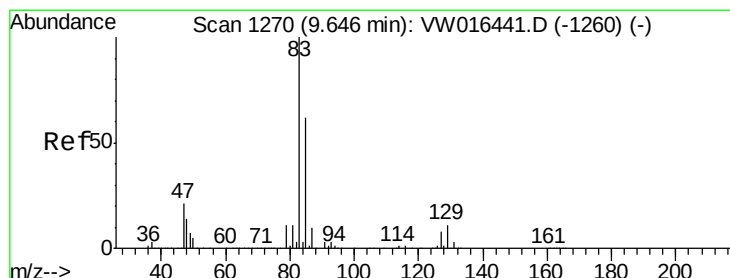
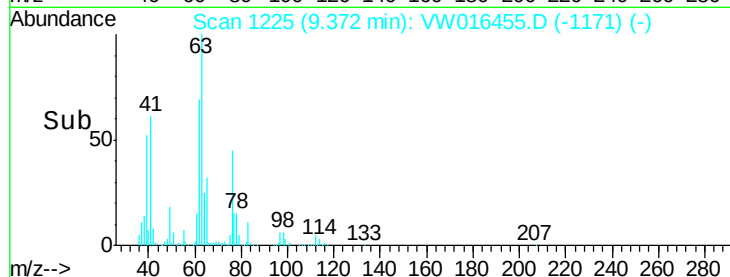
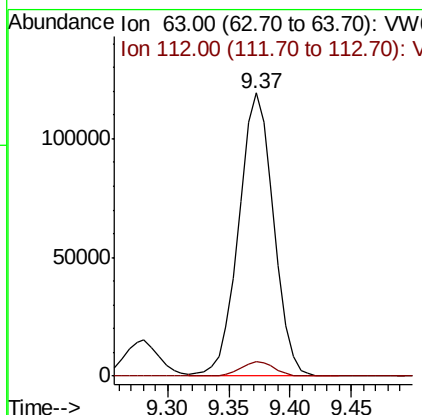
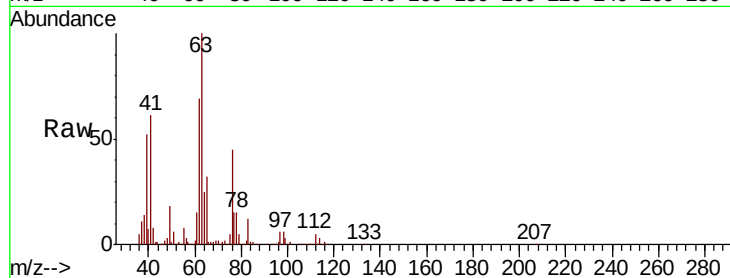




#40
 1,2-Dichloropropane
 Concen: 23.942 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW016455.D
 Acq: 03 Sep 2020 18:54

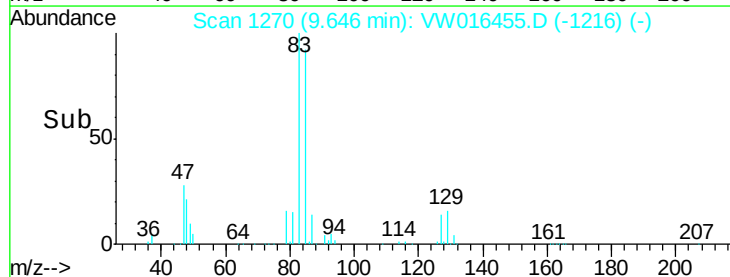
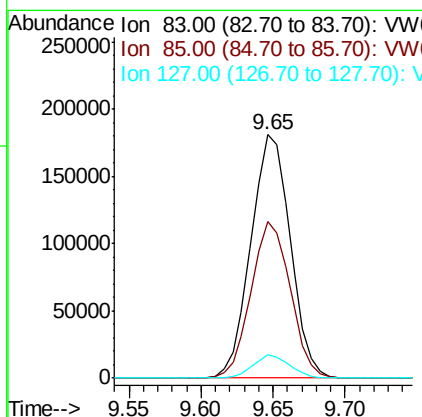
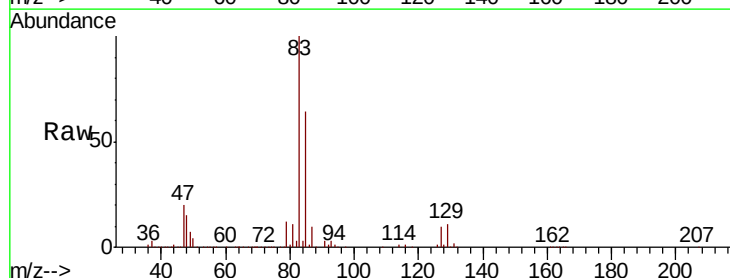
Instrument :
 MSVOA_W
 ClientSampled :

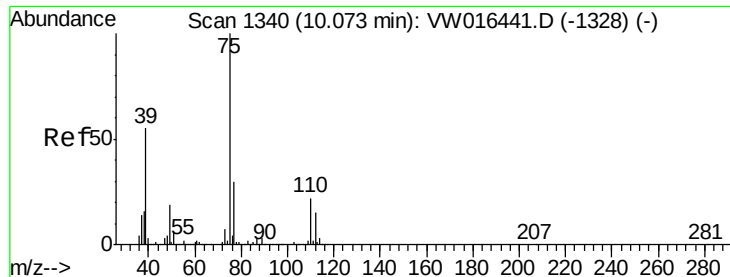
Tot Ion: 63 Resp: 235903
 Ion Ratio Lower Upper
 63 100
 112 5.0 3.8 5.8



#41
 Bromodichloromethane
 Concen: 24.861 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW016455.D
 Acq: 03 Sep 2020 18:54

Tgt Ion: 83 Resp: 342469
 Ion Ratio Lower Upper
 83 100
 85 64.5 43.5 80.7
 127 9.7 6.7 10.1





#42

cis-1,3-Dichloropropene

Concen: 24.679 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW016455.D

Acq: 03 Sep 2020 18:54

Instrument :

MSVOA_W

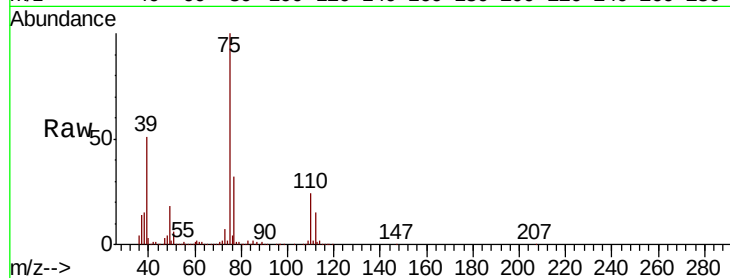
ClientSampled :

Tot Ion: 75 Resp: 412644

Ion Ratio Lower Upper

75 100

77 31.5 20.9 38.7



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.07

250000

200000

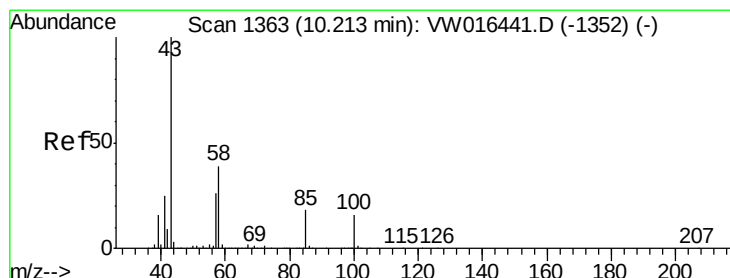
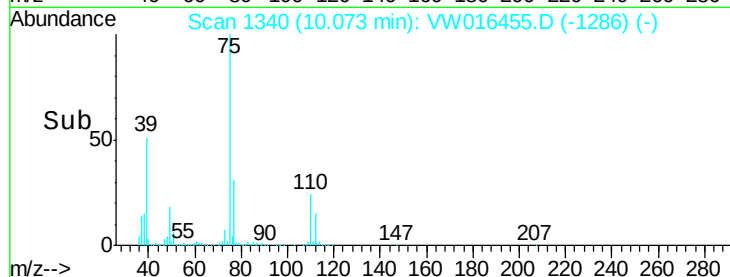
150000

100000

50000

0

Time-->



#43

4-Methyl-2-pentanone

Concen: 47.329 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW016455.D

Acq: 03 Sep 2020 18:54

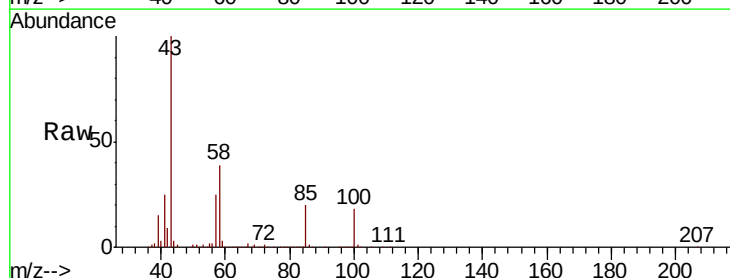
Tgt Ion: 43 Resp: 330222

Ion Ratio Lower Upper

43 100

58 38.8 30.6 45.8

100 17.5 13.0 19.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW

400000

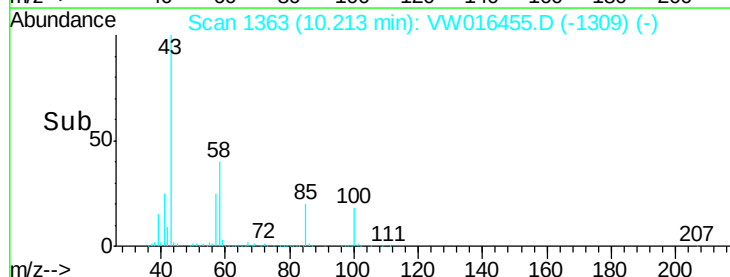
300000

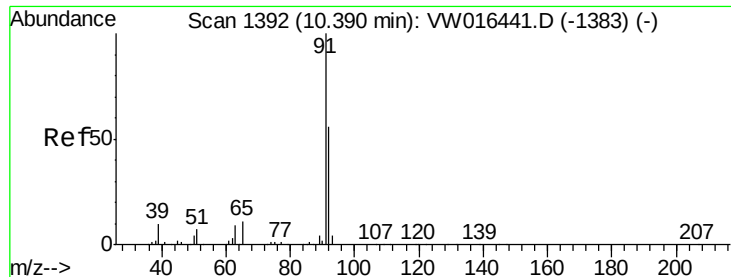
200000

100000

0

Time-->





#44

Toluene

Concen: 24.958 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW016455.D

Acq: 03 Sep 2020 18:54

Instrument :

MSVOA_W

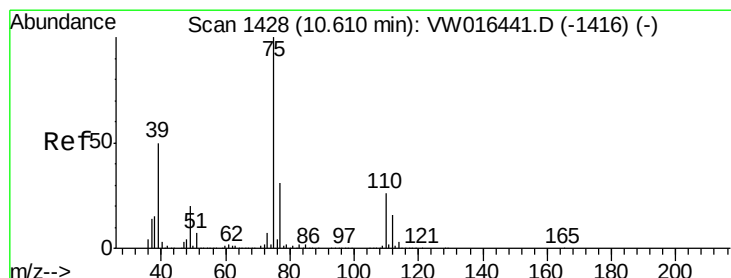
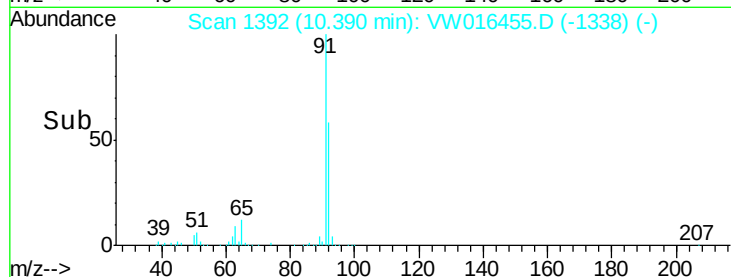
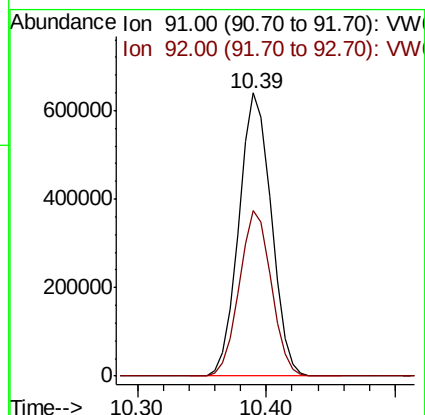
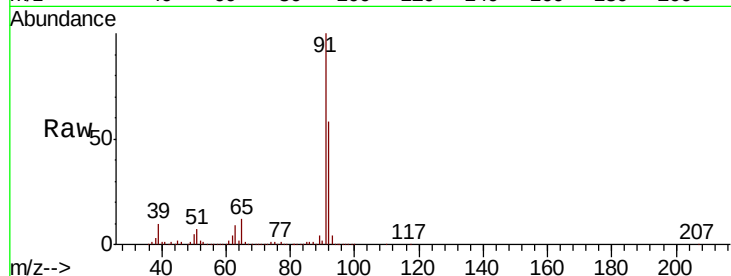
ClientSampleId :

Tot Ion: 91 Resp: 1112958

Ion Ratio Lower Upper

91 100

92 58.3 39.5 73.4



#45

trans-1,3-Dichloropropene

Concen: 24.215 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW016455.D

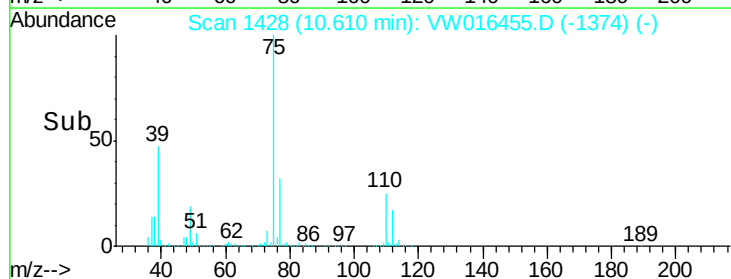
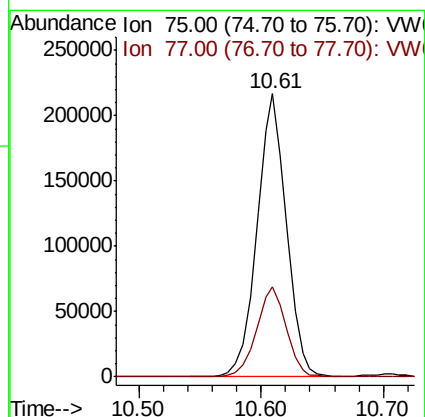
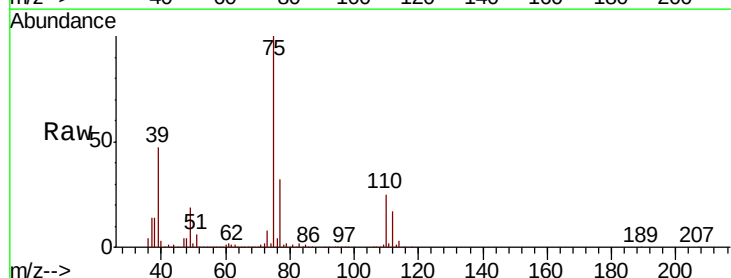
Acq: 03 Sep 2020 18:54

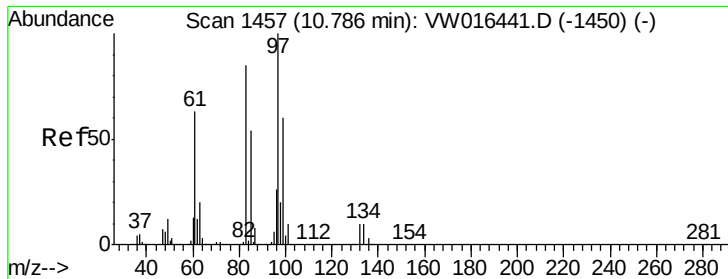
Tgt Ion: 75 Resp: 361922

Ion Ratio Lower Upper

75 100

77 31.8 21.9 40.7





#46

1,1,2-Trichloroethane

Concen: 25.149 ug/L

RT: 10.79 min Scan# 1458

Delta R.T. 0.01 min

Lab File: VW016455.D

Acq: 03 Sep 2020 18:54

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 196397

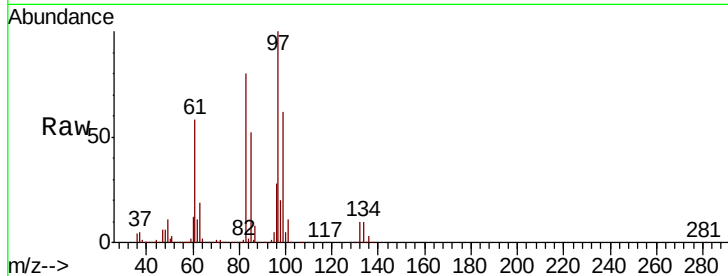
Ion Ratio Lower Upper

97 100

83 80.1 59.7 110.9

85 51.6 37.6 69.8

99 62.0 42.3 78.5

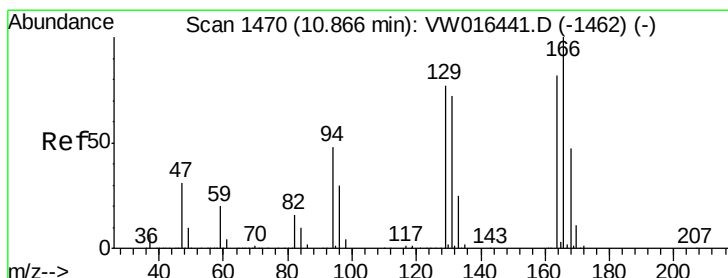
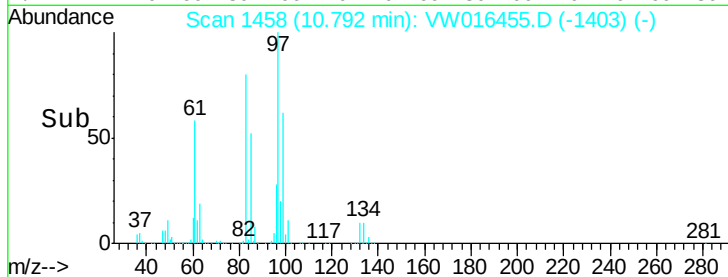
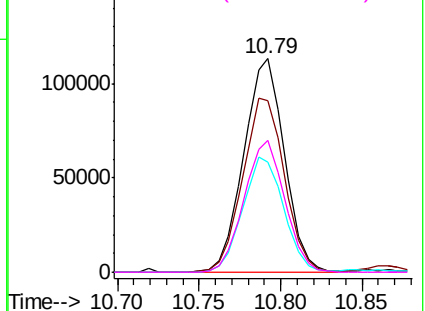


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 24.964 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW016455.D

Acq: 03 Sep 2020 18:54

Tgt Ion: 164 Resp: 221020

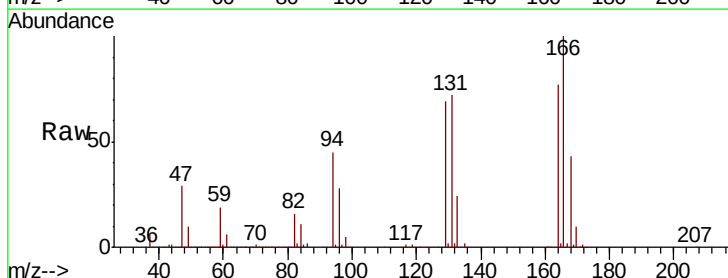
Ion Ratio Lower Upper

164 100

129 89.5 65.7 121.9

131 94.1 61.1 113.5

166 130.3 85.0 157.8

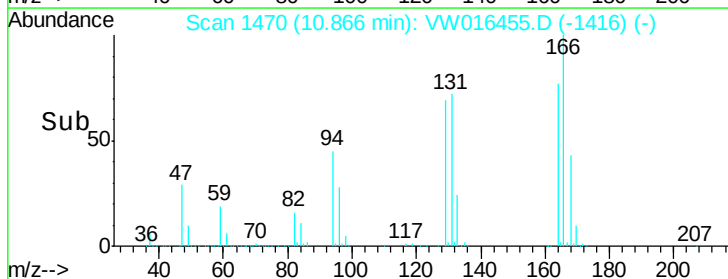
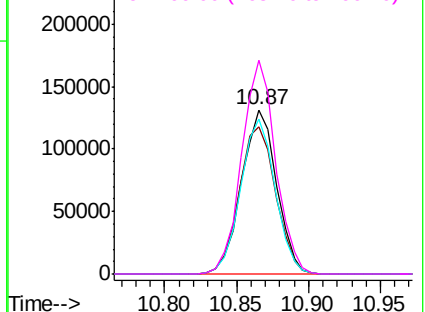


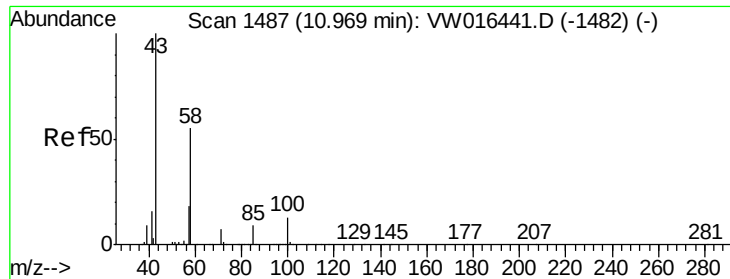
Abundance Ion 164.00 (163.70 to 164.70): V

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: 46.492 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW016455.D

Acq: 03 Sep 2020 18:54

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 225907

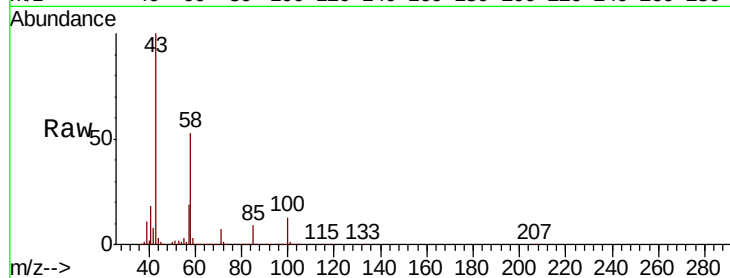
Ion Ratio Lower Upper

43 100

58 53.9 42.1 63.1

57 19.1 14.9 22.3

100 13.9 10.3 15.5



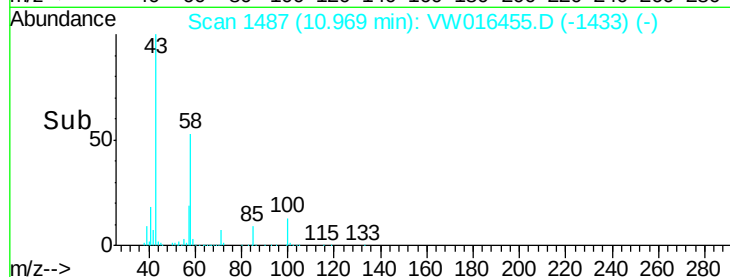
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

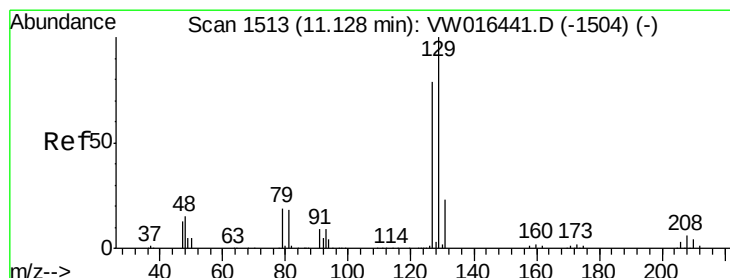
Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW

Time-->



Time-->



#50

Dibromochloromethane

Concen: 24.923 ug/L

RT: 11.13 min Scan# 1514

Delta R.T. 0.01 min

Lab File: VW016455.D

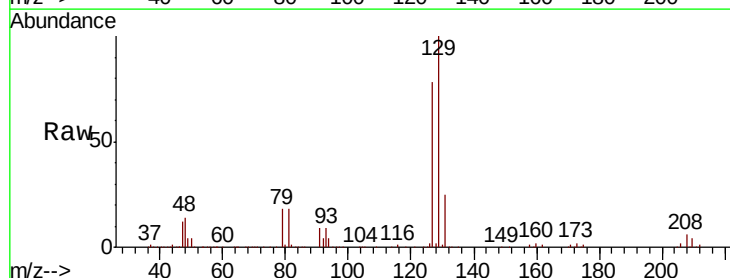
Acq: 03 Sep 2020 18:54

Tgt Ion: 129 Resp: 246108

Ion Ratio Lower Upper

129 100

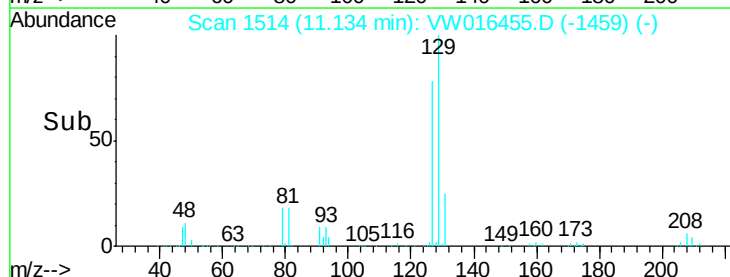
127 78.4 55.4 103.0



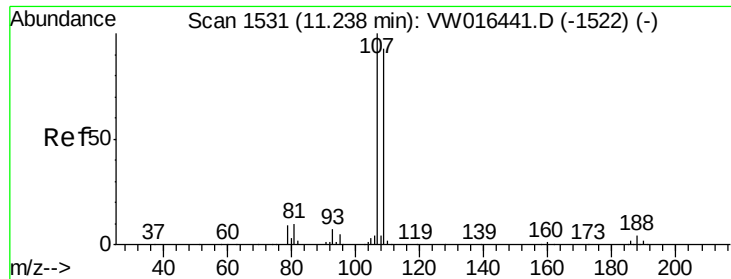
Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

Time-->



Time-->



#51

1,2-Dibromoethane

Concen: 25.205 ug/L

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW016455.D

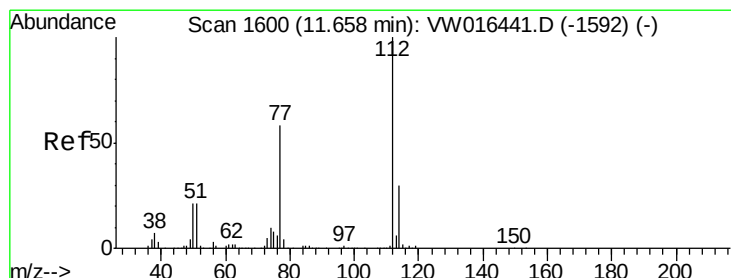
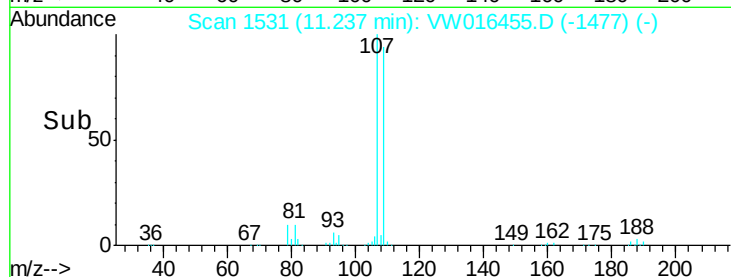
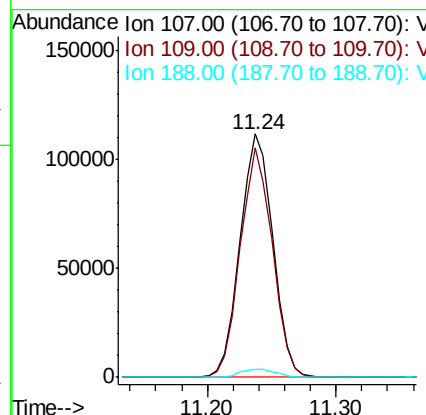
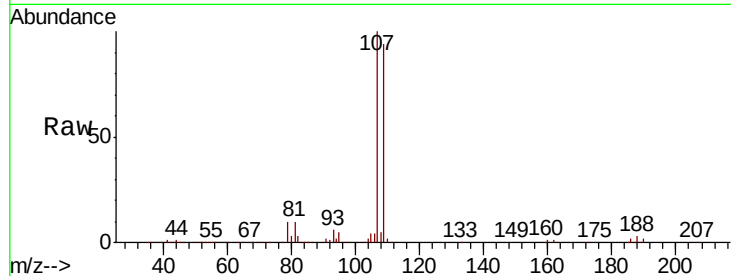
Acq: 03 Sep 2020 18:54

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:	107	Resp:	196689
Ion	Ratio	Lower	Upper
107	100		
109	94.2	64.8	120.4
188	3.3	3.4	5.0#



#52

Chlorobenzene

Concen: 25.425 ug/L

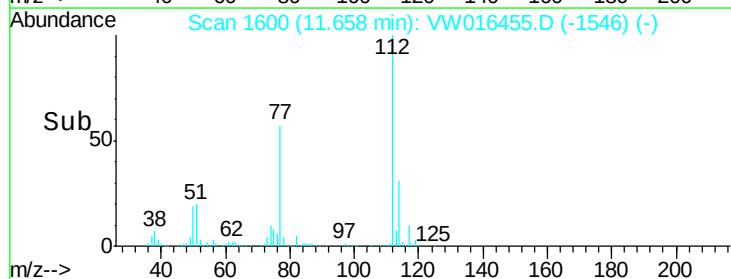
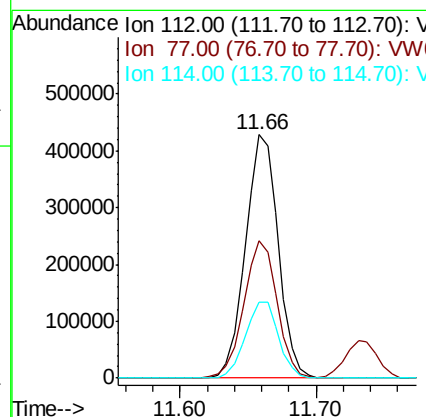
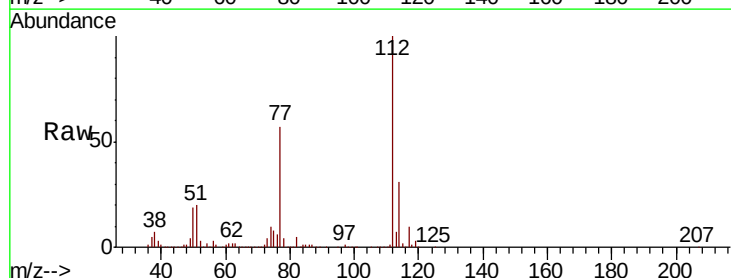
RT: 11.66 min Scan# 1600

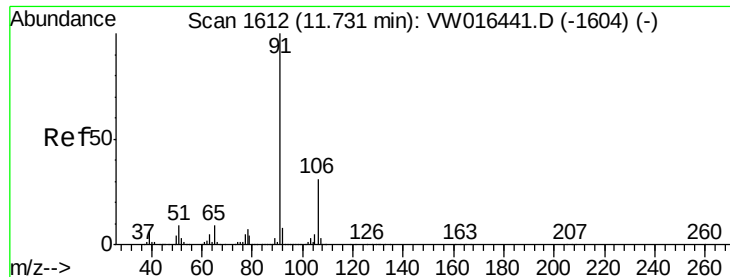
Delta R.T. -0.00 min

Lab File: VW016455.D

Acq: 03 Sep 2020 18:54

Tgt Ion:	112	Resp:	719221
Ion	Ratio	Lower	Upper
112	100		
77	56.7	46.2	69.2
114	31.0	21.1	39.3





#53

Ethylbenzene

Concen: 24.860 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW016455.D

Acq: 03 Sep 2020 18:54

Instrument :

MSVOA_W

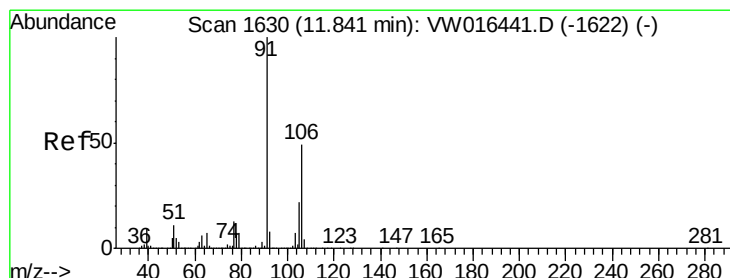
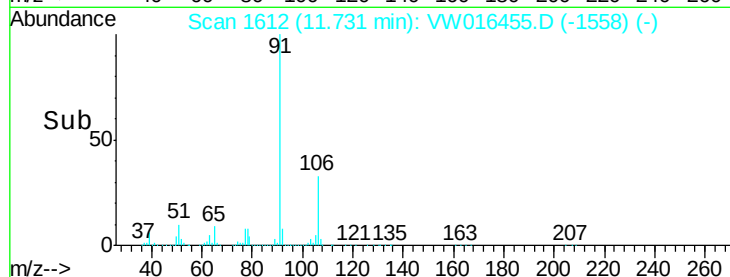
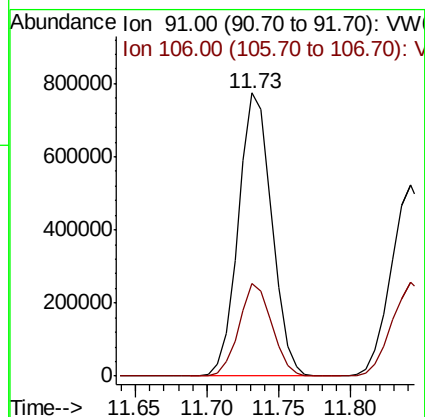
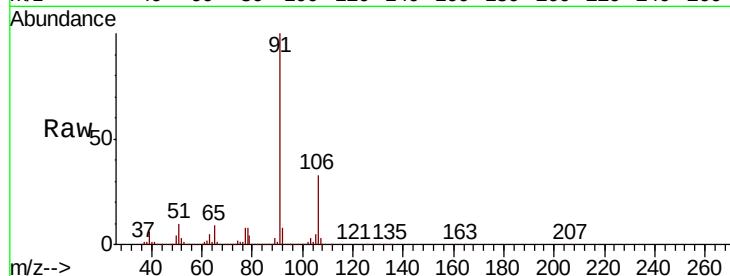
ClientSampled :

Tot Ion: 91 Resp: 1248670

Ion Ratio Lower Upper

91 100

106 32.8 21.6 40.2



#54

m,p-Xylene

Concen: 25.230 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW016455.D

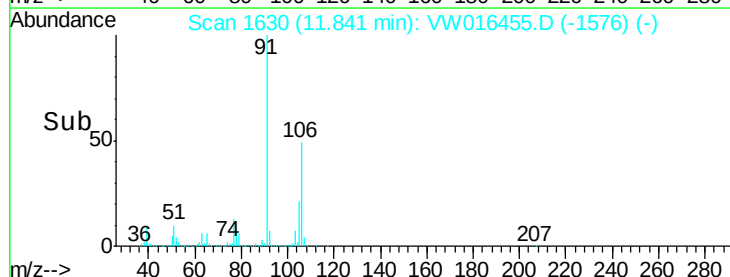
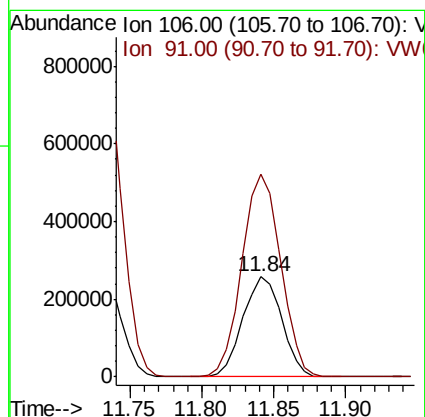
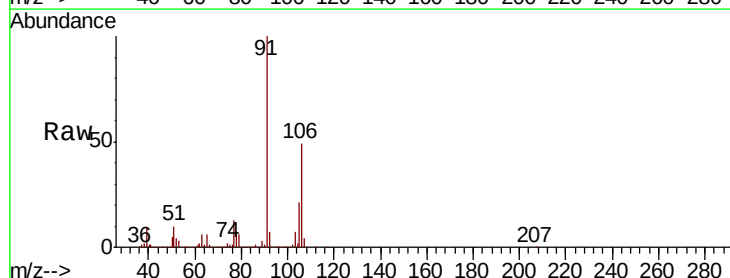
Acq: 03 Sep 2020 18:54

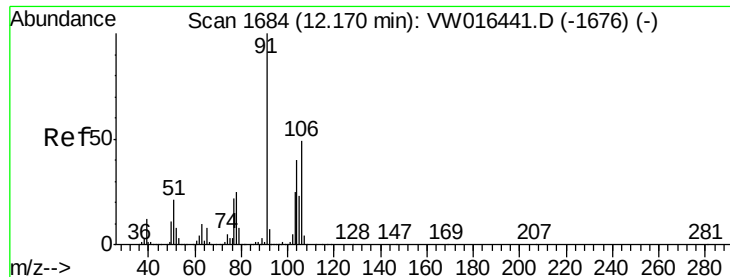
Tgt Ion: 106 Resp: 484344

Ion Ratio Lower Upper

106 100

91 202.8 142.3 264.3





#55

o-xylene

Concen: 25.451 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VW016455.D

Acq: 03 Sep 2020 18:54

Instrument :

MSVOA_W

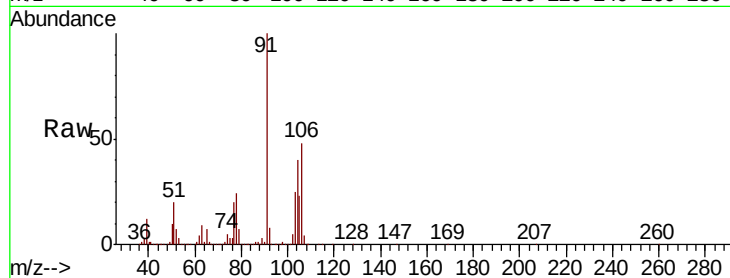
ClientSampled :

Tot Ion:106 Resp: 465400

Ion Ratio Lower Upper

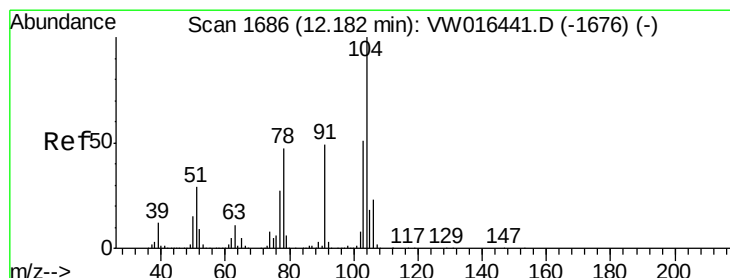
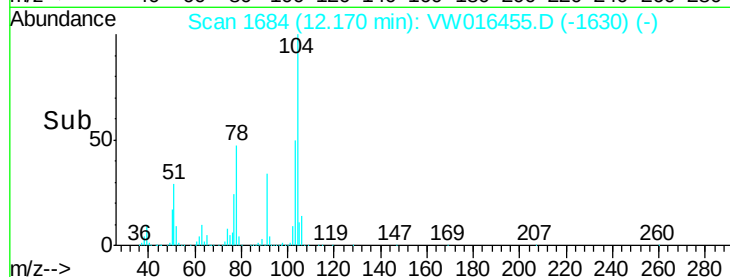
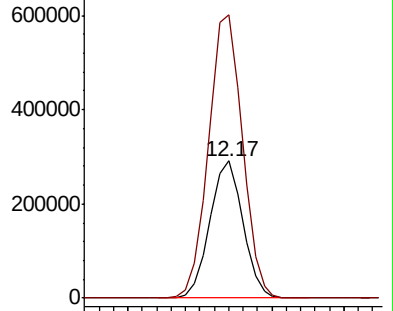
106 100

91 206.3 144.3 267.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 25.262 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW016455.D

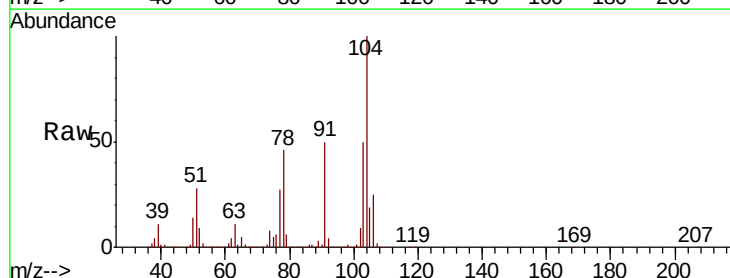
Acq: 03 Sep 2020 18:54

Tgt Ion:104 Resp: 793724

Ion Ratio Lower Upper

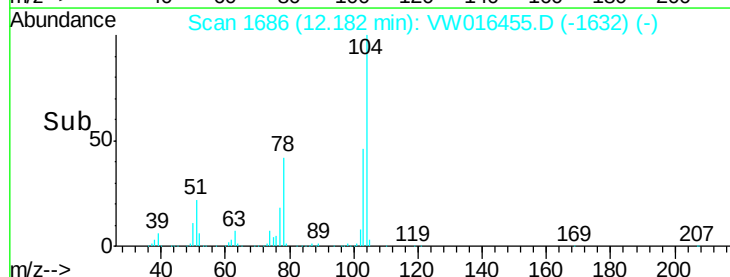
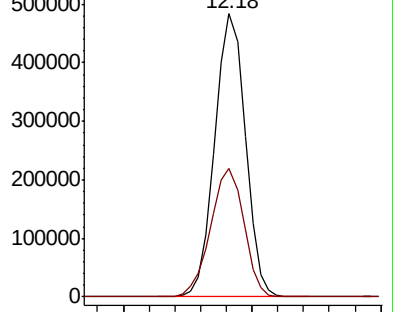
104 100

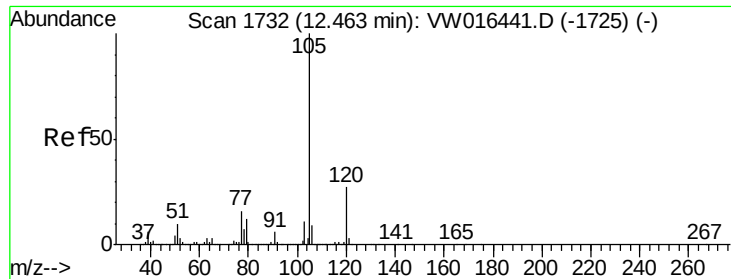
78 45.6 32.8 61.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 25.277 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW016455.D

Acq: 03 Sep 2020 18:54

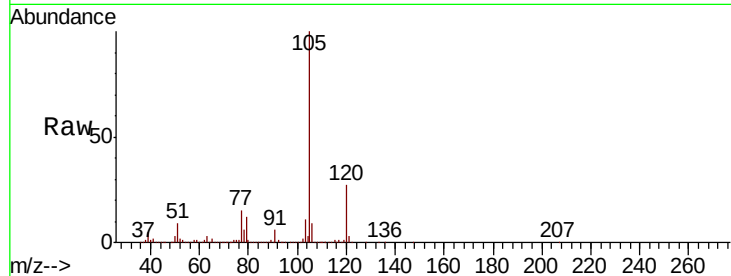
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:105 Resp: 1266189

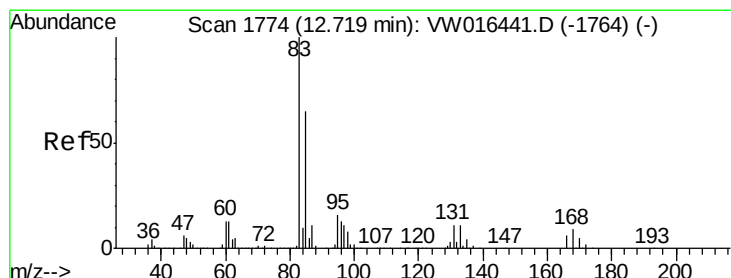
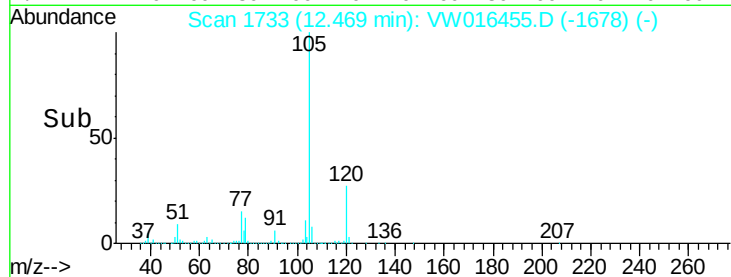
Ion	Ratio	Lower	Upper
105	100		
120	27.0	21.9	32.9
77	15.5	13.0	19.6



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: 25.044 ug/L

RT: 12.72 min Scan# 1774

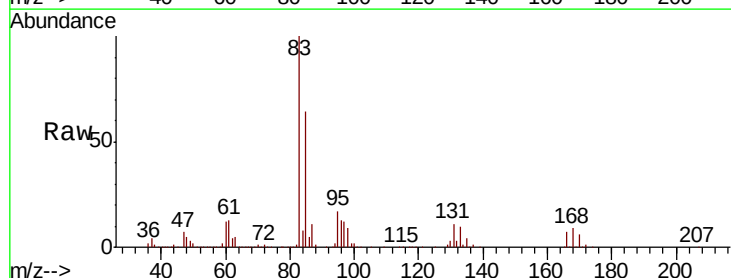
Delta R.T. -0.00 min

Lab File: VW016455.D

Acq: 03 Sep 2020 18:54

Tgt Ion: 83 Resp: 233142

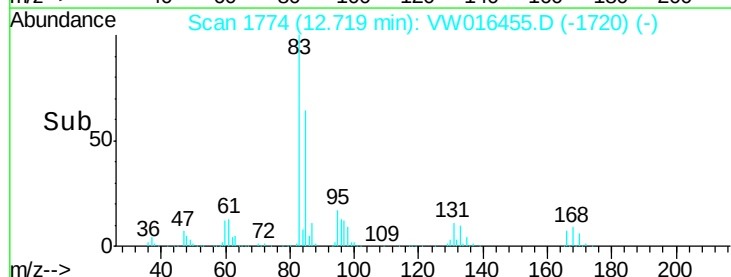
Ion	Ratio	Lower	Upper
83	100		
85	64.2	45.3	84.1
131	11.2	8.7	13.1

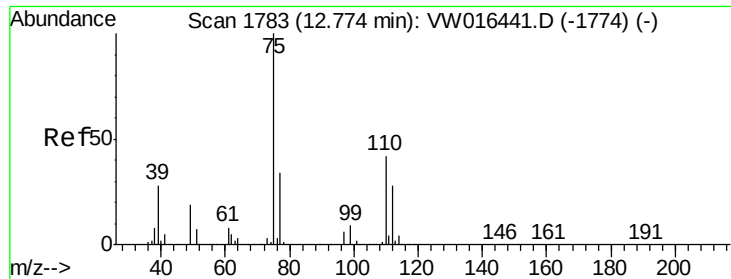


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 24.727 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.01 min

Lab File: VW016455.D

Acq: 03 Sep 2020 18:54

Instrument :

MSVOA_W

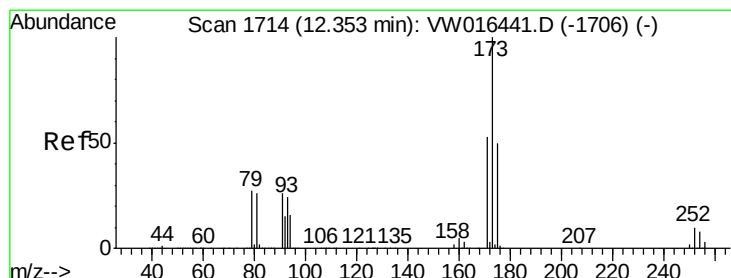
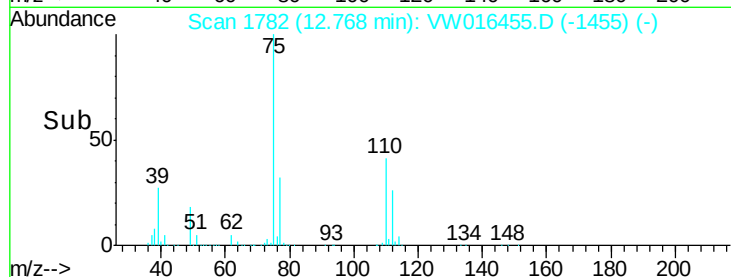
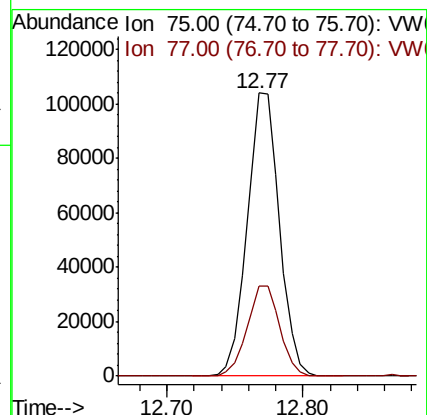
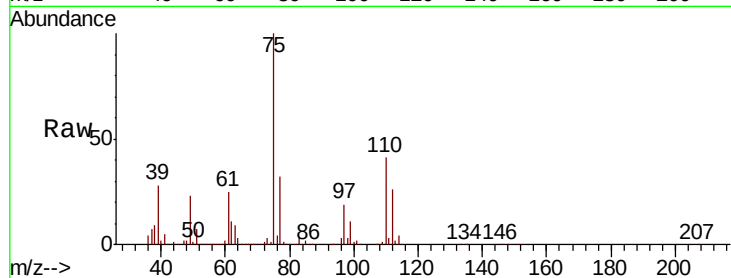
ClientSampled :

Tot Ion: 75 Resp: 172044

Ion Ratio Lower Upper

75 100

77 32.0 26.0 39.0



#62

Bromoform

Concen: 27.001 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW016455.D

Acq: 03 Sep 2020 18:54

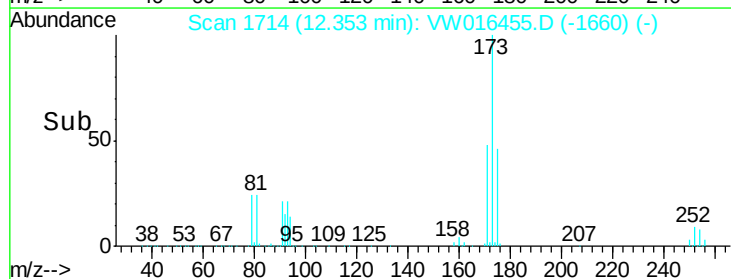
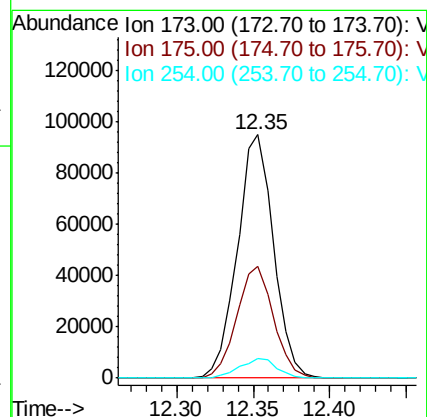
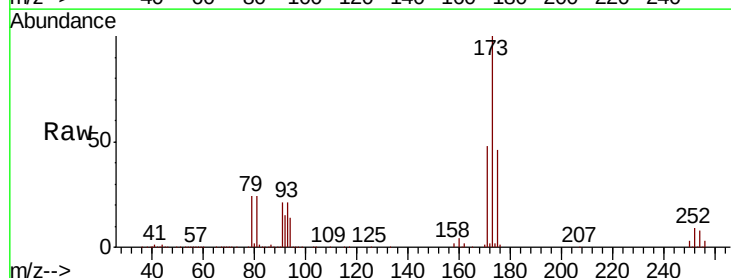
Tgt Ion: 173 Resp: 155561

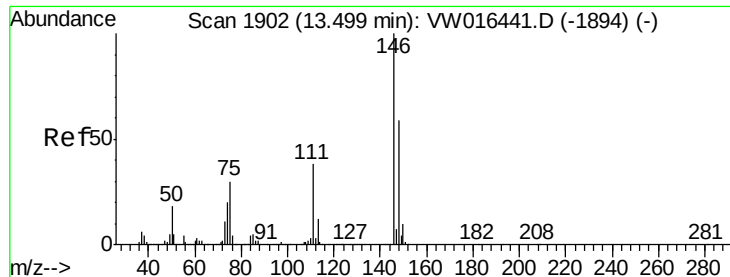
Ion Ratio Lower Upper

173 100

175 46.8 39.2 58.8

254 8.1 5.8 8.6





#63

1,3-Dichlorobenzene

Concen: 26.079 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW016455.D

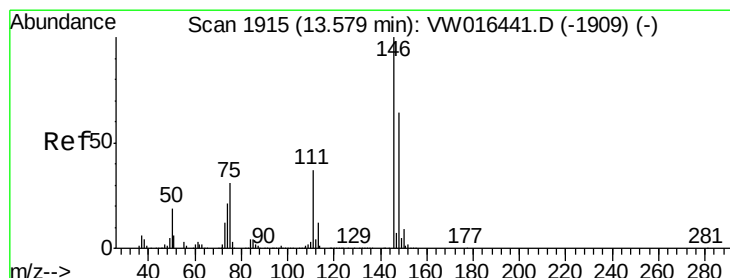
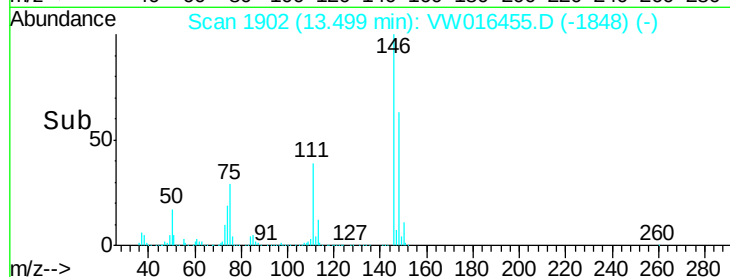
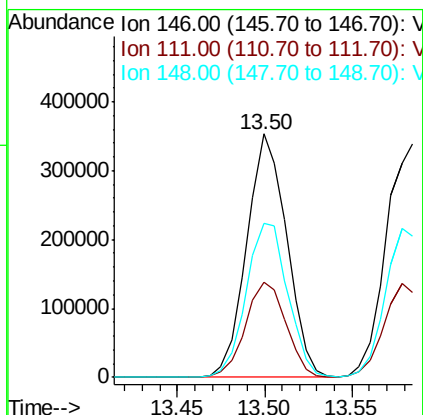
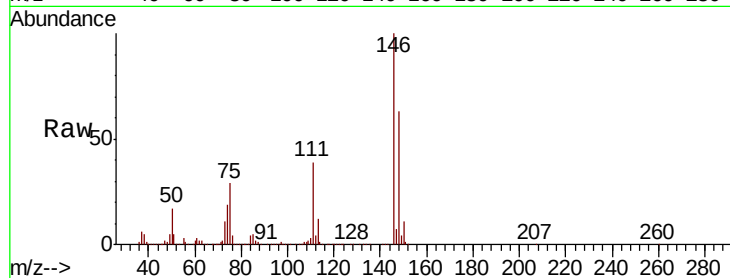
Acq: 03 Sep 2020 18:54

Instrument :

MSVOA_W

ClientSampled :

Tot Ion:146	Resp:	563714
Ion	Ratio	Lower Upper
146	100	
111	39.2	26.5 49.3
148	63.2	41.3 76.7



#64

1,4-Dichlorobenzene

Concen: 25.849 ug/L

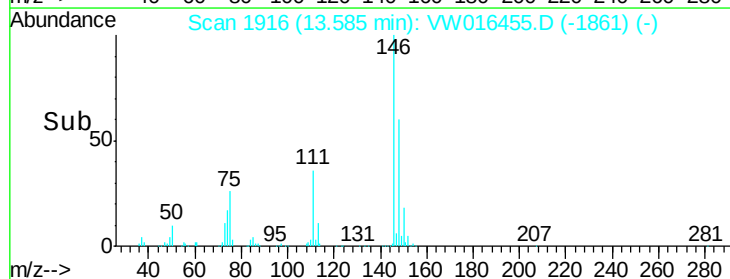
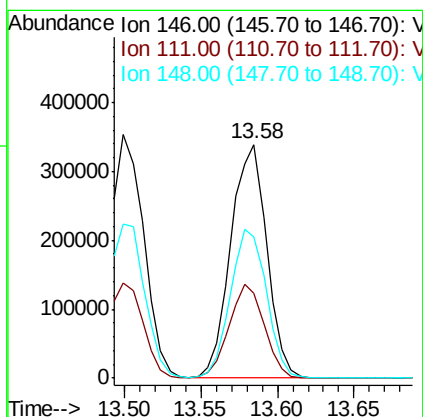
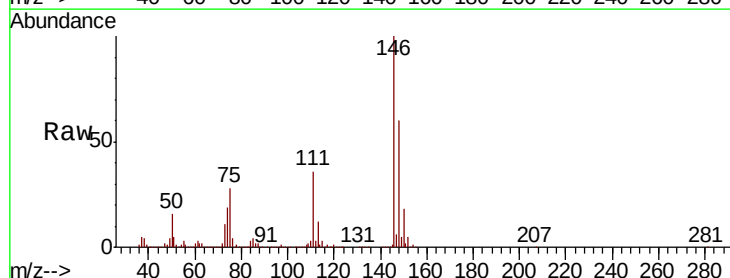
RT: 13.58 min Scan# 1916

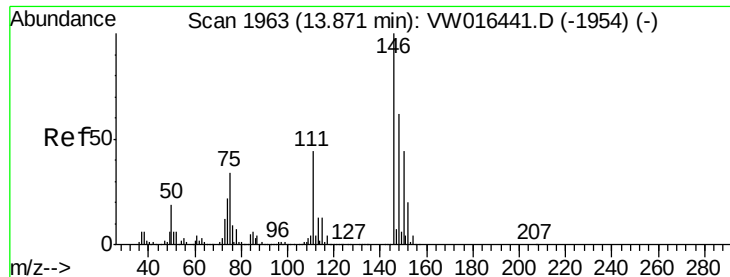
Delta R.T. 0.01 min

Lab File: VW016455.D

Acq: 03 Sep 2020 18:54

Tgt Ion:146	Resp:	554038
Ion	Ratio	Lower Upper
146	100	
111	36.2	26.4 49.0
148	60.4	45.1 83.9

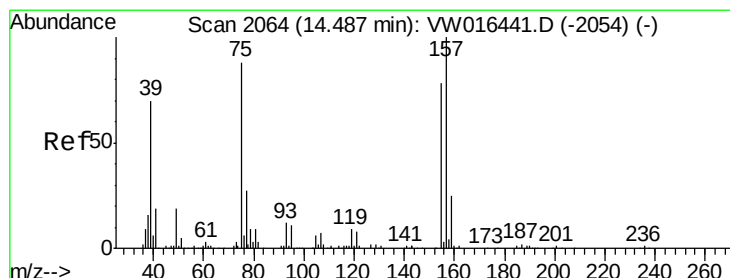
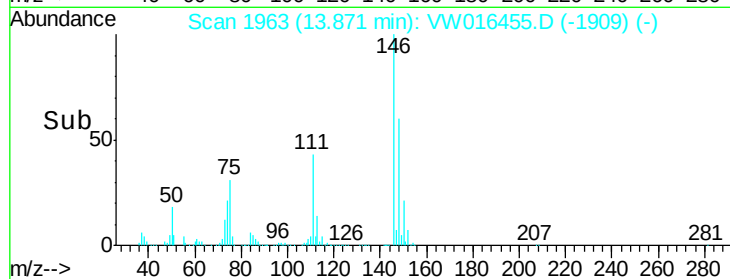
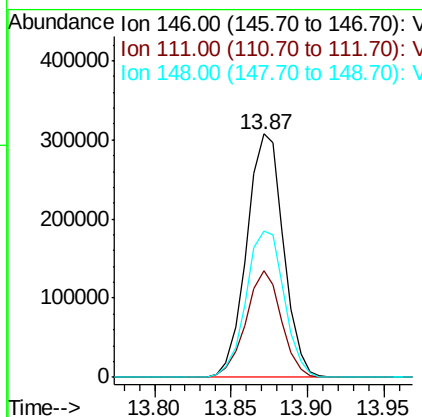
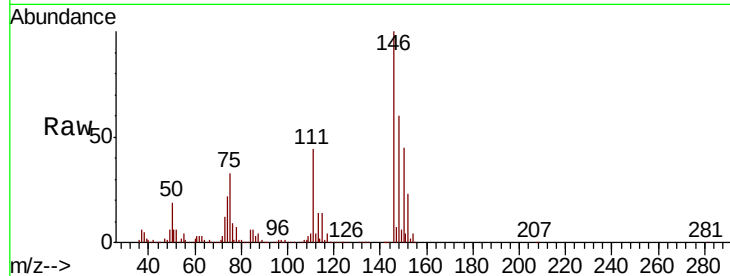




#65
 1,2-Dichlorobenzene
 Concen: 26.750 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW016455.D
 Acq: 03 Sep 2020 18:54

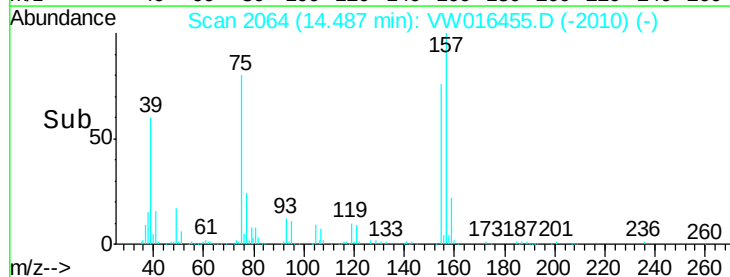
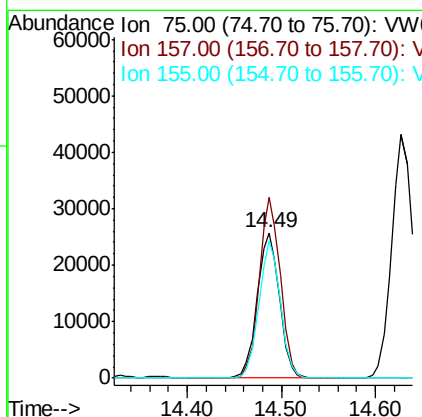
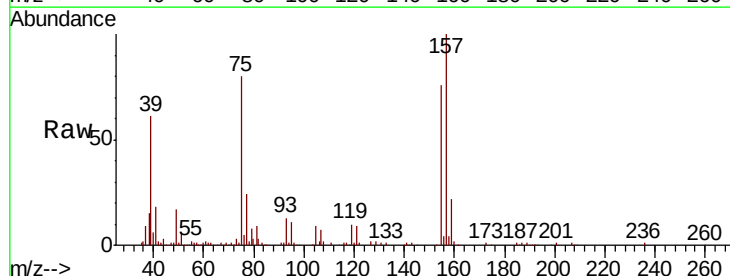
Instrument :
 MSVOA_W
 ClientSampleId :

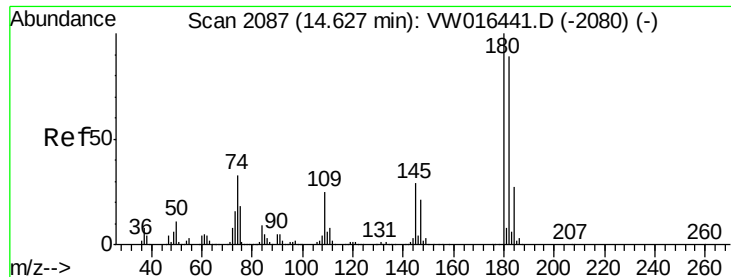
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.7	35.3	52.9
148	60.1	49.8	74.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 23.904 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW016455.D
 Acq: 03 Sep 2020 18:54

Tgt Ion	Ratio	Lower	Upper
75	100		
157	124.8	91.4	137.0
155	94.4	71.3	106.9

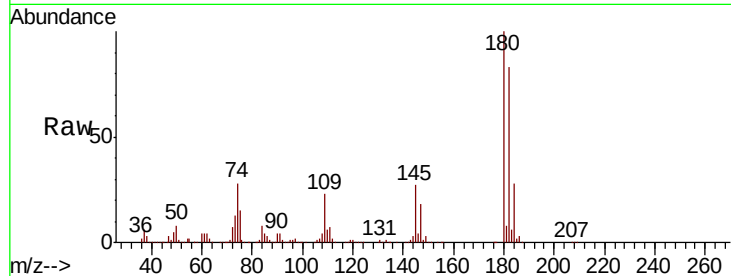




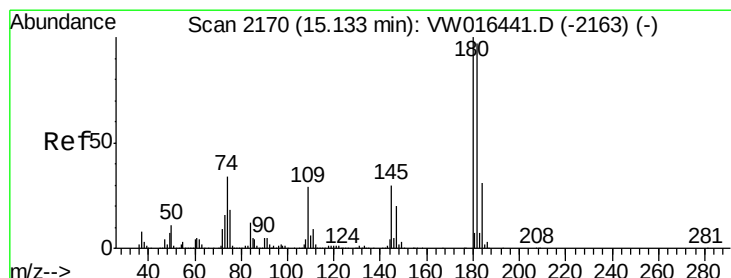
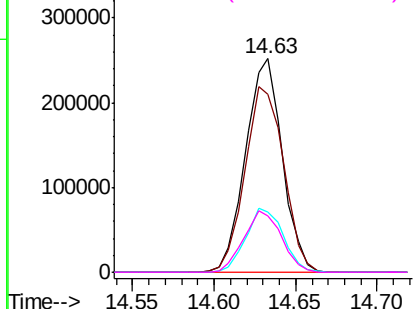
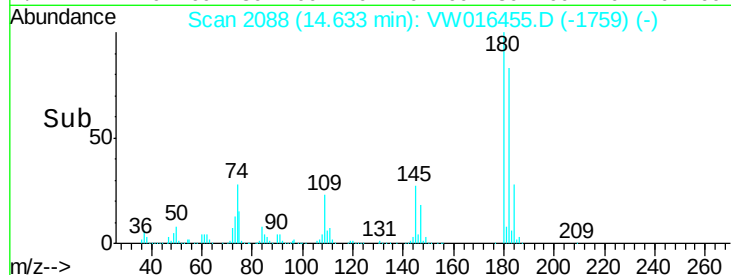
#67
 1,3,5-Trichlorobenzene
 Concen: 26.571 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.01 min
 Lab File: VW016455.D
 Acq: 03 Sep 2020 18:54

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:180	Resp:	395871
Ion Ratio	Lower	Upper
180	100	
182	91.5	75.8 113.8
184	30.5	24.2 36.2
145	29.6	24.6 36.8

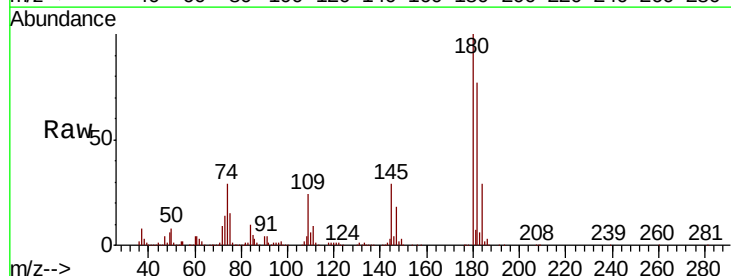


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

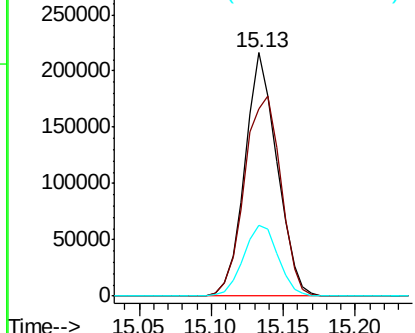
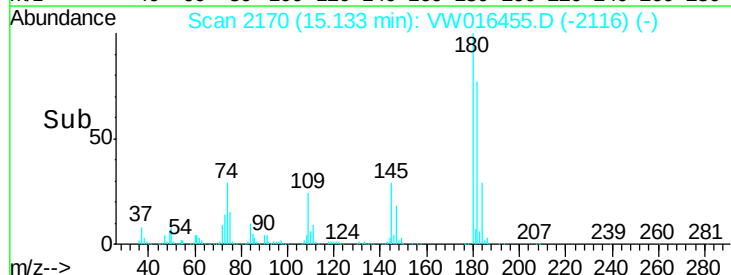


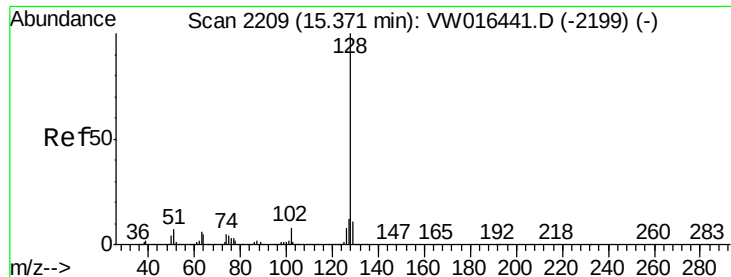
#68
 1,2,4-trichlorobenzene
 Concen: 25.959 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW016455.D
 Acq: 03 Sep 2020 18:54

Tgt Ion:180	Resp:	334525
Ion Ratio	Lower	Upper
180	100	
182	92.8	78.5 117.7
145	31.4	25.6 38.4



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: 26.635 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW016455.D

Acq: 03 Sep 2020 18:54

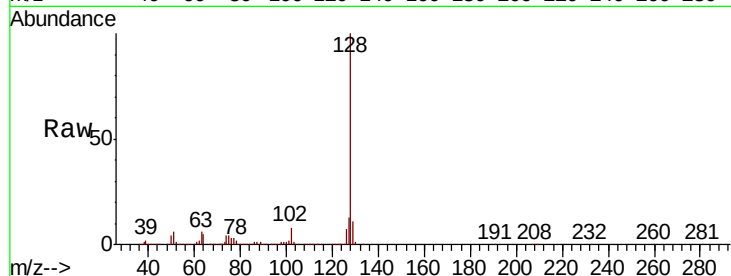
Instrument :

MSVOA_W

ClientSampled :

Tot Ion:128 Resp: 724420

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.7	13.1
127	12.9	10.5	15.7

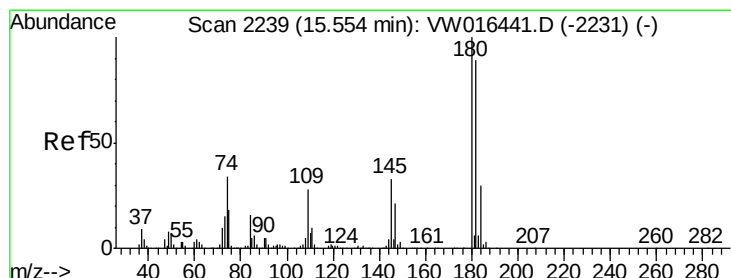
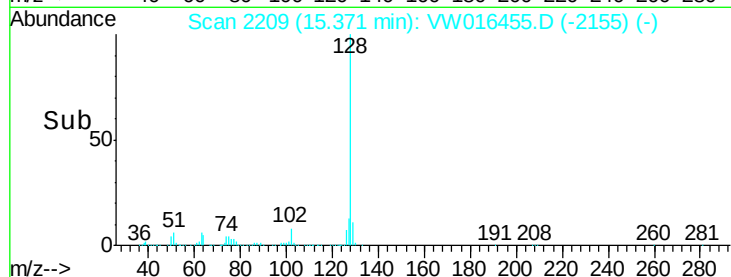
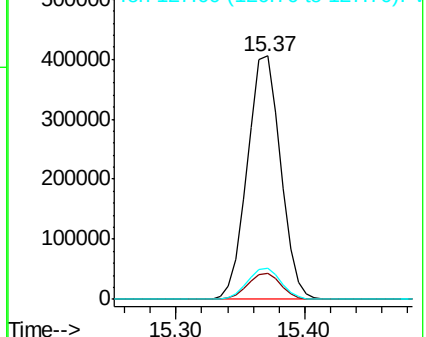


Abundance

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: 25.234 ug/L

RT: 15.56 min Scan# 2240

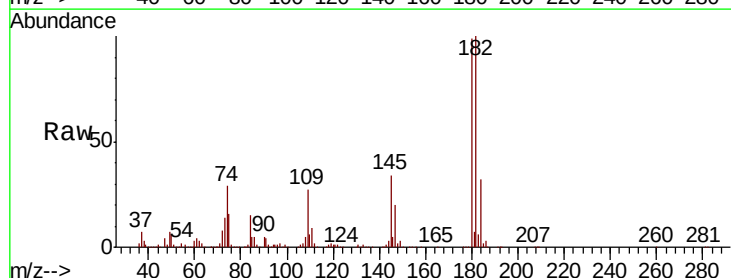
Delta R.T. 0.01 min

Lab File: VW016455.D

Acq: 03 Sep 2020 18:54

Tgt Ion:180 Resp: 279197

Ion	Ratio	Lower	Upper
180	100		
182	101.2	76.1	114.1
145	35.0	28.1	42.1



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

