

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042720\
 Data File : VW015356.D
 Acq On : 27 Apr 2020 16:16
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 28 06:13:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042720S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 28 06:11:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	335588	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	327894	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	178484	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	78144	21.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.64%
7) Chloroethane-d5	2.89	69	73557	21.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.52%
10) 1,1-Dichloroethene-d2	4.03	63	150568	21.59	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	86.36%
20) 2-Butanone-d5	7.08	46	38698	48.47	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.94%
24) Chloroform-d	7.65	84	138341	22.83	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.32%
26) 1,2-Dichloroethane-d4	8.31	65	85568	21.77	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	87.08%
29) Benzene-d6	8.27	84	309955	21.18	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	84.72%
33) 1,2-Dichloropropane-d6	9.27	67	87198	21.41	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	85.64%
37) Toluene-d8	10.32	98	334843	21.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	86.48%
38) trans-1,3-Dichloropropene-	10.58	79	45831	21.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.68%
39) 2-Hexanone-d5	10.92	63	35166	46.00	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.00%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	79642	23.14	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	92.56%
61) 1,2-Dichlorobenzene-d4	13.85	152	138583	22.27	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.08%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.00	85	107086	22.691	ug/L 100
3) Chloromethane	2.22	50	93171	23.276	ug/L 98
5) Vinyl chloride	2.36	62	109149	23.287	ug/L 98
6) Bromomethane	2.78	94	79678	24.187	ug/L 98
8) Chloroethane	2.92	64	69851	23.366	ug/L 100
9) Trichlorofluoromethane	3.26	101	165194	23.192	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	101023	22.996	ug/L 99
12) 1,1-Dichloroethene	4.04	96	92647	23.434	ug/L 92
13) Acetone	4.13	43	35037	49.125	ug/L 98
14) Carbon disulfide	4.39	76	284292	23.169	ug/L 99
15) Methyl Acetate	4.67	43	32237	23.492	ug/L 98
16) Methylene chloride	4.92	84	100590	23.115	ug/L 99
17) Methyl tert-butyl Ether	5.43	73	223277	23.601	ug/L 99
18) trans-1,2-Dichloroethene	5.43	96	101914	23.059	ug/L 97
19) 1,1-Dichloroethane	6.22	63	157970	23.320	ug/L 99
21) 2-Butanone	7.17	43	50307	50.846	ug/L 98
22) cis-1,2-Dichloroethene	7.17	96	110075	23.764	ug/L 96

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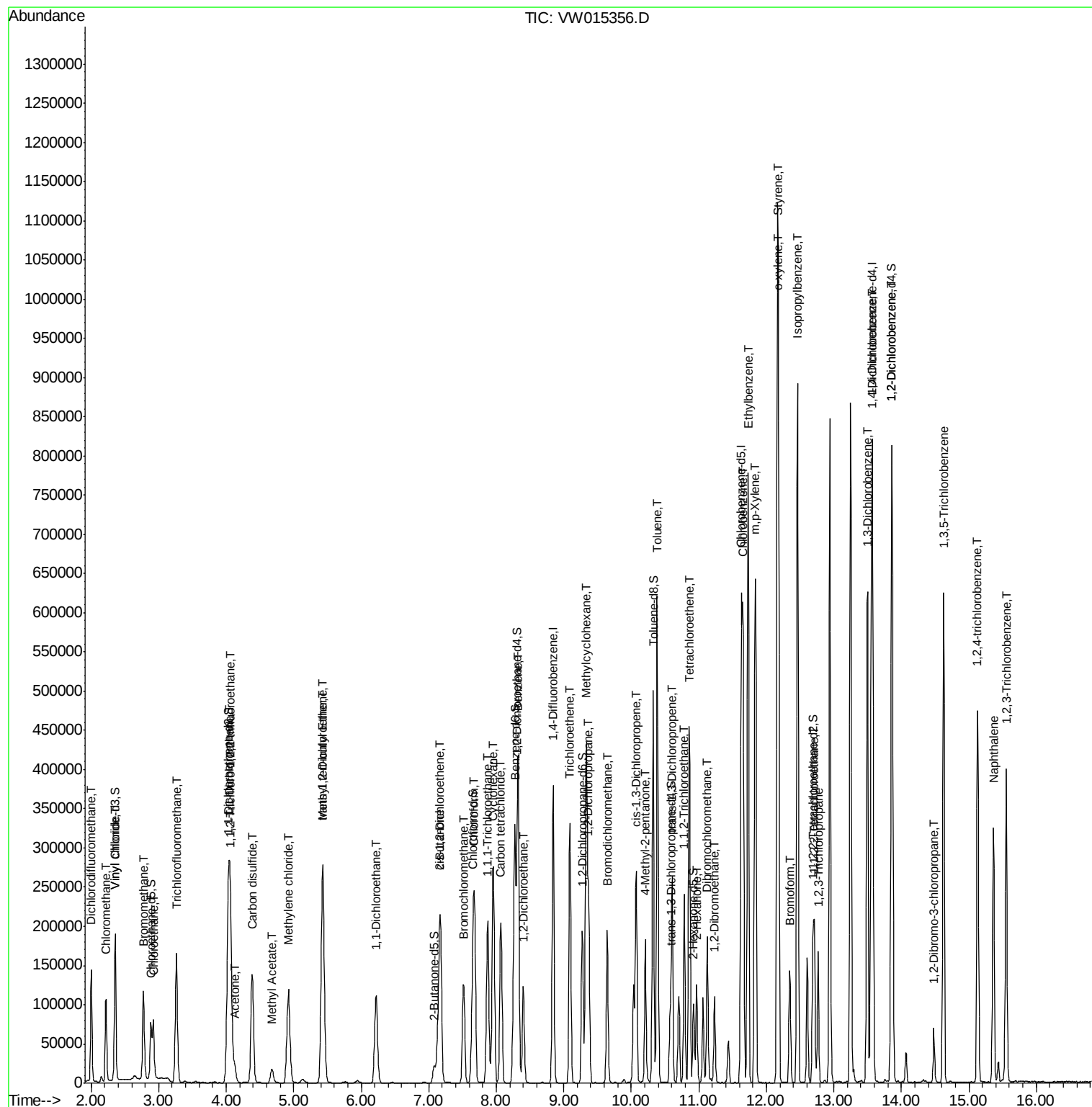
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	50619	23.559	ug/L	96
25) Chloroform	7.68	83	203745	22.829	ug/L	100
27) 1,2-Dichloroethane	8.40	62	114151	23.662	ug/L	98
30) Cyclohexane	7.96	56	149672	22.914	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	172347	22.565	ug/L	99
32) Carbon tetrachloride	8.07	117	156848	22.988	ug/L	100
34) Benzene	8.32	78	378996	23.091	ug/L	100
35) Trichloroethene	9.09	95	109046	22.899	ug/L	100
36) Methylcyclohexane	9.34	83	187540	23.215	ug/L	99
40) 1,2-Dichloropropane	9.37	63	86402	23.138	ug/L	100
41) Bromodichloromethane	9.64	83	133009	22.990	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	154383	23.115	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	107164	52.096	ug/L	99
44) Toluene	10.39	91	472112	24.059	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	139766	23.725	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	75564	23.650	ug/L	99
47) Tetrachloroethene	10.86	164	105767	23.638	ug/L	95
49) 2-Hexanone	10.97	43	73392	48.603	ug/L	99
50) Dibromochloromethane	11.13	129	100825	23.675	ug/L	98
51) 1,2-Dibromoethane	11.23	107	75699	23.725	ug/L	100
52) Chlorobenzene	11.66	112	315071	23.868	ug/L	98
53) Ethylbenzene	11.73	91	549539	23.846	ug/L	99
54) m,p-Xylene	11.84	106	221440	23.966	ug/L	99
55) o-xylene	12.16	106	212762	24.298	ug/L	97
56) Styrene	12.18	104	366787	24.620	ug/L	100
57) Isopropylbenzene	12.46	105	577094	23.876	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	85449	24.350	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	64676	24.290	ug/L	98
62) Bromoform	12.35	173	65984	23.863	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	275348	23.819	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	268276	23.510	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	244784	23.667	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.48	75	17136	24.918	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	206350	23.926	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	168940	24.583	ug/L	99
69) Naphthalene	15.36	128	288662	24.887	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	144966	24.505	ug/L	99

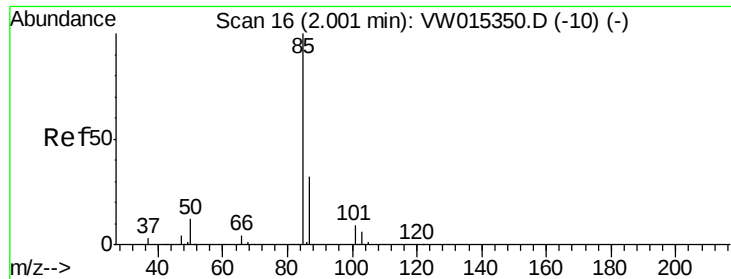
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 22.691 ug/L

RT: 2.00 min Scan# 16

Delta R.T. -0.00 min

Lab File: VW015356.D

Acq: 27 Apr 2020 16:16

Instrument :

MSVOA_W

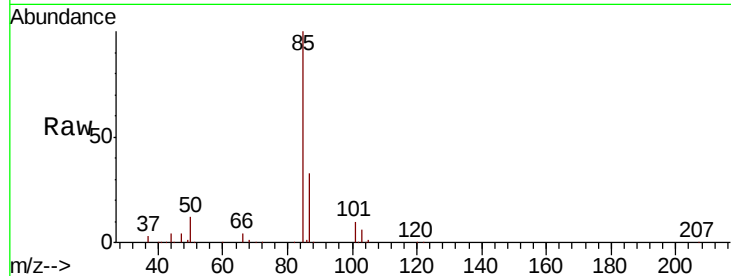
ClientSampleId :

Tot Ion: 85 Resp: 107086

Ion Ratio Lower Upper

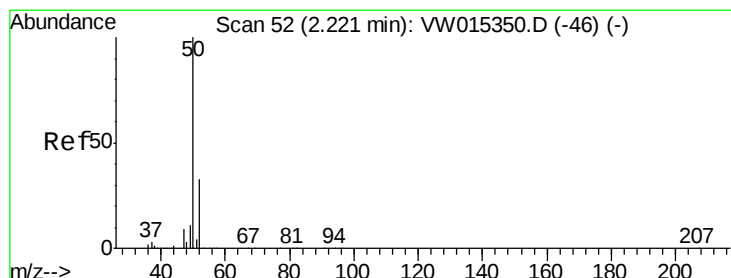
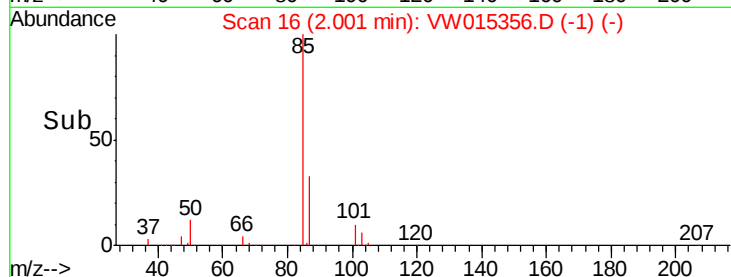
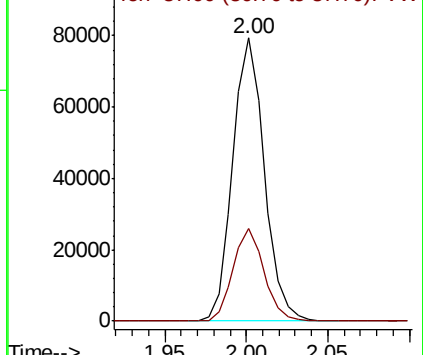
85 100

87 32.1 22.6 42.0



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 23.276 ug/L

RT: 2.22 min Scan# 52

Delta R.T. -0.00 min

Lab File: VW015356.D

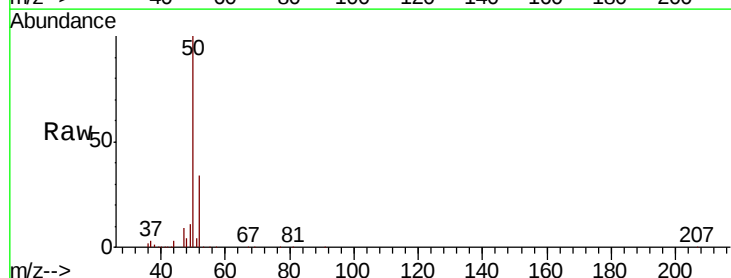
Acq: 27 Apr 2020 16:16

Tgt Ion: 50 Resp: 93171

Ion Ratio Lower Upper

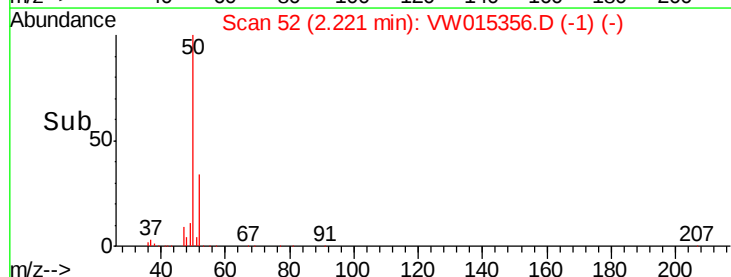
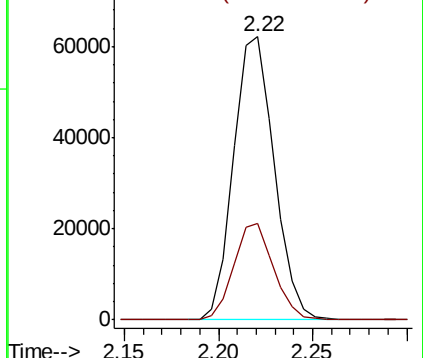
50 100

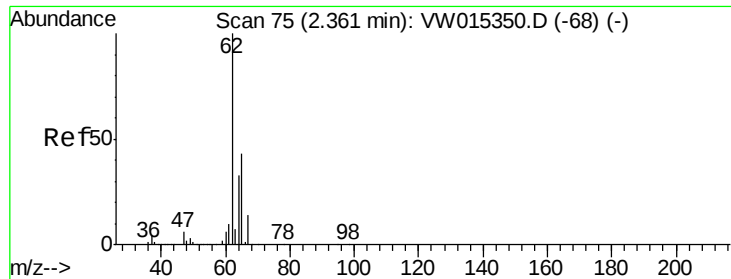
52 34.0 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 23.287 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW015356.D

Acq: 27 Apr 2020 16:16

Instrument :

MSVOA_W

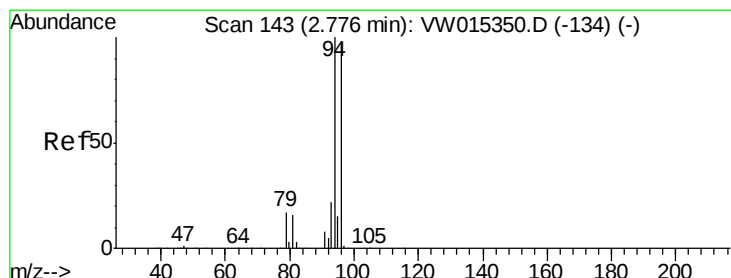
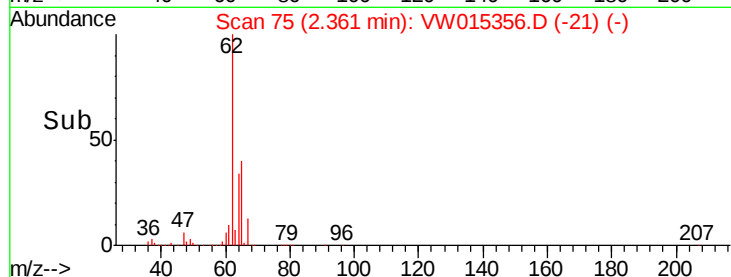
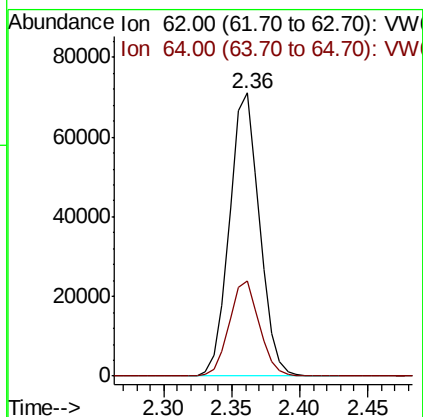
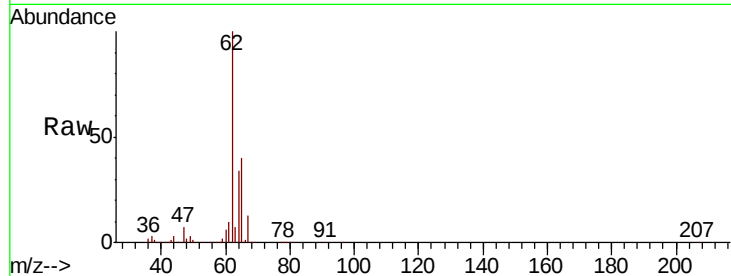
ClientSampleId :

Tot Ion: 62 Resp: 109149

Ion Ratio Lower Upper

62 100

64 33.9 22.7 42.3



#6

Bromomethane

Concen: 24.187 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW015356.D

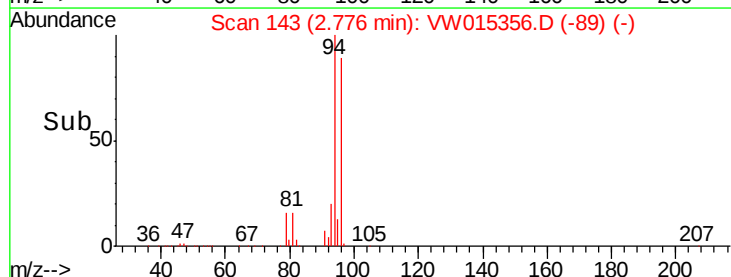
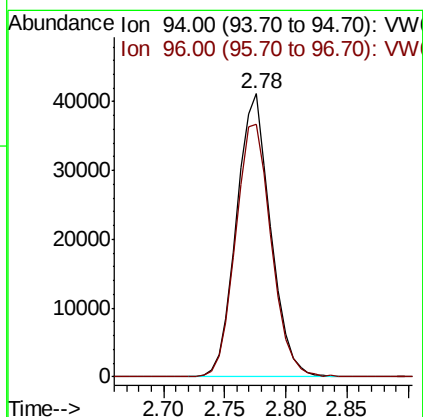
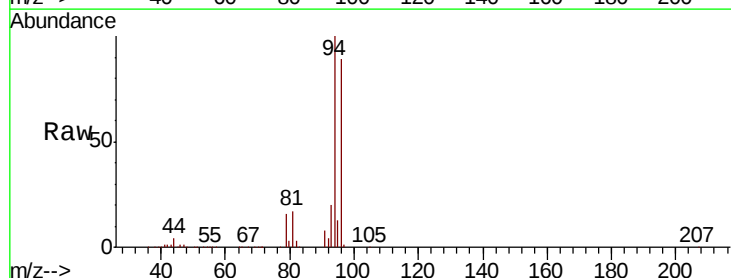
Acq: 27 Apr 2020 16:16

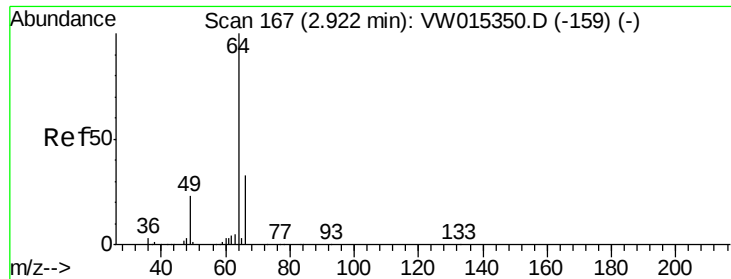
Tgt Ion: 94 Resp: 79678

Ion Ratio Lower Upper

94 100

96 93.4 9.5 180.5





#8

Chloroethane

Concen: 23.366 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW015356.D

Acq: 27 Apr 2020 16:16

Instrument :

MSVOA_W

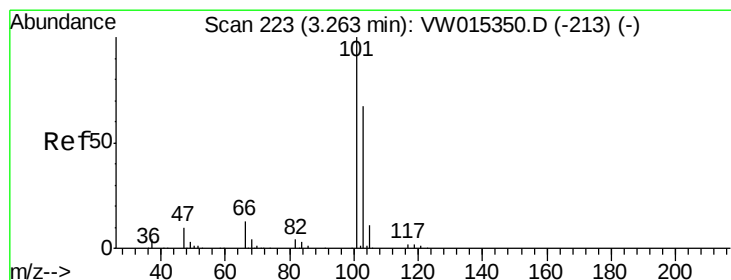
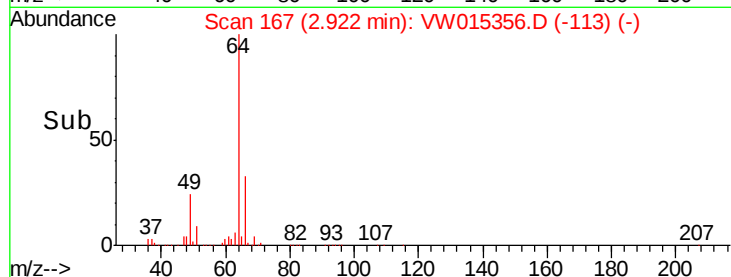
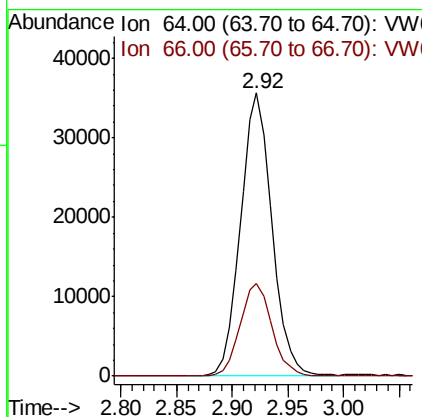
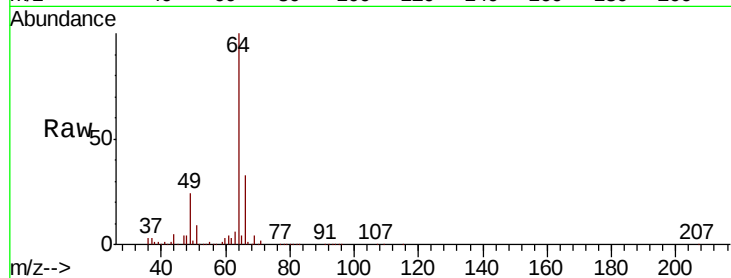
ClientSampleId :

Tot Ion: 64 Resp: 69851

Ion Ratio Lower Upper

64 100

66 32.7 22.9 42.5



#9

Trichlorofluoromethane

Concen: 23.192 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.00 min

Lab File: VW015356.D

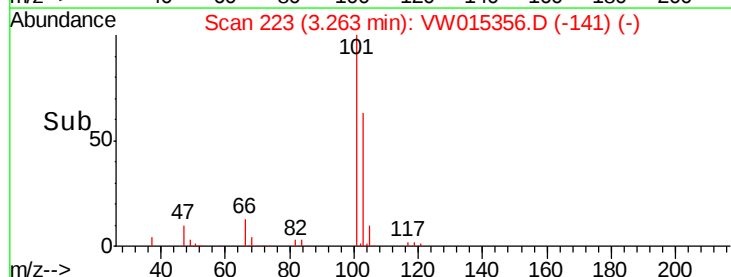
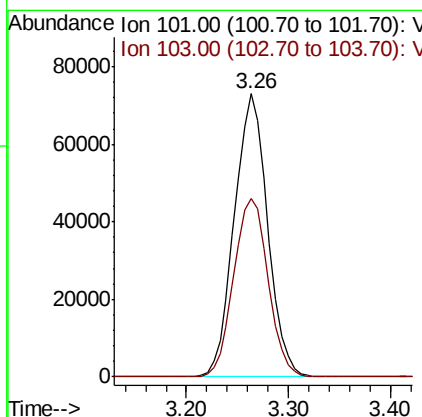
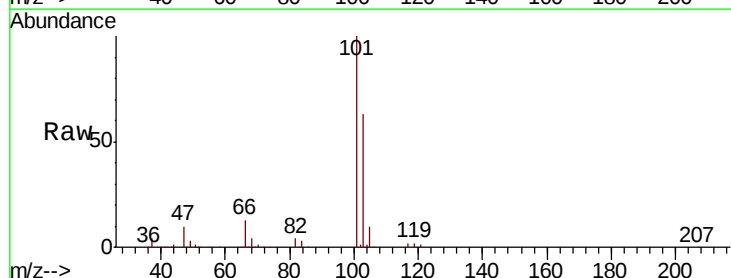
Acq: 27 Apr 2020 16:16

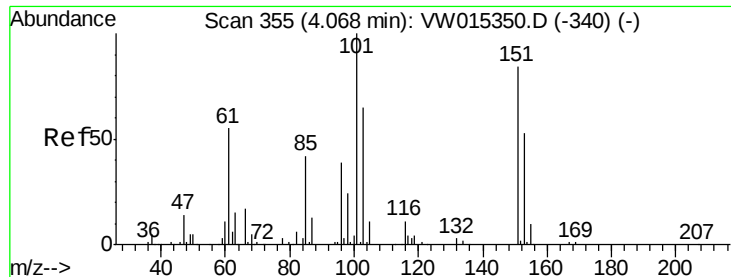
Tgt Ion: 101 Resp: 165194

Ion Ratio Lower Upper

101 100

103 65.2 45.8 85.2





#11

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

Concen: 22.996 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW015356.D

Acq: 27 Apr 2020 16:16

Instrument :

MSVOA_W

ClientSampleId :

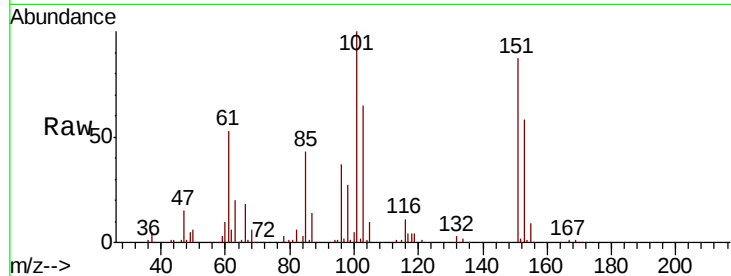
Tot Ion:101 Resp: 101023

Ion Ratio Lower Upper

101 100

85 42.6 34.0 51.0

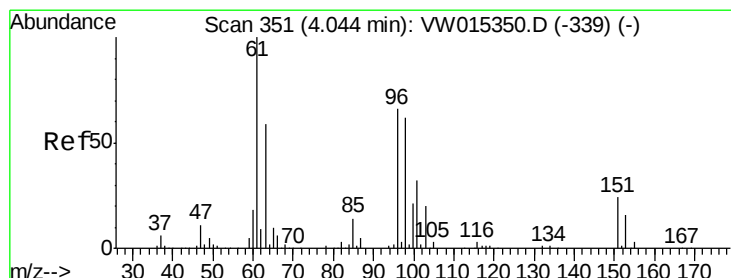
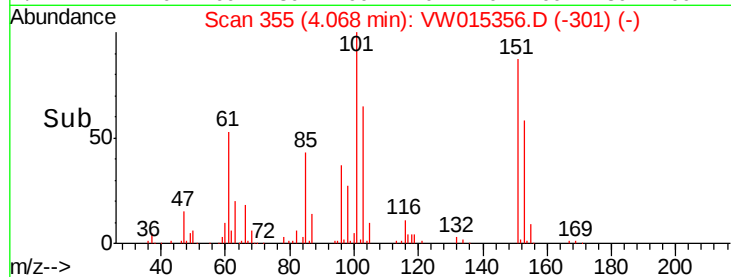
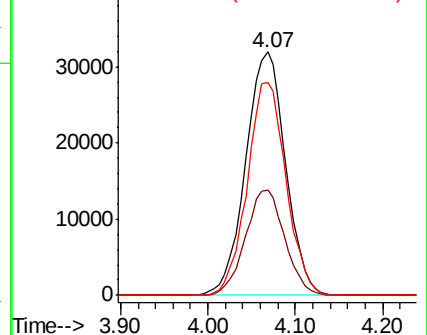
151 85.0 67.0 100.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 23.434 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

Lab File: VW015356.D

Acq: 27 Apr 2020 16:16

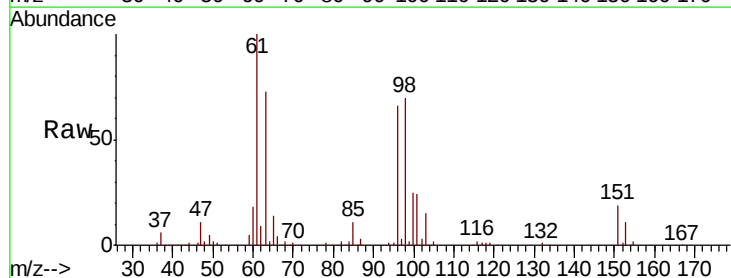
Tgt Ion: 96 Resp: 92647

Ion Ratio Lower Upper

96 100

61 151.7 106.2 197.2

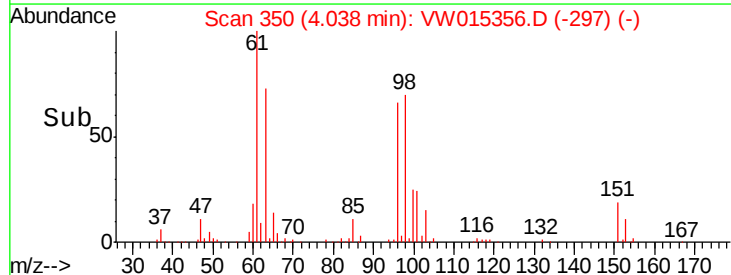
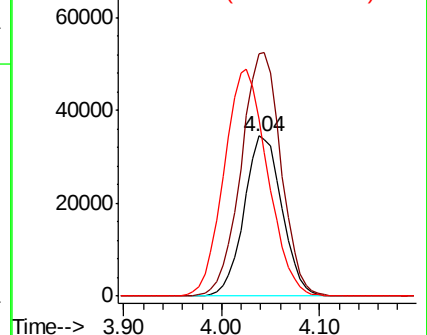
63 110.8 63.7 118.3

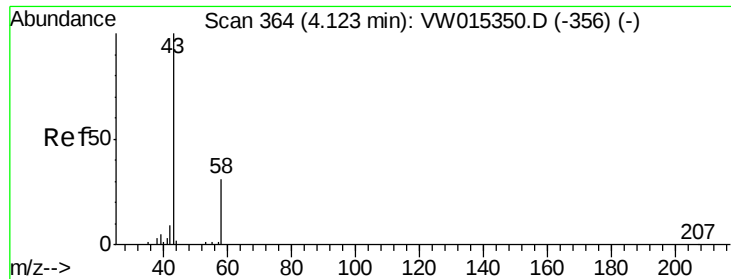


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 49.125 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW015356.D

Acq: 27 Apr 2020 16:16

Instrument :

MSVOA_W

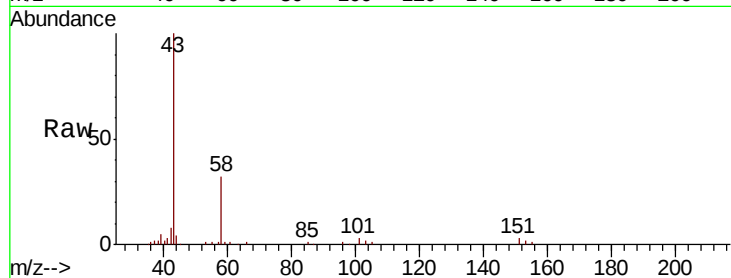
ClientSampleId :

Tot Ion: 43 Resp: 35037

Ion Ratio Lower Upper

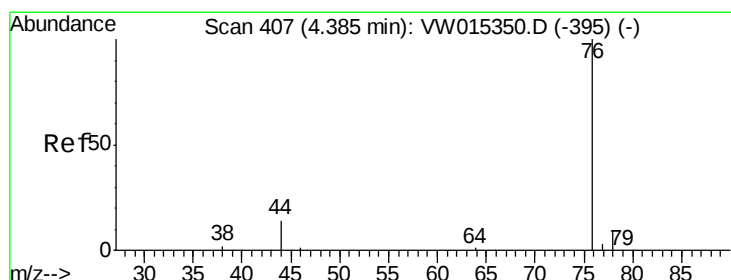
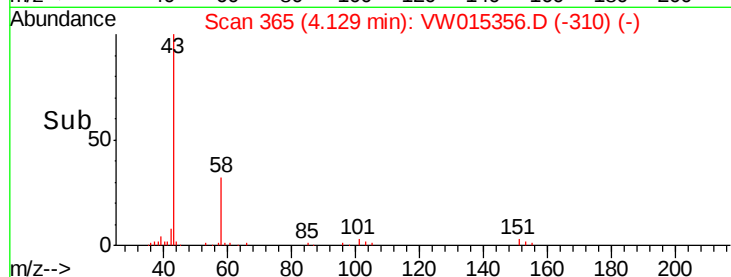
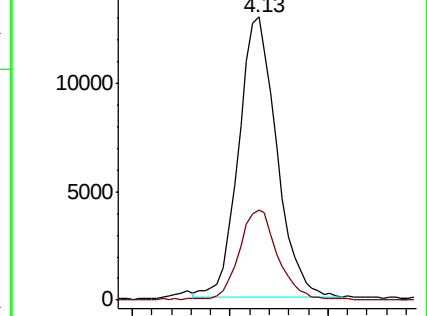
43 100

58 31.5 0.0 65.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 23.169 ug/L

RT: 4.39 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW015356.D

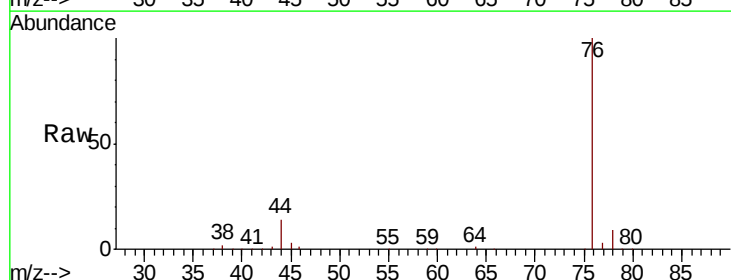
Acq: 27 Apr 2020 16:16

Tgt Ion: 76 Resp: 284292

Ion Ratio Lower Upper

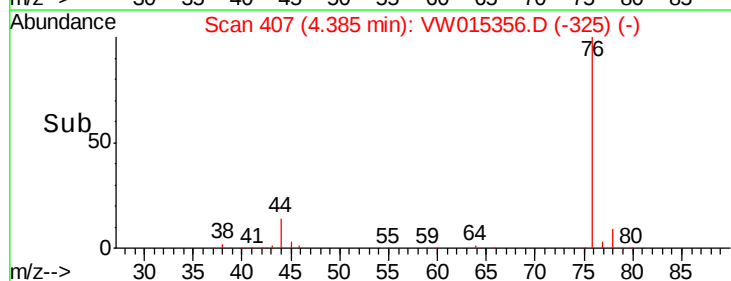
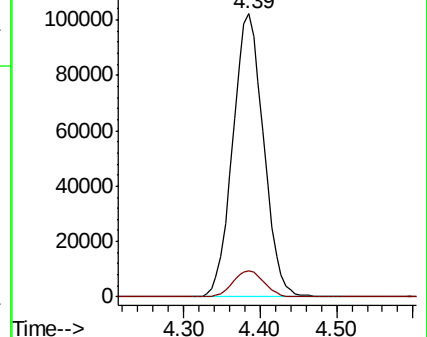
76 100

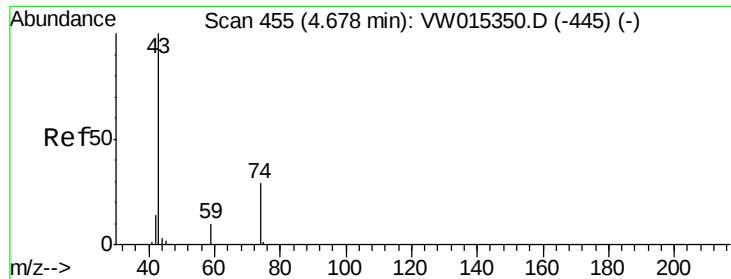
78 9.1 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW





#15

Methvl Acetate

Concen: 23.492 ug/L

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW015356.D

Acq: 27 Apr 2020 16:16

Instrument :

MSVOA_W

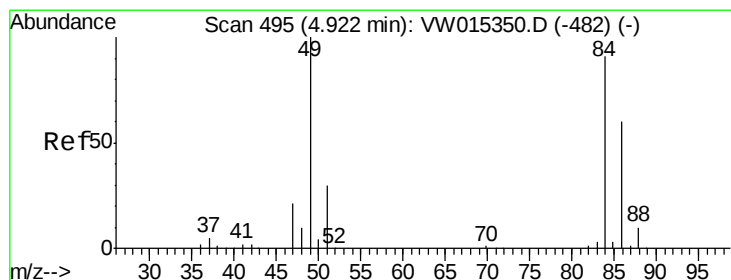
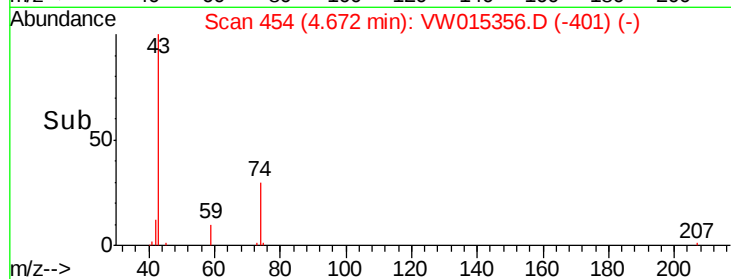
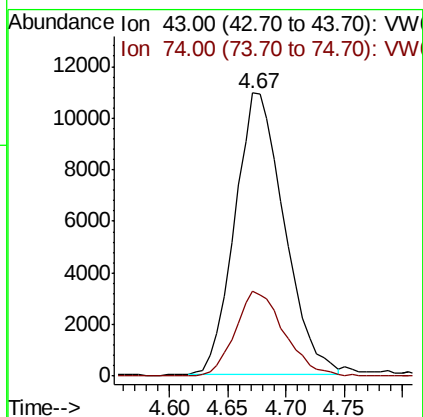
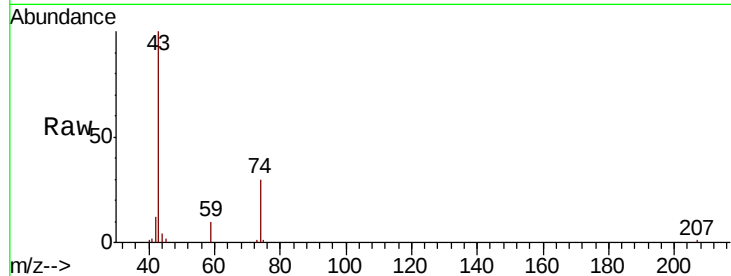
ClientSampleId :

Tot Ion: 43 Resp: 32237

Ion Ratio Lower Upper

43 100

74 29.7 22.9 34.3



#16

Methylene chloride

Concen: 23.115 ug/L

RT: 4.92 min Scan# 495

Delta R.T. -0.00 min

Lab File: VW015356.D

Acq: 27 Apr 2020 16:16

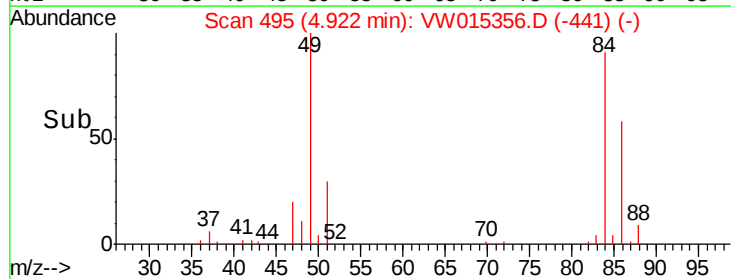
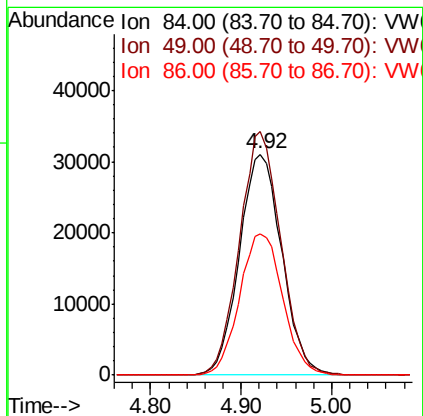
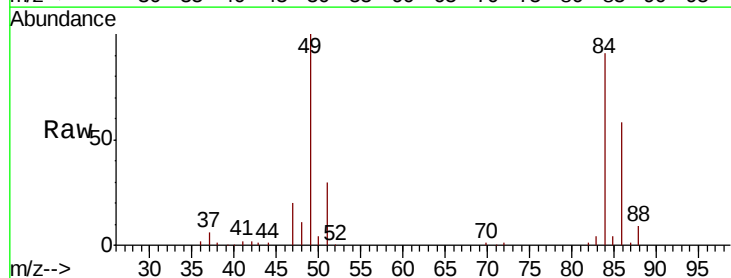
Tgt Ion: 84 Resp: 100590

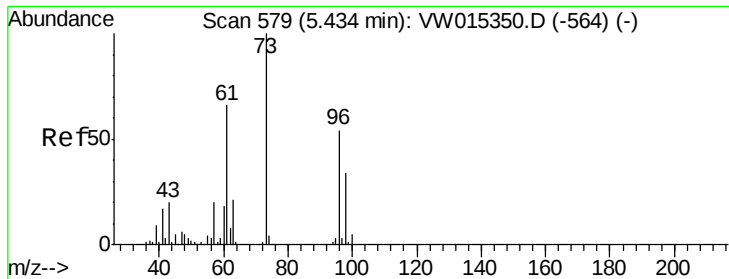
Ion Ratio Lower Upper

84 100

49 110.3 76.7 142.5

86 63.9 45.9 85.3



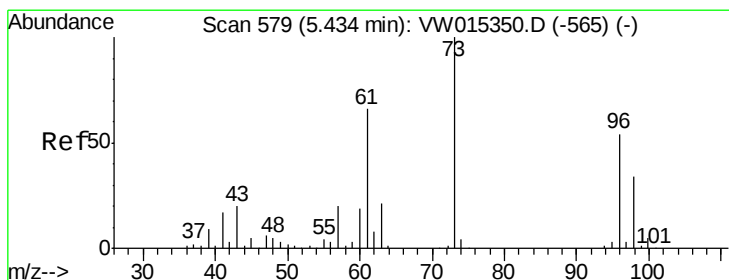
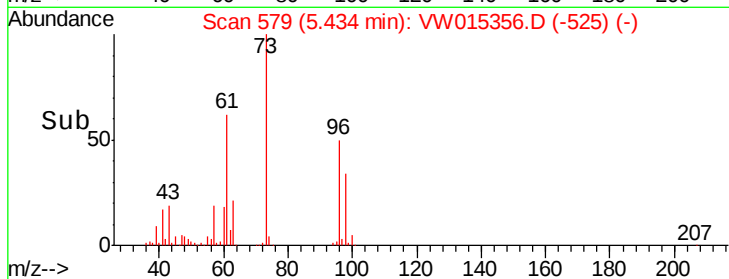
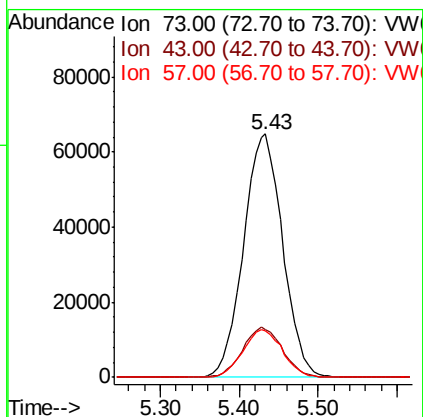
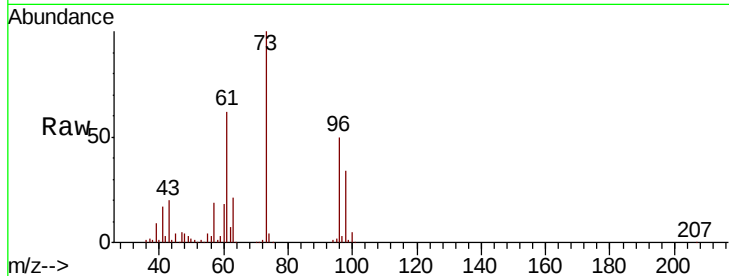


#17

Methvl tert-butvl Ether
 Concen: 23.601 ug/L
 RT: 5.43 min Scan# 579
 Delta R.T. -0.00 min
 Lab File: VW015356.D
 Acq: 27 Apr 2020 16:16

Instrument :
 MSVOA_W
 ClientSampled :

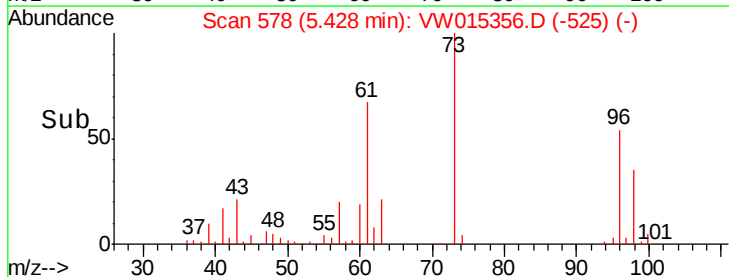
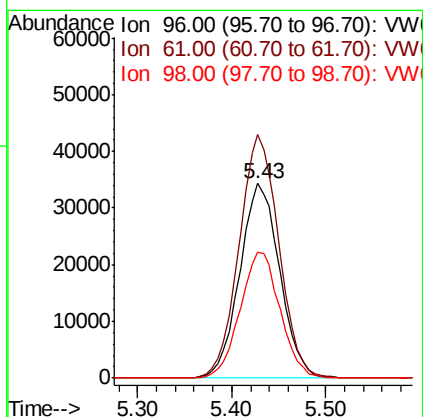
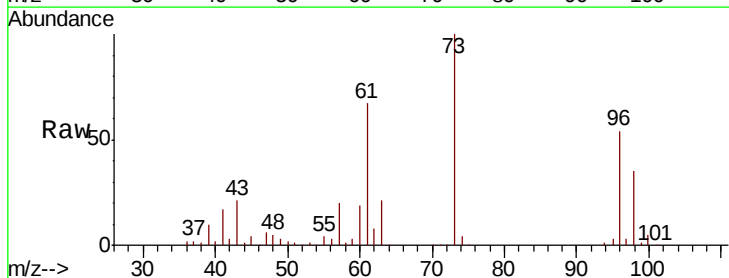
Tot Ion: 73 Resp: 223277
 Ion Ratio Lower Upper
 73 100
 43 21.1 16.6 24.8
 57 19.9 16.1 24.1

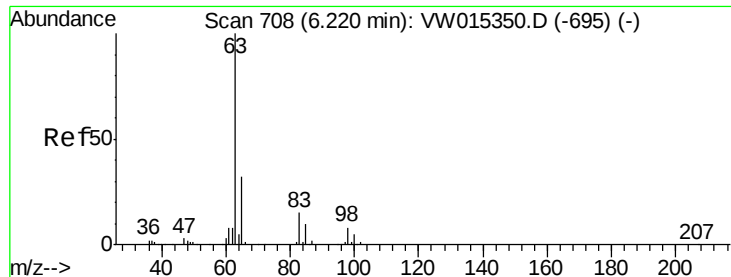


#18

trans-1,2-Dichloroethene
 Concen: 23.059 ug/L
 RT: 5.43 min Scan# 578
 Delta R.T. -0.01 min
 Lab File: VW015356.D
 Acq: 27 Apr 2020 16:16

Tgt Ion: 96 Resp: 101914
 Ion Ratio Lower Upper
 96 100
 61 125.0 84.9 157.7
 98 64.6 44.4 82.4

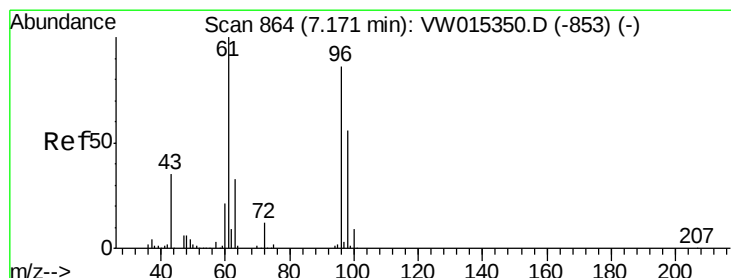
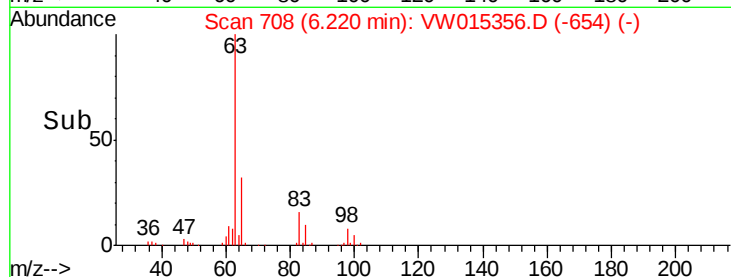
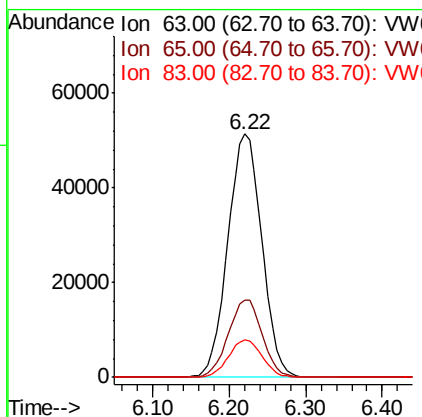
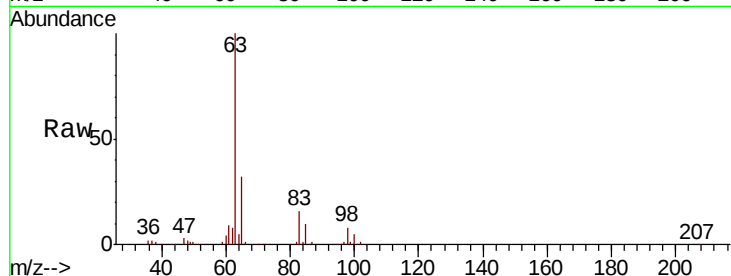




#19
 1,1-Dichloroethane
 Concen: 23.320 ug/L
 RT: 6.22 min Scan# 708
 Delta R.T. -0.00 min
 Lab File: VW015356.D
 Acq: 27 Apr 2020 16:16

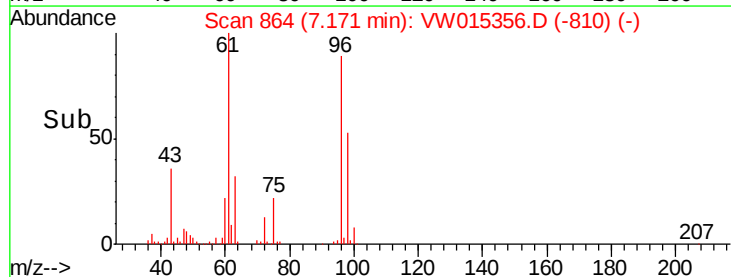
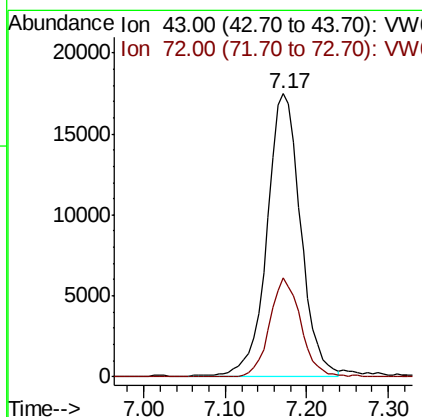
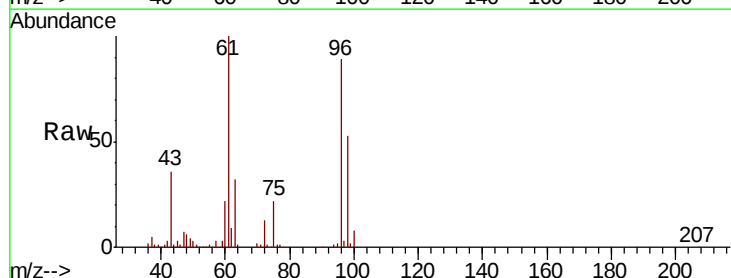
Instrument :
 MSVOA_W
 ClientSampled :

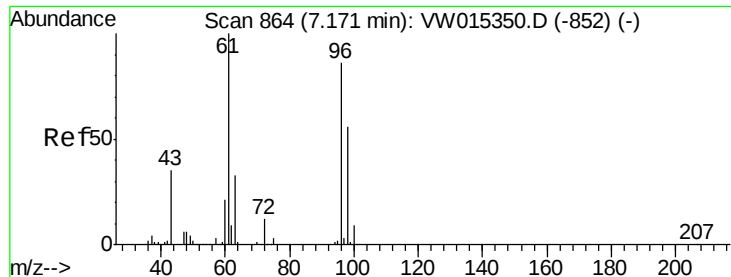
Tot Ion: 63 Resp: 157970
 Ion Ratio Lower Upper
 63 100
 65 31.9 22.3 41.3
 83 15.5 10.6 19.6



#21
 2-Butanone
 Concen: 50.846 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW015356.D
 Acq: 27 Apr 2020 16:16

Tgt Ion: 43 Resp: 50307
 Ion Ratio Lower Upper
 43 100
 72 32.0 16.6 49.7



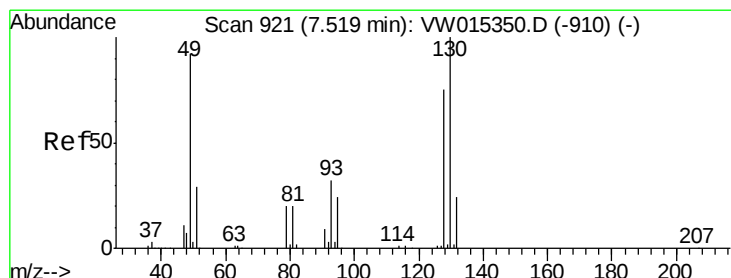
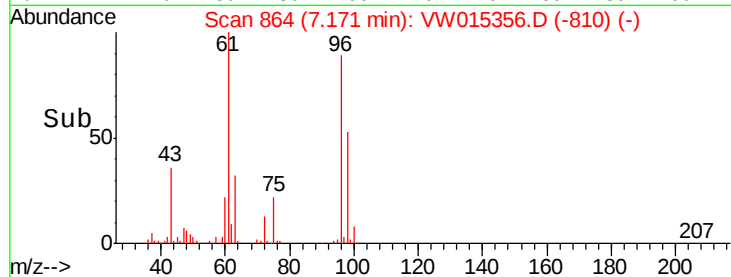
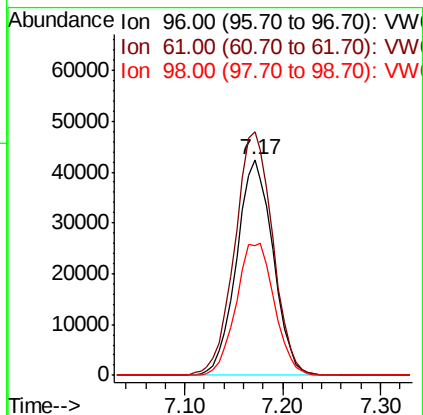
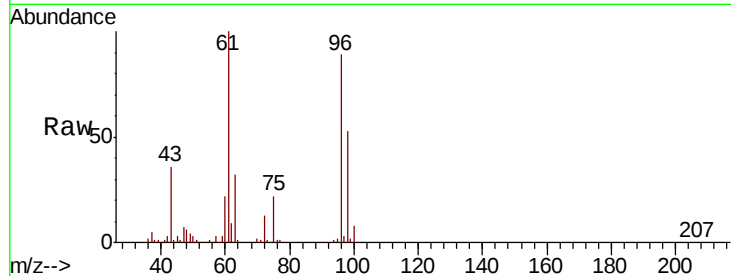


#22

cis-1,2-Dichloroethene
 Concen: 23.764 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW015356.D
 Acq: 27 Apr 2020 16:16

Instrument :
 MSVOA_W
 ClientSampleId :

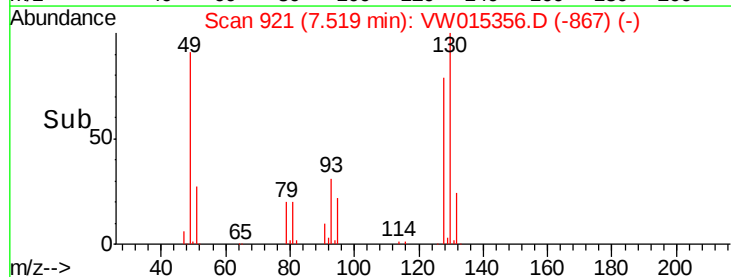
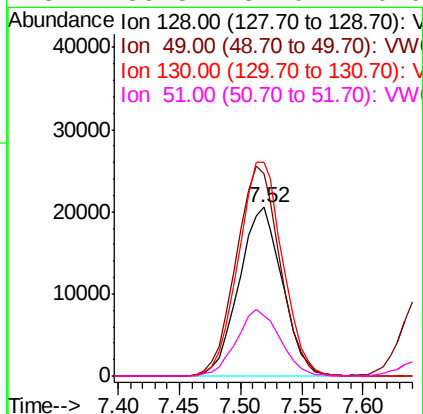
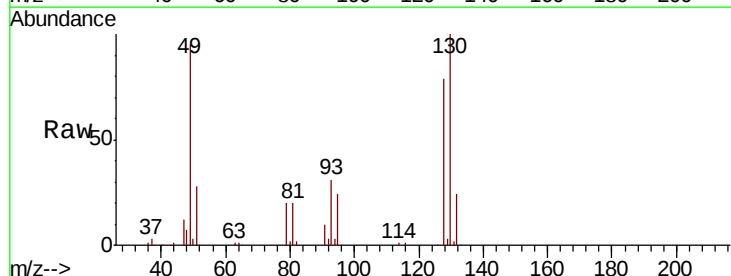
Tot Ion: 96 Resp: 110075
 Ion Ratio Lower Upper
 96 100
 61 112.7 81.2 150.8
 98 60.0 45.4 84.2

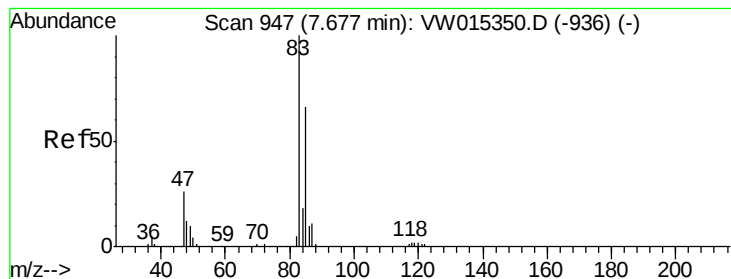


#23

Bromochloromethane
 Concen: 23.559 ug/L
 RT: 7.52 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VW015356.D
 Acq: 27 Apr 2020 16:16

Tgt Ion: 128 Resp: 50619
 Ion Ratio Lower Upper
 128 100
 49 119.7 85.1 158.1
 130 126.5 92.9 172.5
 51 35.3 31.0 46.6





#25

Chloroform

Concen: 22.829 ug/L

RT: 7.68 min Scan# 947

Delta R.T. -0.00 min

Lab File: VW015356.D

Acq: 27 Apr 2020 16:16

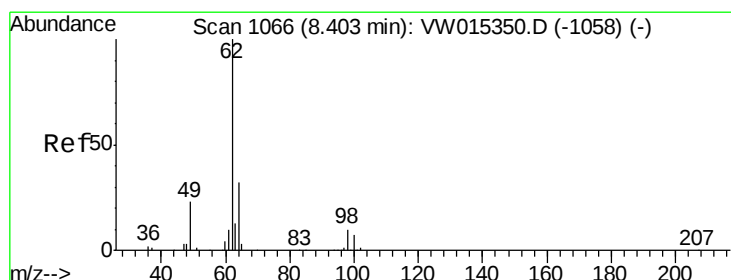
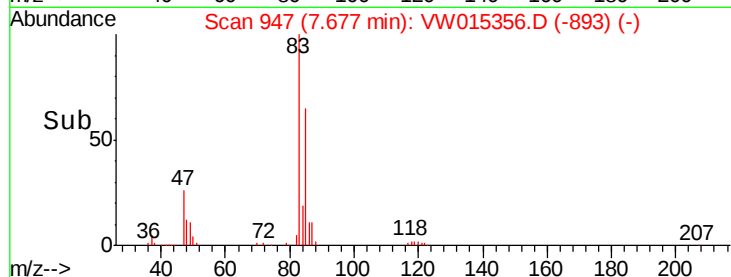
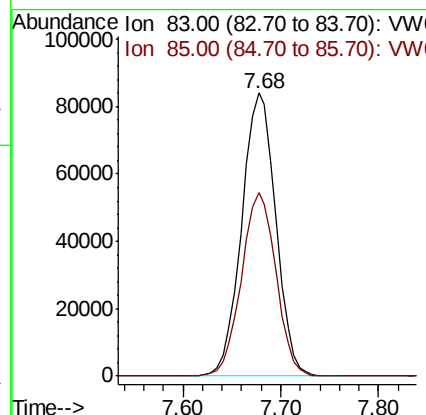
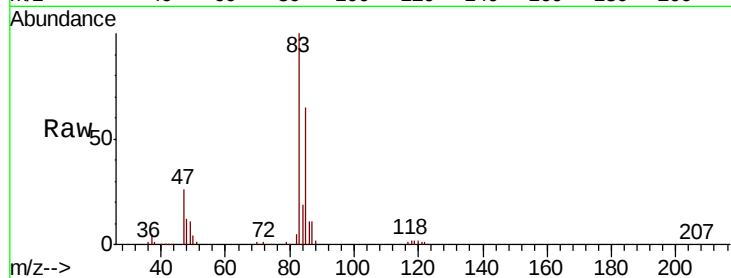
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 83 Resp: 203745

Ion Ratio Lower Upper

83 100

85 65.5 45.7 84.9



#27

1,2-Dichloroethane

Concen: 23.662 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VW015356.D

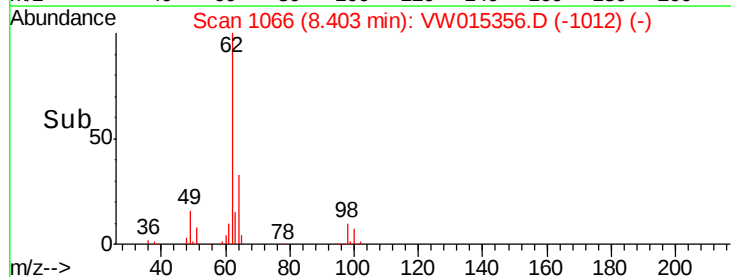
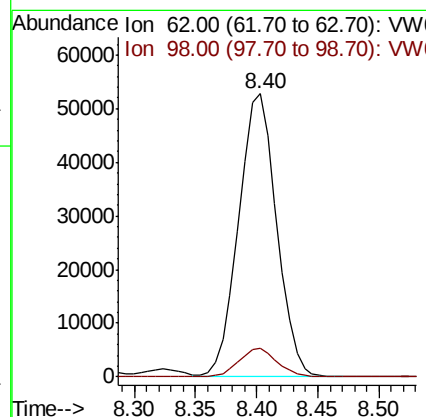
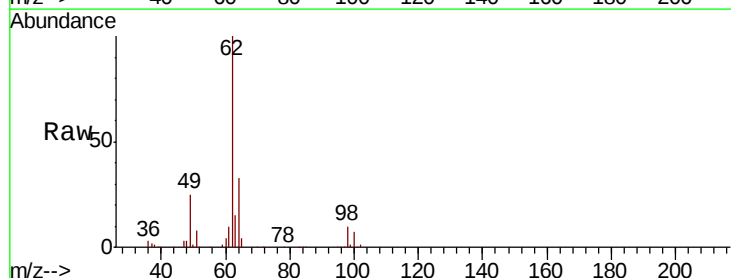
Acq: 27 Apr 2020 16:16

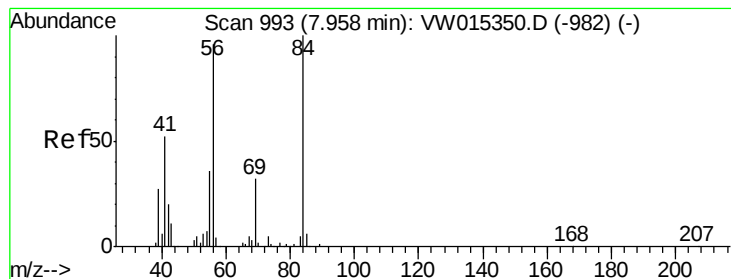
Tgt Ion: 62 Resp: 114151

Ion Ratio Lower Upper

62 100

98 10.3 7.8 11.6





#30

Cvclohexane

Concen: 22.914 ug/L

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW015356.D

Acq: 27 Apr 2020 16:16

Instrument :

MSVOA_W

ClientSampleId :

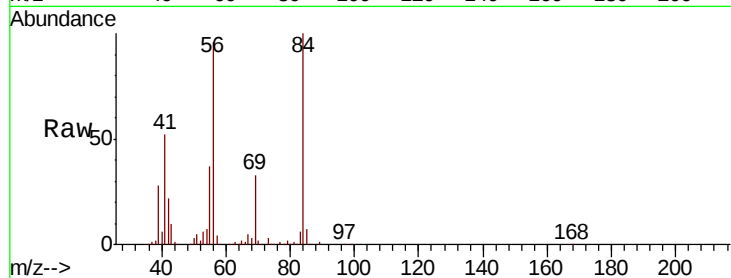
Tot Ion: 56 Resp: 149672

Ion Ratio Lower Upper

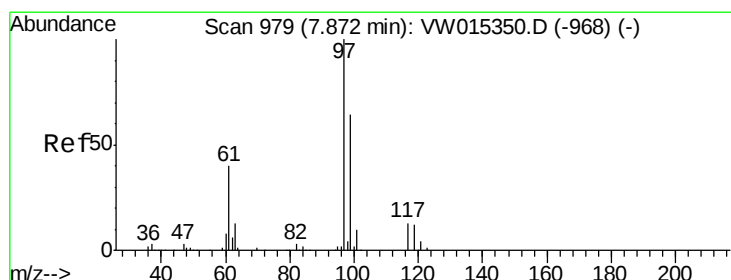
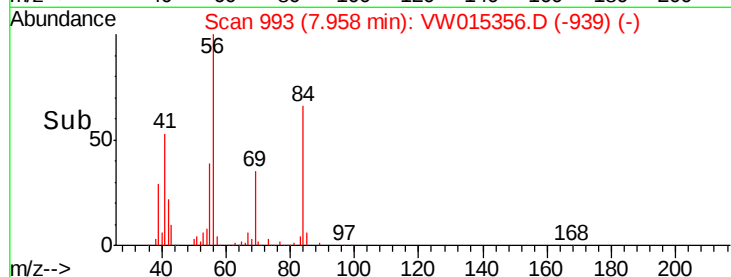
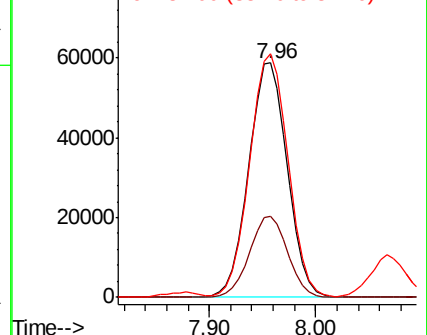
56 100

69 34.1 27.4 41.2

84 103.4 81.8 122.6



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: 22.565 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW015356.D

Acq: 27 Apr 2020 16:16

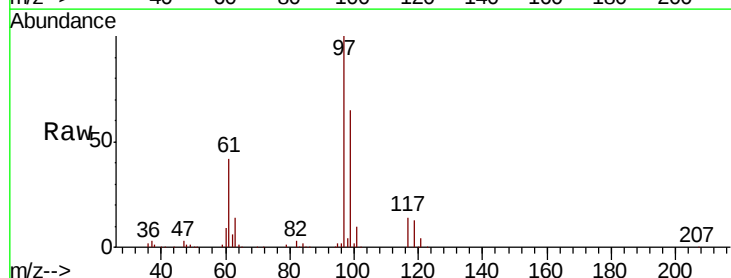
Tgt Ion: 97 Resp: 172347

Ion Ratio Lower Upper

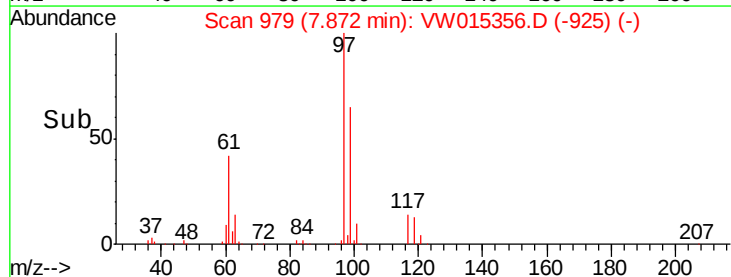
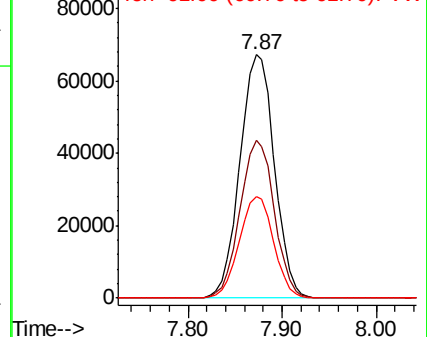
97 100

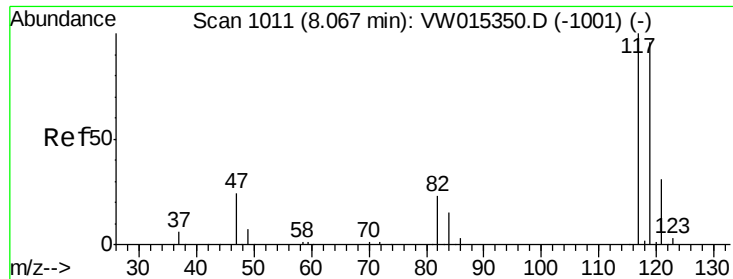
99 64.4 51.0 76.4

61 41.6 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: 22.988 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW015356.D

Acq: 27 Apr 2020 16:16

Instrument :

MSVOA_W

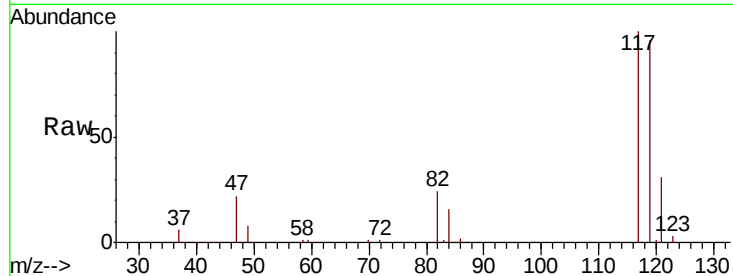
ClientSampleId :

Tot Ion:117 Resp: 156848

Ion Ratio Lower Upper

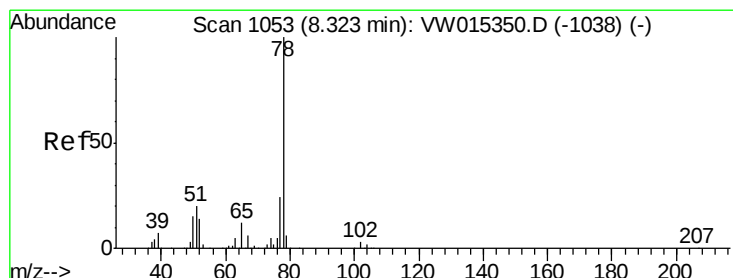
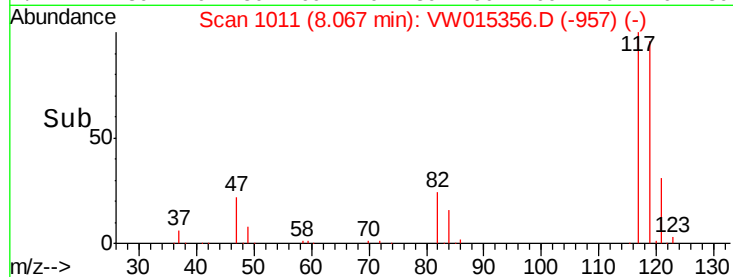
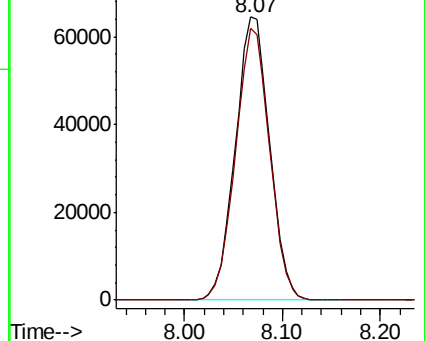
117 100

119 95.3 76.3 114.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 23.091 ug/L

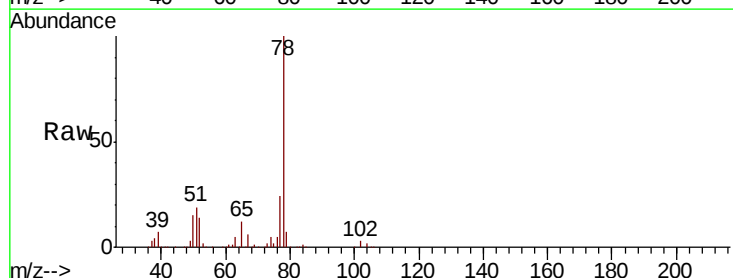
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

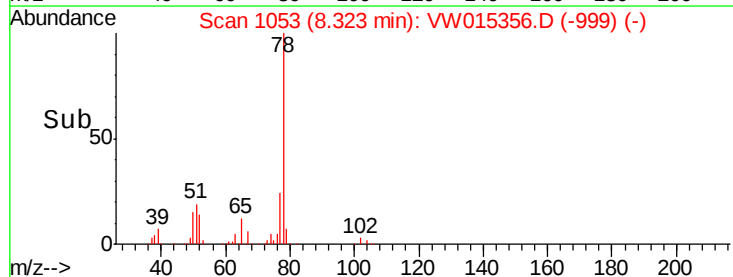
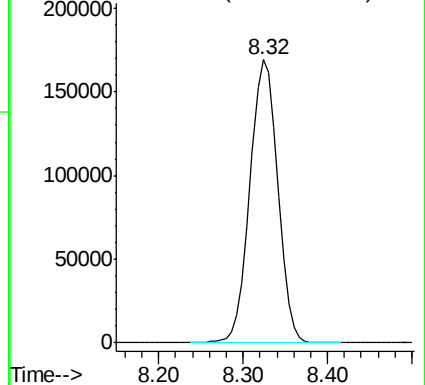
Lab File: VW015356.D

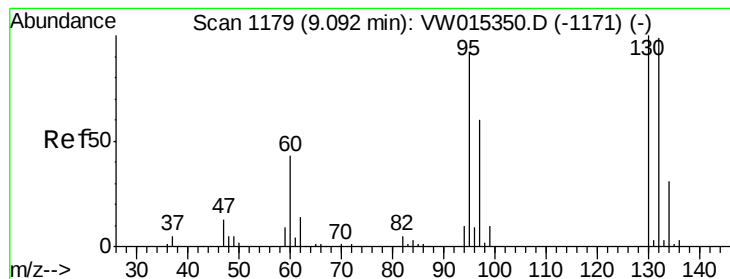
Acq: 27 Apr 2020 16:16

Tgt Ion: 78 Resp: 378996



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 22.899 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW015356.D

Acq: 27 Apr 2020 16:16

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 95 Resp: 109046

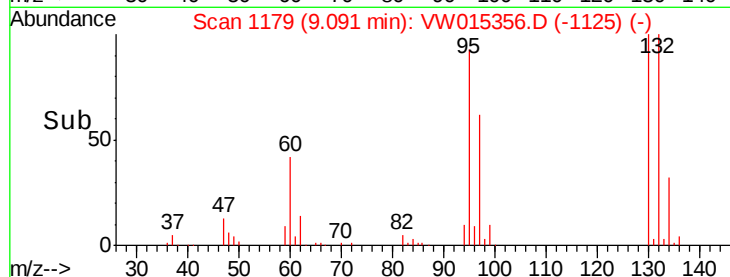
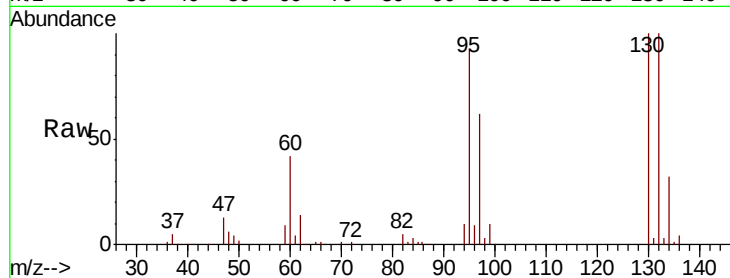
Ion Ratio Lower Upper

95 100

97 64.6 45.6 84.6

132 106.6 74.5 138.5

130 109.2 76.7 142.5

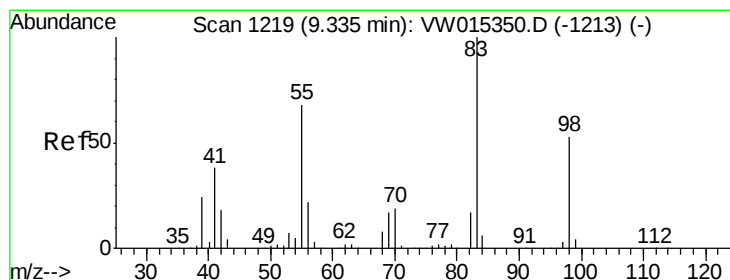
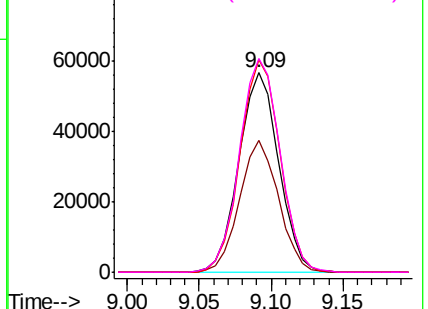


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 23.215 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW015356.D

Acq: 27 Apr 2020 16:16

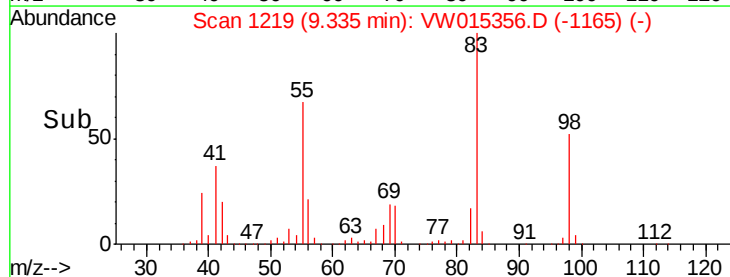
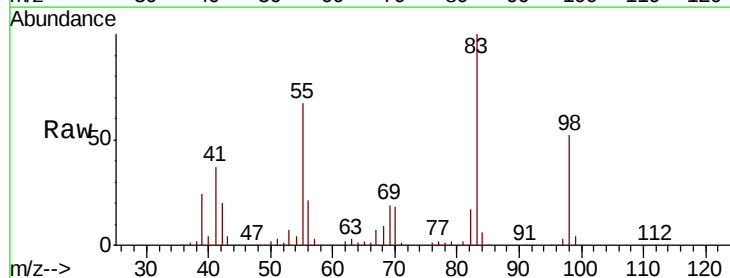
Tgt Ion: 83 Resp: 187540

Ion Ratio Lower Upper

83 100

55 67.9 53.8 80.8

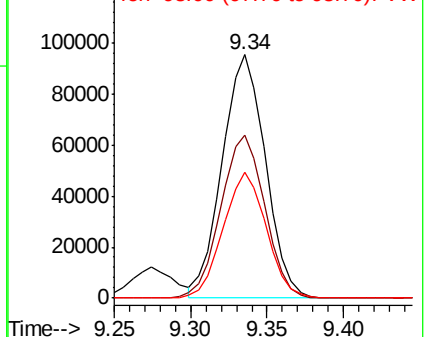
98 51.5 41.0 61.4

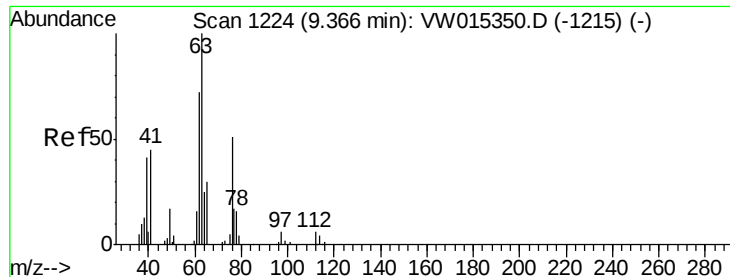


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 23.138 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW015356.D

Acq: 27 Apr 2020 16:16

Instrument :

MSVOA_W

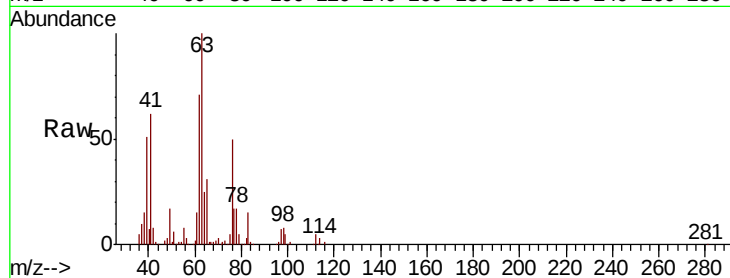
ClientSampleId :

Tot Ion: 63 Resp: 86402

Ion Ratio Lower Upper

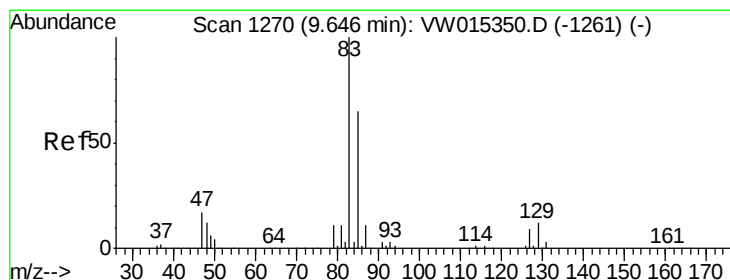
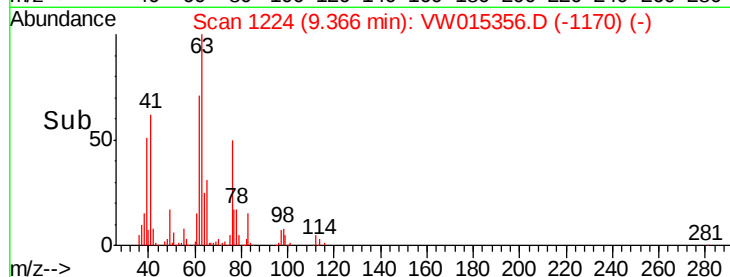
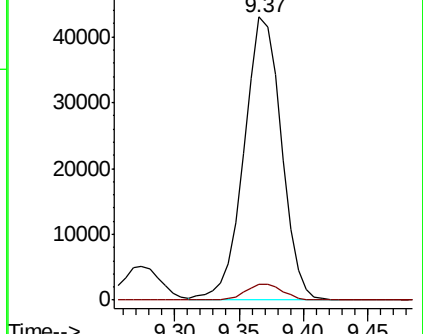
63 100

112 5.6 4.6 6.8



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 22.990 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW015356.D

Acq: 27 Apr 2020 16:16

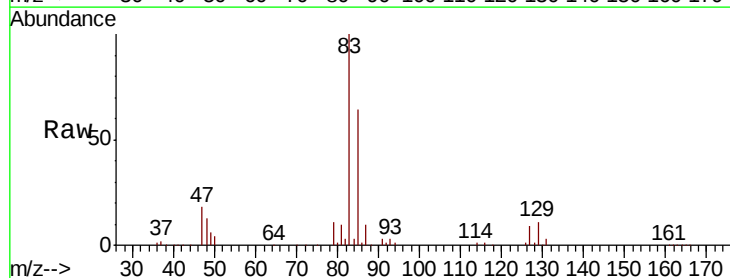
Tgt Ion: 83 Resp: 133009

Ion Ratio Lower Upper

83 100

85 64.3 45.8 85.2

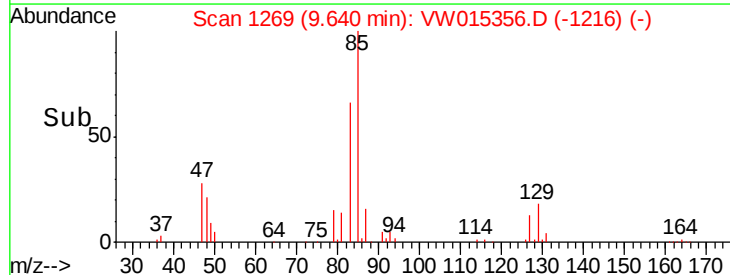
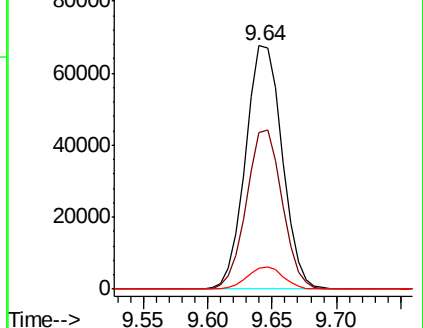
127 8.6 7.5 11.3

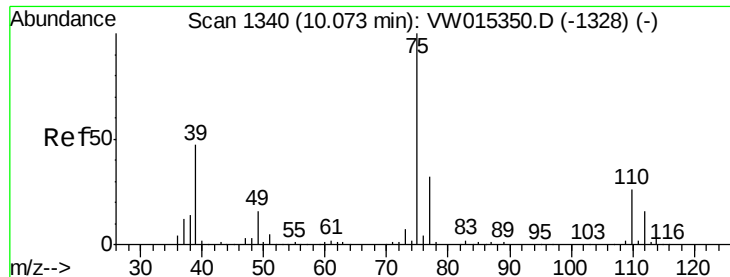


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 23.115 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW015356.D

Acq: 27 Apr 2020 16:16

Instrument :

MSVOA_W

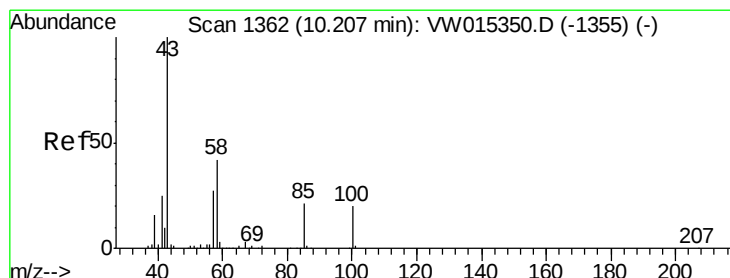
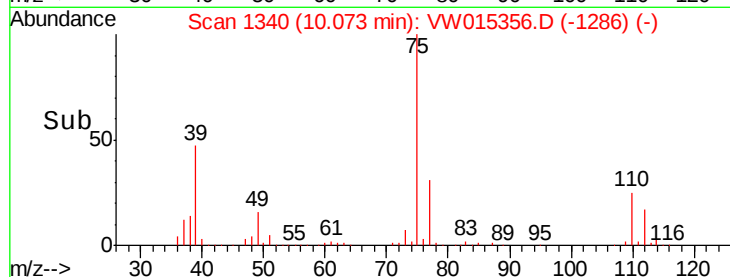
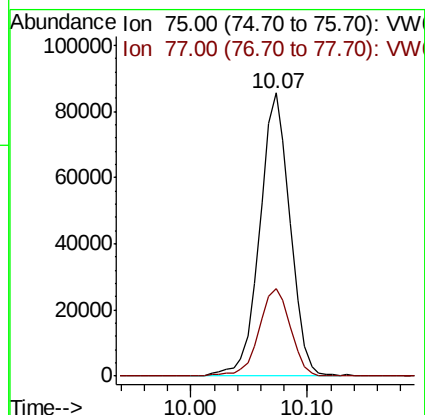
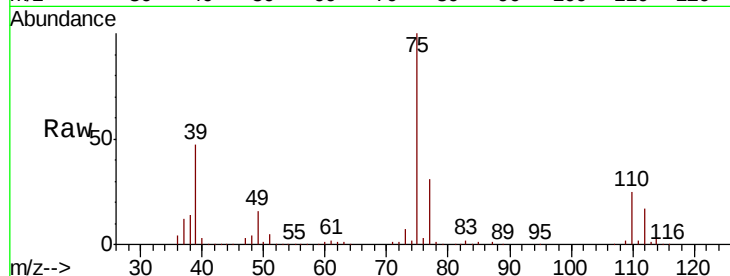
ClientSampleId :

Tot Ion: 75 Resp: 154383

Ion Ratio Lower Upper

75 100

77 30.7 22.6 42.0



#43

4-Methyl-2-pentanone

Concen: 52.096 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW015356.D

Acq: 27 Apr 2020 16:16

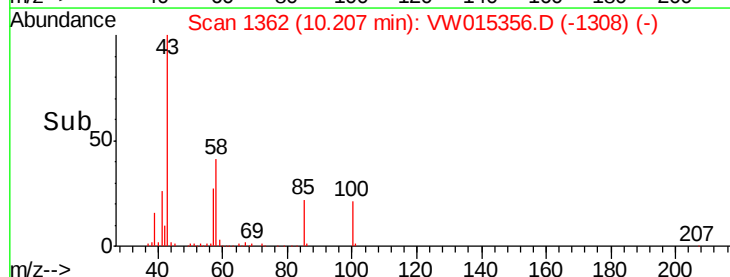
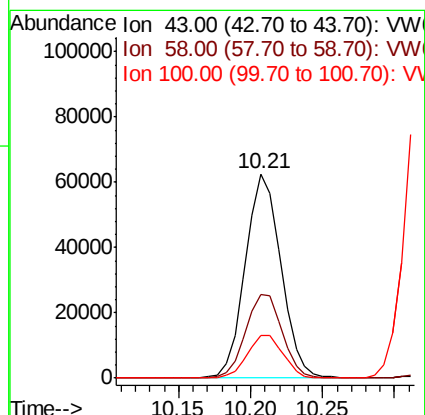
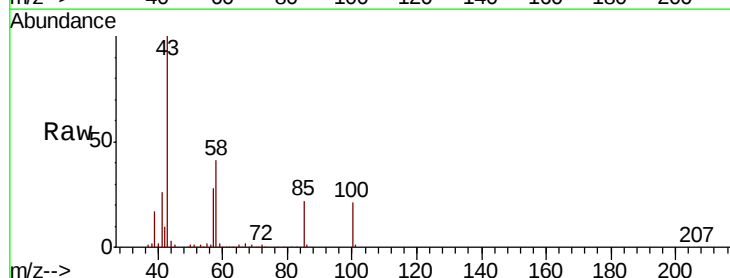
Tgt Ion: 43 Resp: 107164

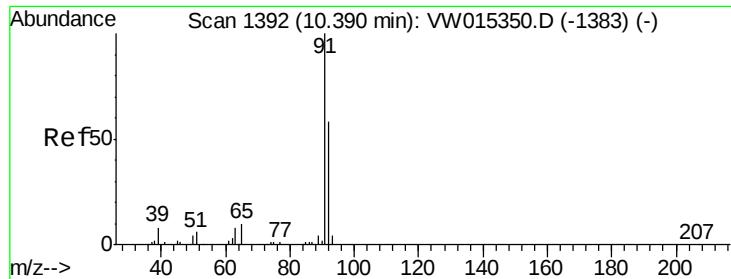
Ion Ratio Lower Upper

43 100

58 42.0 34.2 51.4

100 21.1 17.0 25.6





#44

Toluene

Concen: 24.059 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW015356.D

Acq: 27 Apr 2020 16:16

Instrument :

MSVOA_W

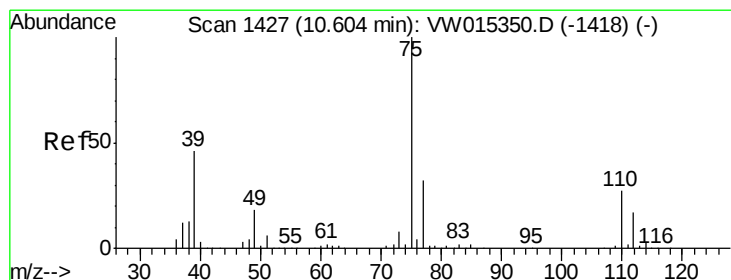
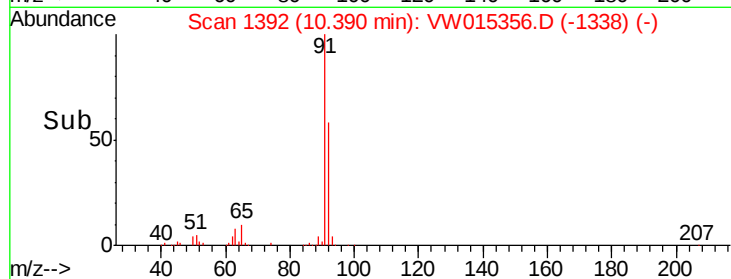
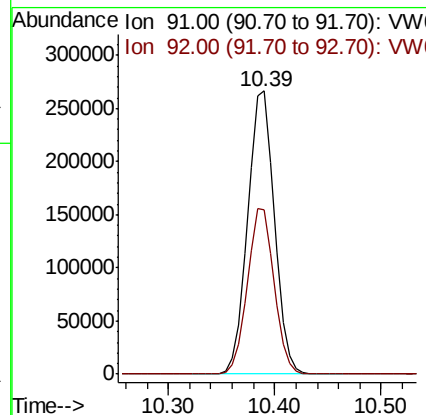
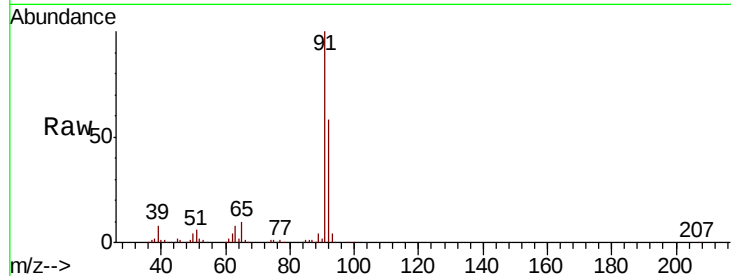
ClientSampleId :

Tot Ion: 91 Resp: 472112

Ion Ratio Lower Upper

91 100

92 58.0 40.8 75.8



#45

trans-1,3-Dichloropropene

Concen: 23.725 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW015356.D

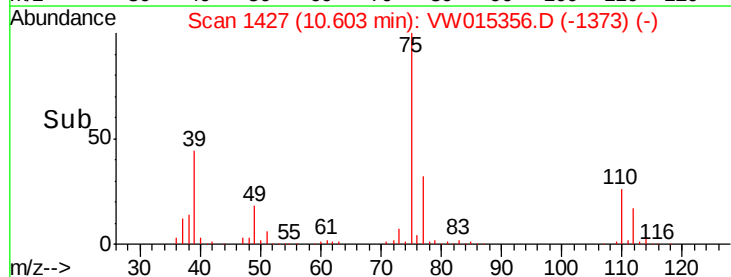
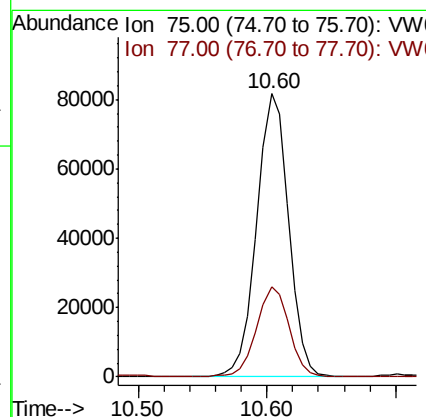
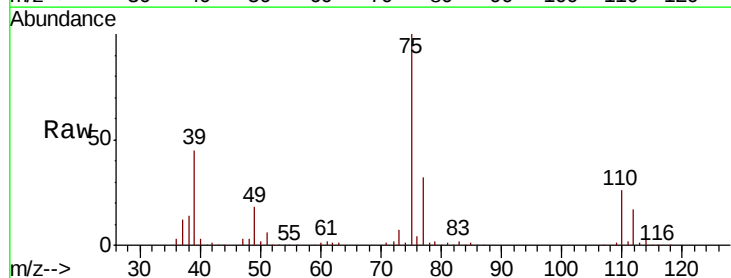
Acq: 27 Apr 2020 16:16

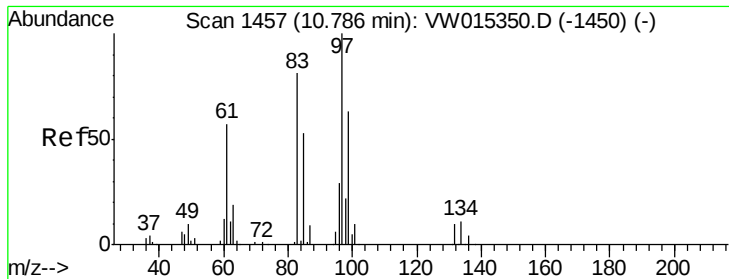
Tgt Ion: 75 Resp: 139766

Ion Ratio Lower Upper

75 100

77 32.0 22.3 41.5





#46

1,1,2-Trichloroethane

Concen: 23.650 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW015356.D

Acq: 27 Apr 2020 16:16

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 75564

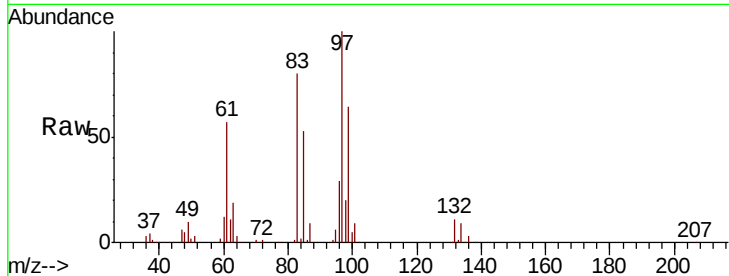
Ion Ratio Lower Upper

97 100

83 79.6 56.8 105.6

85 53.1 37.3 69.3

99 64.4 44.2 82.2

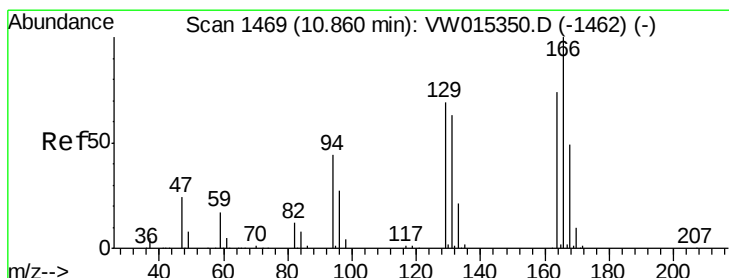
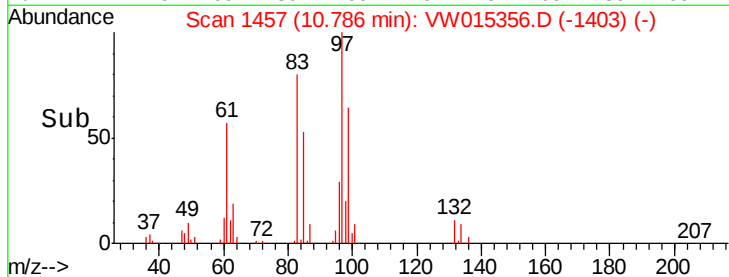
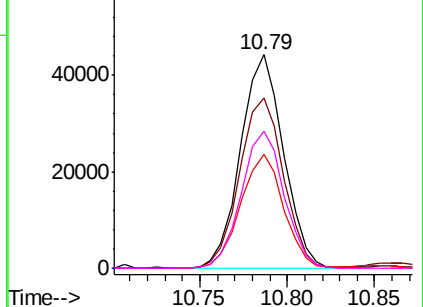


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 23.638 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW015356.D

Acq: 27 Apr 2020 16:16

Tgt Ion: 164 Resp: 105767

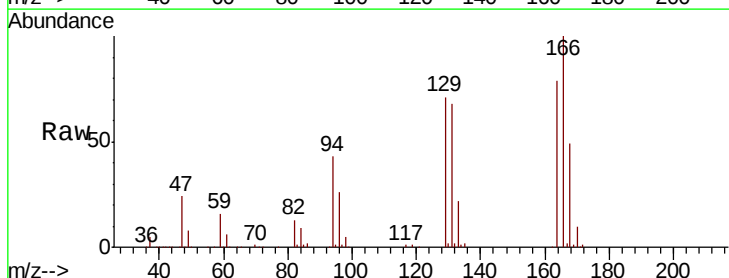
Ion Ratio Lower Upper

164 100

129 89.7 65.3 121.3

131 86.4 59.1 109.7

166 126.7 94.2 175.0

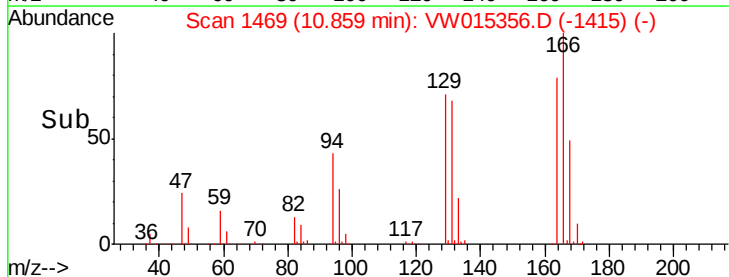
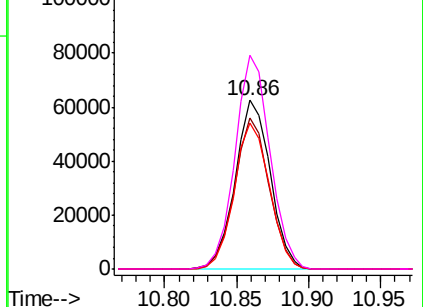


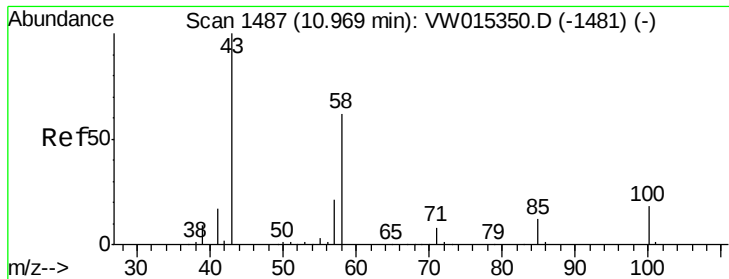
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

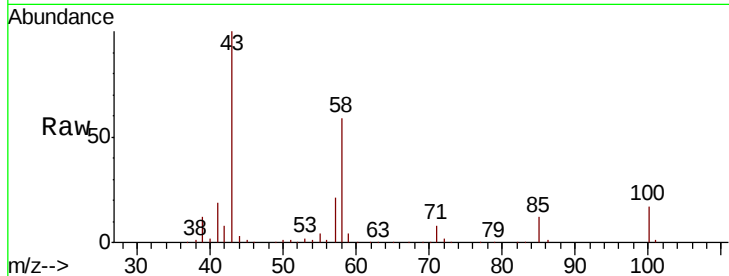




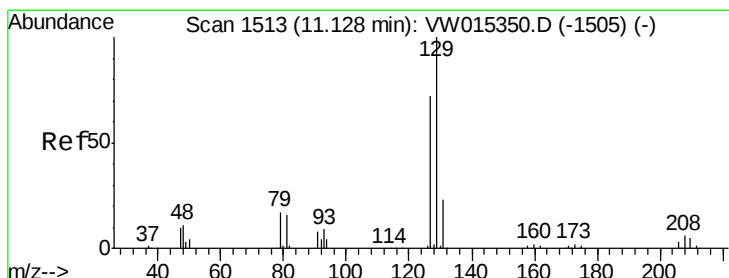
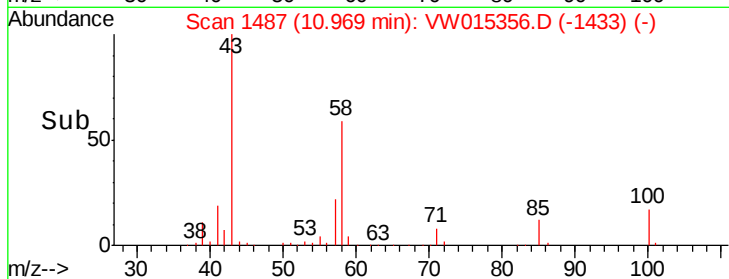
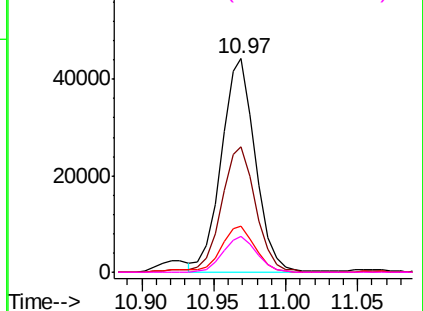
#49
2-Hexanone
Concen: 48.603 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW015356.D
Acq: 27 Apr 2020 16:16

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 73392
Ion Ratio Lower Upper
43 100
58 58.9 47.4 71.2
57 21.6 16.7 25.1
100 16.7 13.4 20.2

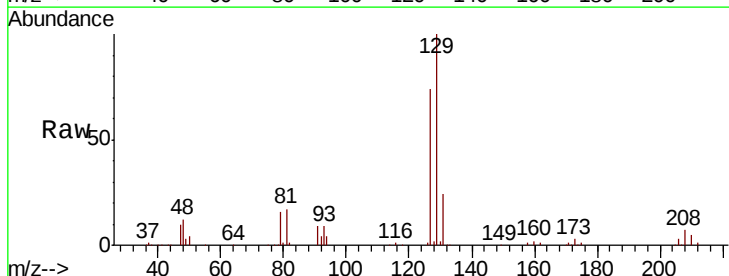


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW
Ion 57.00 (56.70 to 57.70): VW
Ion 100.00 (99.70 to 100.70): VW

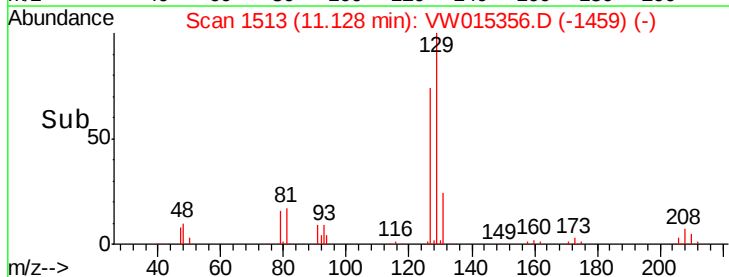
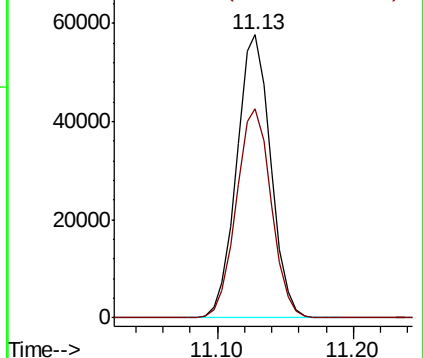


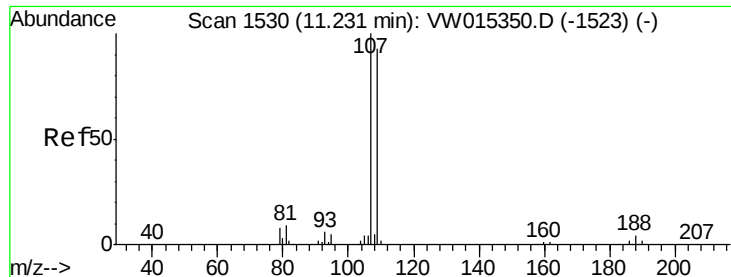
#50
Dibromochloromethane
Concen: 23.675 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW015356.D
Acq: 27 Apr 2020 16:16

Tgt Ion:129 Resp: 100825
Ion Ratio Lower Upper
129 100
127 73.8 50.7 94.1



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

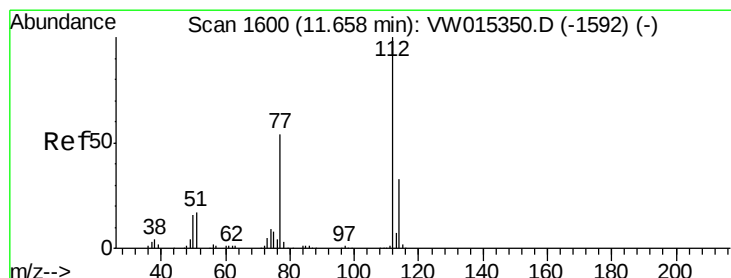
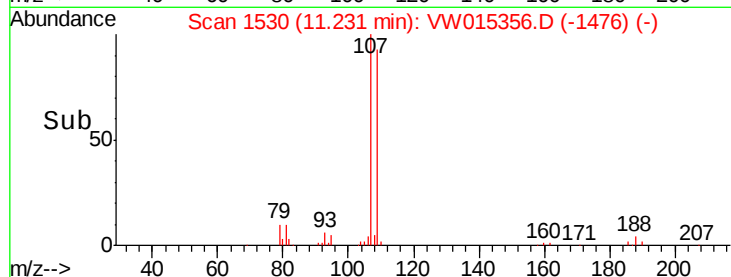
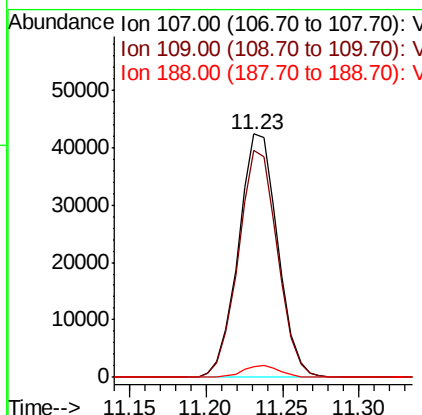
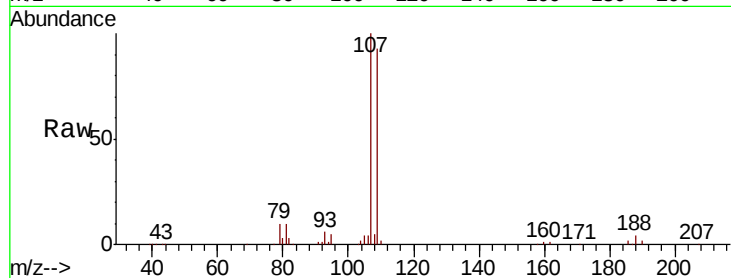




#51
 1,2-Dibromoethane
 Concen: 23.725 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW015356.D
 Acq: 27 Apr 2020 16:16

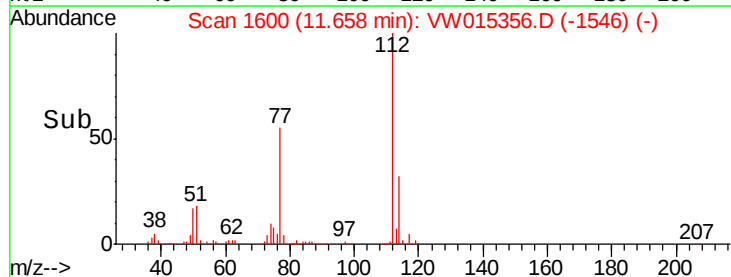
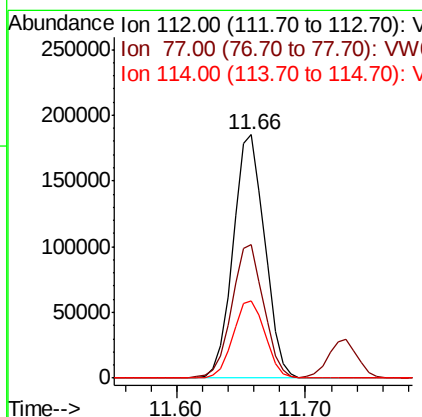
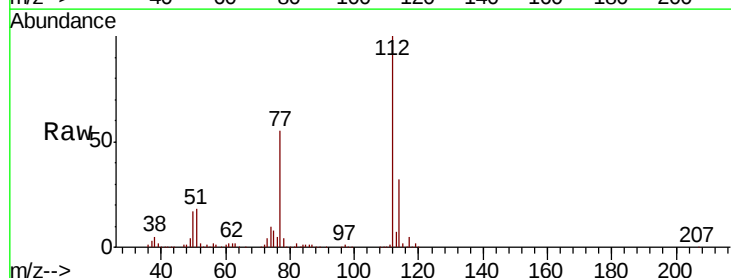
Instrument :
 MSVOA_W
 ClientSampled :

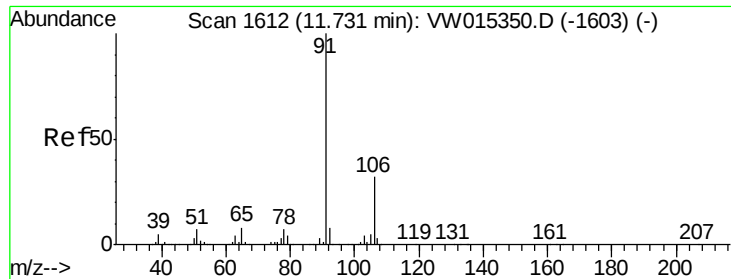
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.2	65.3	121.3
188	4.2	3.1	4.7



#52
 Chlorobenzene
 Concen: 23.868 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW015356.D
 Acq: 27 Apr 2020 16:16

Tgt Ion	Ratio	Lower	Upper
112	100		
77	54.9	43.0	64.6
114	31.6	23.3	43.3

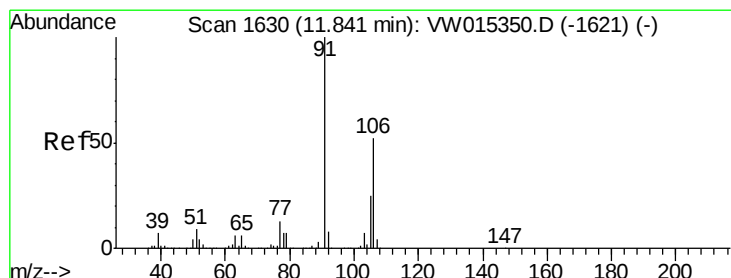
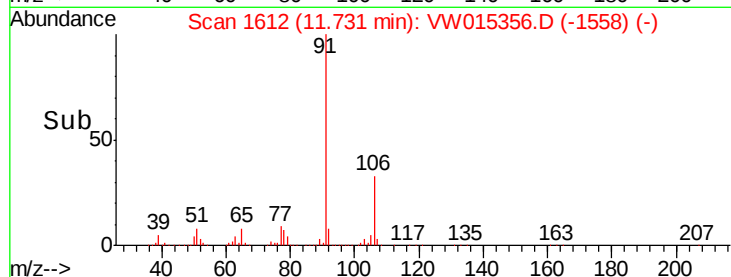
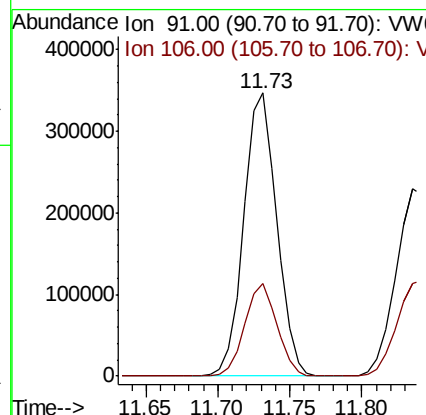
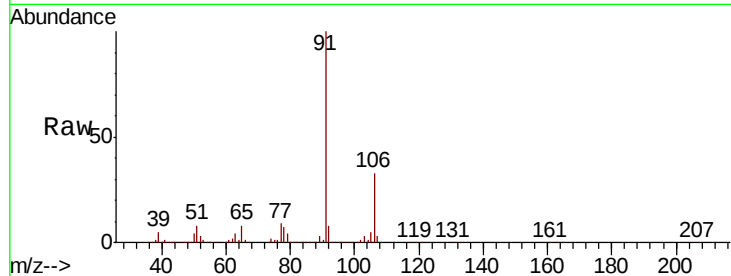




#53
Ethylbenzene
Concen: 23.846 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW015356.D
Acq: 27 Apr 2020 16:16

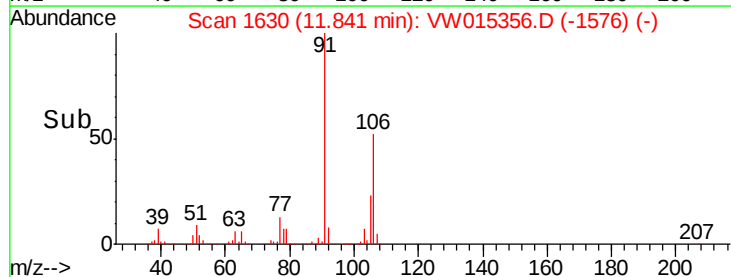
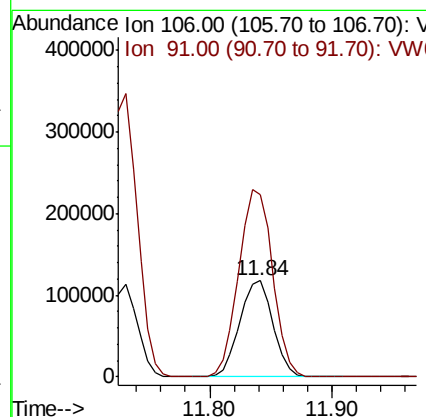
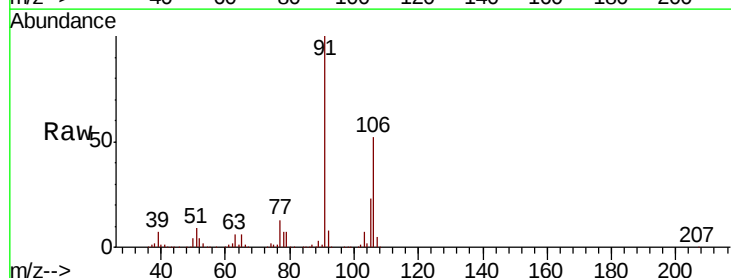
Instrument :
MSVOA_W
ClientSampleId :

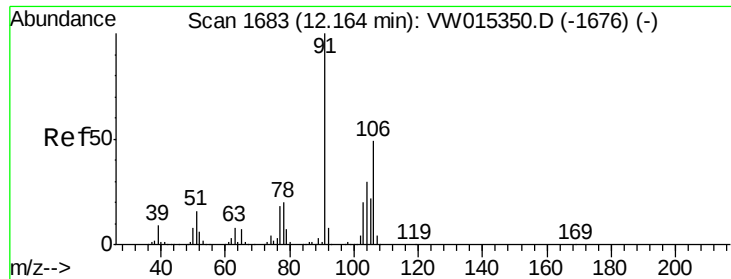
Tot Ion: 91 Resp: 549539
Ion Ratio Lower Upper
91 100
106 32.7 22.5 41.9



#54
m,p-Xylene
Concen: 23.966 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW015356.D
Acq: 27 Apr 2020 16:16

Tgt Ion: 106 Resp: 221440
Ion Ratio Lower Upper
106 100
91 190.6 134.3 249.5

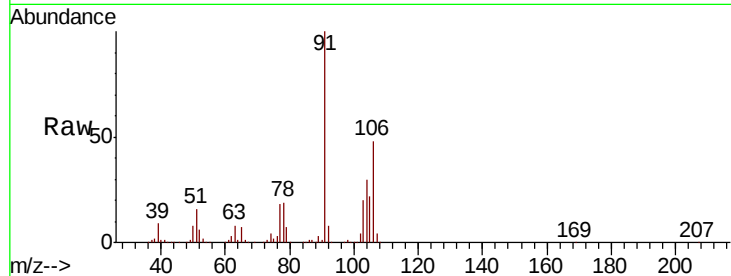




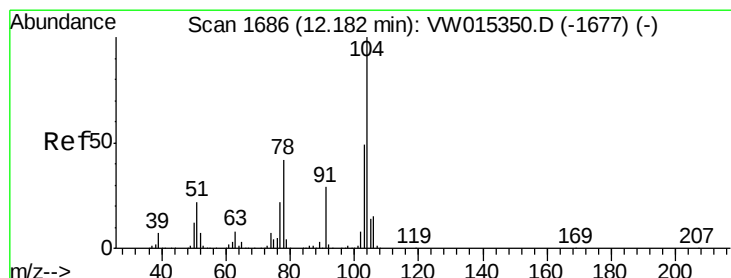
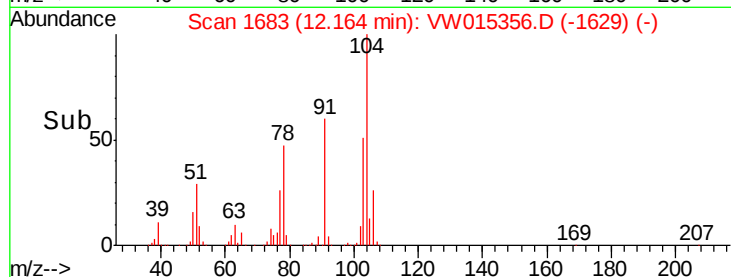
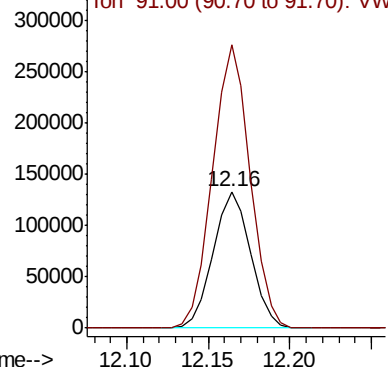
#55
o-xylene
Concen: 24.298 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW015356.D
Acq: 27 Apr 2020 16:16

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:106 Resp: 212762
Ion Ratio Lower Upper
106 100
91 207.4 142.0 263.8

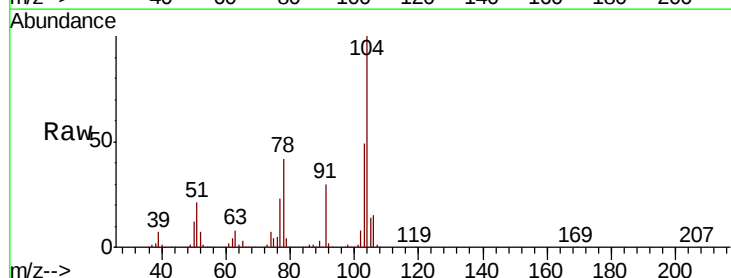


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

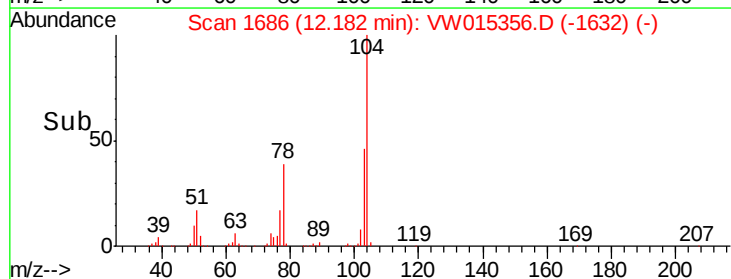
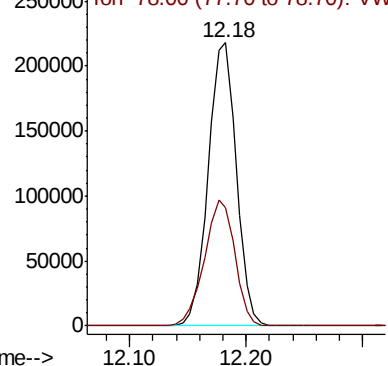


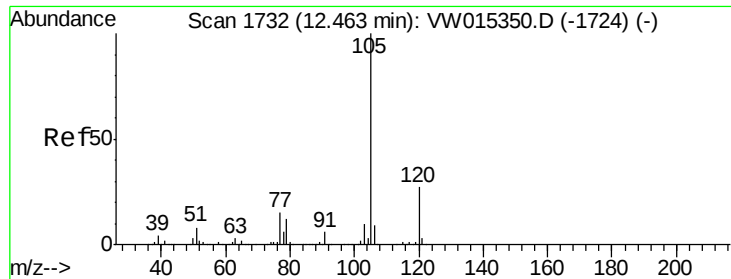
#56
Styrene
Concen: 24.620 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW015356.D
Acq: 27 Apr 2020 16:16

Tgt Ion:104 Resp: 366787
Ion Ratio Lower Upper
104 100
78 41.9 29.5 54.7



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 23.876 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW015356.D

Acq: 27 Apr 2020 16:16

Instrument :

MSVOA_W

ClientSampled :

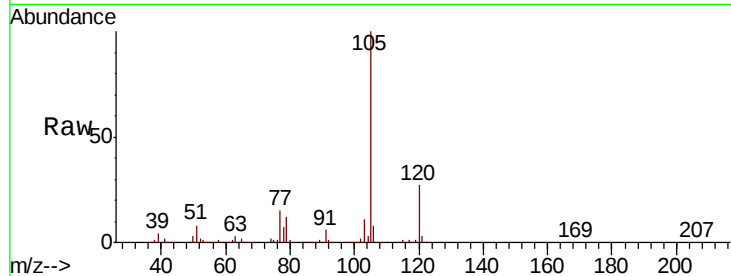
Tot Ion:105 Resp: 577094

Ion Ratio Lower Upper

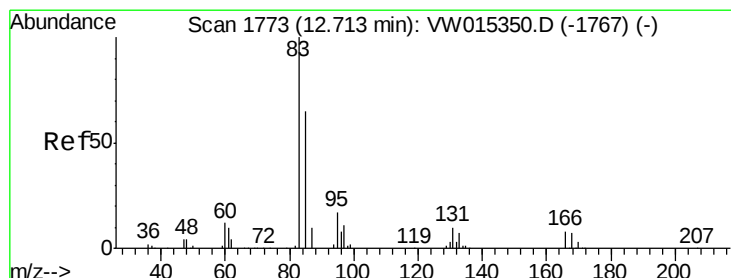
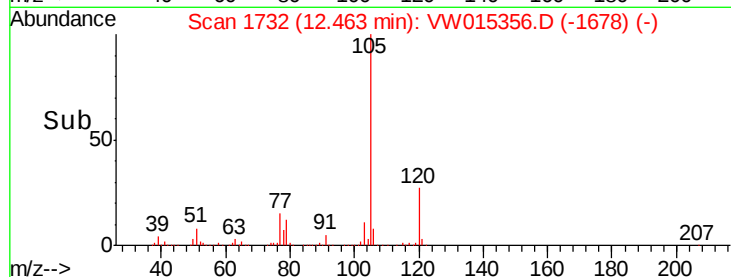
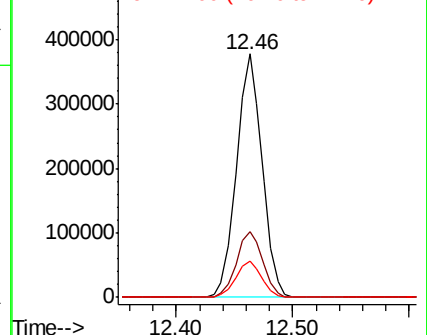
105 100

120 27.6 21.8 32.8

77 15.1 12.1 18.1



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: 24.350 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW015356.D

Acq: 27 Apr 2020 16:16

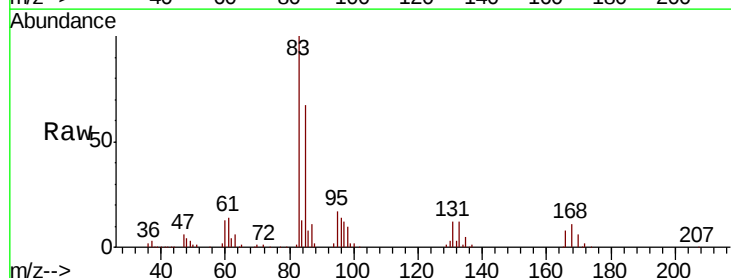
Tgt Ion: 83 Resp: 85449

Ion Ratio Lower Upper

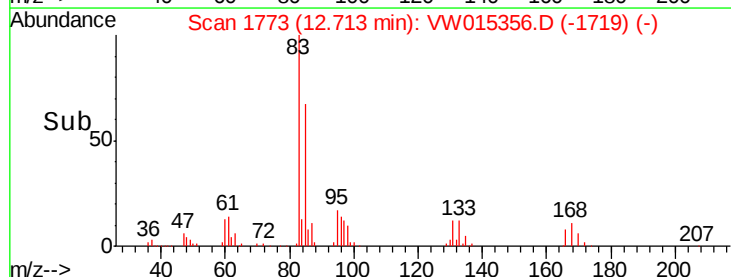
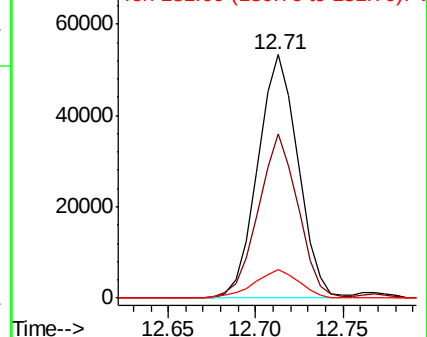
83 100

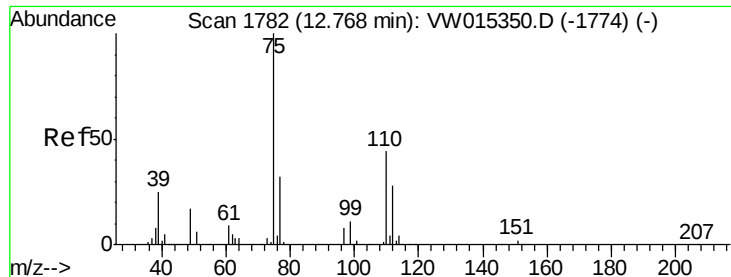
85 67.3 45.7 84.9

131 12.0 8.8 13.2



Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 85.00 (84.70 to 85.70): VW
Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 24.290 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW015356.D

Acq: 27 Apr 2020 16:16

Instrument :

MSVOA_W

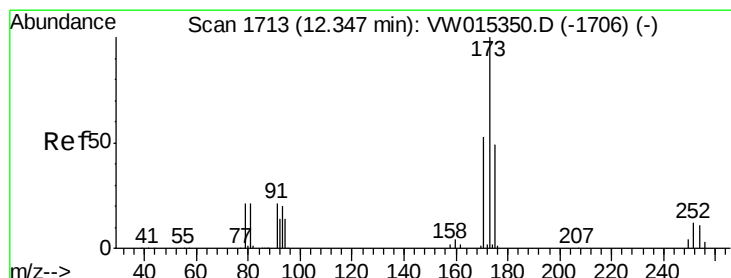
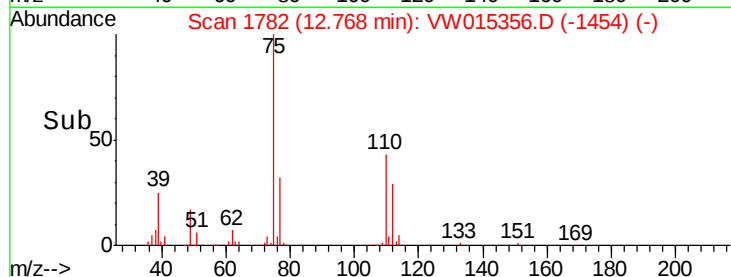
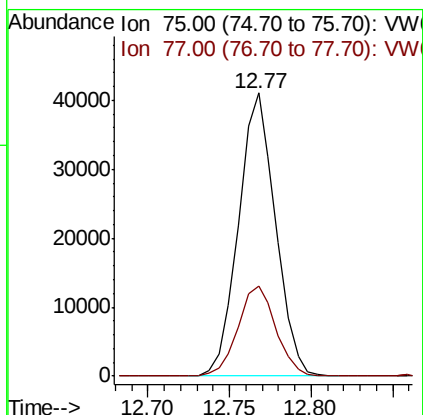
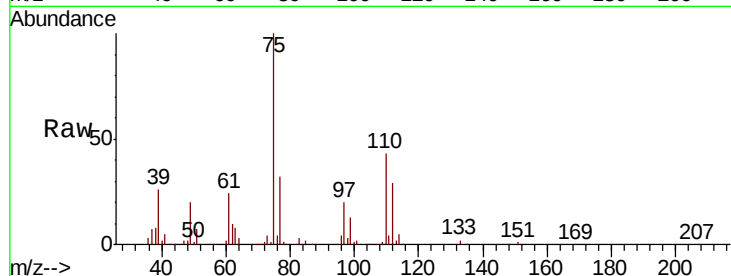
ClientSampleId :

Tot Ion: 75 Resp: 64676

Ion Ratio Lower Upper

75 100

77 32.6 26.9 40.3



#62

Bromoform

Concen: 23.863 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW015356.D

Acq: 27 Apr 2020 16:16

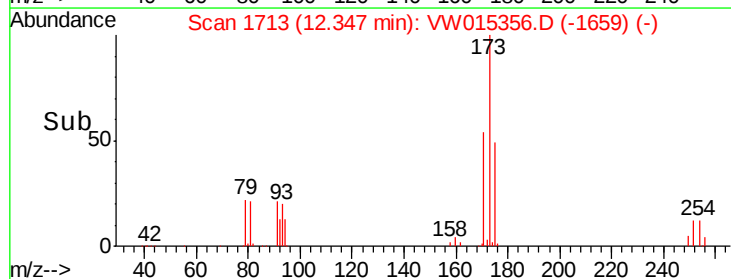
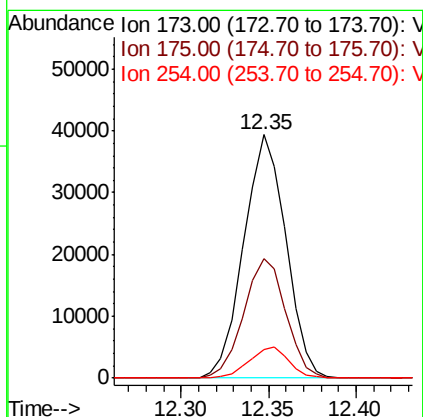
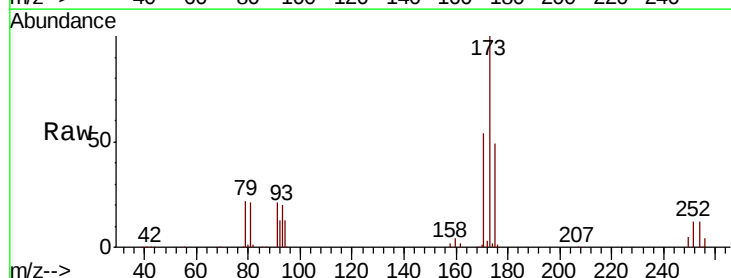
Tgt Ion:173 Resp: 65984

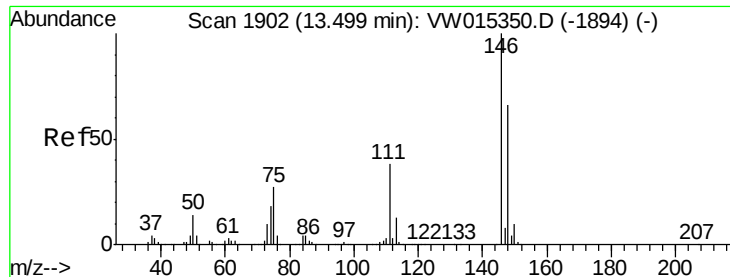
Ion Ratio Lower Upper

173 100

175 48.9 39.5 59.3

254 12.0 9.0 13.6





#63

1,3-Dichlorobenzene

Concen: 23.819 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW015356.D

Acq: 27 Apr 2020 16:16

Instrument :

MSVOA_W

ClientSampleId :

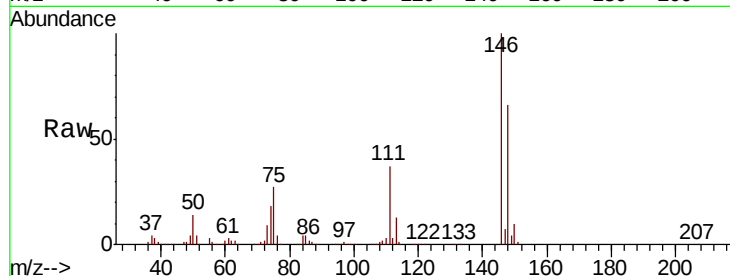
Tot Ion:146 Resp: 275348

Ion Ratio Lower Upper

146 100

111 37.1 26.4 49.0

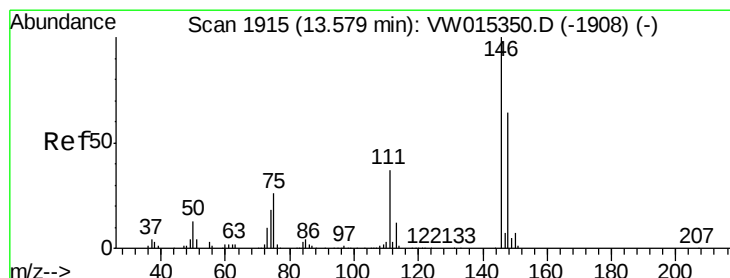
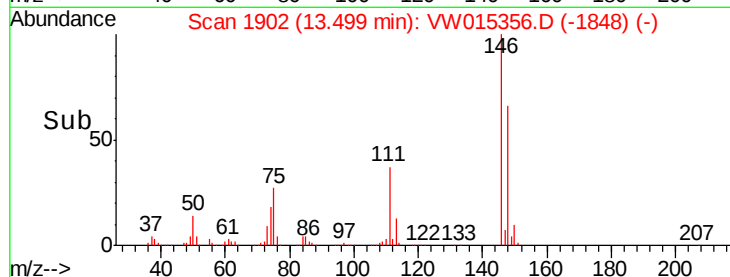
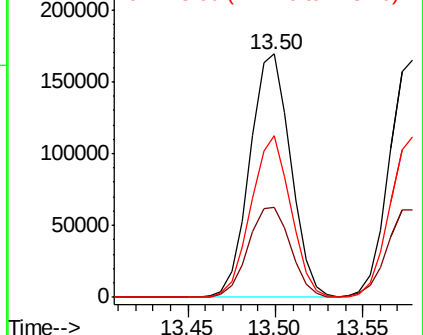
148 66.2 46.1 85.5



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



#64

1,4-Dichlorobenzene

Concen: 23.510 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW015356.D

Acq: 27 Apr 2020 16:16

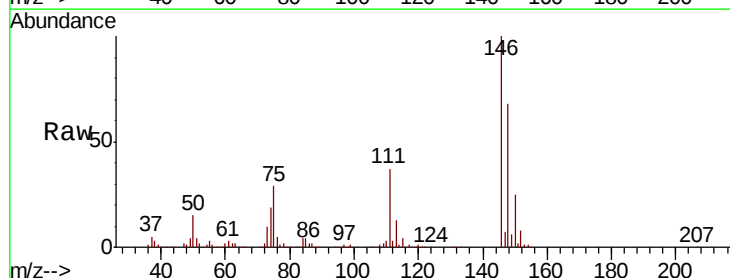
Tgt Ion:146 Resp: 268276

Ion Ratio Lower Upper

146 100

111 36.7 26.0 48.4

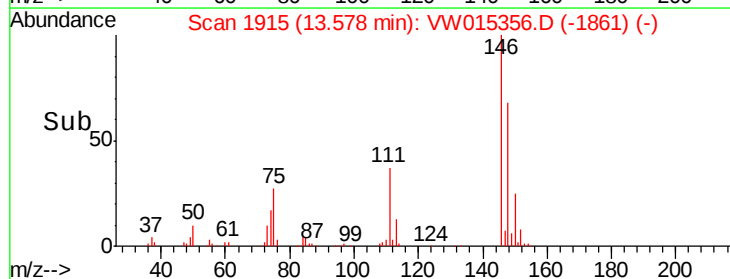
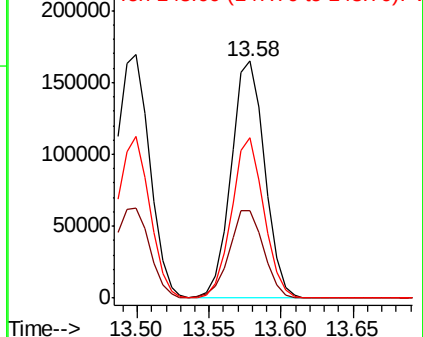
148 68.0 44.7 83.1

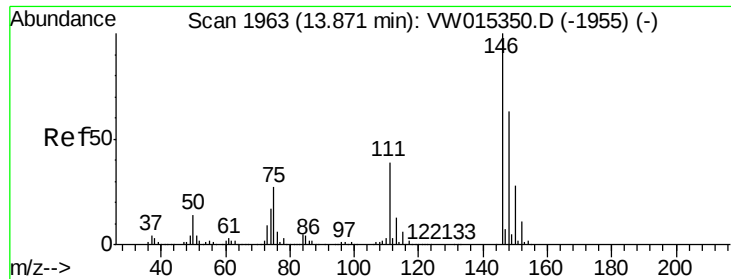


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

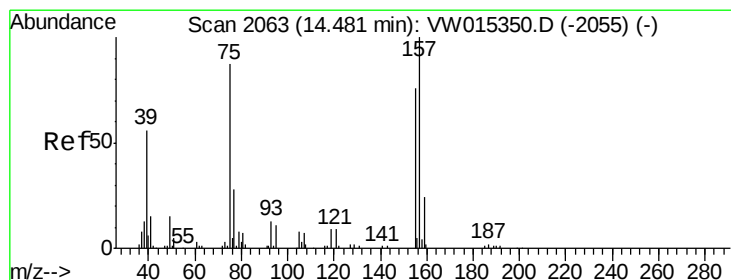
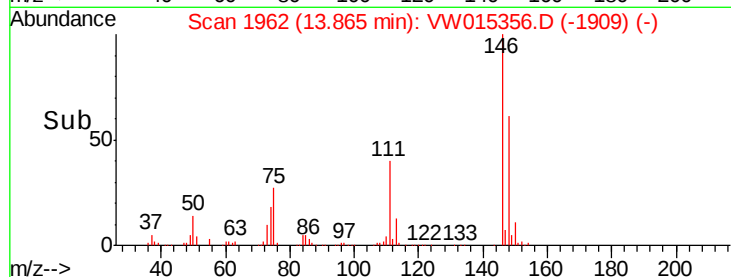
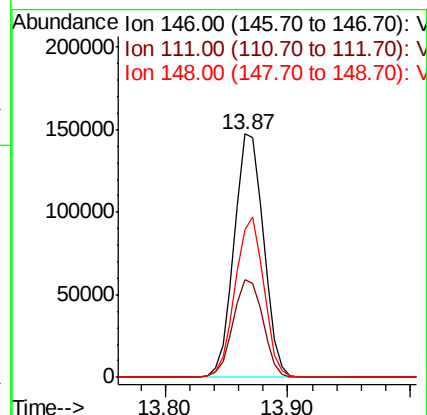
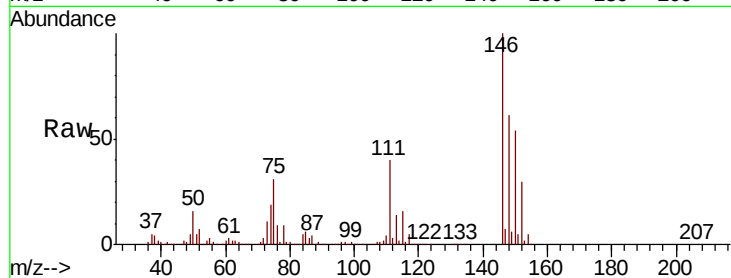




#65
 1,2-Dichlorobenzene
 Concen: 23.667 ug/L
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW015356.D
 Acq: 27 Apr 2020 16:16

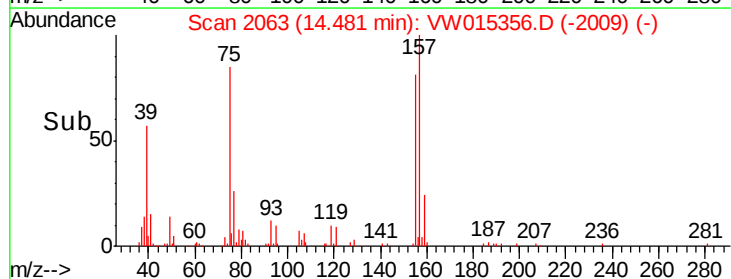
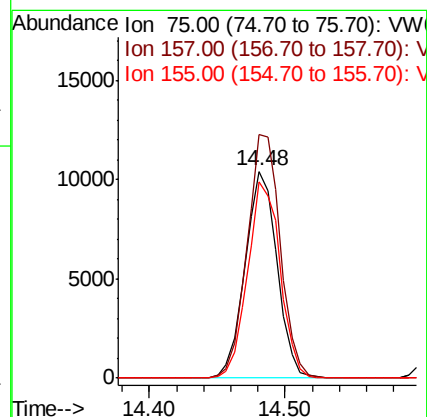
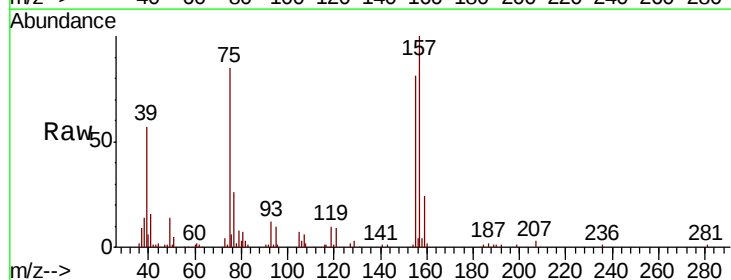
Instrument :
 MSVOA_W
 ClientSampleId :

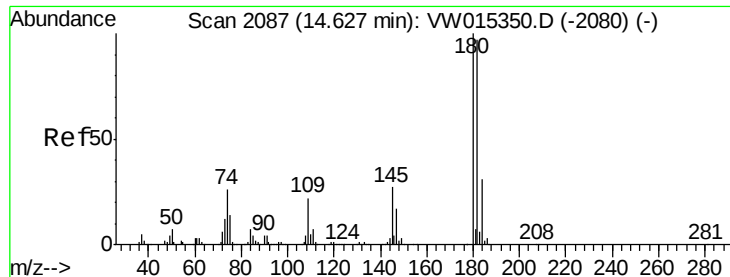
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	31.2	46.8
148	60.6	50.7	76.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 24.918 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW015356.D
 Acq: 27 Apr 2020 16:16

Tgt Ion	Ratio	Lower	Upper
75	100		
157	117.7	92.3	138.5
155	94.8	70.4	105.6

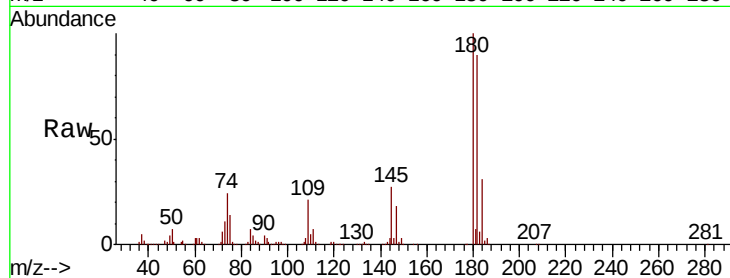




#67
 1,3,5-Trichlorobenzene
 Concen: 23.926 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW015356.D
 Acq: 27 Apr 2020 16:16

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:180	Resp:	206350
Ion Ratio	Lower	Upper
180	100	
182	94.6	78.1 117.1
184	30.1	24.5 36.7
145	27.9	22.2 33.2



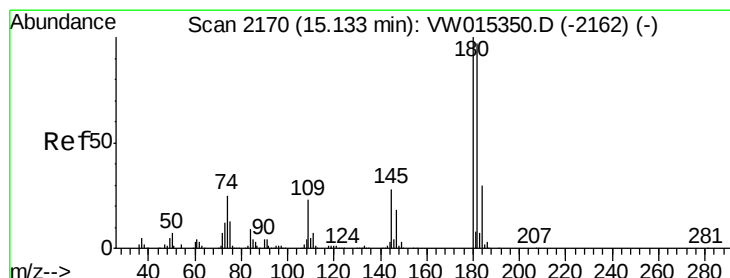
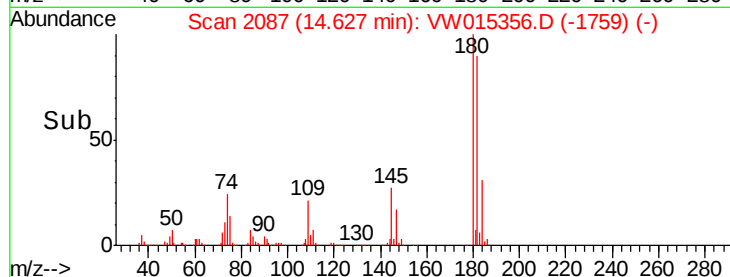
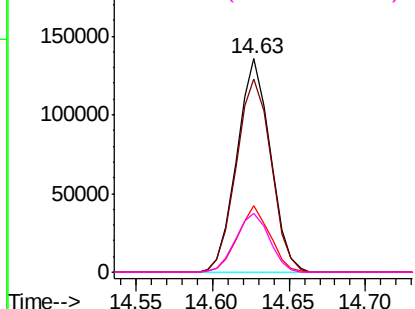
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

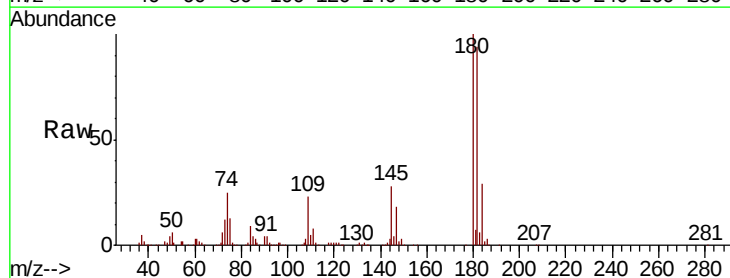
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 24.583 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW015356.D
 Acq: 27 Apr 2020 16:16

Tgt Ion:180	Resp:	168940
Ion Ratio	Lower	Upper
180	100	
182	96.8	77.9 116.9
145	28.4	23.5 35.3

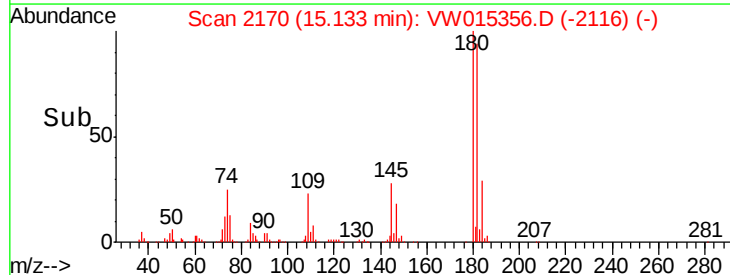
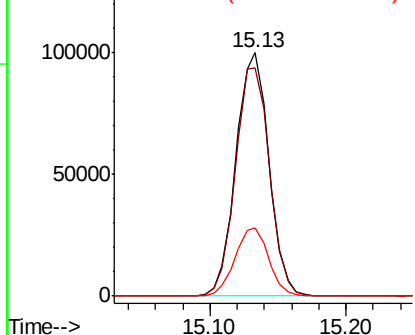


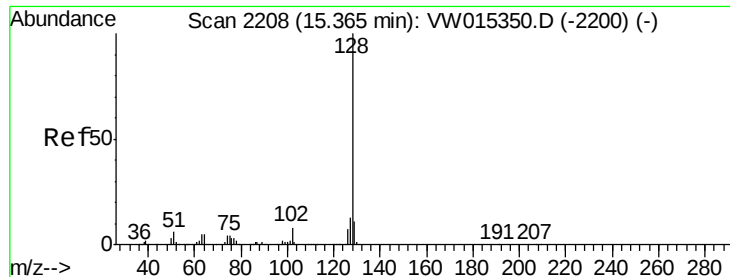
Abundance

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: 24.887 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW015356.D

Acq: 27 Apr 2020 16:16

Instrument :

MSVOA_W

ClientSampleId :

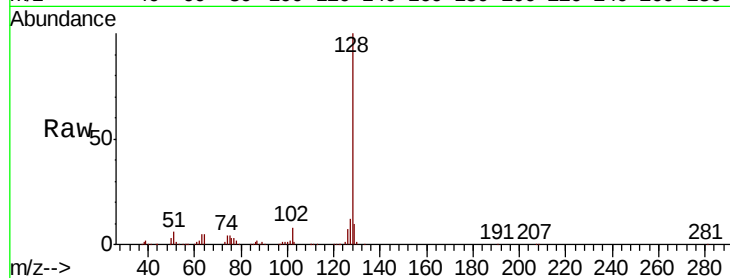
Tot Ion:128 Resp: 288662

Ion Ratio Lower Upper

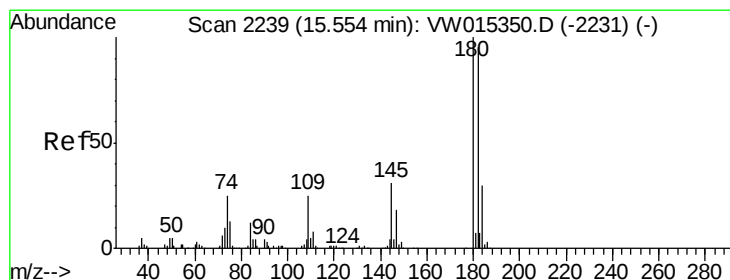
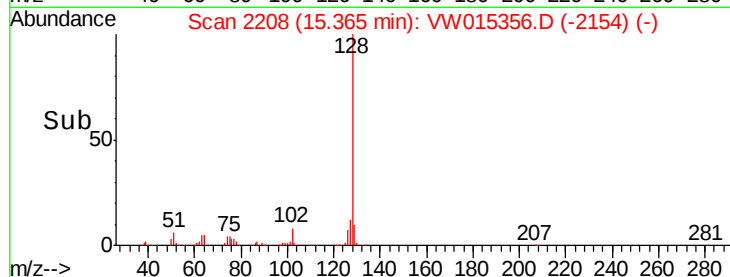
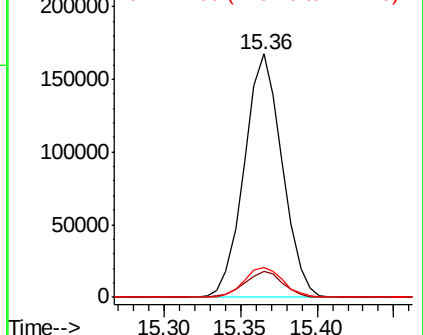
128 100

129 10.9 8.6 13.0

127 12.8 10.4 15.6



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: 24.505 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW015356.D

Acq: 27 Apr 2020 16:16

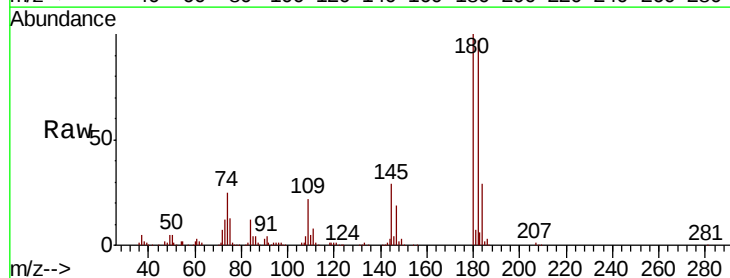
Tgt Ion:180 Resp: 144966

Ion Ratio Lower Upper

180 100

182 95.3 77.4 116.0

145 30.5 24.8 37.2



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

