

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080720\
 Data File : VW016062.D
 Acq On : 07 Aug 2020 08:28
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 08 03:15:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM072020S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 07 15:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	305867	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	282459	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	141527	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	102080	23.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.60%
7) Chloroethane-d5	2.89	69	80032	22.83	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.32%
10) 1,1-Dichloroethene-d2	4.01	63	209254	23.98	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	95.92%
20) 2-Butanone-d5	7.09	46	49875	43.99	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.98%
24) Chloroform-d	7.65	84	210237	24.47	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.88%
26) 1,2-Dichloroethane-d4	8.31	65	106349	22.55	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.20%
29) Benzene-d6	8.27	84	424943	24.72	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.88%
33) 1,2-Dichloropropane-d6	9.27	67	120451	23.37	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.48%
37) Toluene-d8	10.32	98	401460	25.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	103.12%
38) trans-1,3-Dichloropropene-	10.58	79	54631	24.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.48%
39) 2-Hexanone-d5	10.93	63	41711	48.60	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.20%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	97602	24.64	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.56%
61) 1,2-Dichlorobenzene-d4	13.85	152	138229	25.05	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	54688	21.130	ug/L 98
3) Chloromethane	2.21	50	62925	20.102	ug/L 96
5) Vinyl chloride	2.37	62	98725	20.449	ug/L 99
6) Bromomethane	2.79	94	62477	21.691	ug/L 98
8) Chloroethane	2.93	64	61015	21.573	ug/L 99
9) Trichlorofluoromethane	3.26	101	88642	27.314	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	105987	26.717	ug/L 94
12) 1,1-Dichloroethene	4.03	96	100285	25.506	ug/L 92
13) Acetone	4.14	43	43786	45.989	ug/L 94
14) Carbon disulfide	4.38	76	267163	21.515	ug/L 98
15) Methyl Acetate	4.68	43	40620	22.627	ug/L 95
16) Methylene chloride	4.91	84	111279	22.203	ug/L 89
17) Methyl tert-butyl Ether	5.43	73	143527	25.814	ug/L 95
18) trans-1,2-Dichloroethene	5.42	96	103663	24.967	ug/L 95
19) 1,1-Dichloroethane	6.22	63	183559	23.990	ug/L 99
21) 2-Butanone	7.18	43	57003	48.417	ug/L 97
22) cis-1,2-Dichloroethene	7.17	96	112774	25.961	ug/L 92

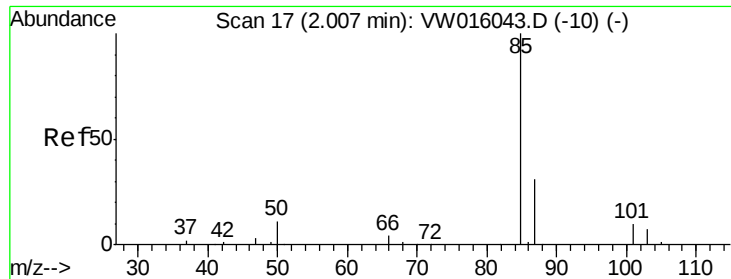
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 Quant Title : VOC Analysis
 QLast Update : Fri Aug 07 15:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	51481	27.026	ug/L	85
25) Chloroform	7.68	83	192814	25.427	ug/L	99
27) 1,2-Dichloroethane	8.40	62	115627	22.409	ug/L	97
30) Cyclohexane	7.96	56	158182	22.210	ug/L	95
31) 1,1,1-Trichloroethane	7.87	97	166991	25.319	ug/L	97
32) Carbon tetrachloride	8.07	117	157341	26.308	ug/L	100
34) Benzene	8.32	78	421614	24.576	ug/L	100
35) Trichloroethene	9.09	95	111869	24.651	ug/L	93
36) Methylcyclohexane	9.34	83	188504	24.208	ug/L	96
40) 1,2-Dichloropropane	9.37	63	101594	23.905	ug/L	98
41) Bromodichloromethane	9.65	83	137870	25.120	ug/L	95
42) cis-1,3-Dichloropropene	10.07	75	159554	24.650	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	117799	47.487	ug/L	95
44) Toluene	10.39	91	461001	25.621	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	139725	24.905	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	81305	26.604	ug/L	95
47) Tetrachloroethene	10.87	164	95564	27.129	ug/L	91
49) 2-Hexanone	10.97	43	83513	47.441	ug/L	94
50) Dibromochloromethane	11.13	129	98871	27.944	ug/L	97
51) 1,2-Dibromoethane	11.24	107	77377	26.466	ug/L	96
52) Chlorobenzene	11.66	112	298100	25.855	ug/L	99
53) Ethylbenzene	11.73	91	520169	25.709	ug/L	99
54) m,p-Xylene	11.84	106	200465	26.483	ug/L	96
55) o-xylene	12.17	106	188389	26.430	ug/L	98
56) Styrene	12.18	104	327424	27.012	ug/L	98
57) Isopropylbenzene	12.47	105	525163	27.066	ug/L	97
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	93734	26.119	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	68266	25.389	ug/L	100
62) Bromoform	12.35	173	57152	27.451	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	237629	26.234	ug/L	95
64) 1,4-Dichlorobenzene	13.58	146	233696	25.421	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	213803	25.986	ug/L	93
66) 1,2-Dibromo-3-chloropropan	14.49	75	14923	24.098	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	168467	26.451	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	135082	26.702	ug/L	98
69) Naphthalene	15.37	128	244875	25.694	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	120278	26.684	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 21.130 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW016062.D

Acq: 07 Aug 2020 08:28

Instrument :

MSVOA_W

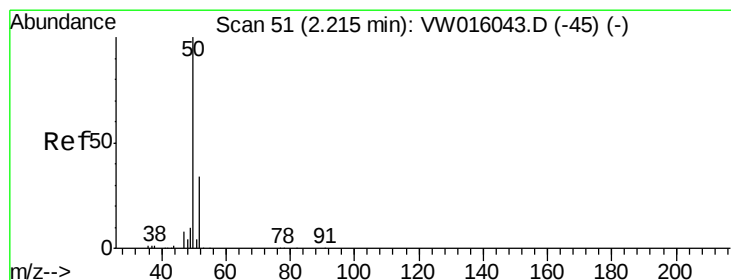
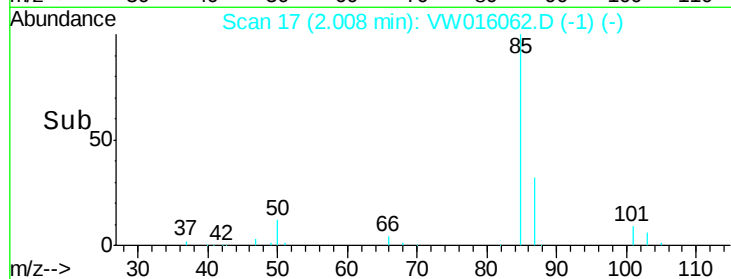
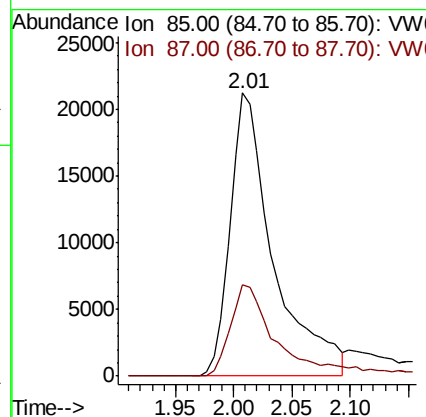
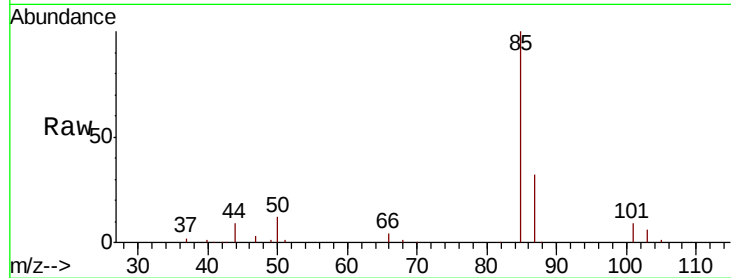
ClientSampleId :

Tot Ion: 85 Resp: 54688

Ion Ratio Lower Upper

85 100

87 31.3 21.0 39.0



#3

Chloromethane

Concen: 20.102 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW016062.D

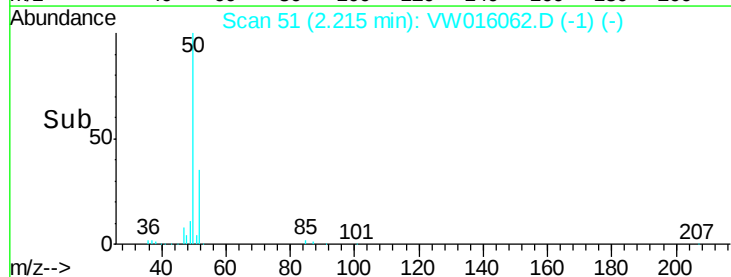
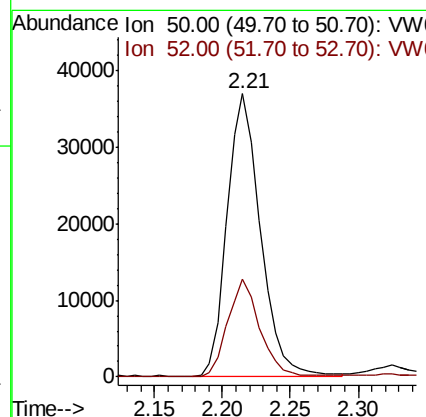
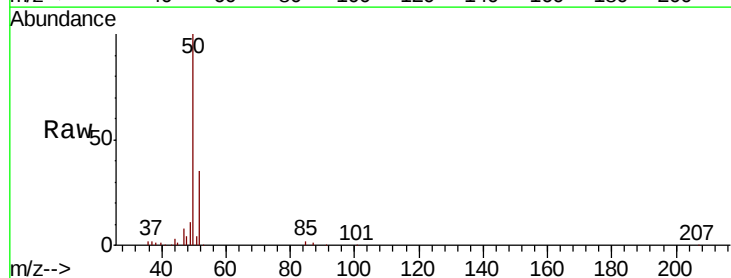
Acq: 07 Aug 2020 08:28

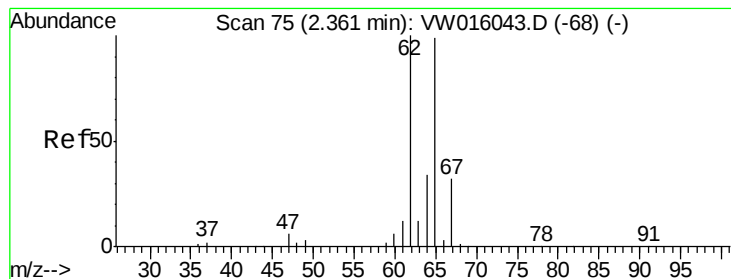
Tgt Ion: 50 Resp: 62925

Ion Ratio Lower Upper

50 100

52 34.6 22.8 42.4





#5

Vinyl chloride

Concen: 20.449 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.01 min

Lab File: VW016062.D

Acq: 07 Aug 2020 08:28

Instrument :

MSVOA_W

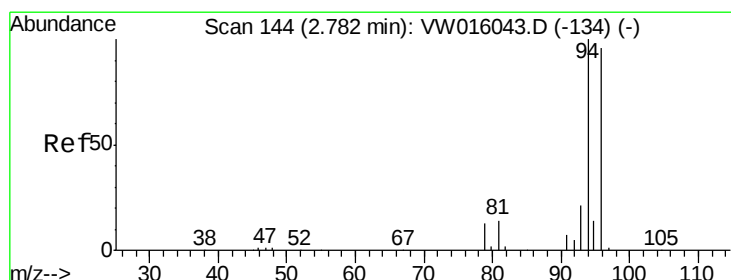
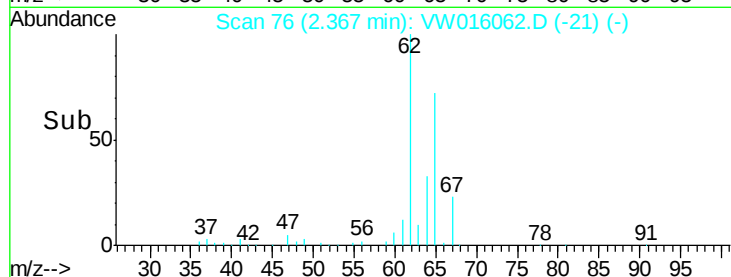
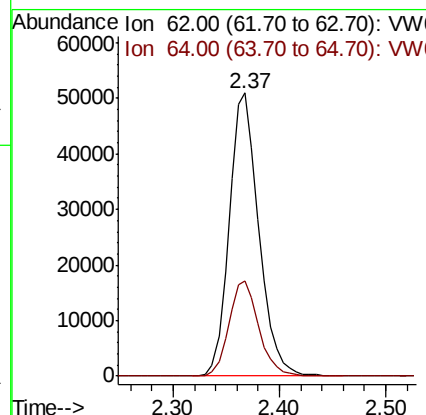
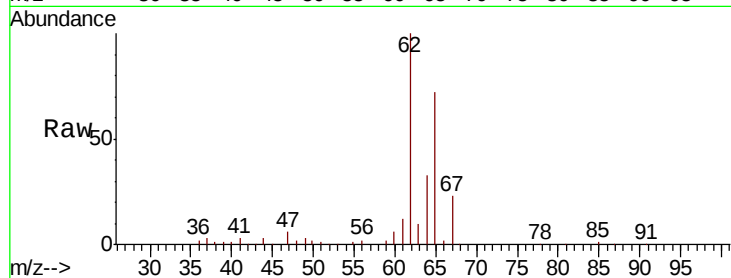
ClientSampled :

Tot Ion: 62 Resp: 98725

Ion Ratio Lower Upper

62 100

64 33.5 23.2 43.0



#6

Bromomethane

Concen: 21.691 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.01 min

Lab File: VW016062.D

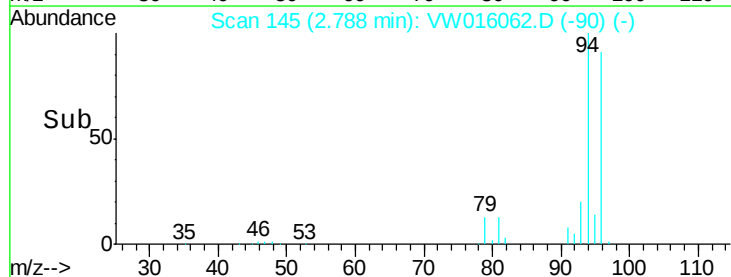
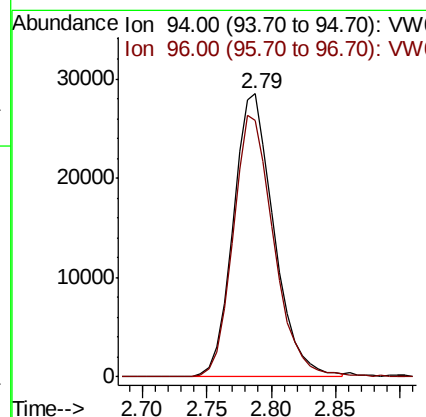
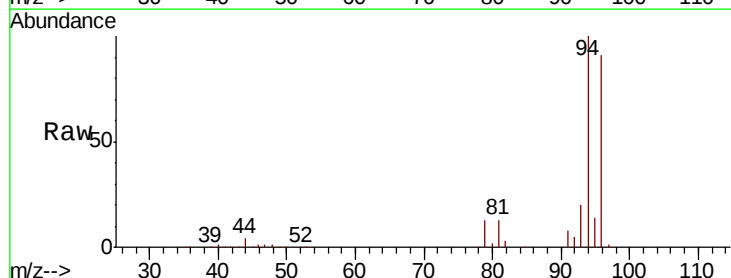
Acq: 07 Aug 2020 08:28

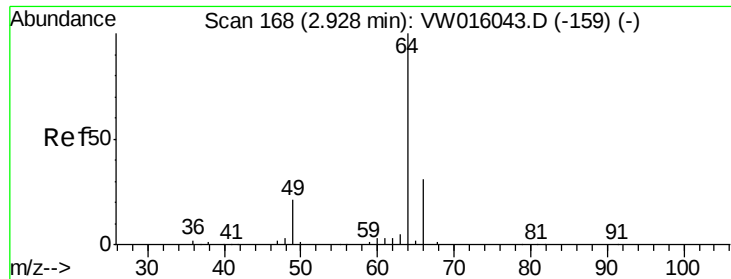
Tgt Ion: 94 Resp: 62477

Ion Ratio Lower Upper

94 100

96 92.7 9.5 180.1





#8

Chloroethane

Concen: 21.573 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW016062.D

Acq: 07 Aug 2020 08:28

Instrument :

MSVOA_W

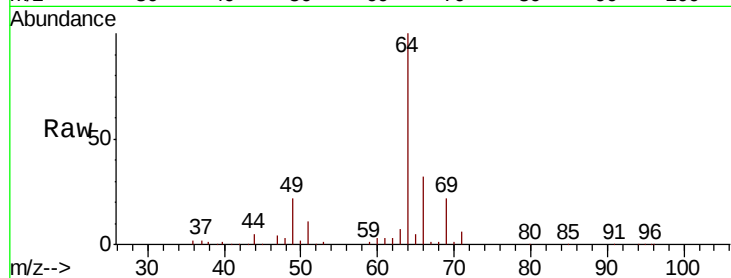
ClientSampled :

Tot Ion: 64 Resp: 61015

Ion Ratio Lower Upper

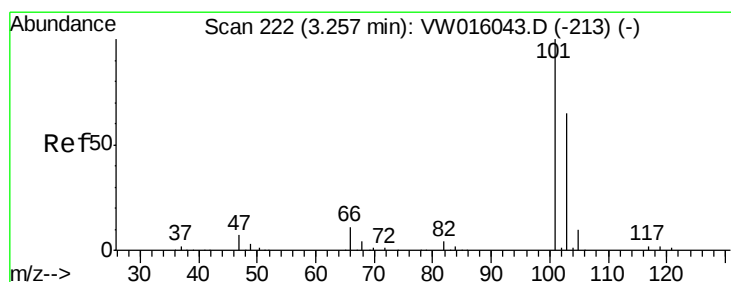
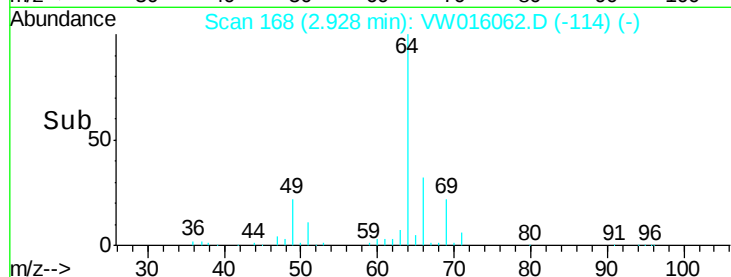
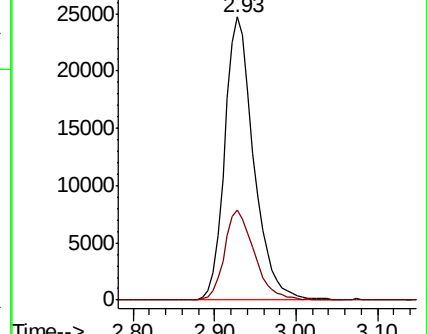
64 100

66 31.7 21.8 40.4



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW



#9

Trichlorofluoromethane

Concen: 27.314 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.01 min

Lab File: VW016062.D

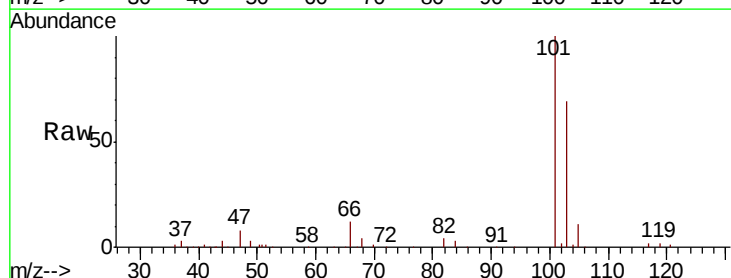
Acq: 07 Aug 2020 08:28

Tgt Ion:101 Resp: 88642

Ion Ratio Lower Upper

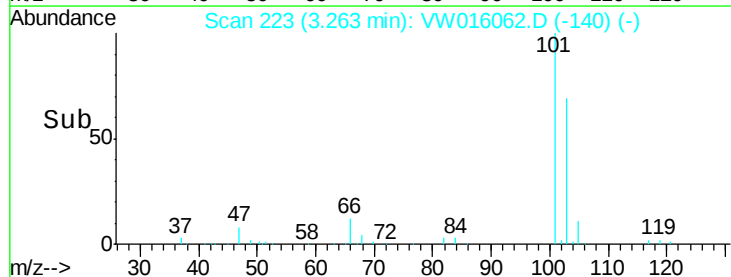
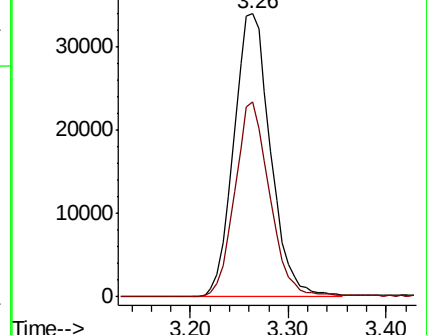
101 100

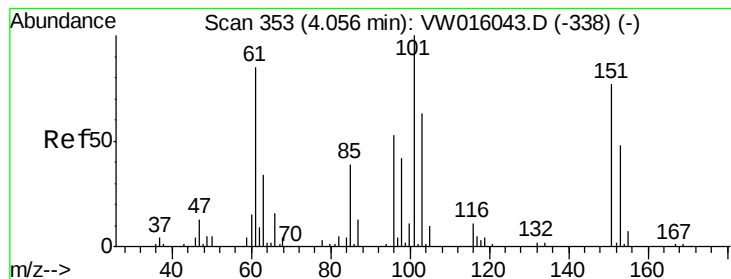
103 65.3 45.8 85.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#11

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

Concen: 26.717 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW016062.D

Acq: 07 Aug 2020 08:28

Instrument :

MSVOA_W

ClientSampled :

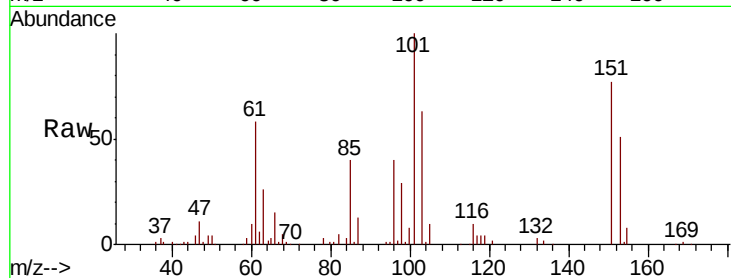
Tot Ion:101 Resp: 105987

Ion Ratio Lower Upper

101 100

85 40.9 35.5 53.3

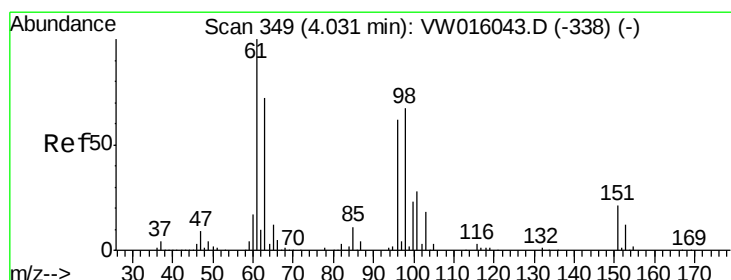
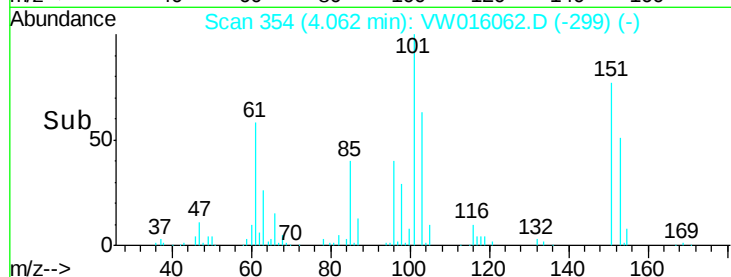
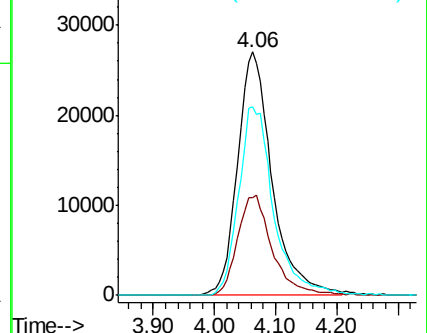
151 78.3 58.4 87.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 25.506 ug/L

RT: 4.03 min Scan# 349

Delta R.T. 0.00 min

Lab File: VW016062.D

Acq: 07 Aug 2020 08:28

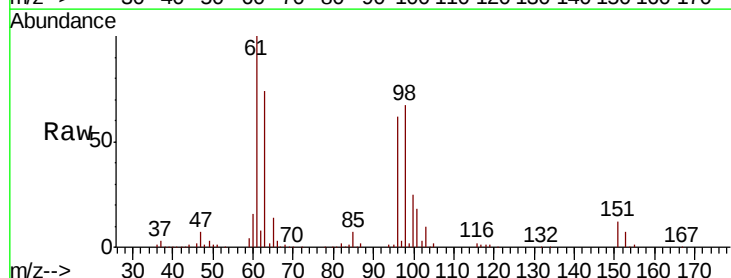
Tgt Ion: 96 Resp: 100285

Ion Ratio Lower Upper

96 100

61 161.2 125.0 232.2

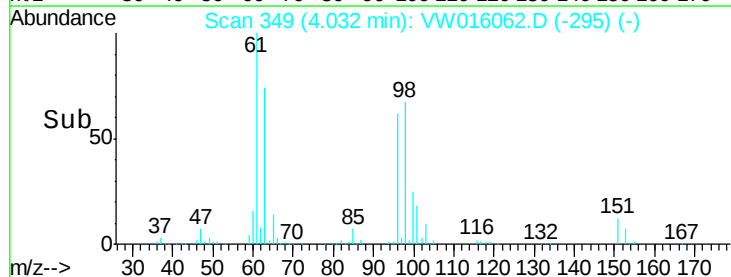
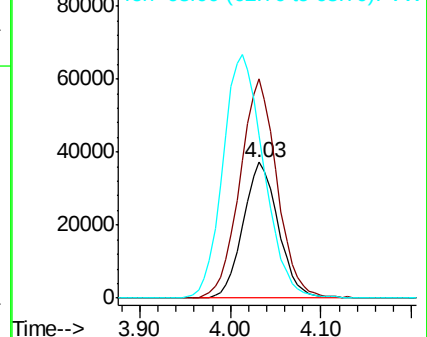
63 119.8 82.3 152.8

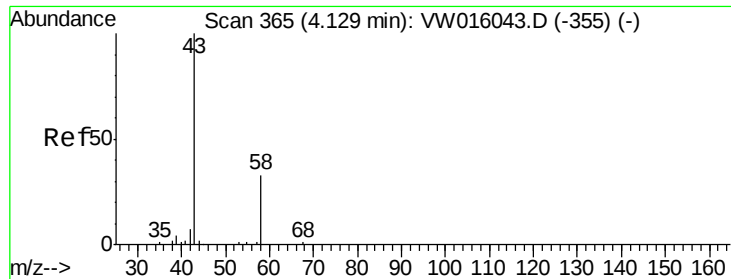


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 45.989 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW016062.D

Acq: 07 Aug 2020 08:28

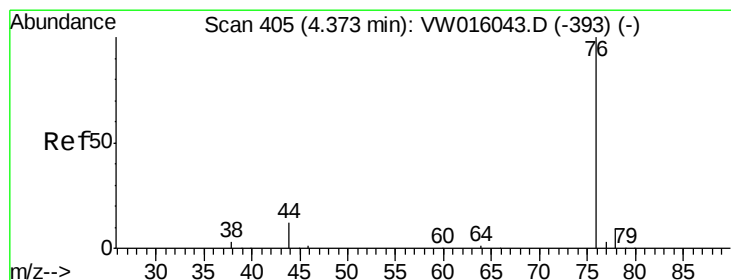
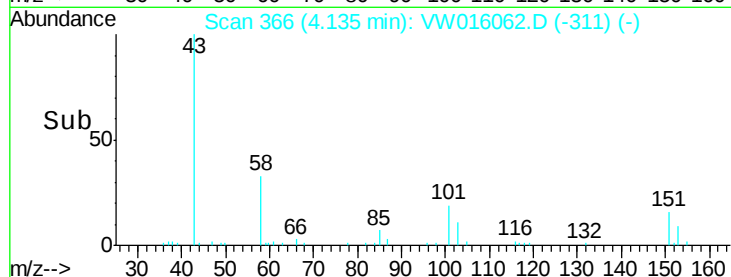
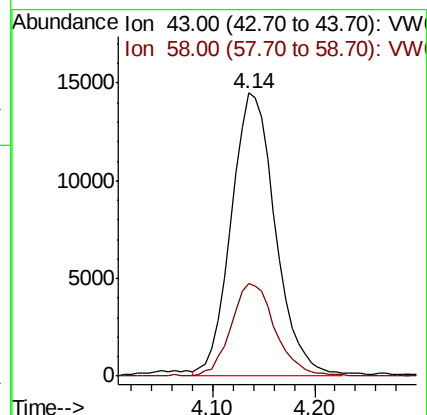
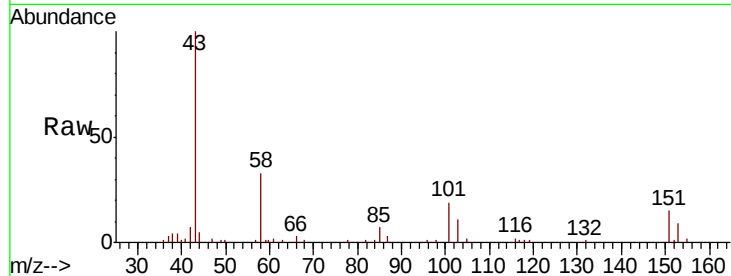
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 43786

Ion Ratio Lower Upper

43 100

58 32.3 0.0 58.2



#14

Carbon disulfide

Concen: 21.515 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW016062.D

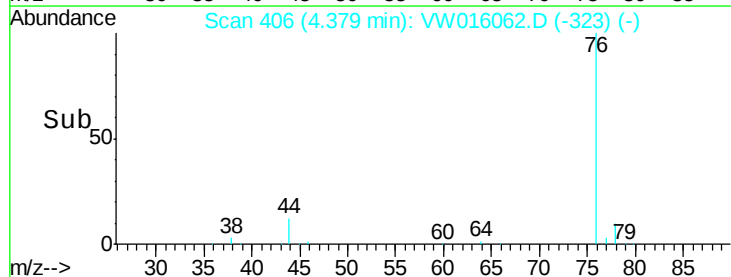
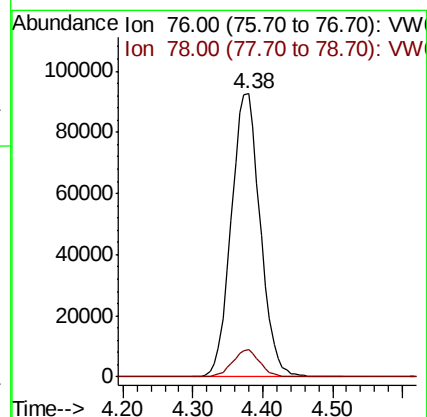
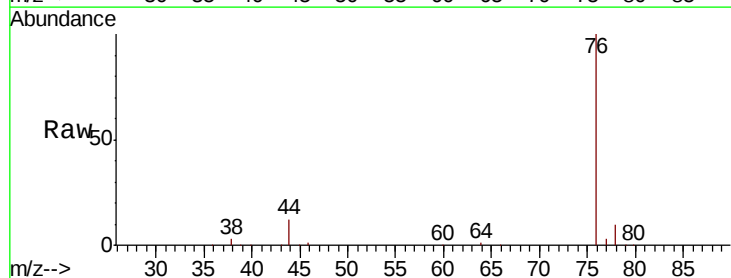
Acq: 07 Aug 2020 08:28

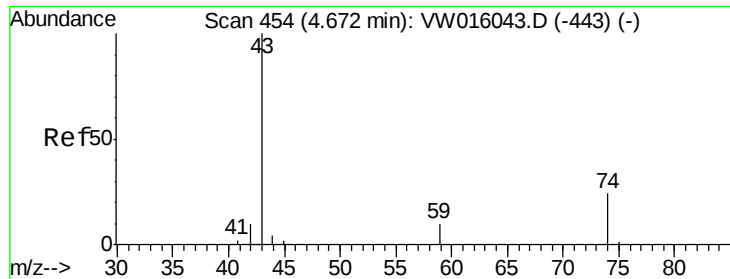
Tgt Ion: 76 Resp: 267163

Ion Ratio Lower Upper

76 100

78 9.6 7.2 10.8

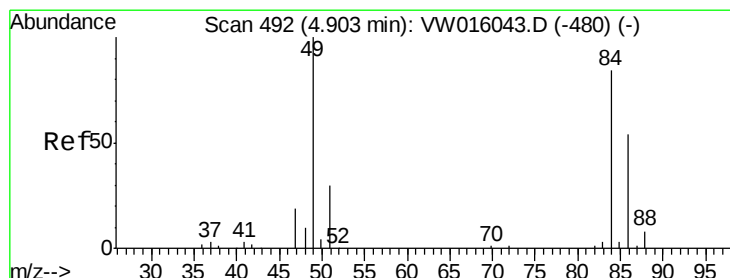
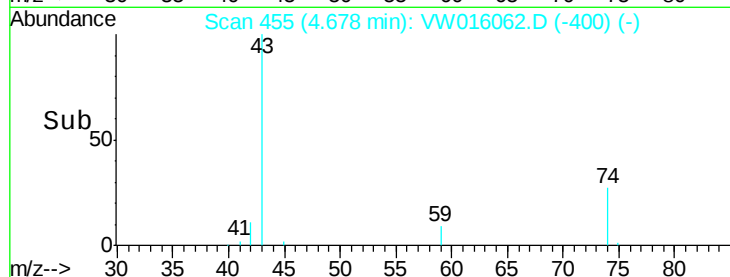
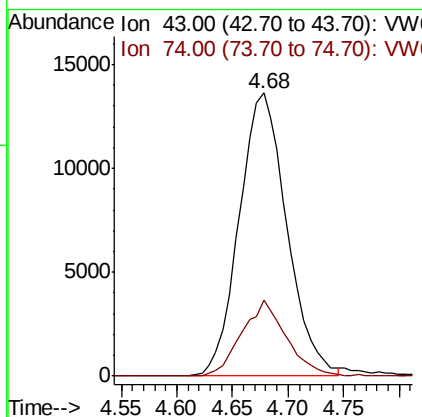
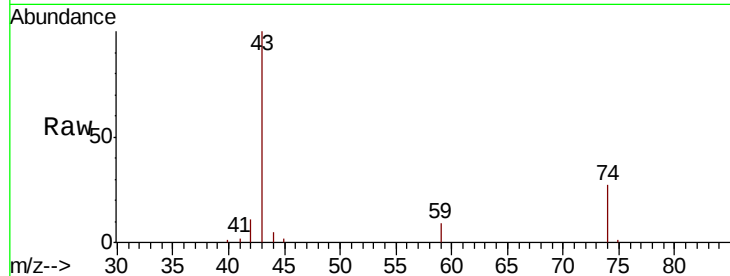




#15
Methyl Acetate
Concen: 22.627 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW016062.D
Acq: 07 Aug 2020 08:28

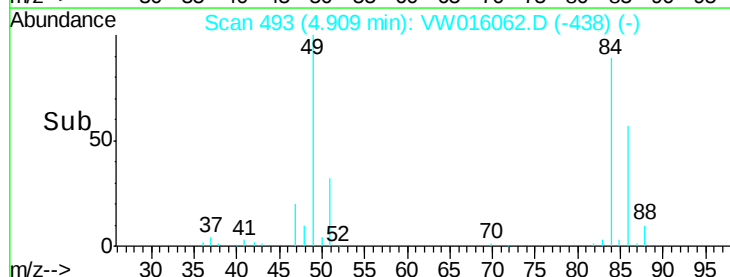
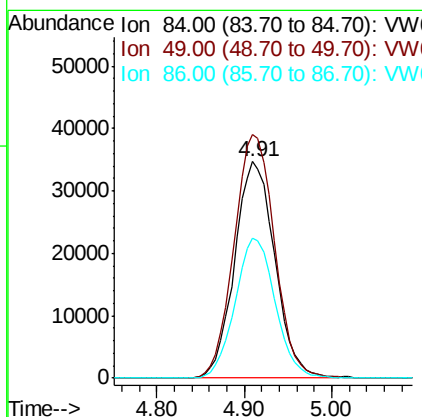
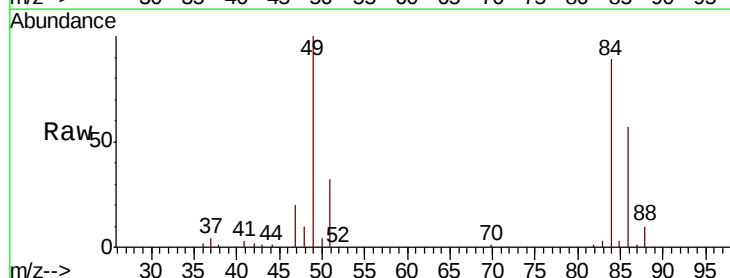
Instrument :
MSVOA_W
ClientSampled :

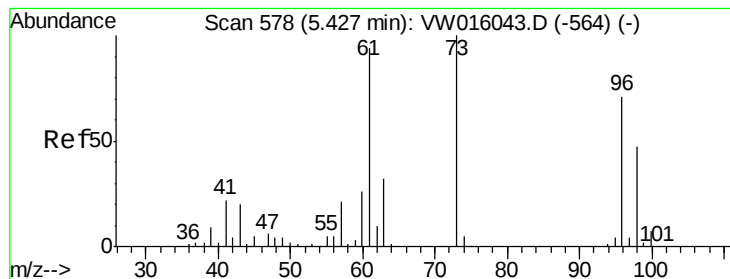
Tot Ion: 43 Resp: 40620
Ion Ratio Lower Upper
43 100
74 24.9 18.2 27.2



#16
Methylene chloride
Concen: 22.203 ug/L
RT: 4.91 min Scan# 493
Delta R.T. 0.01 min
Lab File: VW016062.D
Acq: 07 Aug 2020 08:28

Tgt Ion: 84 Resp: 111279
Ion Ratio Lower Upper
84 100
49 112.4 91.1 169.1
86 64.6 46.0 85.4



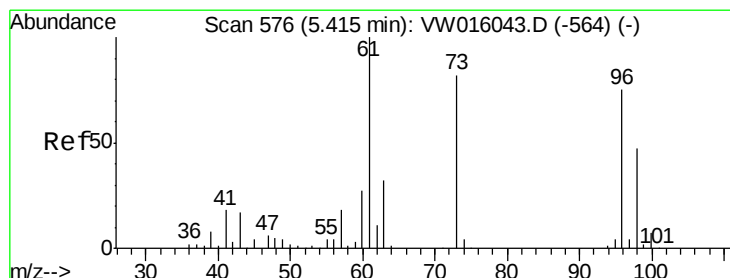
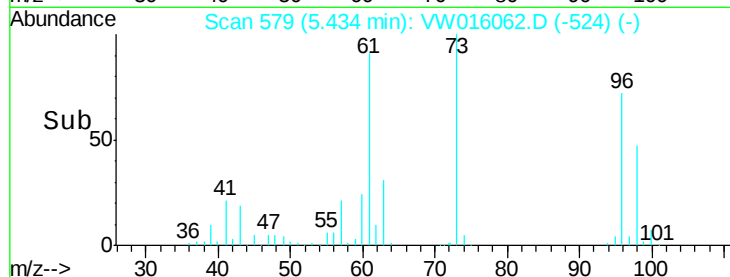
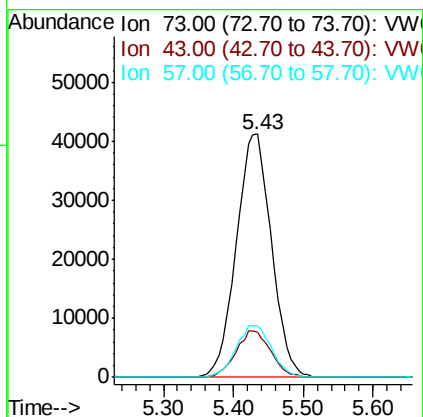
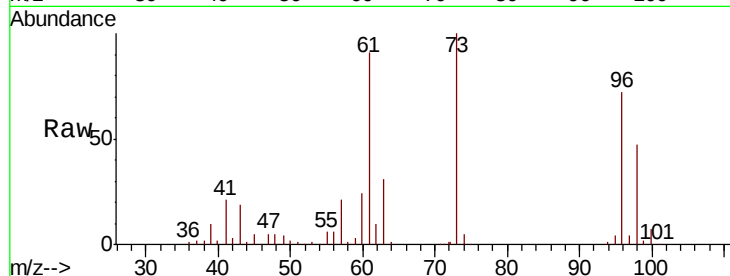


#17

Methvl tert-butvl Ether
 Concen: 25.814 ug/L
 RT: 5.43 min Scan# 579
 Delta R.T. 0.01 min
 Lab File: VW016062.D
 Acq: 07 Aug 2020 08:28

Instrument :
 MSVOA_W
 ClientSampleId :

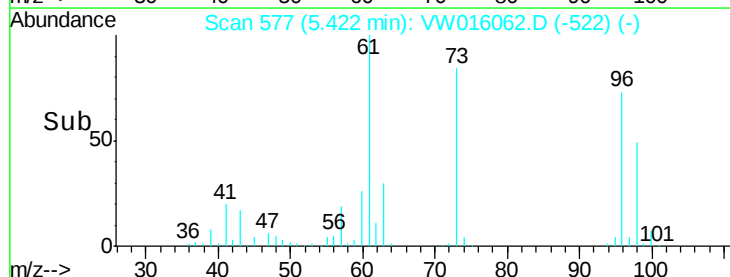
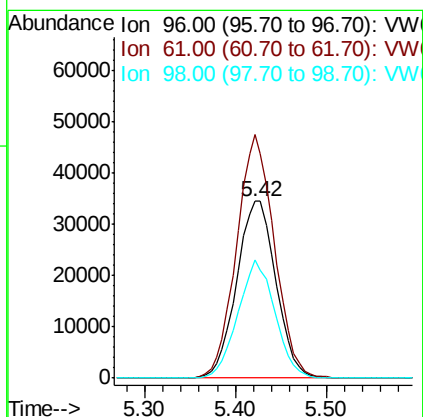
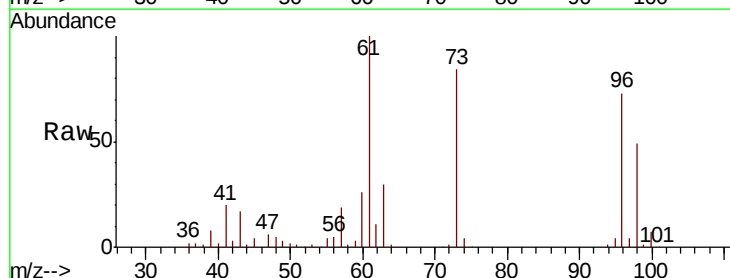
Tot Ion: 73 Resp: 143527
 Ion Ratio Lower Upper
 73 100
 43 19.1 18.4 27.6
 57 21.6 17.8 26.8

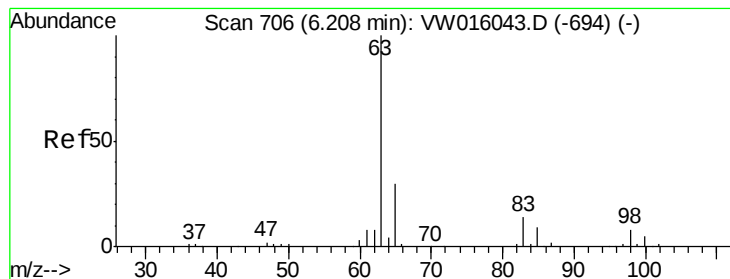


#18

trans-1,2-Dichloroethene
 Concen: 24.967 ug/L
 RT: 5.42 min Scan# 577
 Delta R.T. 0.01 min
 Lab File: VW016062.D
 Acq: 07 Aug 2020 08:28

Tgt Ion: 96 Resp: 103663
 Ion Ratio Lower Upper
 96 100
 61 137.5 99.3 184.5
 98 66.8 42.9 79.7





#19

1,1-Dichloroethane

Concen: 23.990 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW016062.D

Acq: 07 Aug 2020 08:28

Instrument :

MSVOA_W

ClientSampleId :

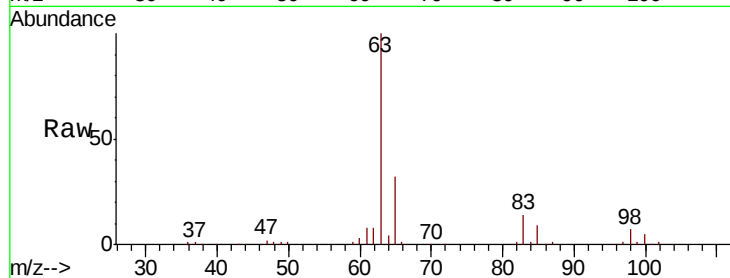
Tot Ion: 63 Resp: 183559

Ion Ratio Lower Upper

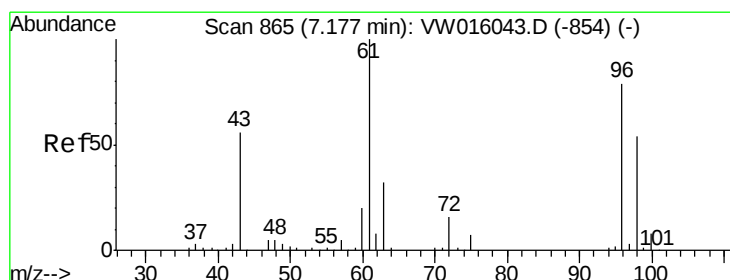
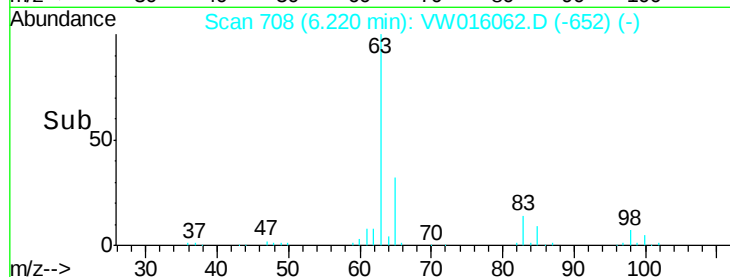
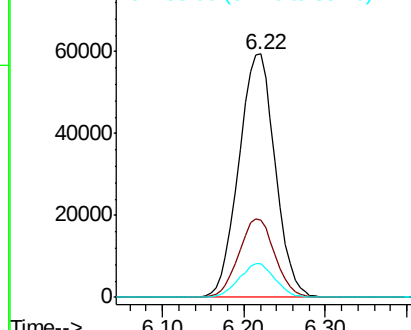
63 100

65 32.0 22.2 41.2

83 13.7 9.8 18.2



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



#21

2-Butanone

Concen: 48.417 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW016062.D

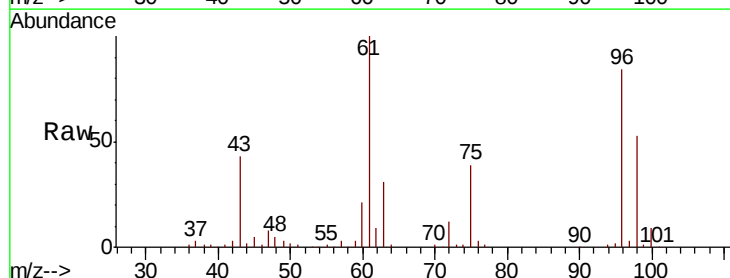
Acq: 07 Aug 2020 08:28

Tgt Ion: 43 Resp: 57003

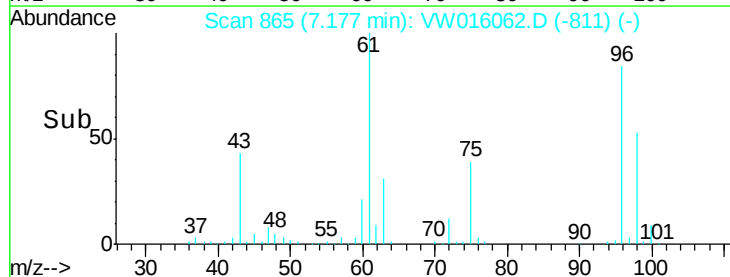
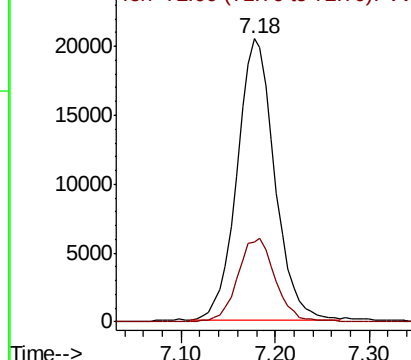
Ion Ratio Lower Upper

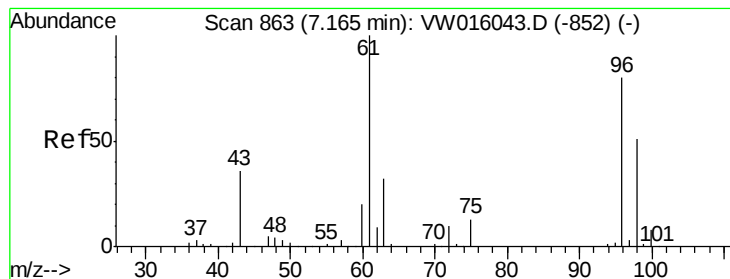
43 100

72 29.6 13.9 41.7



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



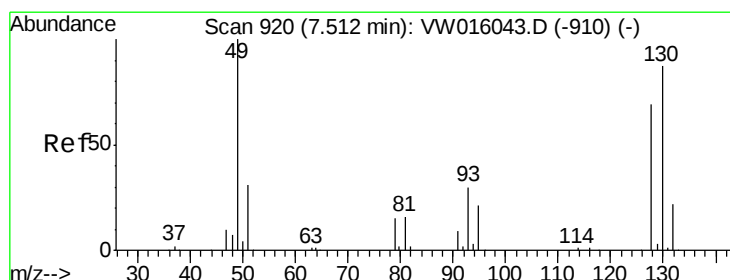
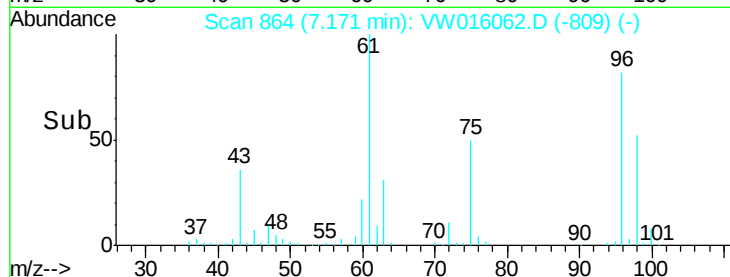
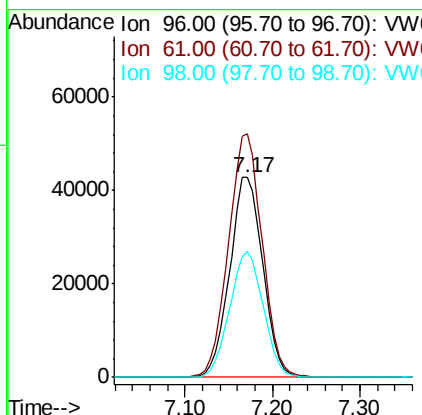
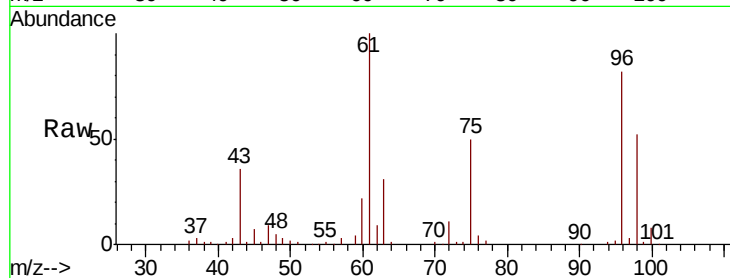


#22

cis-1,2-Dichloroethene
Concen: 25.961 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW016062.D
Acq: 07 Aug 2020 08:28

Instrument :
MSVOA_W
ClientSampled :

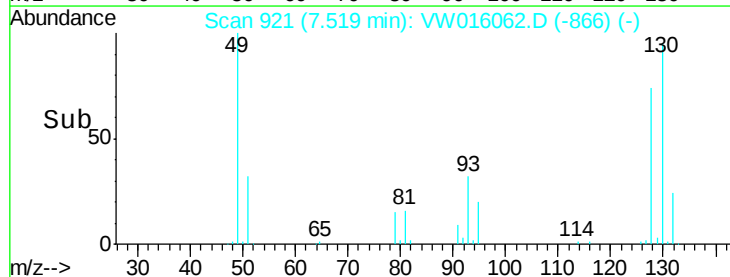
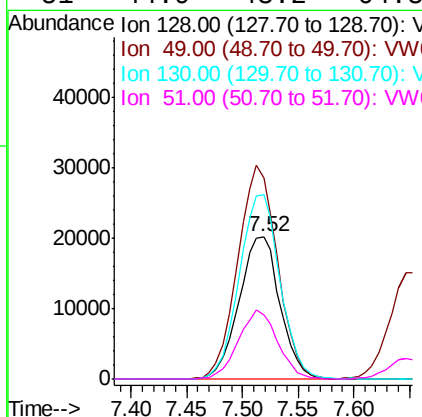
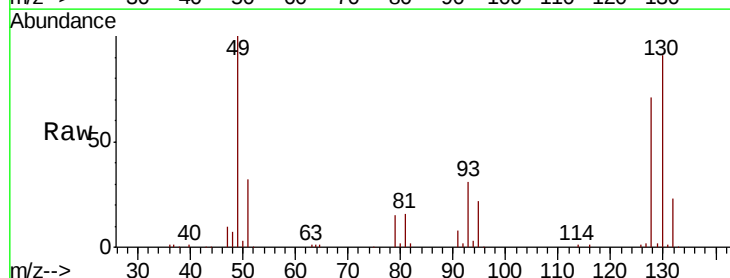
Tot Ion: 96 Resp: 112774
Ion Ratio Lower Upper
96 100
61 122.0 94.6 175.8
98 63.1 44.3 82.3

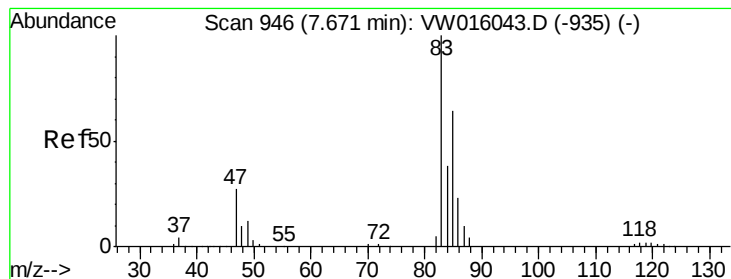


#23

Bromochloromethane
Concen: 27.026 ug/L
RT: 7.52 min Scan# 921
Delta R.T. 0.01 min
Lab File: VW016062.D
Acq: 07 Aug 2020 08:28

Tgt Ion: 128 Resp: 51481
Ion Ratio Lower Upper
128 100
49 141.6 122.4 227.2
130 129.5 93.9 174.5
51 44.9 43.2 64.8





#25

Chloroform

Concen: 25.427 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.01 min

Lab File: VW016062.D

Acq: 07 Aug 2020 08:28

Instrument :

MSVOA_W

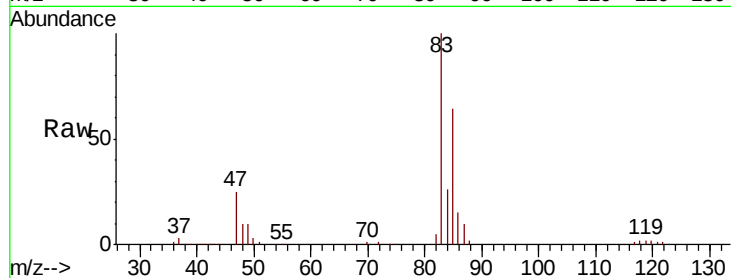
ClientSampled :

Tot Ion: 83 Resp: 192814

Ion Ratio Lower Upper

83 100

85 65.6 46.5 86.5



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

7.68

80000

60000

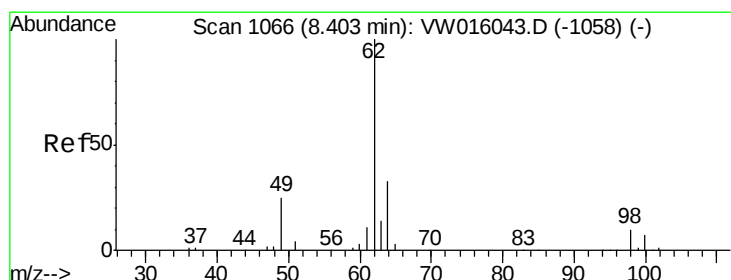
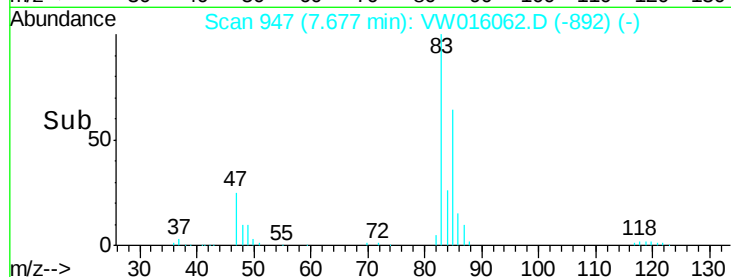
40000

20000

0

Time-->

7.60 7.70 7.80



#27

1,2-Dichloroethane

Concen: 22.409 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW016062.D

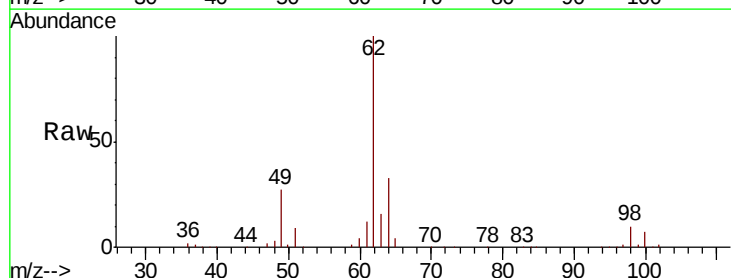
Acq: 07 Aug 2020 08:28

Tgt Ion: 62 Resp: 115627

Ion Ratio Lower Upper

62 100

98 9.7 7.0 10.6



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW

8.40

60000

50000

40000

30000

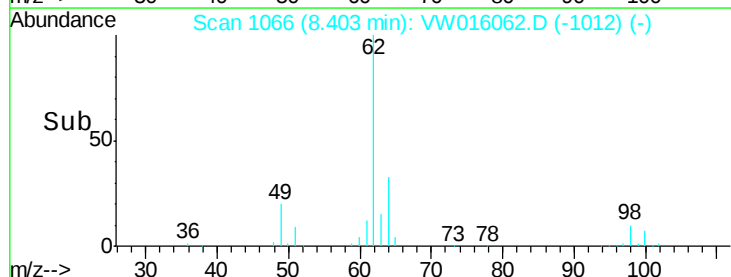
20000

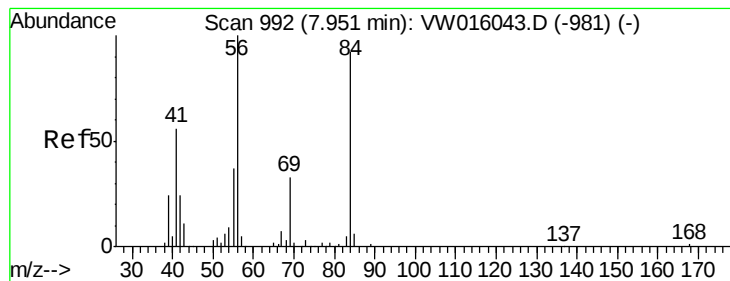
10000

0

Time-->

8.30 8.35 8.40 8.45 8.50





#30

Cyclohexane

Concen: 22.210 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW016062.D

Acq: 07 Aug 2020 08:28

Instrument :

MSVOA_W

ClientSampled :

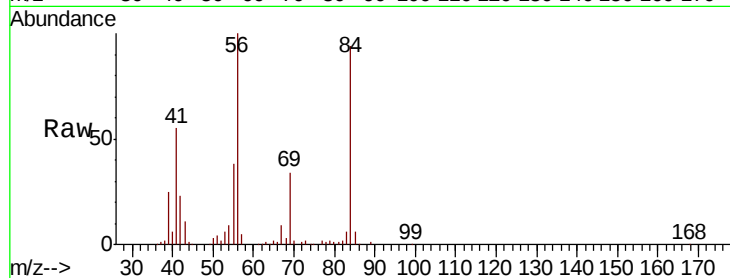
Tot Ion: 56 Resp: 158182

Ion Ratio Lower Upper

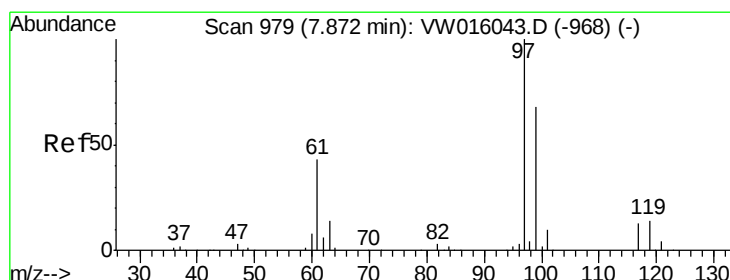
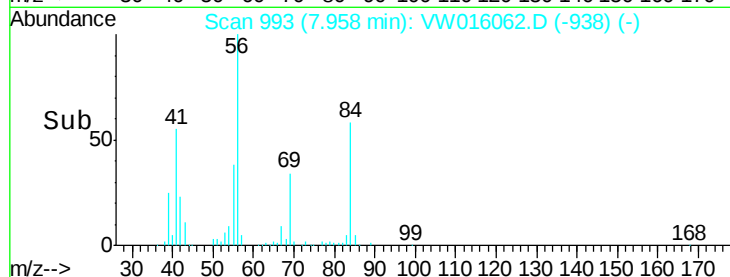
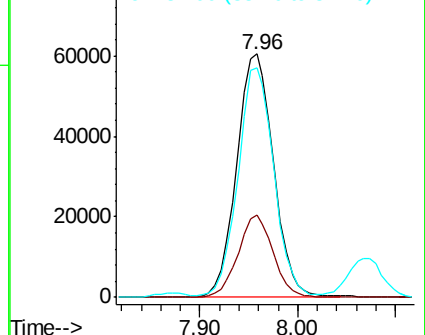
56 100

69 32.2 24.4 36.6

84 91.8 69.3 103.9



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: 25.319 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW016062.D

Acq: 07 Aug 2020 08:28

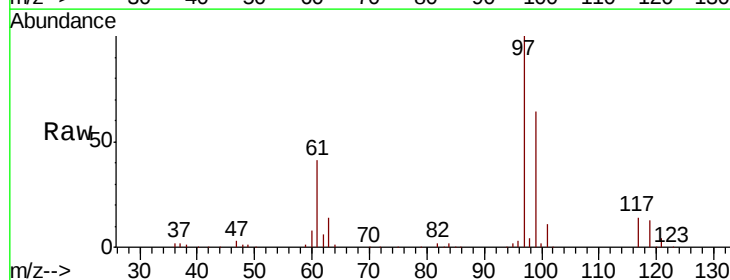
Tgt Ion: 97 Resp: 166991

Ion Ratio Lower Upper

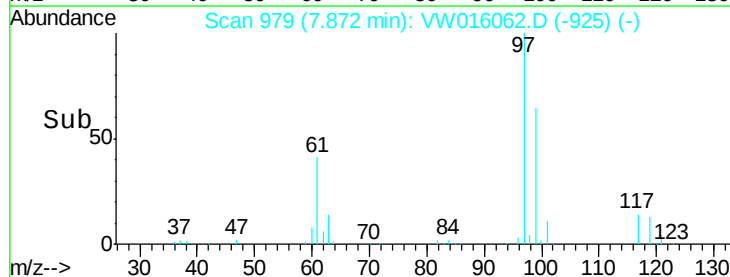
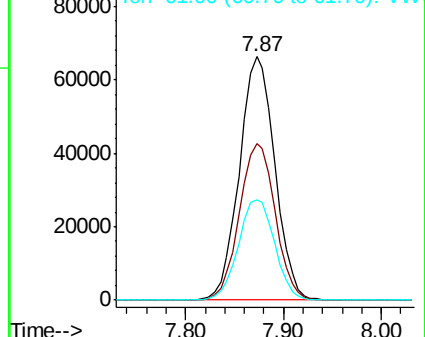
97 100

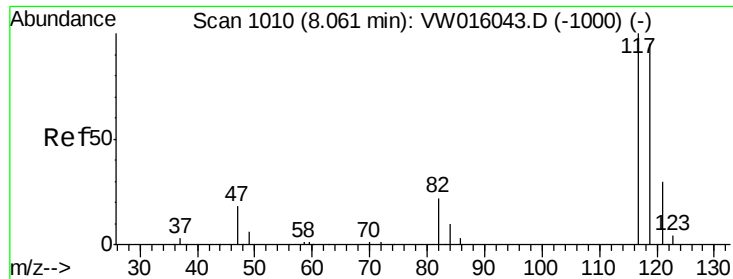
99 65.0 51.9 77.9

61 42.3 37.6 56.4



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: 26.308 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.01 min

Lab File: VW016062.D

Acq: 07 Aug 2020 08:28

Instrument :

MSVOA_W

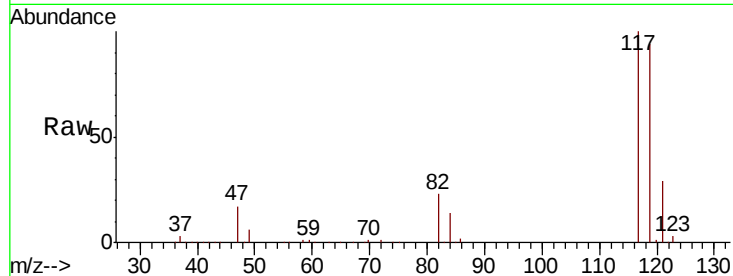
ClientSampleId :

Tot Ion:117 Resp: 157341

Ion Ratio Lower Upper

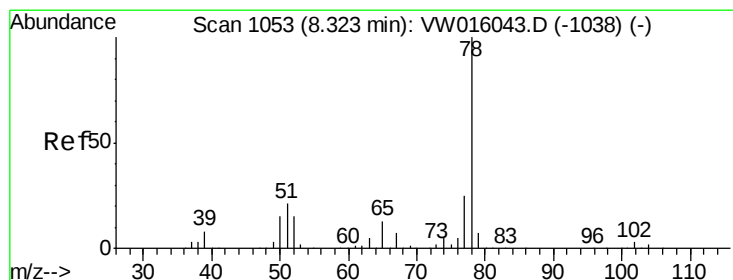
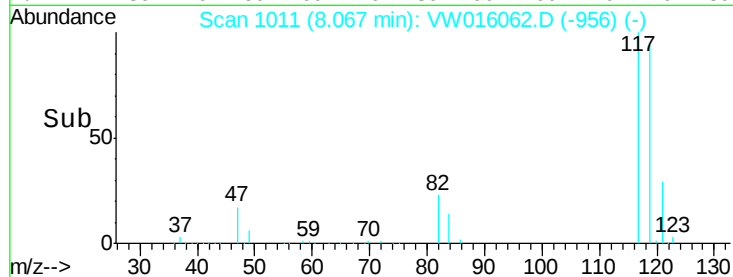
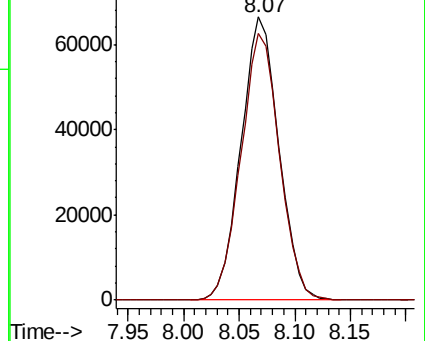
117 100

119 95.7 76.4 114.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 24.576 ug/L

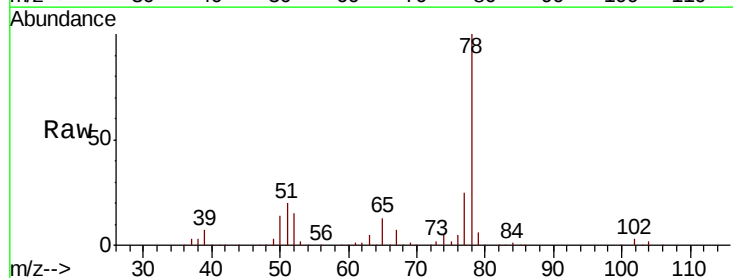
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

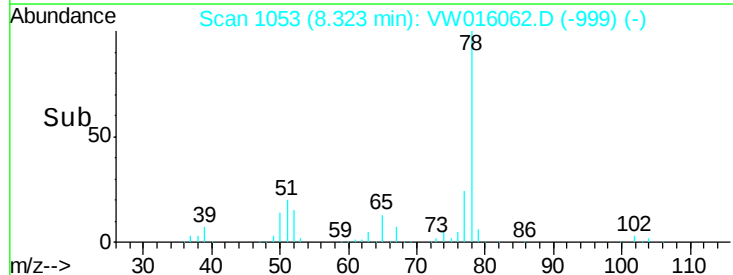
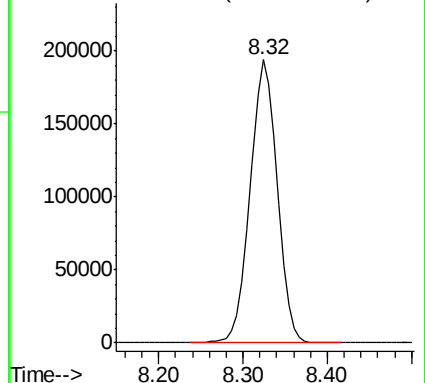
Lab File: VW016062.D

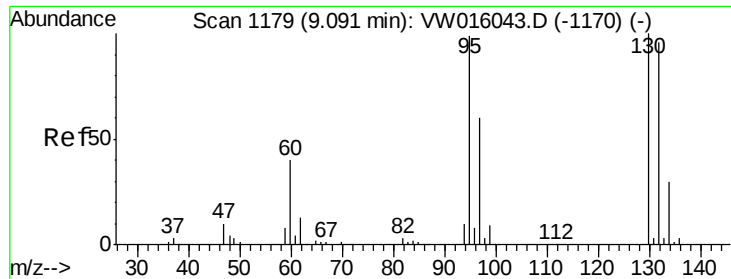
Acq: 07 Aug 2020 08:28

Tgt Ion: 78 Resp: 421614



Abundance Ion 78.00 (77.70 to 78.70): VW

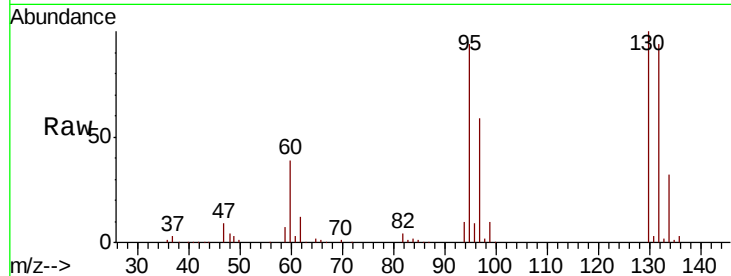




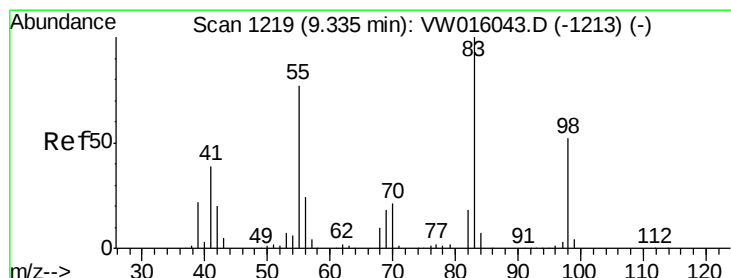
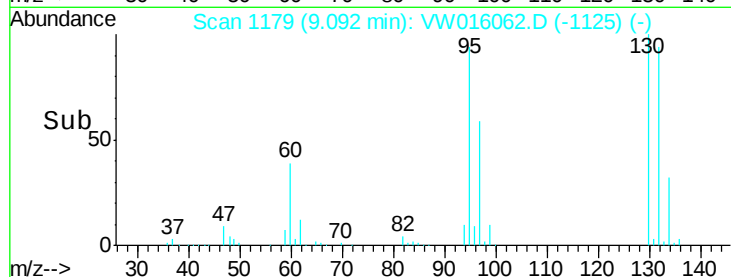
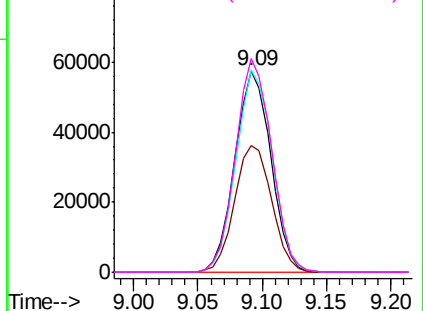
#35
 Trichloroethene
 Concen: 24.651 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW016062.D
 Acq: 07 Aug 2020 08:28

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:	95	Resp:	111869
Ion	Ratio	Lower	Upper
95	100		
97	64.7	44.4	82.4
132	100.8	65.1	120.9
130	106.0	68.6	127.4

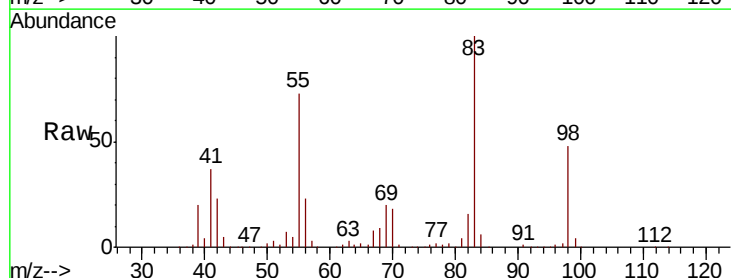


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

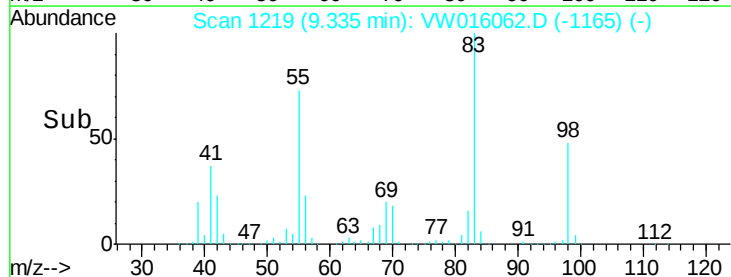
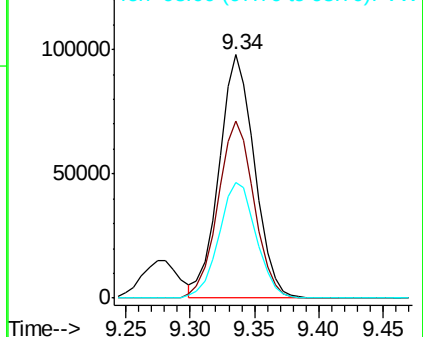


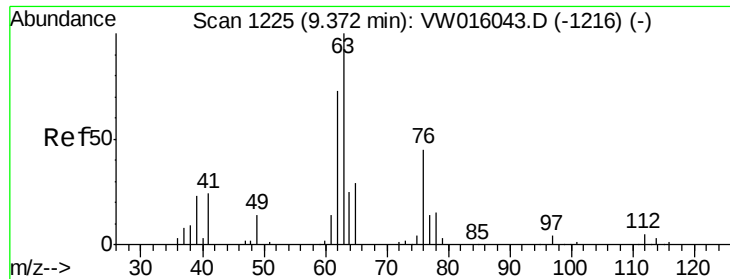
#36
 Methylcyclohexane
 Concen: 24.208 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW016062.D
 Acq: 07 Aug 2020 08:28

Tgt Ion:	83	Resp:	188504
Ion	Ratio	Lower	Upper
83	100		
55	74.1	63.5	95.3
98	50.0	39.0	58.4



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

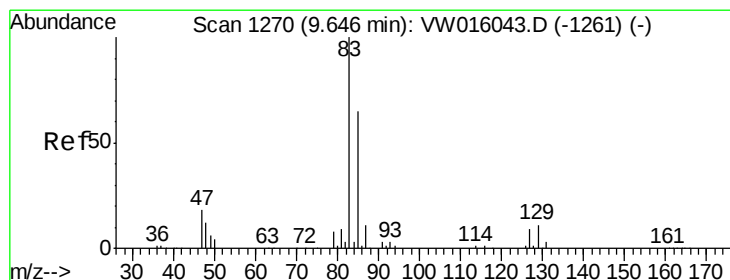
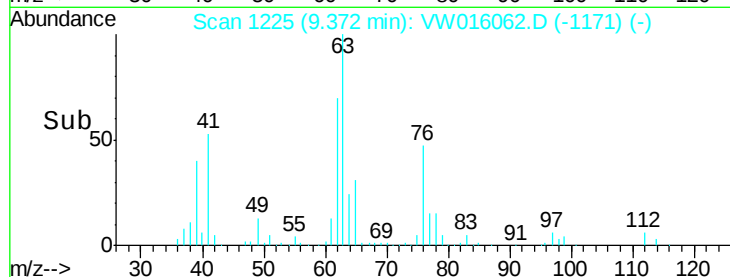
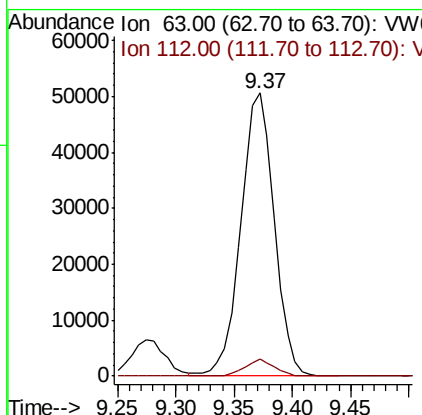
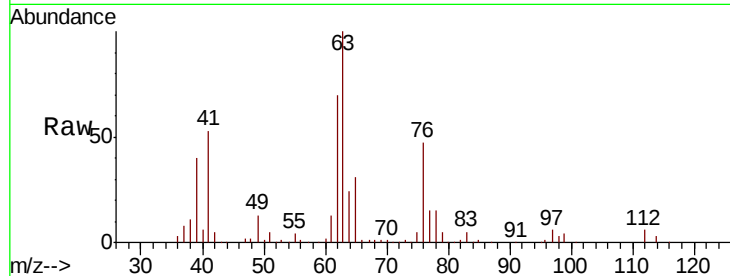




#40
 1,2-Dichloropropane
 Concen: 23.905 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW016062.D
 Acq: 07 Aug 2020 08:28

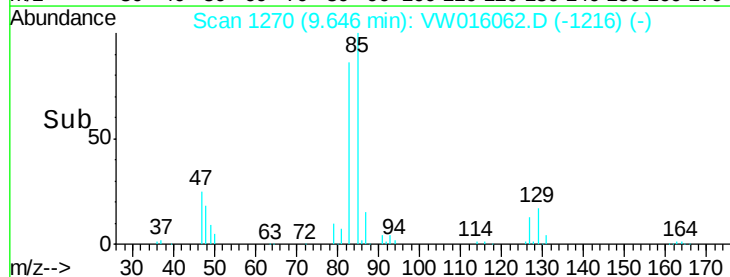
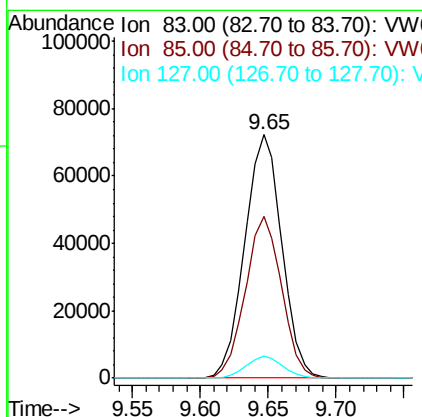
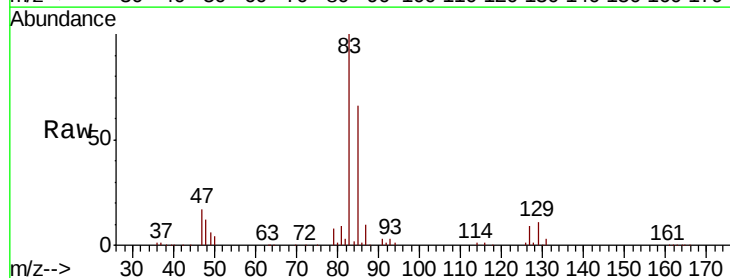
Instrument :
 MSVOA_W
 ClientSampleId :

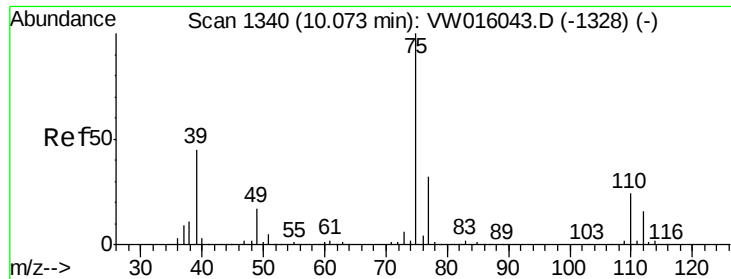
Tot Ion: 63 Resp: 101594
 Ion Ratio Lower Upper
 63 100
 112 5.3 3.7 5.5



#41
 Bromodichloromethane
 Concen: 25.120 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW016062.D
 Acq: 07 Aug 2020 08:28

Tgt Ion: 83 Resp: 137870
 Ion Ratio Lower Upper
 83 100
 85 66.4 43.7 81.1
 127 8.9 6.5 9.7





#42

cis-1,3-Dichloropropene

Concen: 24.650 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW016062.D

Acq: 07 Aug 2020 08:28

Instrument :

MSVOA_W

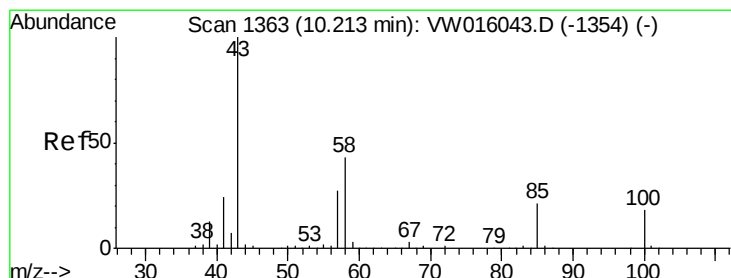
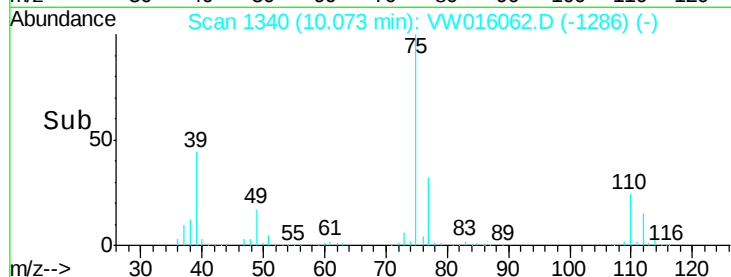
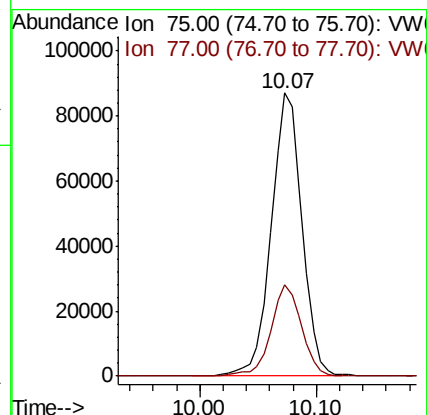
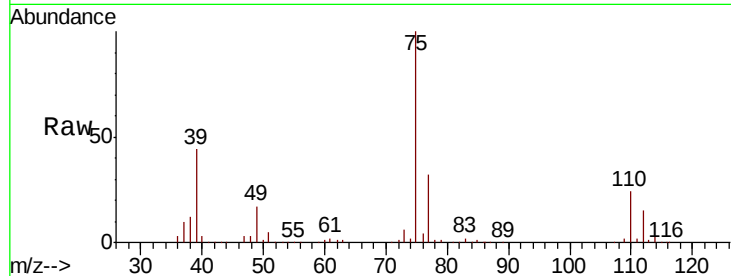
ClientSampleId :

Tot Ion: 75 Resp: 159554

Ion Ratio Lower Upper

75 100

77 32.3 22.2 41.2



#43

4-Methyl-2-pentanone

Concen: 47.487 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW016062.D

Acq: 07 Aug 2020 08:28

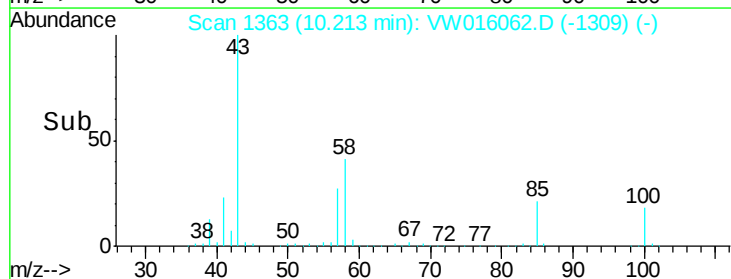
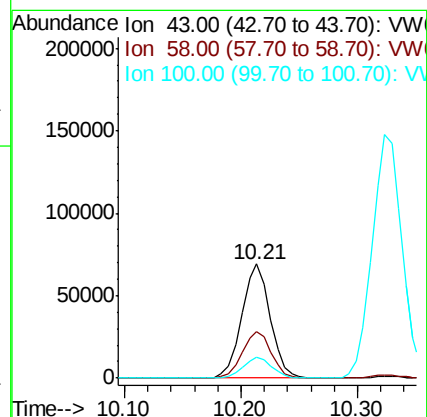
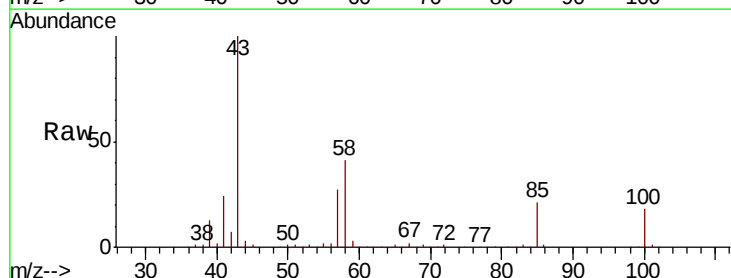
Tgt Ion: 43 Resp: 117799

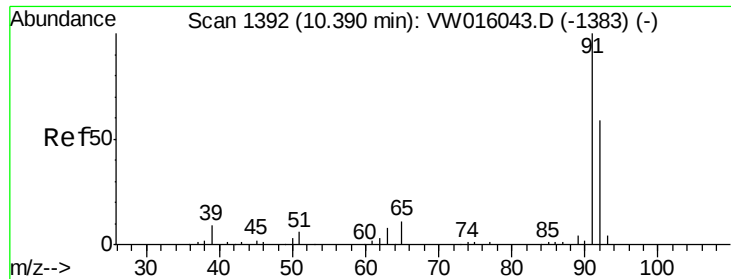
Ion Ratio Lower Upper

43 100

58 41.5 31.0 46.4

100 18.2 12.6 19.0





#44

Toluene

Concen: 25.621 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016062.D

Acq: 07 Aug 2020 08:28

Instrument :

MSVOA_W

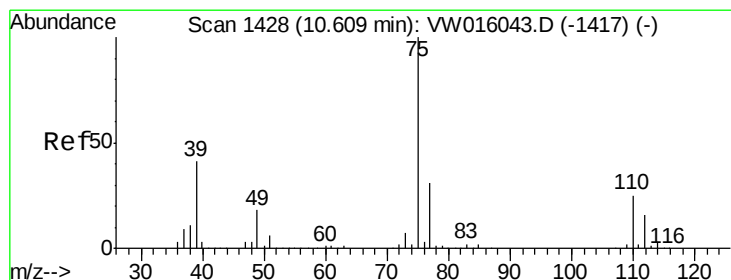
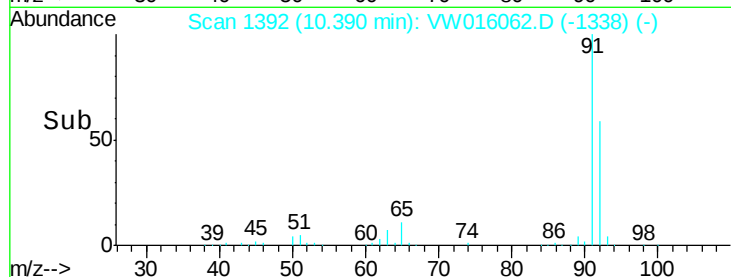
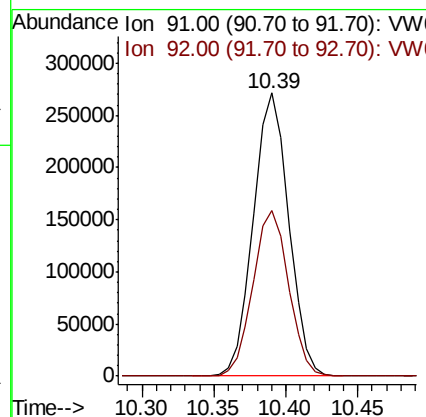
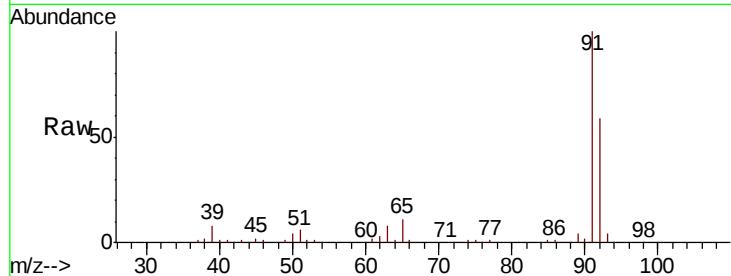
ClientSampled :

Tot Ion: 91 Resp: 461001

Ion Ratio Lower Upper

91 100

92 58.5 41.2 76.4



#45

trans-1,3-Dichloropropene

Concen: 24.905 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW016062.D

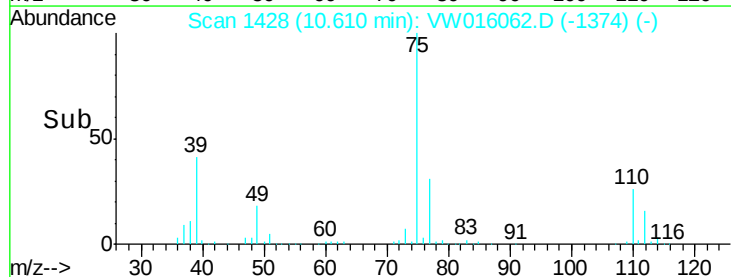
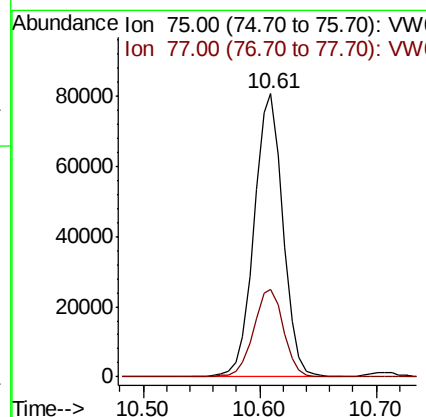
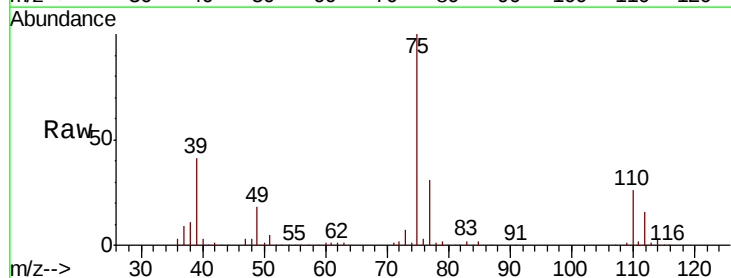
Acq: 07 Aug 2020 08:28

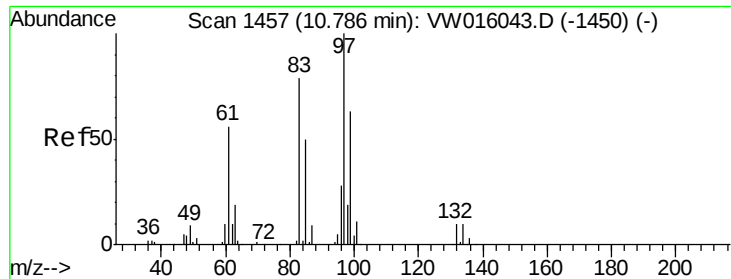
Tgt Ion: 75 Resp: 139725

Ion Ratio Lower Upper

75 100

77 31.0 22.5 41.9





#46

1,1,2-Trichloroethane

Concen: 26.604 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW016062.D

Acq: 07 Aug 2020 08:28

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 81305

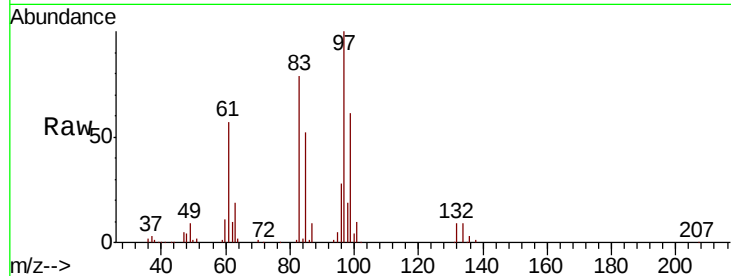
Ion Ratio Lower Upper

97 100

83 79.4 60.6 112.6

85 52.2 38.9 72.2

99 61.4 43.1 80.1

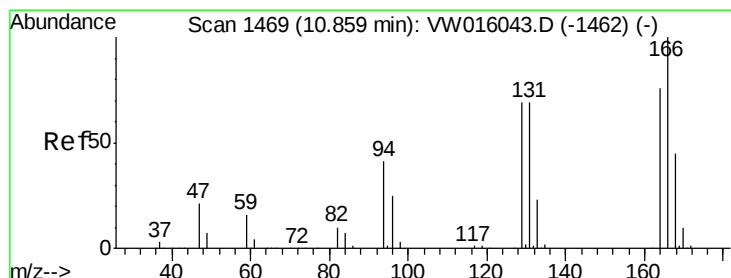
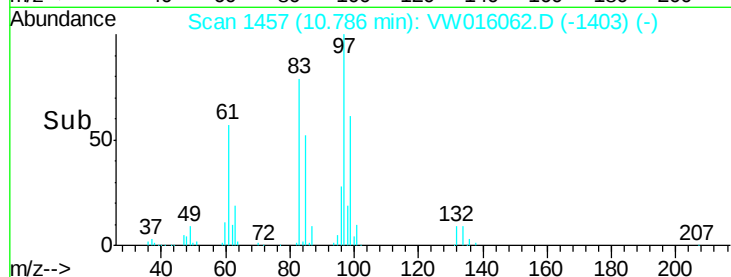
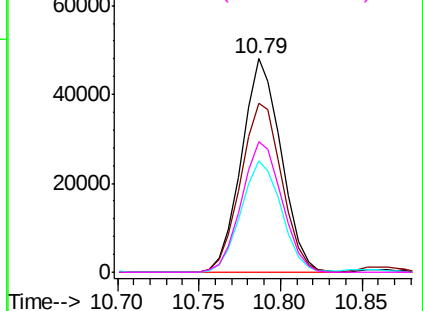


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 27.129 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VW016062.D

Acq: 07 Aug 2020 08:28

Tgt Ion: 164 Resp: 95564

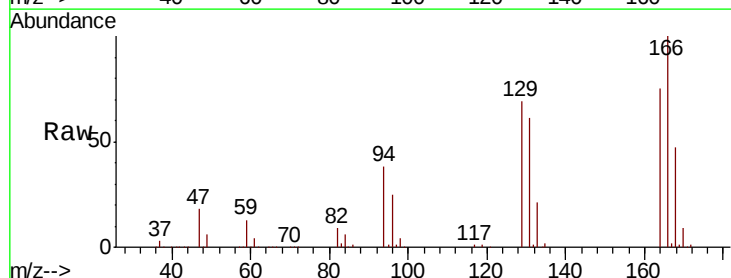
Ion Ratio Lower Upper

164 100

129 92.4 70.0 130.0

131 81.7 67.3 124.9

166 133.1 88.5 164.3

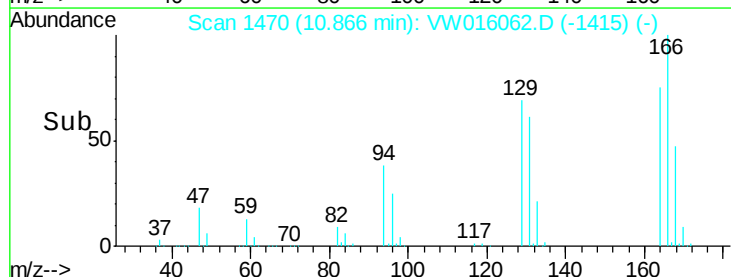
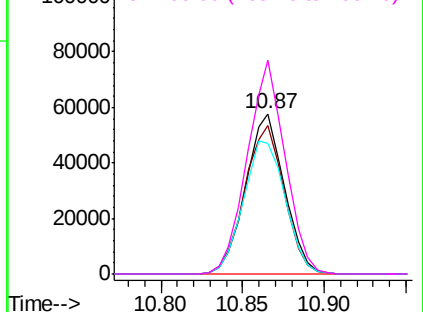


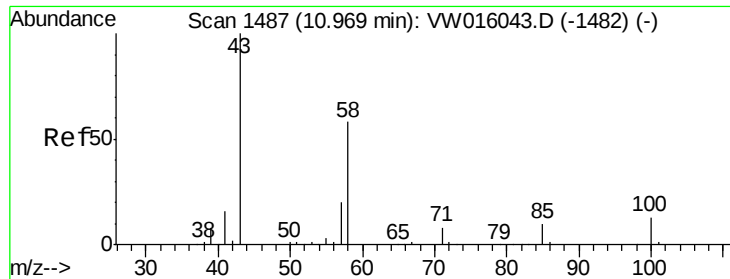
Abundance Ion 164.00 (163.70 to 164.70): V

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: 47.441 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW016062.D

Acq: 07 Aug 2020 08:28

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 83513

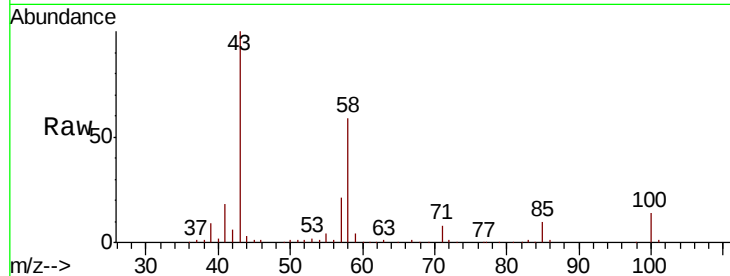
Ion Ratio Lower Upper

43 100

58 58.1 42.4 63.6

57 20.2 15.6 23.4

100 14.4 9.8 14.6

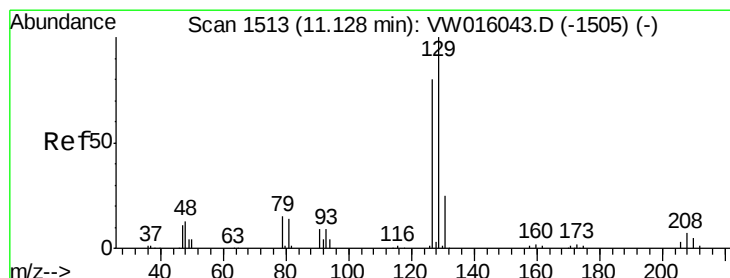
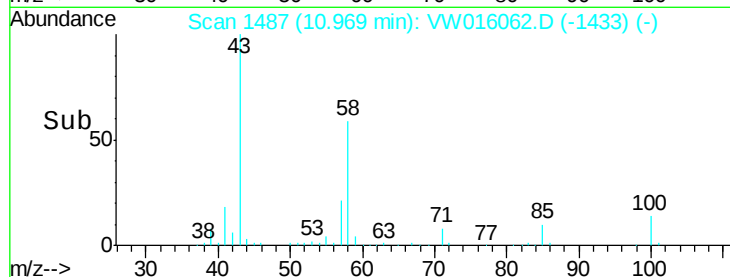
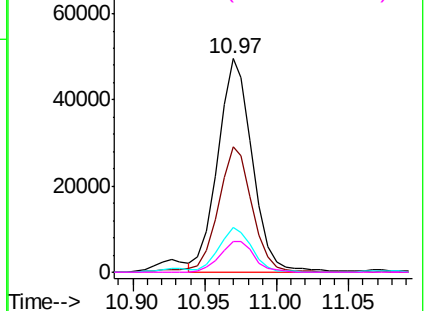


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 27.944 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW016062.D

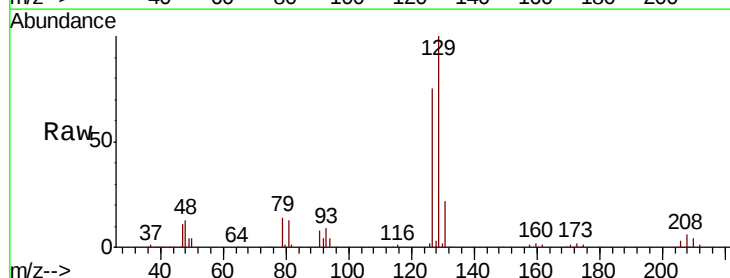
Acq: 07 Aug 2020 08:28

Tgt Ion: 129 Resp: 98871

Ion Ratio Lower Upper

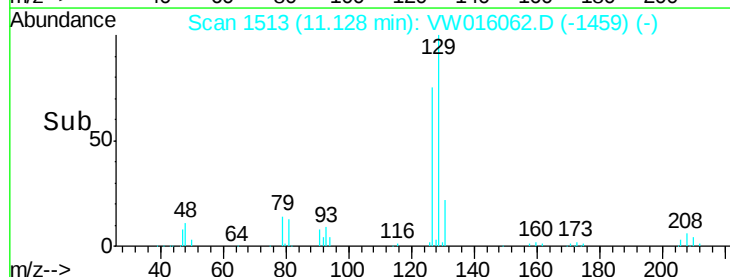
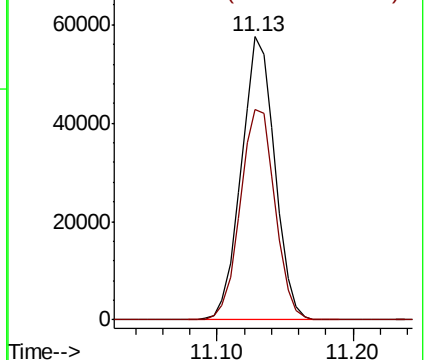
129 100

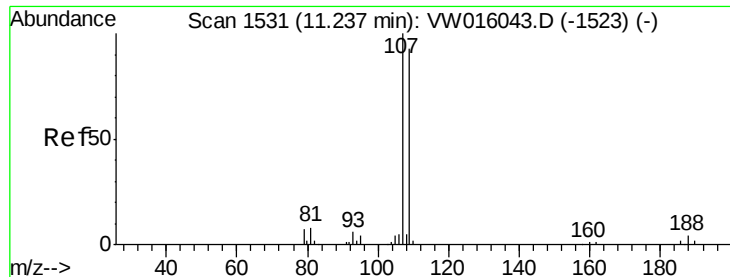
127 74.5 53.8 100.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

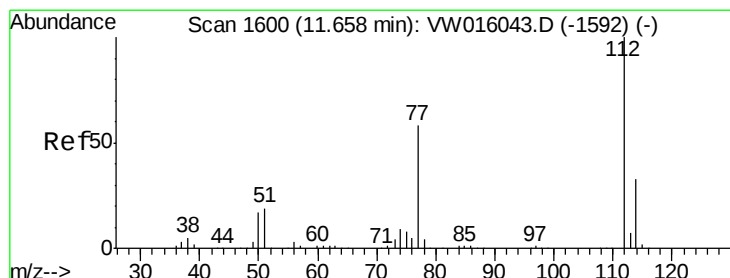
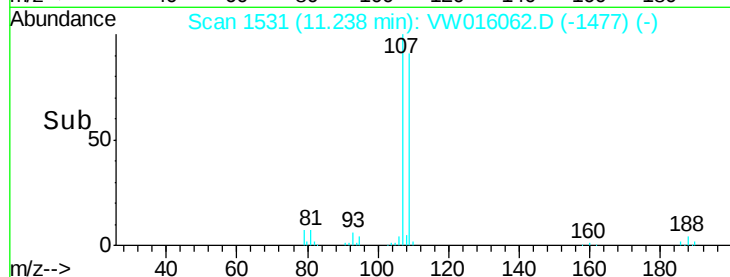
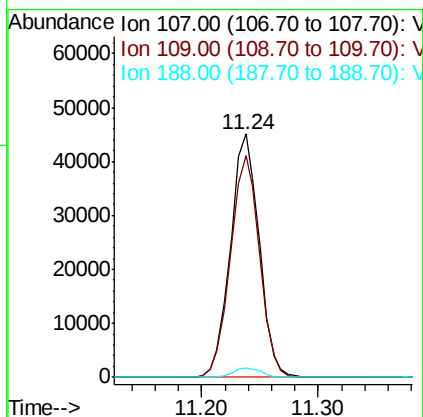
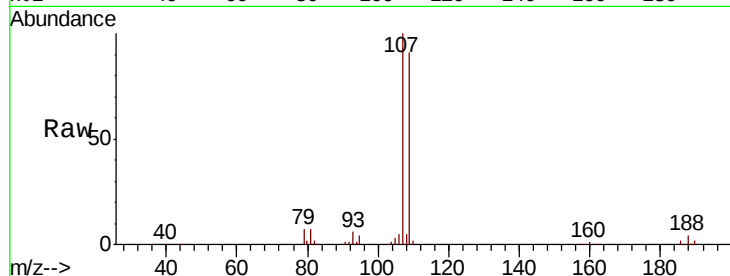




#51
 1,2-Dibromoethane
 Concen: 26.466 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW016062.D
 Acq: 07 Aug 2020 08:28

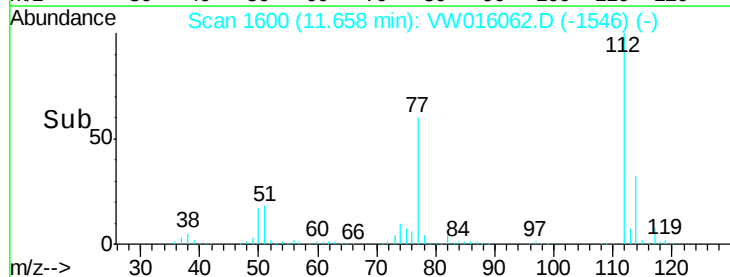
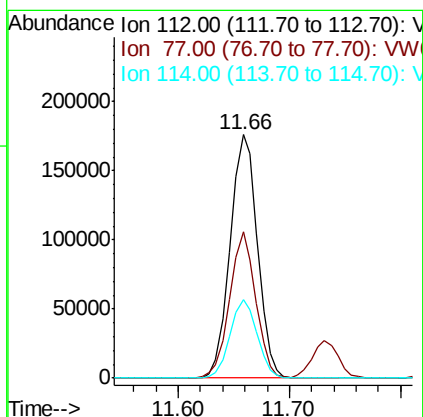
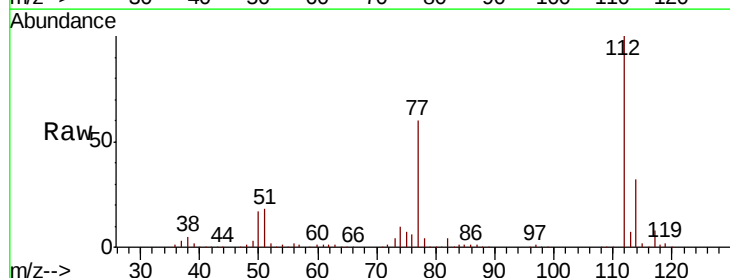
Instrument :
 MSVOA_W
 ClientSampleId :

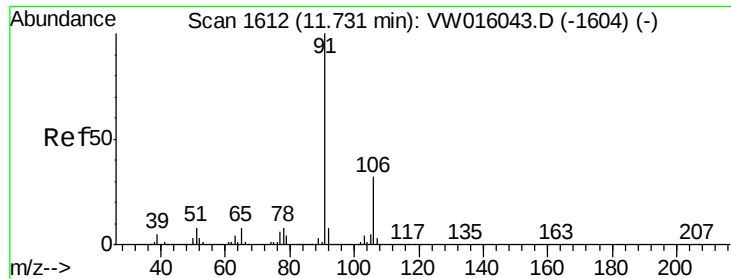
Tot Ion:107 Resp: 77377
 Ion Ratio Lower Upper
 107 100
 109 91.2 66.9 124.3
 188 3.9 3.2 4.8



#52
 Chlorobenzene
 Concen: 25.855 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW016062.D
 Acq: 07 Aug 2020 08:28

Tgt Ion:112 Resp: 298100
 Ion Ratio Lower Upper
 112 100
 77 60.2 47.8 71.6
 114 32.1 22.1 41.1

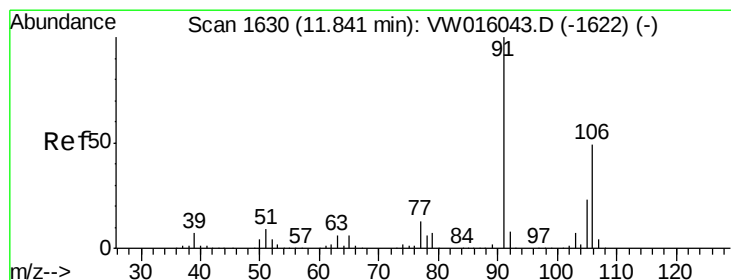
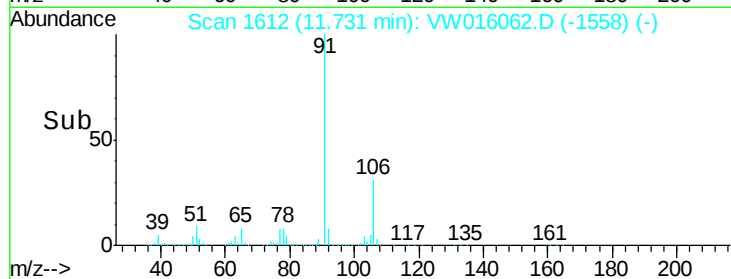
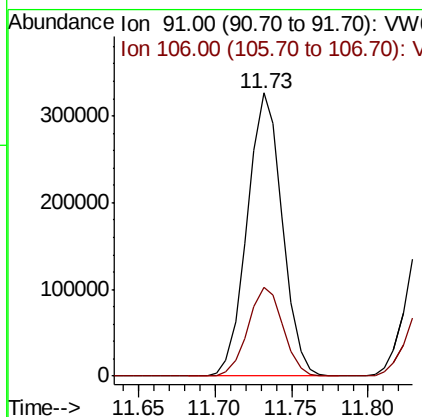
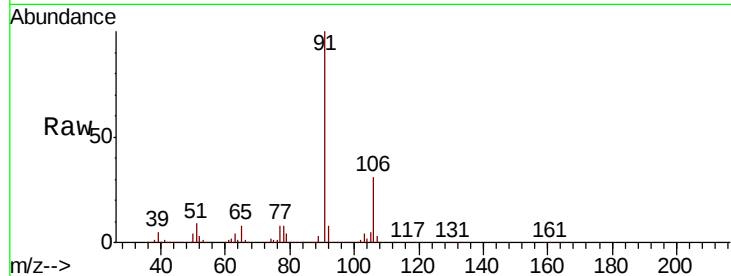




#53
Ethylbenzene
Concen: 25.709 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW016062.D
Acq: 07 Aug 2020 08:28

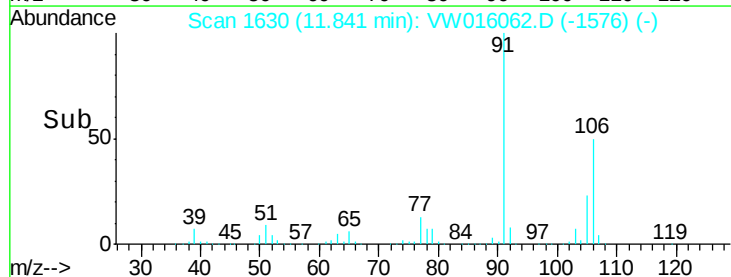
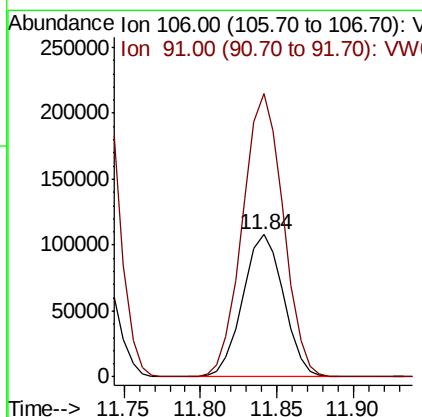
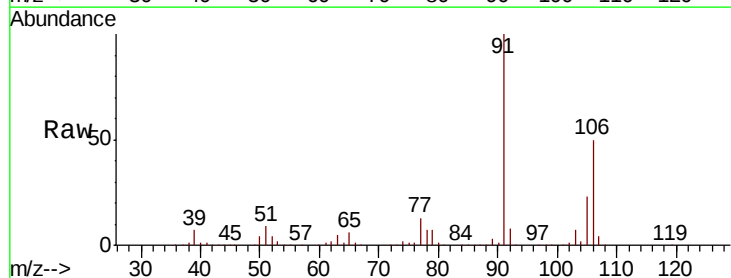
Instrument :
MSVOA_W
ClientSampleId :

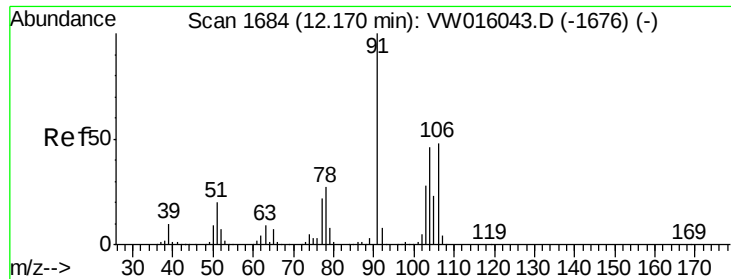
Tot Ion: 91 Resp: 520169
Ion Ratio Lower Upper
91 100
106 31.4 22.4 41.6



#54
m,p-Xylene
Concen: 26.483 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW016062.D
Acq: 07 Aug 2020 08:28

Tgt Ion: 106 Resp: 200465
Ion Ratio Lower Upper
106 100
91 199.1 144.1 267.5

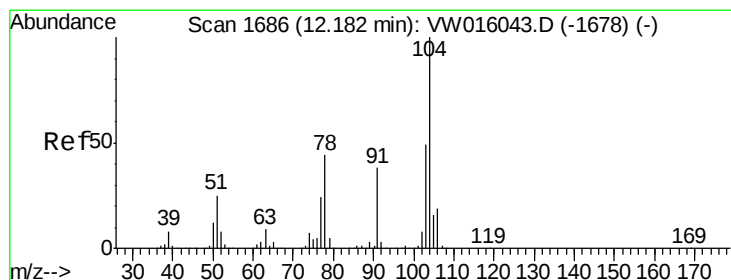
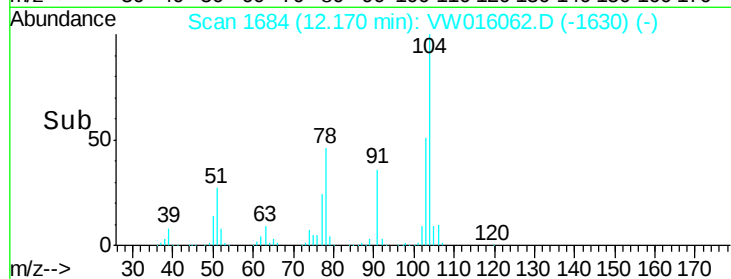
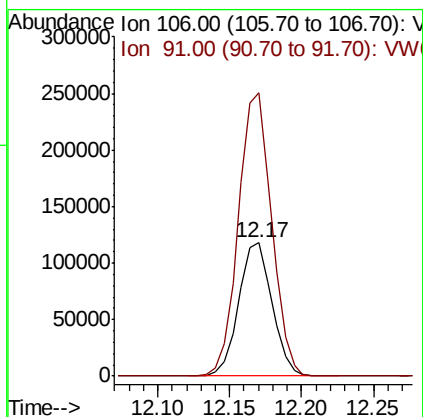
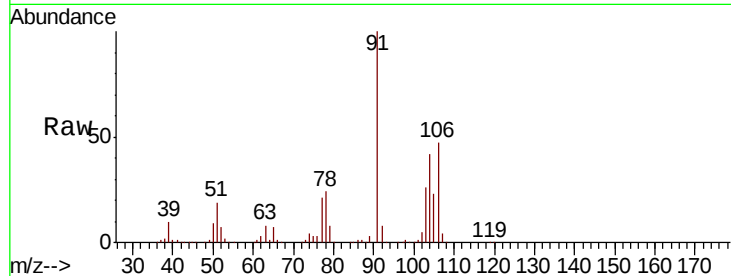




#55
o-xylene
Concen: 26.430 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW016062.D
Acq: 07 Aug 2020 08:28

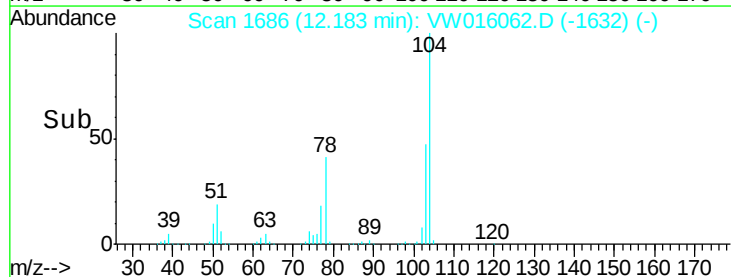
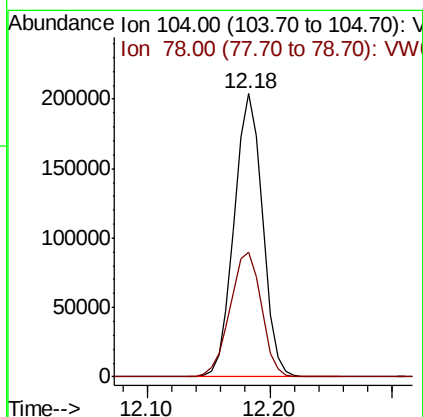
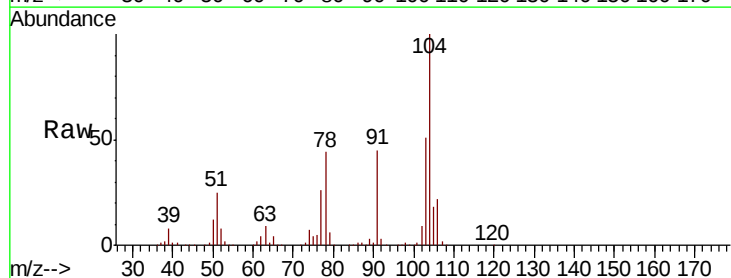
Instrument :
MSVOA_W
ClientSampled :

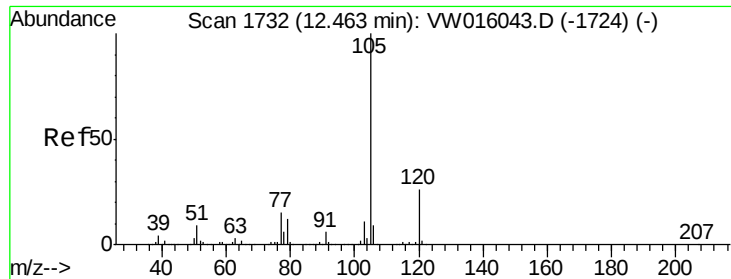
Tot Ion:106 Resp: 188389
Ion Ratio Lower Upper
106 100
91 212.7 146.8 272.6



#56
Styrene
Concen: 27.012 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW016062.D
Acq: 07 Aug 2020 08:28

Tgt Ion:104 Resp: 327424
Ion Ratio Lower Upper
104 100
78 44.3 32.0 59.4





#57

Isopropylbenzene

Concen: 27.066 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW016062.D

Acq: 07 Aug 2020 08:28

Instrument :

MSVOA_W

ClientSampled :

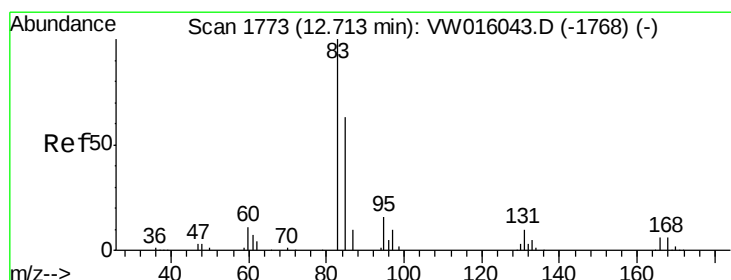
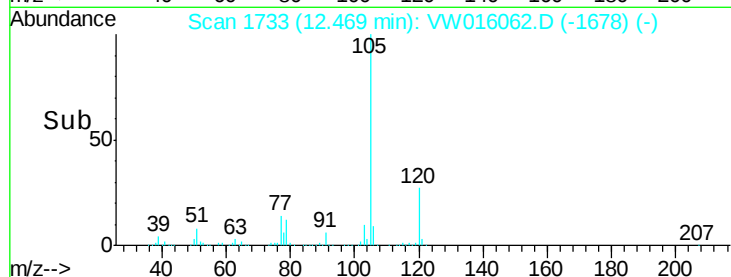
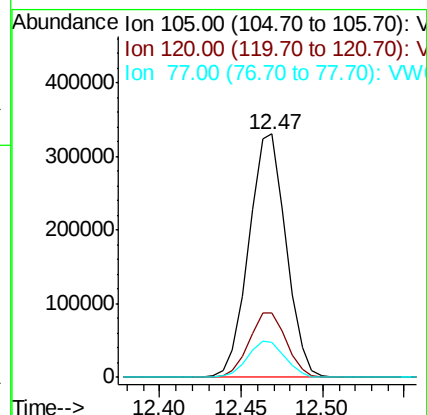
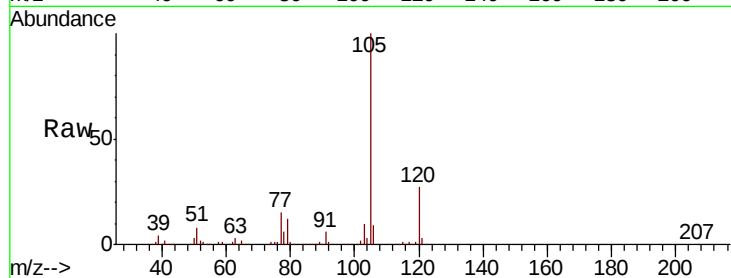
Tot Ion:105 Resp: 525163

Ion Ratio Lower Upper

105 100

120 26.8 20.4 30.6

77 15.0 12.9 19.3



#58

1,1,2,2-Tetrachloroethane

Concen: 26.119 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW016062.D

Acq: 07 Aug 2020 08:28

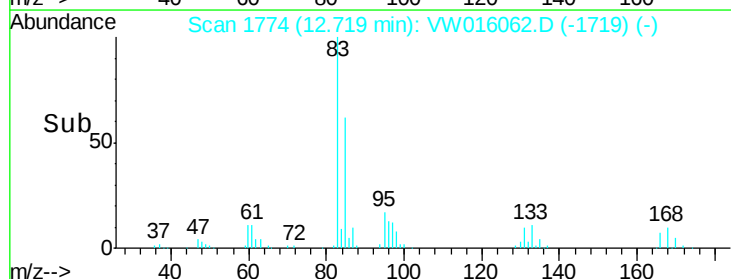
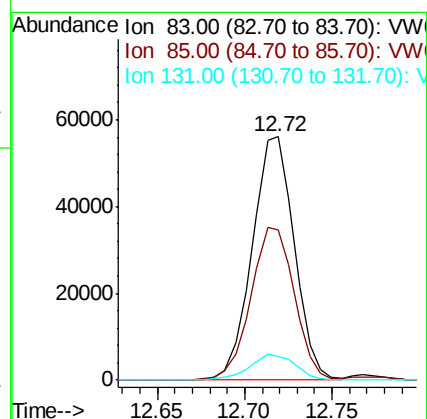
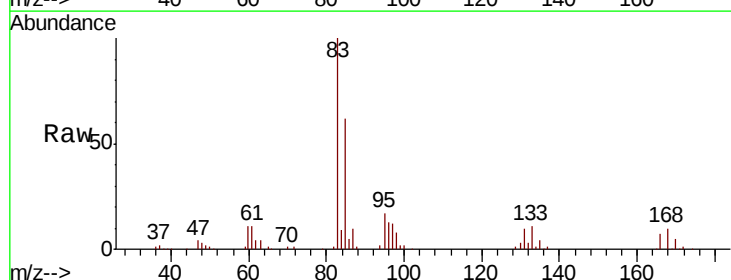
Tgt Ion: 83 Resp: 93734

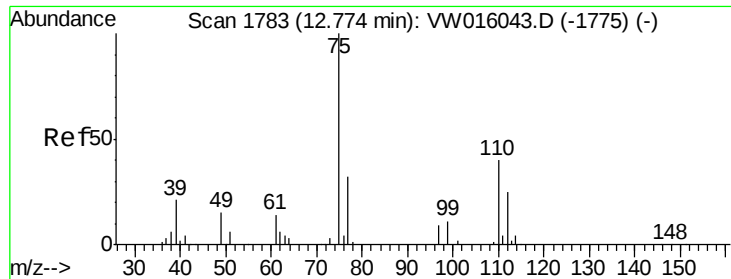
Ion Ratio Lower Upper

83 100

85 61.7 45.1 83.7

131 9.8 8.2 12.4

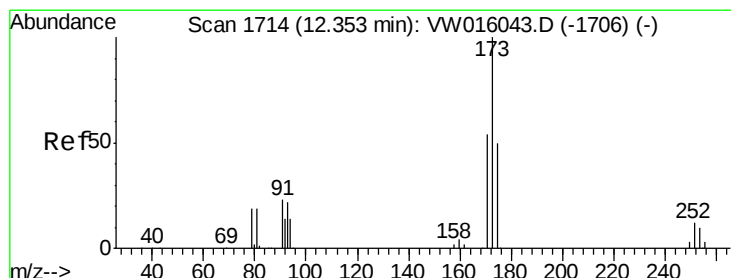
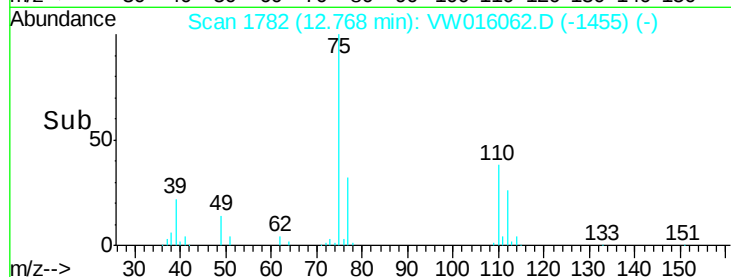
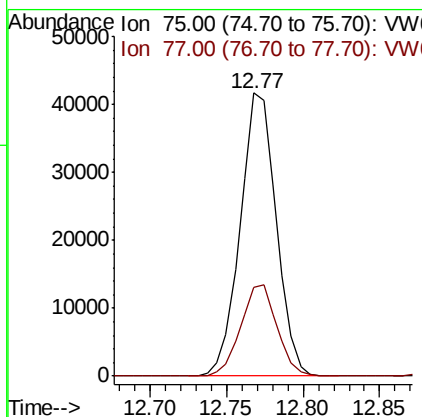
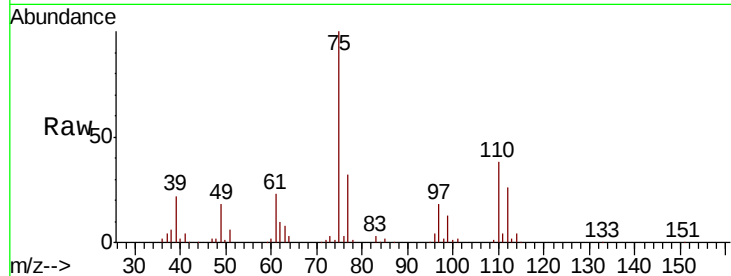




#59
 1,2,3-Trichloropropane
 Concen: 25.389 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.01 min
 Lab File: VW016062.D
 Acq: 07 Aug 2020 08:28

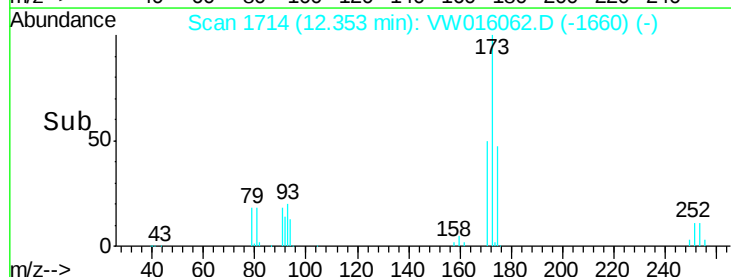
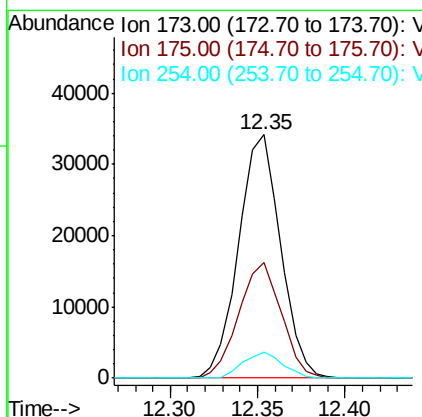
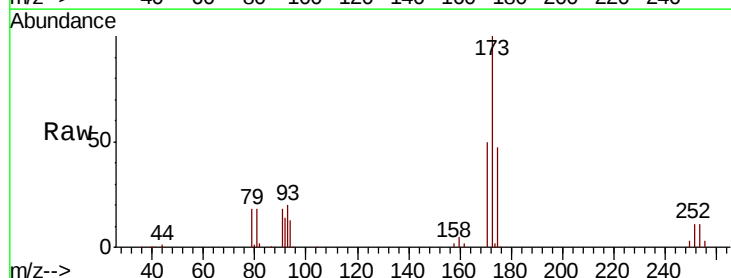
Instrument :
 MSVOA_W
 ClientSampled :

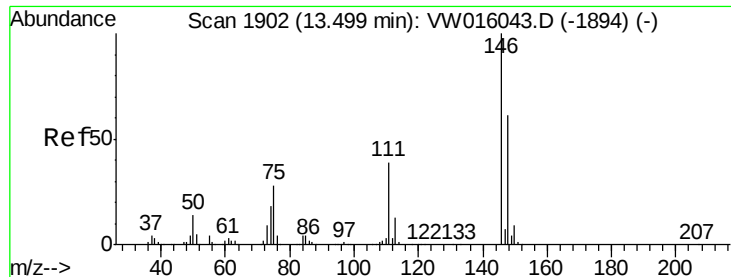
Tot Ion: 75 Resp: 68266
 Ion Ratio Lower Upper
 75 100
 77 32.4 26.0 39.0



#62
 Bromoform
 Concen: 27.451 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. 0.00 min
 Lab File: VW016062.D
 Acq: 07 Aug 2020 08:28

Tgt Ion:173 Resp: 57152
 Ion Ratio Lower Upper
 173 100
 175 48.1 38.7 58.1
 254 9.9 7.9 11.9

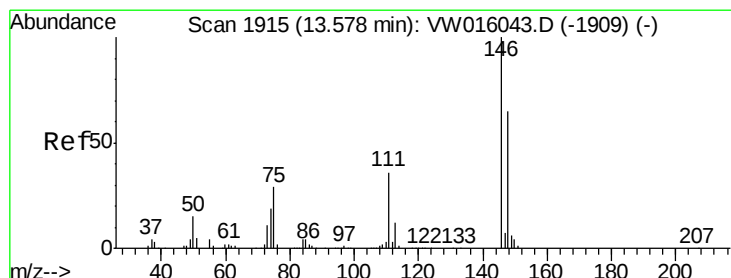
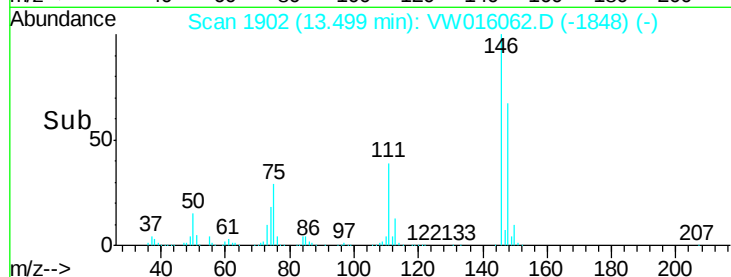
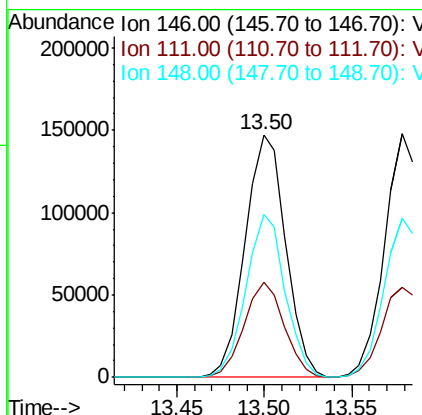
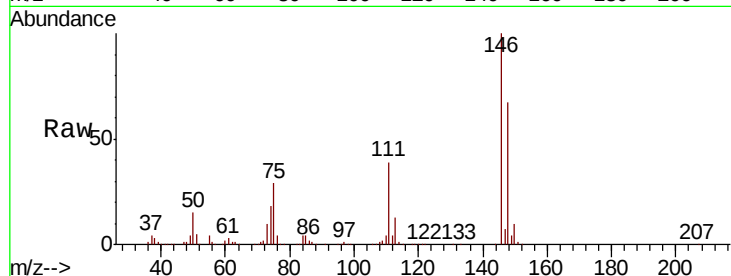




#63
 1,3-Dichlorobenzene
 Concen: 26.234 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW016062.D
 Acq: 07 Aug 2020 08:28

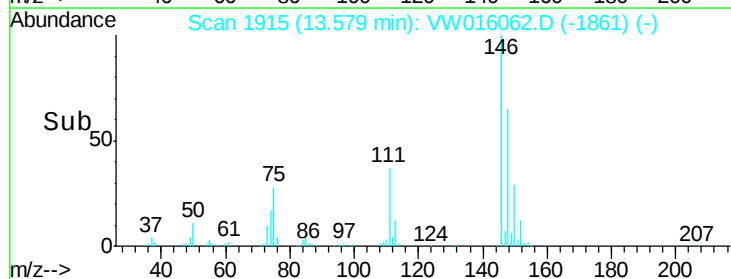
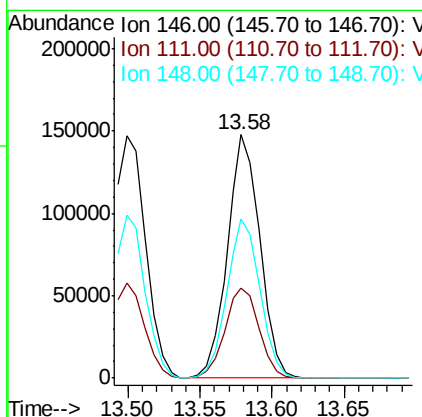
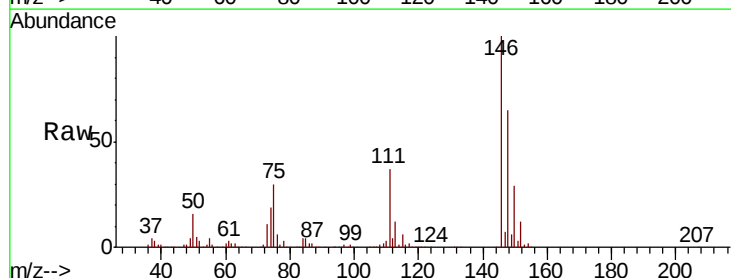
Instrument :
 MSVOA_W
 ClientSampleId :

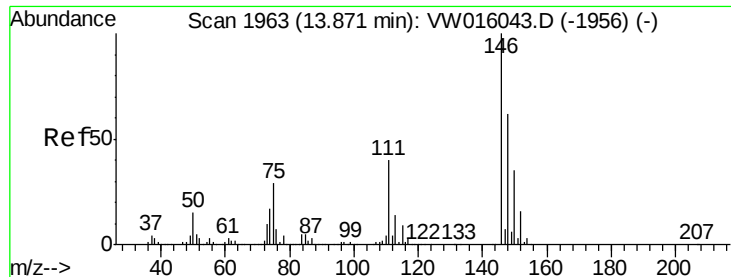
Tot Ion:146 Resp: 237629
 Ion Ratio Lower Upper
 146 100
 111 39.1 27.9 51.7
 148 67.0 43.2 80.2



#64
 1,4-Dichlorobenzene
 Concen: 25.421 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW016062.D
 Acq: 07 Aug 2020 08:28

Tgt Ion:146 Resp: 233696
 Ion Ratio Lower Upper
 146 100
 111 37.2 29.3 54.3
 148 65.1 44.5 82.7





#65

1,2-Dichlorobenzene

Concen: 25.986 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW016062.D

Acq: 07 Aug 2020 08:28

Instrument :

MSVOA_W

ClientSampleId :

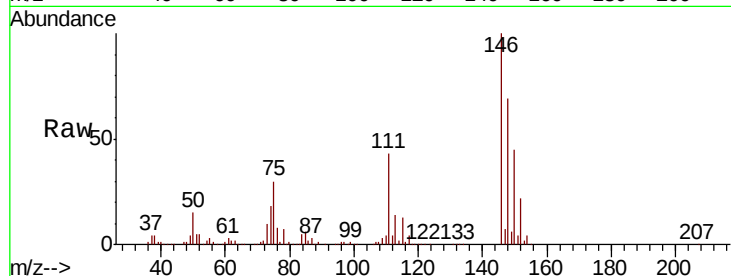
Tot Ion:146 Resp: 213803

Ion Ratio Lower Upper

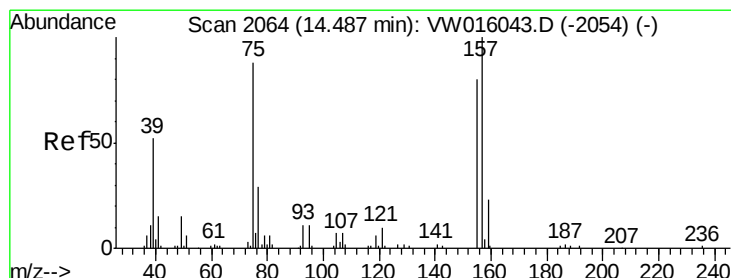
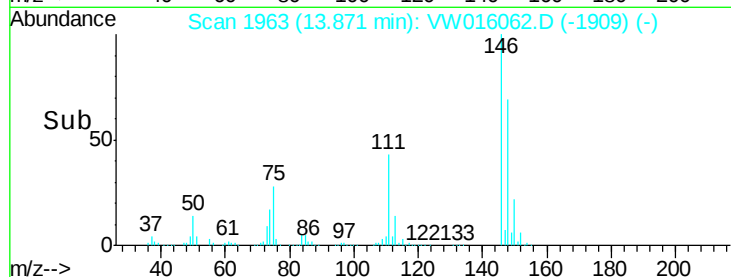
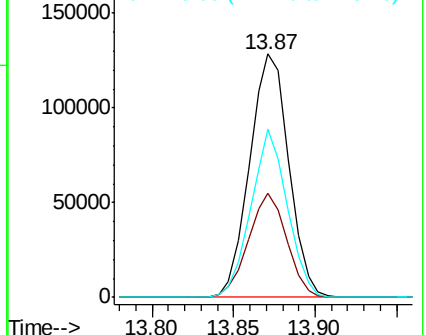
146 100

111 42.8 32.9 49.3

148 69.0 48.8 73.2



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: 24.098 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW016062.D

Acq: 07 Aug 2020 08:28

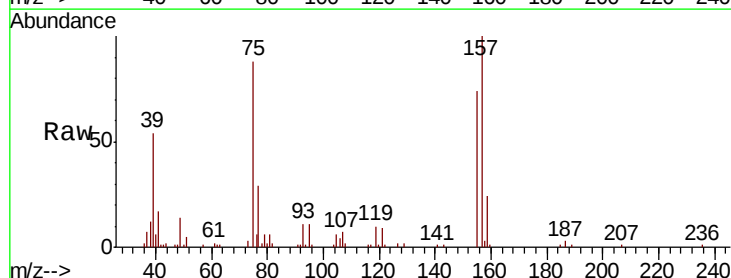
Tgt Ion: 75 Resp: 14923

Ion Ratio Lower Upper

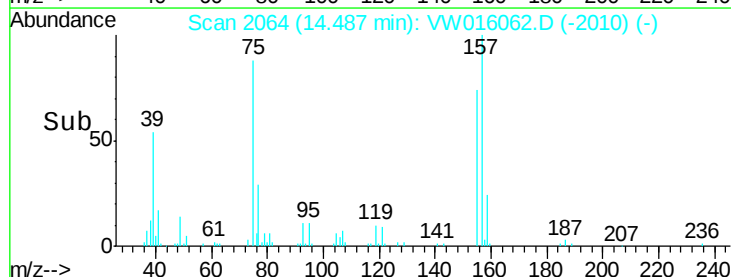
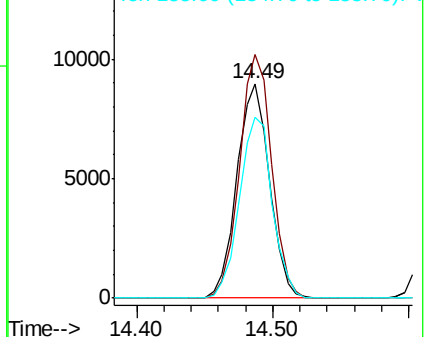
75 100

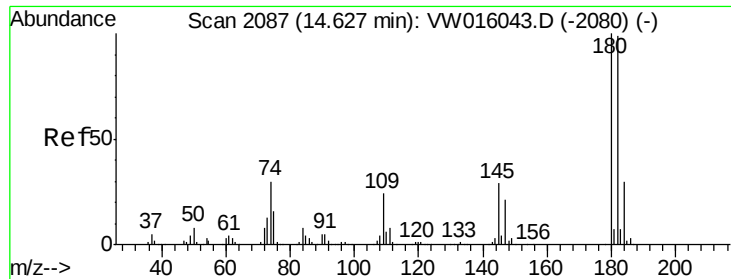
157 113.5 83.0 124.4

155 84.1 66.9 100.3



Abundance Ion 75.00 (74.70 to 75.70): VW
Ion 157.00 (156.70 to 157.70): V
Ion 155.00 (154.70 to 155.70): V

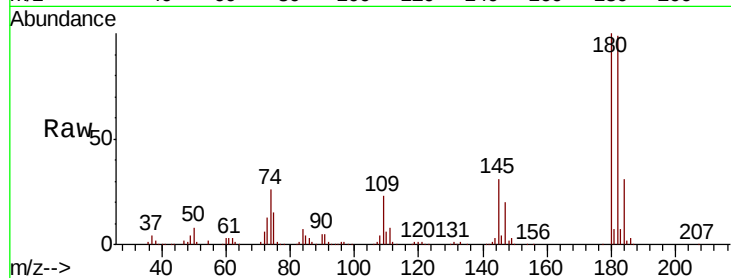




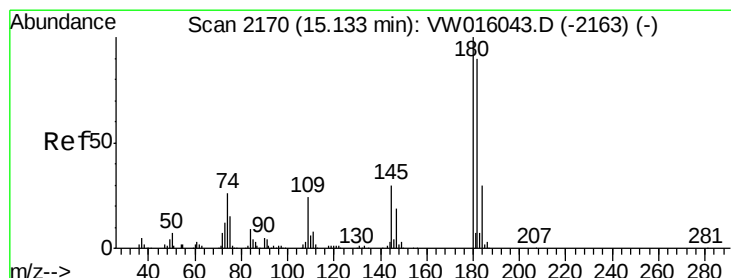
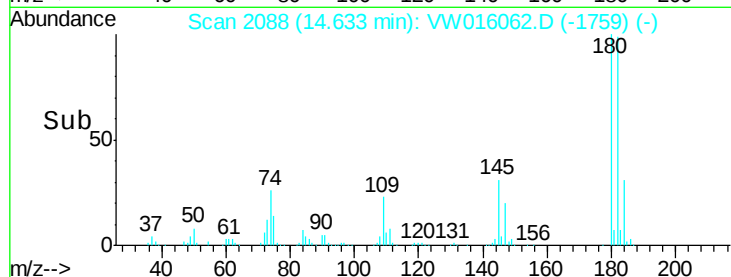
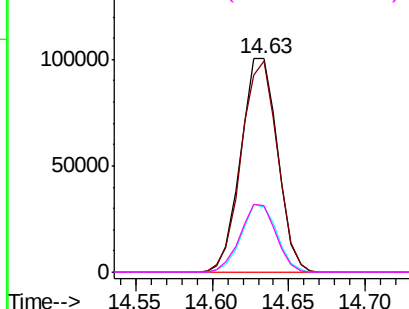
#67
 1,3,5-Trichlorobenzene
 Concen: 26.451 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.01 min
 Lab File: VW016062.D
 Acq: 07 Aug 2020 08:28

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:180	Resp:	168467
Ion Ratio	Lower	Upper
180	100	
182	96.8	75.4 113.0
184	30.8	24.6 37.0
145	30.7	24.1 36.1

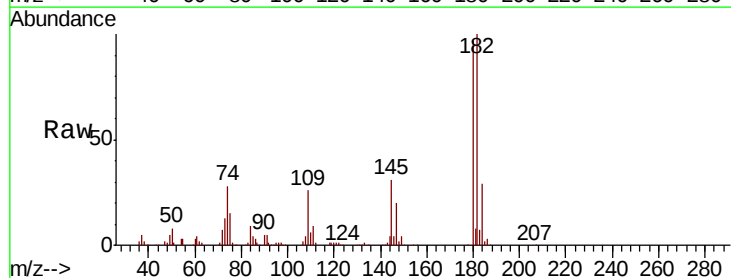


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

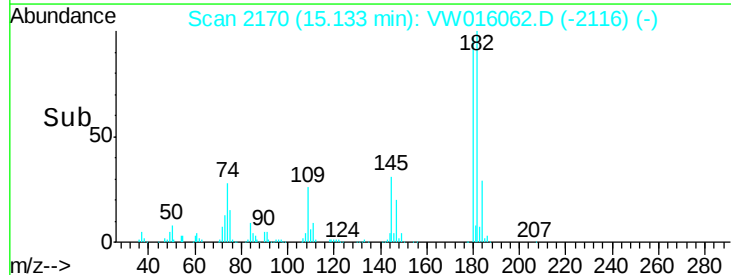
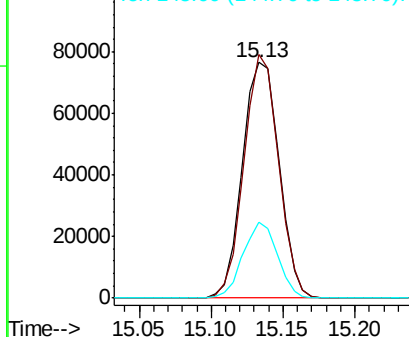


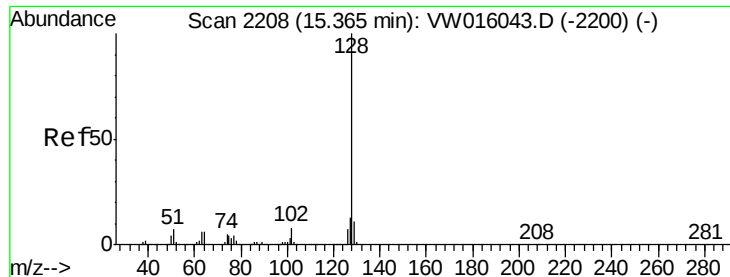
#68
 1,2,4-trichlorobenzene
 Concen: 26.702 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW016062.D
 Acq: 07 Aug 2020 08:28

Tgt Ion:180	Resp:	135082
Ion Ratio	Lower	Upper
180	100	
182	97.1	76.0 114.0
145	30.2	24.3 36.5



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: 25.694 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW016062.D

Acq: 07 Aug 2020 08:28

Instrument :

MSVOA_W

ClientSampleId :

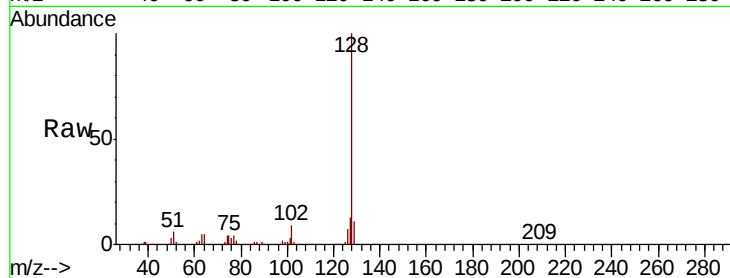
Tot Ion:128 Resp: 244875

Ion Ratio Lower Upper

128 100

129 10.9 8.6 12.8

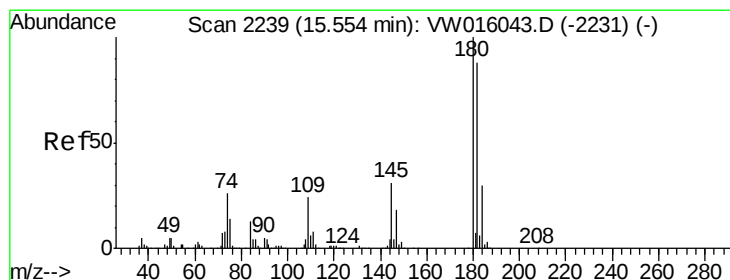
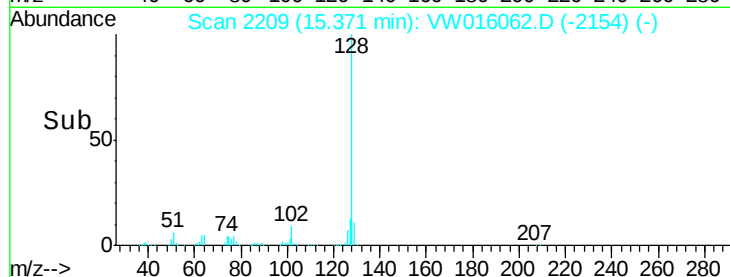
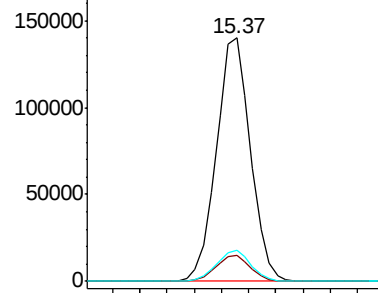
127 13.1 10.5 15.7



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: 26.684 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.01 min

Lab File: VW016062.D

Acq: 07 Aug 2020 08:28

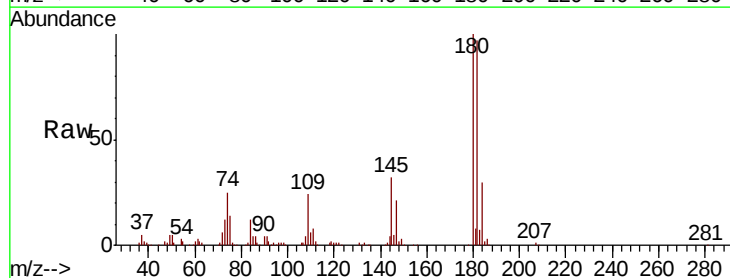
Tgt Ion:180 Resp: 120278

Ion Ratio Lower Upper

180 100

182 94.4 74.0 111.0

145 32.5 25.9 38.9



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

