

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032520\
 Data File : VW015129.D
 Acq On : 25 Mar 2020 09:37
 Operator : SY/VA
 Sample : VSTD2.502
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Mar 25 13:59:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 25 13:57:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	632159	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	565737	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	227483	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	31250	2.12	ug/L	0.00
7) Chloroethane-d5	2.89	69	24689	2.27	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	59682	2.51	ug/L	0.00
20) 2-Butanone-d5	7.09	46	11607	4.52	ug/L	0.00
24) Chloroform-d	7.65	84	53939	2.69	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	32128	2.85	ug/L	0.00
29) Benzene-d6	8.27	84	100781	2.70	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	34043	2.72	ug/L	0.00
37) Toluene-d8	10.32	98	80181	2.57	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	12403	2.67	ug/L	0.00
39) 2-Hexanone-d5	10.92	63	7862	4.68	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	23436	2.86	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	22574	2.80	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	12897	2.428	ug/L 98
3) Chloromethane	2.21	50	27894	2.374	ug/L 99
5) Vinyl chloride	2.36	62	35814	2.340	ug/L 99
6) Bromomethane	2.78	94	19624	2.754	ug/L 96
8) Chloroethane	2.93	64	20982	2.464	ug/L 100
9) Trichlorofluoromethane	3.26	101	17840	2.499	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	25833	2.622	ug/L # 73
12) 1,1-Dichloroethene	4.04	96	24689	2.641	ug/L 97
13) Acetone	4.13	43	11945	4.161	ug/L 88
14) Carbon disulfide	4.38	76	91861	2.603	ug/L 97
16) Methylene chloride	4.92	84	32562	2.811	ug/L 95
17) Methyl tert-butyl Ether	5.42	73	29140	2.528	ug/L # 89
18) trans-1,2-Dichloroethene	5.42	96	25830	2.664	ug/L 98
19) 1,1-Dichloroethane	6.21	63	55975	2.601	ug/L 99
21) 2-Butanone	7.18	43	15568	4.422	ug/L 95
22) cis-1,2-Dichloroethene	7.17	96	24009	2.448	ug/L 97
23) Bromochloromethane	7.51	128	11026	2.858	ug/L 91
25) Chloroform	7.68	83	50398	2.575	ug/L 100
27) 1,2-Dichloroethane	8.40	62	36380	2.693	ug/L 100
30) Cyclohexane	7.95	56	40114	2.153	ug/L 98
31) 1,1,1-Trichloroethane	7.87	97	39327	2.703	ug/L 97
32) Carbon tetrachloride	8.07	117	34110	2.629	ug/L 100
34) Benzene	8.32	78	106604	2.562	ug/L 100
35) Trichloroethene	9.09	95	26968	2.658	ug/L 98
36) Methylcyclohexane	9.34	83	40175	2.324	ug/L 96
40) 1,2-Dichloropropane	9.37	63	30734	2.660	ug/L 98
41) Bromodichloromethane	9.65	83	34911	2.678	ug/L 96
42) cis-1,3-Dichloropropene	10.07	75	35095	2.333	ug/L 97
43) 4-Methyl-2-pentanone	10.21	43	28512	4.394	ug/L 95
44) Toluene	10.38	91	97843	2.415	ug/L 98

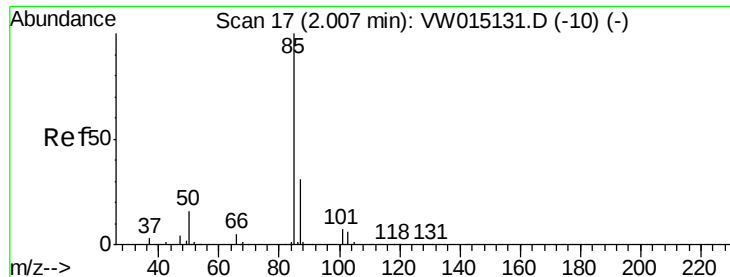
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 QLast Update : Wed Mar 25 13:57:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) trans-1,3-Dichloropropene	10.60	75	31288	2.526	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	18339	2.785	ug/L	97
47) Tetrachloroethene	10.86	164	17693	2.714	ug/L	93
49) 2-Hexanone	10.97	43	16054	3.464	ug/L	96
50) Dibromochloromethane	11.13	129	17421	2.503	ug/L	92
51) 1,2-Dibromoethane	11.23	107	15703	2.733	ug/L	96
52) Chlorobenzene	11.65	112	64300	2.692	ug/L	98
53) Ethylbenzene	11.73	91	102468	2.310	ug/L	100
54) m,p-Xylene	11.83	106	34314	2.214	ug/L	98
55) o-xylene	12.16	106	31237	2.156	ug/L	88
56) Styrene	12.18	104	51619	2.086	ug/L	98
57) Isopropylbenzene	12.46	105	84391	2.137	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	21793	2.620	ug/L #	98
59) 1,2,3-Trichloropropane	12.77	75	16266	2.550	ug/L	91
62) Bromoform	12.35	173	8673	2.707	ug/L #	97
63) 1,3-Dichlorobenzene	13.50	146	37961	2.581	ug/L	95
64) 1,4-Dichlorobenzene	13.58	146	40461	2.664	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	35266	2.638	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	3579	3.004	ug/L	92
67) 1,3,5-Trichlorobenzene	14.63	180	24654	2.530	ug/L	96
68) 1,2,4-trichlorobenzene	15.13	180	15680	2.179	ug/L	98
69) Naphthalene	15.36	128	24065	2.960	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	15145	2.338	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 2.428 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW015129.D

Acq: 25 Mar 2020 09:37

Instrument :

MSVOA_W

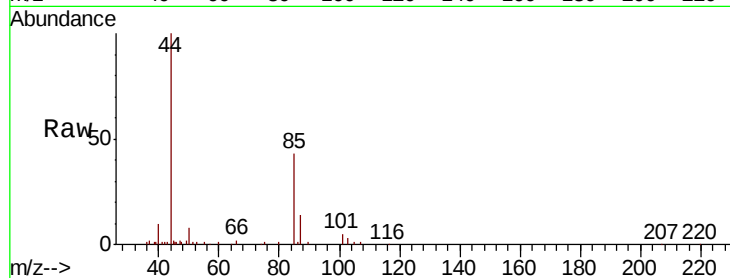
ClientSampleId :

Tot Ion: 85 Resp: 12897

Ion Ratio Lower Upper

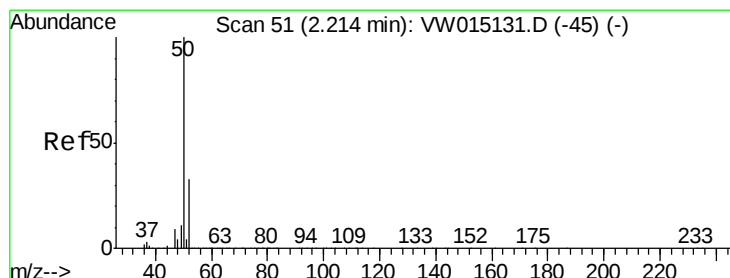
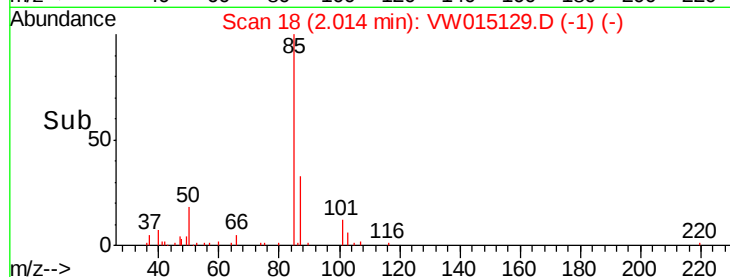
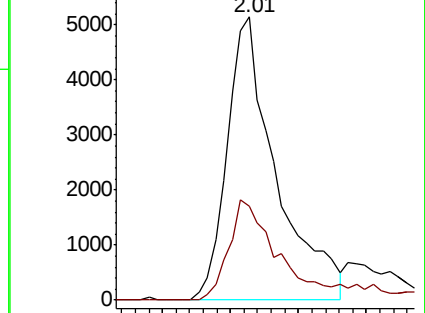
85 100

87 34.5 23.4 43.6



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 2.374 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015129.D

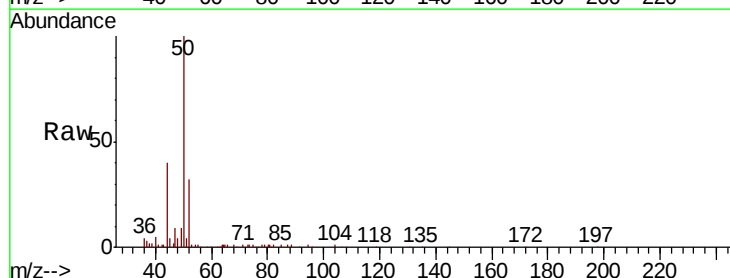
Acq: 25 Mar 2020 09:37

Tgt Ion: 50 Resp: 27894

Ion Ratio Lower Upper

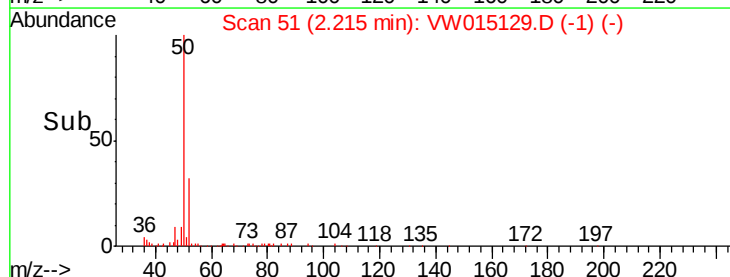
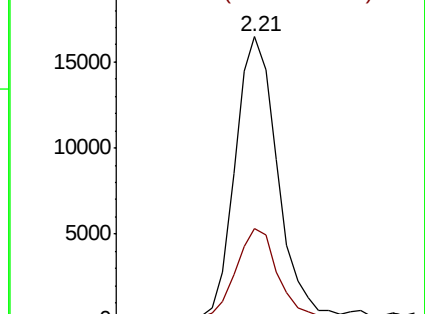
50 100

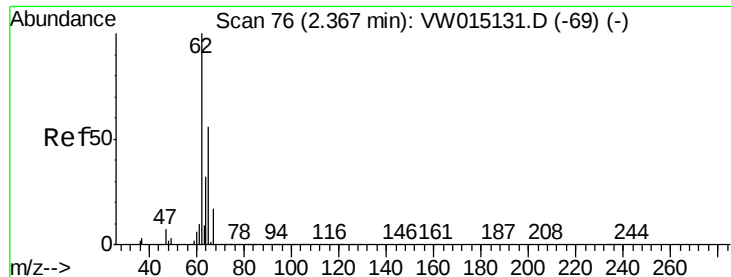
52 32.5 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 2.340 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW015129.D

Acq: 25 Mar 2020 09:37

Instrument :

MSVOA_W

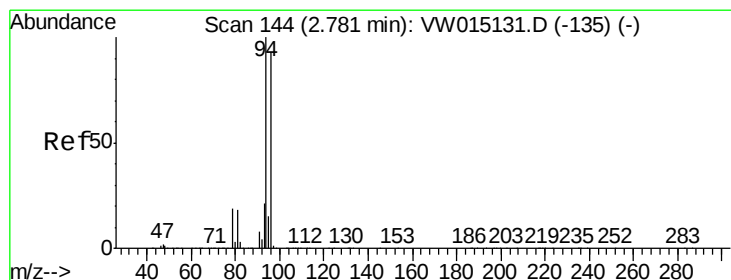
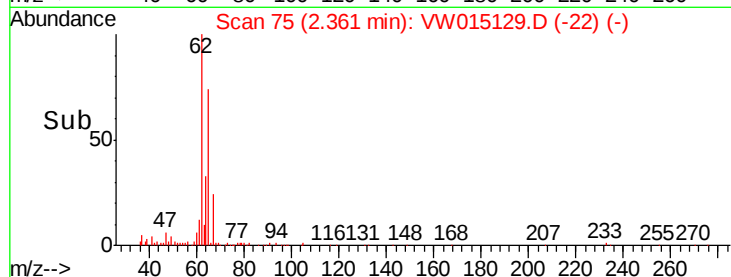
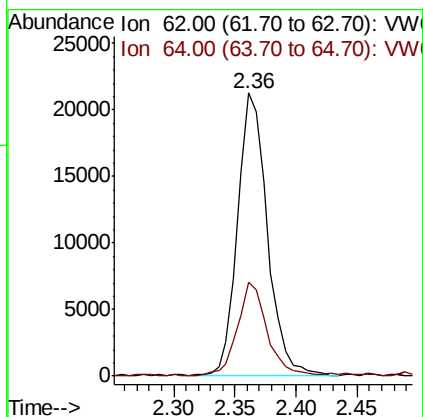
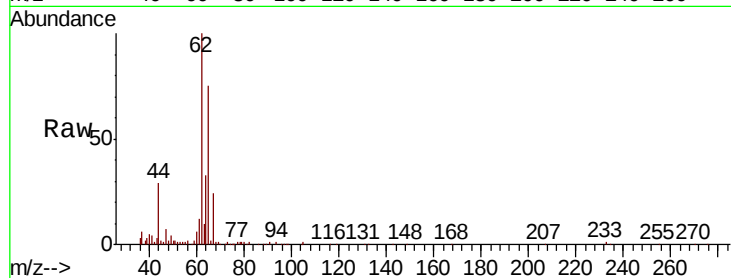
ClientSampled :

Tot Ion: 62 Resp: 35814

Ion Ratio Lower Upper

62 100

64 33.0 22.7 42.3



#6

Bromomethane

Concen: 2.754 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW015129.D

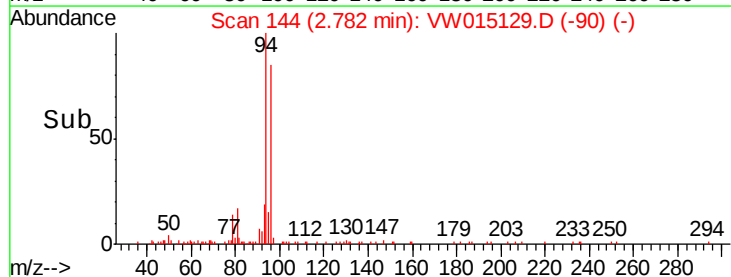
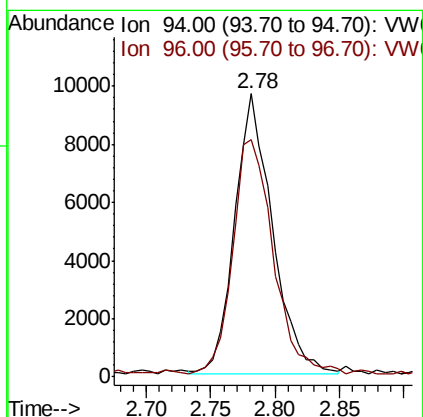
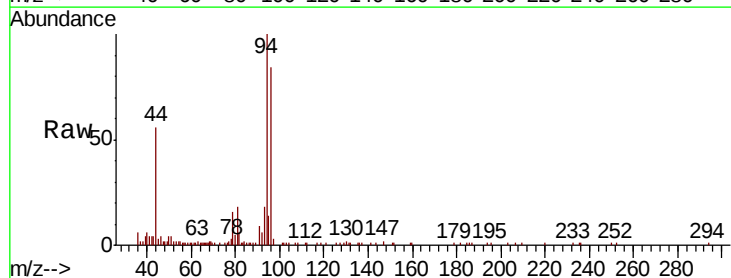
Acq: 25 Mar 2020 09:37

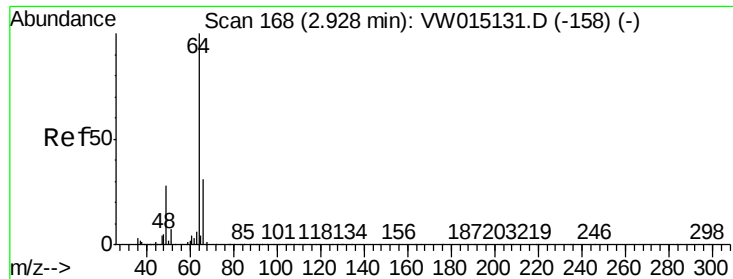
Tgt Ion: 94 Resp: 19624

Ion Ratio Lower Upper

94 100

96 89.0 9.3 177.3





#8

Chloroethane

Concen: 2.464 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW015129.D

Acq: 25 Mar 2020 09:37

Instrument :

MSVOA_W

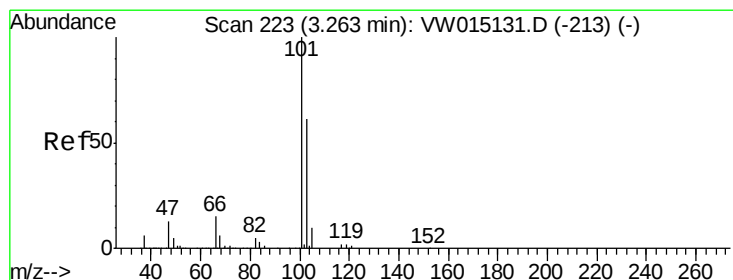
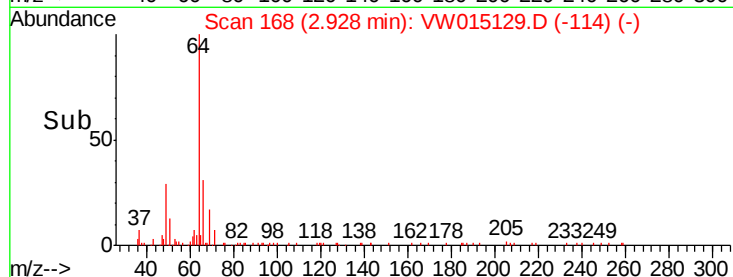
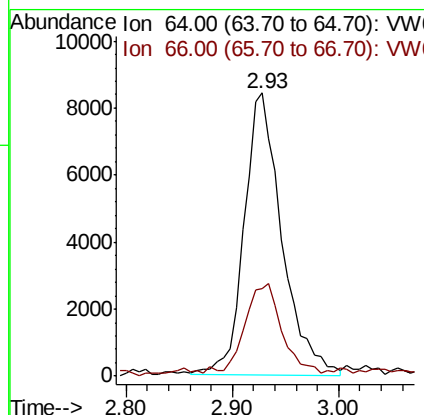
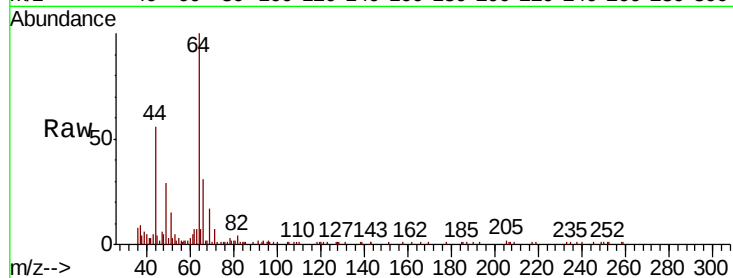
ClientSampleId :

Tot Ion: 64 Resp: 20982

Ion Ratio Lower Upper

64 100

66 31.1 21.8 40.6



#9

Trichlorofluoromethane

Concen: 2.499 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.00 min

Lab File: VW015129.D

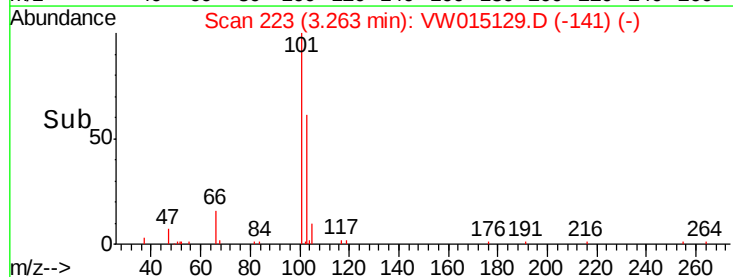
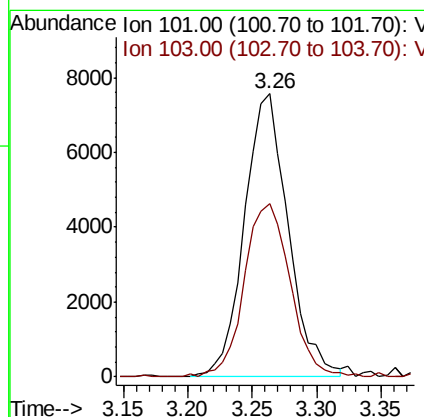
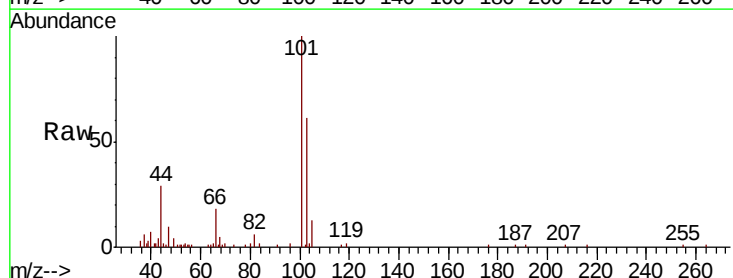
Acq: 25 Mar 2020 09:37

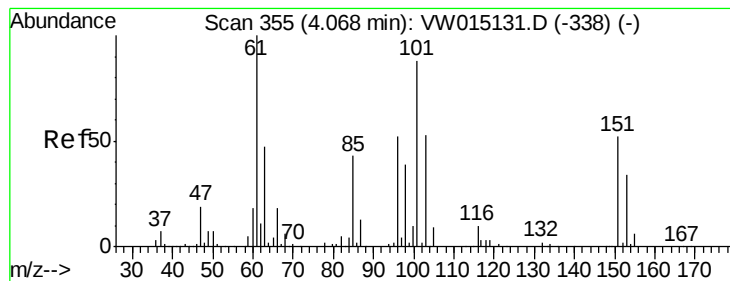
Tgt Ion: 101 Resp: 17840

Ion Ratio Lower Upper

101 100

103 64.2 43.8 81.4





#11

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

Concen: 2.622 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW015129.D

Acq: 25 Mar 2020 09:37

Instrument :

MSVOA_W

ClientSampled :

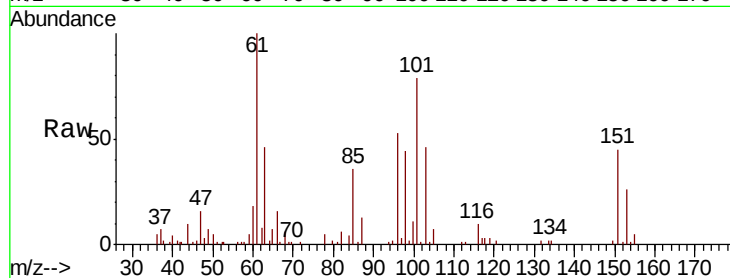
Tot Ion:101 Resp: 25833

Ion Ratio Lower Upper

101 100

85 50.8 37.8 56.6

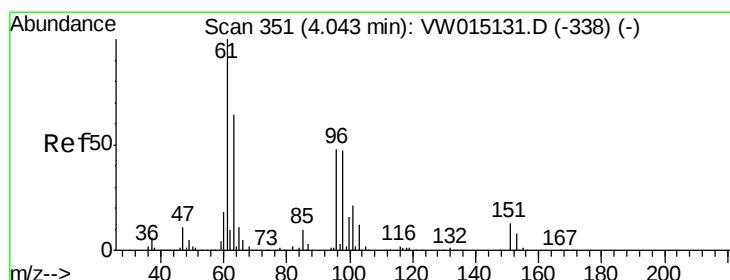
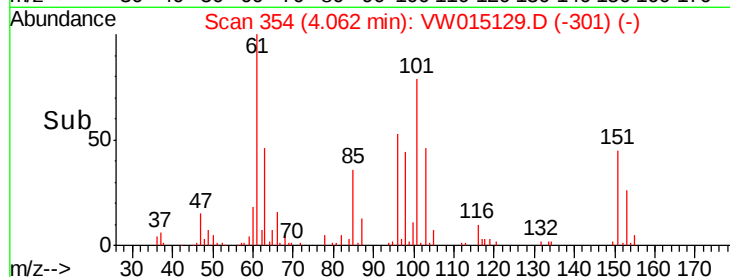
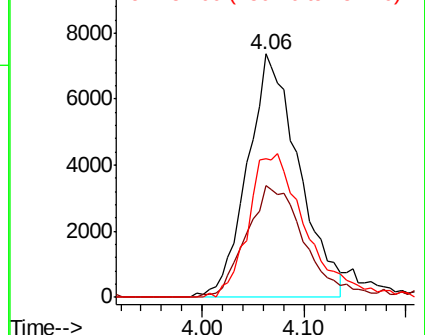
151 28.9 50.2 75.4#



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: 2.641 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.00 min

Lab File: VW015129.D

Acq: 25 Mar 2020 09:37

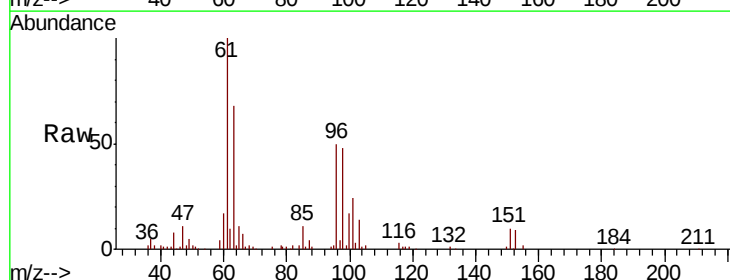
Tgt Ion: 96 Resp: 24689

Ion Ratio Lower Upper

96 100

61 201.2 146.2 271.4

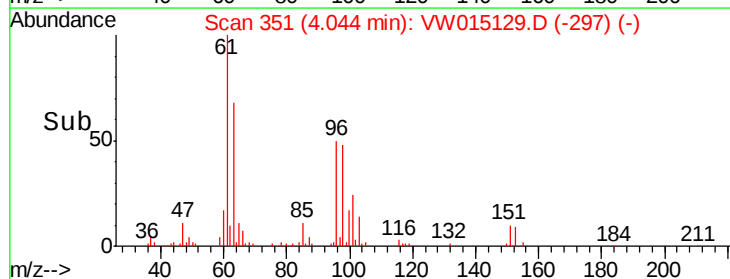
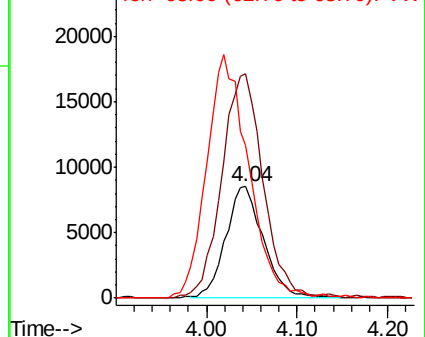
63 137.1 95.0 176.4

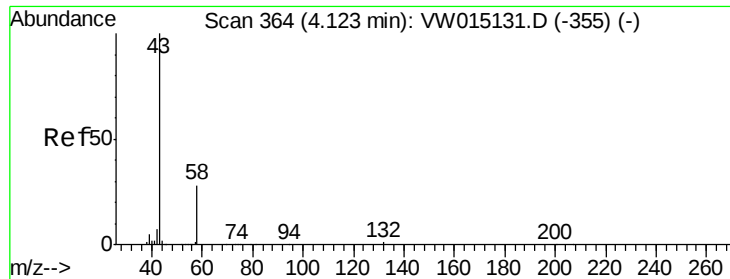


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 4.161 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW015129.D

Acq: 25 Mar 2020 09:37

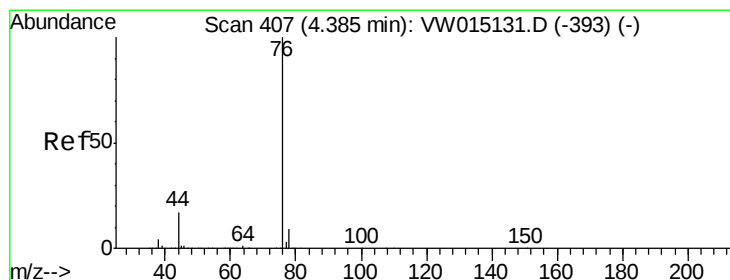
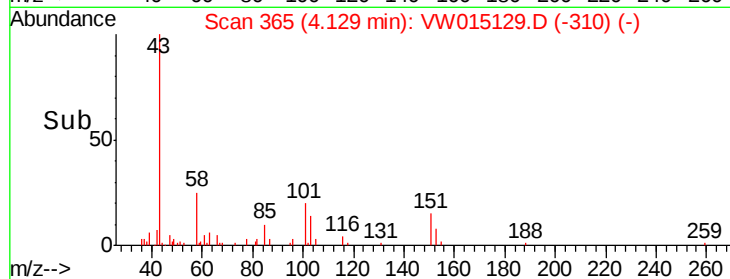
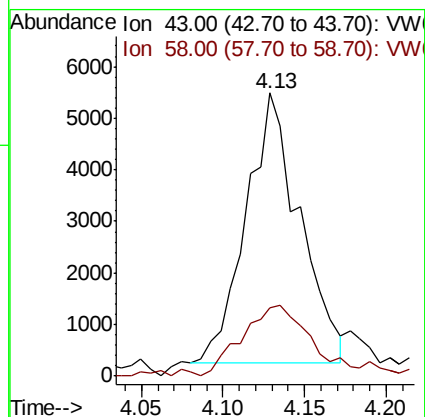
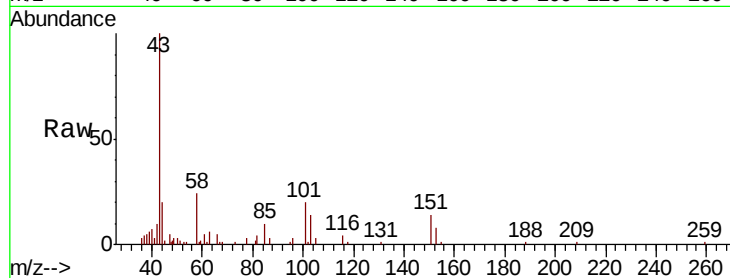
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 11945

Ion Ratio Lower Upper

43 100

58 33.5 0.0 54.4



#14

Carbon disulfide

Concen: 2.603 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW015129.D

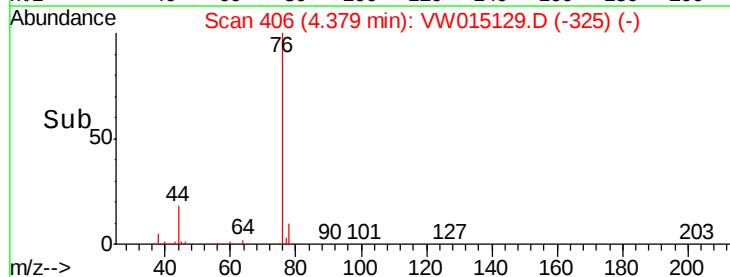
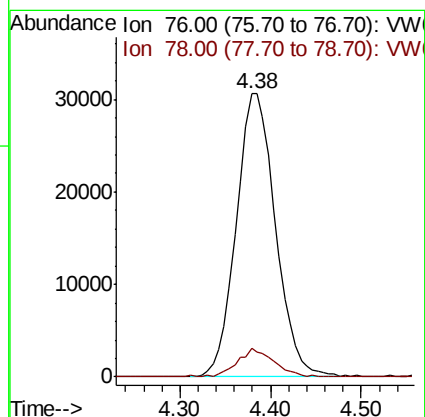
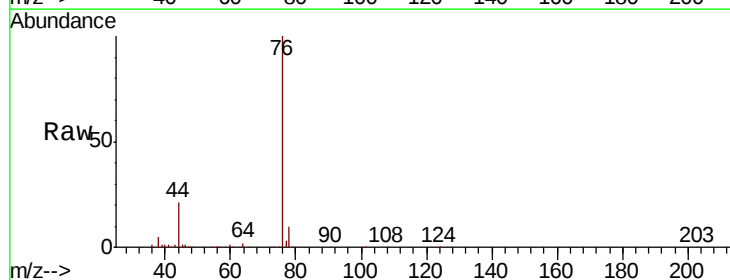
Acq: 25 Mar 2020 09:37

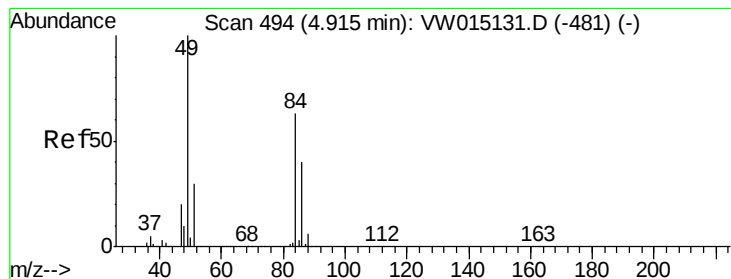
Tgt Ion: 76 Resp: 91861

Ion Ratio Lower Upper

76 100

78 10.1 7.3 10.9





#16

Methylene chloride

Concen: 2.811 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW015129.D

Acq: 25 Mar 2020 09:37

Instrument :

MSVOA_W

ClientSampleId :

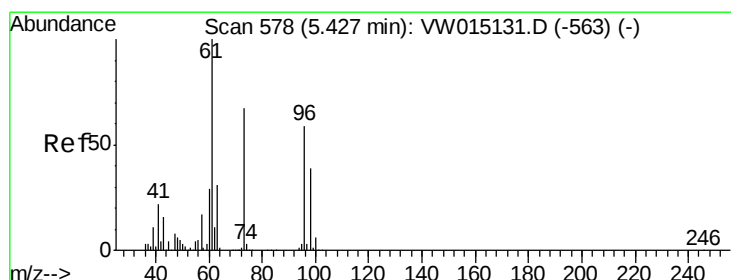
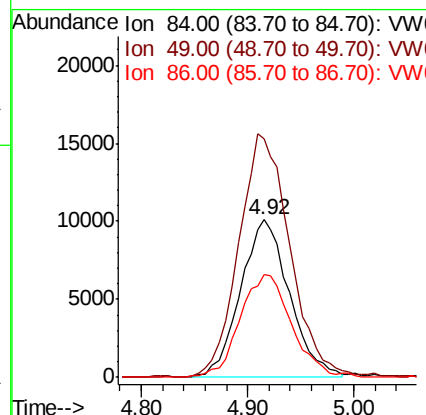
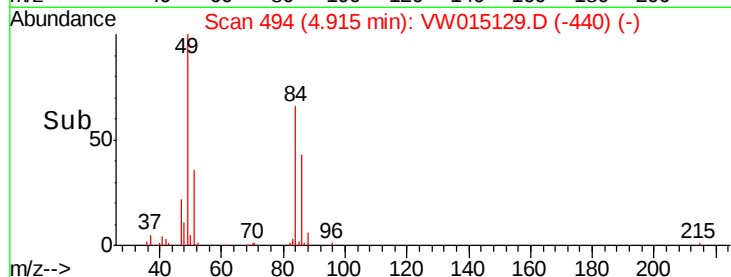
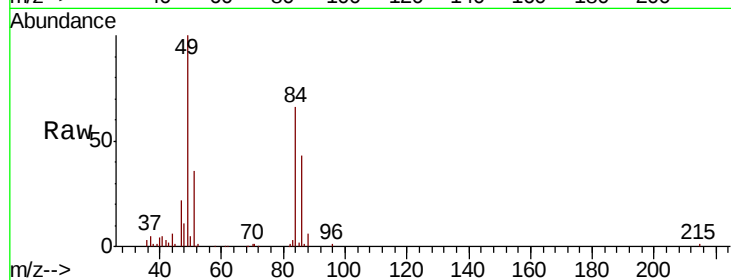
Tot Ion: 84 Resp: 32562

Ion Ratio Lower Upper

84 100

49 151.3 111.7 207.5

86 65.0 44.7 82.9



#17

Methyl tert-butyl Ether

Concen: 2.528 ug/L

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW015129.D

Acq: 25 Mar 2020 09:37

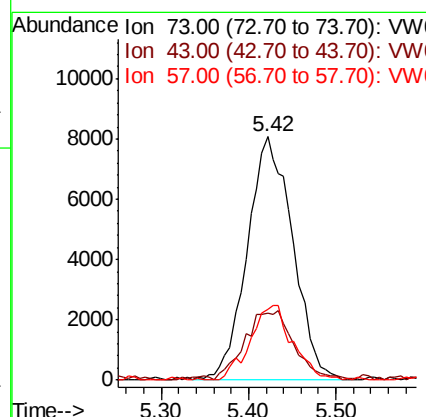
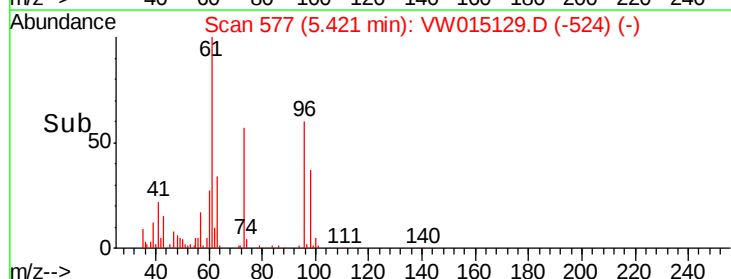
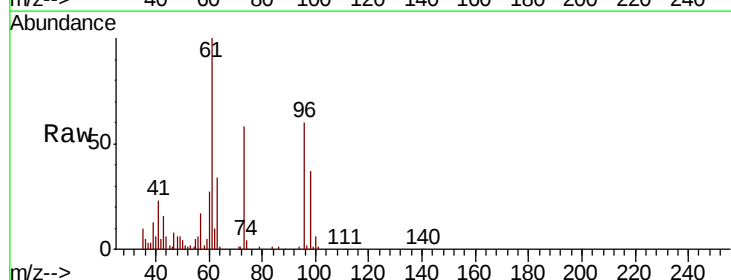
Tgt Ion: 73 Resp: 29140

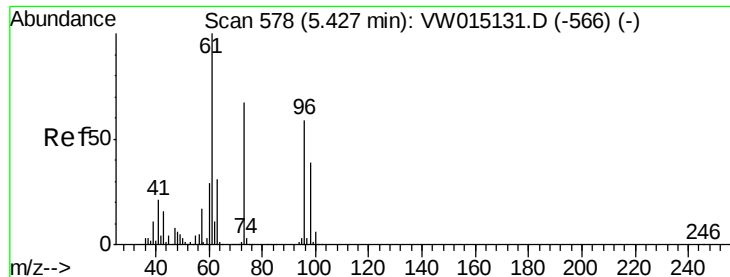
Ion Ratio Lower Upper

73 100

43 18.3 20.2 30.2#

57 28.5 19.7 29.5

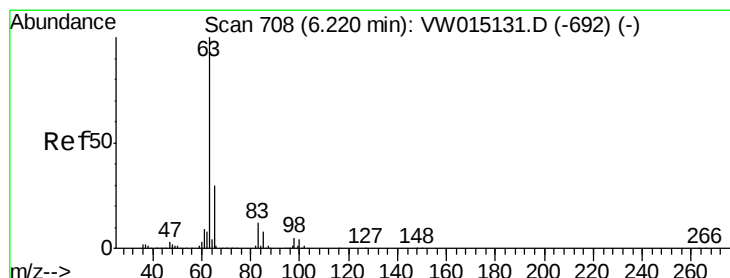
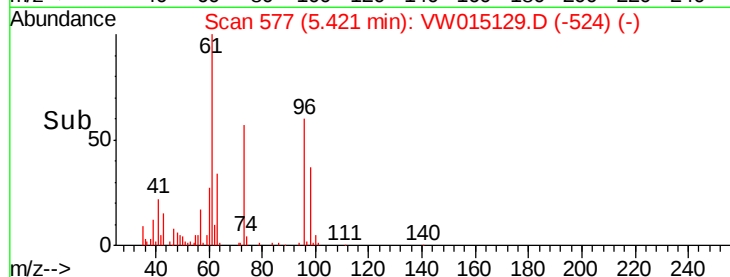
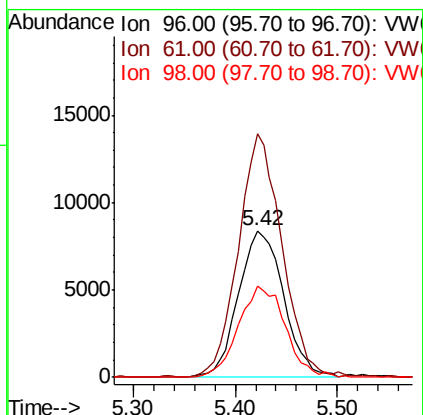
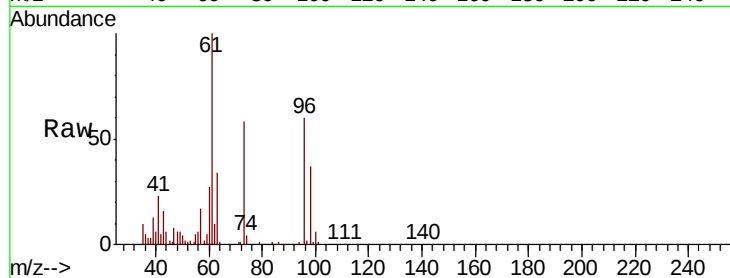




#18
trans-1,2-Dichloroethene
Concen: 2.664 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW015129.D
Acq: 25 Mar 2020 09:37

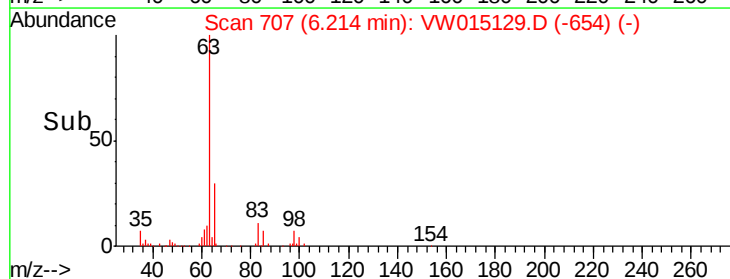
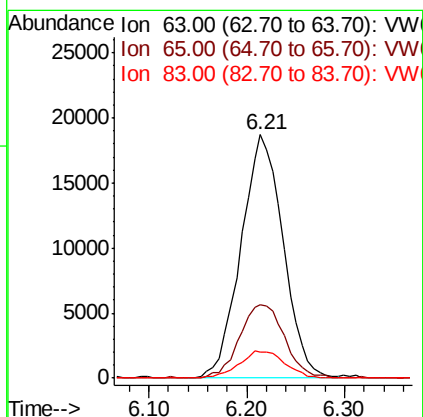
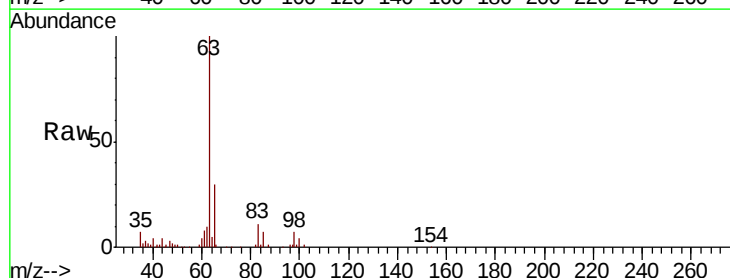
Instrument :
MSVOA_W
ClientSampleId :

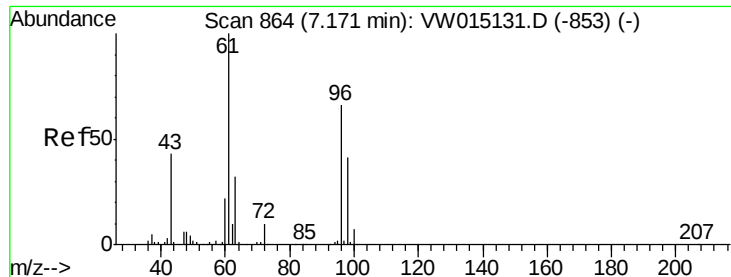
Tot Ion: 96 Resp: 25830
Ion Ratio Lower Upper
96 100
61 166.3 118.1 219.3
98 62.0 45.8 85.2



#19
1,1-Dichloroethane
Concen: 2.601 ug/L
RT: 6.21 min Scan# 707
Delta R.T. -0.01 min
Lab File: VW015129.D
Acq: 25 Mar 2020 09:37

Tgt Ion: 63 Resp: 55975
Ion Ratio Lower Upper
63 100
65 29.9 20.6 38.4
83 10.7 8.1 15.1





#21

2-Butanone

Concen: 4.422 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW015129.D

Acq: 25 Mar 2020 09:37

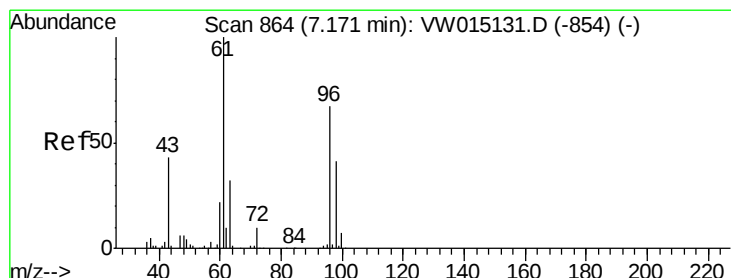
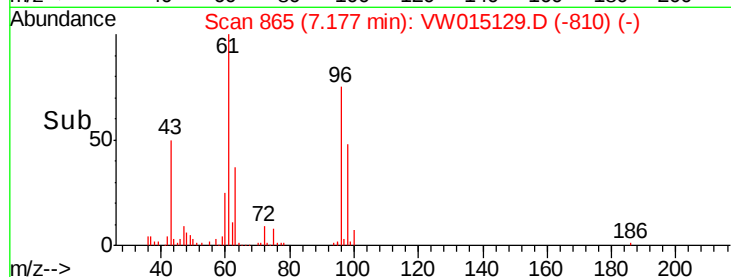
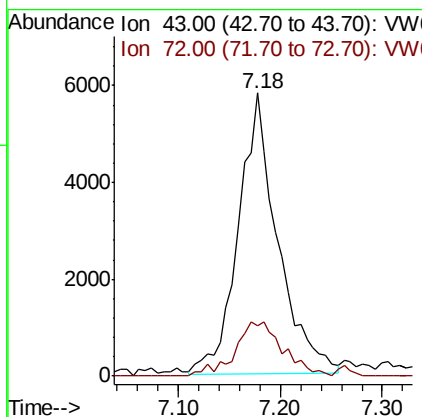
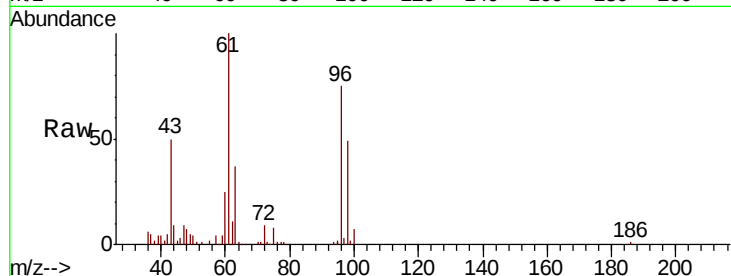
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 15568

Ion Ratio Lower Upper

43 100

72 21.1 11.7 35.0



#22

cis-1,2-Dichloroethene

Concen: 2.448 ug/L

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW015129.D

Acq: 25 Mar 2020 09:37

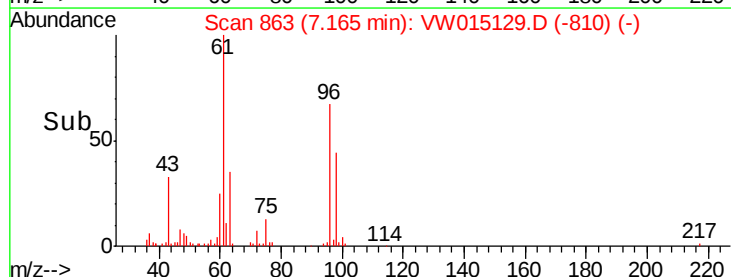
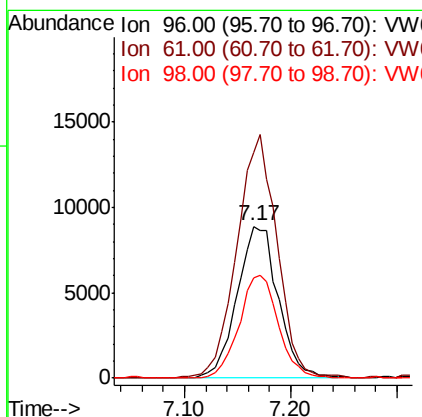
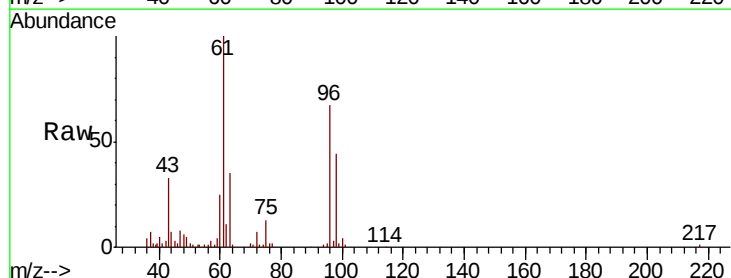
Tgt Ion: 96 Resp: 24009

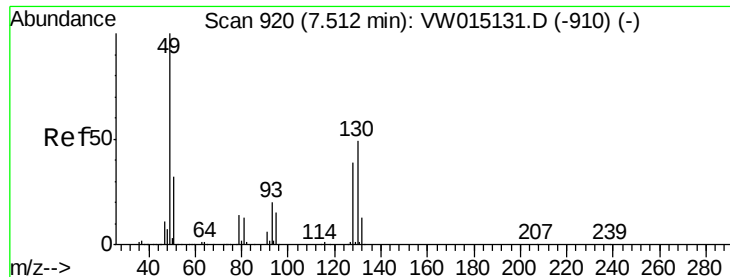
Ion Ratio Lower Upper

96 100

61 149.2 105.6 196.0

98 66.2 43.3 80.5





#23

Bromochloromethane

Concen: 2.858 ug/L

RT: 7.51 min Scan# 920

Delta R.T. 0.00 min

Lab File: VW015129.D

Acq: 25 Mar 2020 09:37

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 11026

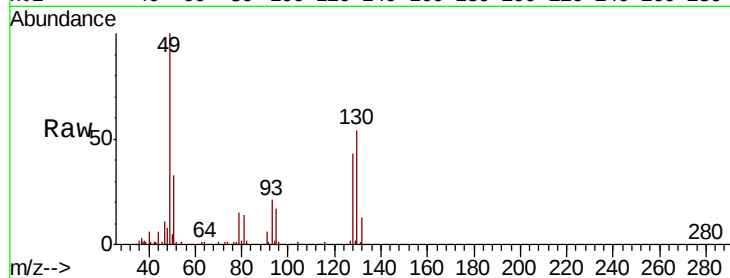
Ion Ratio Lower Upper

128 100

49 232.7 181.2 336.6

130 126.5 88.4 164.2

51 78.0 66.2 99.4

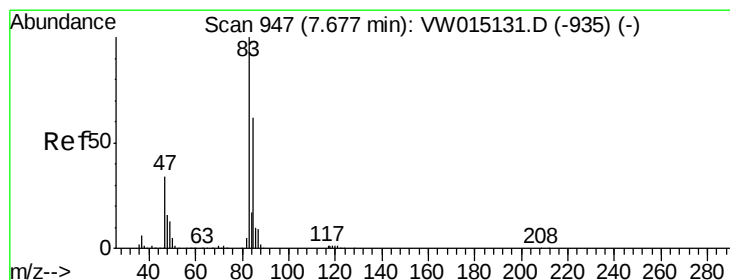
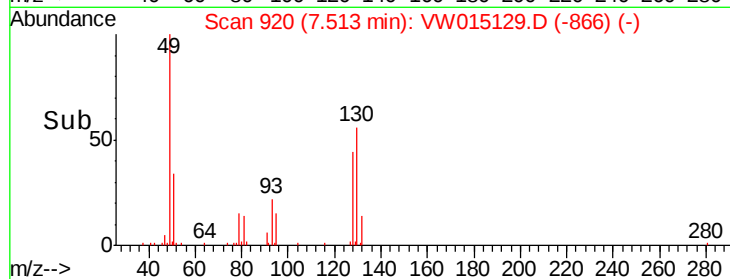
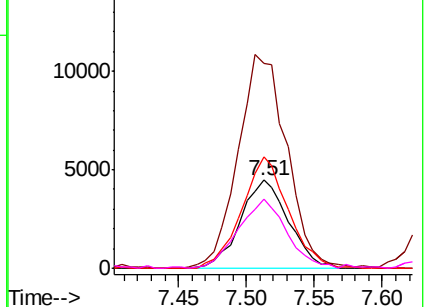


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VW

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VW



#25

Chloroform

Concen: 2.575 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW015129.D

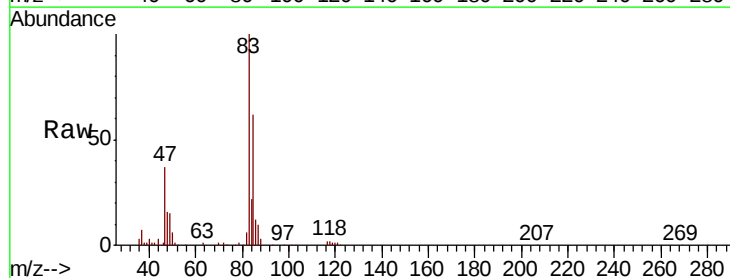
Acq: 25 Mar 2020 09:37

Tgt Ion: 83 Resp: 50398

Ion Ratio Lower Upper

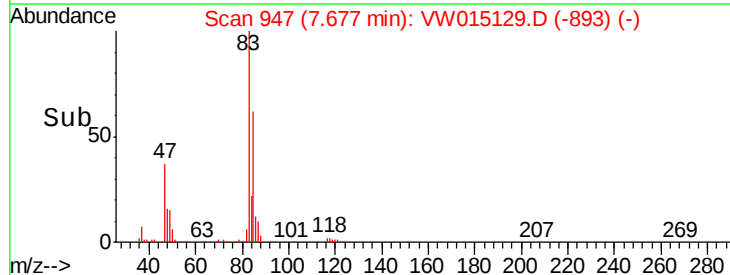
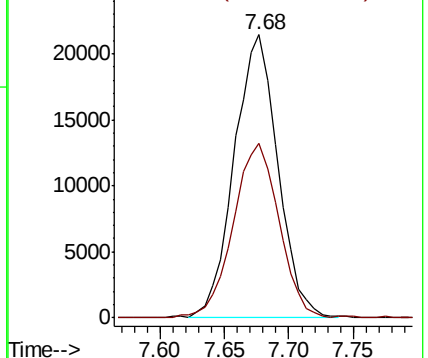
83 100

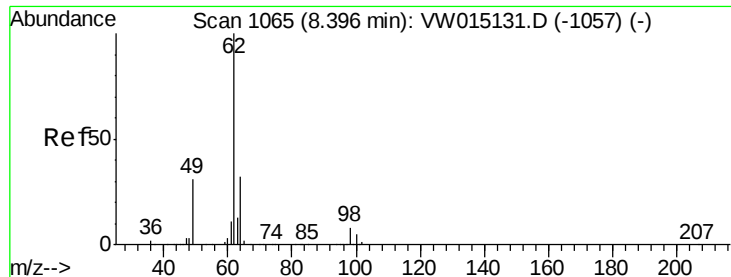
85 64.6 45.4 84.2



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

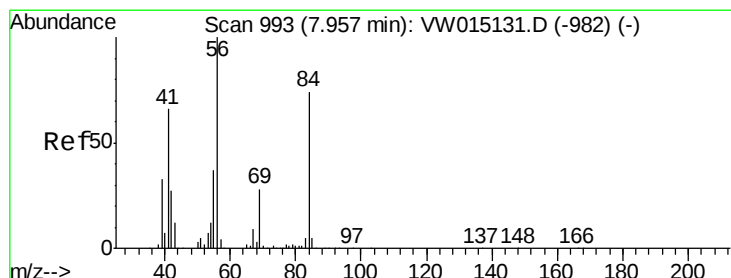
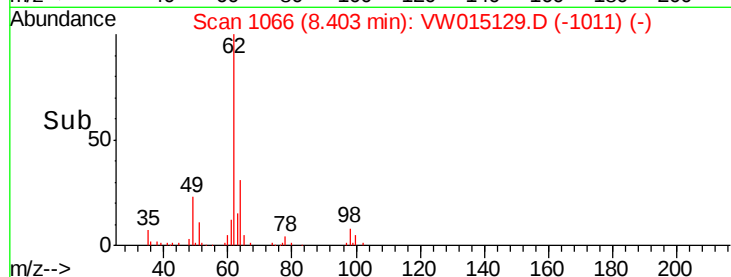
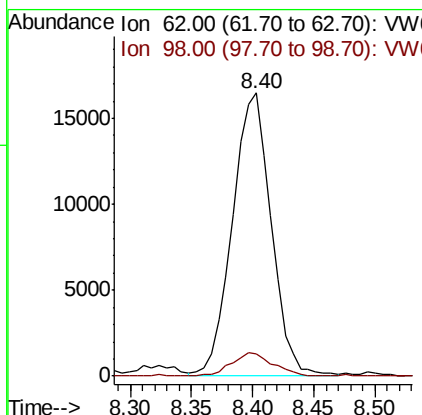
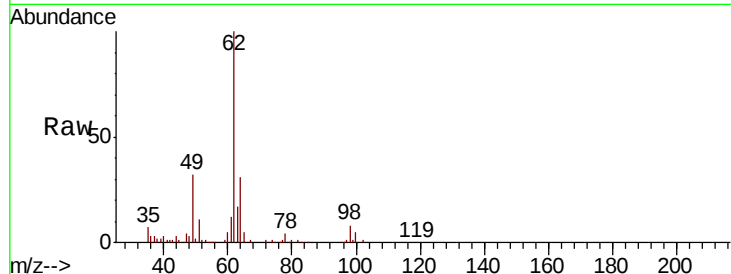




#27
 1,2-Dichloroethane
 Concen: 2.693 ug/L
 RT: 8.40 min Scan# 1066
 Delta R.T. 0.01 min
 Lab File: VW015129.D
 Acq: 25 Mar 2020 09:37

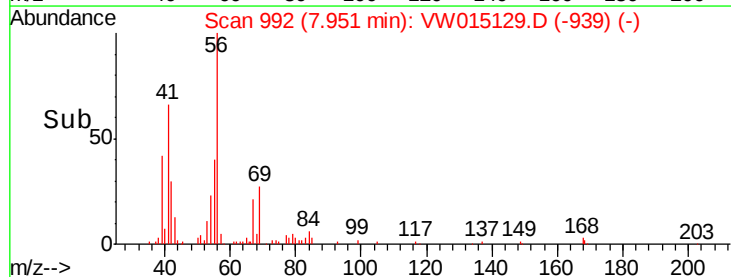
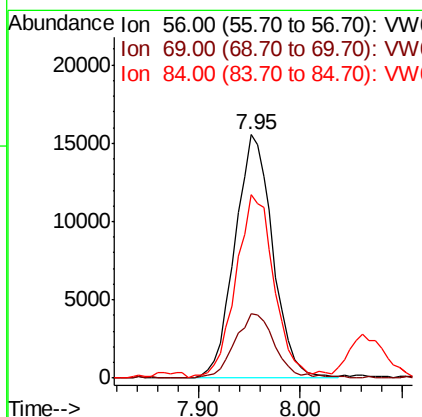
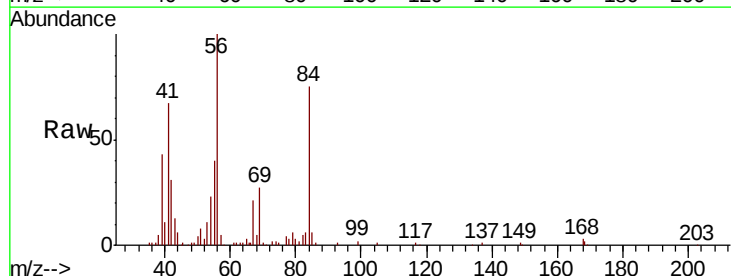
Instrument :
 MSVOA_W
 ClientSampleId :

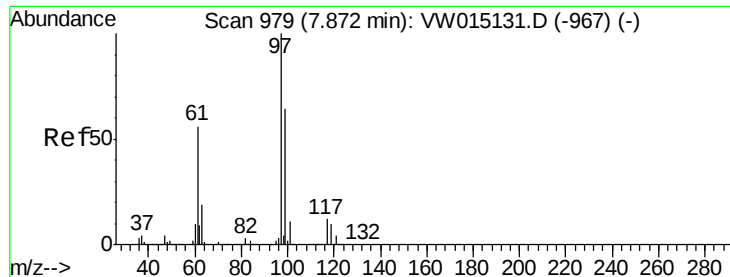
Tot Ion: 62 Resp: 36380
 Ion Ratio Lower Upper
 62 100
 98 7.9 6.2 9.4



#30
 Cyclohexane
 Concen: 2.153 ug/L
 RT: 7.95 min Scan# 992
 Delta R.T. -0.01 min
 Lab File: VW015129.D
 Acq: 25 Mar 2020 09:37

Tgt Ion: 56 Resp: 40114
 Ion Ratio Lower Upper
 56 100
 69 27.6 22.0 33.0
 84 75.9 58.9 88.3





#31

1,1,1-Trichloroethane

Concen: 2.703 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW015129.D

Acq: 25 Mar 2020 09:37

Instrument :

MSVOA_W

ClientSampleId :

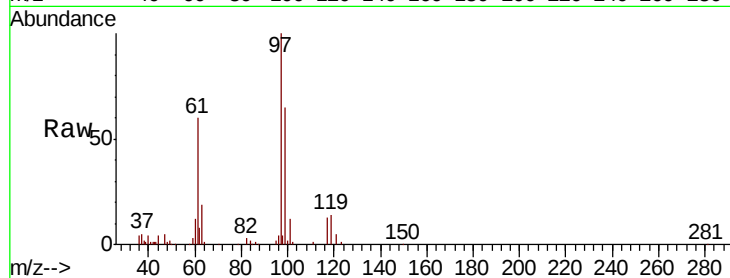
Tot Ion: 97 Resp: 39327

Ion Ratio Lower Upper

97 100

99 65.6 51.0 76.4

61 58.2 44.8 67.2

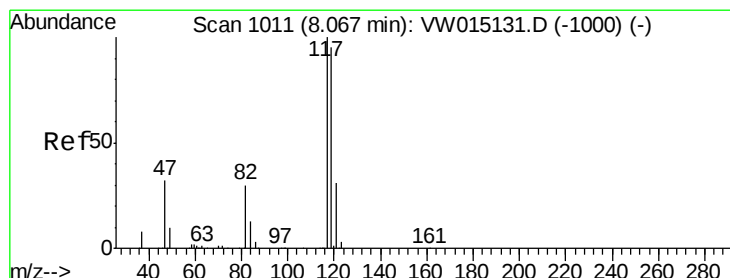
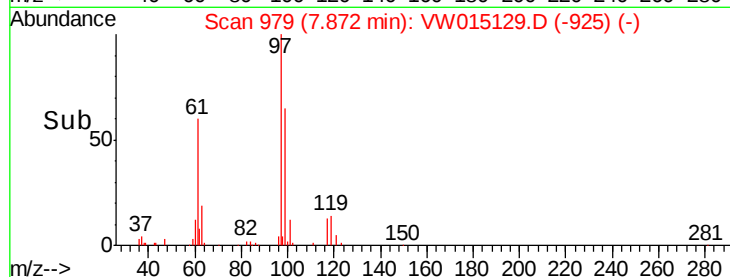
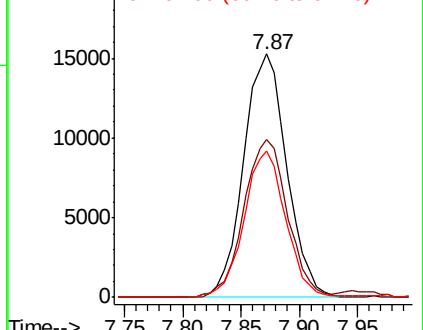


Abundance

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: 2.629 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW015129.D

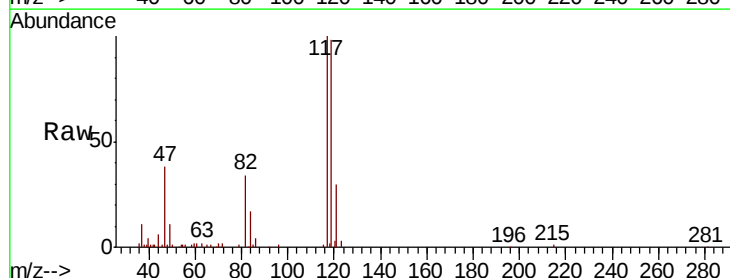
Acq: 25 Mar 2020 09:37

Tgt Ion: 117 Resp: 34110

Ion Ratio Lower Upper

117 100

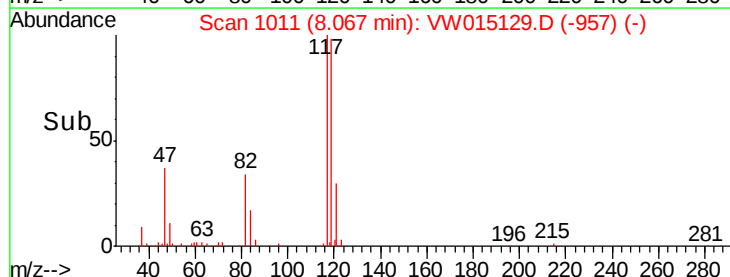
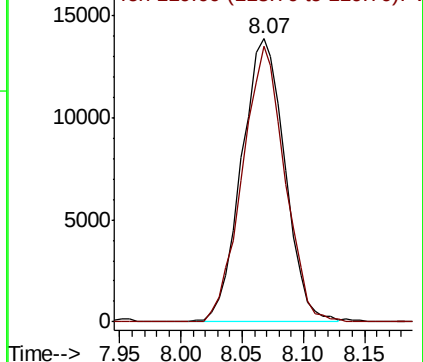
119 95.4 76.6 114.8

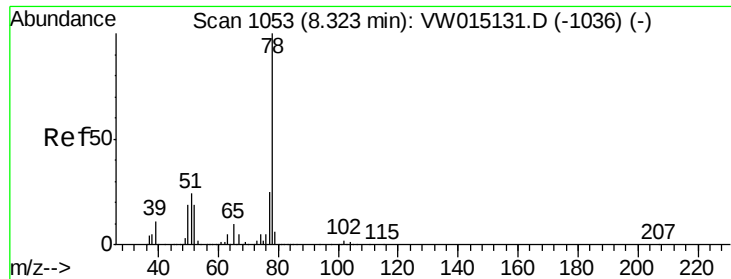


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V





#34

Benzene

Concen: 2.562 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW015129.D

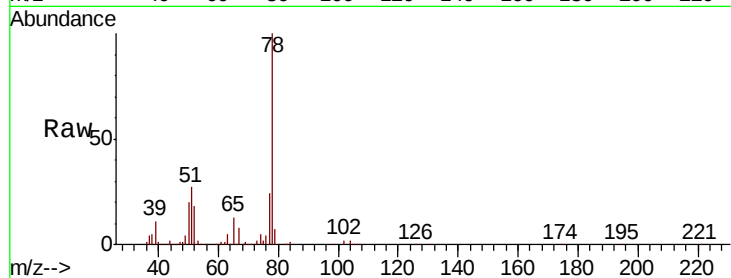
Acq: 25 Mar 2020 09:37

Instrument :

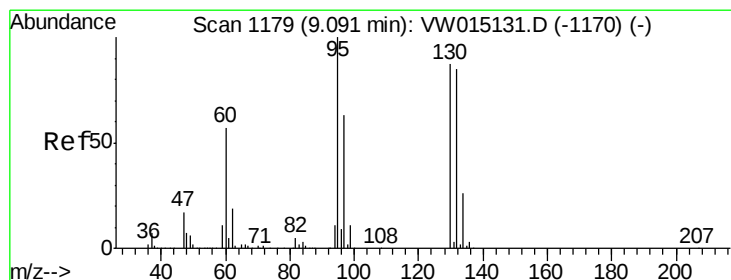
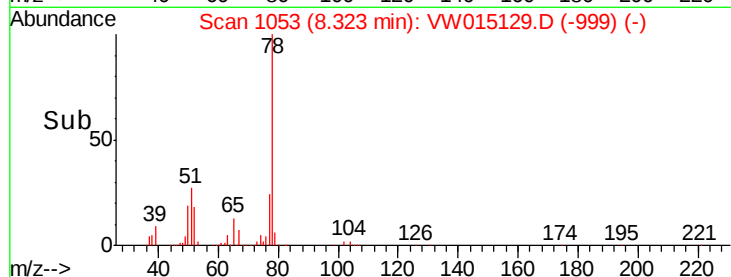
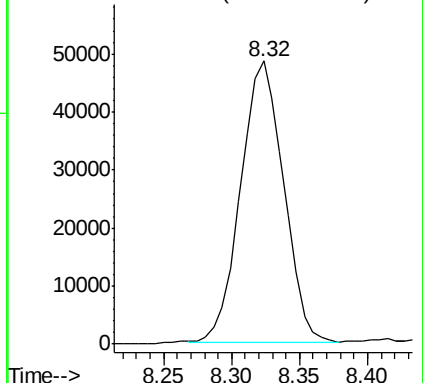
MSVOA_W

ClientSampleId :

Tgt Ion: 78 Resp: 106604



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 2.658 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW015129.D

Acq: 25 Mar 2020 09:37

Tgt Ion: 95 Resp: 26968

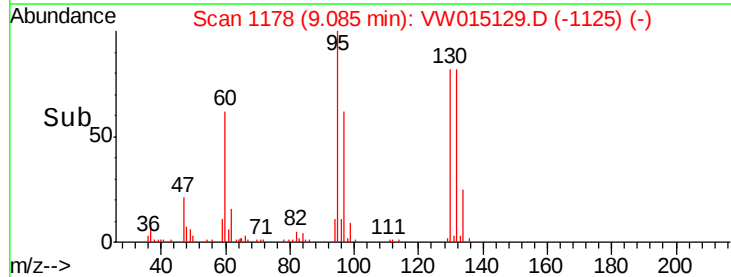
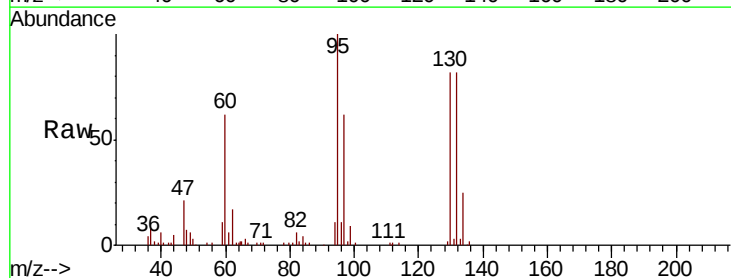
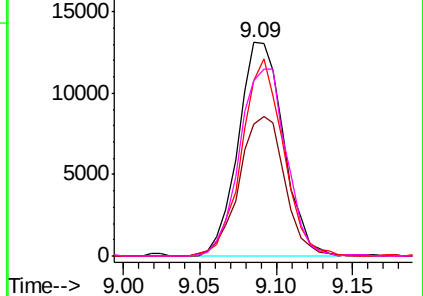
Ion	Ratio	Lower	Upper
95	100		
97	65.6	43.7	81.1
132	84.8	58.7	109.1
130	89.9	61.3	113.9

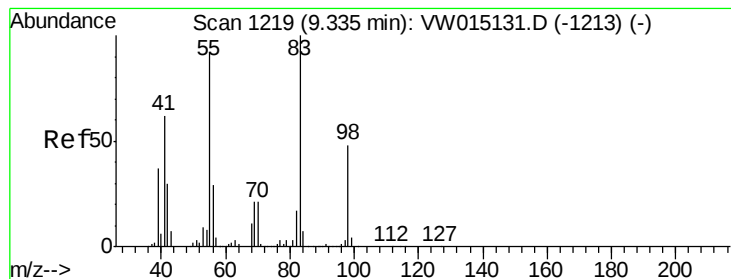
Abundance Ion 95.00 (94.70 to 95.70): VW

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: 2.324 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW015129.D

Acq: 25 Mar 2020 09:37

Instrument :
MSVOA_W
ClientSampled :

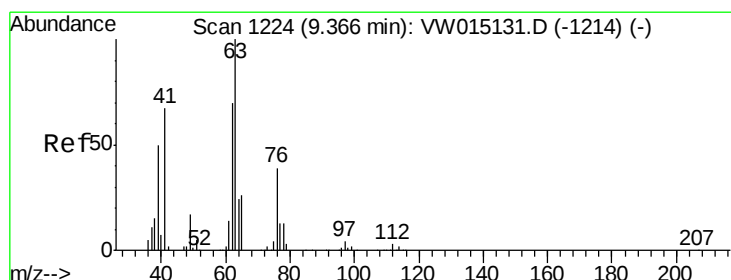
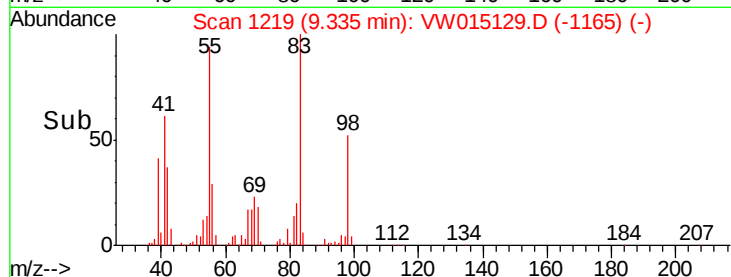
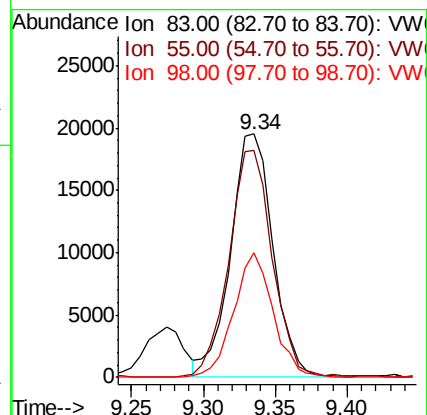
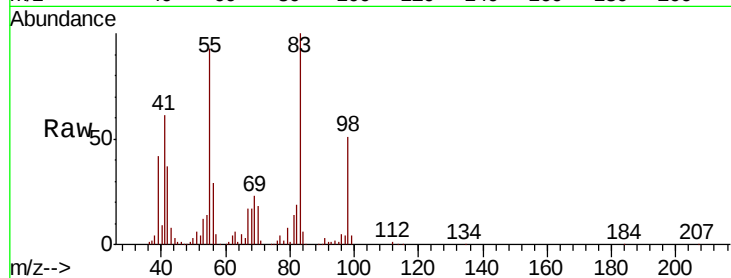
Tot Ion: 83 Resp: 40175

Ion Ratio Lower Upper

83 100

55 95.8 73.4 110.2

98 47.6 36.6 55.0



#40

1,2-Dichloropropane

Concen: 2.660 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW015129.D

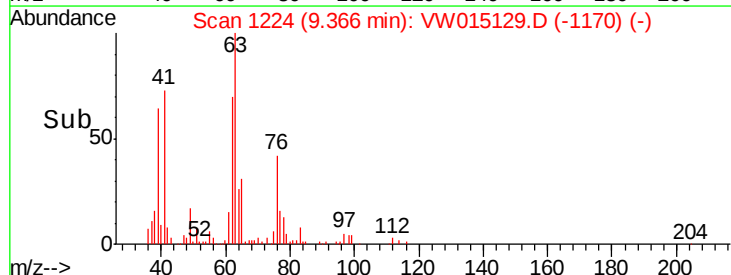
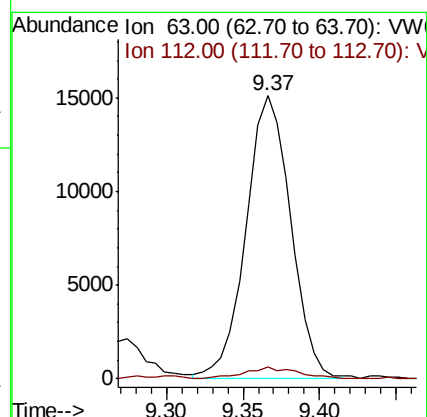
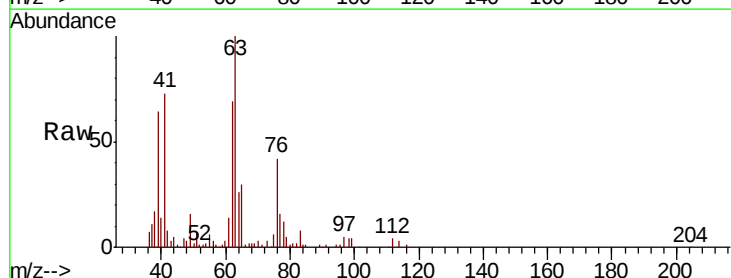
Acq: 25 Mar 2020 09:37

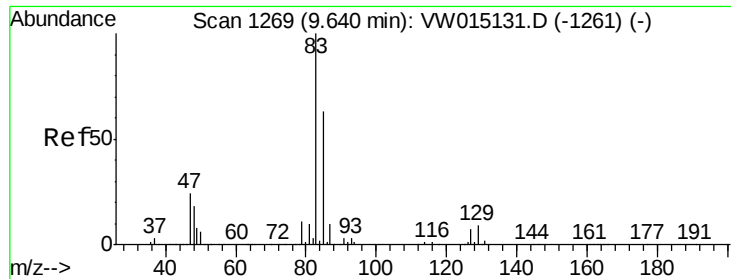
Tgt Ion: 63 Resp: 30734

Ion Ratio Lower Upper

63 100

112 3.1 2.9 4.3





#41

Bromodichloromethane

Concen: 2.678 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW015129.D

Acq: 25 Mar 2020 09:37

Instrument :

MSVOA_W

ClientSampleId :

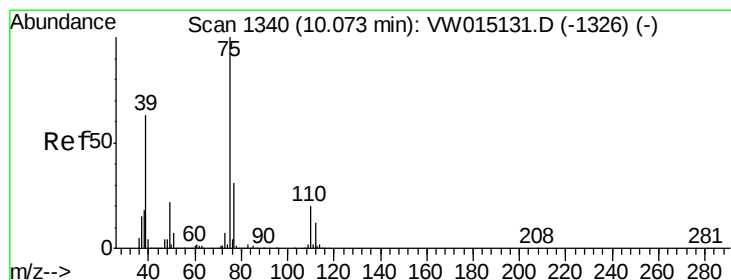
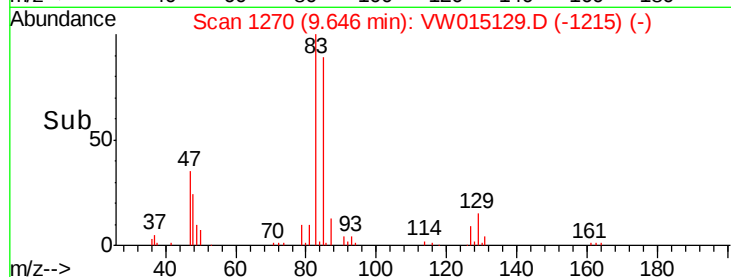
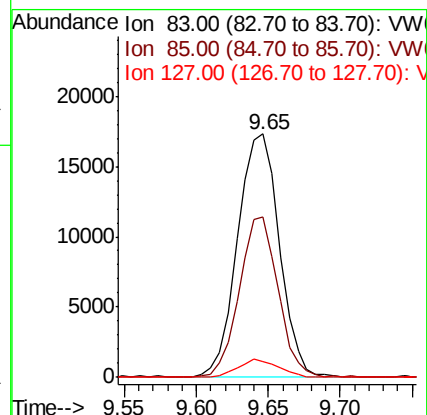
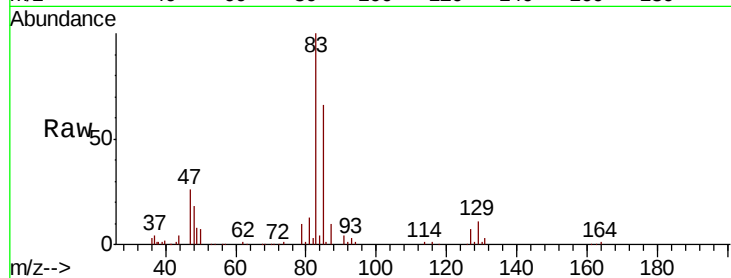
Tot Ion: 83 Resp: 34911

Ion Ratio Lower Upper

83 100

85 66.1 44.1 81.9

127 6.7 5.5 8.3



#42

cis-1,3-Dichloropropene

Concen: 2.333 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW015129.D

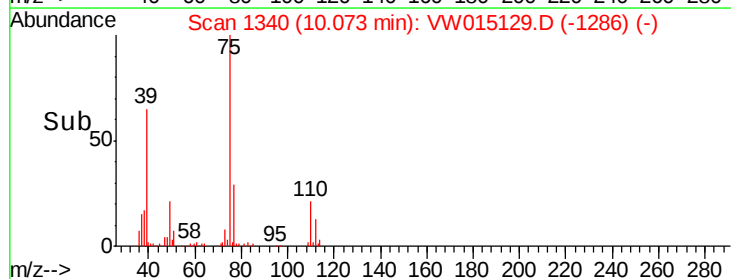
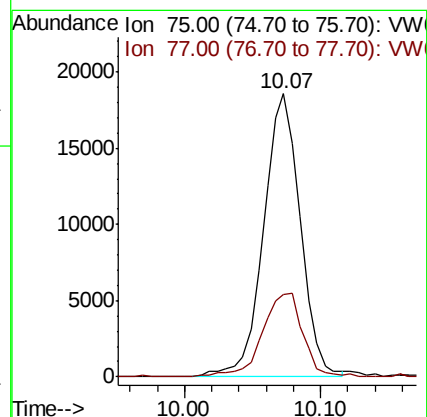
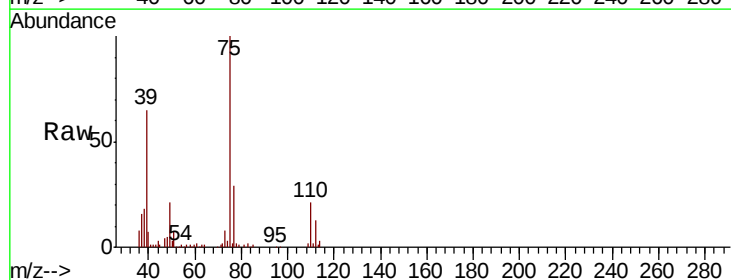
Acq: 25 Mar 2020 09:37

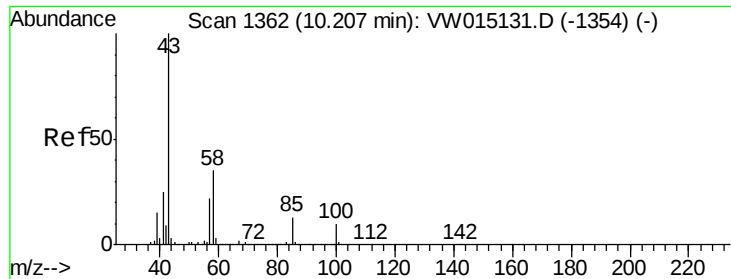
Tgt Ion: 75 Resp: 35095

Ion Ratio Lower Upper

75 100

77 29.1 21.4 39.8





#43

4-Methyl-2-pentanone

Concen: 4.394 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW015129.D

Acq: 25 Mar 2020 09:37

Instrument :

MSVOA_W

ClientSampleId :

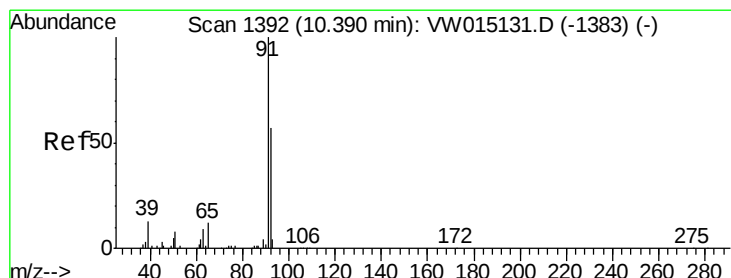
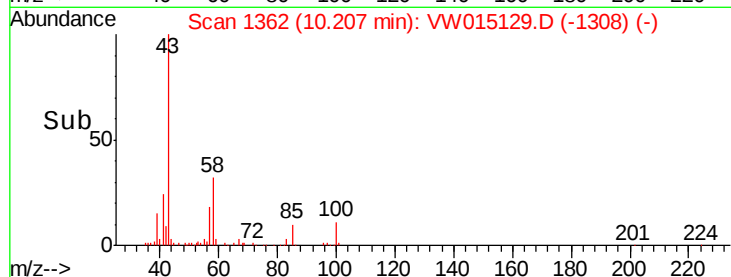
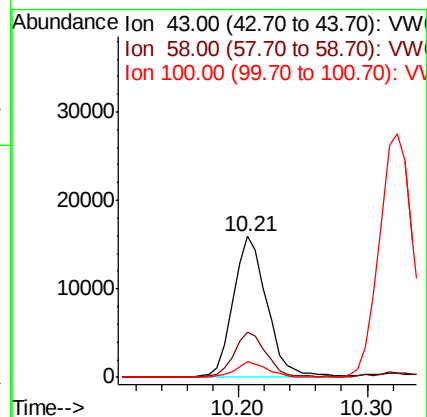
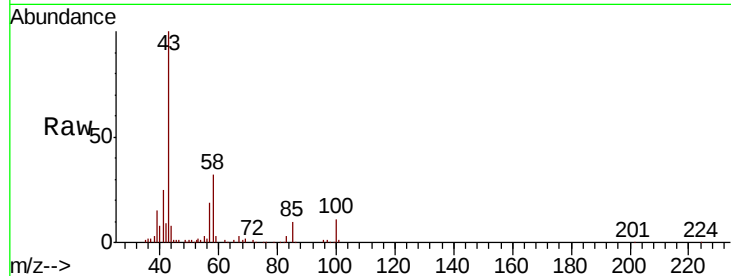
Tot Ion: 43 Resp: 28512

Ion Ratio Lower Upper

43 100

58 31.5 27.9 41.9

100 10.4 8.9 13.3



#44

Toluene

Concen: 2.415 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW015129.D

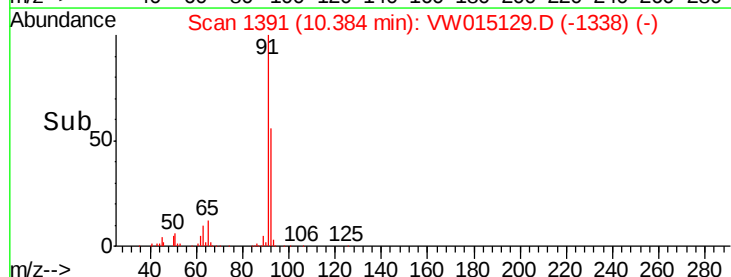
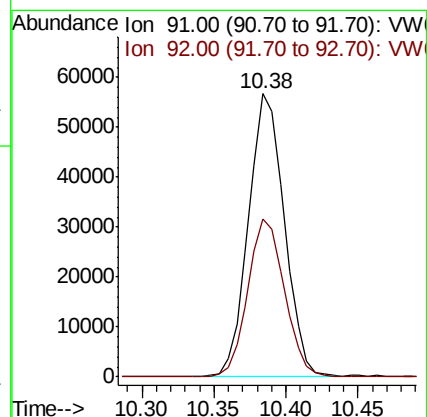
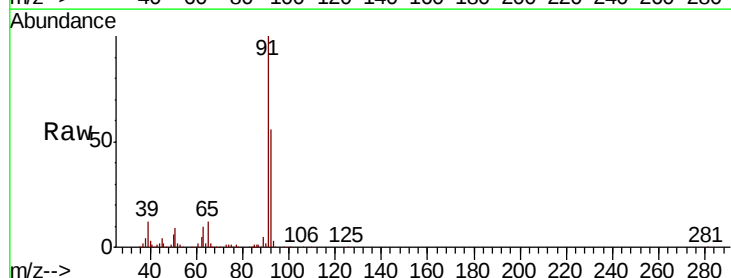
Acq: 25 Mar 2020 09:37

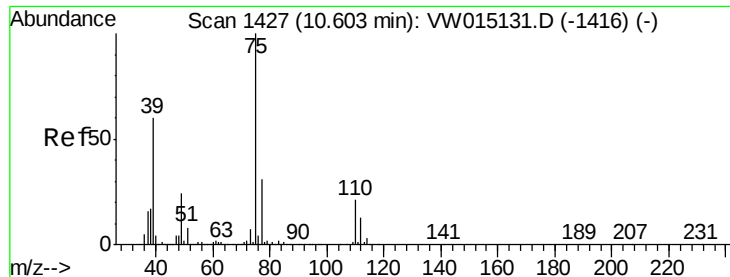
Tgt Ion: 91 Resp: 97843

Ion Ratio Lower Upper

91 100

92 55.6 40.2 74.6





#45

trans-1,3-Dichloropropene

Concen: 2.526 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW015129.D

Acq: 25 Mar 2020 09:37

Instrument :

MSVOA_W

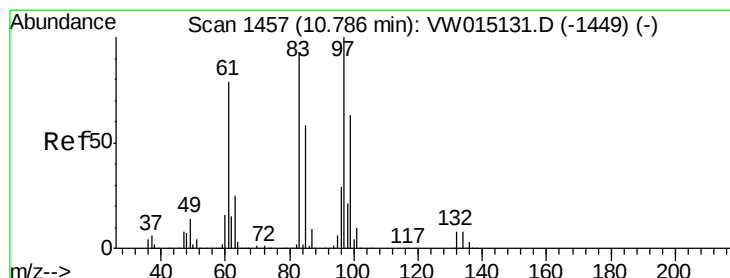
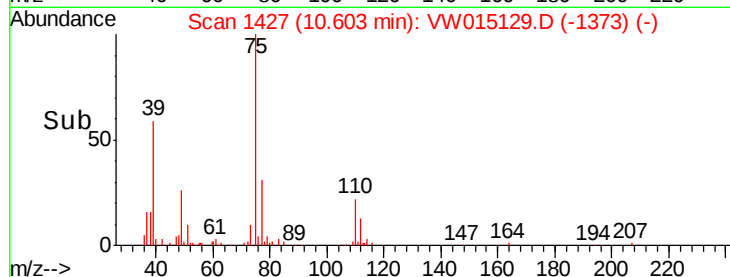
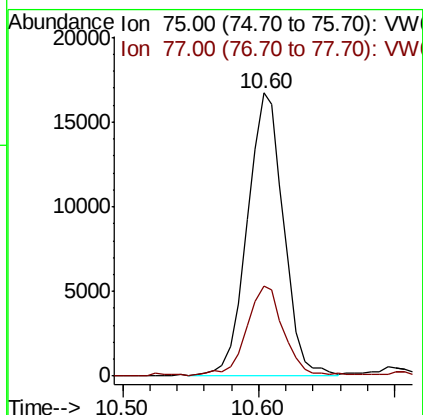
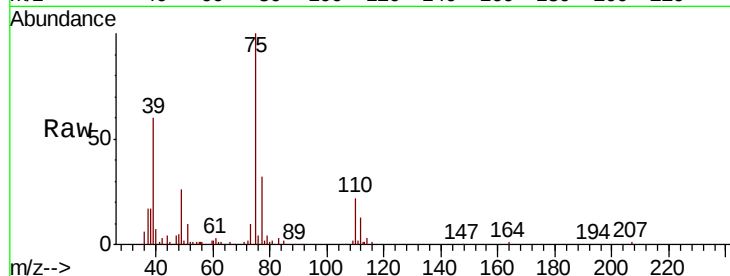
ClientSampleId :

Tot Ion: 75 Resp: 31288

Ion Ratio Lower Upper

75 100

77 31.7 21.8 40.4



#46

1,1,2-Trichloroethane

Concen: 2.785 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW015129.D

Acq: 25 Mar 2020 09:37

Tgt Ion: 97 Resp: 18339

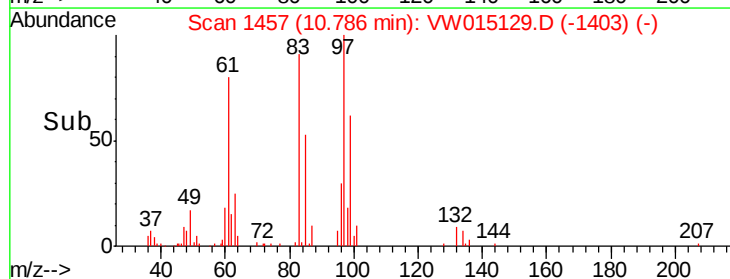
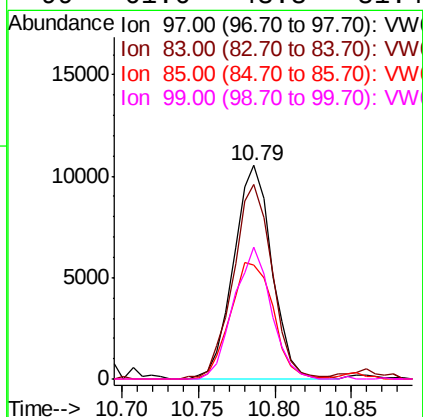
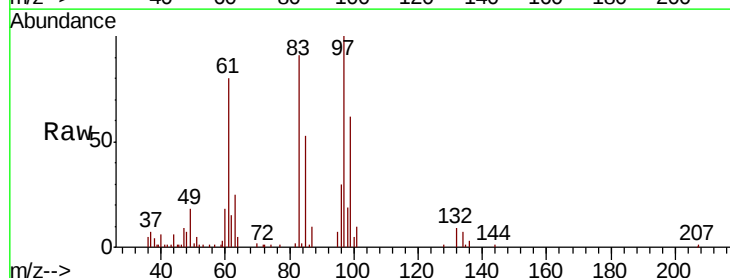
Ion Ratio Lower Upper

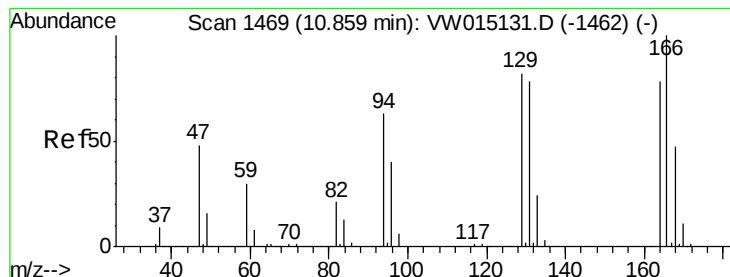
97 100

83 91.2 64.8 120.4

85 53.3 40.9 75.9

99 61.6 43.8 81.4





#47

Tetrachloroethene

Concen: 2.714 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW015129.D

Acq: 25 Mar 2020 09:37

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:164 Resp: 17693

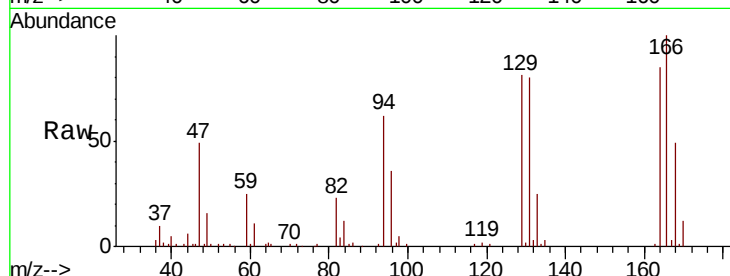
Ion Ratio Lower Upper

164 100

129 95.7 73.2 136.0

131 94.5 69.4 128.8

166 118.3 89.5 166.3

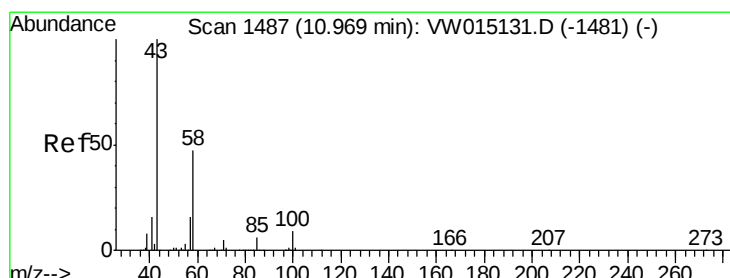
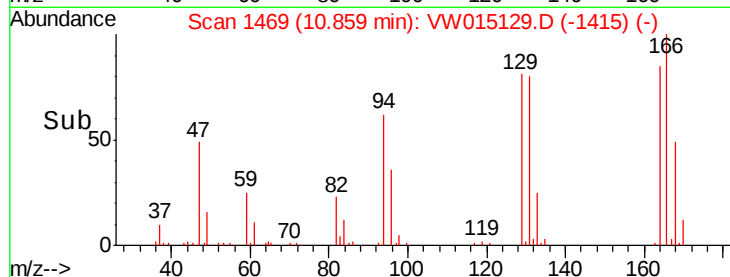
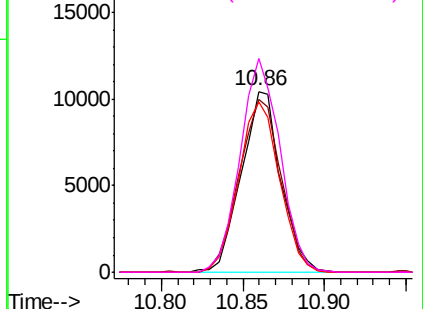


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#49

2-Hexanone

Concen: 3.464 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW015129.D

Acq: 25 Mar 2020 09:37

Tgt Ion: 43 Resp: 16054

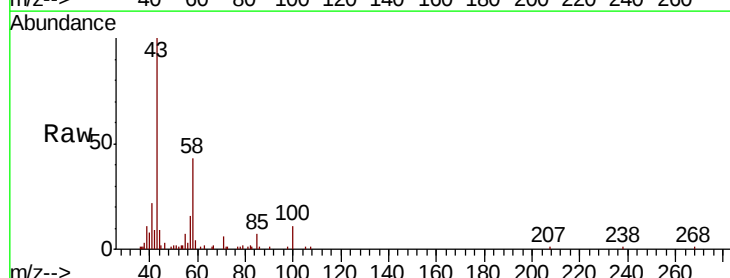
Ion Ratio Lower Upper

43 100

58 51.6 38.5 57.7

57 16.6 12.9 19.3

100 9.7 6.9 10.3

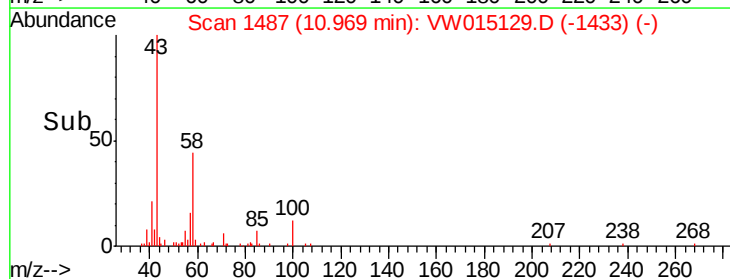
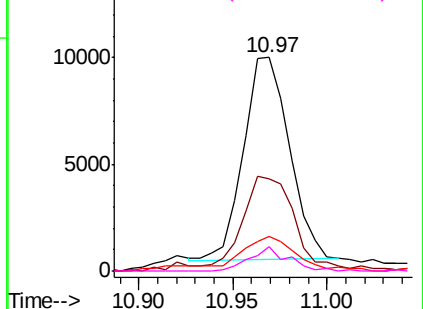


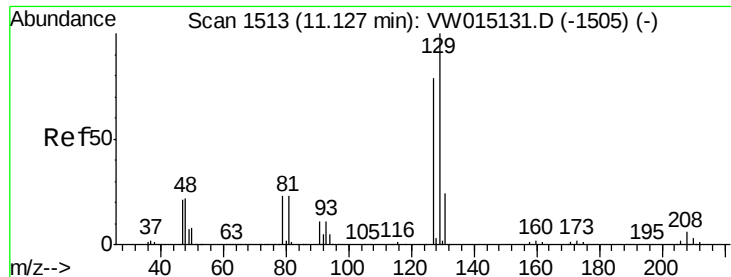
Abundance Ion 43.00 (42.70 to 43.70): VW

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: 2.503 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW015129.D

Acq: 25 Mar 2020 09:37

Instrument :

MSVOA_W

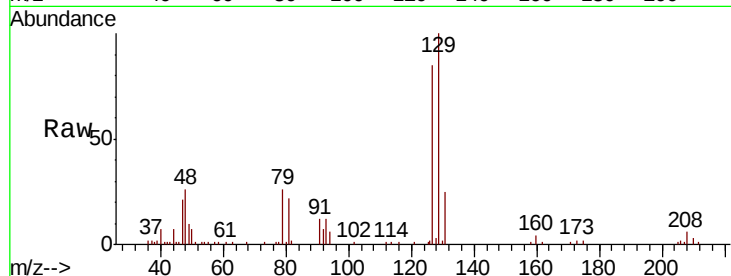
ClientSampleId :

Tot Ion:129 Resp: 17421

Ion Ratio Lower Upper

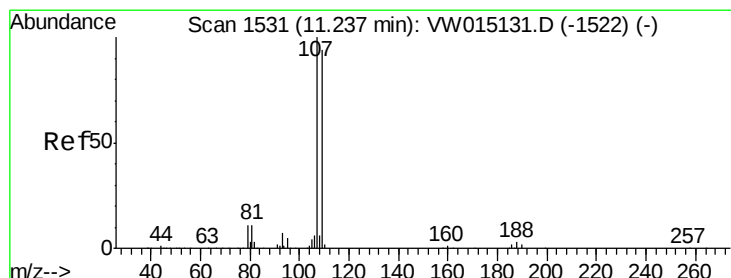
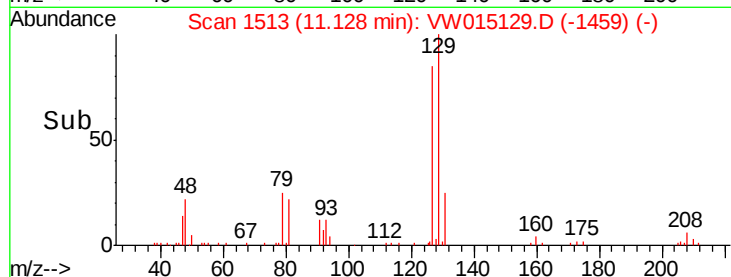
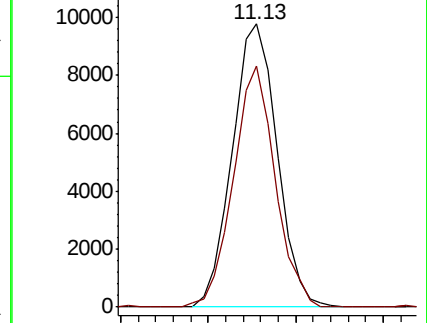
129 100

127 85.3 55.1 102.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#51

1,2-Dibromoethane

Concen: 2.733 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW015129.D

Acq: 25 Mar 2020 09:37

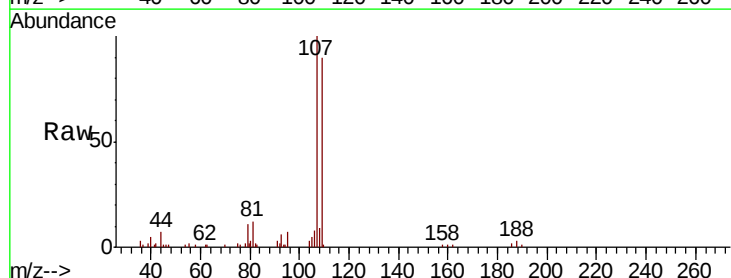
Tgt Ion:107 Resp: 15703

Ion Ratio Lower Upper

107 100

109 89.9 65.9 122.5

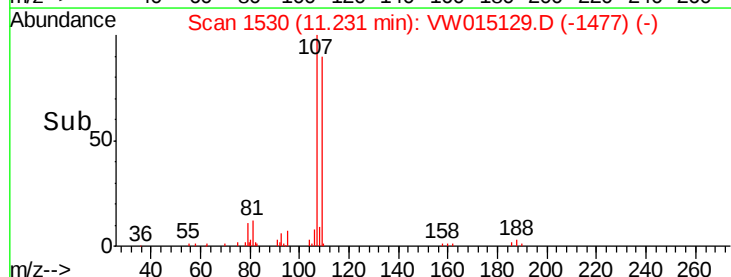
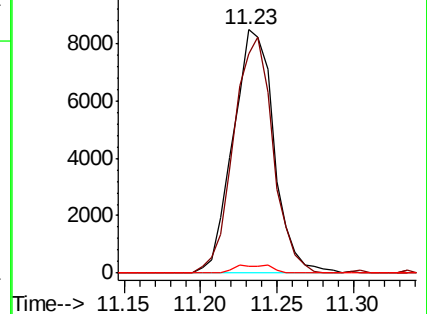
188 2.7 2.3 3.5

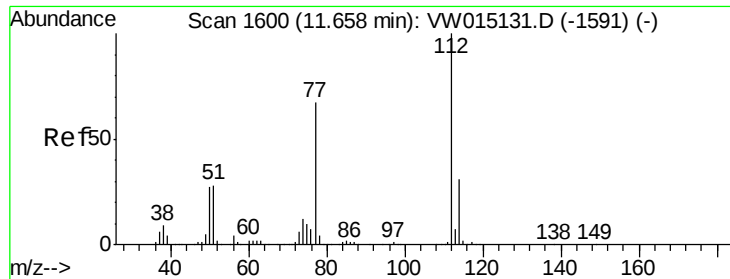


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V





#52

Chlorobenzene

Concen: 2.692 ug/L

RT: 11.65 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VW015129.D

Acq: 25 Mar 2020 09:37

Instrument :

MSVOA_W

ClientSampleId :

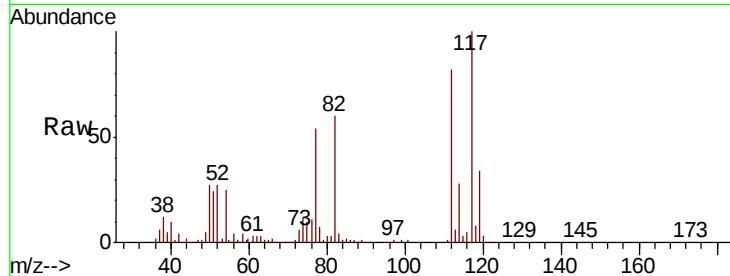
Tot Ion:112 Resp: 64300

Ion Ratio Lower Upper

112 100

77 65.8 53.5 80.3

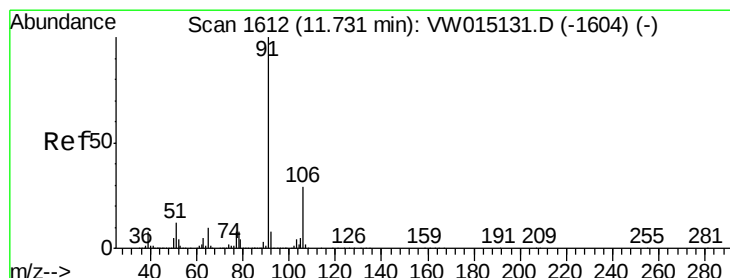
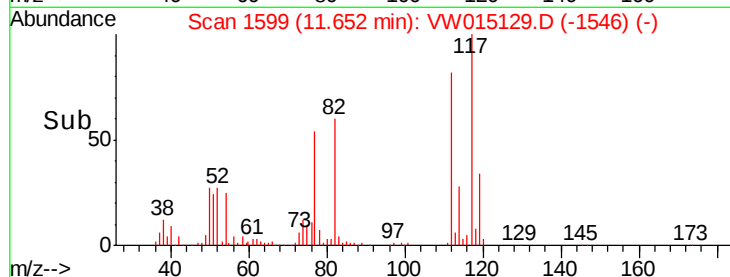
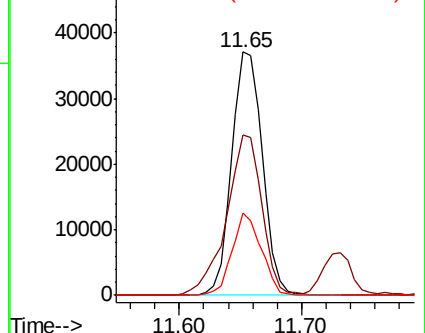
114 33.7 22.0 40.8



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VW

Ion 114.00 (113.70 to 114.70): V



#53

Ethylbenzene

Concen: 2.310 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW015129.D

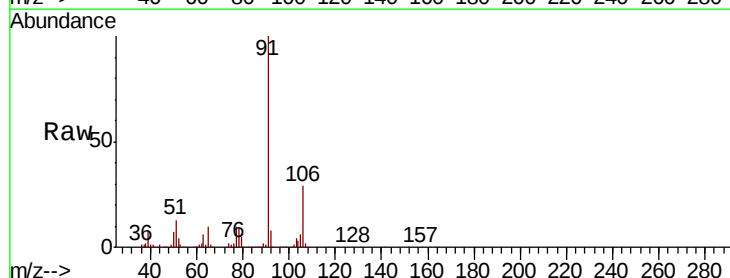
Acq: 25 Mar 2020 09:37

Tgt Ion: 91 Resp: 102468

Ion Ratio Lower Upper

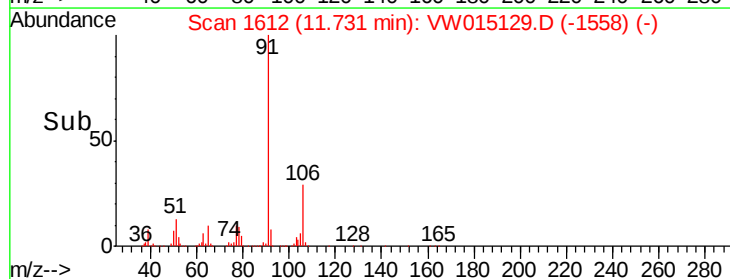
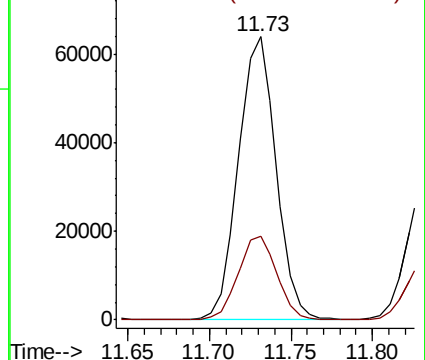
91 100

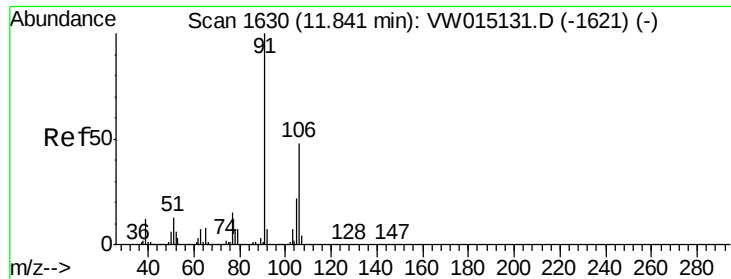
106 29.5 20.6 38.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V





#54

m,p-Xylene

Concen: 2.214 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW015129.D

Acq: 25 Mar 2020 09:37

Instrument :

MSVOA_W

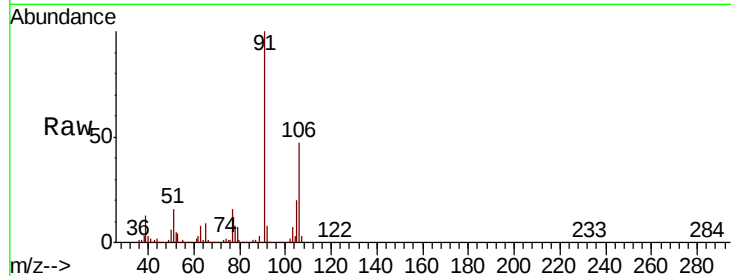
ClientSampled :

Tot Ion:106 Resp: 34314

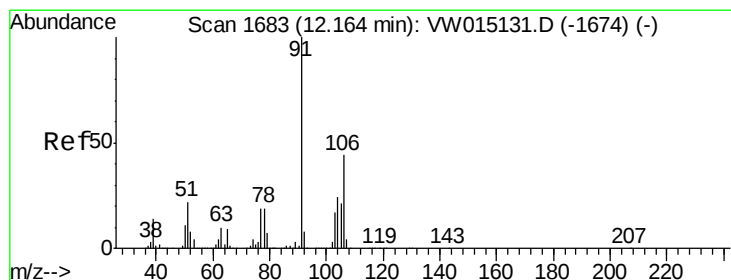
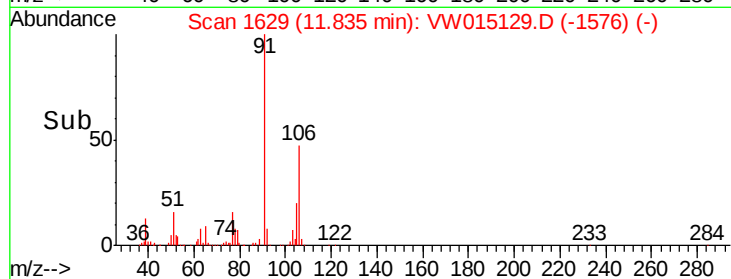
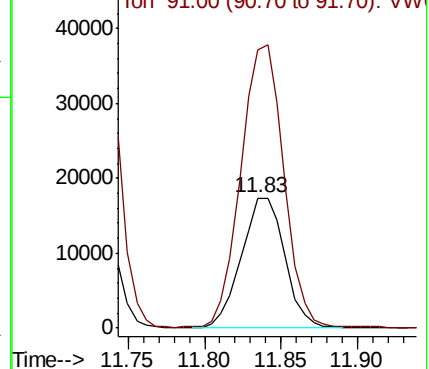
Ion Ratio Lower Upper

106 100

91 213.7 147.3 273.6



Abundance Ion 106.00 (105.70 to 106.70): V



#55

o-xylene

Concen: 2.156 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW015129.D

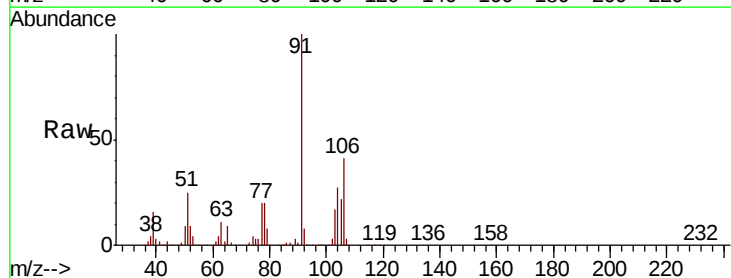
Acq: 25 Mar 2020 09:37

Tgt Ion:106 Resp: 31237

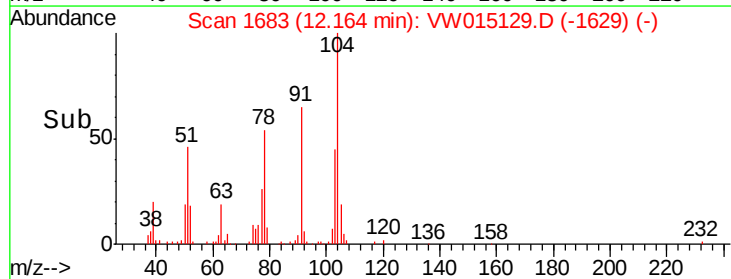
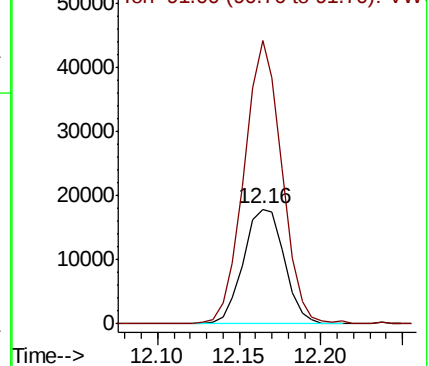
Ion Ratio Lower Upper

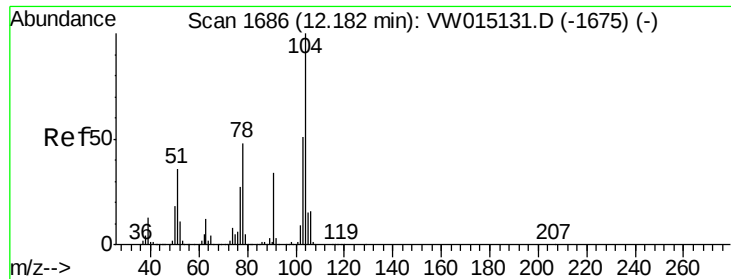
106 100

91 246.6 158.6 294.6



Abundance Ion 106.00 (105.70 to 106.70): V





#56

Stvrene

Concen: 2.086 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VW015129.D

Acq: 25 Mar 2020 09:37

Instrument :

MSVOA_W

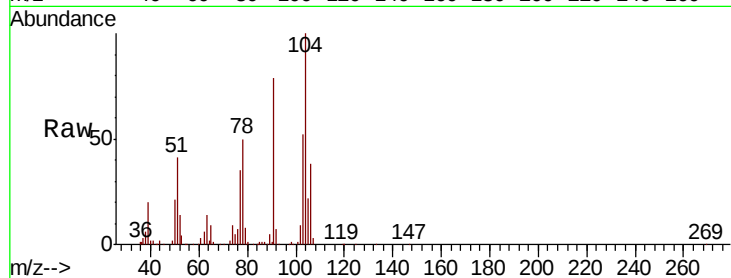
ClientSampled :

Tot Ion:104 Resp: 51619

Ion Ratio Lower Upper

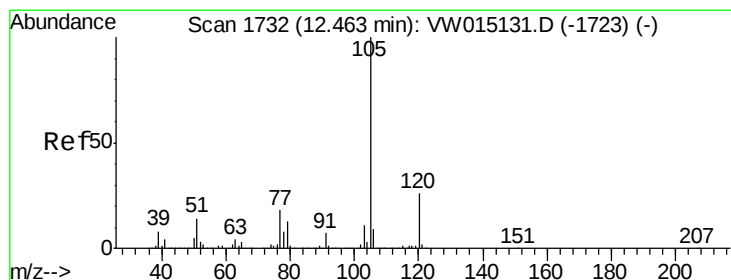
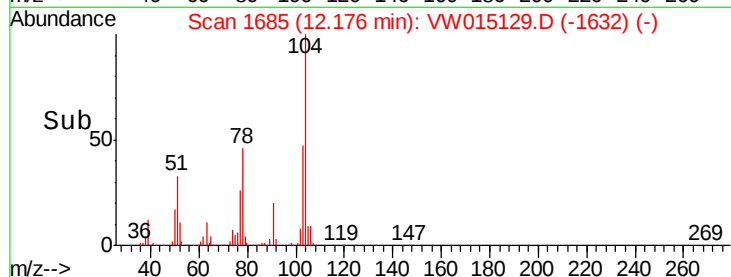
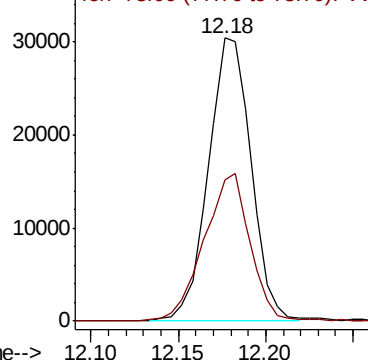
104 100

78 49.8 33.9 63.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW



#57

Isopropylbenzene

Concen: 2.137 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015129.D

Acq: 25 Mar 2020 09:37

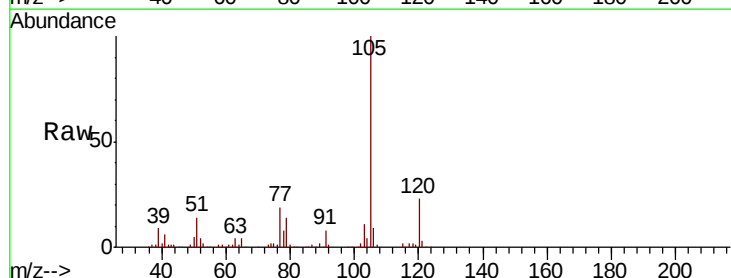
Tgt Ion:105 Resp: 84391

Ion Ratio Lower Upper

105 100

120 25.4 20.0 30.0

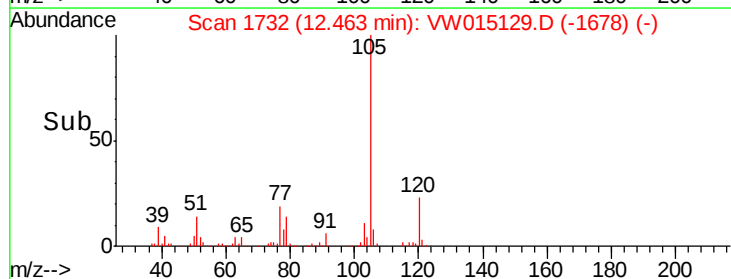
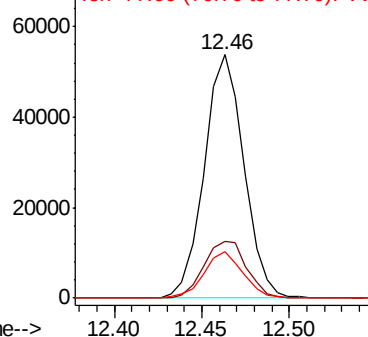
77 19.0 14.5 21.7

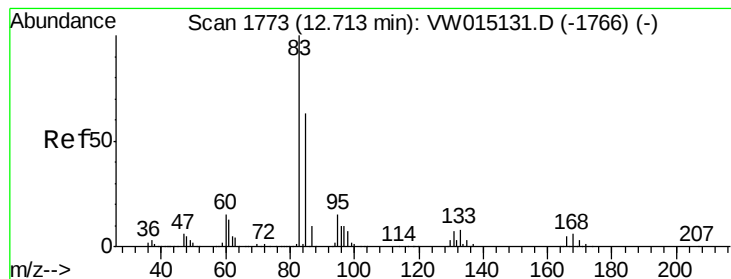


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VW





#58

1,1,2,2-Tetrachloroethane

Concen: 2.620 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015129.D

Acq: 25 Mar 2020 09:37

Instrument :

MSVOA_W

ClientSampleId :

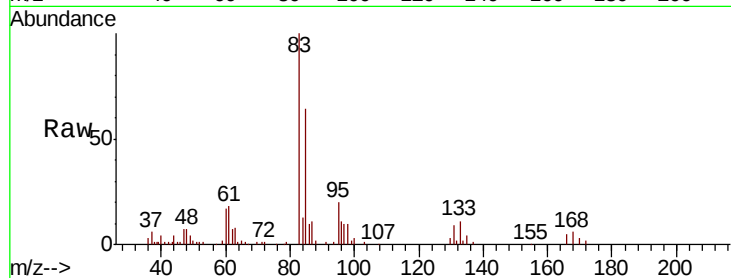
Tot Ion: 83 Resp: 21793

Ion Ratio Lower Upper

83 100

85 64.2 44.1 81.9

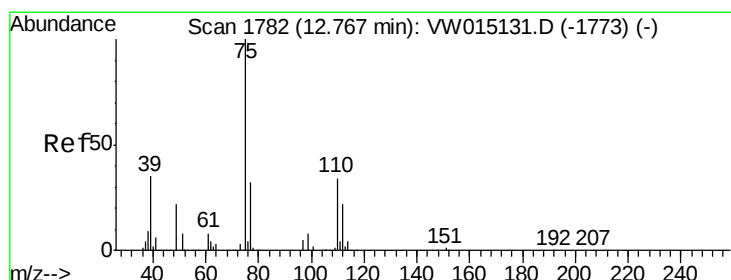
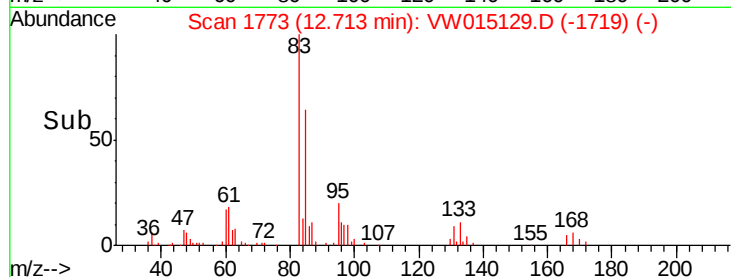
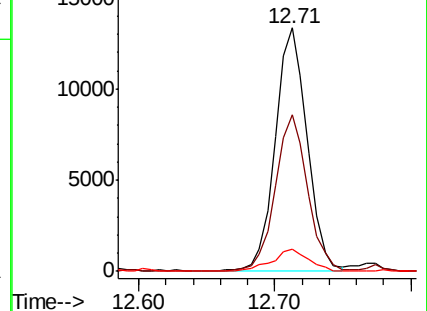
131 9.0 5.9 8.9#



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): VW



#59

1,2,3-Trichloropropane

Concen: 2.550 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW015129.D

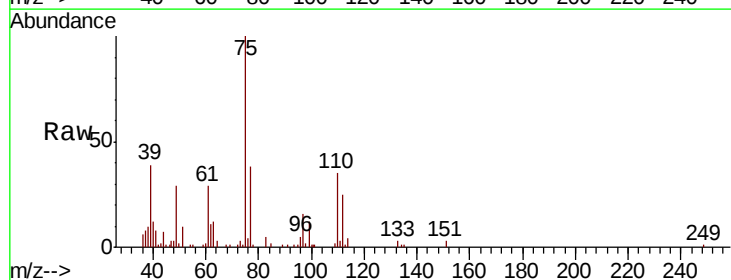
Acq: 25 Mar 2020 09:37

Tgt Ion: 75 Resp: 16266

Ion Ratio Lower Upper

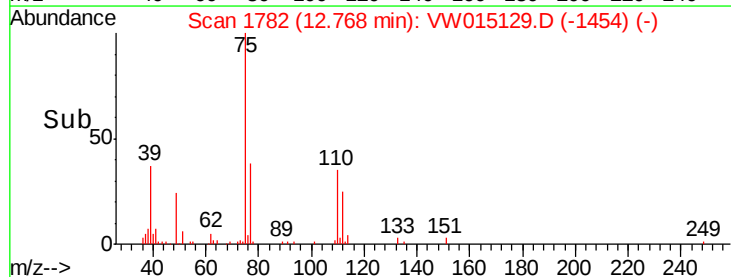
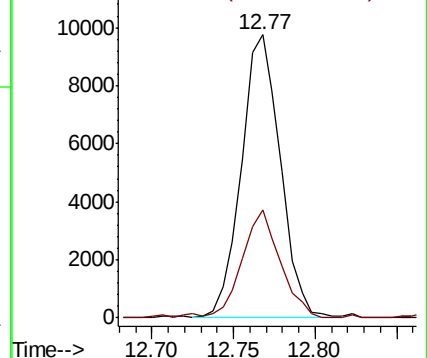
75 100

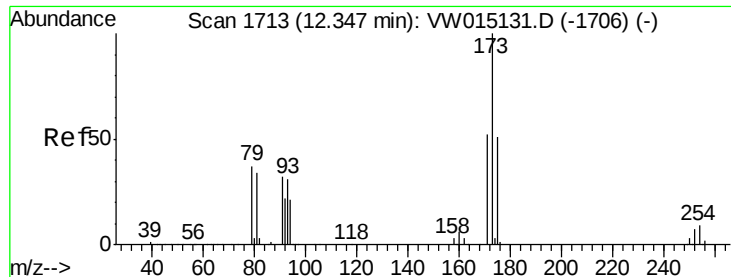
77 37.1 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#62

Bromoform

Concen: 2.707 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW015129.D

Acq: 25 Mar 2020 09:37

Instrument :

MSVOA_W

ClientSampleId :

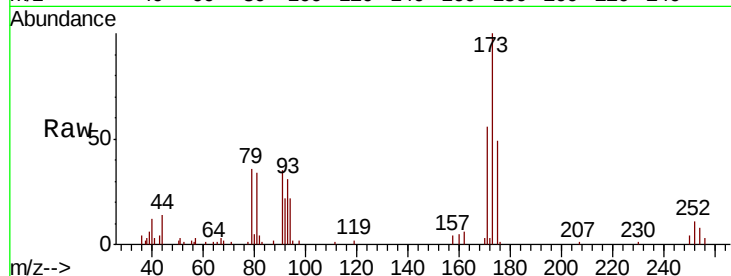
Tot Ion:173 Resp: 8673

Ion Ratio Lower Upper

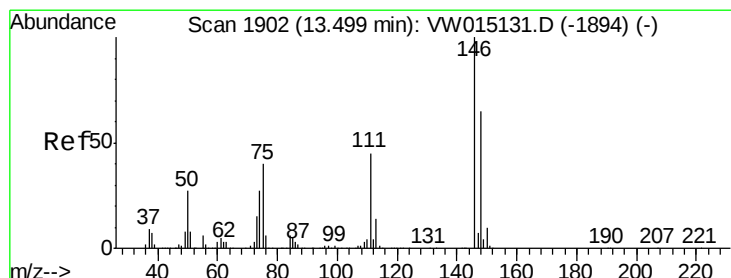
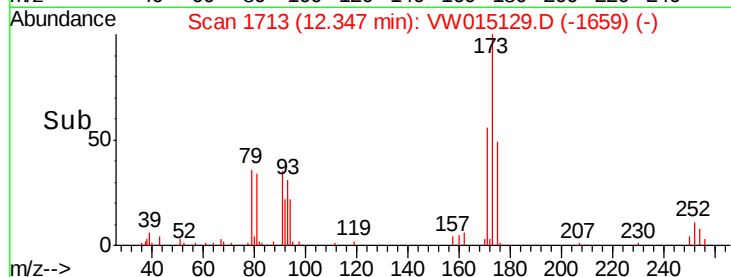
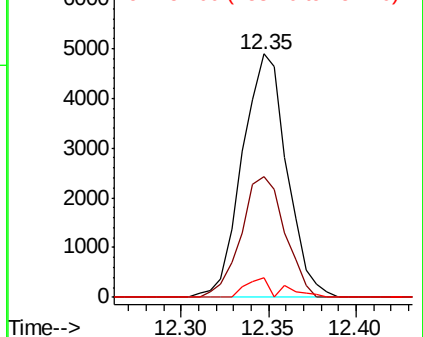
173 100

175 48.6 38.0 57.0

254 3.8 6.5 9.7#



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#63

1,3-Dichlorobenzene

Concen: 2.581 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW015129.D

Acq: 25 Mar 2020 09:37

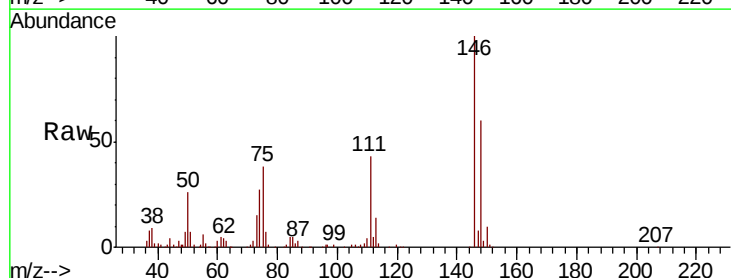
Tgt Ion:146 Resp: 37961

Ion Ratio Lower Upper

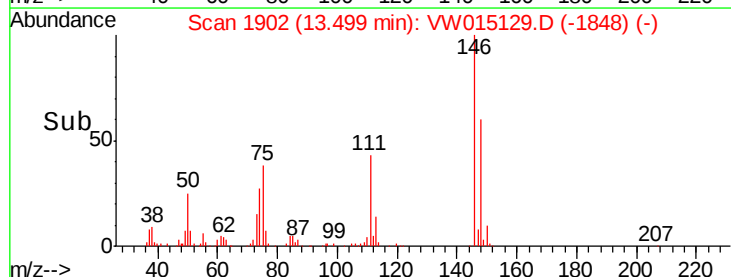
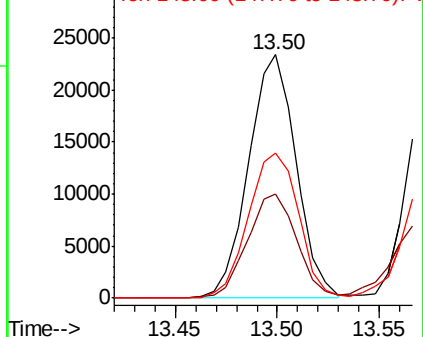
146 100

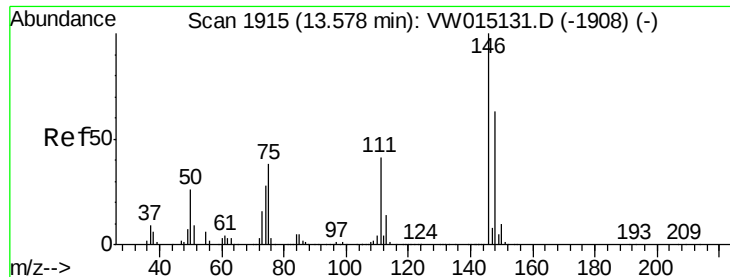
111 42.7 31.9 59.2

148 59.8 45.2 84.0



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: 2.664 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW015129.D

Acq: 25 Mar 2020 09:37

Instrument :

MSVOA_W

ClientSampleId :

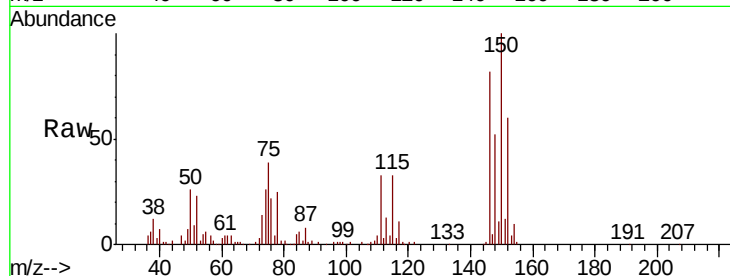
Tot Ion:146 Resp: 40461

Ion Ratio Lower Upper

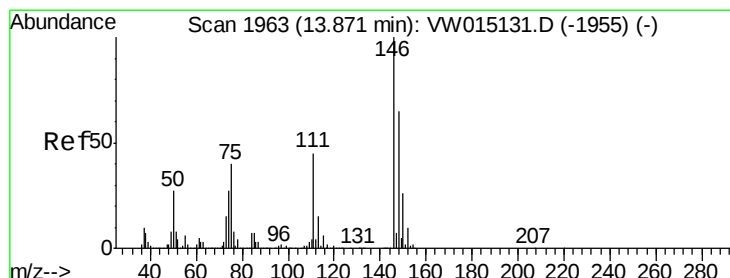
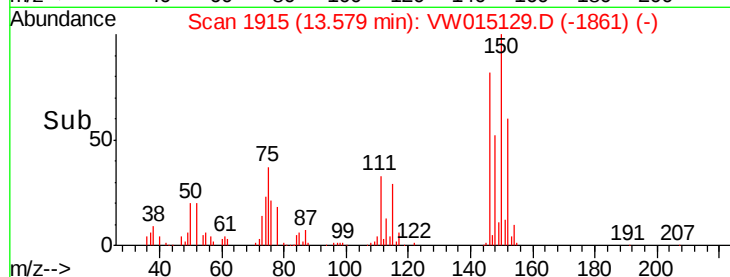
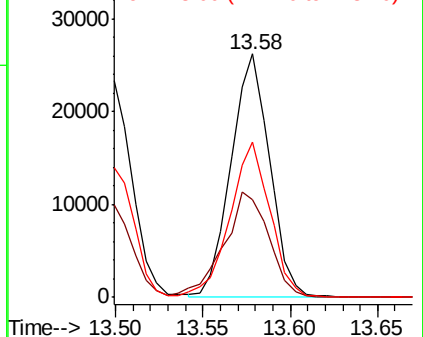
146 100

111 40.3 28.8 53.4

148 63.6 44.0 81.6



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#65

1,2-Dichlorobenzene

Concen: 2.638 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW015129.D

Acq: 25 Mar 2020 09:37

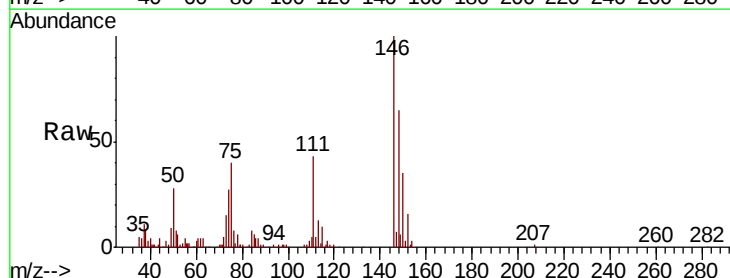
Tgt Ion:146 Resp: 35266

Ion Ratio Lower Upper

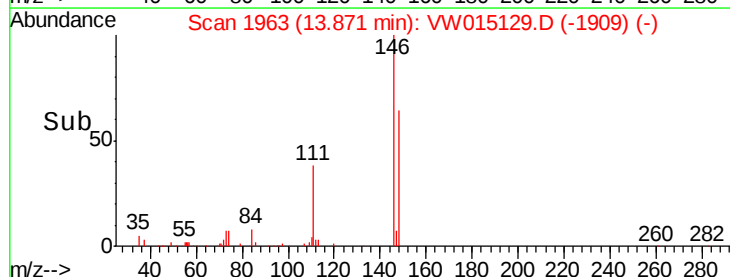
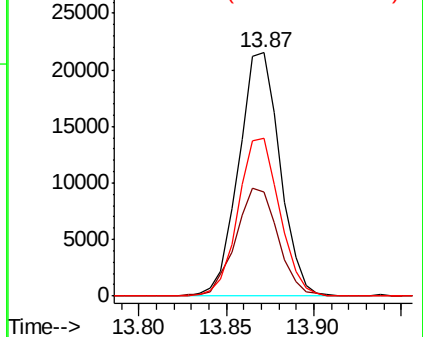
146 100

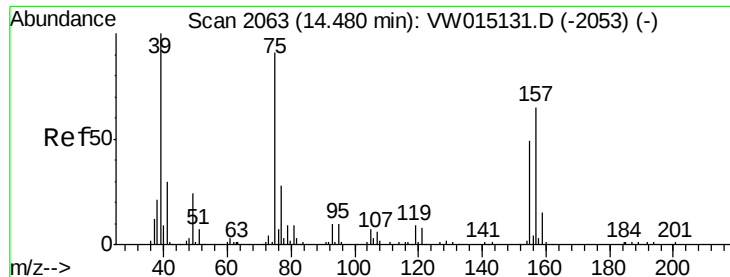
111 42.6 35.8 53.8

148 64.8 52.3 78.5



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

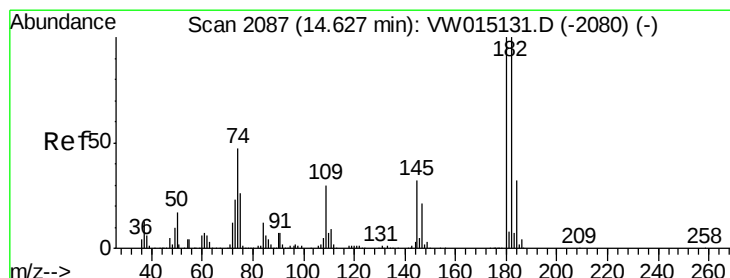
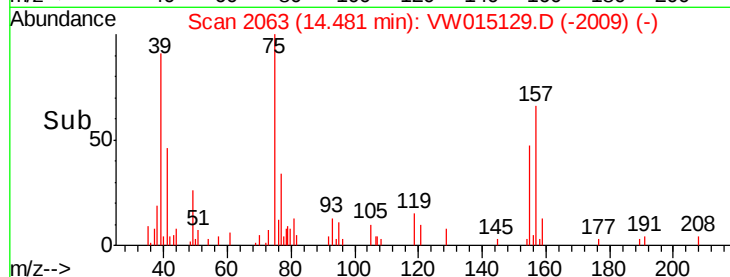
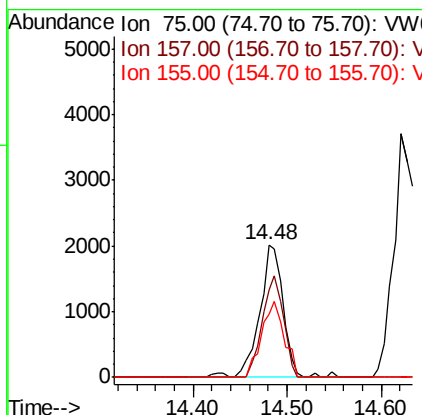
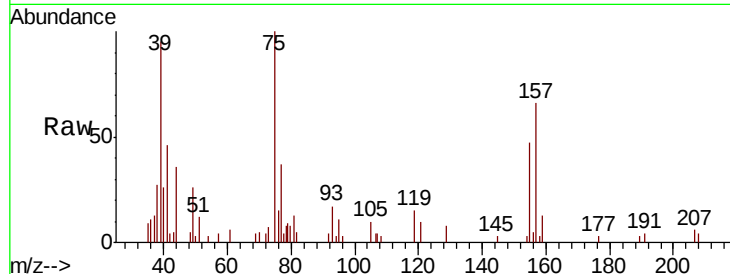




#66
 1,2-Dibromo-3-chloropropane
 Concen: 3.004 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW015129.D
 Acq: 25 Mar 2020 09:37

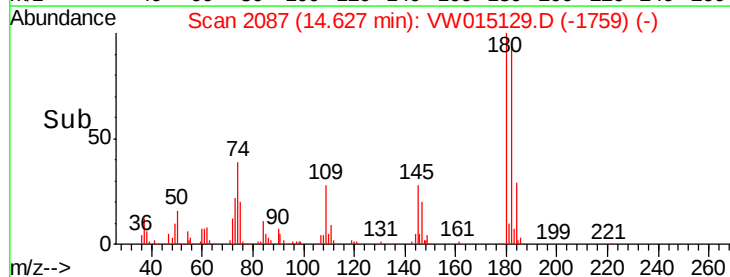
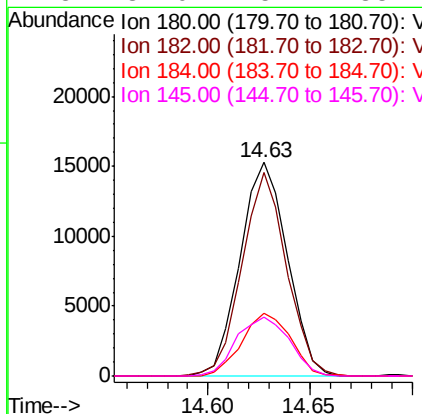
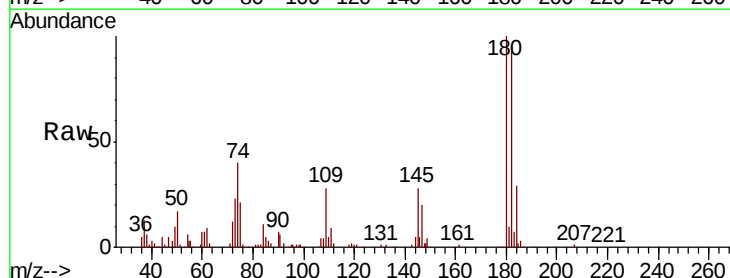
Instrument :
 MSVOA_W
 ClientSampled :

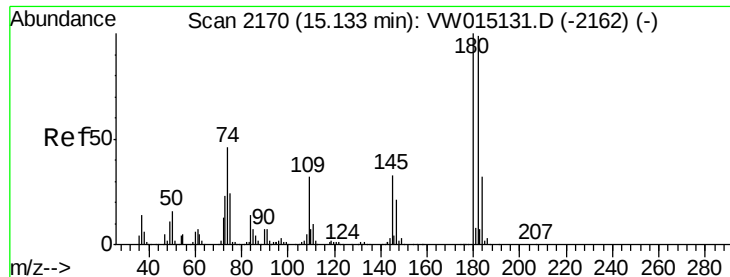
Tot Ion: 75 Resp: 3579
 Ion Ratio Lower Upper
 75 100
 157 66.0 57.3 85.9
 155 47.3 43.2 64.8



#67
 1,3,5-Trichlorobenzene
 Concen: 2.530 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW015129.D
 Acq: 25 Mar 2020 09:37

Tgt Ion: 180 Resp: 24654
 Ion Ratio Lower Upper
 180 100
 182 89.9 77.0 115.6
 184 30.1 24.0 36.0
 145 31.0 25.4 38.2

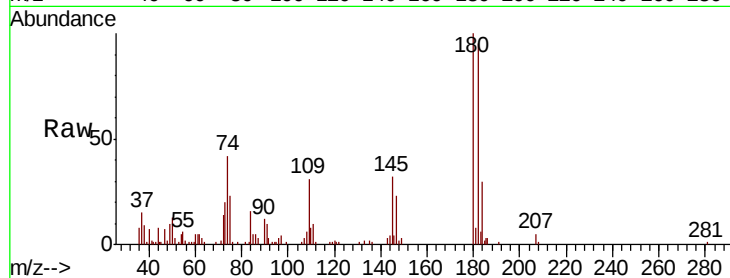




#68
 1,2,4-trichlorobenzene
 Concen: 2.179 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015129.D
 Acq: 25 Mar 2020 09:37

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	180	Resp	15680
Ion Ratio	100	Lower	Upper
182	92.6	75.8	113.6
145	31.9	25.8	38.6

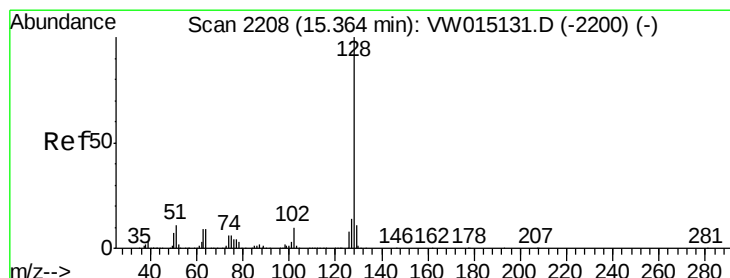
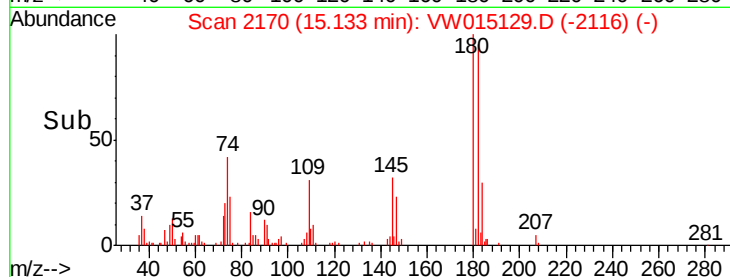
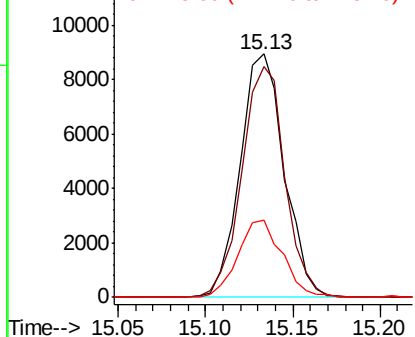


Abundance

Ion 180.00 (179.70 to 180.70): V

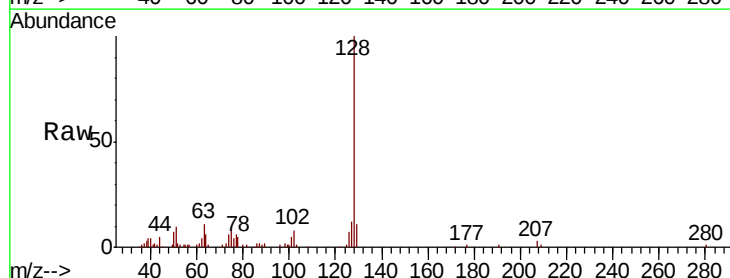
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#69
 Naphthalene
 Concen: 2.960 ug/L
 RT: 15.36 min Scan# 2208
 Delta R.T. 0.00 min
 Lab File: VW015129.D
 Acq: 25 Mar 2020 09:37

Tgt Ion	128	Resp	24065
Ion Ratio	100	Lower	Upper
129	11.5	8.9	13.3
127	14.2	11.0	16.4

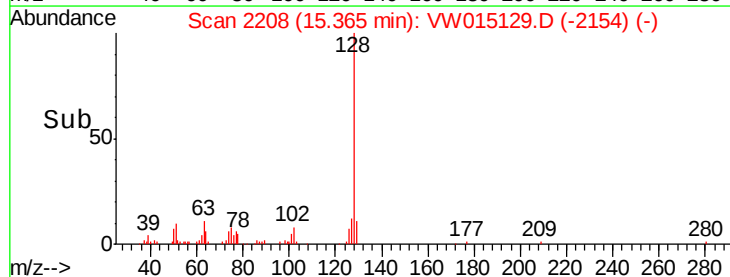
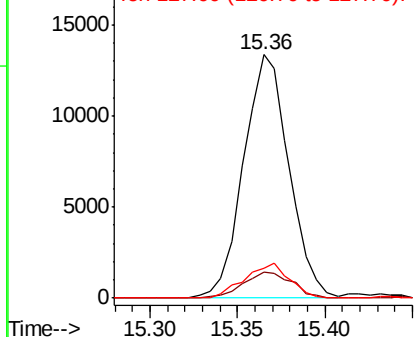


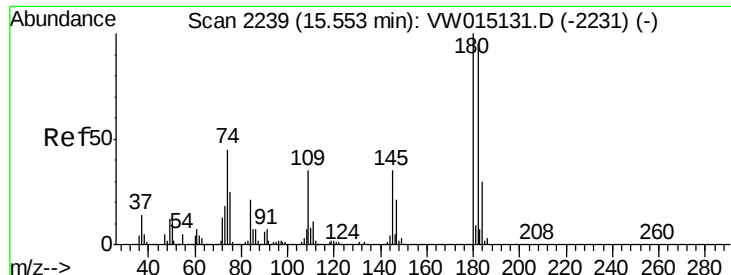
Abundance

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: 2.338 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW015129.D

Acq: 25 Mar 2020 09:37

Instrument :

MSVOA_W

ClientSampleId :

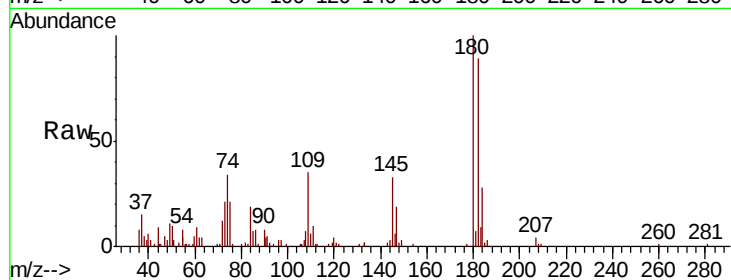
Tot Ion:180 Resp: 15145

Ion Ratio Lower Upper

180 100

182 92.1 75.9 113.9

145 33.8 27.6 41.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

