

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032520\
 Data File : VW015130.D
 Acq On : 25 Mar 2020 10:03
 Operator : SY/VA
 Sample : VSTD00503
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Mar 25 13:59:57 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	606978	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	541297	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	226398	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	57154	4.03	ug/L	0.00
7) Chloroethane-d5	2.89	69	46164	4.42	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.03	63	111388	4.88	ug/L	0.00
20) 2-Butanone-d5	7.08	46	21649	8.78	ug/L	0.00
24) Chloroform-d	7.65	84	98286	5.11	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	56014	5.18	ug/L	0.00
29) Benzene-d6	8.27	84	187627	5.25	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	61692	5.15	ug/L	0.00
37) Toluene-d8	10.32	98	152123	5.10	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.57	79	21572	4.85	ug/L	0.00
39) 2-Hexanone-d5	10.92	63	14396	8.95	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	39320	5.02	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	41493	5.18	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	23306	4.570	ug/L 97
3) Chloromethane	2.21	50	47813	4.239	ug/L 95
5) Vinyl chloride	2.36	62	64413	4.383	ug/L 97
6) Bromomethane	2.78	94	35952	5.255	ug/L 95
8) Chloroethane	2.93	64	38511	4.710	ug/L 94
9) Trichlorofluoromethane	3.26	101	34320	5.007	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	51856	5.482	ug/L 97
12) 1,1-Dichloroethene	4.04	96	45387	5.056	ug/L 94
13) Acetone	4.13	43	21546	7.817	ug/L 98
14) Carbon disulfide	4.39	76	172743	5.098	ug/L 98
16) Methylene chloride	4.92	84	55650	5.003	ug/L 98
17) Methyl tert-butyl Ether	5.42	73	53845	4.865	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	46210	4.964	ug/L 93
19) 1,1-Dichloroethane	6.22	63	101640	4.919	ug/L 98
21) 2-Butanone	7.18	43	24601	7.277	ug/L 96
22) cis-1,2-Dichloroethene	7.17	96	45500	4.831	ug/L 89
23) Bromochloromethane	7.52	128	18595	5.019	ug/L 93
25) Chloroform	7.68	83	93639	4.983	ug/L 98
27) 1,2-Dichloroethane	8.40	62	64857	5.000	ug/L # 95
30) Cyclohexane	7.96	56	81616	4.578	ug/L 97
31) 1,1,1-Trichloroethane	7.87	97	76030	5.461	ug/L 98
32) Carbon tetrachloride	8.07	117	64369	5.186	ug/L 100
34) Benzene	8.32	78	206085	5.176	ug/L 100
35) Trichloroethene	9.09	95	49969	5.148	ug/L 98
36) Methylcyclohexane	9.34	83	80506	4.867	ug/L 97
40) 1,2-Dichloropropane	9.37	63	56505	5.112	ug/L 98
41) Bromodichloromethane	9.64	83	63076	5.057	ug/L 99
42) cis-1,3-Dichloropropene	10.07	75	67102	4.662	ug/L 95
43) 4-Methyl-2-pentanone	10.21	43	50992	8.213	ug/L 99
44) Toluene	10.38	91	193682	4.997	ug/L 99

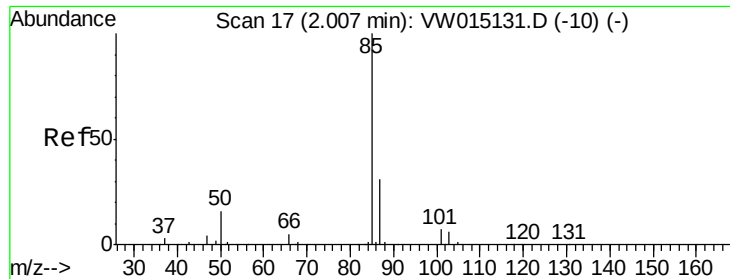
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032520\
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 QLast Update : Wed Mar 25 13:57:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) trans-1,3-Dichloropropene	10.60	75	58077	4.901	ug/L	94
46) 1,1,2-Trichloroethane	10.79	97	31260	4.962	ug/L	97
47) Tetrachloroethene	10.87	164	31731	5.087	ug/L	93
49) 2-Hexanone	10.97	43	32410	7.310	ug/L	98
50) Dibromochloromethane	11.13	129	31752	4.768	ug/L	97
51) 1,2-Dibromoethane	11.23	107	26920	4.897	ug/L	97
52) Chlorobenzene	11.66	112	116157	5.082	ug/L	97
53) Ethylbenzene	11.73	91	201992	4.759	ug/L	99
54) m,p-Xylene	11.83	106	70356	4.745	ug/L	99
55) o-xylene	12.16	106	64274	4.637	ug/L	98
56) Styrene	12.18	104	106165	4.483	ug/L	94
57) Isopropylbenzene	12.46	105	180457	4.777	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	38419	4.827	ug/L	95
59) 1,2,3-Trichloropropane	12.77	75	28400	4.654	ug/L	97
62) Bromoform	12.35	173	15506	4.863	ug/L	96
63) 1,3-Dichlorobenzene	13.50	146	74726	5.106	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	78384	5.185	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	66189	4.975	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.48	75	6266	5.285	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	47447	4.893	ug/L	97
68) 1,2,4-trichlorobenzene	15.13	180	31810	4.442	ug/L	96
69) Naphthalene	15.36	128	47862	5.916	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	29607	4.592	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.570 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW015130.D

Acq: 25 Mar 2020 10:03

Instrument :

MSVOA_W

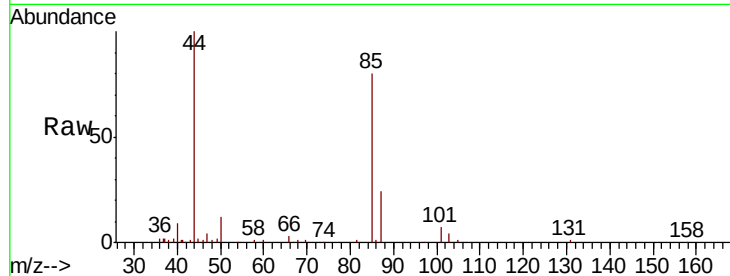
ClientSampled :

Tot Ion: 85 Resp: 23306

Ion Ratio Lower Upper

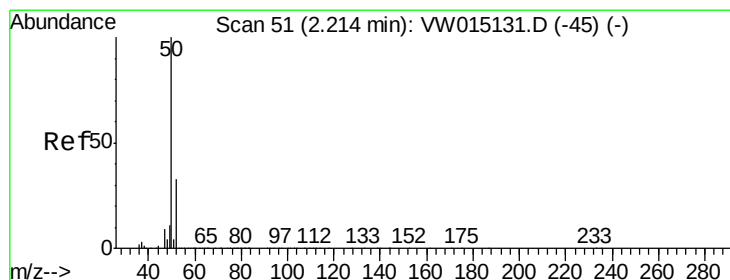
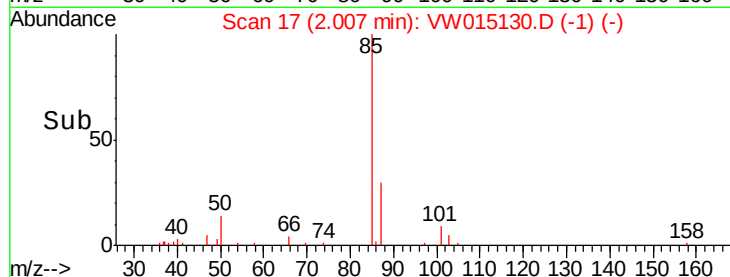
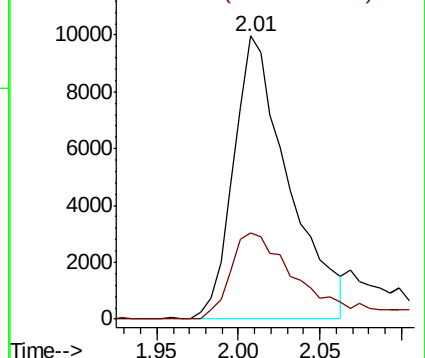
85 100

87 35.2 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: 4.239 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015130.D

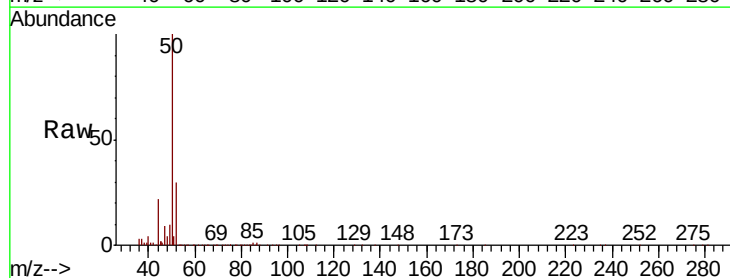
Acq: 25 Mar 2020 10:03

Tgt Ion: 50 Resp: 47813

Ion Ratio Lower Upper

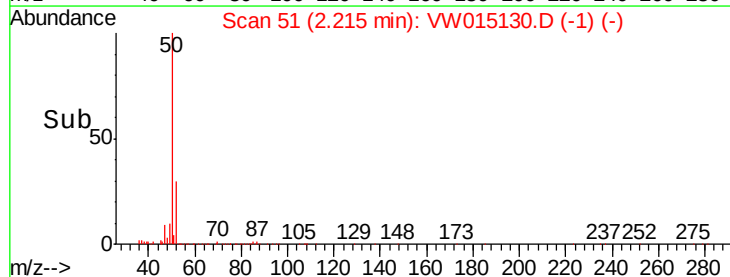
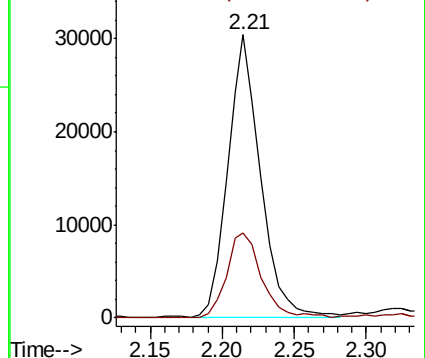
50 100

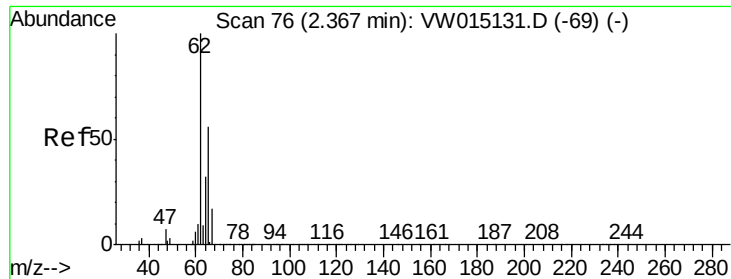
52 30.2 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 4.383 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW015130.D

Acq: 25 Mar 2020 10:03

Instrument :

MSVOA_W

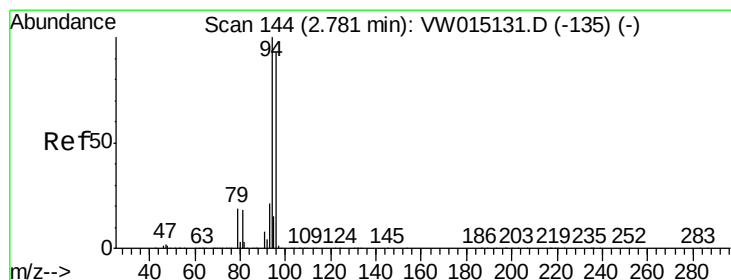
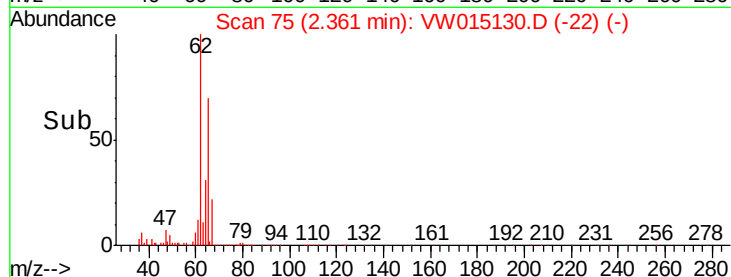
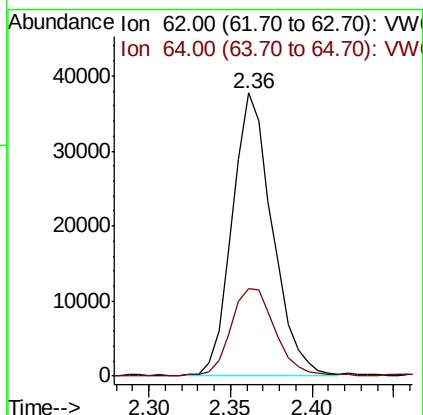
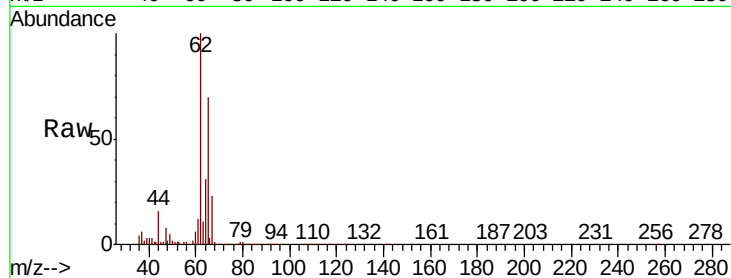
ClientSampleId :

Tot Ion: 62 Resp: 64413

Ion Ratio Lower Upper

62 100

64 30.7 22.7 42.3



#6

Bromomethane

Concen: 5.255 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW015130.D

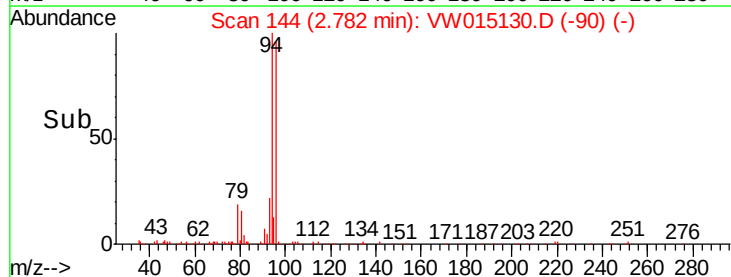
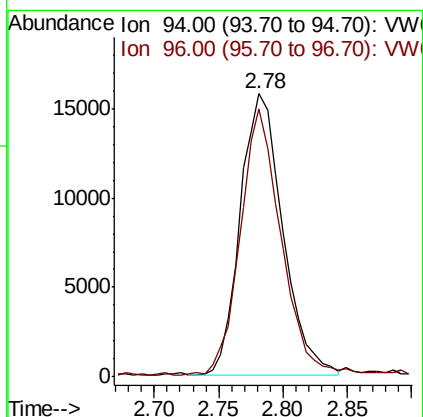
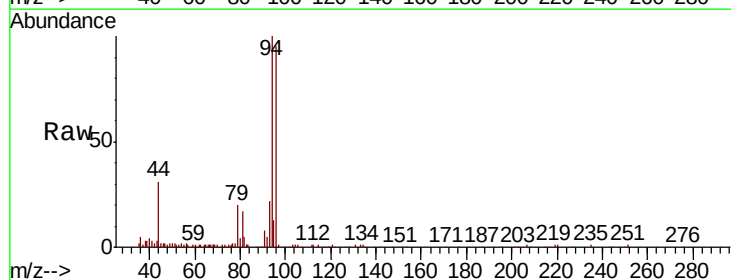
Acq: 25 Mar 2020 10:03

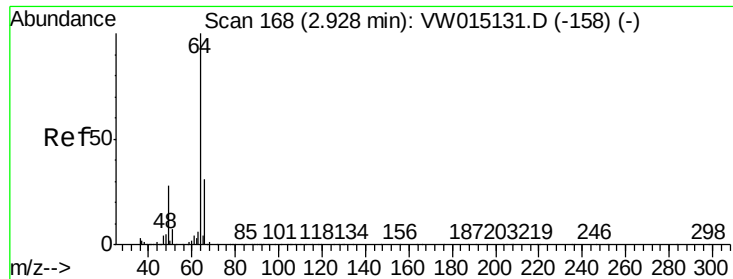
Tgt Ion: 94 Resp: 35952

Ion Ratio Lower Upper

94 100

96 88.9 9.3 177.3

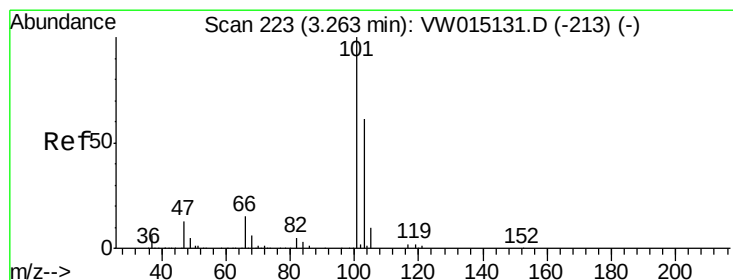
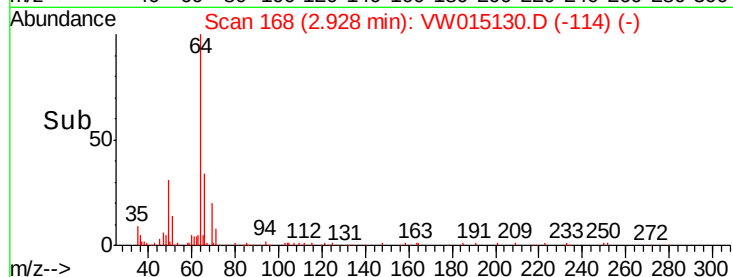
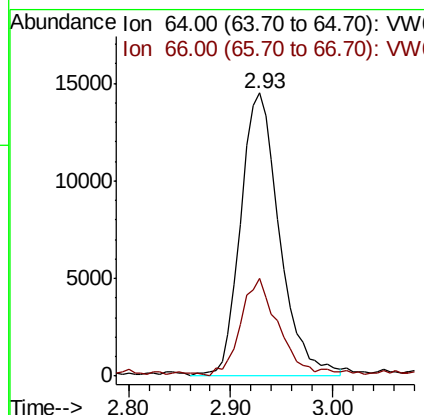
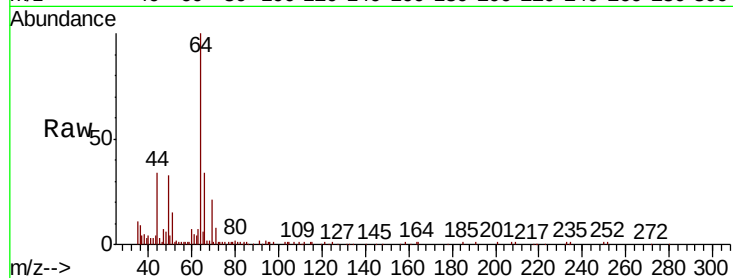




#8
Chloroethane
Concen: 4.710 ug/L
RT: 2.93 min Scan# 168
Delta R.T. 0.00 min
Lab File: VW015130.D
Acq: 25 Mar 2020 10:03

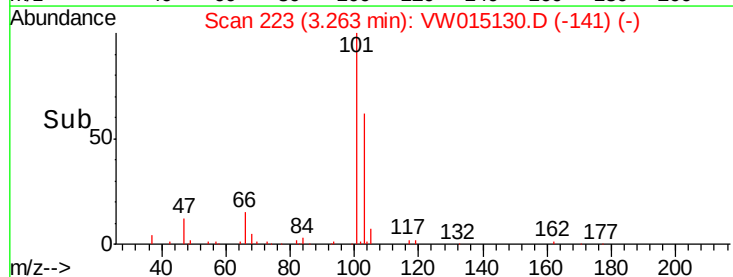
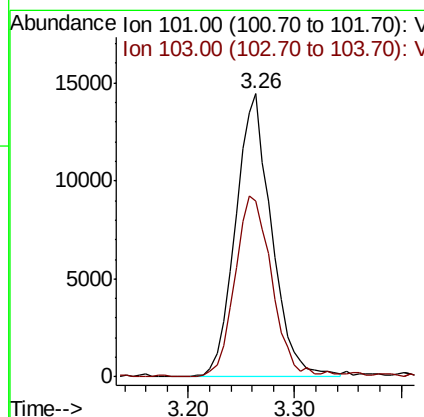
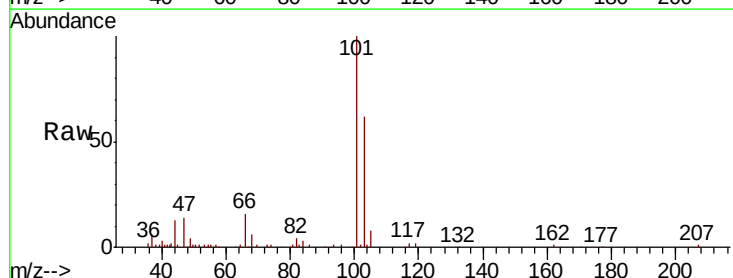
Instrument :
MSVOA_W
ClientSampleId :

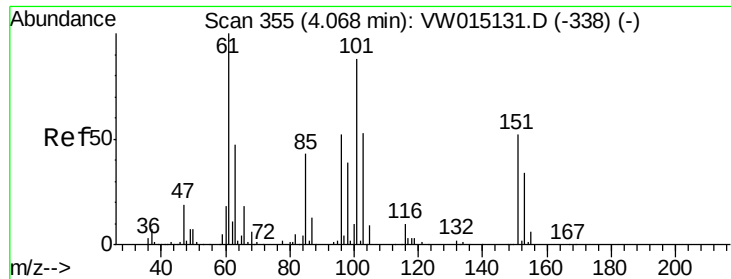
Tot Ion: 64 Resp: 38511
Ion Ratio Lower Upper
64 100
66 34.4 21.8 40.6



#9
Trichlorofluoromethane
Concen: 5.007 ug/L
RT: 3.26 min Scan# 223
Delta R.T. 0.00 min
Lab File: VW015130.D
Acq: 25 Mar 2020 10:03

Tgt Ion: 101 Resp: 34320
Ion Ratio Lower Upper
101 100
103 64.1 43.8 81.4





#11

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

Concen: 5.482 ug/L

RT: 4.07 min Scan# 356

Delta R.T. 0.01 min

Lab File: VW015130.D

Acq: 25 Mar 2020 10:03

Instrument :

MSVOA_W

ClientSampled :

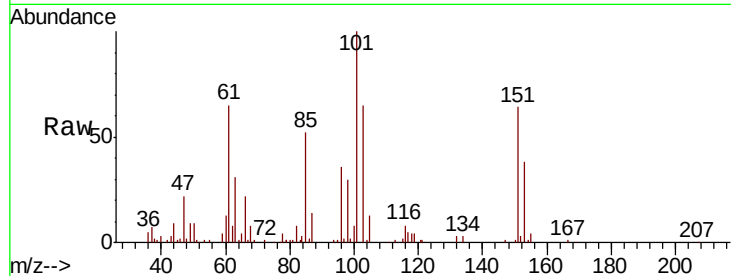
Tot Ion:101 Resp: 51856

Ion Ratio Lower Upper

101 100

85 45.2 37.8 56.6

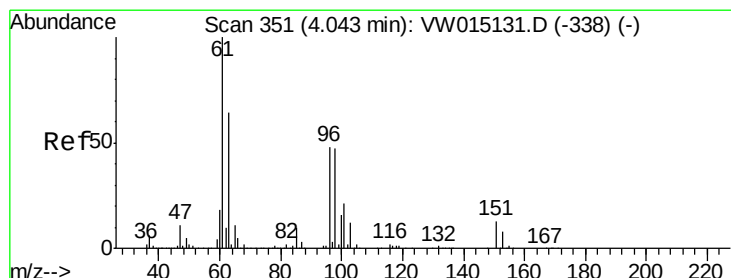
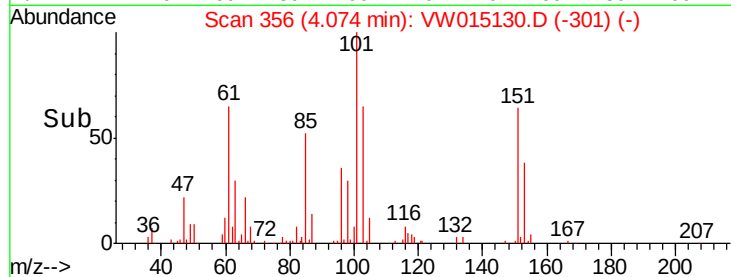
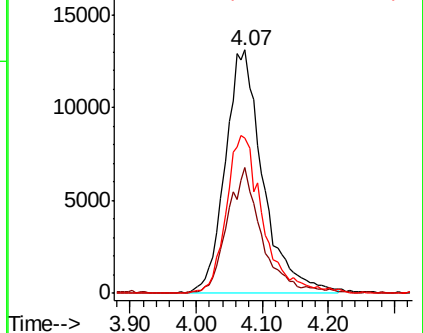
151 59.8 50.2 75.4



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: 5.056 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.00 min

Lab File: VW015130.D

Acq: 25 Mar 2020 10:03

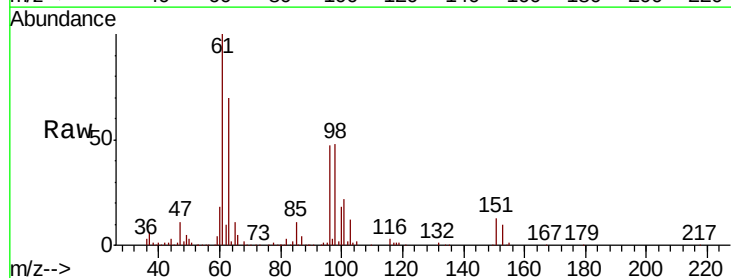
Tgt Ion: 96 Resp: 45387

Ion Ratio Lower Upper

96 100

61 213.7 146.2 271.4

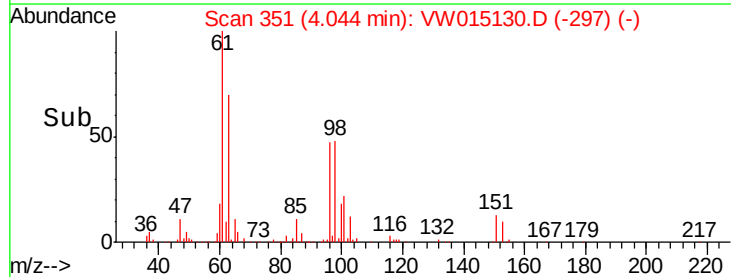
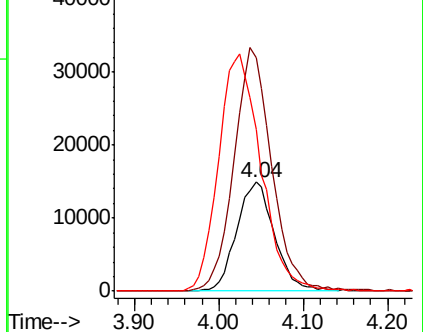
63 148.7 95.0 176.4

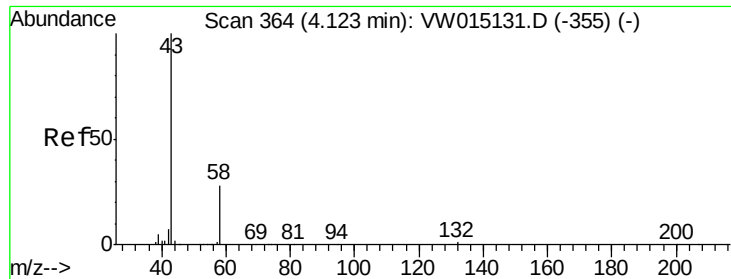


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 7.817 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW015130.D

Acq: 25 Mar 2020 10:03

Instrument :

MSVOA_W

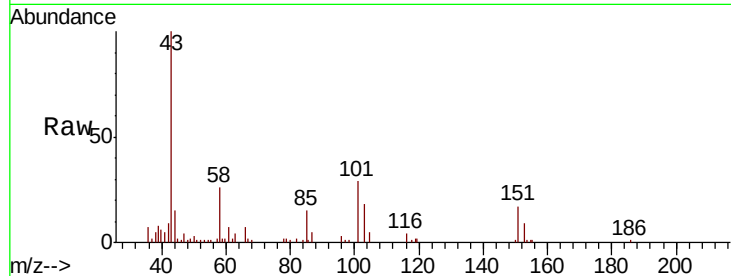
ClientSampleId :

Tot Ion: 43 Resp: 21546

Ion Ratio Lower Upper

43 100

58 28.5 0.0 54.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

8000

6000

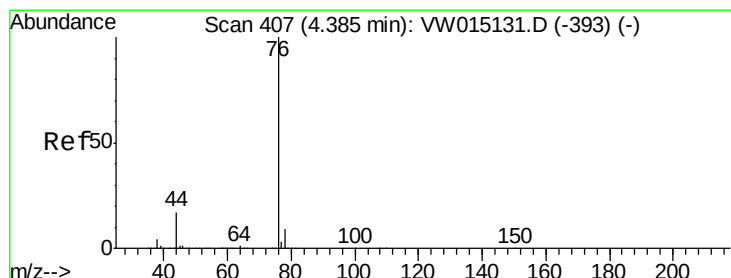
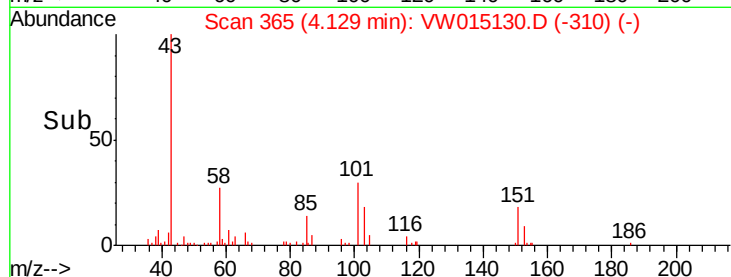
4000

2000

0

4.00 4.10 4.20

Time-->



#14

Carbon disulfide

Concen: 5.098 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW015130.D

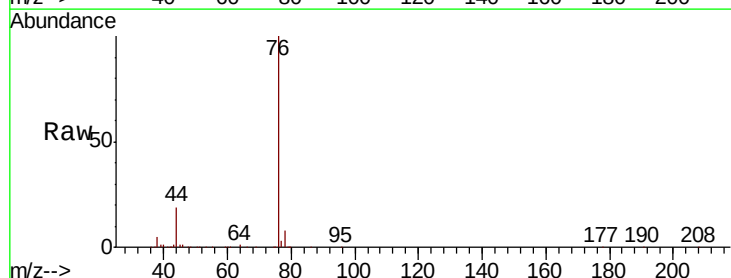
Acq: 25 Mar 2020 10:03

Tgt Ion: 76 Resp: 172743

Ion Ratio Lower Upper

76 100

78 8.4 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

4.39

60000

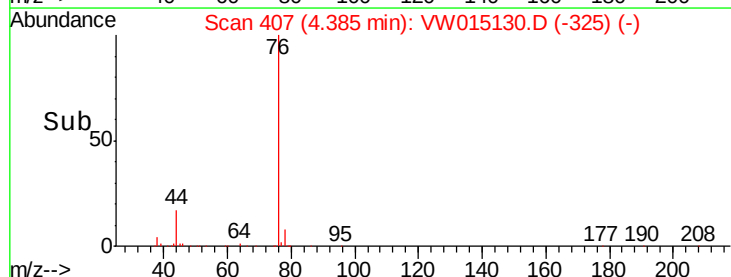
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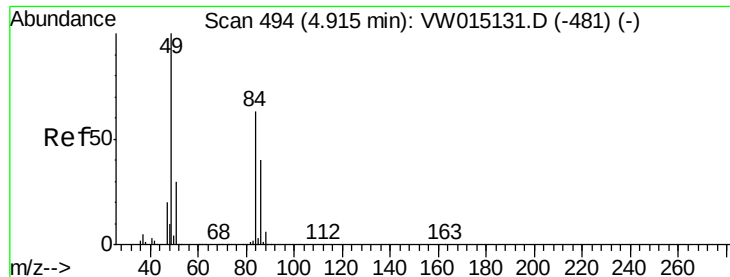
20000

0

4.30 4.40 4.50

Time-->

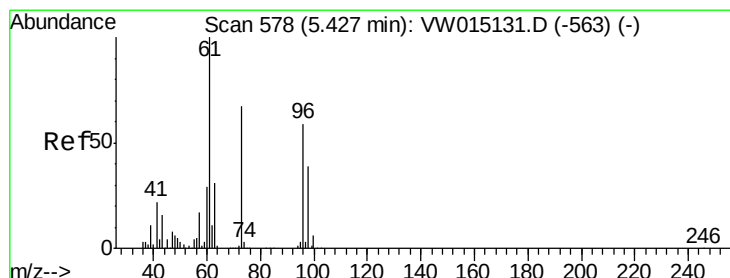
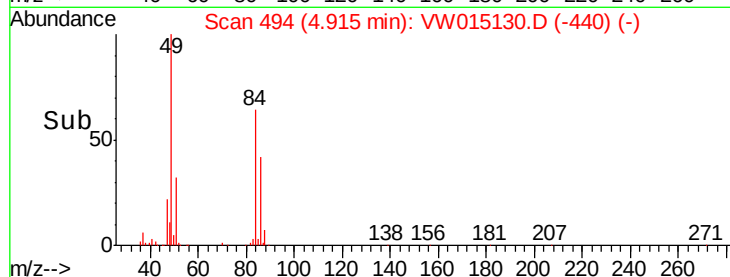
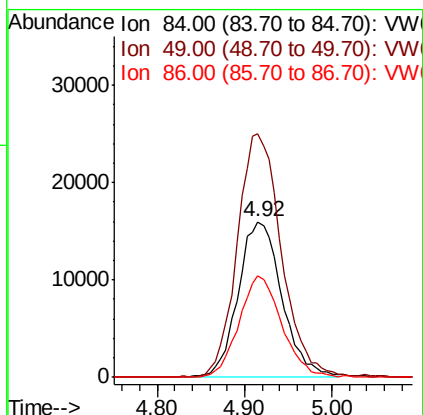
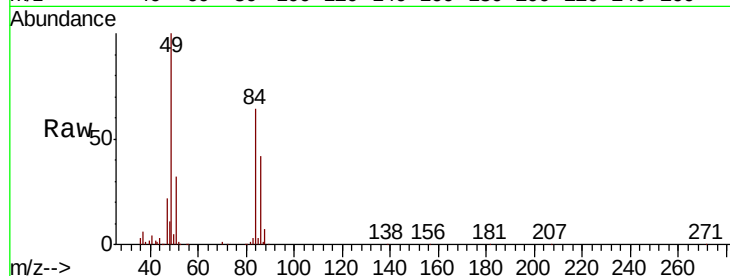




#16
Methylene chloride
Concen: 5.003 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW015130.D
Acq: 25 Mar 2020 10:03

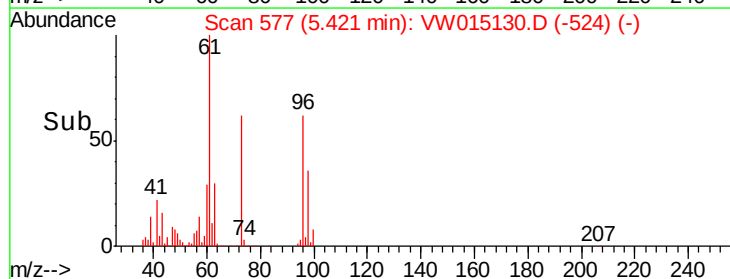
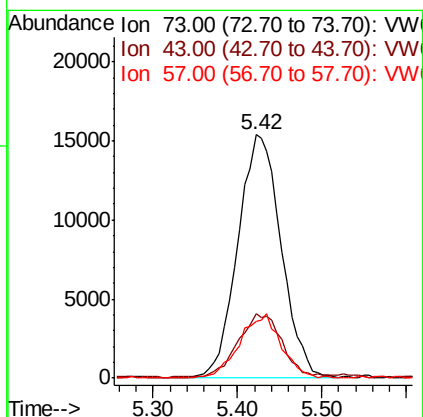
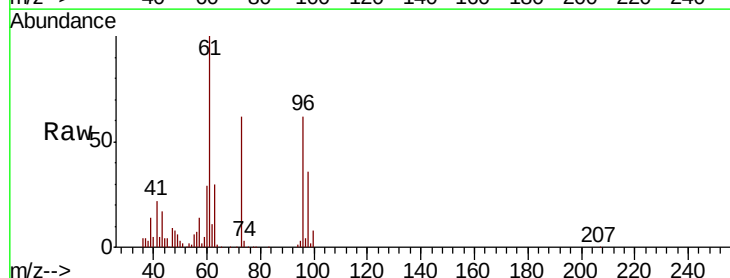
Instrument :
MSVOA_W
ClientSampleId :

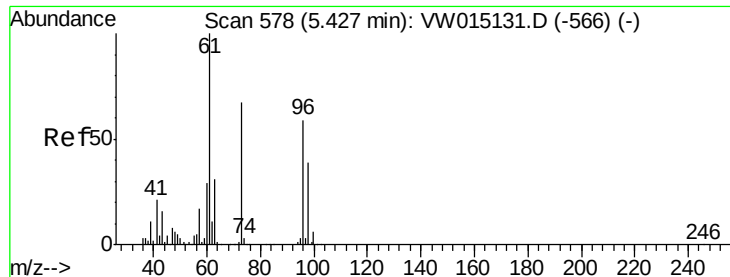
Tot Ion: 84 Resp: 55650
Ion Ratio Lower Upper
84 100
49 156.4 111.7 207.5
86 65.4 44.7 82.9



#17
Methyl tert-butyl Ether
Concen: 4.865 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW015130.D
Acq: 25 Mar 2020 10:03

Tgt Ion: 73 Resp: 53845
Ion Ratio Lower Upper
73 100
43 25.8 20.2 30.2
57 25.0 19.7 29.5





#18

trans-1,2-Dichloroethene

Concen: 4.964 ug/L

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW015130.D

Acq: 25 Mar 2020 10:03

Instrument :

MSVOA_W

ClientSampled :

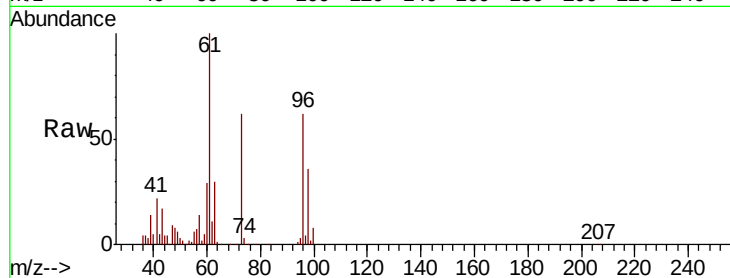
Tot Ion: 96 Resp: 46210

Ion Ratio Lower Upper

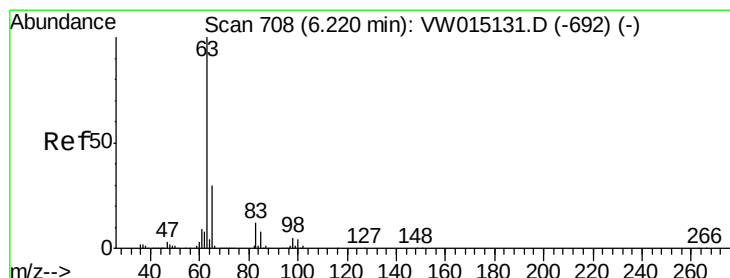
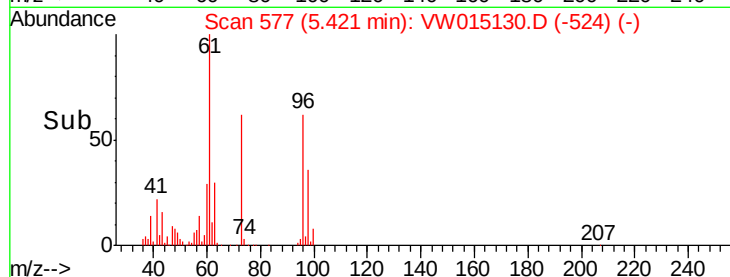
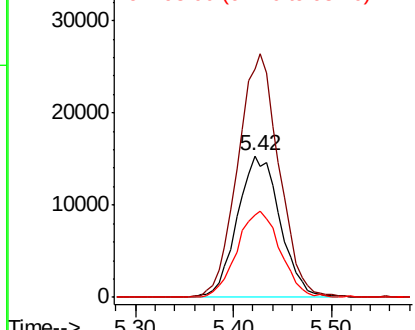
96 100

61 160.5 118.1 219.3

98 57.8 45.8 85.2



Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



#19

1,1-Dichloroethane

Concen: 4.919 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW015130.D

Acq: 25 Mar 2020 10:03

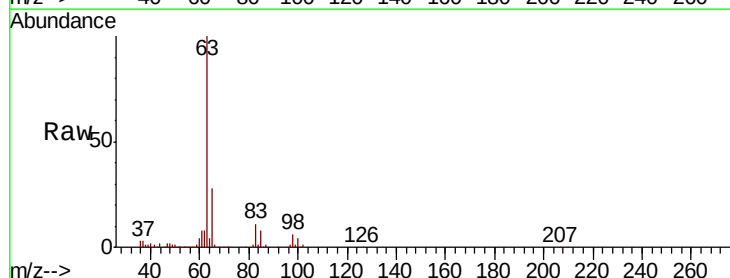
Tgt Ion: 63 Resp: 101640

Ion Ratio Lower Upper

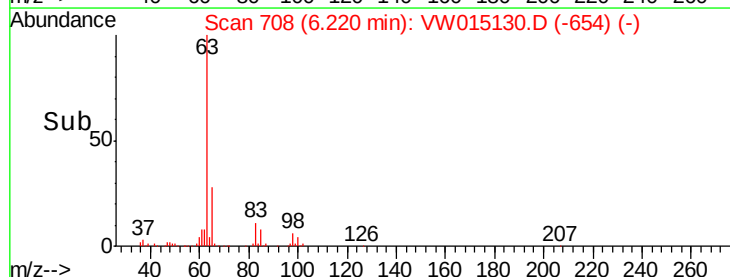
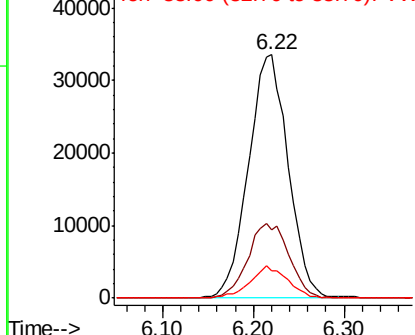
63 100

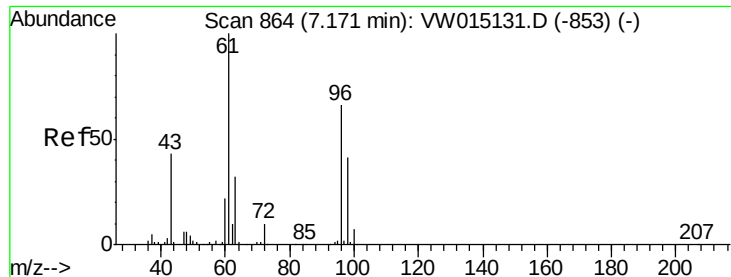
65 28.2 20.6 38.4

83 11.4 8.1 15.1



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





#21

2-Butanone

Concen: 7.277 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW015130.D

Acq: 25 Mar 2020 10:03

Instrument :

MSVOA_W

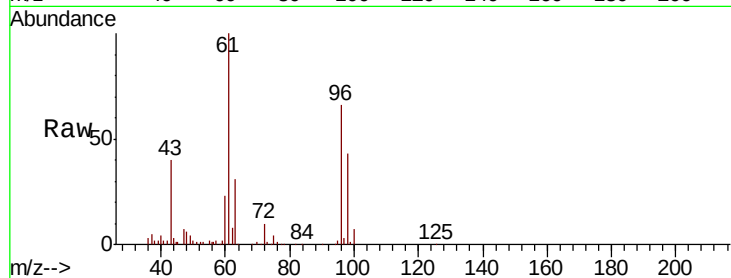
ClientSampled :

Tot Ion: 43 Resp: 24601

Ion Ratio Lower Upper

43 100

72 25.4 11.7 35.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.18

10000

8000

6000

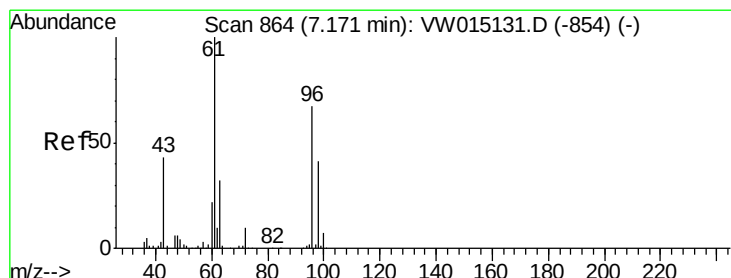
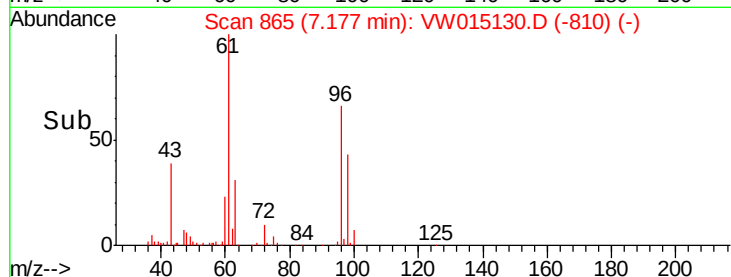
4000

2000

0

Time-->

7.05 7.10 7.15 7.20 7.25



#22

cis-1,2-Dichloroethene

Concen: 4.831 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW015130.D

Acq: 25 Mar 2020 10:03

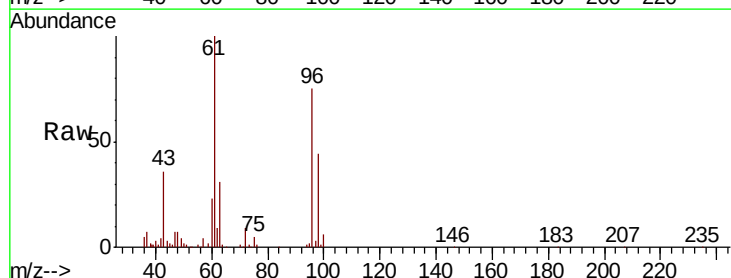
Tgt Ion: 96 Resp: 45500

Ion Ratio Lower Upper

96 100

61 133.1 105.6 196.0

98 58.1 43.3 80.5



Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW

7.17

30000

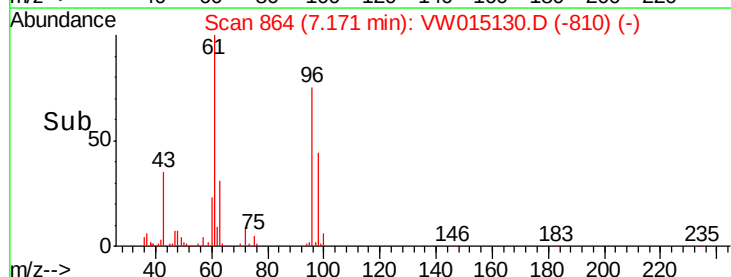
20000

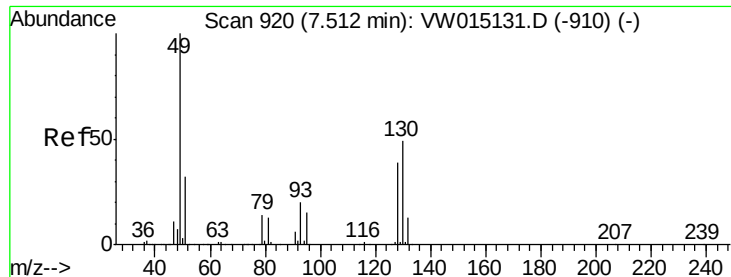
10000

0

Time-->

7.10 7.20 7.30

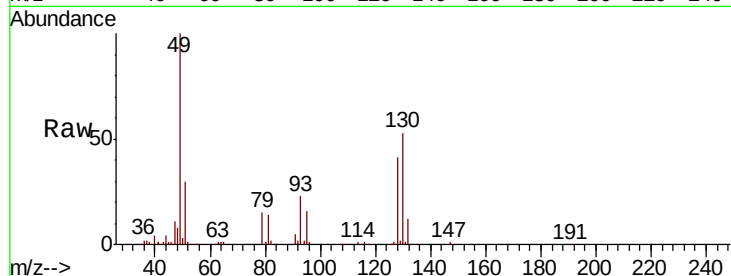




#23
Bromochloromethane
Concen: 5.019 ug/L
RT: 7.52 min Scan# 921
Delta R.T. 0.01 min
Lab File: VW015130.D
Acq: 25 Mar 2020 10:03

Instrument :
MSVOA_W
ClientSampled :

Tot Ion	Ratio	Lower	Upper
128	100		
49	242.4	181.2	336.6
130	127.7	88.4	164.2
51	73.2	66.2	99.4



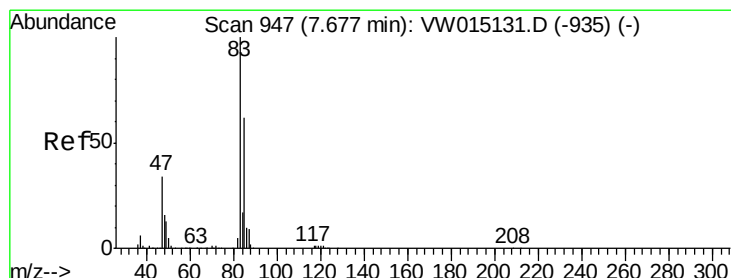
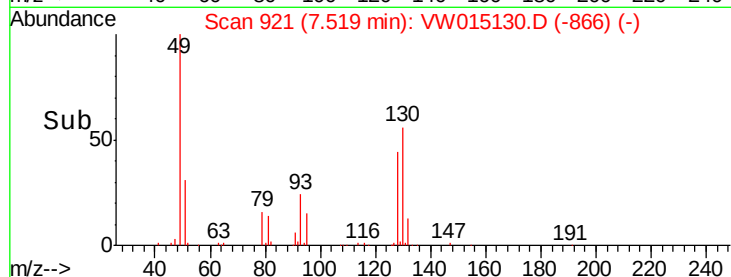
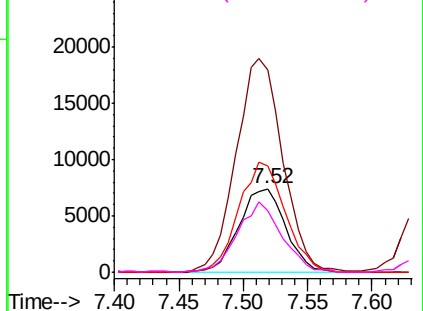
Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): V

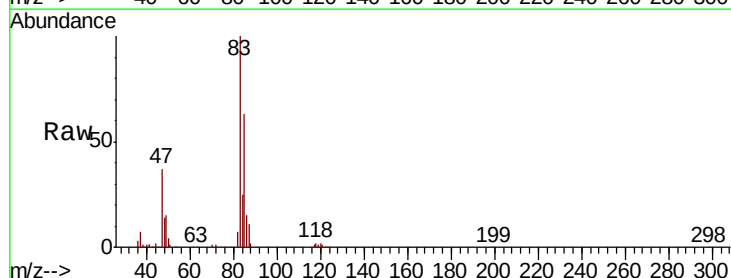
Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): V



#25
Chloroform
Concen: 4.983 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW015130.D
Acq: 25 Mar 2020 10:03

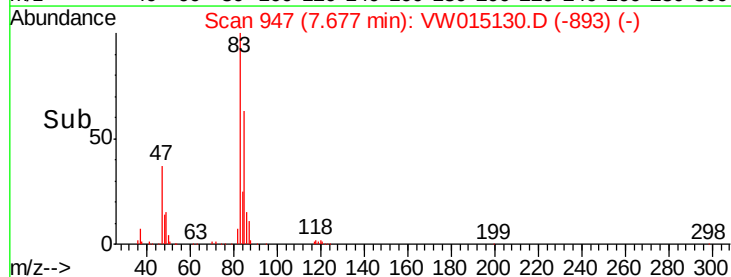
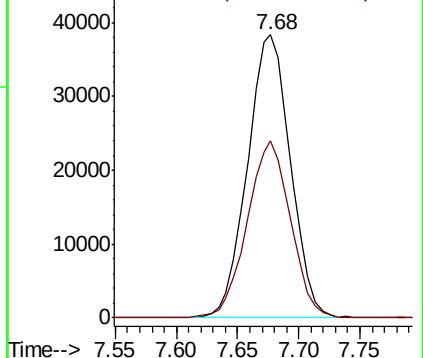
Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	45.4	84.2

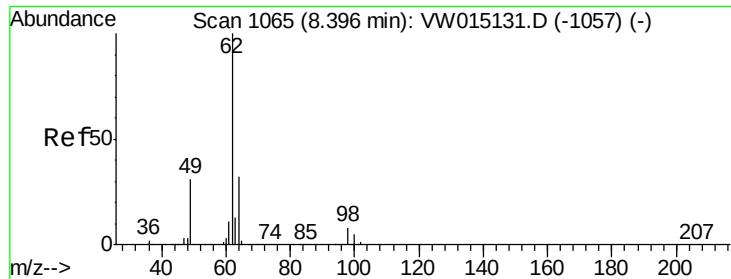


Abundance

Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

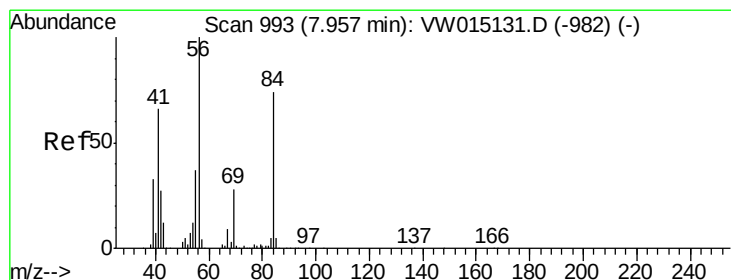
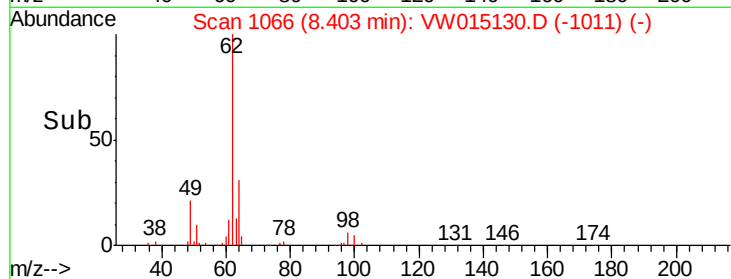
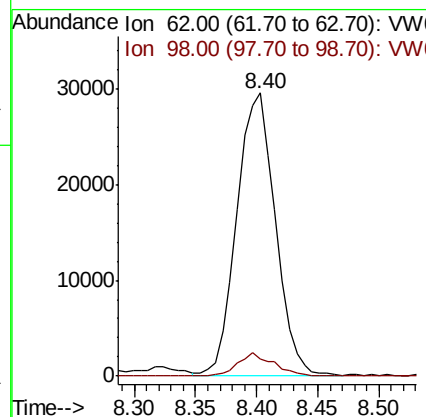
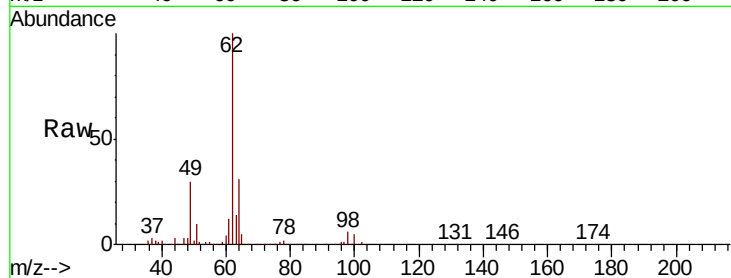




#27
 1,2-Dichloroethane
 Concen: 5.000 ug/L
 RT: 8.40 min Scan# 1066
 Delta R.T. 0.01 min
 Lab File: VW015130.D
 Acq: 25 Mar 2020 10:03

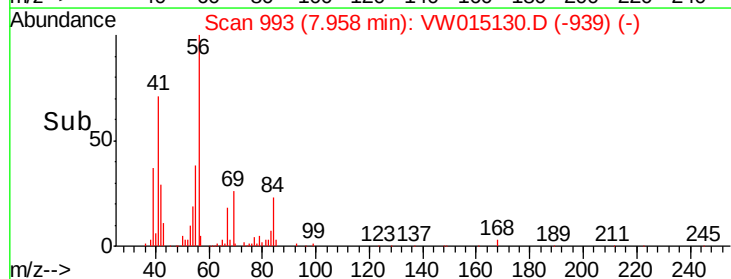
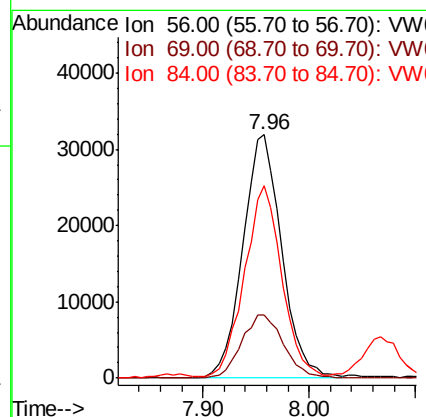
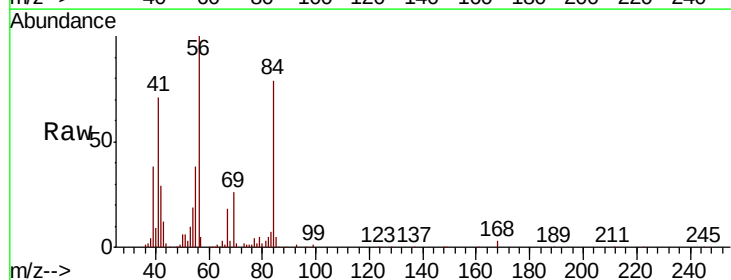
Instrument :
 MSVOA_W
 ClientSampleId :

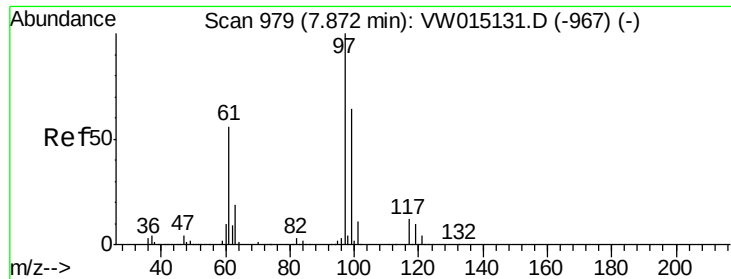
Tot Ion: 62 Resp: 64857
 Ion Ratio Lower Upper
 62 100
 98 6.1 6.2 9.4#



#30
 Cyclohexane
 Concen: 4.578 ug/L
 RT: 7.96 min Scan# 993
 Delta R.T. 0.00 min
 Lab File: VW015130.D
 Acq: 25 Mar 2020 10:03

Tgt Ion: 56 Resp: 81616
 Ion Ratio Lower Upper
 56 100
 69 28.0 22.0 33.0
 84 76.8 58.9 88.3





#31

1,1,1-Trichloroethane

Concen: 5.461 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW015130.D

Acq: 25 Mar 2020 10:03

Instrument :

MSVOA_W

ClientSampleId :

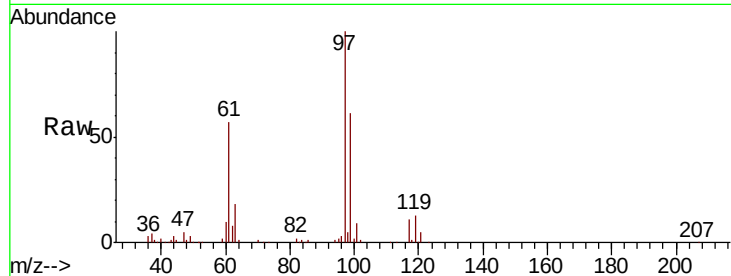
Tot Ion: 97 Resp: 76030

Ion Ratio Lower Upper

97 100

99 61.5 51.0 76.4

61 55.2 44.8 67.2

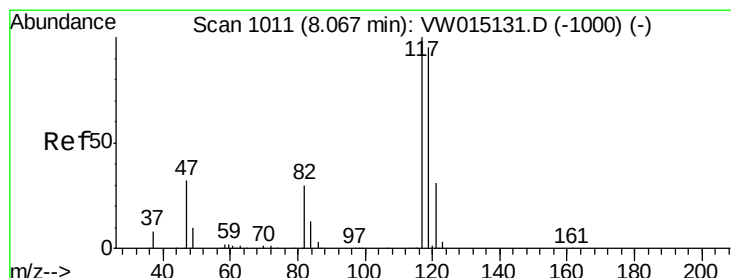
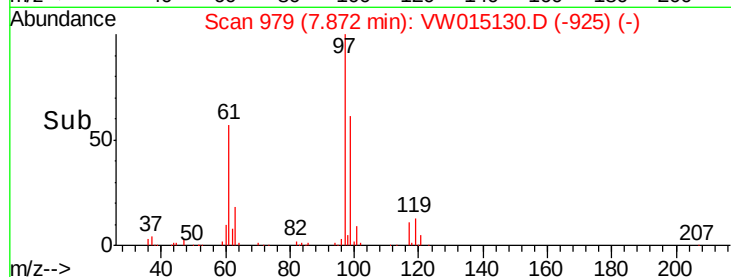
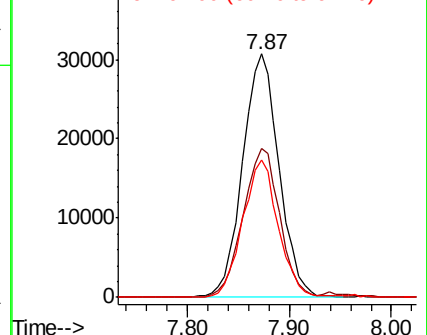


Abundance

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: 5.186 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW015130.D

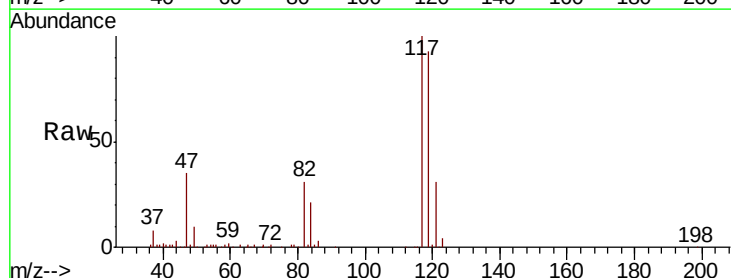
Acq: 25 Mar 2020 10:03

Tgt Ion: 117 Resp: 64369

Ion Ratio Lower Upper

117 100

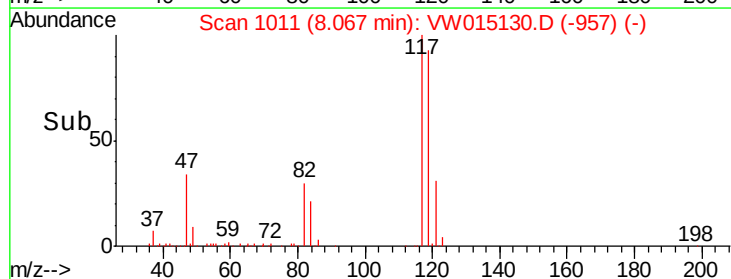
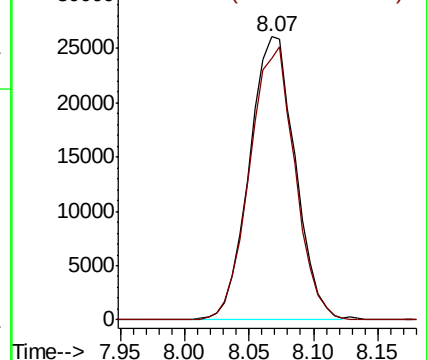
119 95.5 76.6 114.8

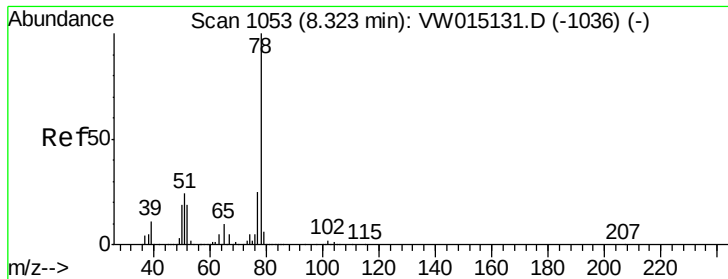


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V





#34

Benzene

Concen: 5.176 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW015130.D

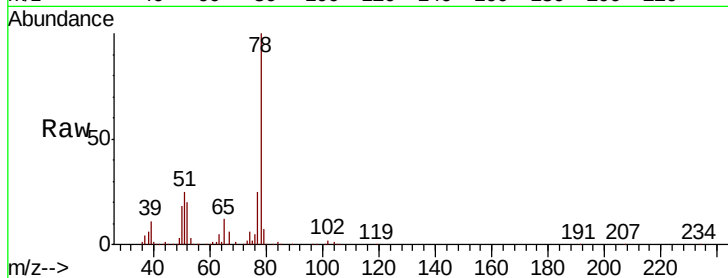
Acq: 25 Mar 2020 10:03

Instrument :

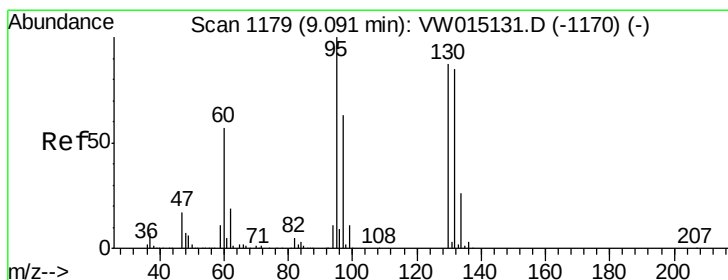
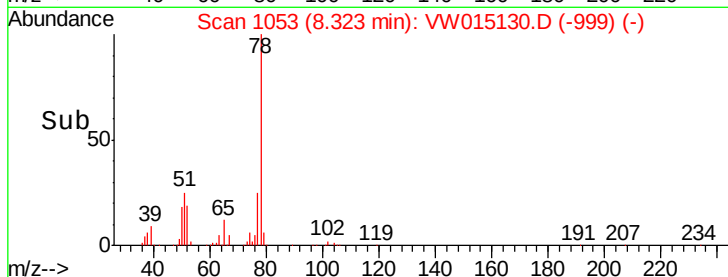
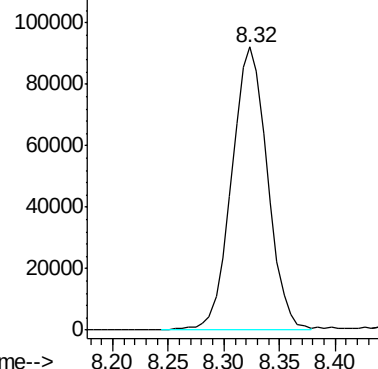
MSVOA_W

ClientSampleId :

Tgt Ion: 78 Resp: 206085



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 5.148 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW015130.D

Acq: 25 Mar 2020 10:03

Tgt Ion: 95 Resp: 49969

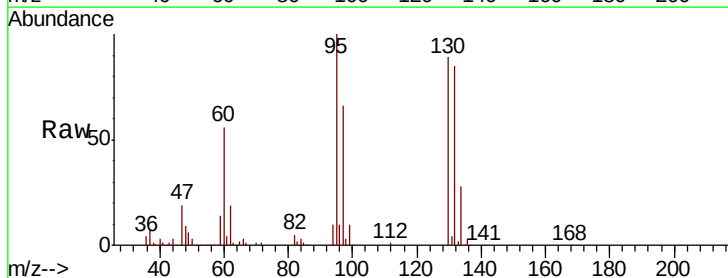
Ion	Ratio	Lower	Upper
95	100		
97	64.0	43.7	81.1
132	83.4	58.7	109.1
130	89.7	61.3	113.9

Abundance Ion 95.00 (94.70 to 95.70): VW

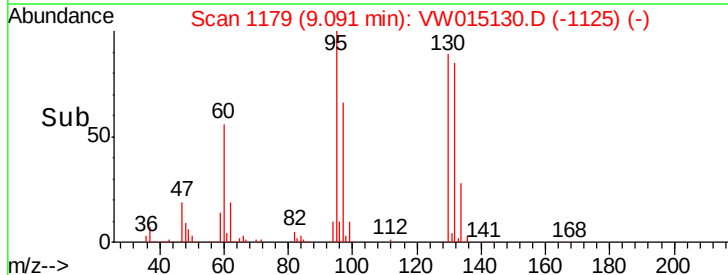
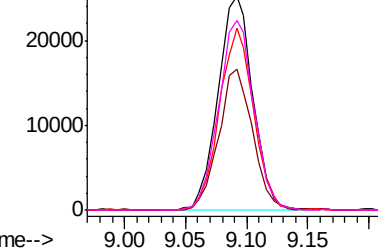
Ion 97.00 (96.70 to 97.70): VW

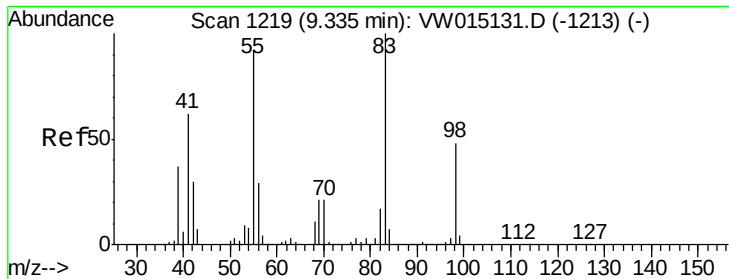
Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



Abundance

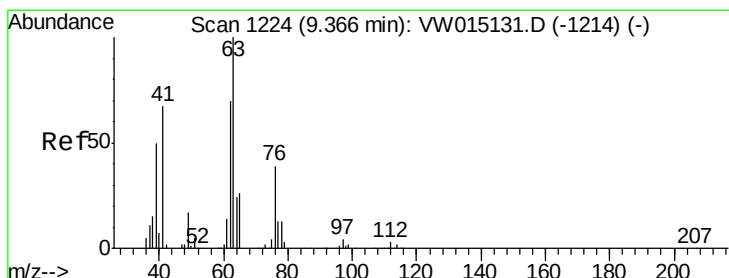
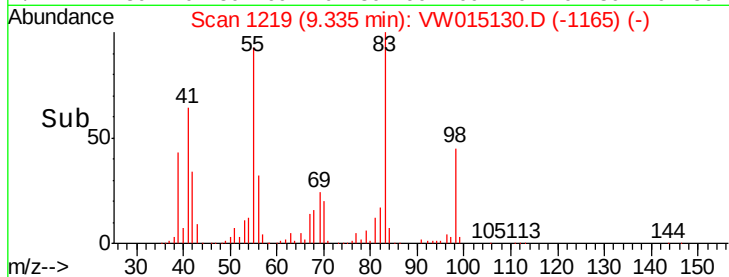
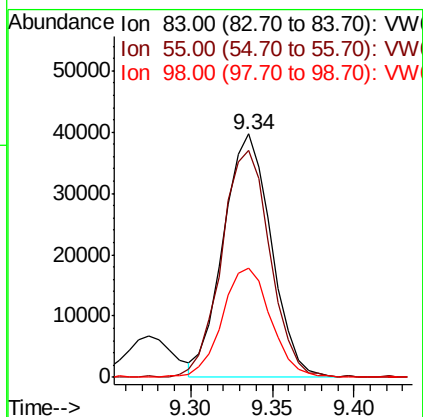
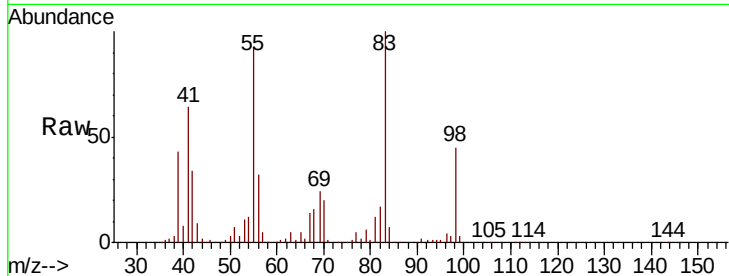




#36
Methylcyclohexane
Concen: 4.867 ug/L
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW015130.D
Acq: 25 Mar 2020 10:03

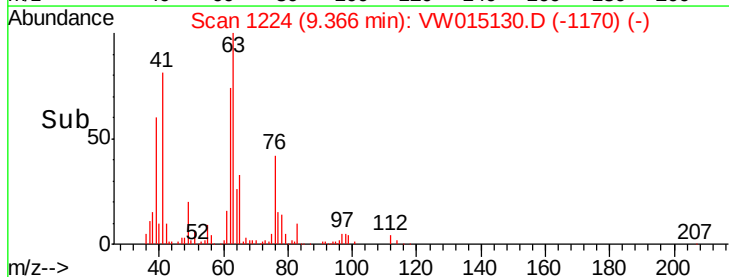
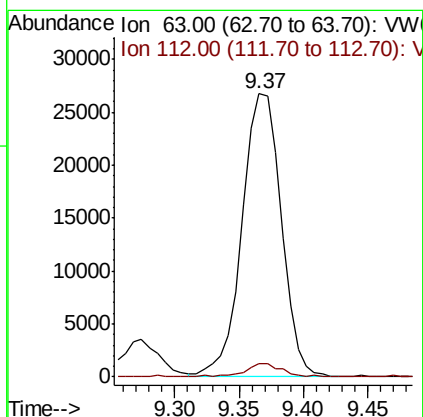
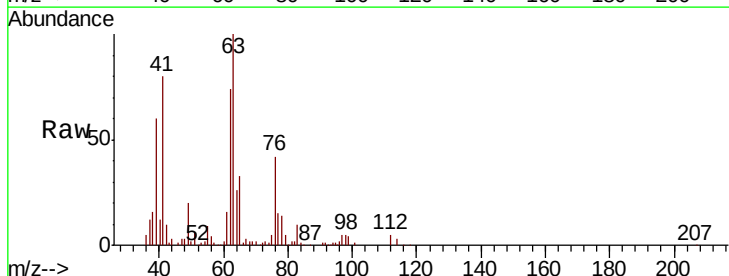
Instrument :
MSVOA_W
ClientSampled :

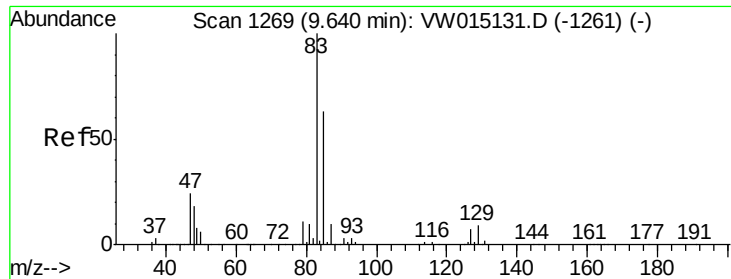
Tot Ion: 83 Resp: 80506
Ion Ratio Lower Upper
83 100
55 95.2 73.4 110.2
98 46.1 36.6 55.0



#40
1,2-Dichloropropane
Concen: 5.112 ug/L
RT: 9.37 min Scan# 1224
Delta R.T. 0.00 min
Lab File: VW015130.D
Acq: 25 Mar 2020 10:03

Tgt Ion: 63 Resp: 56505
Ion Ratio Lower Upper
63 100
112 4.2 2.9 4.3





#41

Bromodichloromethane

Concen: 5.057 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW015130.D

Acq: 25 Mar 2020 10:03

Instrument :

MSVOA_W

ClientSampleId :

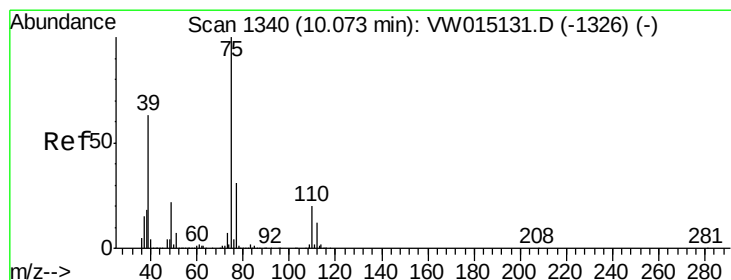
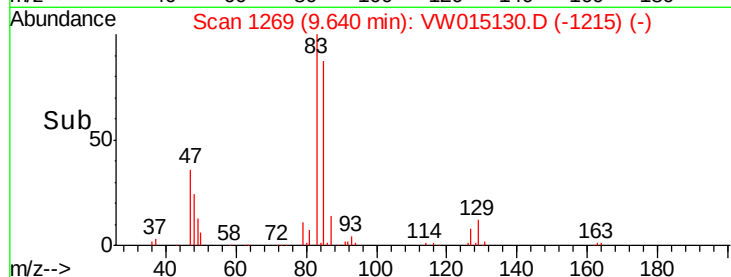
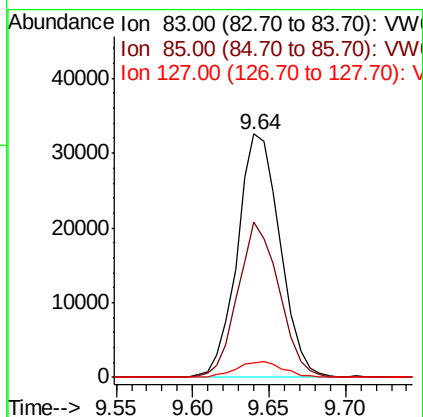
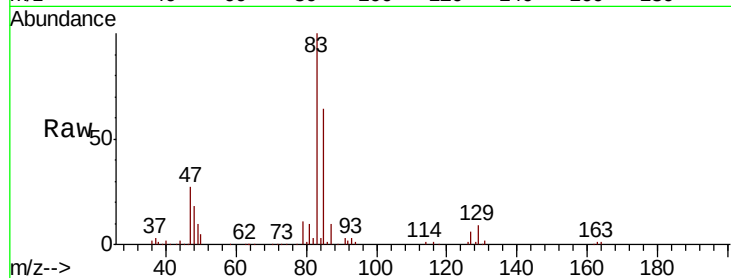
Tot Ion: 83 Resp: 63076

Ion Ratio Lower Upper

83 100

85 63.5 44.1 81.9

127 6.1 5.5 8.3



#42

cis-1,3-Dichloropropene

Concen: 4.662 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW015130.D

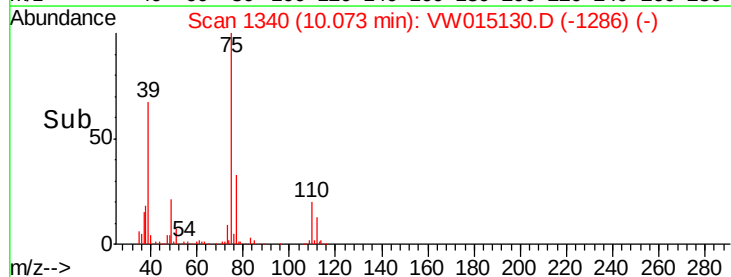
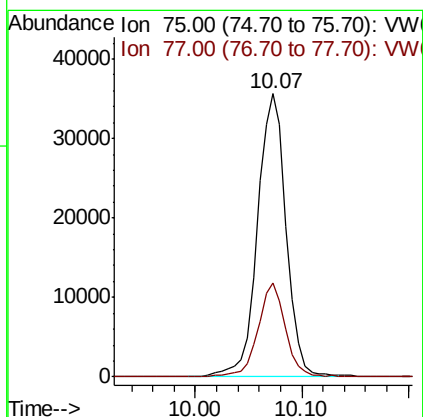
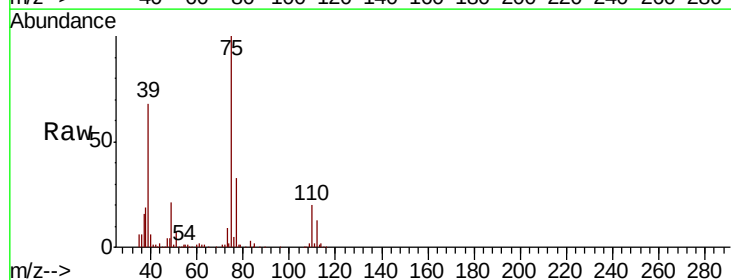
Acq: 25 Mar 2020 10:03

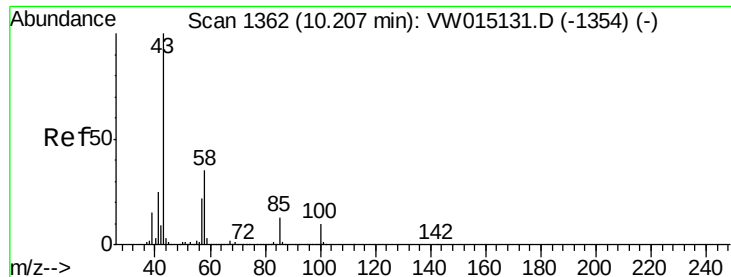
Tgt Ion: 75 Resp: 67102

Ion Ratio Lower Upper

75 100

77 33.1 21.4 39.8

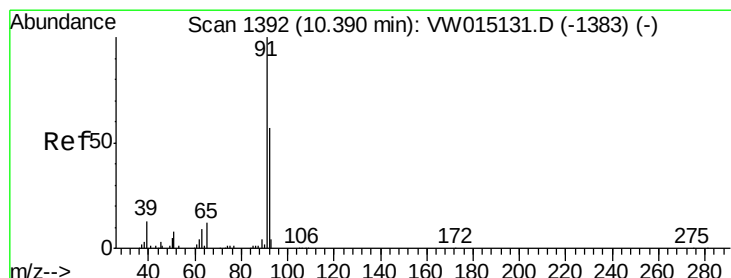
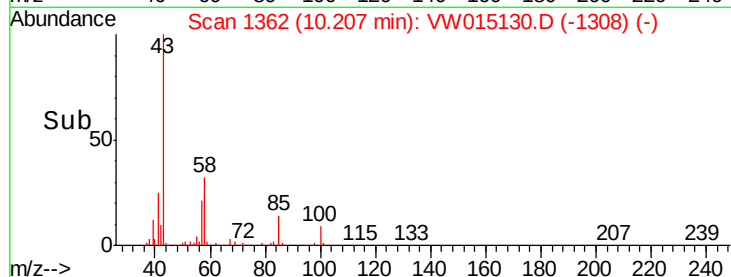
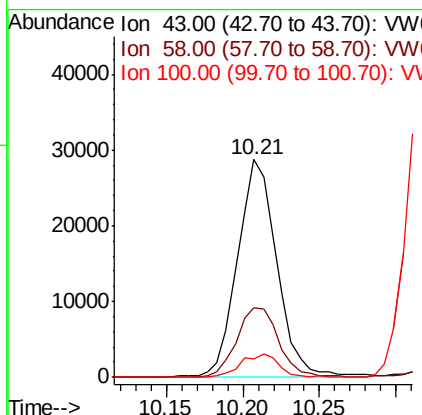
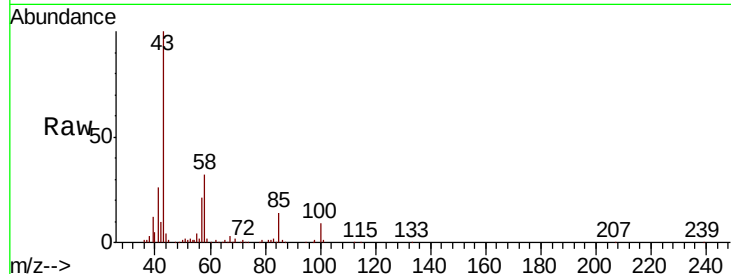




#43
4-Methyl-2-pentanone
Concen: 8.213 ug/L
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW015130.D
Acq: 25 Mar 2020 10:03

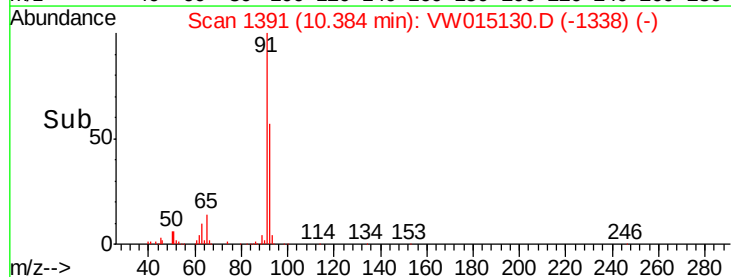
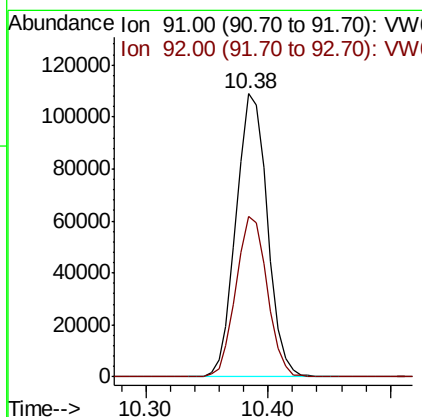
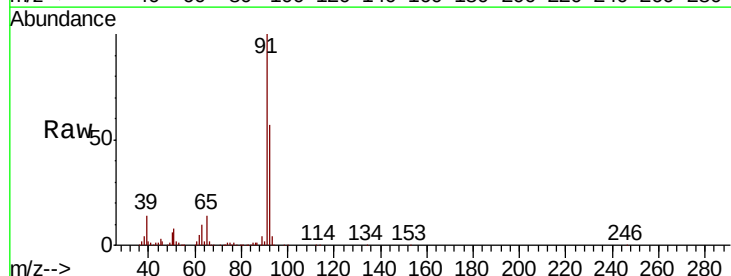
Instrument :
MSVOA_W
ClientSampleId :

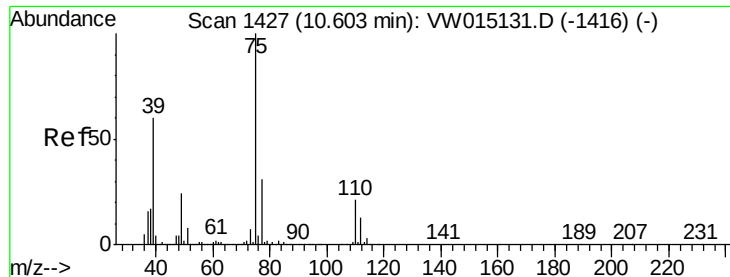
Tot Ion: 43 Resp: 50992
Ion Ratio Lower Upper
43 100
58 34.6 27.9 41.9
100 10.7 8.9 13.3



#44
Toluene
Concen: 4.997 ug/L
RT: 10.38 min Scan# 1391
Delta R.T. -0.01 min
Lab File: VW015130.D
Acq: 25 Mar 2020 10:03

Tgt Ion: 91 Resp: 193682
Ion Ratio Lower Upper
91 100
92 56.6 40.2 74.6





#45

trans-1,3-Dichloropropene

Concen: 4.901 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW015130.D

Acq: 25 Mar 2020 10:03

Instrument :

MSVOA_W

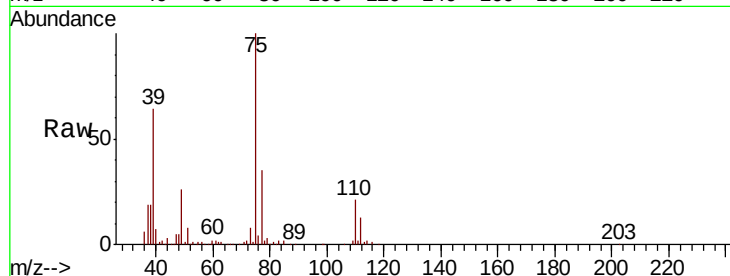
ClientSampled :

Tot Ion: 75 Resp: 58077

Ion Ratio Lower Upper

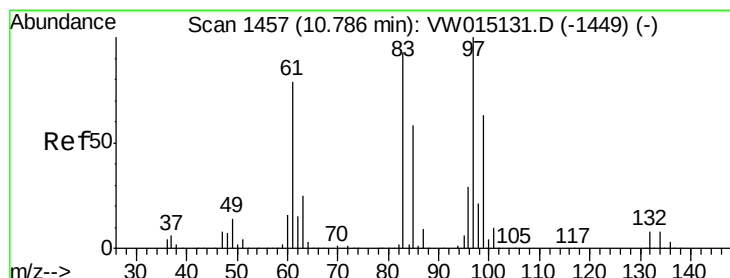
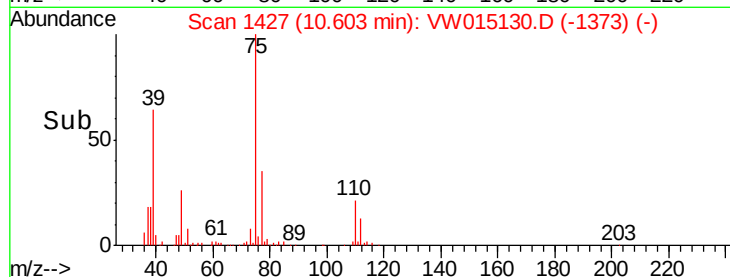
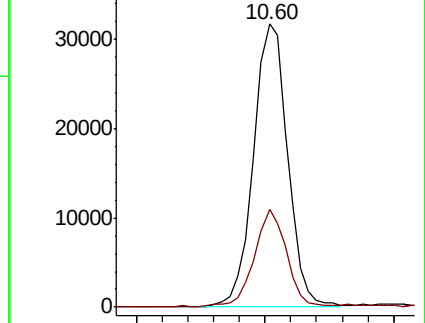
75 100

77 34.5 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#46

1,1,2-Trichloroethane

Concen: 4.962 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW015130.D

Acq: 25 Mar 2020 10:03

Tgt Ion: 97 Resp: 31260

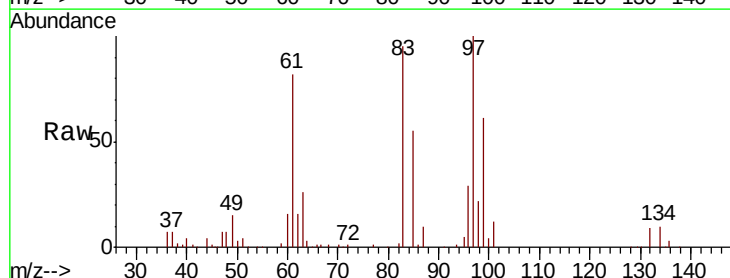
Ion Ratio Lower Upper

97 100

83 95.5 64.8 120.4

85 54.6 40.9 75.9

99 61.2 43.8 81.4

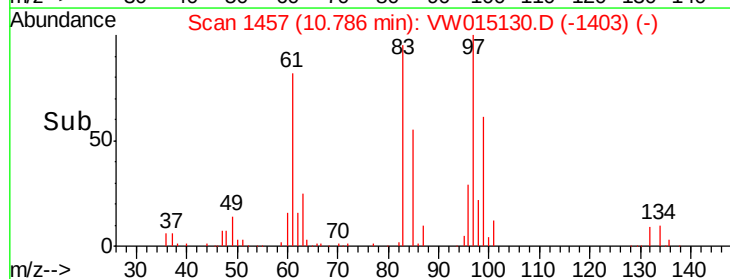
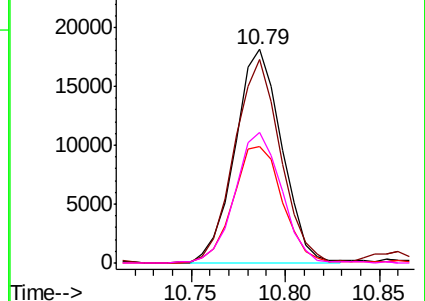


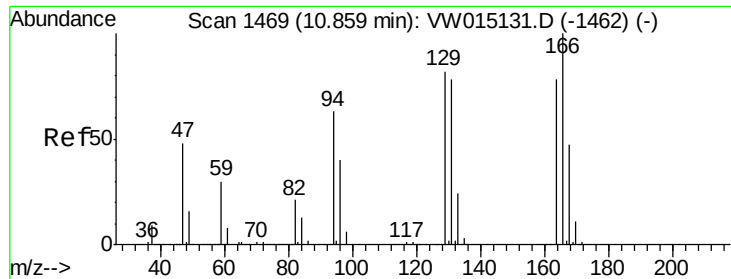
Abundance Ion 97.00 (96.70 to 97.70): VW

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: 5.087 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VW015130.D

Acq: 25 Mar 2020 10:03

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:164 Resp: 31731

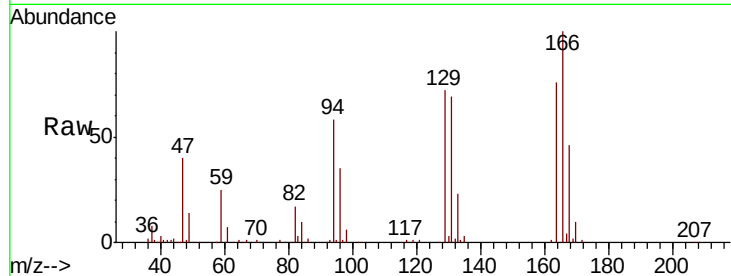
Ion Ratio Lower Upper

164 100

129 95.4 73.2 136.0

131 91.7 69.4 128.8

166 132.3 89.5 166.3

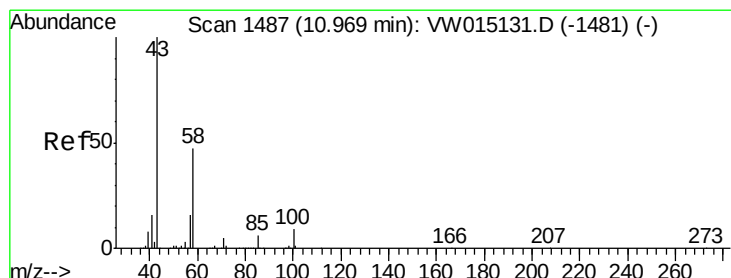
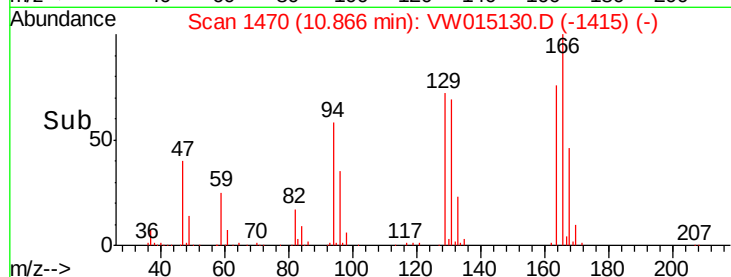
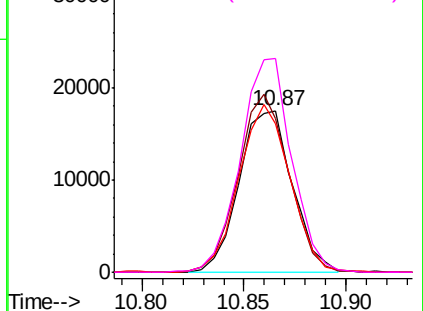


Abundance Ion 164.00 (163.70 to 164.70): V

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: 7.310 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW015130.D

Acq: 25 Mar 2020 10:03

Tgt Ion: 43 Resp: 32410

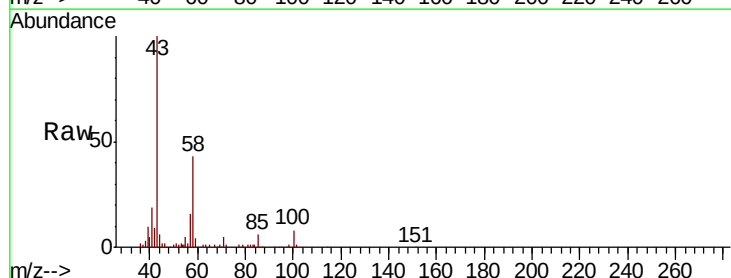
Ion Ratio Lower Upper

43 100

58 49.1 38.5 57.7

57 17.6 12.9 19.3

100 9.8 6.9 10.3

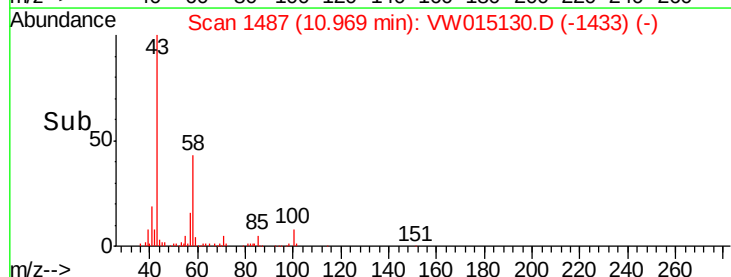
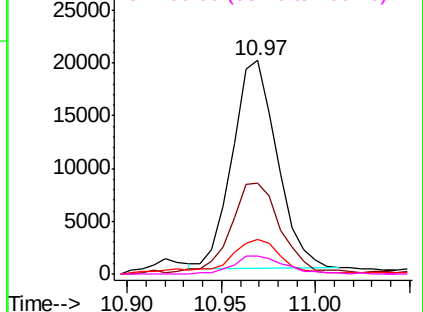


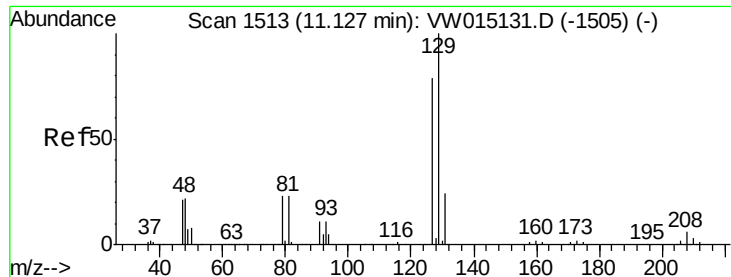
Abundance Ion 43.00 (42.70 to 43.70): VW

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: 4.768 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW015130.D

Acq: 25 Mar 2020 10:03

Instrument :

MSVOA_W

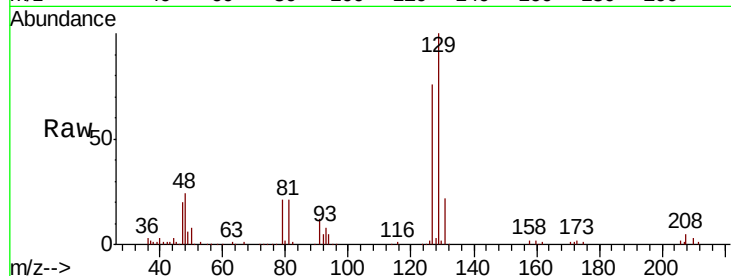
ClientSampleId :

Tot Ion:129 Resp: 31752

Ion Ratio Lower Upper

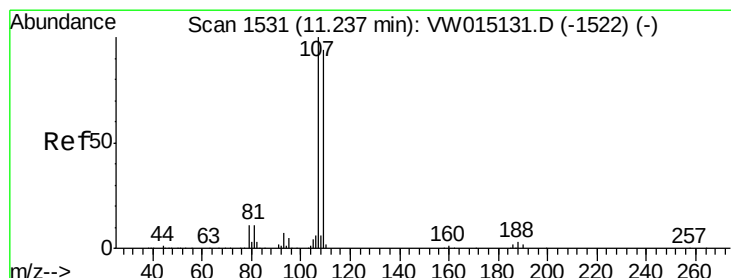
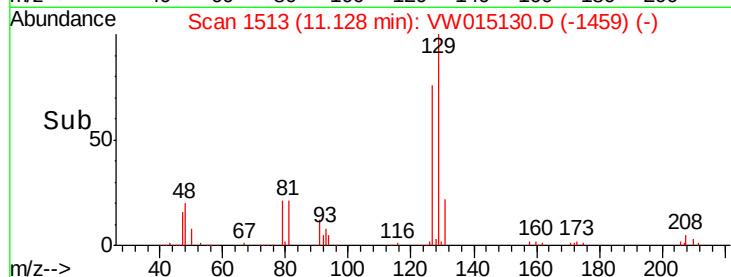
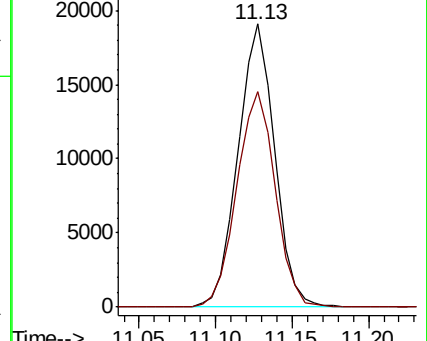
129 100

127 76.1 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: 4.897 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW015130.D

Acq: 25 Mar 2020 10:03

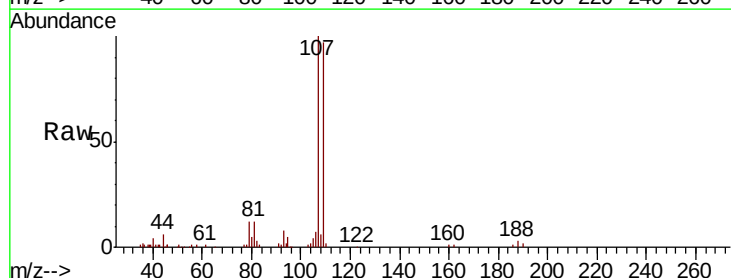
Tgt Ion:107 Resp: 26920

Ion Ratio Lower Upper

107 100

109 97.5 65.9 122.5

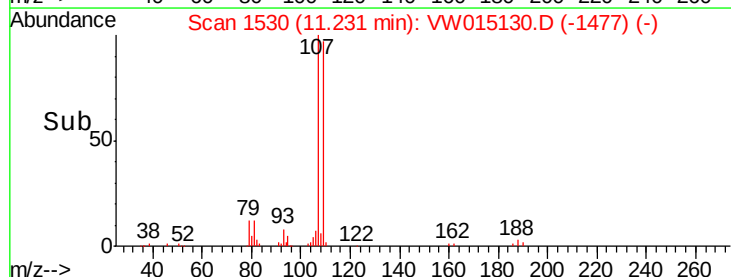
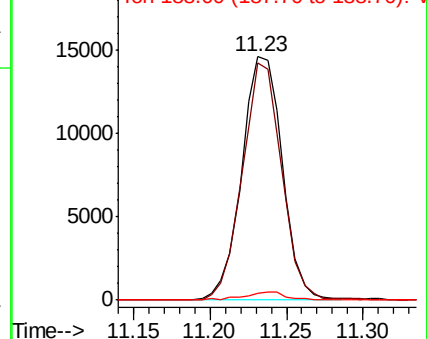
188 2.9 2.3 3.5

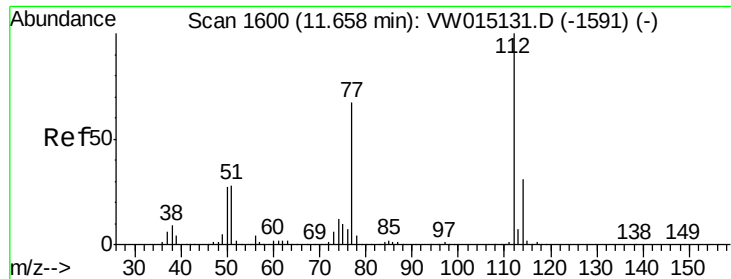


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V

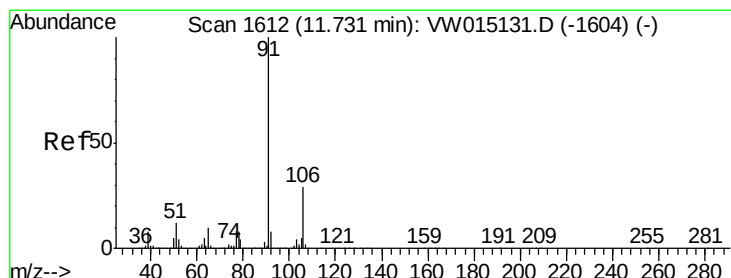
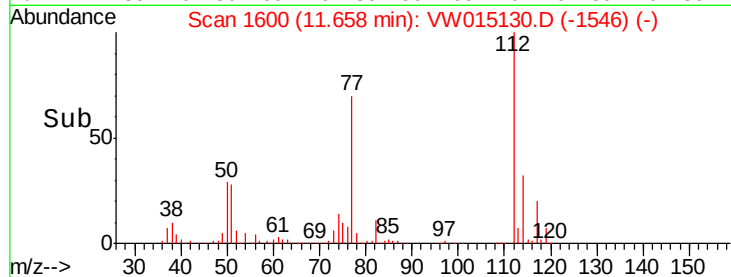
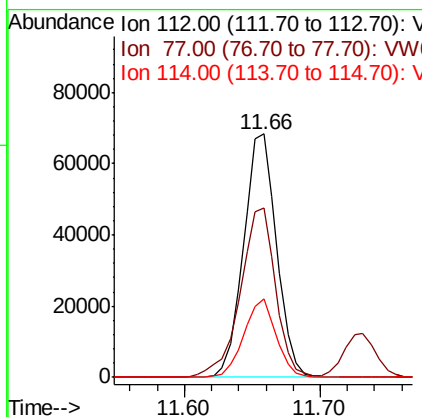
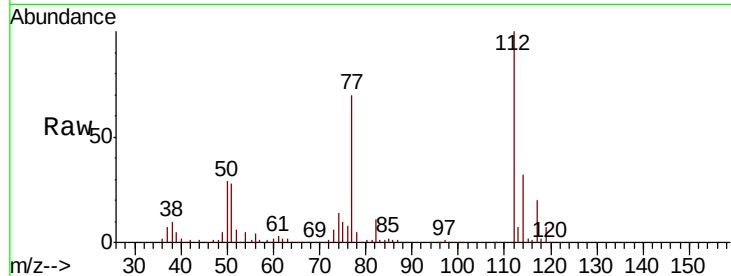




#52
Chlorobenzene
Concen: 5.082 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW015130.D
Acq: 25 Mar 2020 10:03

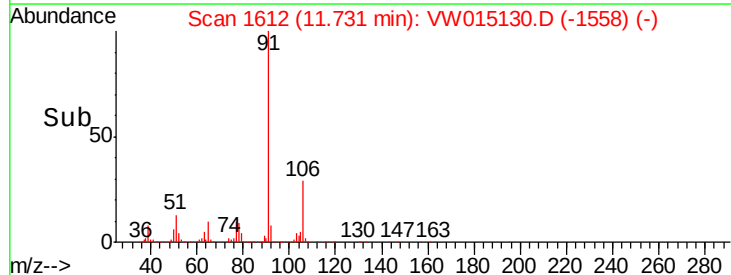
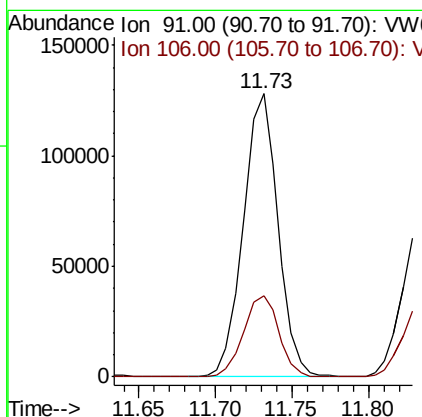
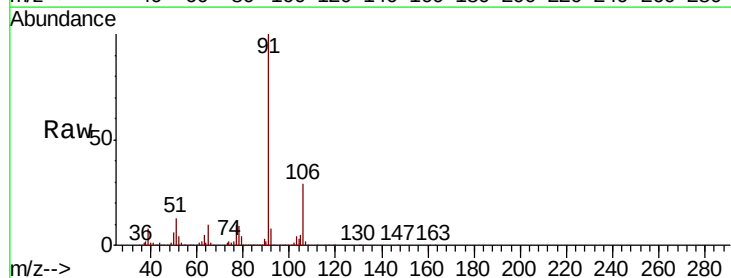
Instrument :
MSVOA_W
ClientSampleId :

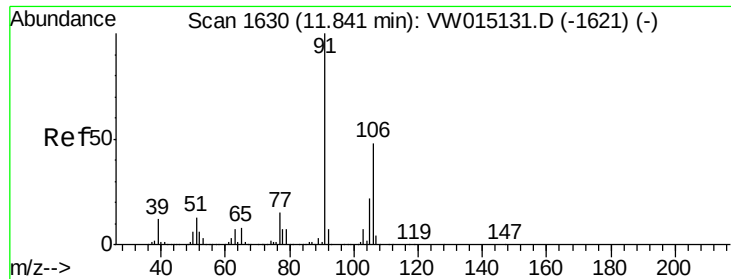
Tot Ion: 112 Resp: 116157
Ion Ratio Lower Upper
112 100
77 69.6 53.5 80.3
114 32.4 22.0 40.8



#53
Ethylbenzene
Concen: 4.759 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015130.D
Acq: 25 Mar 2020 10:03

Tgt Ion: 91 Resp: 201992
Ion Ratio Lower Upper
91 100
106 28.8 20.6 38.2





#54

m,p-Xylene

Concen: 4.745 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW015130.D

Acq: 25 Mar 2020 10:03

Instrument :

MSVOA_W

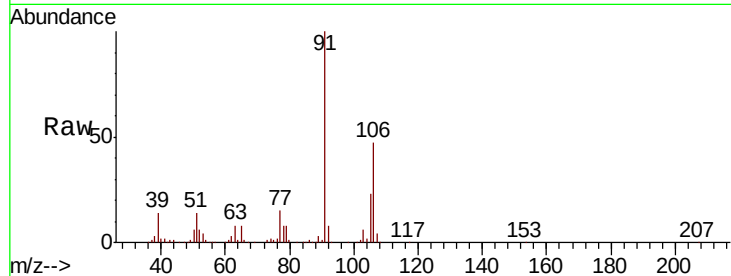
ClientSampled :

Tot Ion:106 Resp: 70356

Ion Ratio Lower Upper

106 100

91 212.6 147.3 273.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

150000

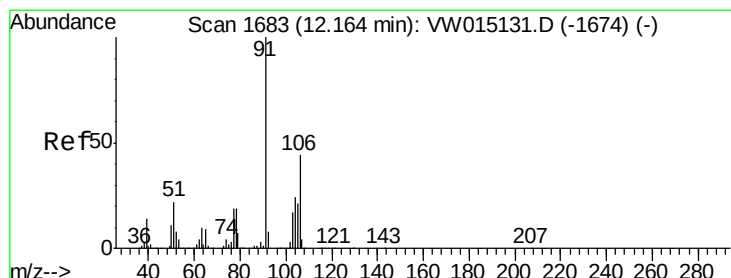
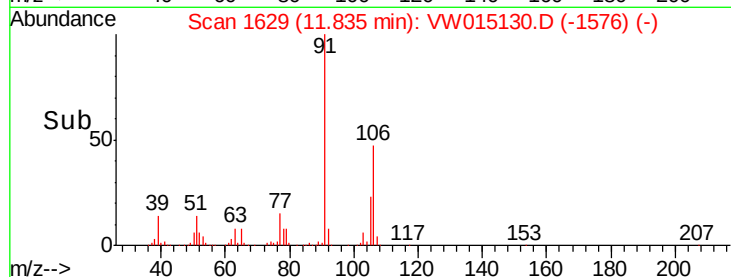
100000

50000

0

11.80 11.83 11.90

Time-->



#55

o-xylene

Concen: 4.637 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW015130.D

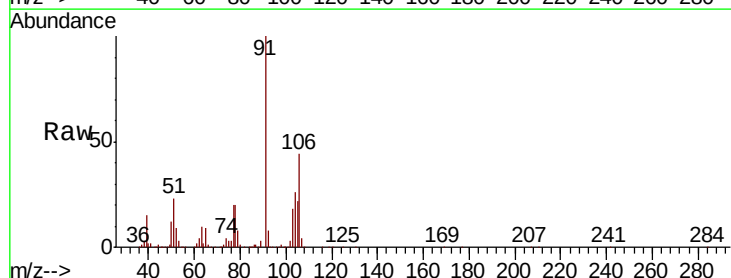
Acq: 25 Mar 2020 10:03

Tgt Ion:106 Resp: 64274

Ion Ratio Lower Upper

106 100

91 229.5 158.6 294.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

100000

80000

60000

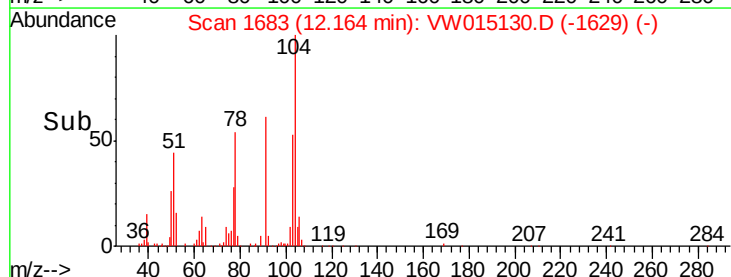
40000

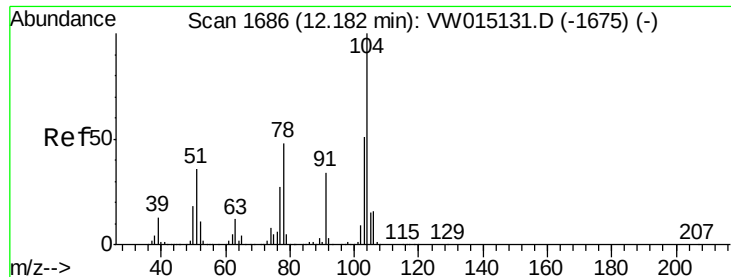
20000

0

12.10 12.15 12.20

Time-->





#56

Stvrene

Concen: 4.483 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VW015130.D

Acq: 25 Mar 2020 10:03

Instrument :

MSVOA_W

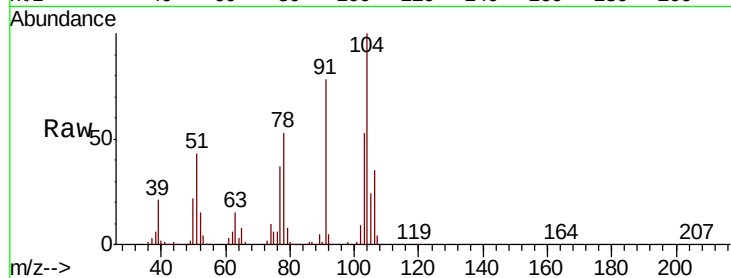
ClientSampleId :

Tot Ion:104 Resp: 106165

Ion Ratio Lower Upper

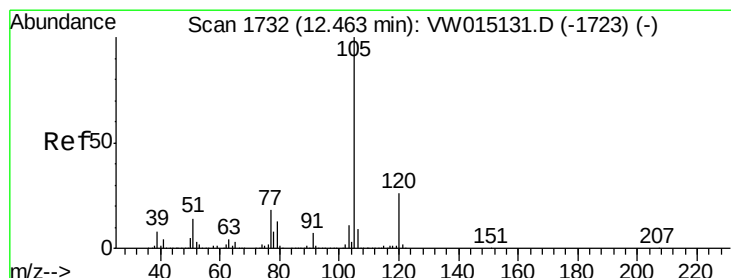
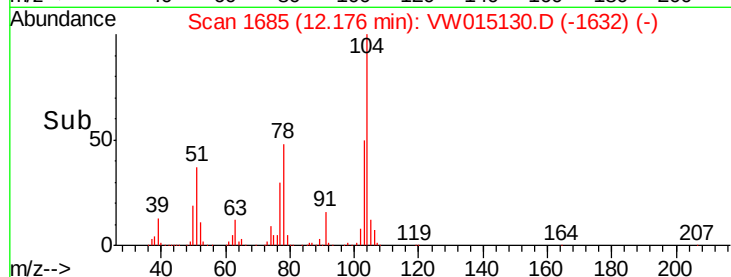
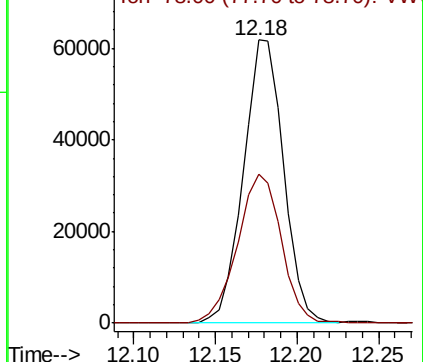
104 100

78 52.7 33.9 63.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V



#57

Isopropylbenzene

Concen: 4.777 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW015130.D

Acq: 25 Mar 2020 10:03

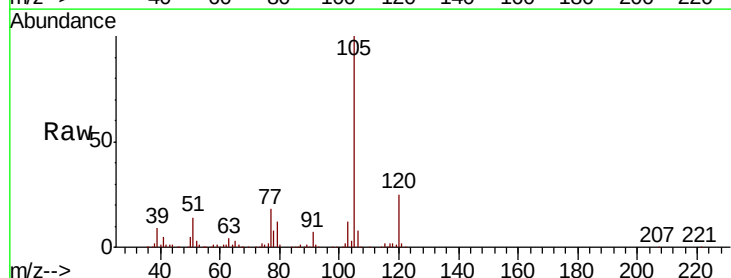
Tgt Ion:105 Resp: 180457

Ion Ratio Lower Upper

105 100

120 24.2 20.0 30.0

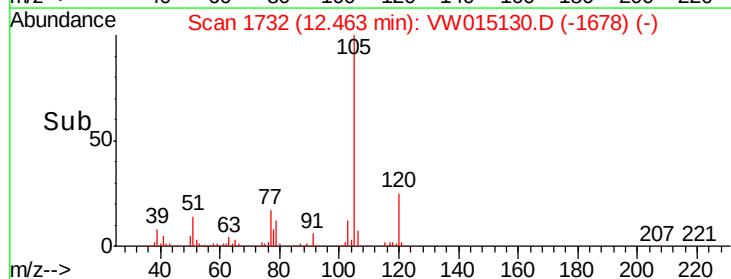
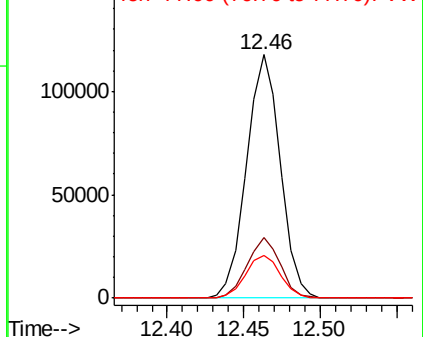
77 18.2 14.5 21.7

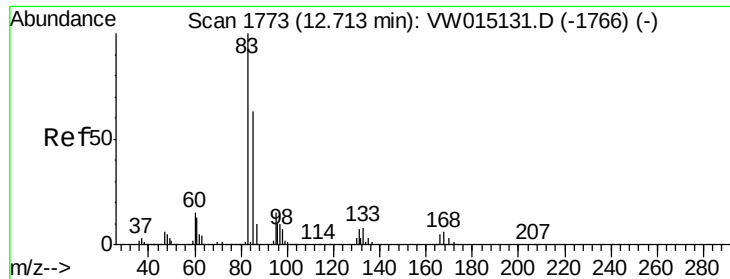


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V





#58

1,1,2,2-Tetrachloroethane

Concen: 4.827 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015130.D

Acq: 25 Mar 2020 10:03

Instrument :

MSVOA_W

ClientSampled :

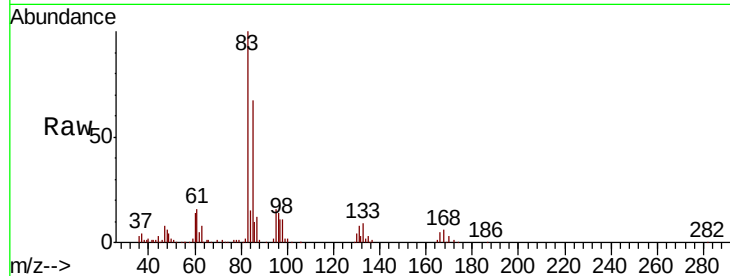
Tot Ion: 83 Resp: 38419

Ion	Ratio	Lower	Upper
83	100		
85	67.4	44.1	81.9
131	8.5	5.9	8.9

83 100

85 67.4 44.1 81.9

131 8.5 5.9 8.9

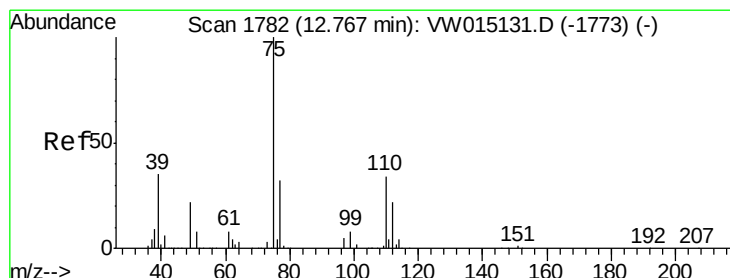
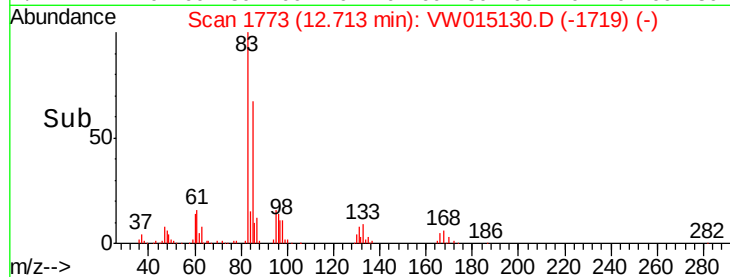
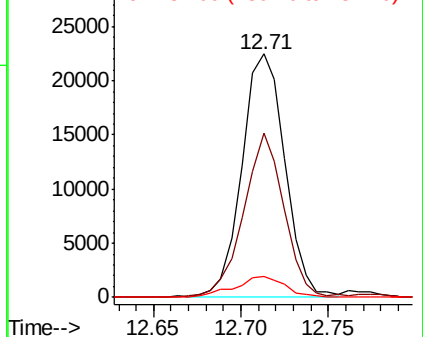


Abundance

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: 4.654 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW015130.D

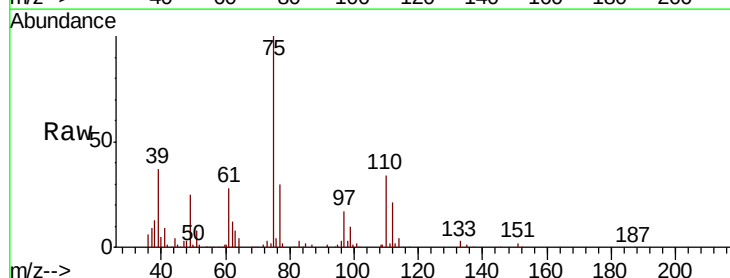
Acq: 25 Mar 2020 10:03

Tgt Ion: 75 Resp: 28400

Ion	Ratio	Lower	Upper
75	100		
77	33.8	25.8	38.6

75 100

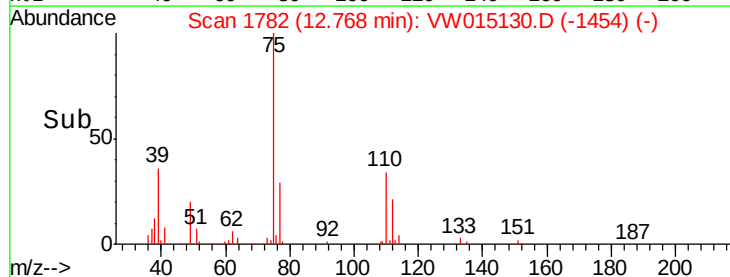
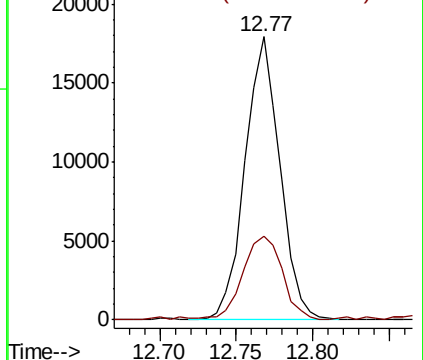
77 33.8 25.8 38.6

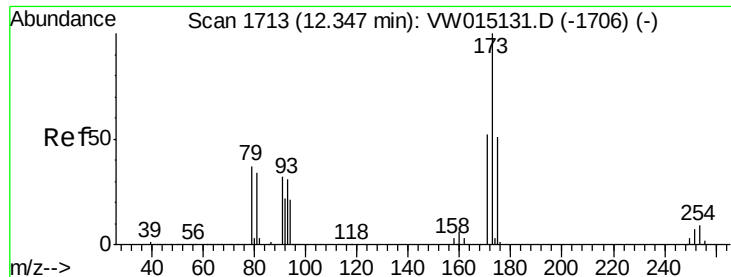


Abundance

Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#62

Bromoform

Concen: 4.863 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW015130.D

Acq: 25 Mar 2020 10:03

Instrument :

MSVOA_W

ClientSampleId :

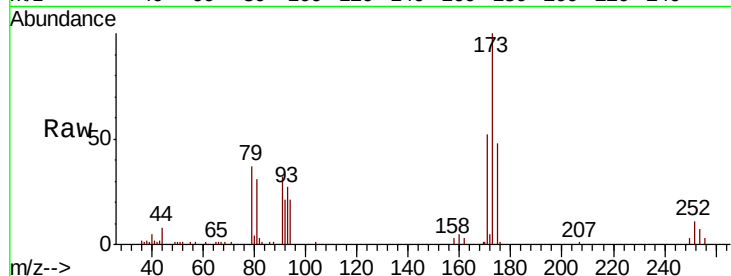
Tot Ion:173 Resp: 15506

Ion Ratio Lower Upper

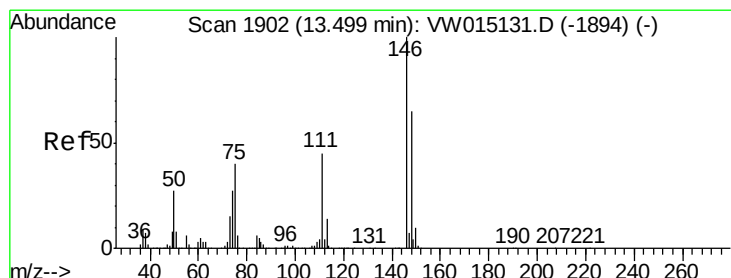
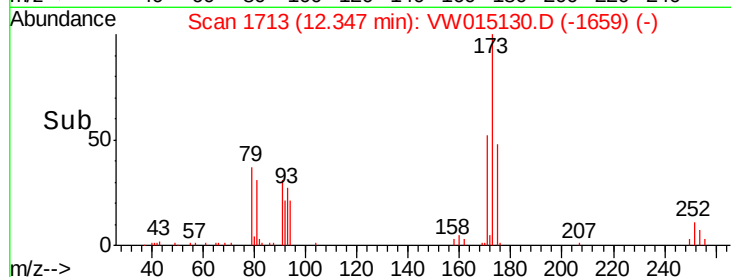
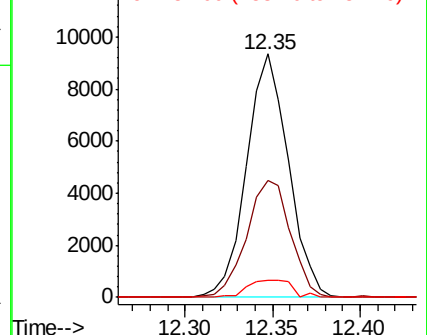
173 100

175 50.3 38.0 57.0

254 7.2 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: 5.106 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW015130.D

Acq: 25 Mar 2020 10:03

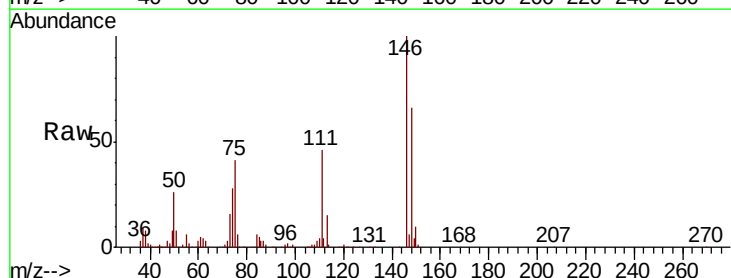
Tgt Ion:146 Resp: 74726

Ion Ratio Lower Upper

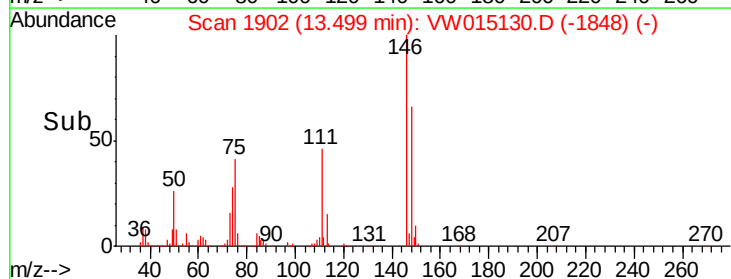
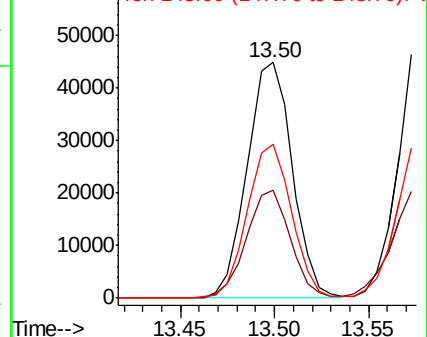
146 100

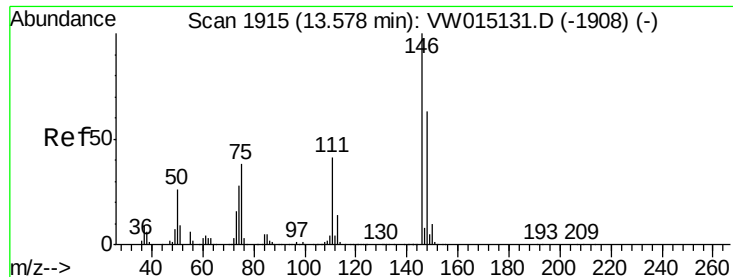
111 45.5 31.9 59.2

148 65.6 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

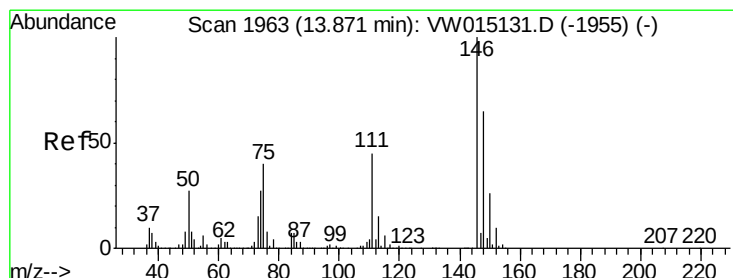
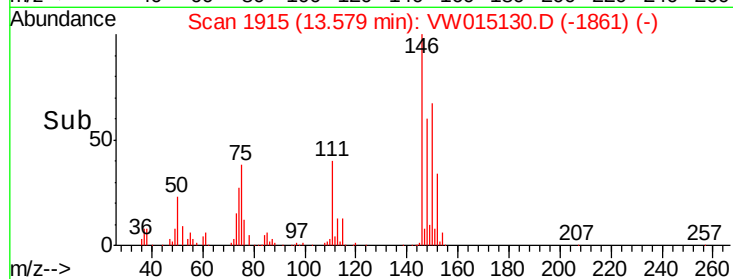
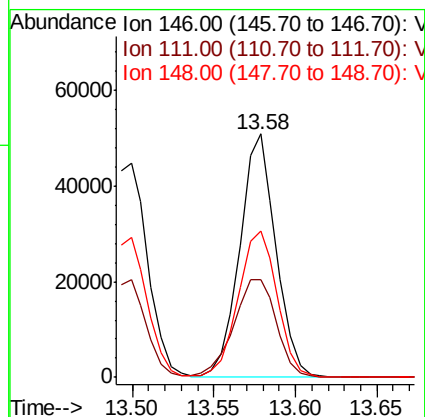
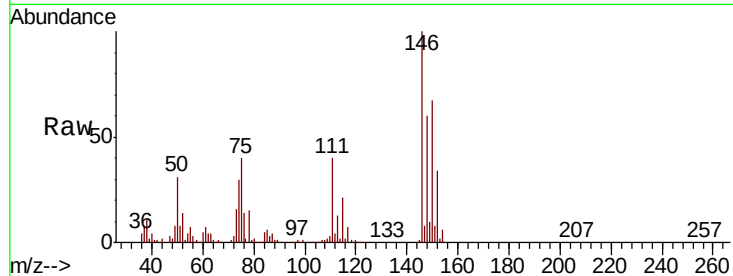




#64
 1,4-Dichlorobenzene
 Concen: 5.185 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015130.D
 Acq: 25 Mar 2020 10:03

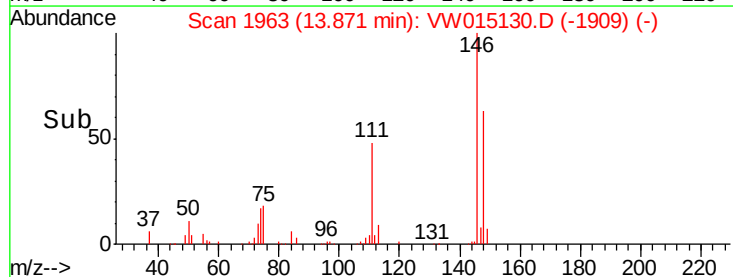
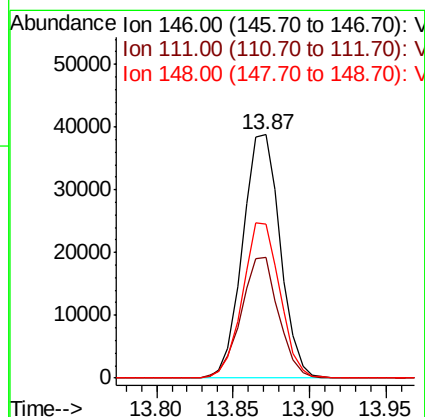
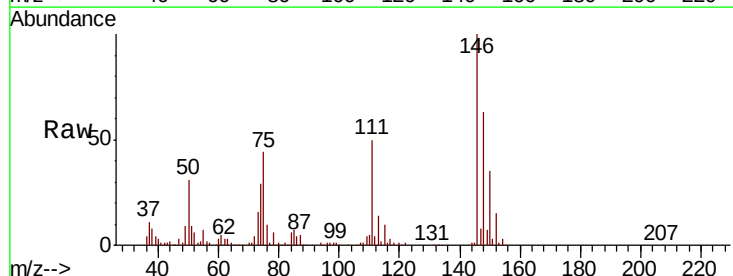
Instrument :
 MSVOA_W
 ClientSampleId :

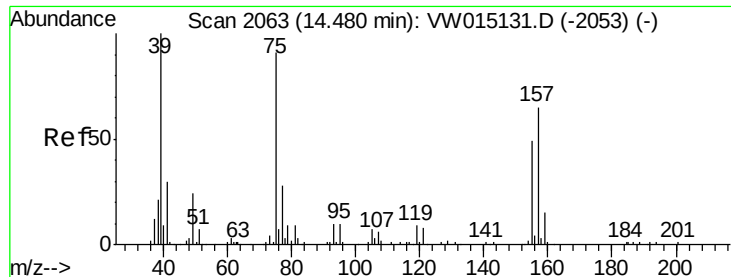
Tot Ion:146 Resp: 78384
 Ion Ratio Lower Upper
 146 100
 111 39.9 28.8 53.4
 148 60.1 44.0 81.6



#65
 1,2-Dichlorobenzene
 Concen: 4.975 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW015130.D
 Acq: 25 Mar 2020 10:03

Tgt Ion:146 Resp: 66189
 Ion Ratio Lower Upper
 146 100
 111 49.7 35.8 53.8
 148 63.1 52.3 78.5





#66

1,2-Dibromo-3-chloropropane

Concen: 5.285 ug/L

RT: 14.48 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VW015130.D

Acq: 25 Mar 2020 10:03

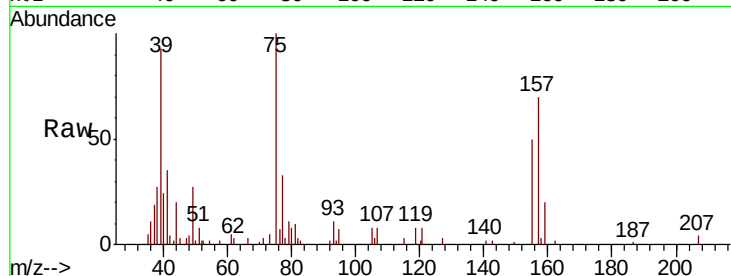
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 75 Resp: 6266

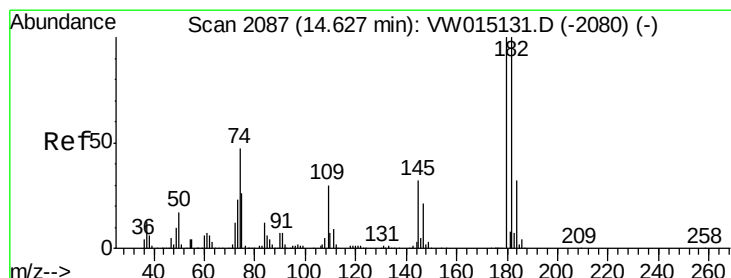
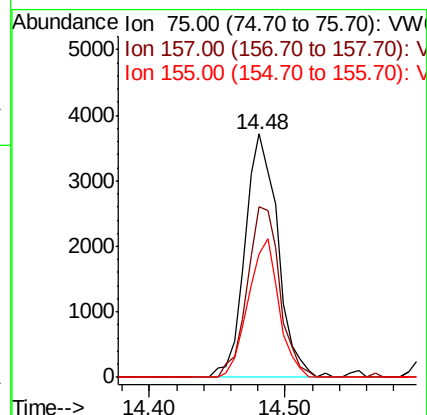
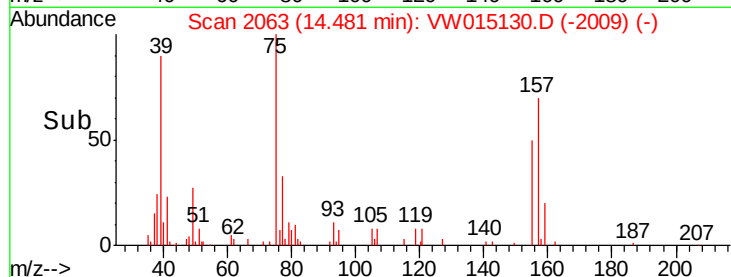
Ion	Ratio	Lower	Upper
75	100		
157	70.2	57.3	85.9
155	50.4	43.2	64.8



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V



#67

1,3,5-Trichlorobenzene

Concen: 4.893 ug/L

RT: 14.63 min Scan# 2087

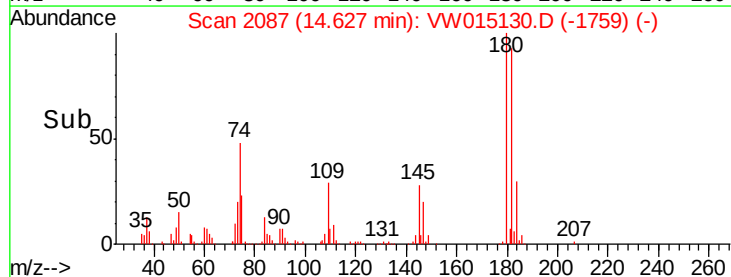
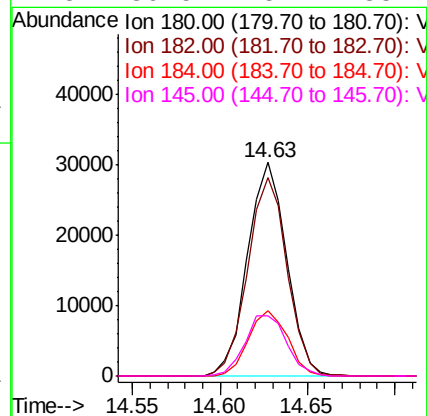
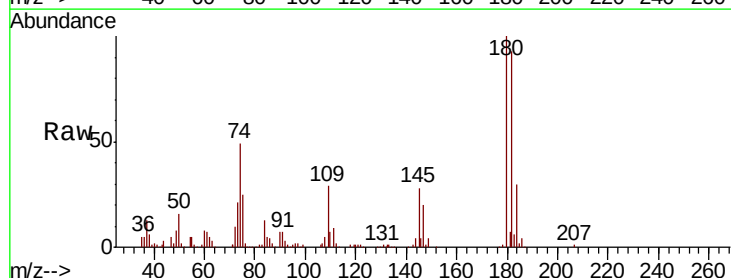
Delta R.T. 0.00 min

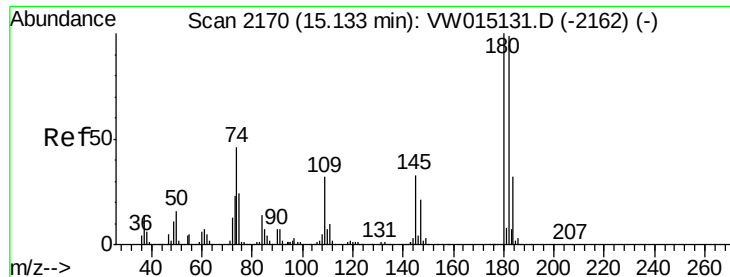
Lab File: VW015130.D

Acq: 25 Mar 2020 10:03

Tgt Ion: 180 Resp: 47447

Ion	Ratio	Lower	Upper
180	100		
182	93.3	77.0	115.6
184	30.7	24.0	36.0
145	30.5	25.4	38.2

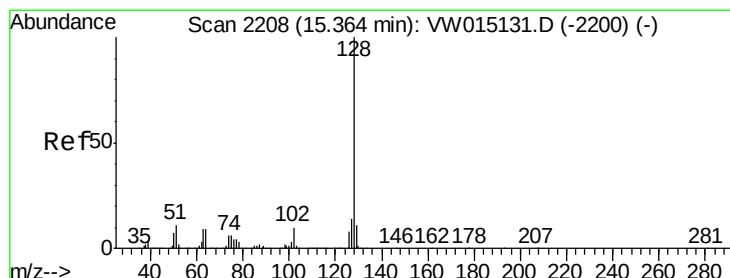
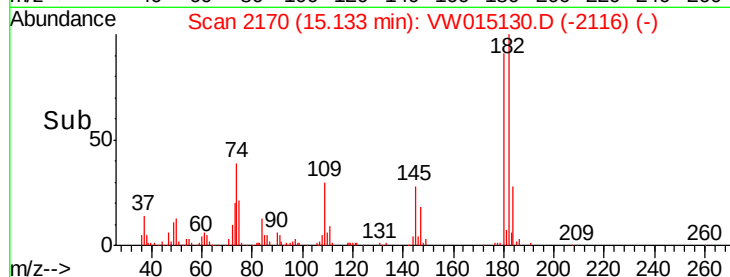
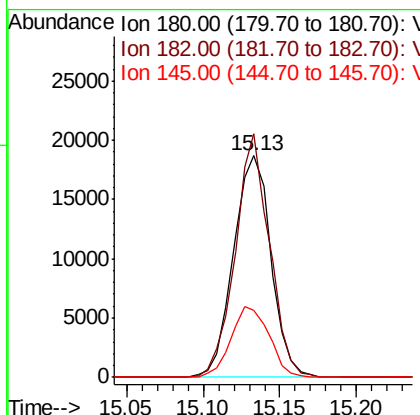
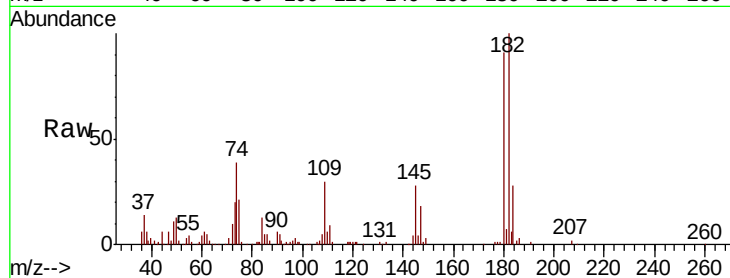




#68
 1,2,4-trichlorobenzene
 Concen: 4.442 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015130.D
 Acq: 25 Mar 2020 10:03

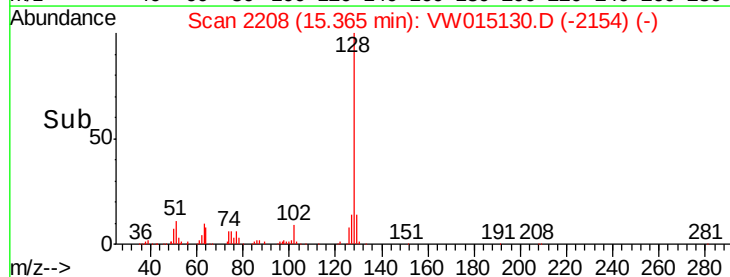
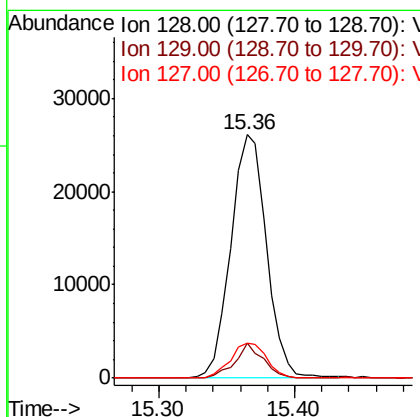
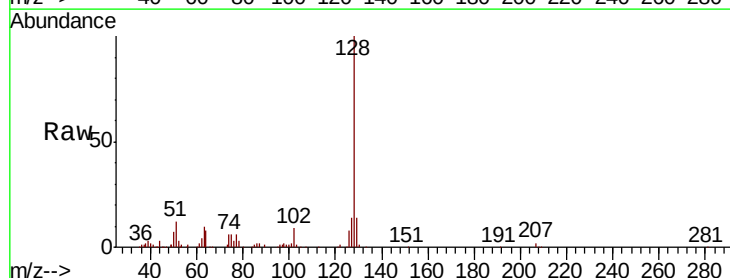
Instrument :
 MSVOA_W
 ClientSampleId :

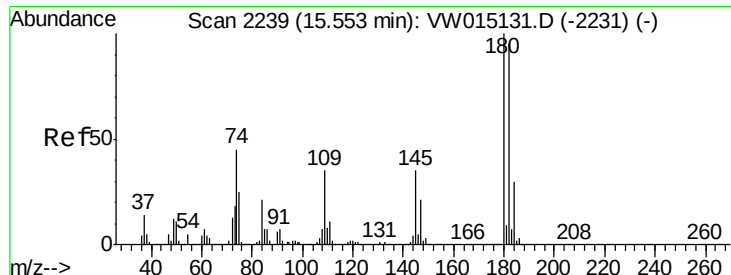
Tot Ion	Ratio	Lower	Upper
180	100		
182	100.2	75.8	113.6
145	32.5	25.8	38.6



#69
 Naphthalene
 Concen: 5.916 ug/L
 RT: 15.36 min Scan# 2208
 Delta R.T. 0.00 min
 Lab File: VW015130.D
 Acq: 25 Mar 2020 10:03

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.9	13.3
127	14.4	11.0	16.4

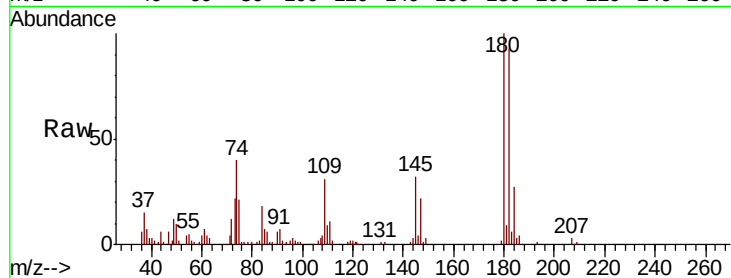




#70
 1,2,3-Trichlorobenzene
 Concen: 4.592 ug/L
 RT: 15.55 min Scan# 2239
 Delta R.T. 0.00 min
 Lab File: VW015130.D
 Acq: 25 Mar 2020 10:03

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	75.9	113.9
145	33.3	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

