

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042820\
 Data File : VW015365.D
 Acq On : 28 Apr 2020 16:41
 Operator : SY/VA
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 29 02:06:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042820S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 29 02:04:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	399227	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	362147	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	192927	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	69468	23.90	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.60%
7) Chloroethane-d5	2.89	69	72358	21.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.52%
10) 1,1-Dichloroethene-d2	4.01	63	174414	23.74	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.96%
20) 2-Butanone-d5	7.07	46	40330	45.14	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.28%
24) Chloroform-d	7.64	84	201091	22.91	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.64%
26) 1,2-Dichloroethane-d4	8.30	65	103528	22.91	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.64%
29) Benzene-d6	8.27	84	382587	22.93	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.72%
33) 1,2-Dichloropropane-d6	9.27	67	106792	22.88	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.52%
37) Toluene-d8	10.32	98	389588	22.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.52%
38) trans-1,3-Dichloropropene-	10.57	79	53598	22.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.76%
39) 2-Hexanone-d5	10.92	63	37867	44.43	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.86%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	90444	22.89	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.56%
61) 1,2-Dichlorobenzene-d4	13.85	152	155157	23.14	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.56%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	88062	23.418	ug/L 97
3) Chloromethane	2.21	50	75907	24.653	ug/L 99
5) Vinyl chloride	2.36	62	105910	28.486	ug/L 96
6) Bromomethane	2.78	94	86618	24.787	ug/L 99
8) Chloroethane	2.92	64	72849	25.250	ug/L 95
9) Trichlorofluoromethane	3.26	101	109058	25.046	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	119306	25.951	ug/L 99
12) 1,1-Dichloroethene	4.03	96	118417	26.365	ug/L 91
13) Acetone	4.12	43	30228	40.173	ug/L 99
14) Carbon disulfide	4.37	76	324575	26.475	ug/L 99
15) Methyl Acetate	4.67	43	36982	24.645	ug/L 98
16) Methylene chloride	4.90	84	120058	23.614	ug/L 99
17) Methyl tert-butyl Ether	5.42	73	173099	26.062	ug/L 100
18) trans-1,2-Dichloroethene	5.42	96	130377	26.495	ug/L 99
19) 1,1-Dichloroethane	6.21	63	201234	26.256	ug/L 99
21) 2-Butanone	7.17	43	48548	42.660	ug/L 96
22) cis-1,2-Dichloroethene	7.16	96	141019	26.538	ug/L 99

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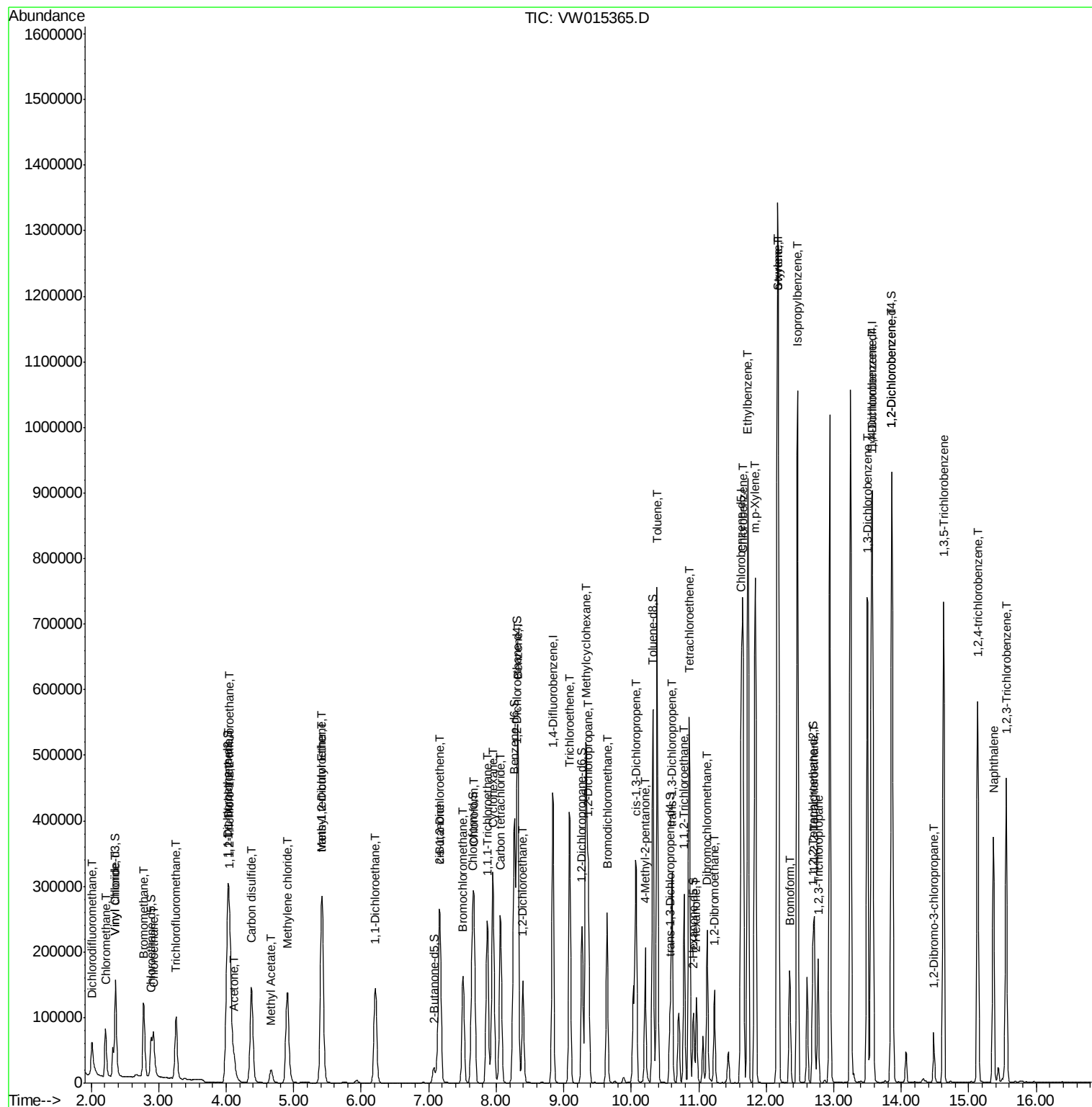
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	65914	25.836	ug/L	98
25) Chloroform	7.67	83	231268	26.529	ug/L	100
27) 1,2-Dichloroethane	8.40	62	144484	26.133	ug/L	100
30) Cyclohexane	7.95	56	179312	25.863	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	204743	26.279	ug/L	100
32) Carbon tetrachloride	8.06	117	196850	26.129	ug/L	99
34) Benzene	8.32	78	492455	26.531	ug/L	100
35) Trichloroethene	9.09	95	141689	26.534	ug/L	99
36) Methylcyclohexane	9.33	83	232344	25.810	ug/L	99
40) 1,2-Dichloropropane	9.37	63	111919	26.570	ug/L	100
41) Bromodichloromethane	9.64	83	172379	26.736	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	194825	26.417	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	120808	42.531	ug/L	100
44) Toluene	10.38	91	575391	26.711	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	171838	26.214	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	92974	25.717	ug/L	98
47) Tetrachloroethene	10.86	164	130515	25.619	ug/L	93
49) 2-Hexanone	10.96	43	77206	49.645	ug/L	100
50) Dibromochloromethane	11.12	129	127375	26.052	ug/L	98
51) 1,2-Dibromoethane	11.23	107	93276	25.878	ug/L	99
52) Chlorobenzene	11.65	112	385948	26.585	ug/L	99
53) Ethylbenzene	11.73	91	662061	26.574	ug/L	99
54) m,p-Xylene	11.84	106	263150	26.682	ug/L	98
55) o-xylene	12.16	106	250388	26.463	ug/L	99
56) Styrene	12.18	104	429713	27.051	ug/L	97
57) Isopropylbenzene	12.46	105	699247	27.142	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	103112	25.643	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	75768	25.837	ug/L	99
62) Bromoform	12.35	173	81122	25.586	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	333126	27.173	ug/L	94
64) 1,4-Dichlorobenzene	13.58	146	322846	26.618	ug/L	100
65) 1,2-Dichlorobenzene	13.87	146	287901	26.160	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.48	75	18117	25.160	ug/L	99
67) 1,3,5-Trichlorobenzene	14.63	180	248959	26.270	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	210780	27.061	ug/L	97
69) Naphthalene	15.36	128	333353	25.599	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	175182	26.045	ug/L	99

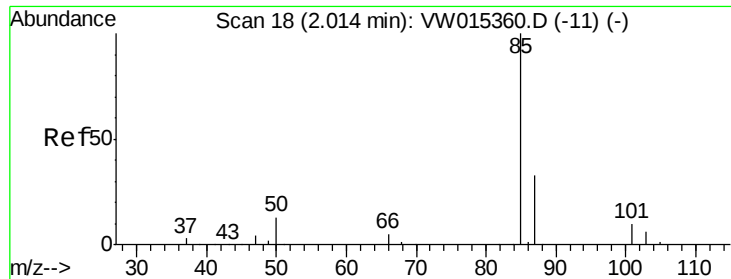
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 23.418 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW015365.D

Acq: 28 Apr 2020 16:41

Instrument :

MSVOA_W

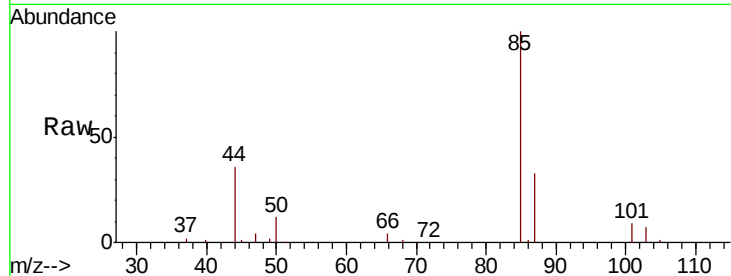
ClientSampleId :

Tot Ion: 85 Resp: 88062

Ion Ratio Lower Upper

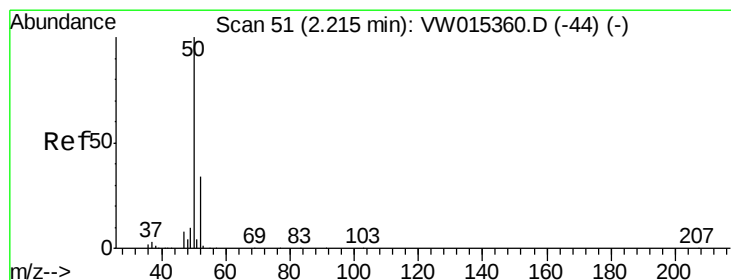
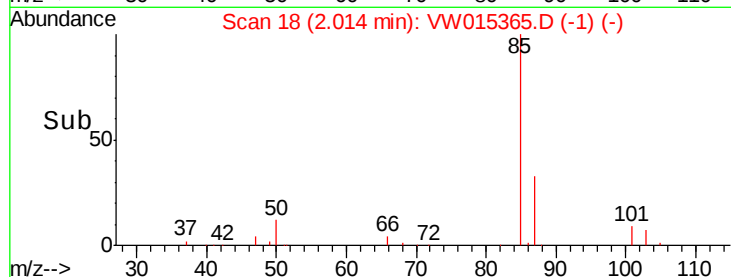
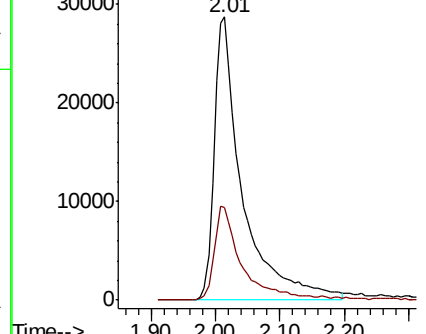
85 100

87 30.3 22.5 41.9



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 24.653 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015365.D

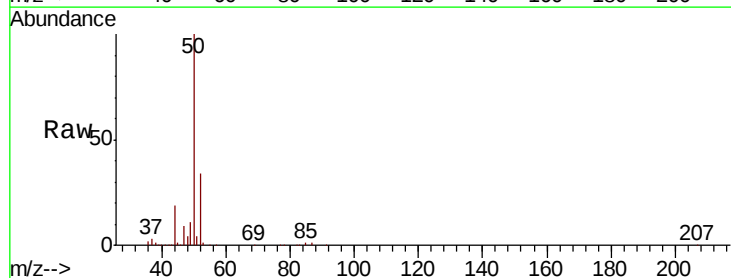
Acq: 28 Apr 2020 16:41

Tgt Ion: 50 Resp: 75907

Ion Ratio Lower Upper

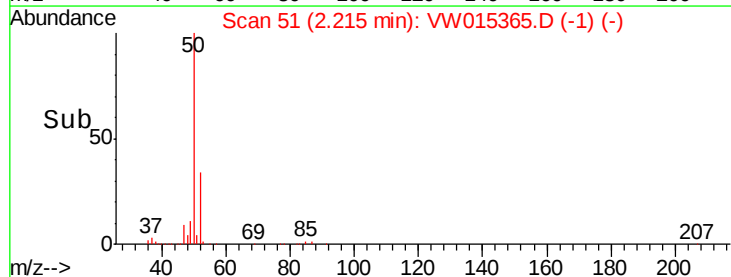
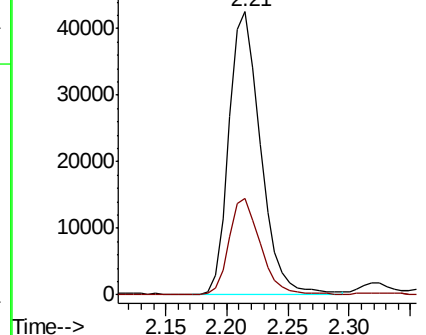
50 100

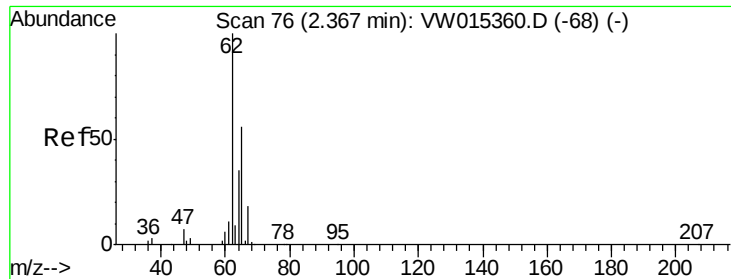
52 34.3 23.6 43.8



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 28.486 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW015365.D

Acq: 28 Apr 2020 16:41

Instrument :

MSVOA_W

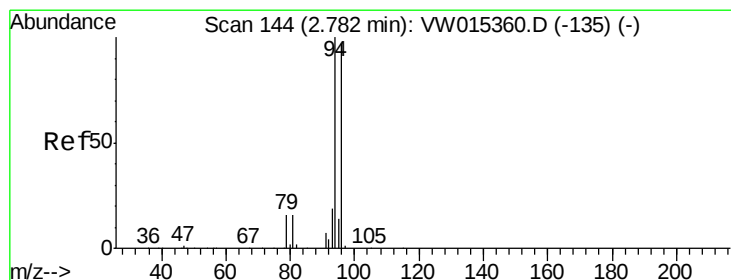
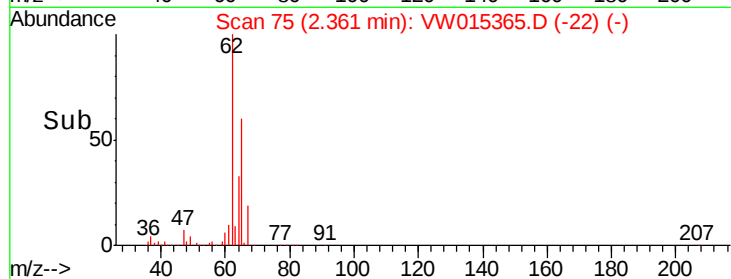
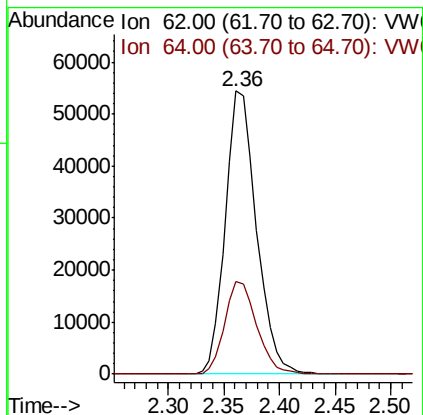
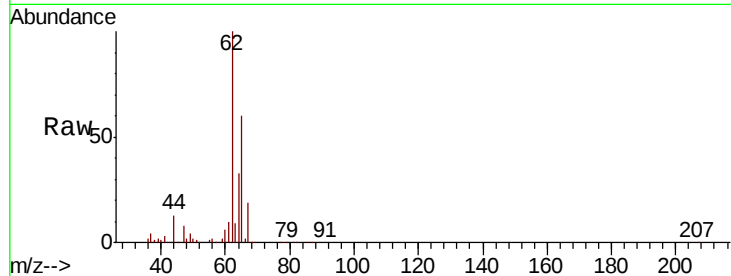
ClientSampled :

Tot Ion: 62 Resp: 105910

Ion Ratio Lower Upper

62 100

64 32.8 24.6 45.8



#6

Bromomethane

Concen: 24.787 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW015365.D

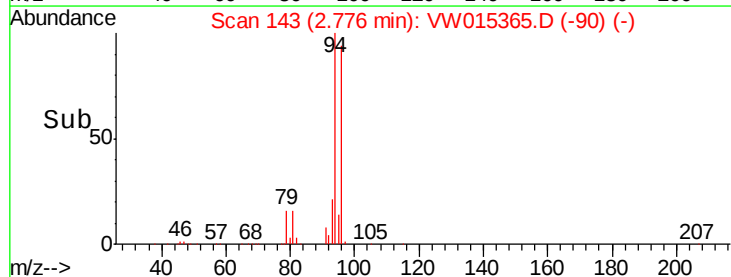
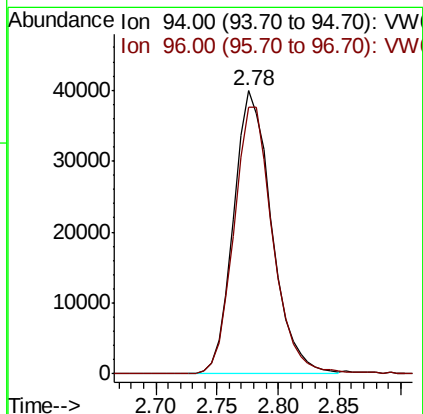
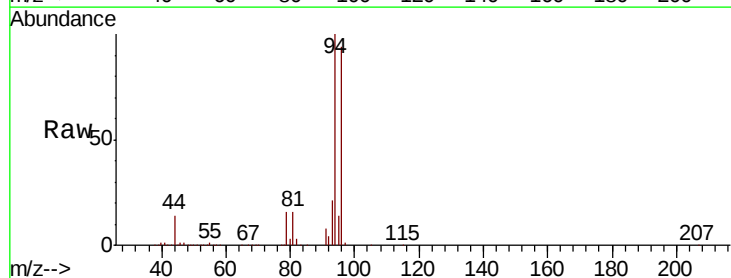
Acq: 28 Apr 2020 16:41

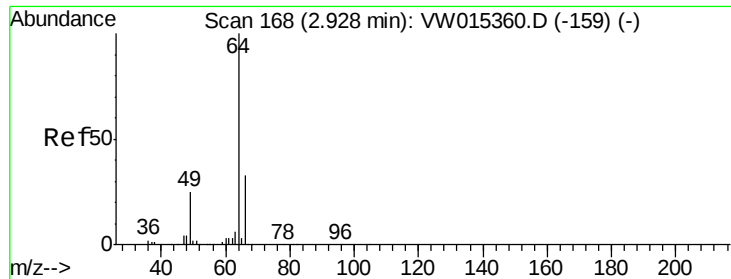
Tgt Ion: 94 Resp: 86618

Ion Ratio Lower Upper

94 100

96 95.8 9.5 180.1





#8

Chloroethane

Concen: 25.250 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW015365.D

Acq: 28 Apr 2020 16:41

Instrument :

MSVOA_W

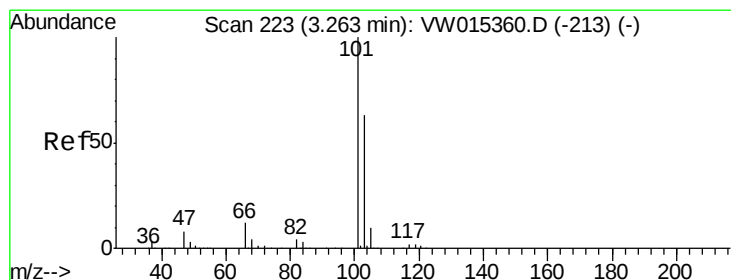
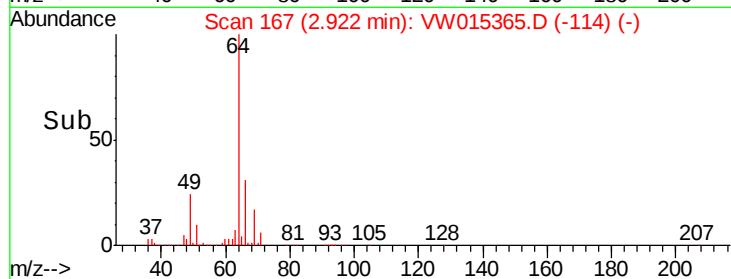
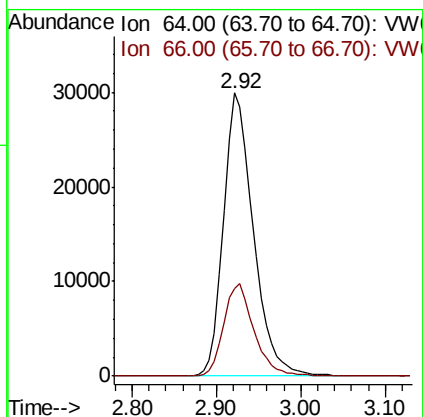
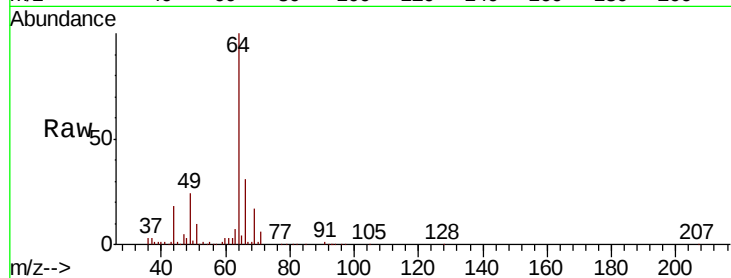
ClientSampleId :

Tot Ion: 64 Resp: 72849

Ion Ratio Lower Upper

64 100

66 31.0 23.5 43.7



#9

Trichlorofluoromethane

Concen: 25.046 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.01 min

Lab File: VW015365.D

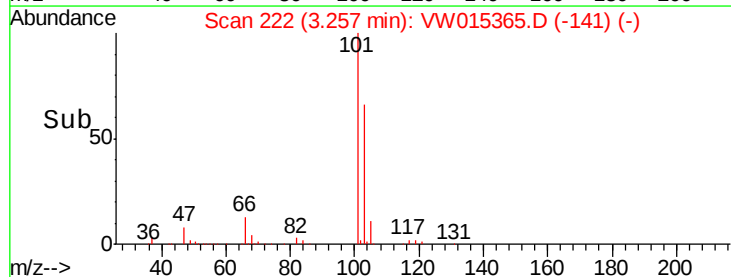
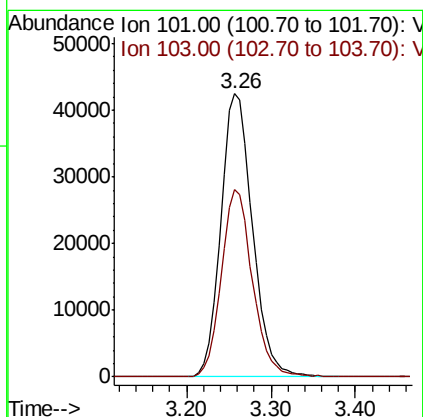
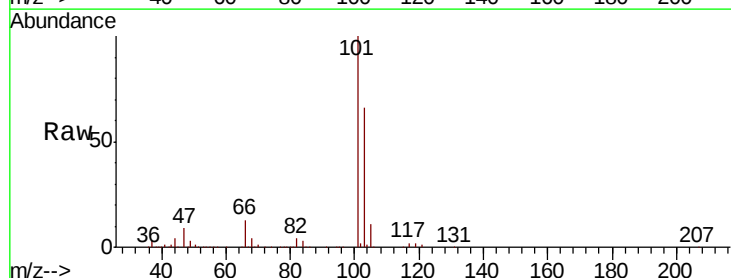
Acq: 28 Apr 2020 16:41

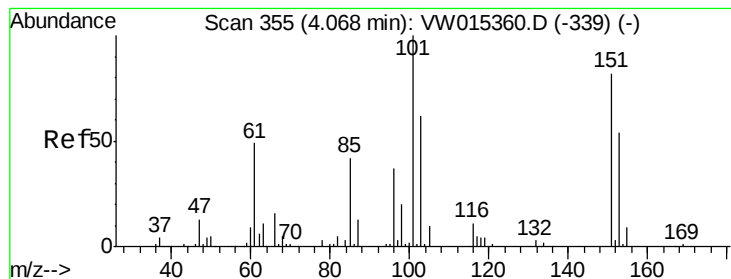
Tgt Ion:101 Resp: 109058

Ion Ratio Lower Upper

101 100

103 65.0 45.4 84.4





#11

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

Concen: 25.951 ug/L

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW015365.D

Acq: 28 Apr 2020 16:41

Instrument :

MSVOA_W

ClientSampleId :

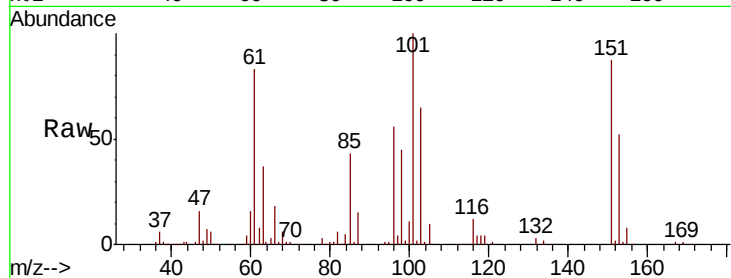
Tot Ion:101 Resp: 119306

Ion Ratio Lower Upper

101 100

85 42.2 32.5 48.7

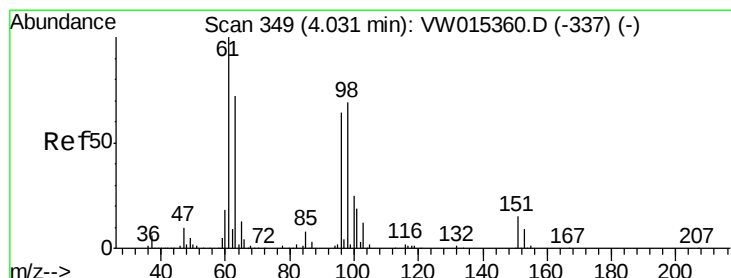
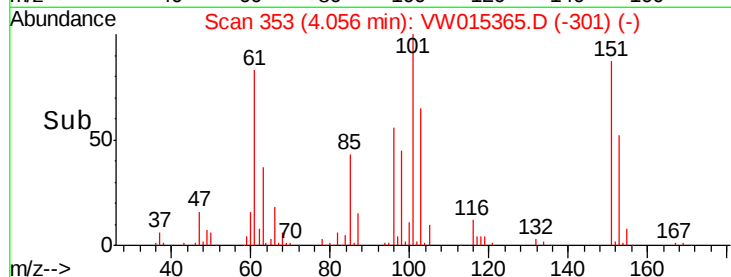
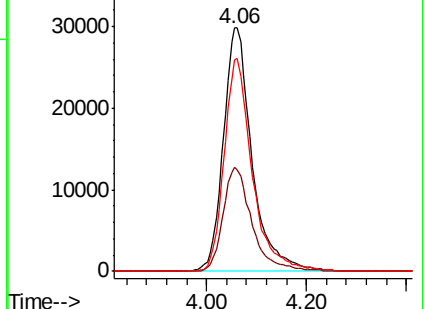
151 85.6 68.2 102.2



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: 26.365 ug/L

RT: 4.03 min Scan# 349

Delta R.T. 0.00 min

Lab File: VW015365.D

Acq: 28 Apr 2020 16:41

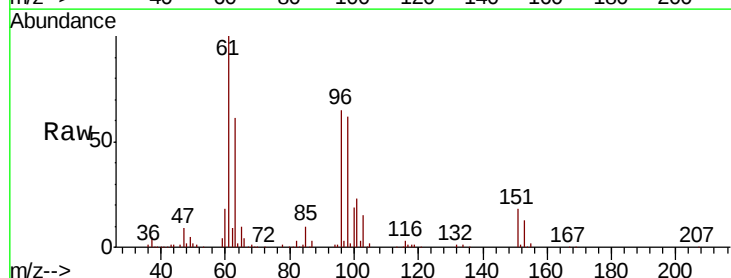
Tgt Ion: 96 Resp: 118417

Ion Ratio Lower Upper

96 100

61 152.7 109.1 202.7

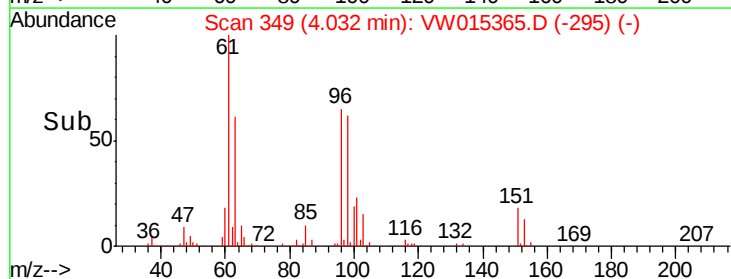
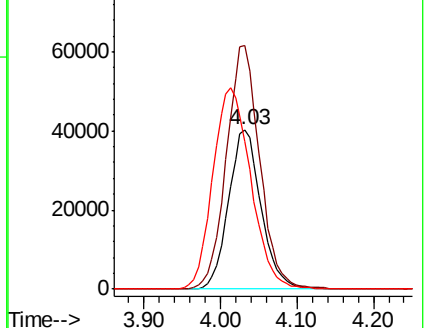
63 92.7 79.2 147.2

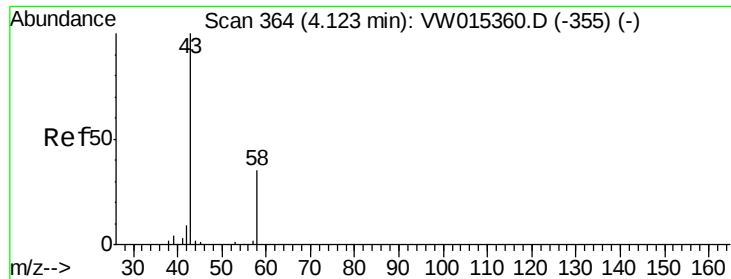


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 40.173 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW015365.D

Acq: 28 Apr 2020 16:41

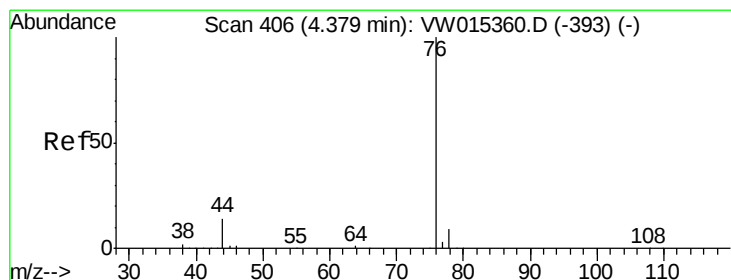
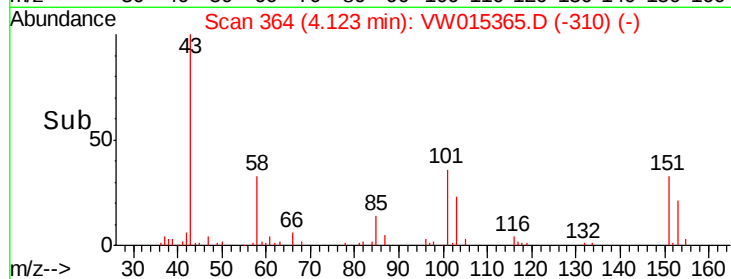
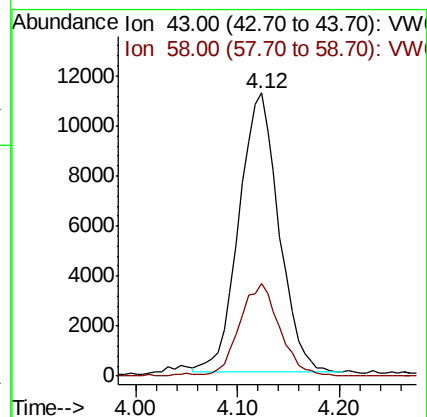
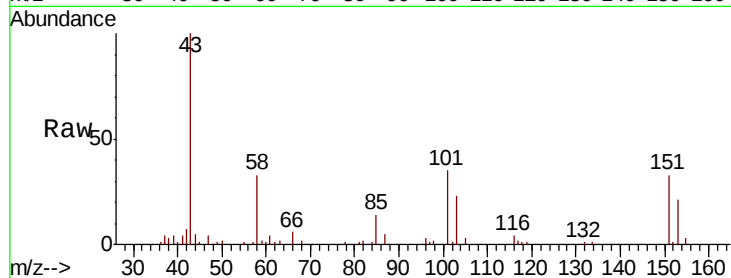
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 30228

Ion Ratio Lower Upper

43 100

58 33.3 0.0 68.0



#14

Carbon disulfide

Concen: 26.475 ug/L

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW015365.D

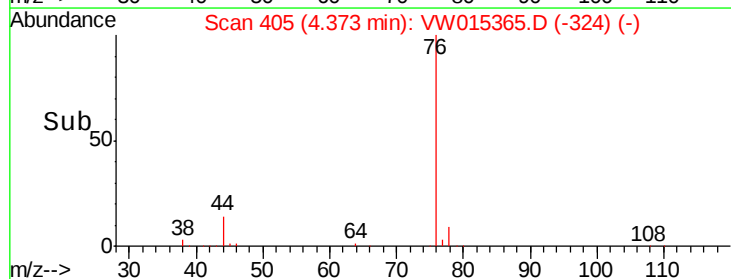
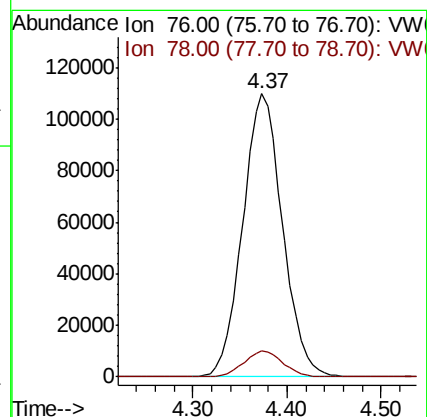
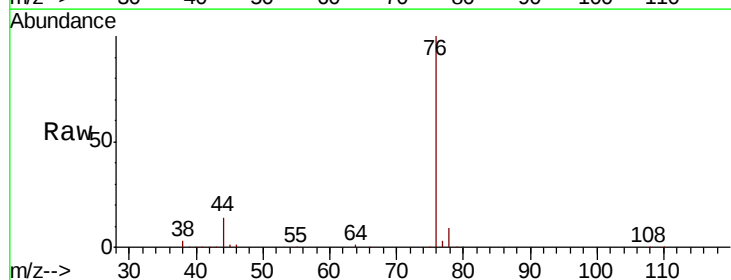
Acq: 28 Apr 2020 16:41

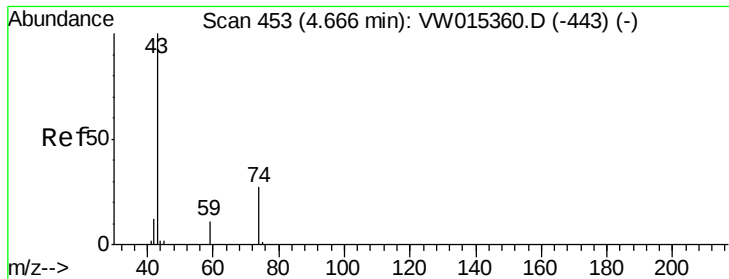
Tgt Ion: 76 Resp: 324575

Ion Ratio Lower Upper

76 100

78 9.3 7.2 10.8

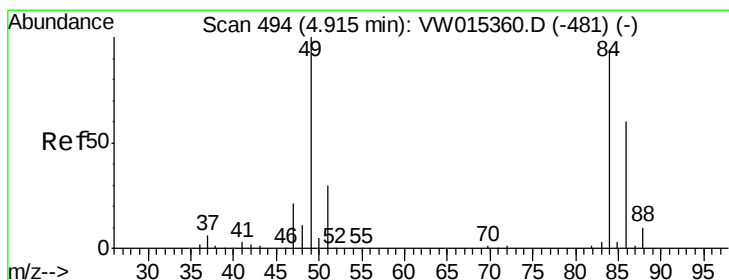
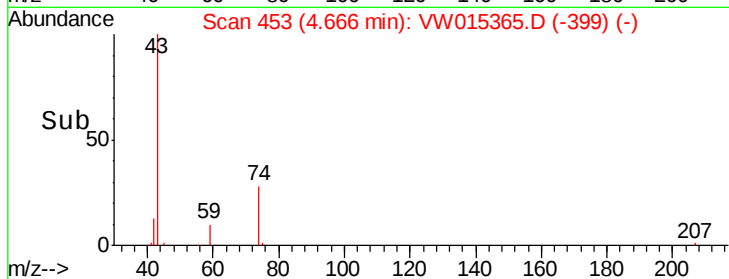
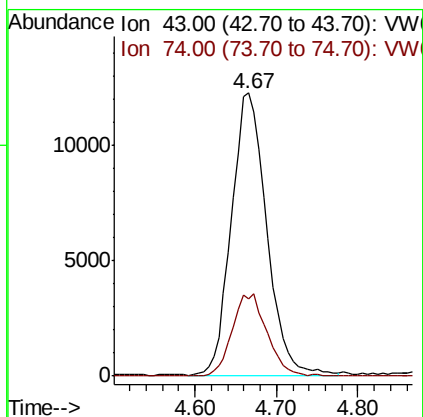
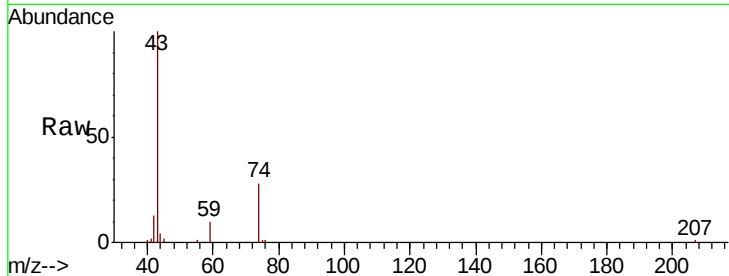




#15
Methyl Acetate
Concen: 24.645 ug/L
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW015365.D
Acq: 28 Apr 2020 16:41

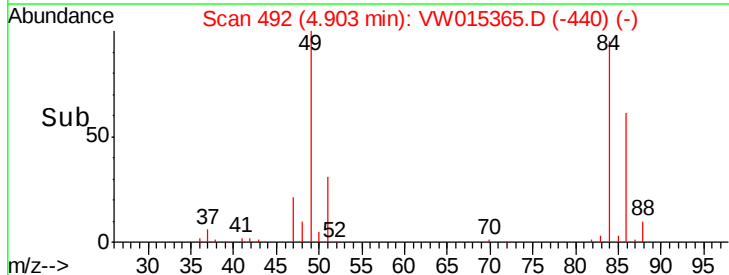
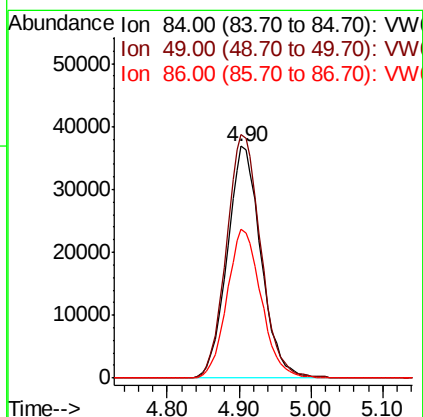
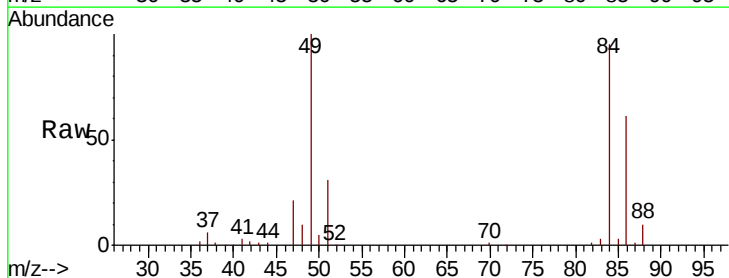
Instrument :
MSVOA_W
ClientSampled :

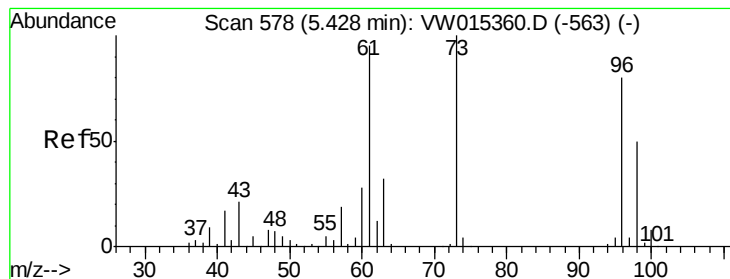
Tot Ion: 43 Resp: 36982
Ion Ratio Lower Upper
43 100
74 28.3 23.5 35.3



#16
Methylene chloride
Concen: 23.614 ug/L
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW015365.D
Acq: 28 Apr 2020 16:41

Tgt Ion: 84 Resp: 120058
Ion Ratio Lower Upper
84 100
49 105.0 74.6 138.6
86 64.0 44.6 82.8



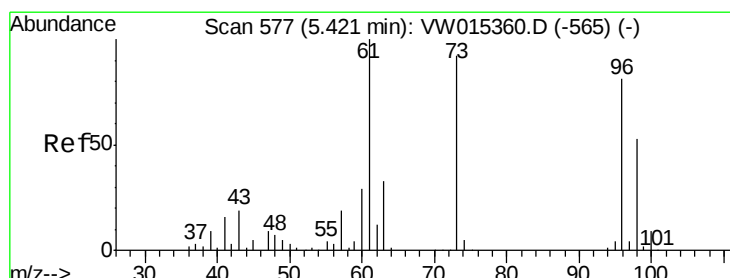
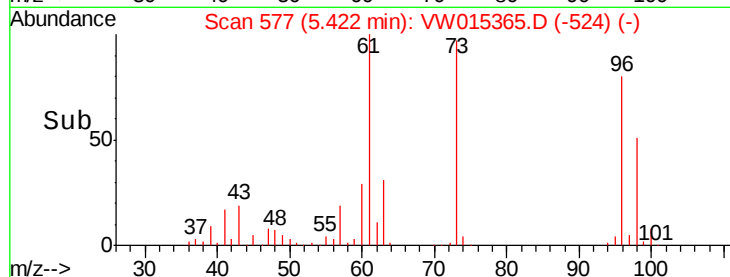
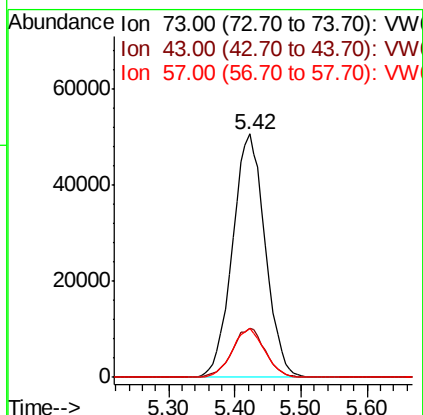
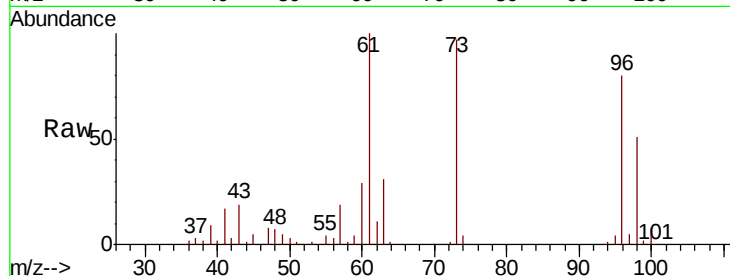


#17

Methvl tert-butvl Ether
 Concen: 26.062 ug/L
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW015365.D
 Acq: 28 Apr 2020 16:41

Instrument :
 MSVOA_W
 ClientSampleId :

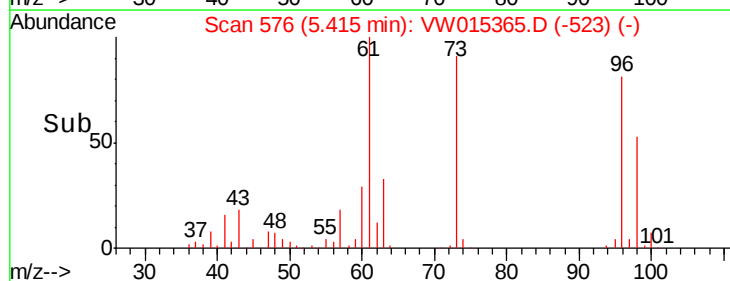
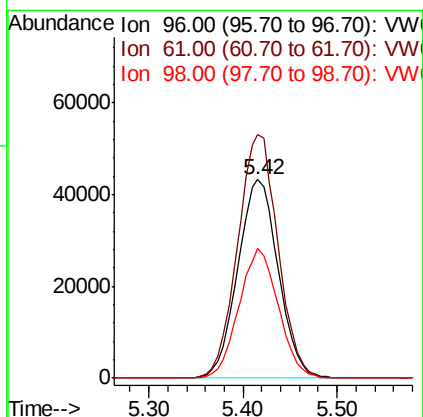
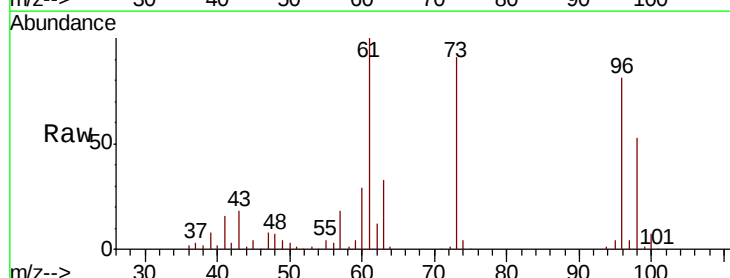
Tot Ion: 73 Resp: 173099
 Ion Ratio Lower Upper
 73 100
 43 20.6 16.7 25.1
 57 19.9 15.9 23.9

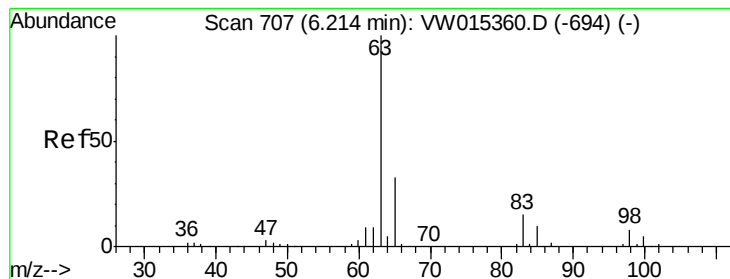


#18

trans-1,2-Dichloroethene
 Concen: 26.495 ug/L
 RT: 5.42 min Scan# 576
 Delta R.T. -0.01 min
 Lab File: VW015365.D
 Acq: 28 Apr 2020 16:41

Tgt Ion: 96 Resp: 130377
 Ion Ratio Lower Upper
 96 100
 61 122.8 86.4 160.4
 98 65.1 45.3 84.1





#19

1,1-Dichloroethane

Concen: 26.256 ug/L

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW015365.D

Acq: 28 Apr 2020 16:41

Instrument :

MSVOA_W

ClientSampleId :

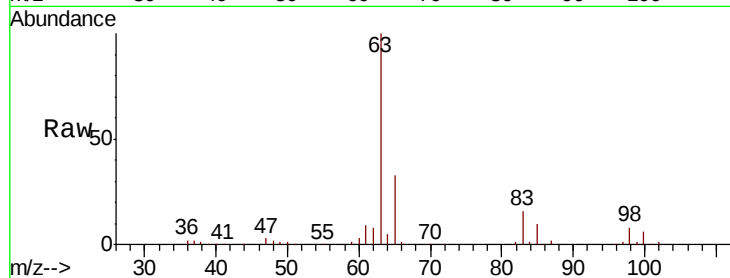
Tot Ion: 63 Resp: 201234

Ion Ratio Lower Upper

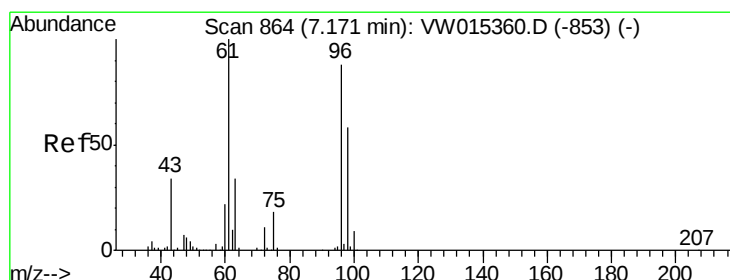
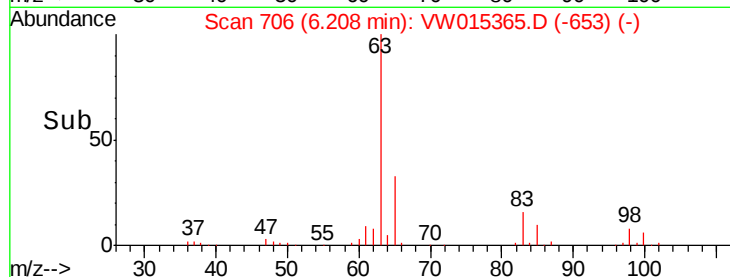
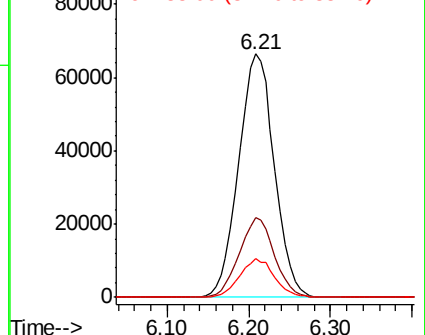
63 100

65 32.9 23.2 43.0

83 16.1 10.4 19.4



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: 42.660 ug/L

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW015365.D

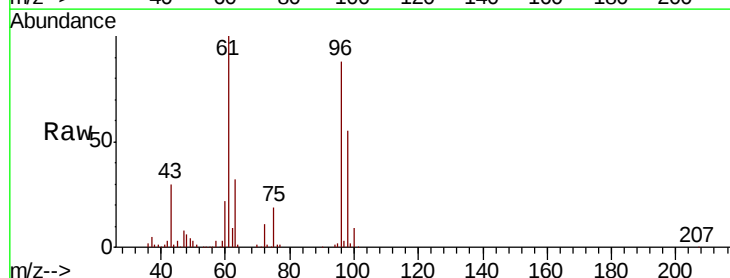
Acq: 28 Apr 2020 16:41

Tgt Ion: 43 Resp: 48548

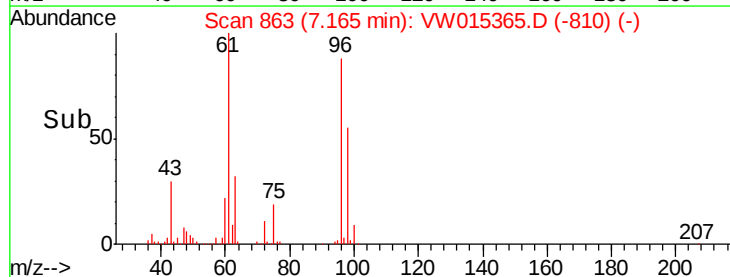
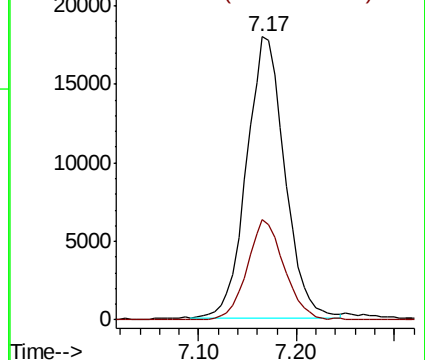
Ion Ratio Lower Upper

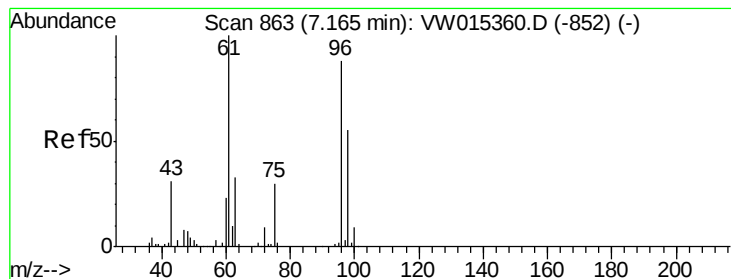
43 100

72 34.4 16.0 47.9



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



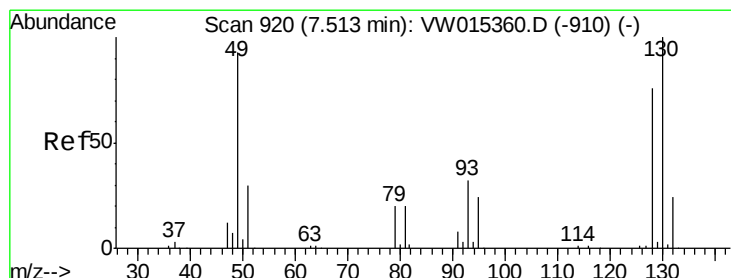
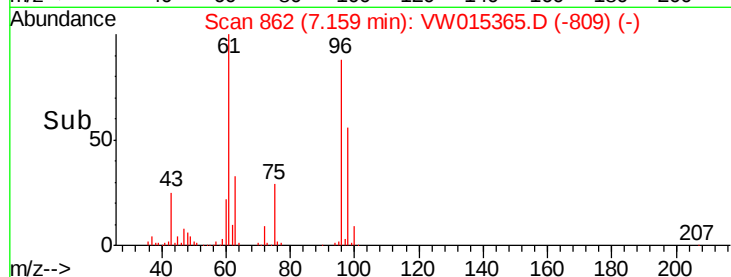
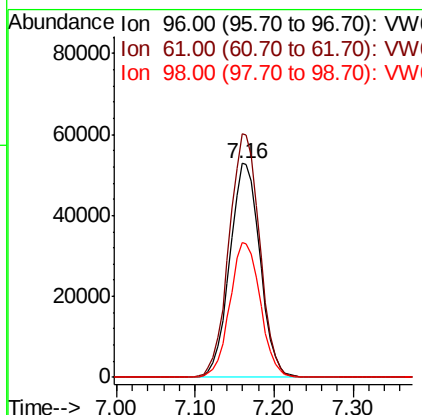
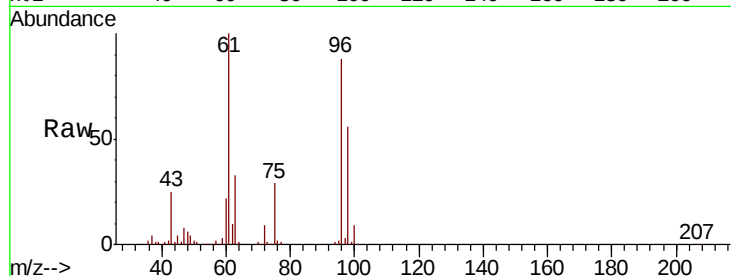


#22

cis-1,2-Dichloroethene
Concen: 26.538 ug/L
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW015365.D
Acq: 28 Apr 2020 16:41

Instrument :
MSVOA_W
ClientSampleId :

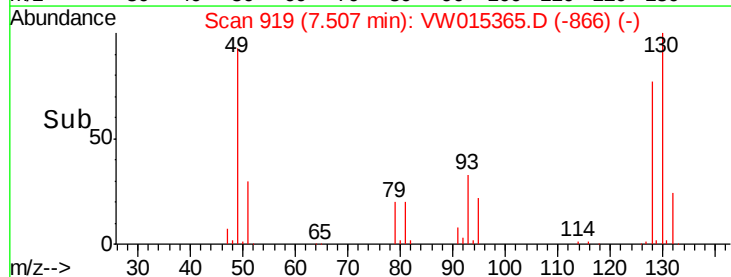
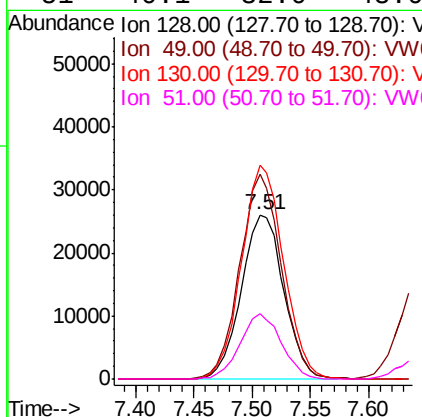
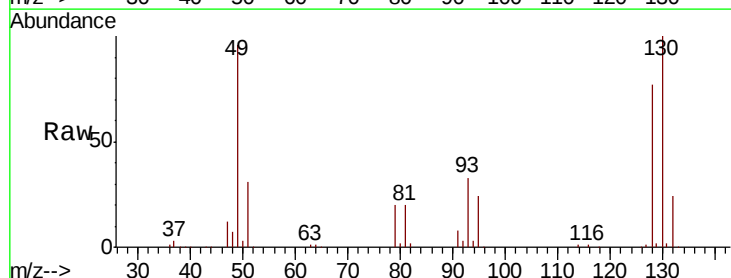
Tot Ion	96	Resp	141019
Ion	Ratio	Lower	Upper
96	100		
61	113.8	79.3	147.3
98	63.2	43.6	81.0

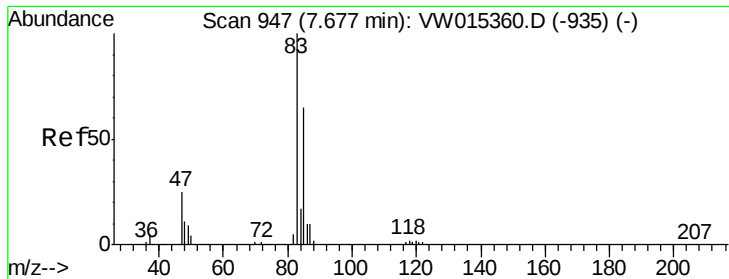


#23

Bromochloromethane
Concen: 25.836 ug/L
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW015365.D
Acq: 28 Apr 2020 16:41

Tgt Ion	128	Resp	65914
Ion	Ratio	Lower	Upper
128	100		
49	125.2	85.8	159.4
130	130.3	92.2	171.2
51	40.1	32.0	48.0





#25

Chloroform

Concen: 26.529 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.01 min

Lab File: VW015365.D

Acq: 28 Apr 2020 16:41

Instrument :

MSVOA_W

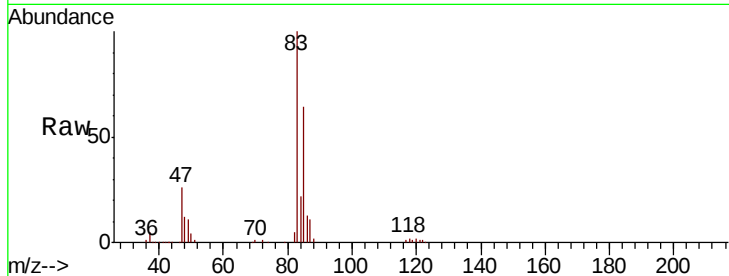
ClientSampled :

Tot Ion: 83 Resp: 231268

Ion Ratio Lower Upper

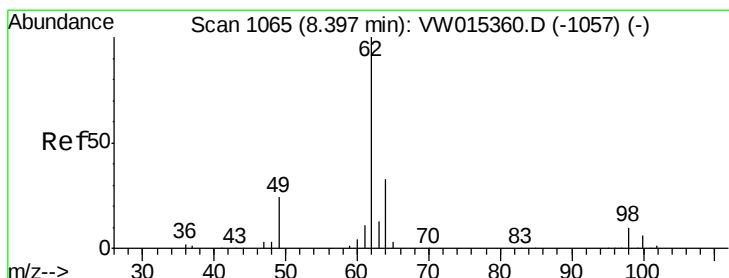
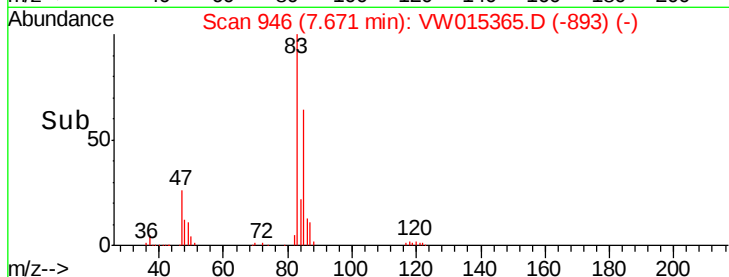
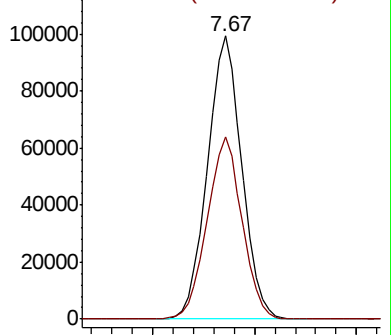
83 100

85 65.6 46.1 85.5



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#27

1,2-Dichloroethane

Concen: 26.133 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW015365.D

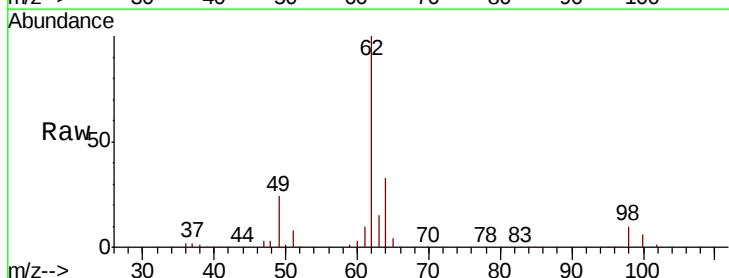
Acq: 28 Apr 2020 16:41

Tgt Ion: 62 Resp: 144484

Ion Ratio Lower Upper

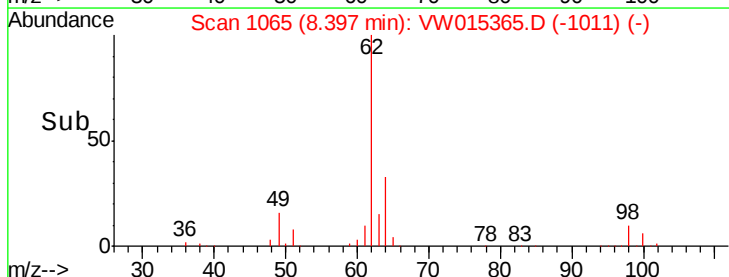
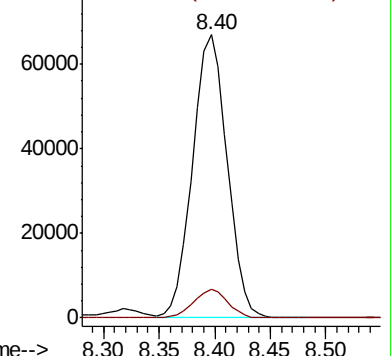
62 100

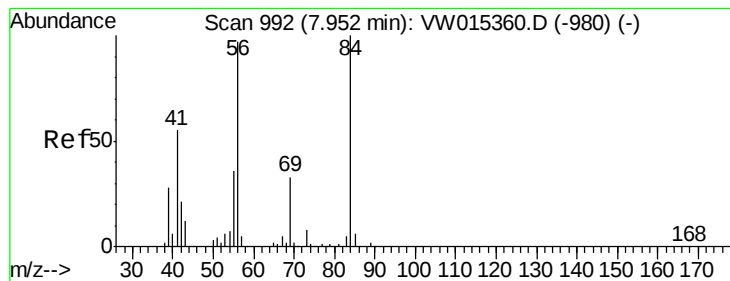
98 10.0 7.9 11.9



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW





#30

Cyclohexane

Concen: 25.863 ug/L

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW015365.D

Acq: 28 Apr 2020 16:41

Instrument :

MSVOA_W

ClientSampled :

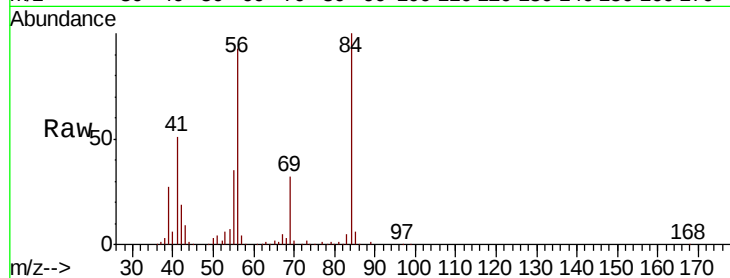
Tot Ion: 56 Resp: 179312

Ion Ratio Lower Upper

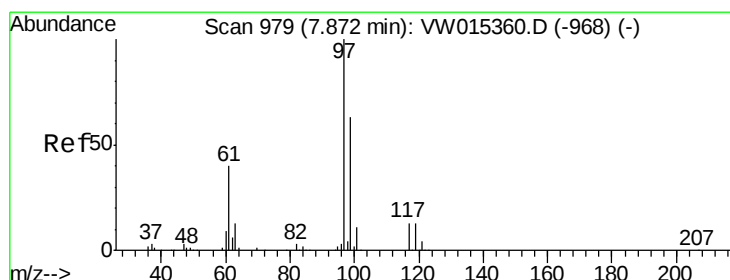
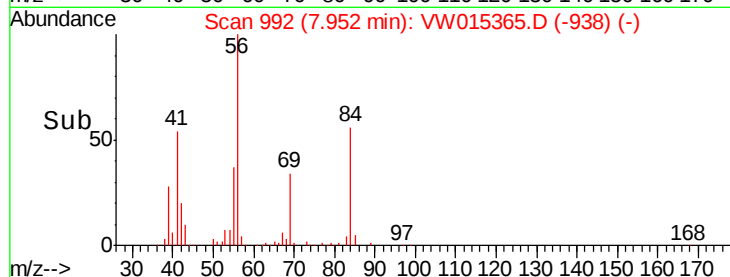
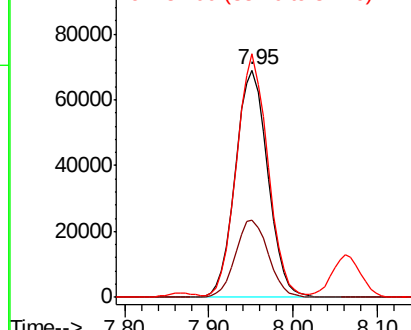
56 100

69 34.4 27.4 41.2

84 104.0 83.2 124.8



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



#31

1,1,1-Trichloroethane

Concen: 26.279 ug/L

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW015365.D

Acq: 28 Apr 2020 16:41

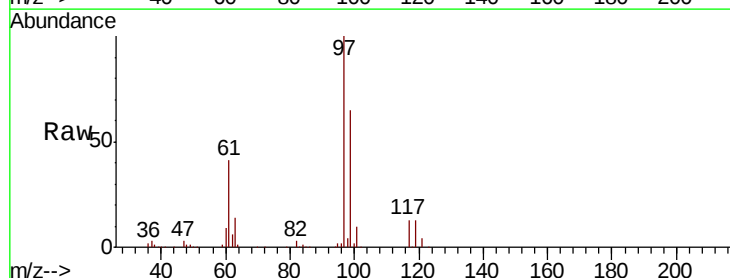
Tgt Ion: 97 Resp: 204743

Ion Ratio Lower Upper

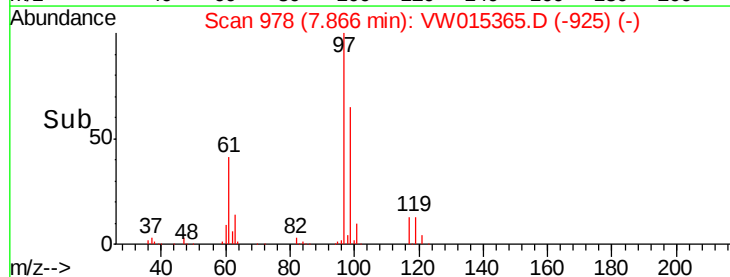
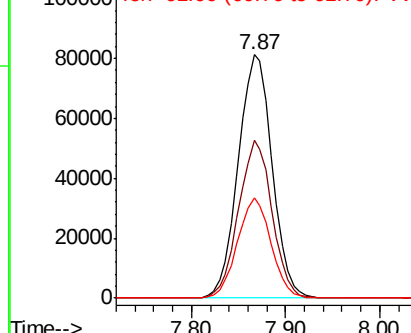
97 100

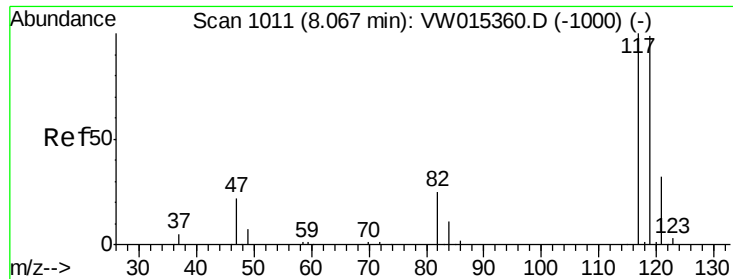
99 64.2 51.4 77.2

61 40.8 32.8 49.2



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: 26.129 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VW015365.D

Acq: 28 Apr 2020 16:41

Instrument :

MSVOA_W

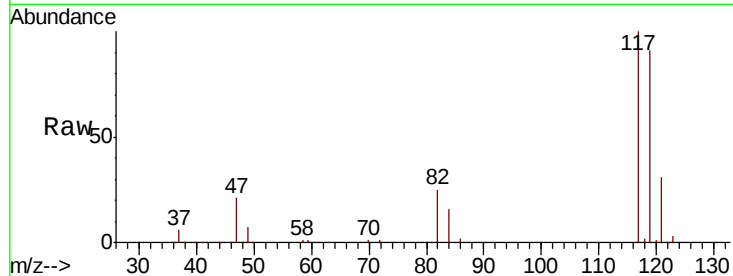
ClientSampleId :

Tot Ion:117 Resp: 196850

Ion Ratio Lower Upper

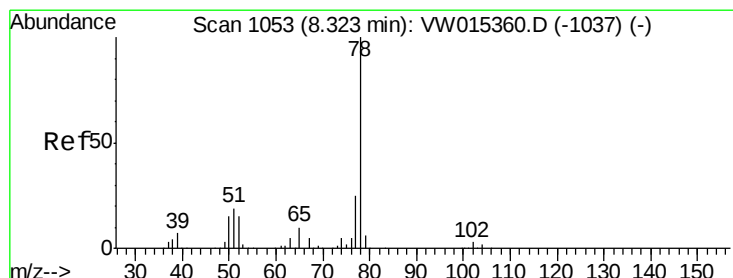
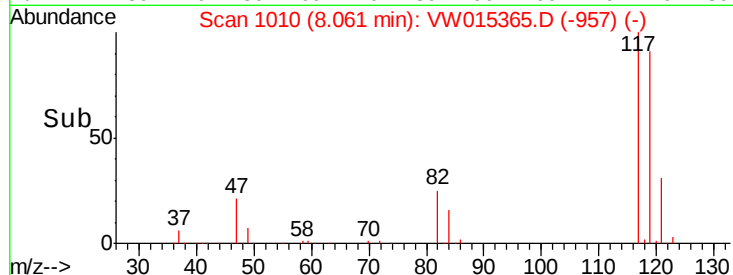
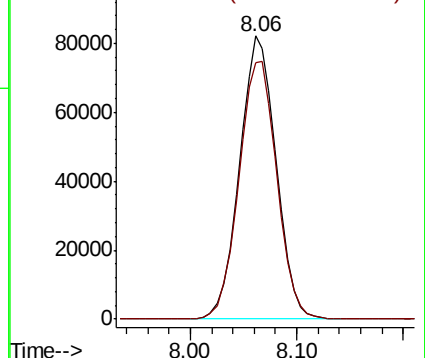
117 100

119 95.0 76.5 114.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 26.531 ug/L

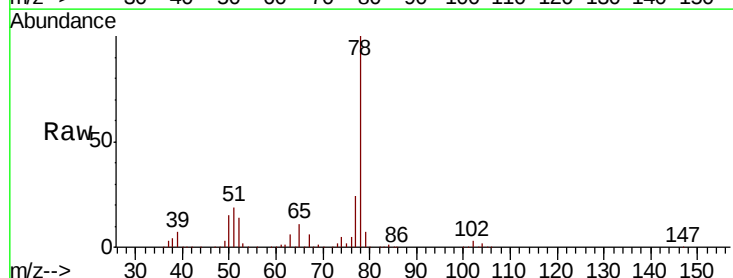
RT: 8.32 min Scan# 1052

Delta R.T. -0.01 min

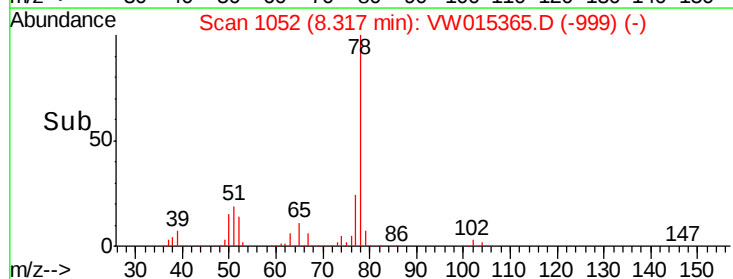
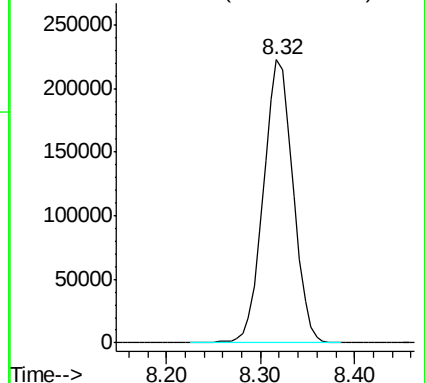
Lab File: VW015365.D

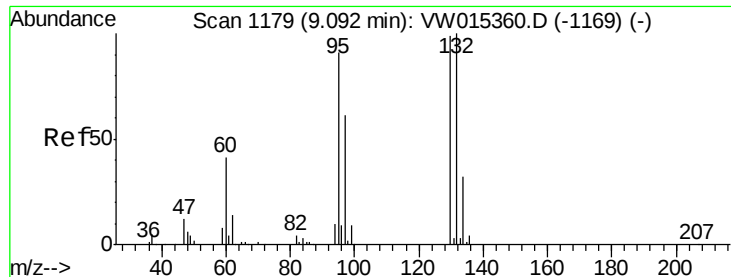
Acq: 28 Apr 2020 16:41

Tgt Ion: 78 Resp: 492455



Abundance Ion 78.00 (77.70 to 78.70): VW

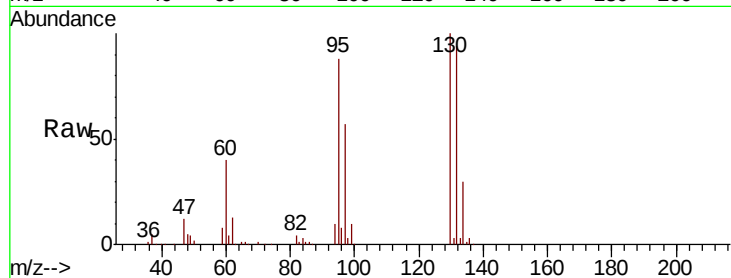




#35
 Trichloroethene
 Concen: 26.534 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: VW015365.D
 Acq: 28 Apr 2020 16:41

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:	95	Resp:	141689
Ion	Ratio	Lower	Upper
95	100		
97	64.1	45.9	85.3
132	106.4	75.2	139.6
130	110.8	76.7	142.5



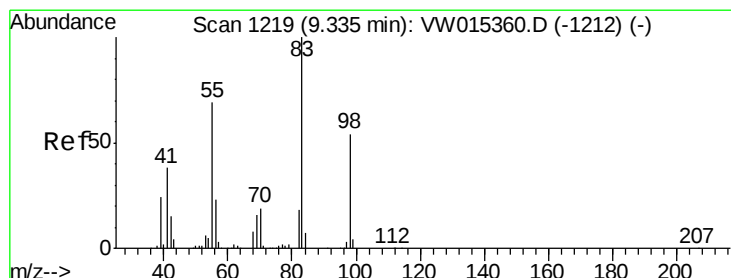
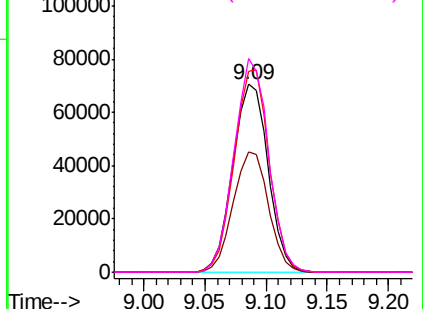
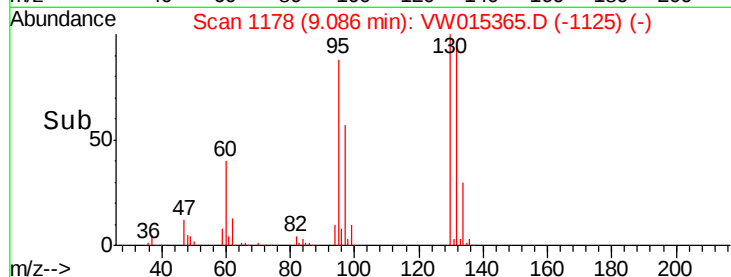
Abundance

Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

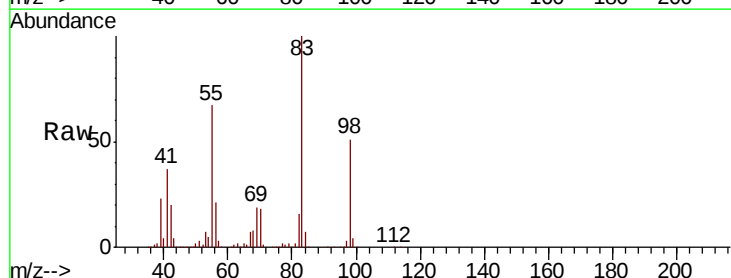
Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36
 Methylcyclohexane
 Concen: 25.810 ug/L
 RT: 9.33 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VW015365.D
 Acq: 28 Apr 2020 16:41

Tgt Ion:	83	Resp:	232344
Ion	Ratio	Lower	Upper
83	100		
55	68.0	53.7	80.5
98	52.2	42.3	63.5

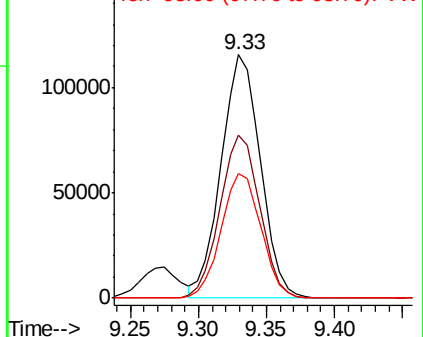
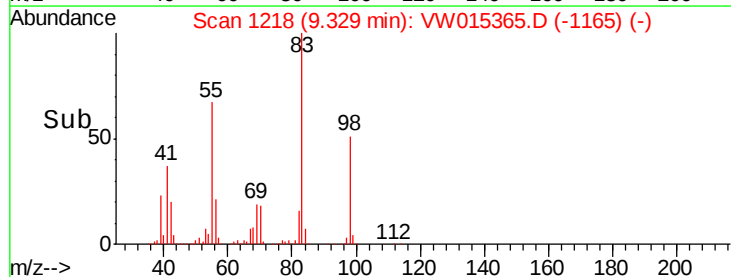


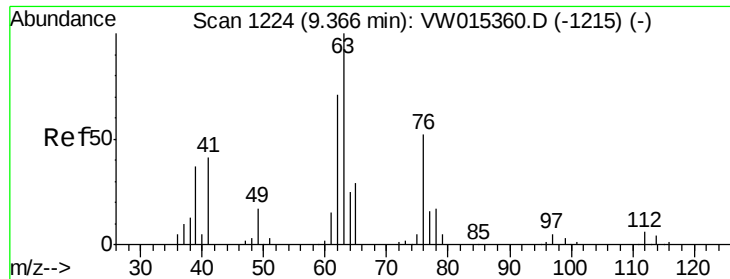
Abundance

Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

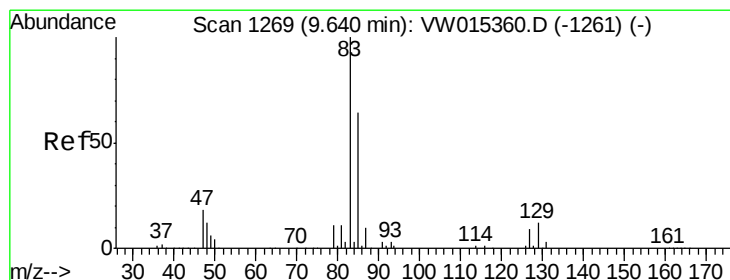
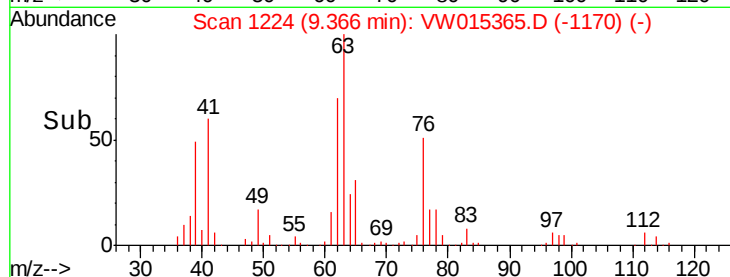
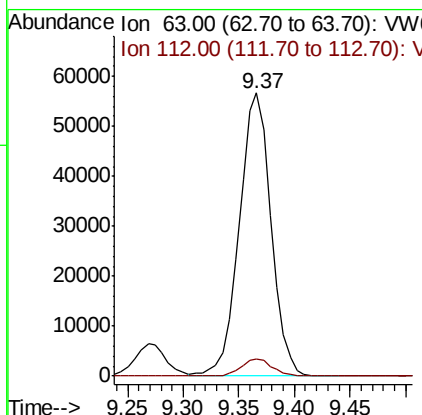
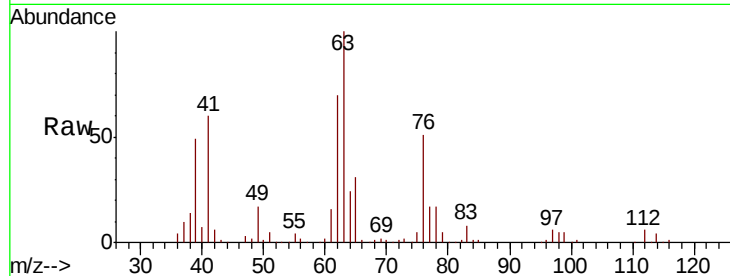




#40
 1,2-Dichloropropane
 Concen: 26.570 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW015365.D
 Acq: 28 Apr 2020 16:41

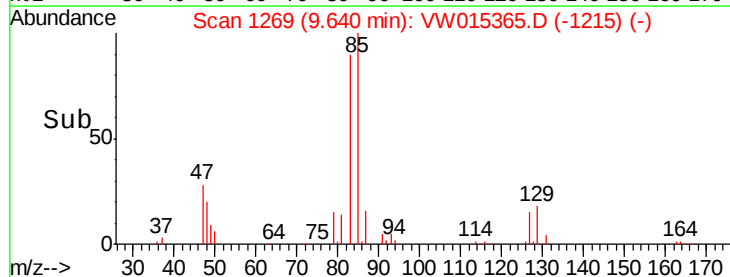
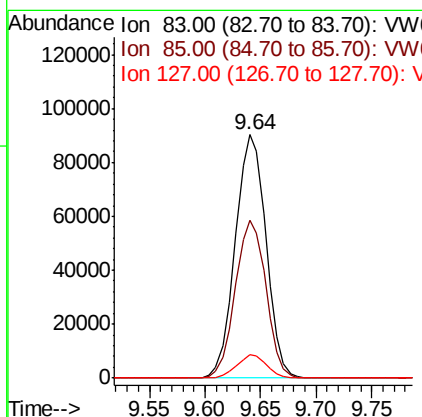
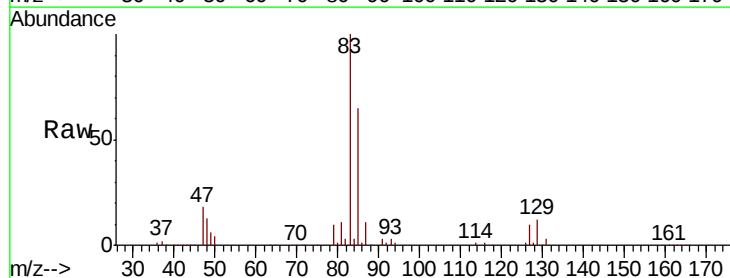
Instrument :
 MSVOA_W
 ClientSampleId :

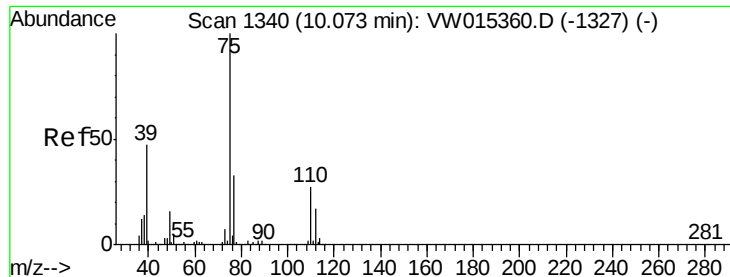
Tot Ion: 63 Resp: 111919
 Ion Ratio Lower Upper
 63 100
 112 5.8 4.6 6.8



#41
 Bromodichloromethane
 Concen: 26.736 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW015365.D
 Acq: 28 Apr 2020 16:41

Tgt Ion: 83 Resp: 172379
 Ion Ratio Lower Upper
 83 100
 85 65.1 44.7 83.1
 127 9.5 7.0 10.6





#42

cis-1,3-Dichloropropene

Concen: 26.417 ug/L

RT: 10.07 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VW015365.D

Acq: 28 Apr 2020 16:41

Instrument :

MSVOA_W

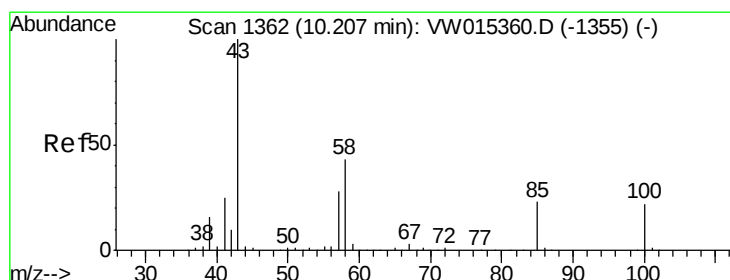
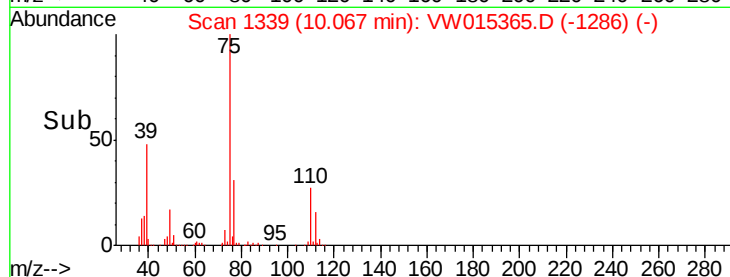
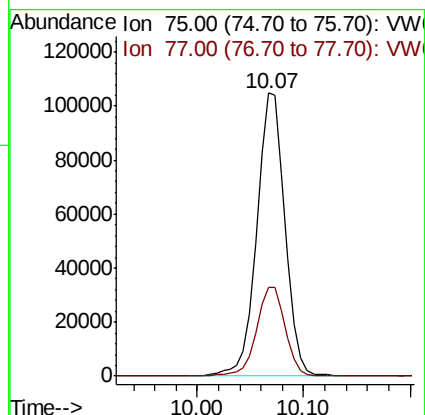
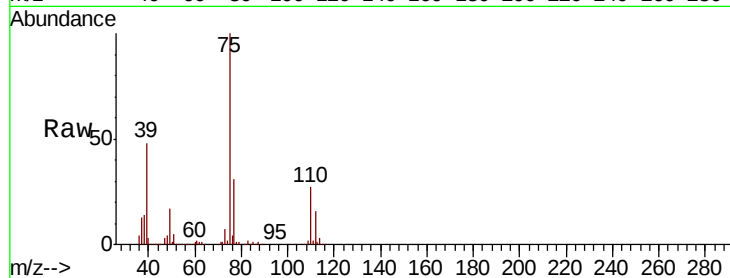
ClientSampled :

Tot Ion: 75 Resp: 194825

Ion Ratio Lower Upper

75 100

77 31.4 22.7 42.3



#43

4-Methyl-2-pentanone

Concen: 42.531 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW015365.D

Acq: 28 Apr 2020 16:41

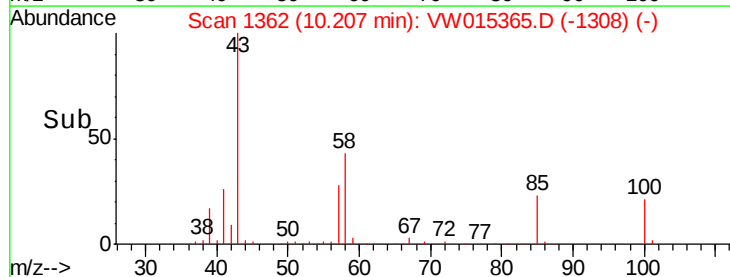
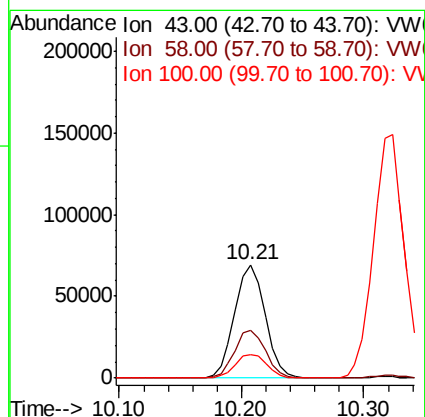
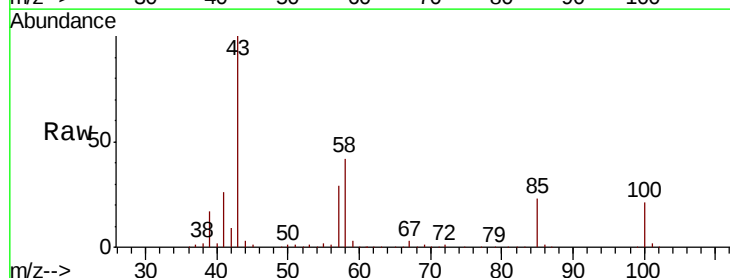
Tgt Ion: 43 Resp: 120808

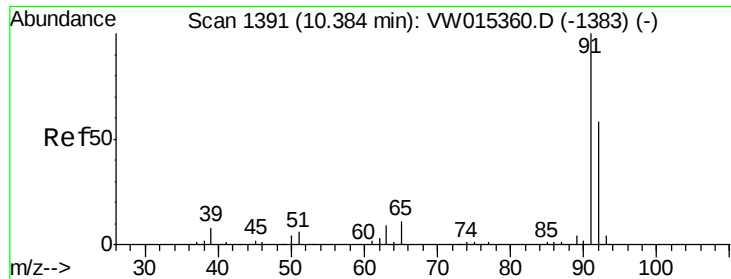
Ion Ratio Lower Upper

43 100

58 42.8 34.2 51.4

100 21.7 17.2 25.8





#44

Toluene

Concen: 26.711 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW015365.D

Acq: 28 Apr 2020 16:41

Instrument :

MSVOA_W

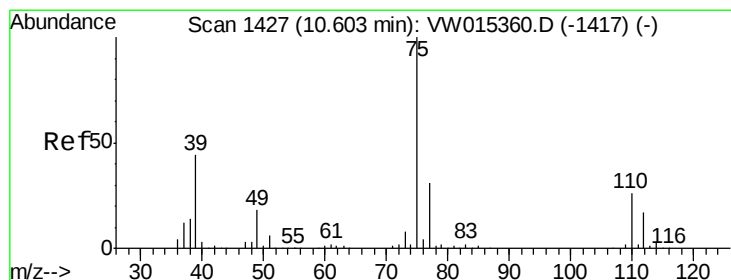
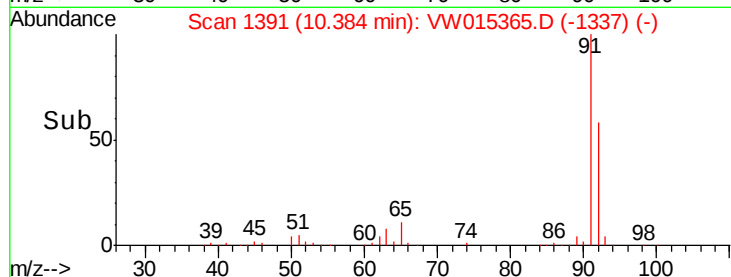
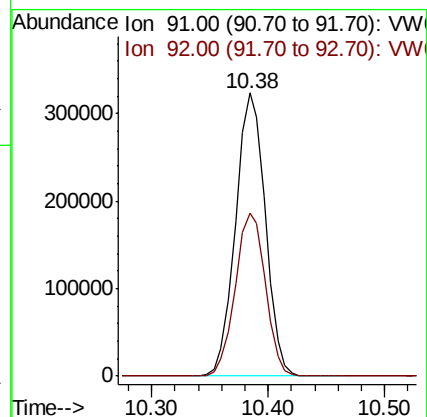
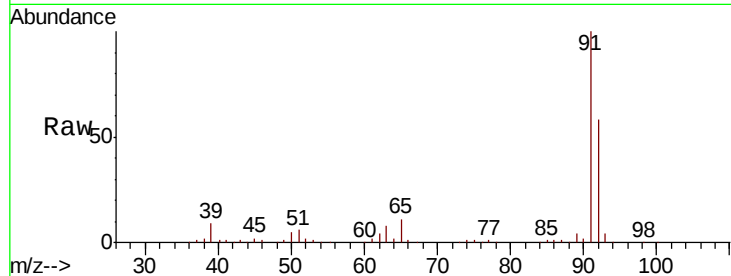
ClientSampleId :

Tot Ion: 91 Resp: 575391

Ion Ratio Lower Upper

91 100

92 57.7 40.7 75.7



#45

trans-1,3-Dichloropropene

Concen: 26.214 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW015365.D

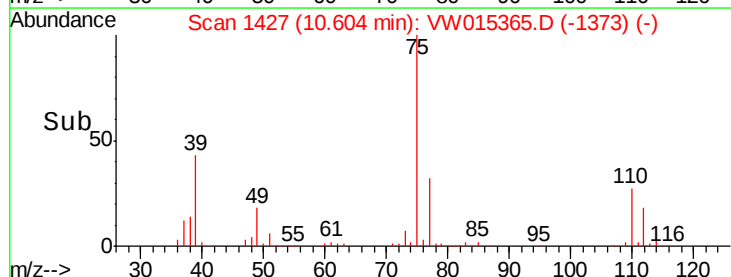
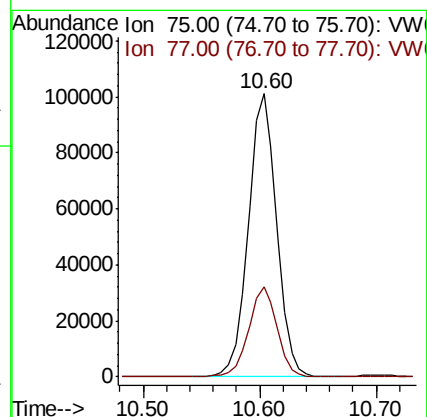
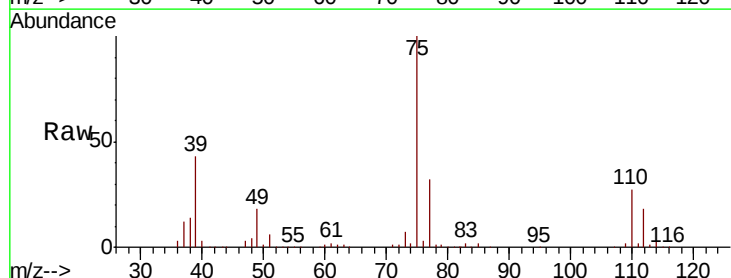
Acq: 28 Apr 2020 16:41

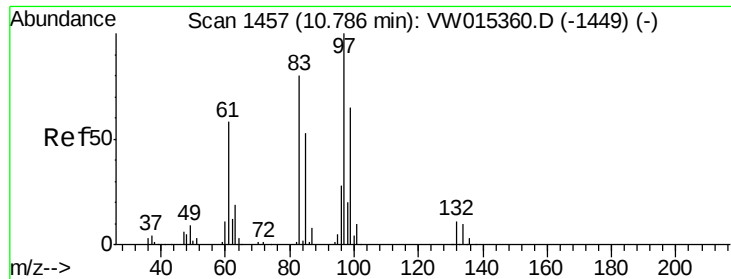
Tgt Ion: 75 Resp: 171838

Ion Ratio Lower Upper

75 100

77 31.9 22.0 41.0





#46

1,1,2-Trichloroethane

Concen: 25.717 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW015365.D

Acq: 28 Apr 2020 16:41

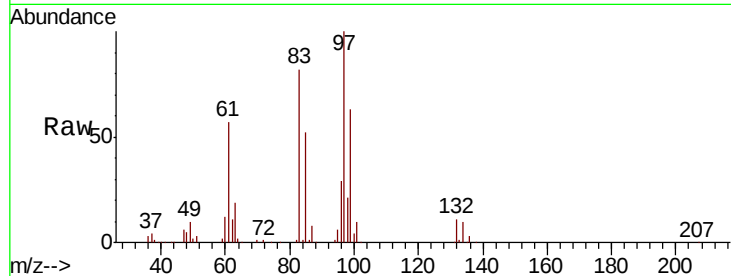
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 92974

Ion	Ratio	Lower	Upper
97	100		
83	81.9	56.1	104.1
85	52.4	37.2	69.0
99	63.0	45.6	84.6



Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW

Time-->

10.79

80000

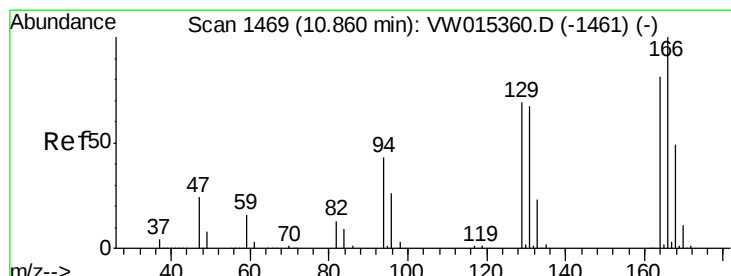
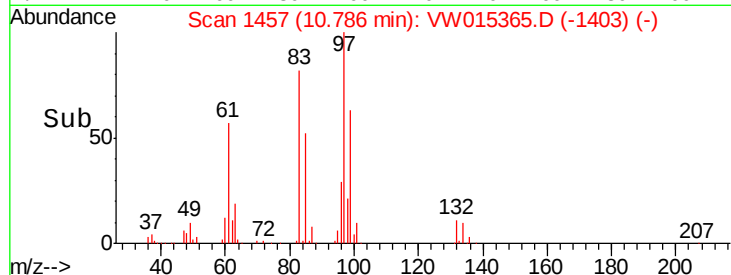
60000

40000

20000

0

10.70 10.75 10.80 10.85



#47

Tetrachloroethene

Concen: 25.619 ug/L

RT: 10.86 min Scan# 1469

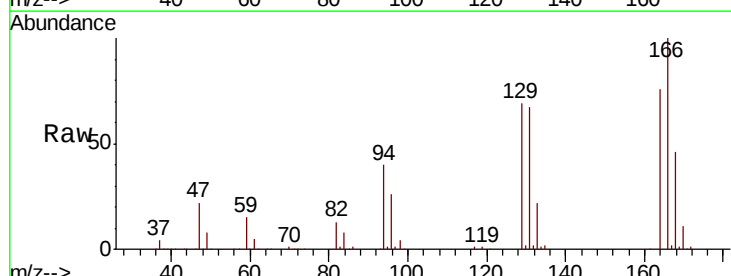
Delta R.T. 0.00 min

Lab File: VW015365.D

Acq: 28 Apr 2020 16:41

Tgt Ion: 164 Resp: 130515

Ion	Ratio	Lower	Upper
164	100		
129	91.4	60.0	111.4
131	88.0	58.0	107.8
166	132.3	86.5	160.6



Abundance

Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

Time-->

10.86

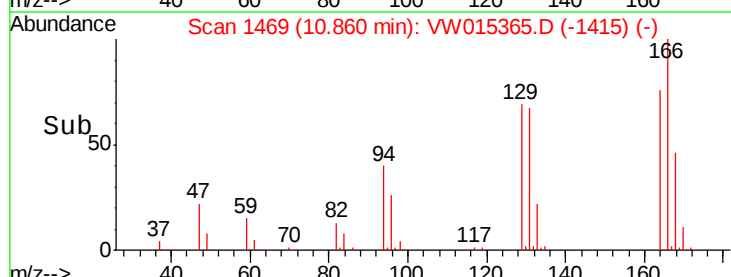
150000

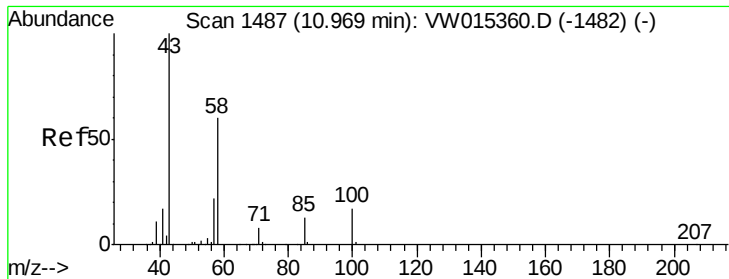
100000

50000

0

10.80 10.85 10.90





#49

2-Hexanone

Concen: 49.645 ug/L

RT: 10.96 min Scan# 1486

Delta R.T. -0.01 min

Lab File: VW015365.D

Acq: 28 Apr 2020 16:41

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 77206

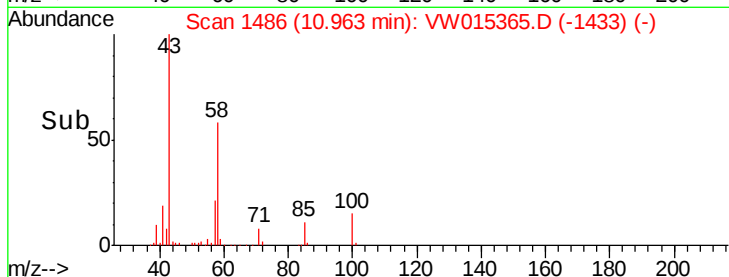
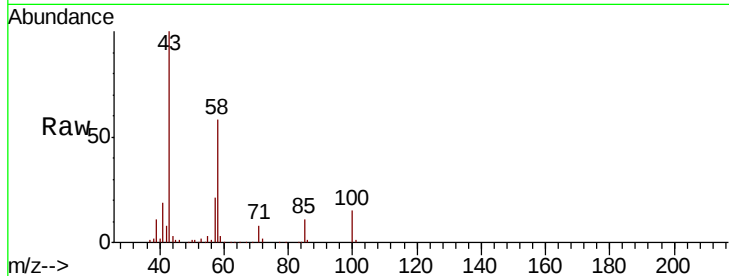
Ion Ratio Lower Upper

43 100

58 59.0 47.1 70.7

57 21.5 16.9 25.3

100 17.0 13.2 19.8

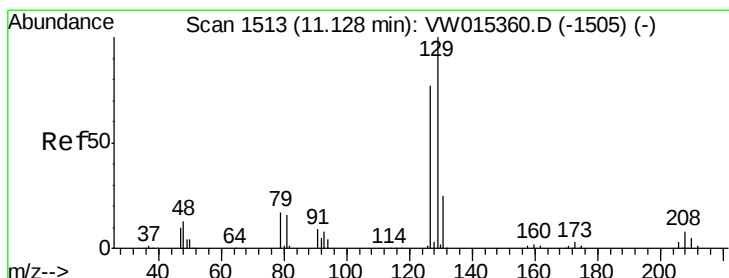
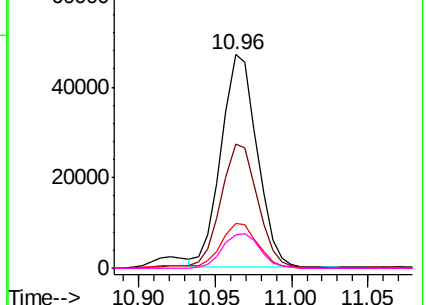


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 26.052 ug/L

RT: 11.12 min Scan# 1512

Delta R.T. -0.01 min

Lab File: VW015365.D

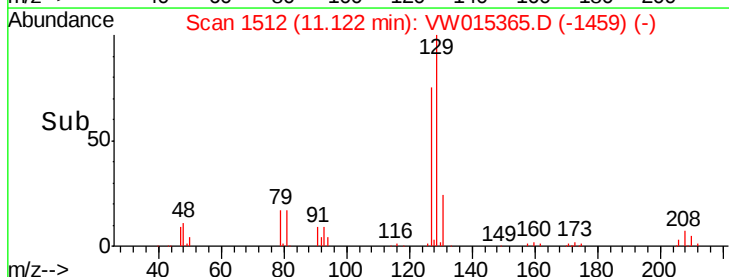
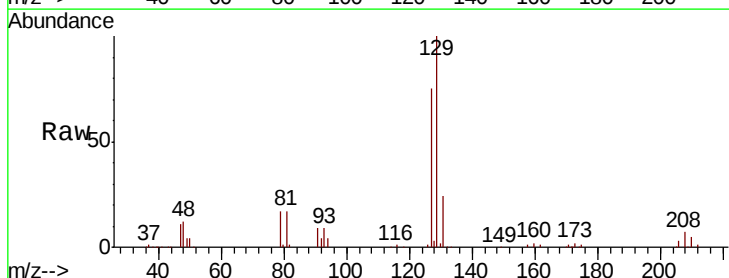
Acq: 28 Apr 2020 16:41

Tgt Ion: 129 Resp: 127375

Ion Ratio Lower Upper

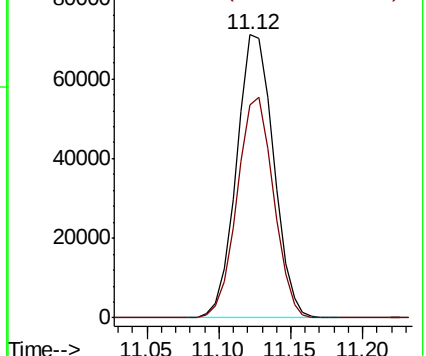
129 100

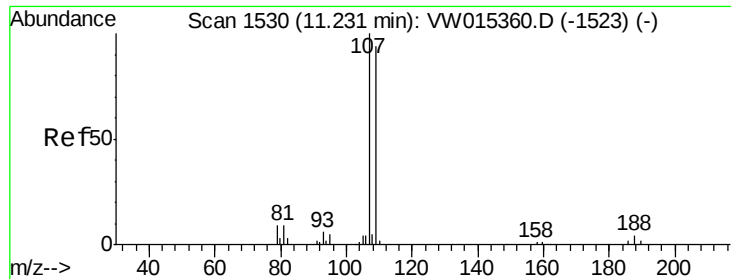
127 75.3 53.9 100.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

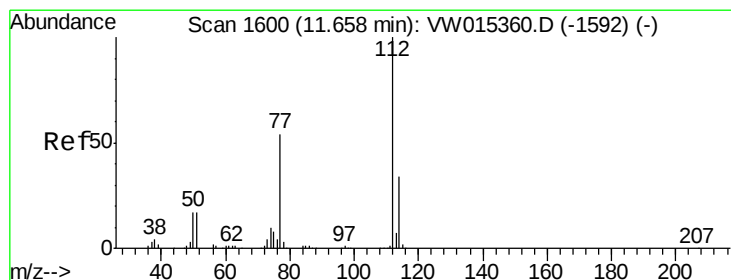
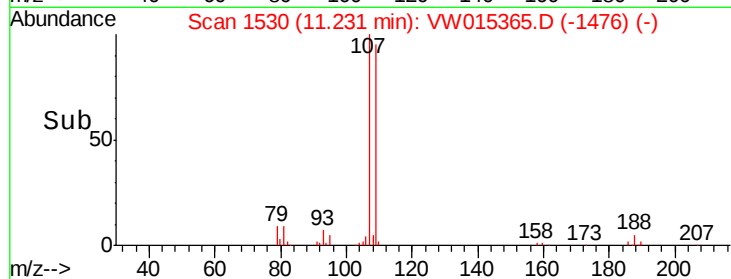
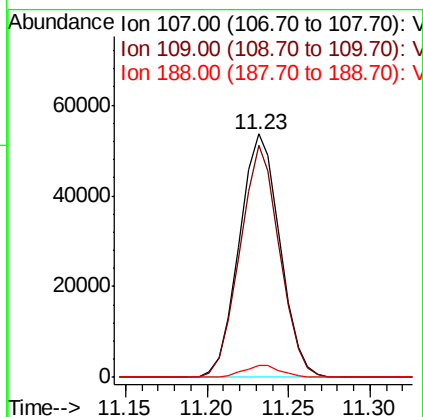
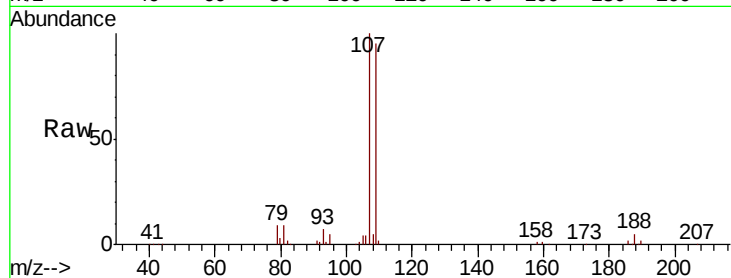




#51
1,2-Dibromoethane
Concen: 25.878 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VW015365.D
Acq: 28 Apr 2020 16:41

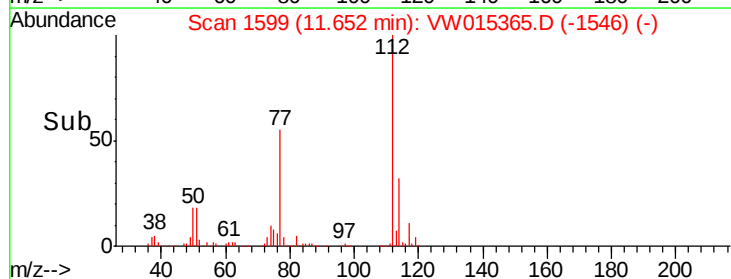
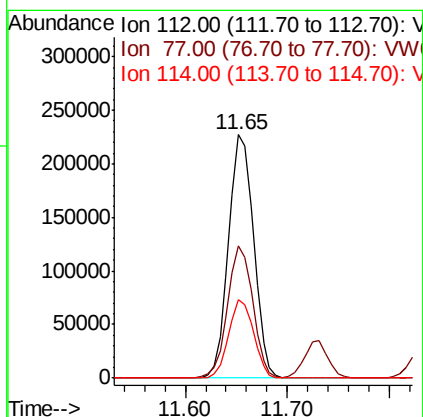
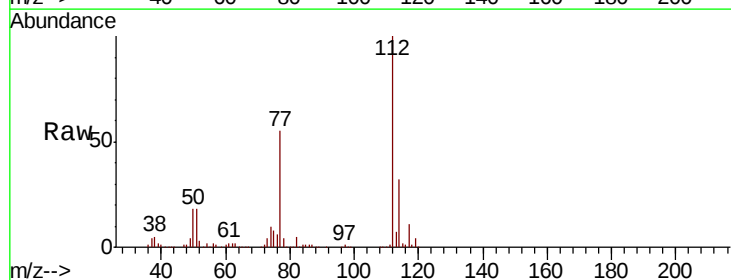
Instrument :
MSVOA_W
ClientSampleId :

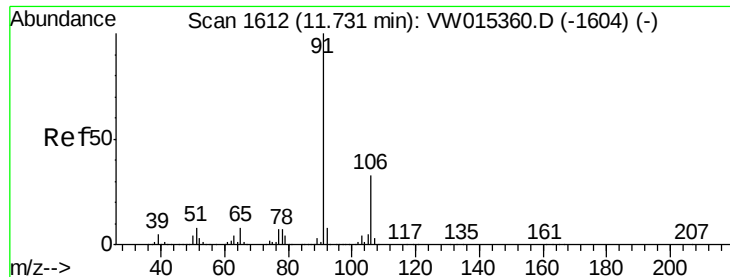
Tot Ion:107 Resp: 93276
Ion Ratio Lower Upper
107 100
109 95.2 65.9 122.5
188 4.7 3.6 5.4



#52
Chlorobenzene
Concen: 26.585 ug/L
RT: 11.65 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VW015365.D
Acq: 28 Apr 2020 16:41

Tgt Ion:112 Resp: 385948
Ion Ratio Lower Upper
112 100
77 54.5 43.8 65.6
114 32.2 23.5 43.7

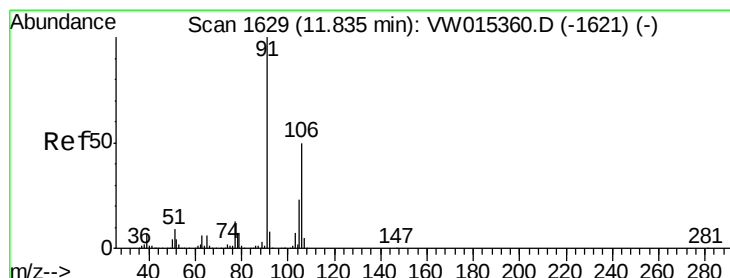
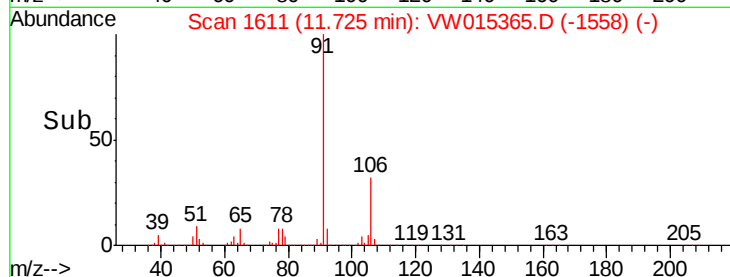
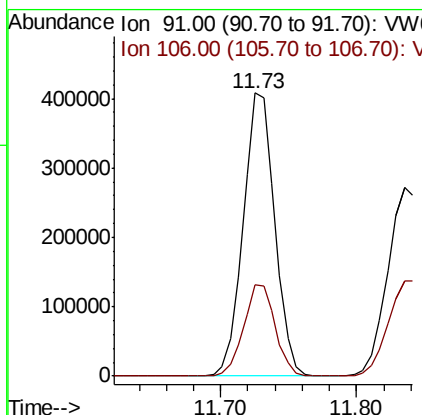
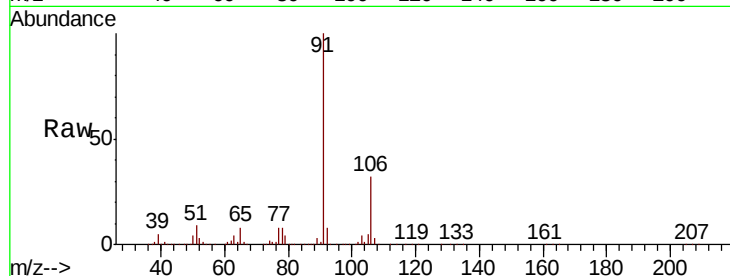




#53
Ethylbenzene
Concen: 26.574 ug/L
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW015365.D
Acq: 28 Apr 2020 16:41

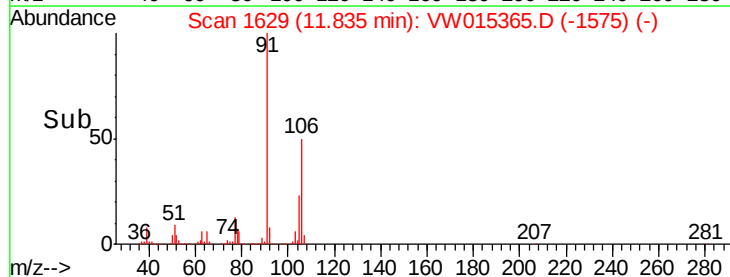
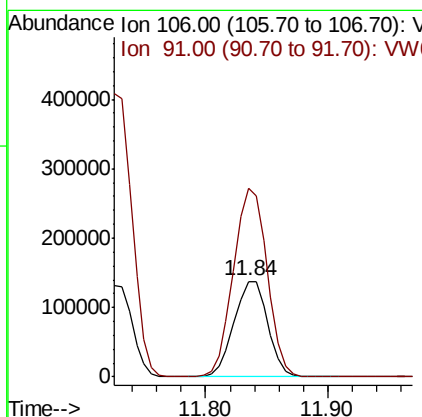
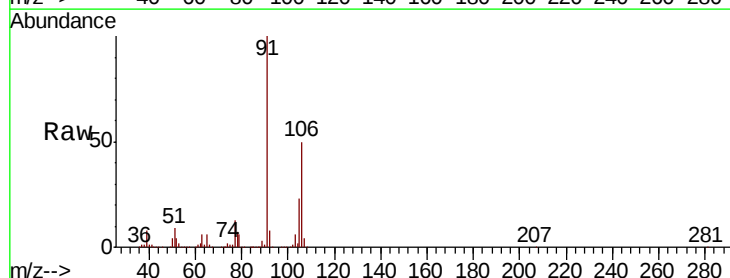
Instrument :
MSVOA_W
ClientSampleId :

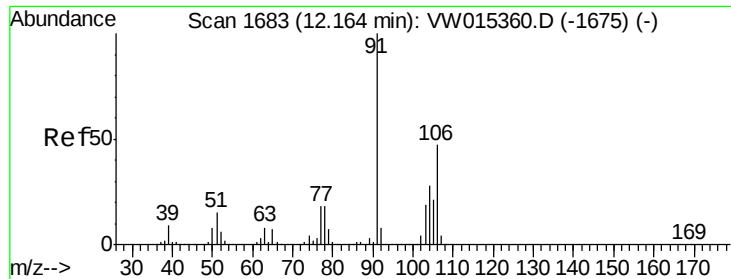
Tot Ion: 91 Resp: 662061
Ion Ratio Lower Upper
91 100
106 32.3 23.0 42.8



#54
m,p-Xylene
Concen: 26.682 ug/L
RT: 11.84 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW015365.D
Acq: 28 Apr 2020 16:41

Tgt Ion:106 Resp: 263150
Ion Ratio Lower Upper
106 100
91 198.3 140.8 261.4





#55

o-xylene

Concen: 26.463 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW015365.D

Acq: 28 Apr 2020 16:41

Instrument :

MSVOA_W

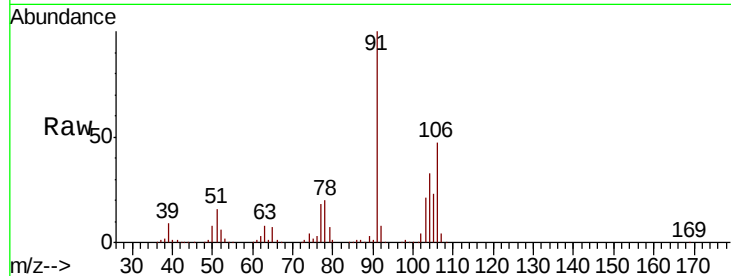
ClientSampled :

Tot Ion:106 Resp: 250388

Ion Ratio Lower Upper

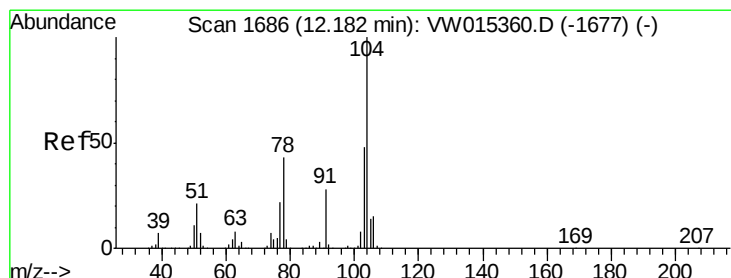
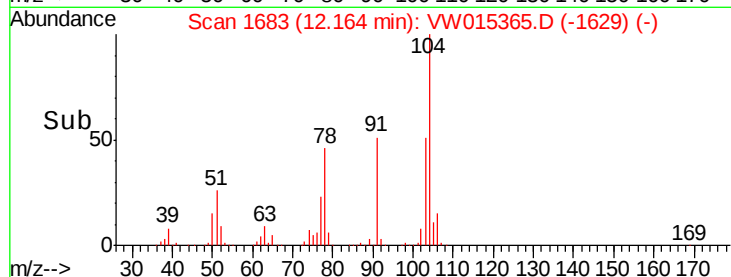
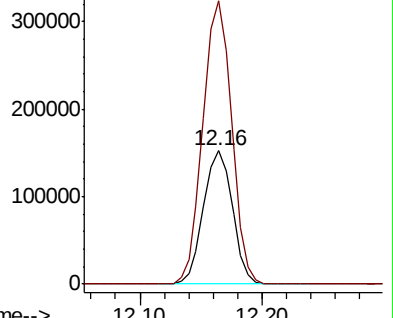
106 100

91 212.3 147.5 273.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 27.051 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VW015365.D

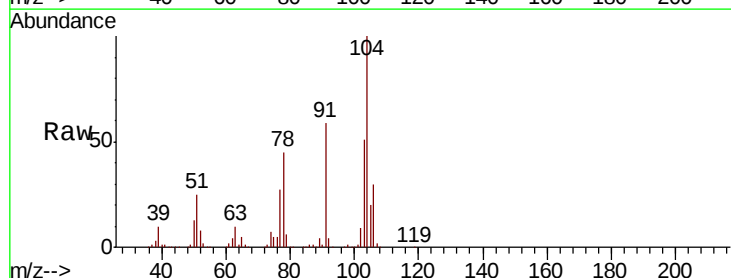
Acq: 28 Apr 2020 16:41

Tgt Ion:104 Resp: 429713

Ion Ratio Lower Upper

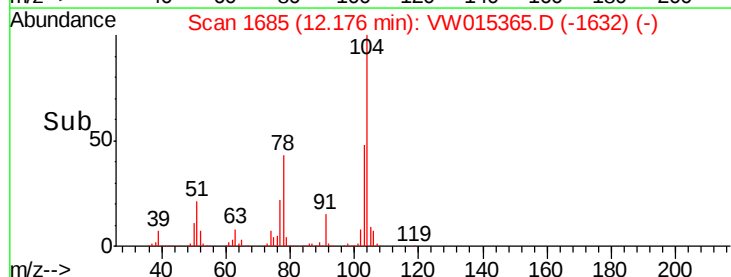
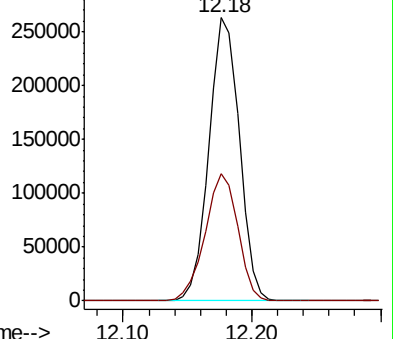
104 100

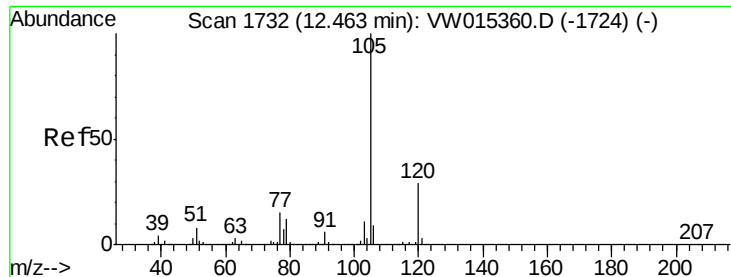
78 45.1 30.1 55.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 27.142 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015365.D

Acq: 28 Apr 2020 16:41

Instrument :

MSVOA_W

ClientSampleId :

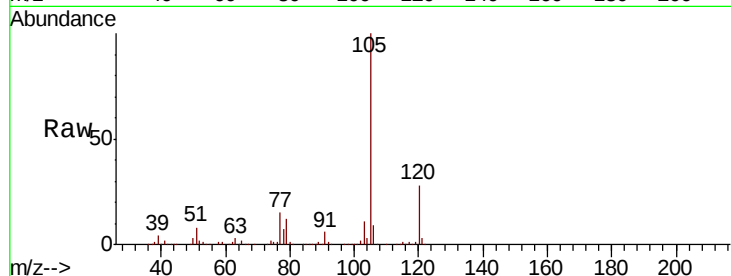
Tot Ion:105 Resp: 699247

Ion Ratio Lower Upper

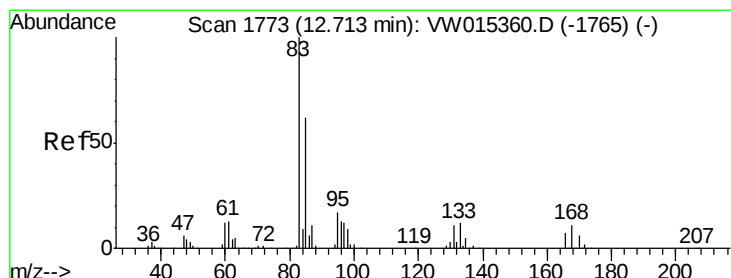
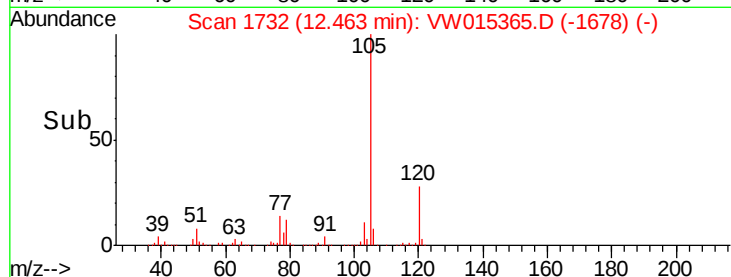
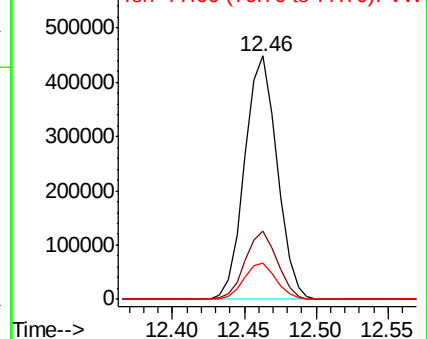
105 100

120 27.7 22.4 33.6

77 14.8 12.2 18.2



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V
Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 25.643 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015365.D

Acq: 28 Apr 2020 16:41

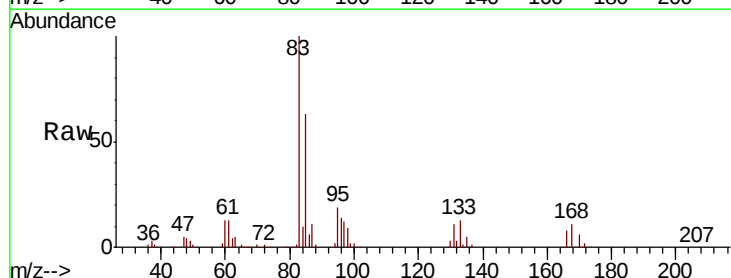
Tgt Ion: 83 Resp: 103112

Ion Ratio Lower Upper

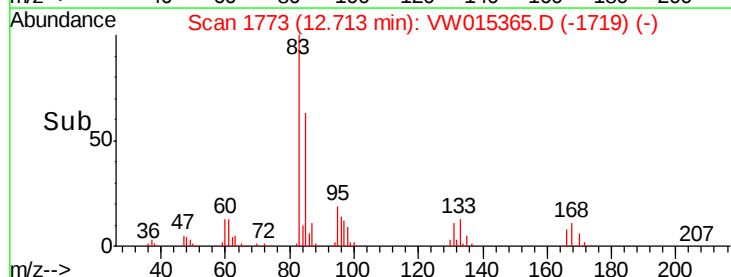
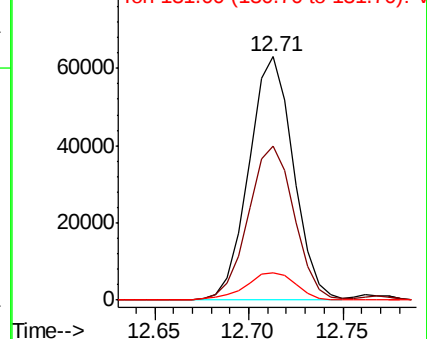
83 100

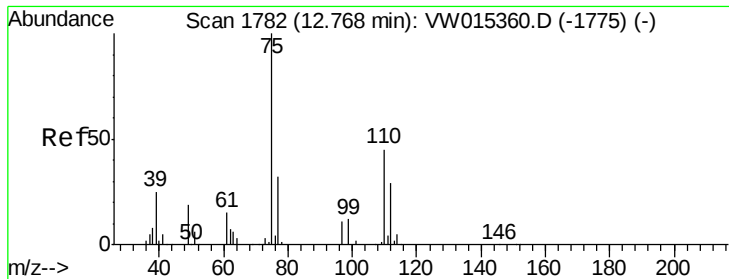
85 63.5 43.8 81.3

131 11.3 9.1 13.7



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

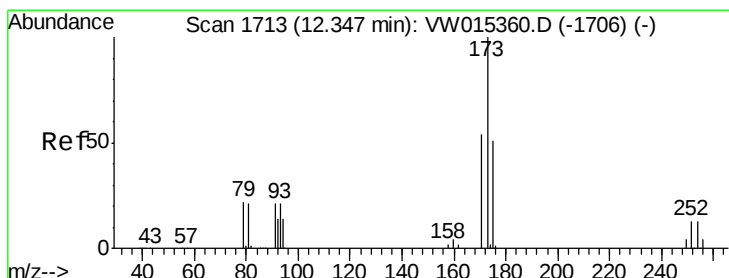
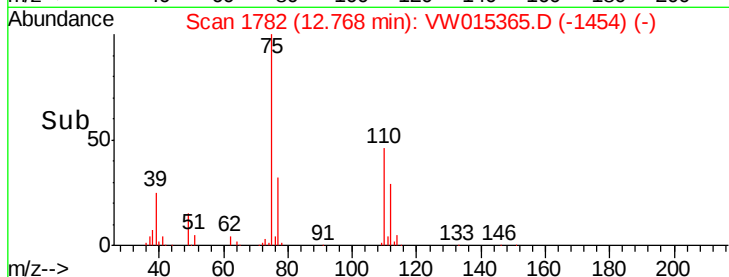
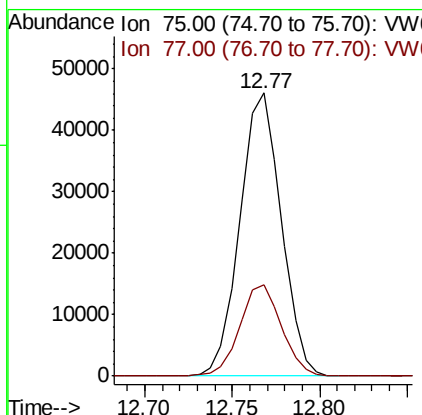
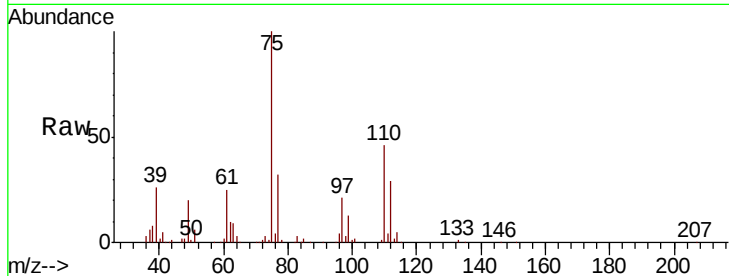




#59
 1,2,3-Trichloropropane
 Concen: 25.837 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW015365.D
 Acq: 28 Apr 2020 16:41

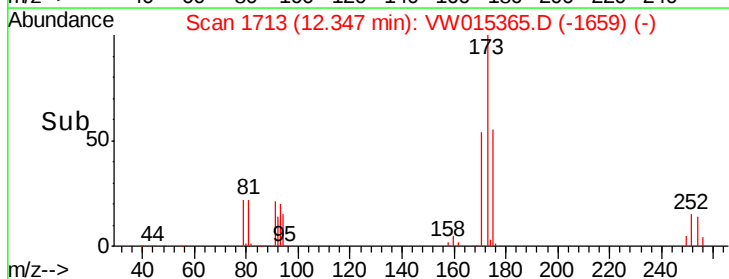
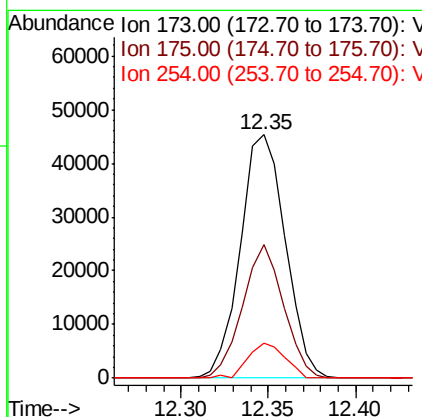
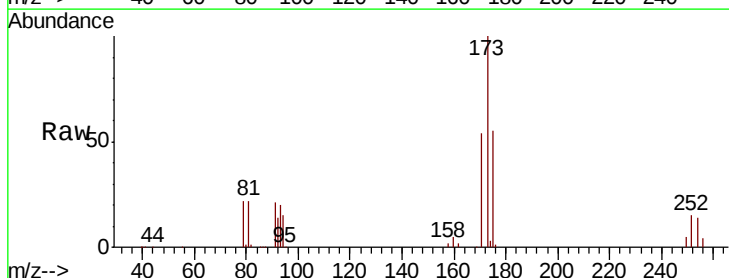
Instrument :
 MSVOA_W
 ClientSampled :

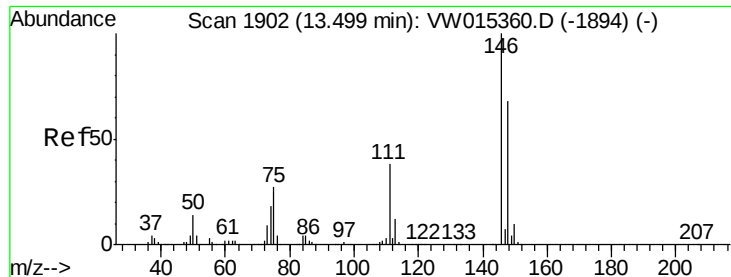
Tot Ion: 75 Resp: 75768
 Ion Ratio Lower Upper
 75 100
 77 32.4 26.4 39.6



#62
 Bromoform
 Concen: 25.586 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. 0.00 min
 Lab File: VW015365.D
 Acq: 28 Apr 2020 16:41

Tgt Ion: 173 Resp: 81122
 Ion Ratio Lower Upper
 173 100
 175 50.1 40.4 60.6
 254 11.5 9.8 14.8

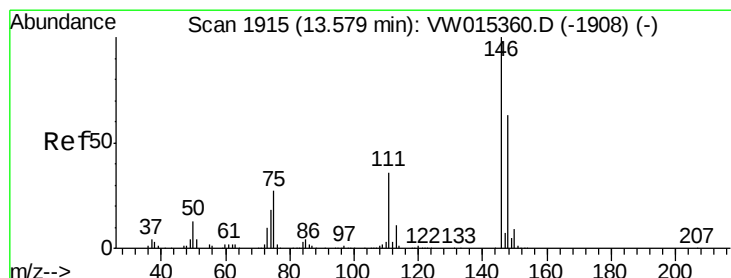
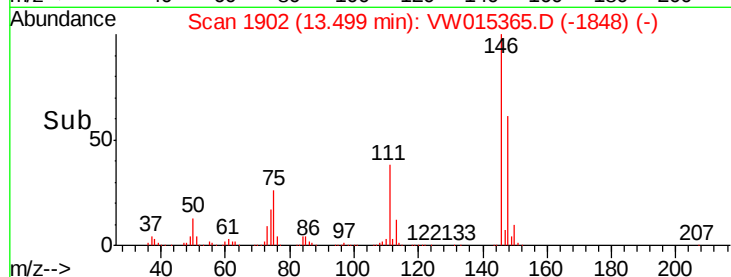
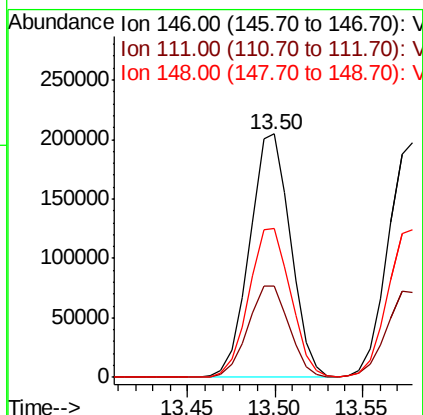
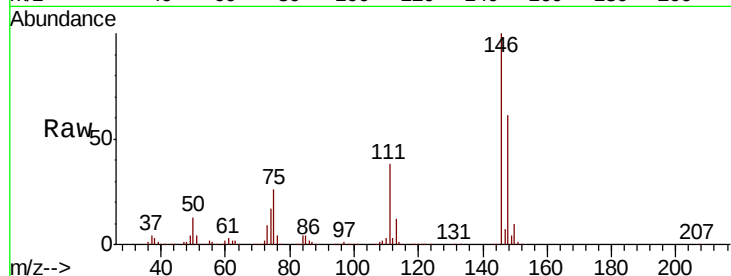




#63
 1,3-Dichlorobenzene
 Concen: 27.173 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015365.D
 Acq: 28 Apr 2020 16:41

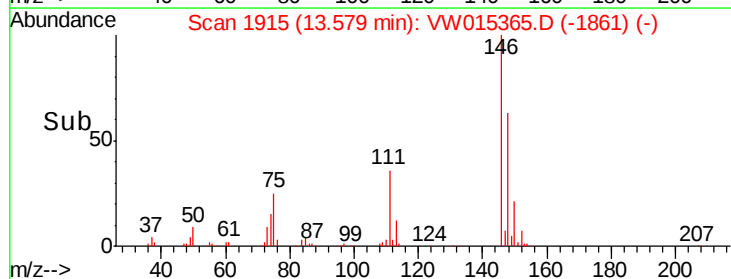
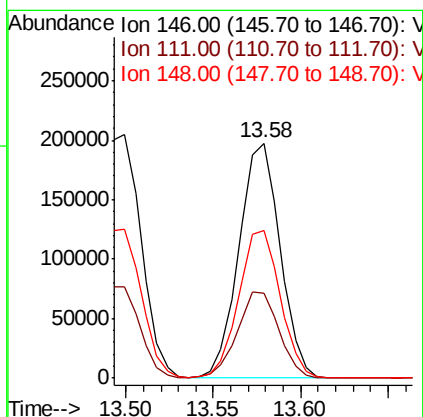
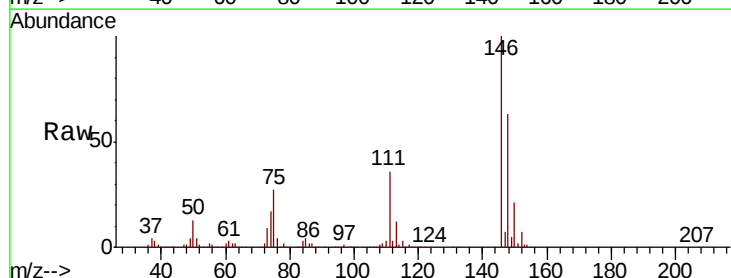
Instrument :
 MSVOA_W
 ClientSampleId :

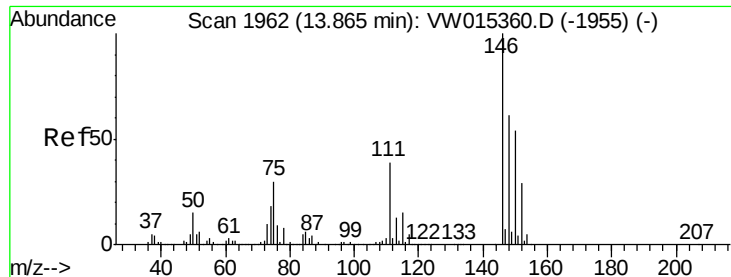
Tot Ion:146 Resp: 333126
 Ion Ratio Lower Upper
 146 100
 111 37.7 26.6 49.4
 148 61.0 47.5 88.3



#64
 1,4-Dichlorobenzene
 Concen: 26.618 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015365.D
 Acq: 28 Apr 2020 16:41

Tgt Ion:146 Resp: 322846
 Ion Ratio Lower Upper
 146 100
 111 36.0 25.5 47.3
 148 63.1 44.2 82.2





#65

1,2-Dichlorobenzene

Concen: 26.160 ug/L

RT: 13.87 min Scan# 1962

Delta R.T. 0.00 min

Lab File: VW015365.D

Acq: 28 Apr 2020 16:41

Instrument :

MSVOA_W

ClientSampleId :

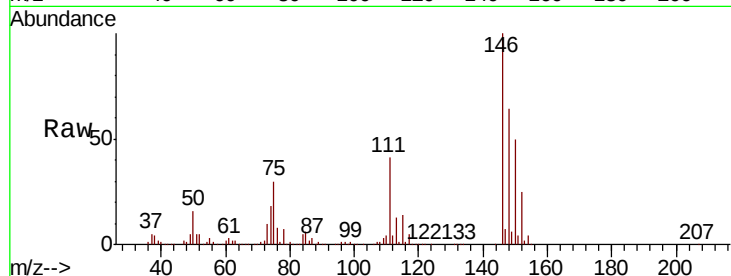
Tot Ion:146 Resp: 287901

Ion Ratio Lower Upper

146 100

111 40.9 31.4 47.0

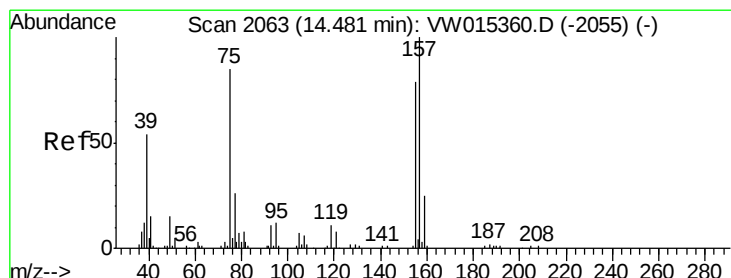
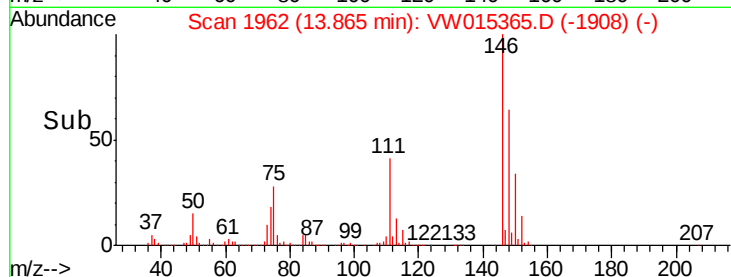
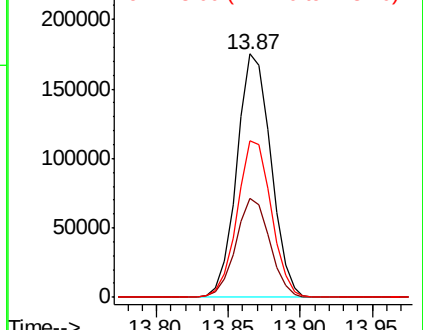
148 64.1 48.9 73.3



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: 25.160 ug/L

RT: 14.48 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VW015365.D

Acq: 28 Apr 2020 16:41

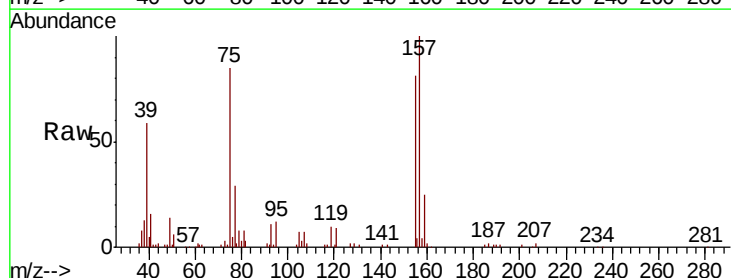
Tgt Ion: 75 Resp: 18117

Ion Ratio Lower Upper

75 100

157 117.8 94.6 141.8

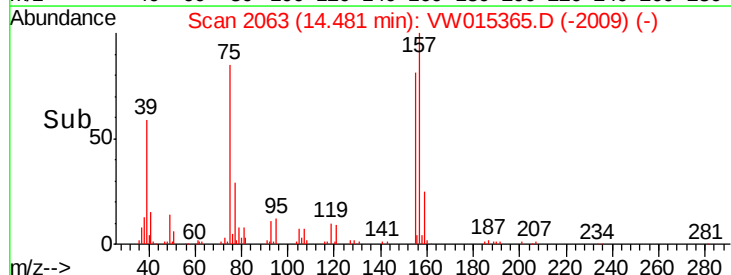
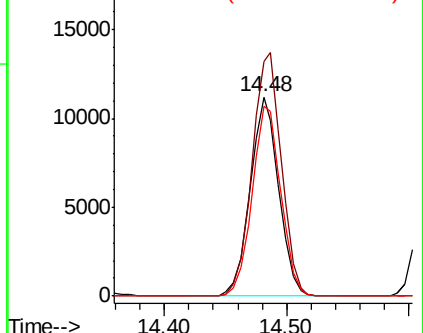
155 95.6 75.0 112.6

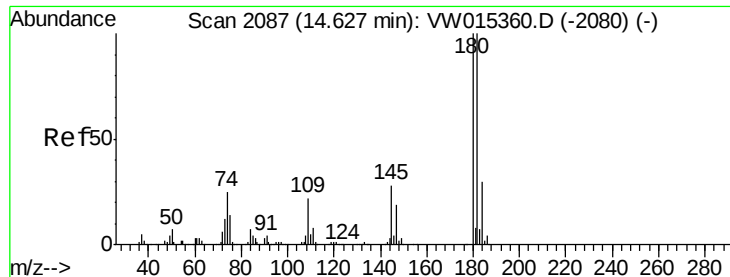


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

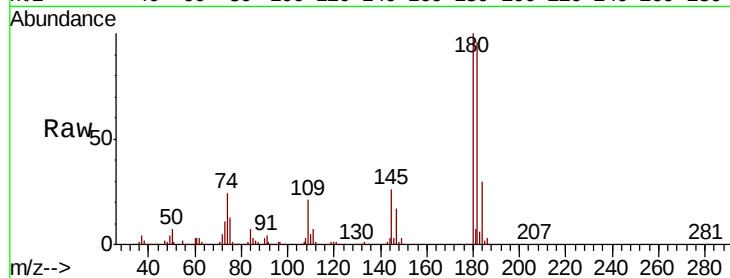




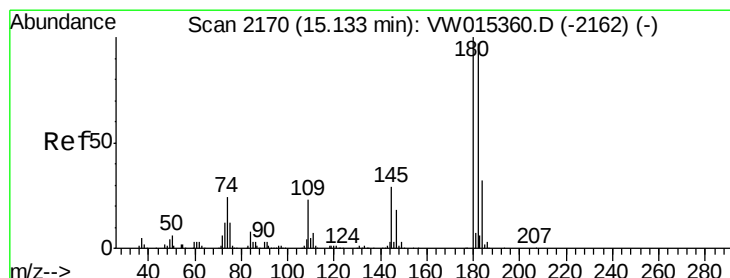
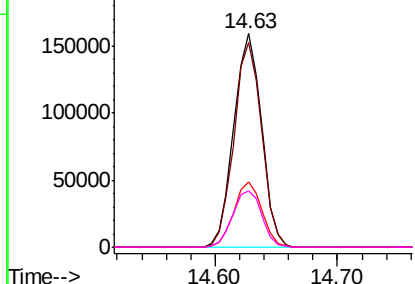
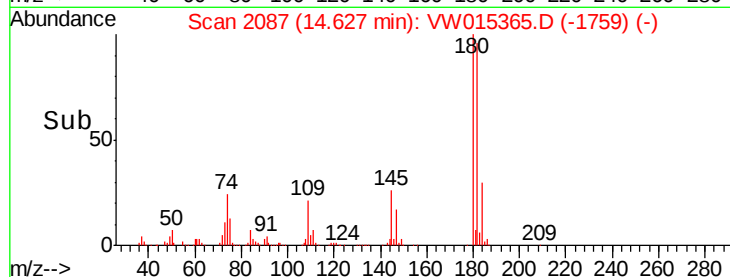
#67
 1,3,5-Trichlorobenzene
 Concen: 26.270 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW015365.D
 Acq: 28 Apr 2020 16:41

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:180	Resp:	248959
Ion	Ratio	Lower Upper
180	100	
182	95.5	78.3 117.5
184	30.8	25.0 37.4
145	27.7	22.9 34.3

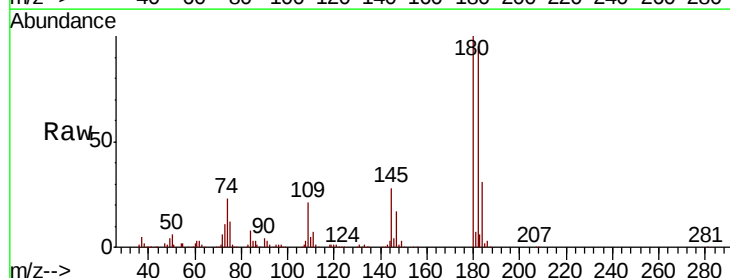


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

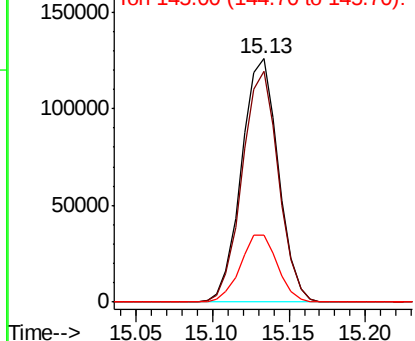
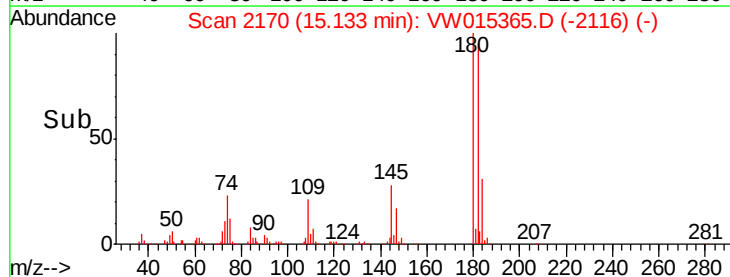


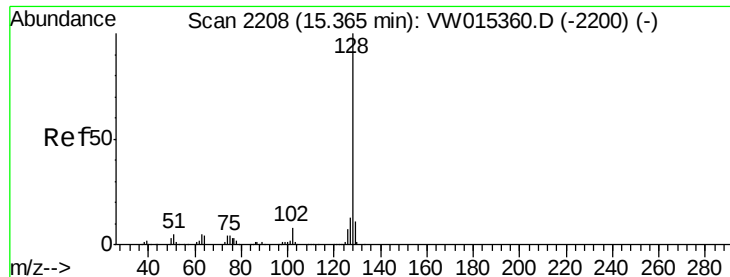
#68
 1,2,4-trichlorobenzene
 Concen: 27.061 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015365.D
 Acq: 28 Apr 2020 16:41

Tgt Ion:180	Resp:	210780
Ion	Ratio	Lower Upper
180	100	
182	93.9	77.9 116.9
145	28.0	22.8 34.2



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





#69

Naphthalene

Concen: 25.599 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW015365.D

Acq: 28 Apr 2020 16:41

Instrument :

MSVOA_W

ClientSampled :

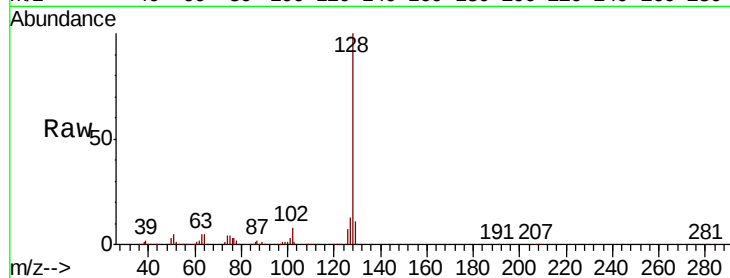
Tot Ion:128 Resp: 333353

Ion Ratio Lower Upper

128 100

129 10.9 8.6 13.0

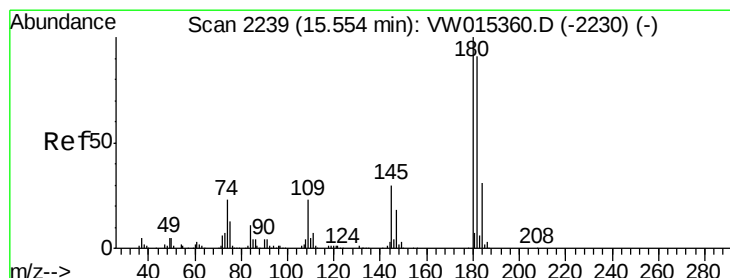
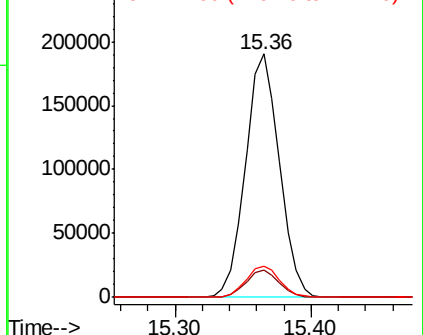
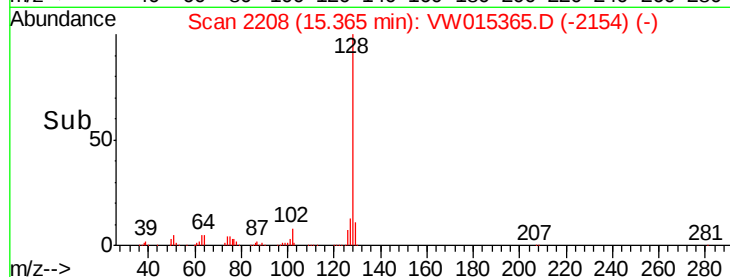
127 12.8 10.2 15.4



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: 26.045 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW015365.D

Acq: 28 Apr 2020 16:41

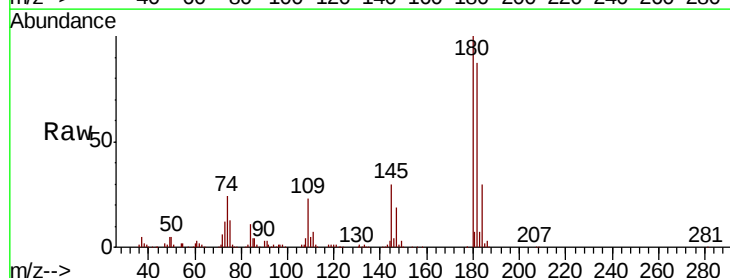
Tgt Ion:180 Resp: 175182

Ion Ratio Lower Upper

180 100

182 93.4 75.8 113.6

145 30.5 24.4 36.6



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

