

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW041420\
 Data File : VW015191.D
 Acq On : 14 Apr 2020 14:08
 Operator : SY/VA
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 15 01:40:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041420S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 15 01:38:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1056349	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	917132	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	405781	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	265572	27.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	110.56%
7) Chloroethane-d5	2.89	69	213484	26.36	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	105.44%
10) 1,1-Dichloroethene-d2	4.02	63	575165	23.66	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.64%
20) 2-Butanone-d5	7.07	46	140520	45.45	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.90%
24) Chloroform-d	7.65	84	572039	24.23	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.92%
26) 1,2-Dichloroethane-d4	8.31	65	276120	23.81	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.24%
29) Benzene-d6	8.27	84	1222672	24.68	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.72%
33) 1,2-Dichloropropane-d6	9.27	67	364765	24.47	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.88%
37) Toluene-d8	10.32	98	1135085	24.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.64%
38) trans-1,3-Dichloropropene-	10.57	79	155192	23.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.40%
39) 2-Hexanone-d5	10.92	63	122564	46.08	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.16%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	252432	23.20	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	92.80%
61) 1,2-Dichlorobenzene-d4	13.85	152	356496	25.02	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.08%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	241529	22.412	ug/L 94
3) Chloromethane	2.21	50	300256	23.188	ug/L 100
5) Vinyl chloride	2.37	62	337179	26.735	ug/L 98
6) Bromomethane	2.78	94	187037	26.377	ug/L 99
8) Chloroethane	2.93	64	174828	24.303	ug/L 95
9) Trichlorofluoromethane	3.26	101	232989	23.161	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	319930	22.329	ug/L 100
12) 1,1-Dichloroethene	4.04	96	308846	22.227	ug/L 92
13) Acetone	4.12	43	83299	37.159	ug/L 92
14) Carbon disulfide	4.38	76	992537	22.752	ug/L 99
15) Methyl Acetate	4.67	43	111199	21.607	ug/L 97
16) Methylene chloride	4.92	84	312159	21.247	ug/L 99
17) Methyl tert-butyl Ether	5.42	73	410829	22.371	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	318736	22.368	ug/L 97
19) 1,1-Dichloroethane	6.21	63	550279	22.751	ug/L 96
21) 2-Butanone	7.16	43	143294	39.696	ug/L 99
22) cis-1,2-Dichloroethene	7.16	96	341681	22.956	ug/L 98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW041420\
 Data File : VW015191.D
 Acq On : 14 Apr 2020 14:08
 Operator : SY/VA
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 15 01:40:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041420S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 15 01:38:08 2020
 Response via : Initial Calibration

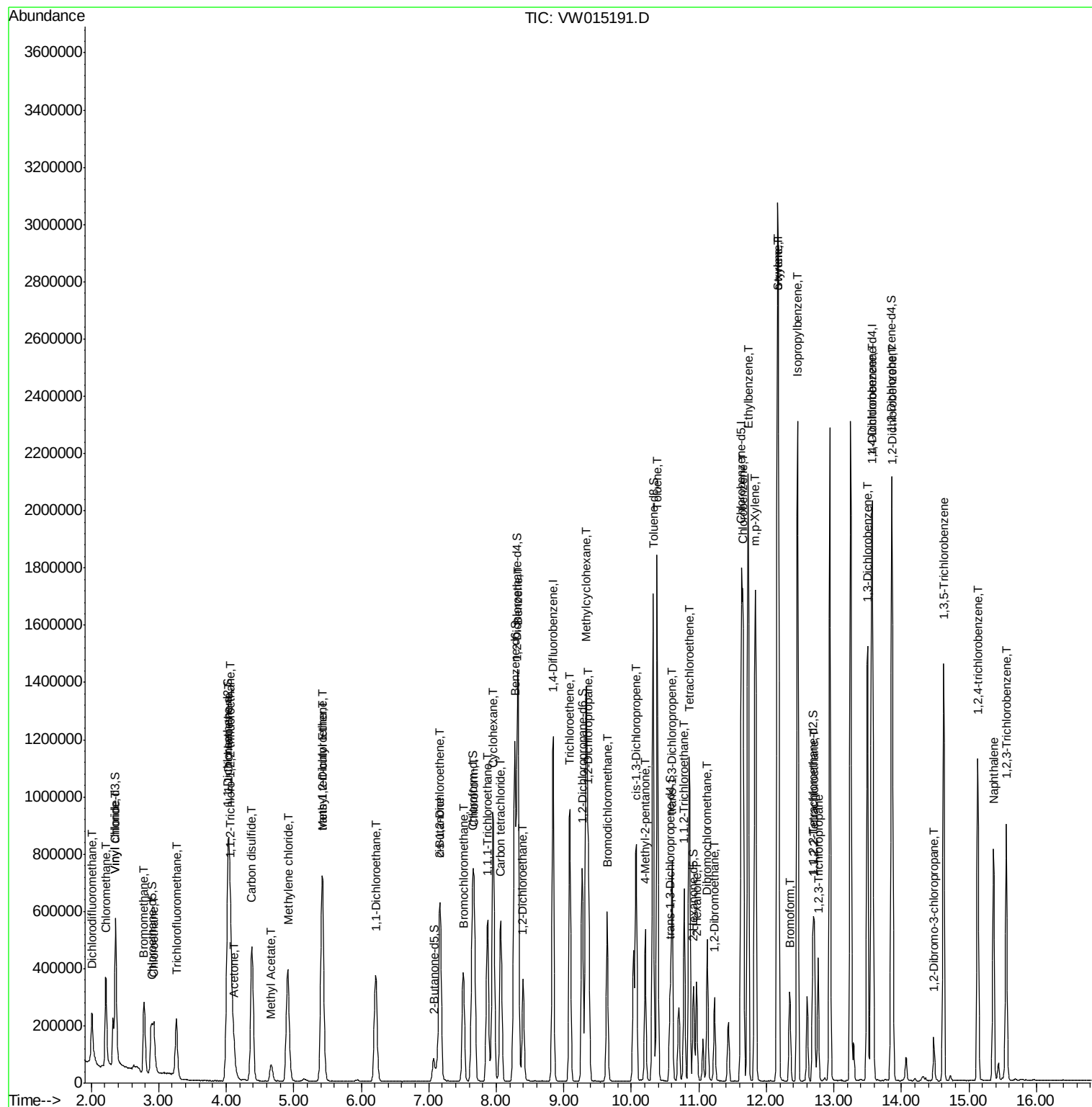
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	138763	22.403	ug/L	97
25) Chloroform	7.67	83	538634	22.883	ug/L	99
27) 1,2-Dichloroethane	8.40	62	320217	22.764	ug/L	100
30) Cyclohexane	7.95	56	558604	22.485	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	466329	22.925	ug/L	100
32) Carbon tetrachloride	8.07	117	418602	22.472	ug/L	99
34) Benzene	8.32	78	1286277	22.860	ug/L	100
35) Trichloroethene	9.09	95	331612	22.768	ug/L	99
36) Methylcyclohexane	9.34	83	595718	22.166	ug/L	100
40) 1,2-Dichloropropane	9.37	63	312985	22.939	ug/L	100
41) Bromodichloromethane	9.64	83	393812	23.121	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	493751	23.006	ug/L	95
43) 4-Methyl-2-pentanone	10.21	43	336735	42.642	ug/L	100
44) Toluene	10.38	91	1376279	23.043	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	413266	22.763	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	212315	21.990	ug/L	98
47) Tetrachloroethene	10.86	164	249709	22.575	ug/L	97
49) 2-Hexanone	10.97	43	222200	42.627	ug/L	99
50) Dibromochloromethane	11.13	129	256819	22.610	ug/L	100
51) 1,2-Dibromoethane	11.23	107	201999	22.263	ug/L	97
52) Chlorobenzene	11.66	112	847714	23.001	ug/L	99
53) Ethylbenzene	11.73	91	1530755	22.860	ug/L	99
54) m,p-Xylene	11.84	106	586673	22.757	ug/L	98
55) o-xylene	12.16	106	561984	22.767	ug/L	100
56) Styrene	12.18	104	943869	22.885	ug/L	99
57) Isopropylbenzene	12.46	105	1511954	22.800	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	242702	21.914	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	173685	21.319	ug/L	99
62) Bromoform	12.35	173	137788	21.955	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	627418	23.546	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	605758	23.251	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	550993	23.313	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.48	75	38664	21.589	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	425943	23.419	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	347630	23.240	ug/L	98
69) Naphthalene	15.36	128	690002	23.080	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	298751	23.352	ug/L	99

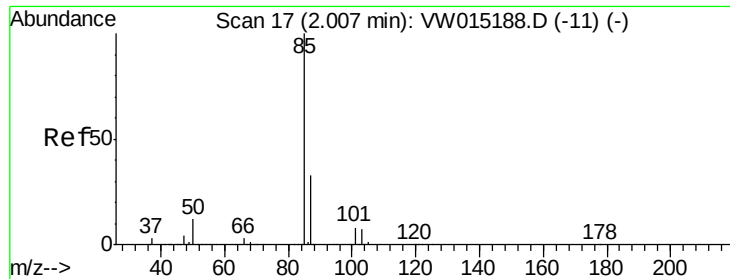
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041420\
Data File : VW015191.D
Acq On : 14 Apr 2020 14:08
Operator : SY/VA
Sample : VSTDICV025
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :

Quant Time: Apr 15 01:40:22 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041420S.M
Quant Title : VOC Analysis
QLast Update : Wed Apr 15 01:38:08 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 22.412 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW015191.D

Acq: 14 Apr 2020 14:08

Instrument :

MSVOA_W

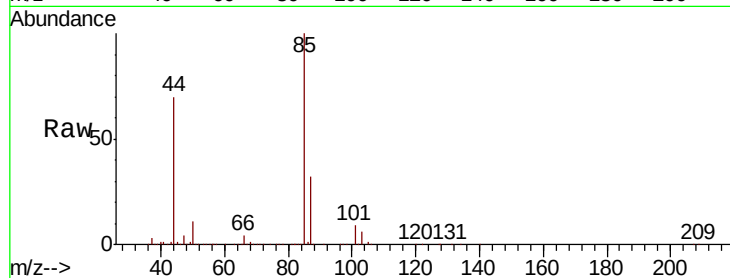
ClientSampleId :

Tot Ion: 85 Resp: 241529

Ion Ratio Lower Upper

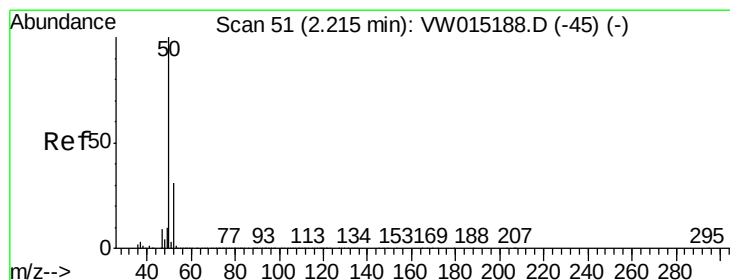
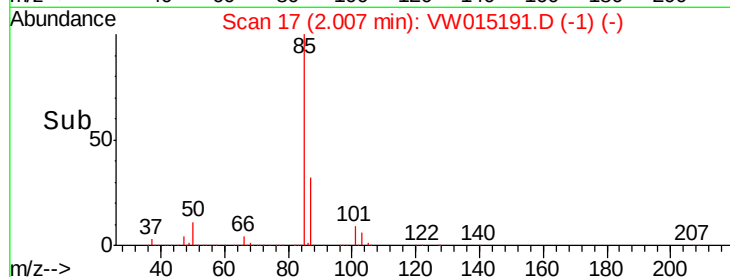
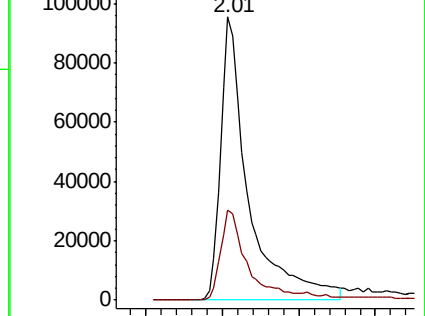
85 100

87 30.1 23.3 43.3



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 23.188 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW015191.D

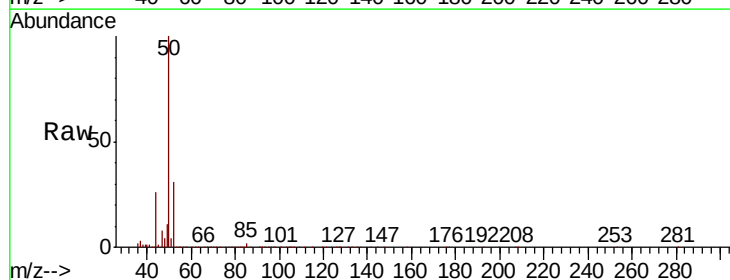
Acq: 14 Apr 2020 14:08

Tgt Ion: 50 Resp: 300256

Ion Ratio Lower Upper

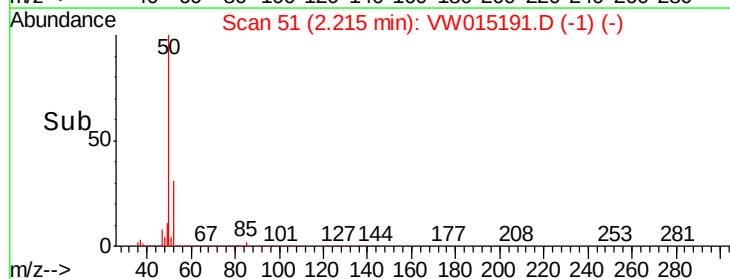
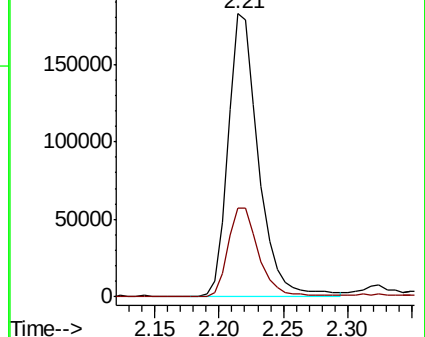
50 100

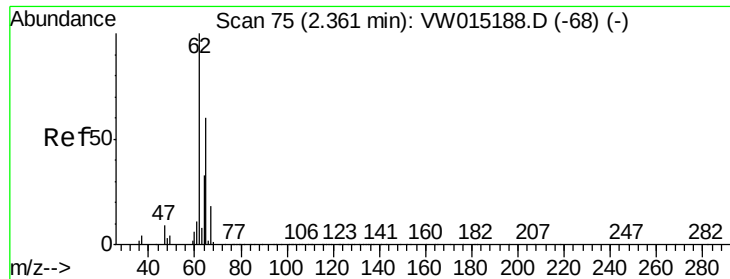
52 31.3 22.0 40.8



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 26.735 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.01 min

Lab File: VW015191.D

Acq: 14 Apr 2020 14:08

Instrument :

MSVOA_W

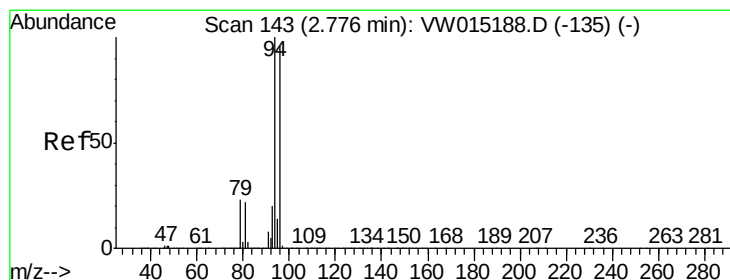
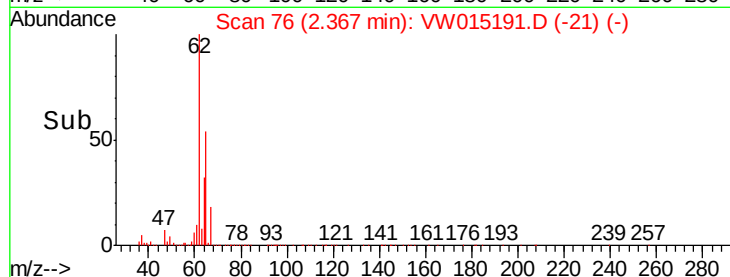
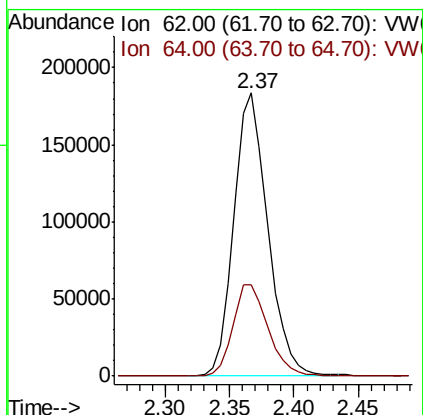
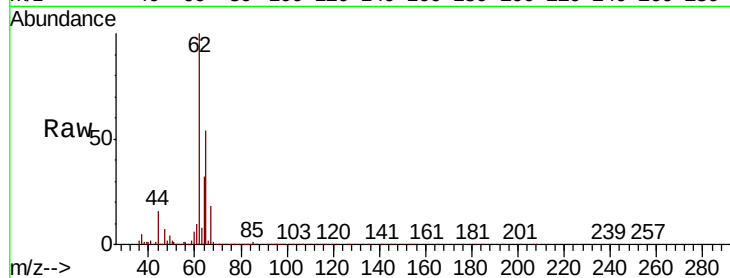
ClientSampled :

Tot Ion: 62 Resp: 337179

Ion Ratio Lower Upper

62 100

64 32.1 23.2 43.0



#6

Bromomethane

Concen: 26.377 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW015191.D

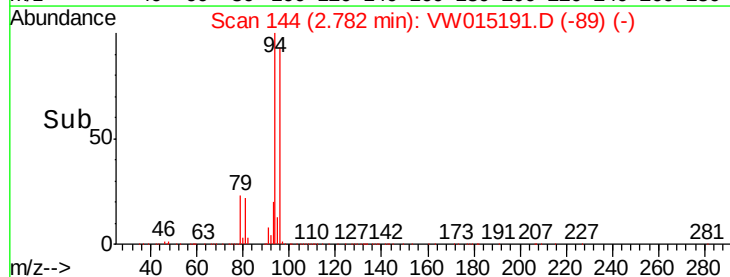
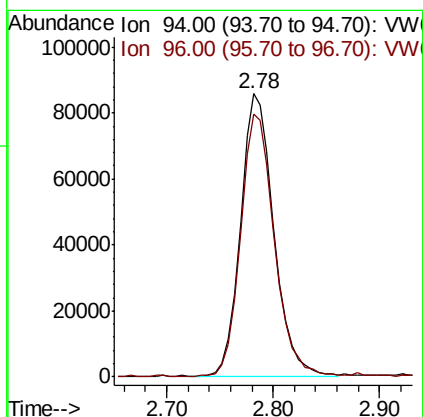
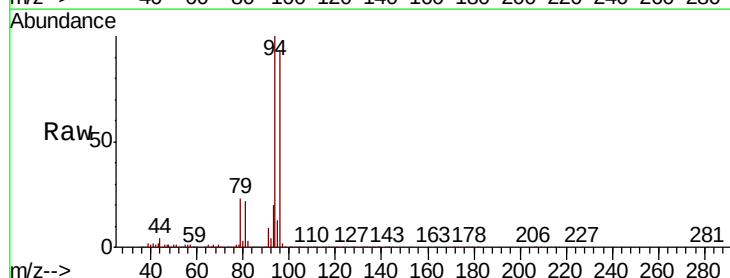
Acq: 14 Apr 2020 14:08

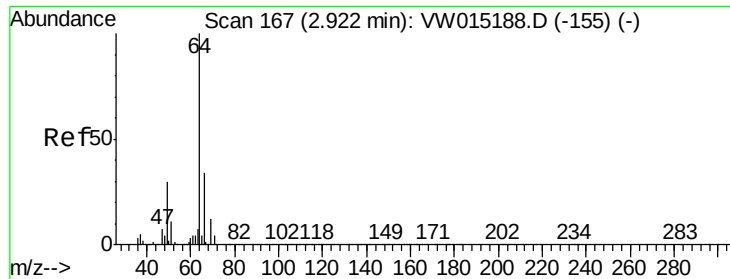
Tgt Ion: 94 Resp: 187037

Ion Ratio Lower Upper

94 100

96 94.1 9.3 176.5





#8

Chloroethane

Concen: 24.303 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW015191.D

Acq: 14 Apr 2020 14:08

Instrument :

MSVOA_W

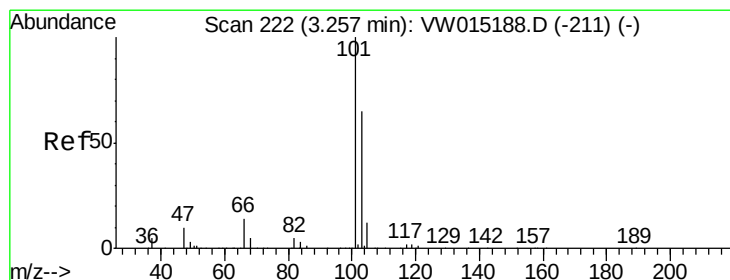
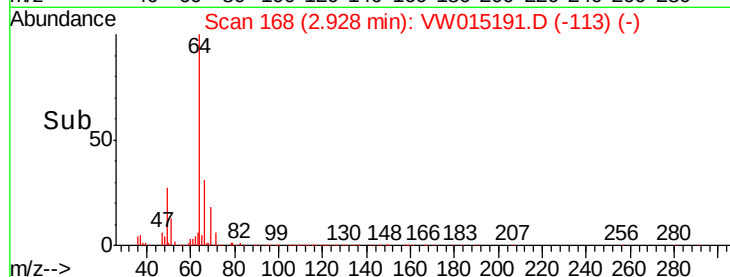
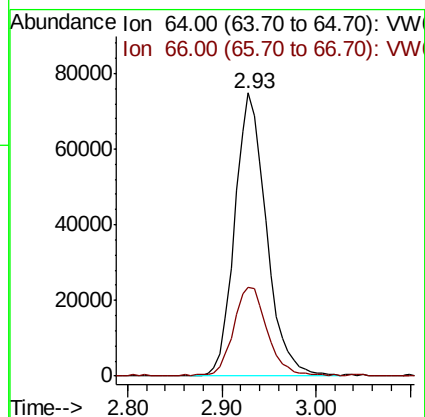
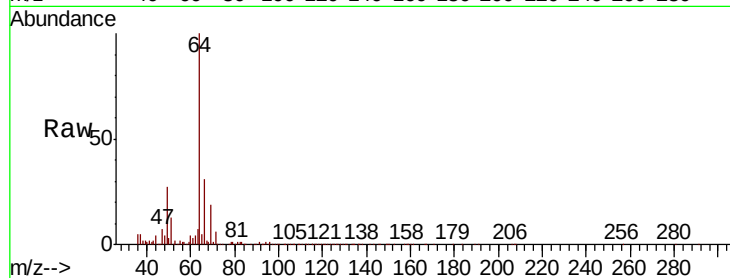
ClientSampleId :

Tot Ion: 64 Resp: 174828

Ion Ratio Lower Upper

64 100

66 31.3 23.9 44.3



#9

Trichlorofluoromethane

Concen: 23.161 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.01 min

Lab File: VW015191.D

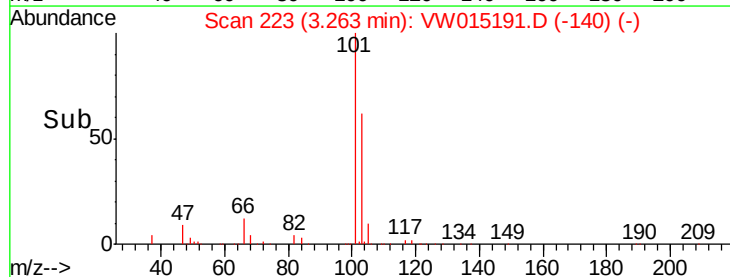
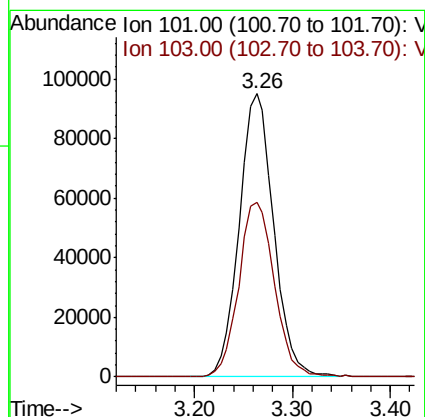
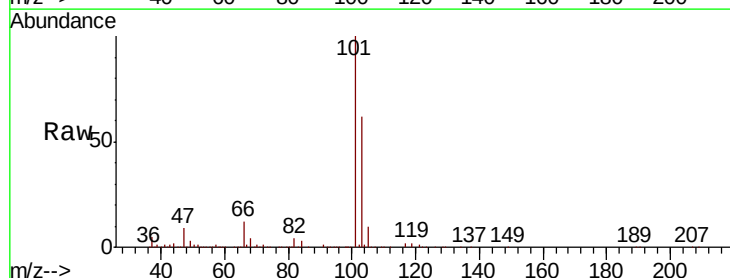
Acq: 14 Apr 2020 14:08

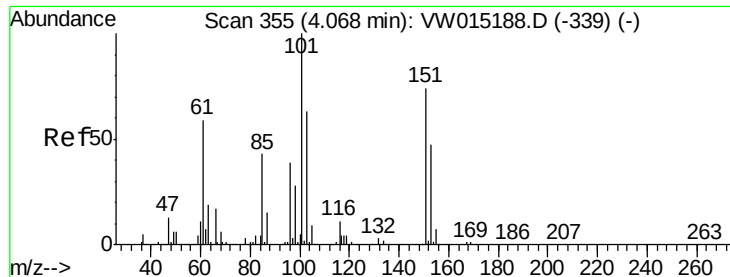
Tgt Ion: 101 Resp: 232989

Ion Ratio Lower Upper

101 100

103 63.9 45.3 84.1





#11

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

Concen: 22.329 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW015191.D

Acq: 14 Apr 2020 14:08

Instrument :

MSVOA_W

ClientSampled :

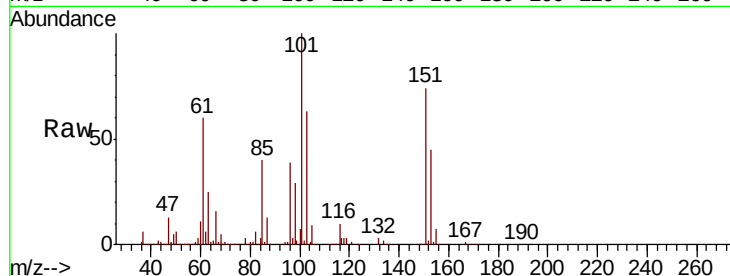
Tot Ion:101 Resp: 319930

Ion Ratio Lower Upper

101 100

85 41.9 33.5 50.3

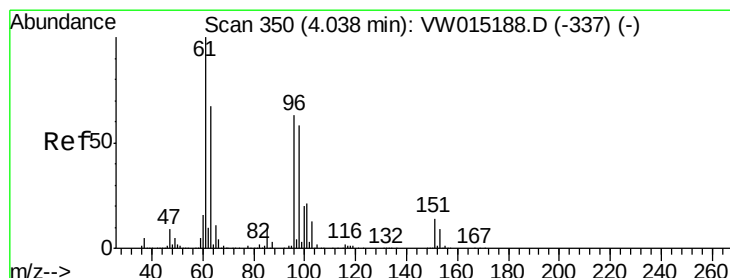
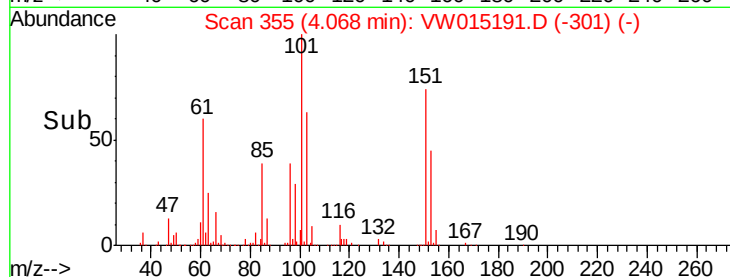
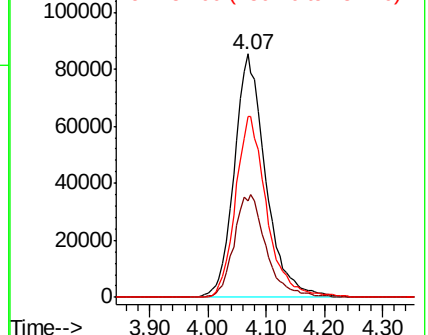
151 73.3 59.1 88.7



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: 22.227 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.01 min

Lab File: VW015191.D

Acq: 14 Apr 2020 14:08

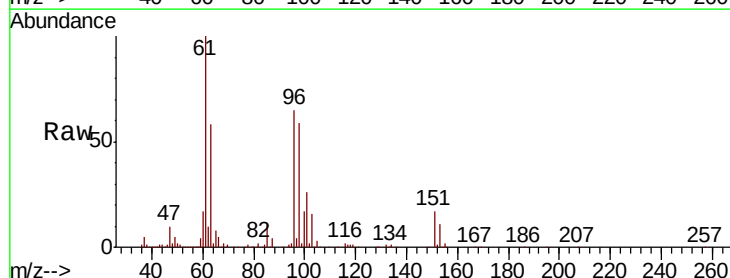
Tgt Ion: 96 Resp: 308846

Ion Ratio Lower Upper

96 100

61 154.3 111.0 206.2

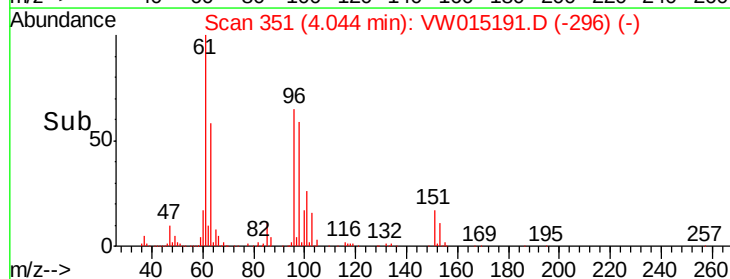
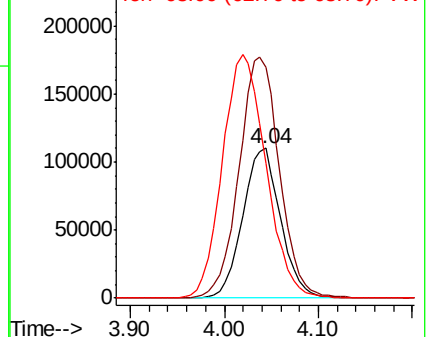
63 90.2 74.4 138.2

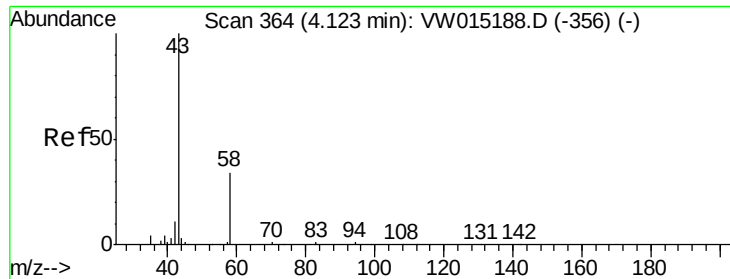


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 37.159 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW015191.D

Acq: 14 Apr 2020 14:08

Instrument :

MSVOA_W

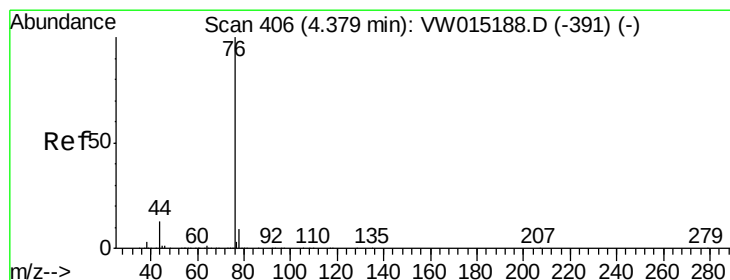
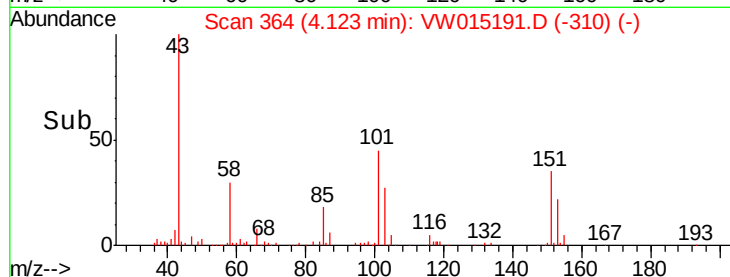
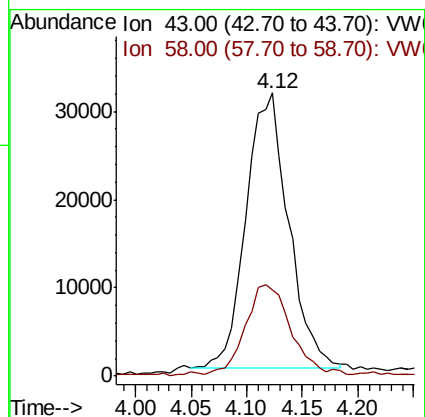
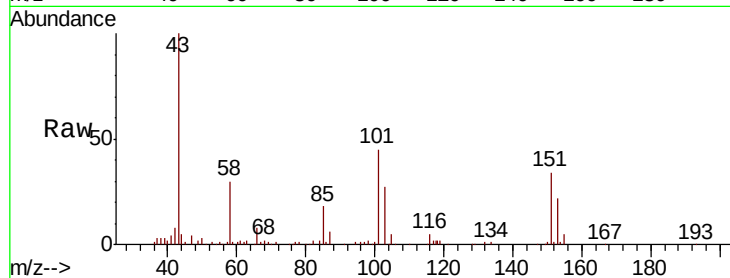
ClientSampled :

Tot Ion: 43 Resp: 83299

Ion Ratio Lower Upper

43 100

58 33.8 0.0 77.0



#14

Carbon disulfide

Concen: 22.752 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW015191.D

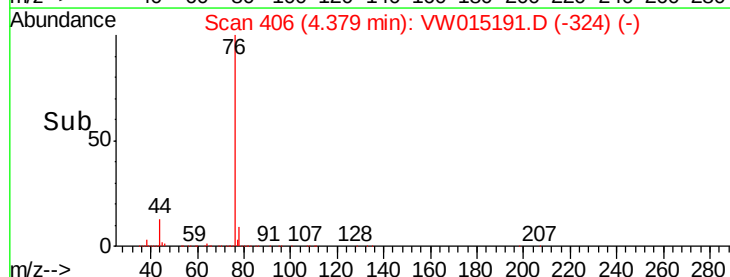
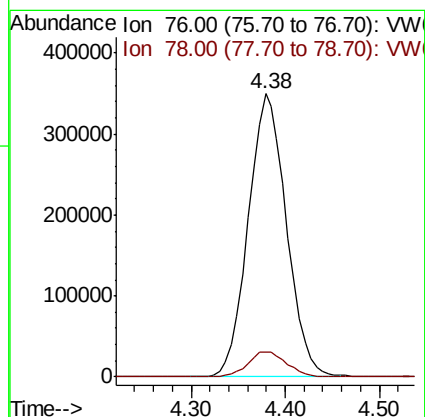
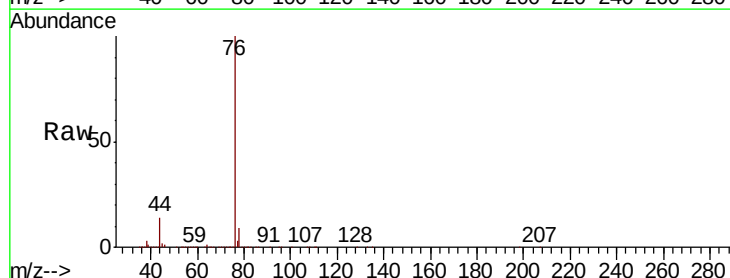
Acq: 14 Apr 2020 14:08

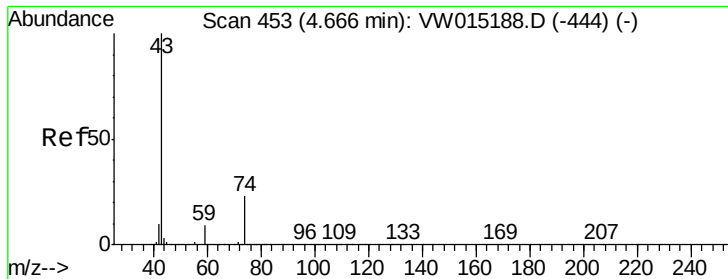
Tgt Ion: 76 Resp: 992537

Ion Ratio Lower Upper

76 100

78 8.6 7.1 10.7

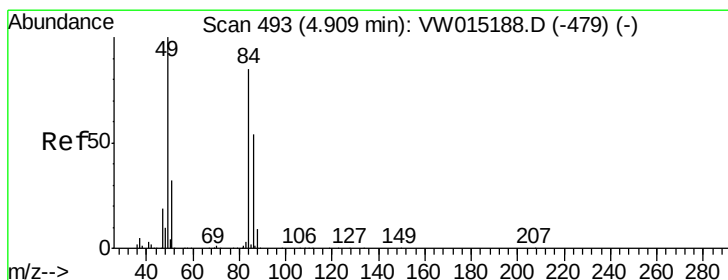
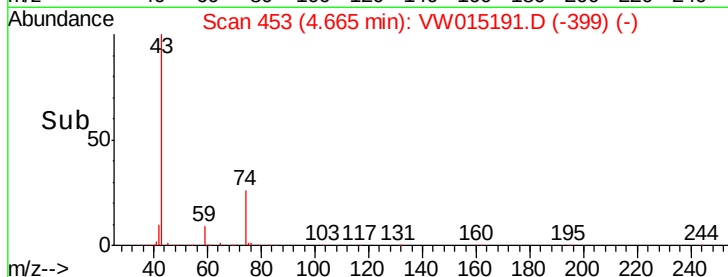
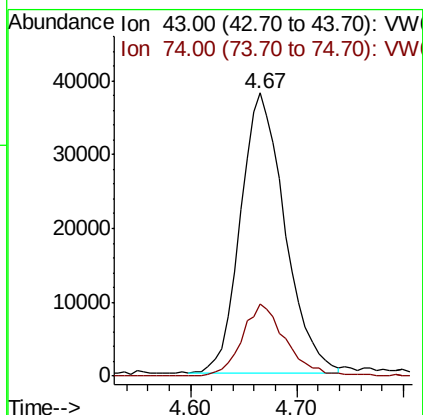
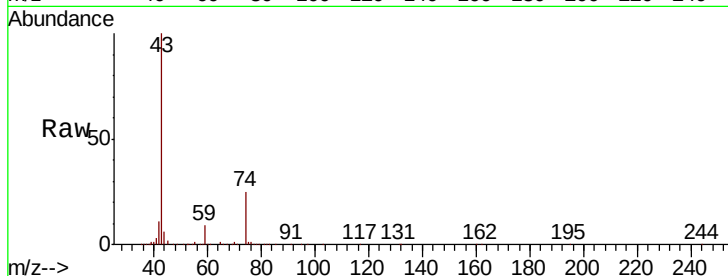




#15
Methvl Acetate
Concen: 21.607 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW015191.D
Acq: 14 Apr 2020 14:08

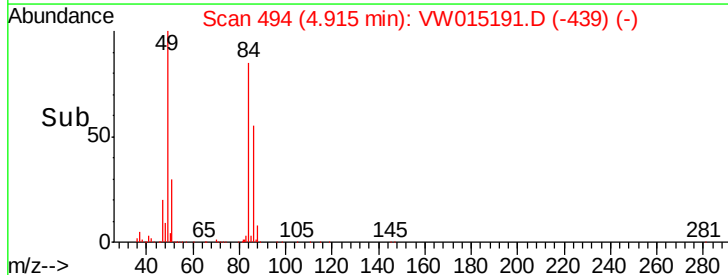
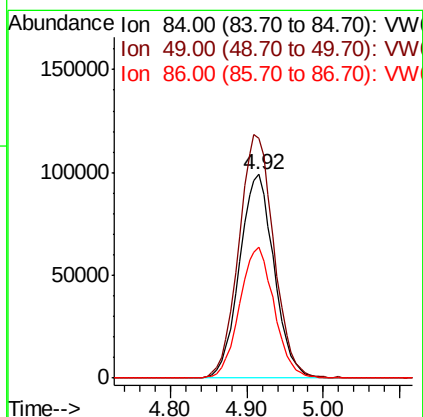
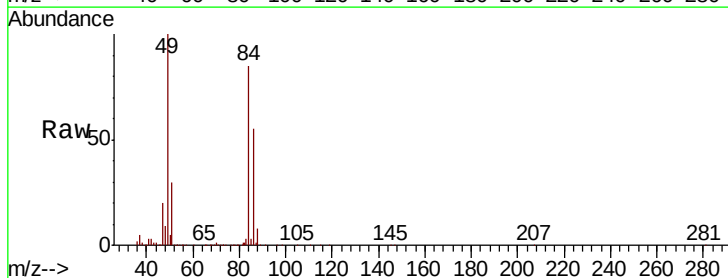
Instrument :
MSVOA_W
ClientSampleId :

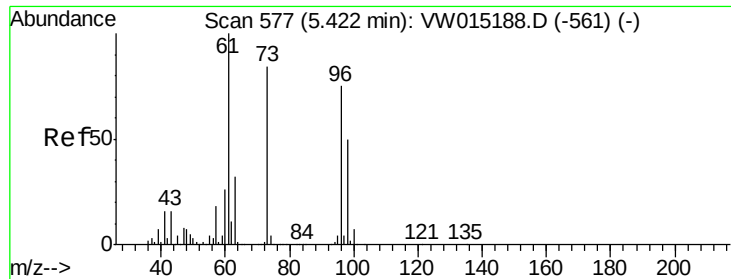
Tot Ion: 43 Resp: 111199
Ion Ratio Lower Upper
43 100
74 24.6 20.7 31.1



#16
Methylene chloride
Concen: 21.247 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW015191.D
Acq: 14 Apr 2020 14:08

Tgt Ion: 84 Resp: 312159
Ion Ratio Lower Upper
84 100
49 117.8 82.3 152.9
86 64.6 44.1 81.9

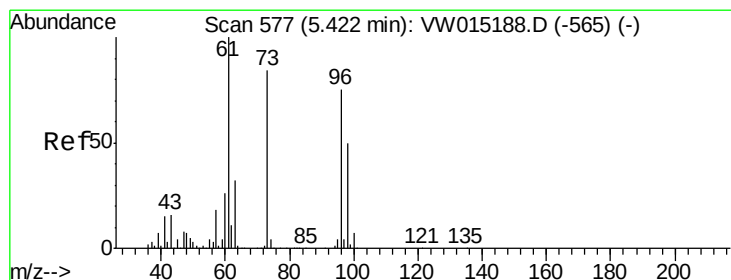
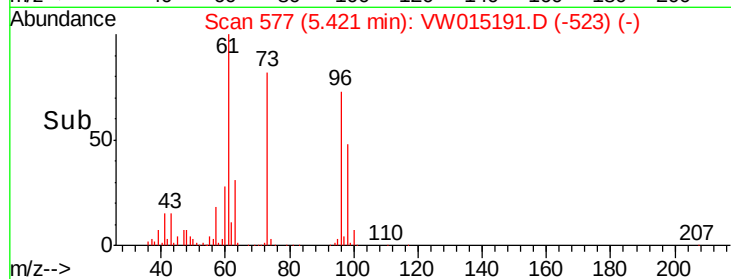
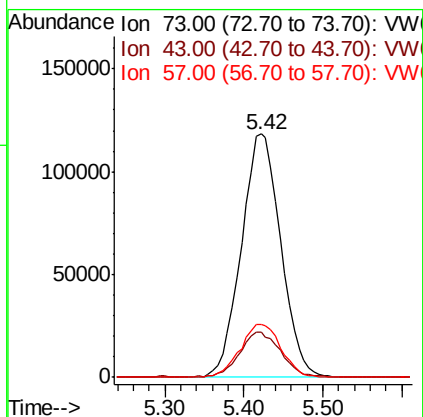
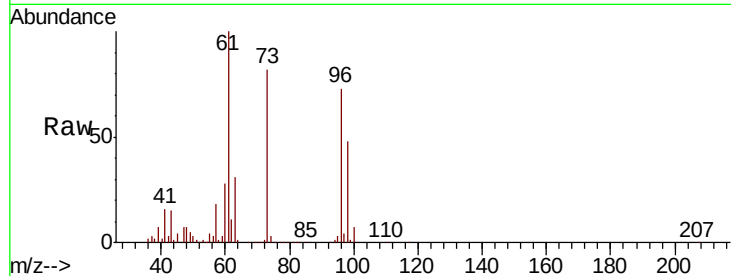




#17
Methyl tert-butyl Ether
Concen: 22.371 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW015191.D
Acq: 14 Apr 2020 14:08

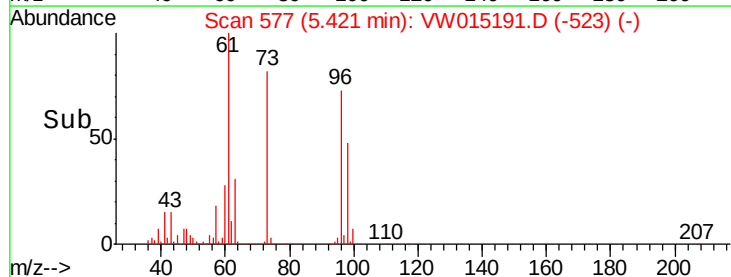
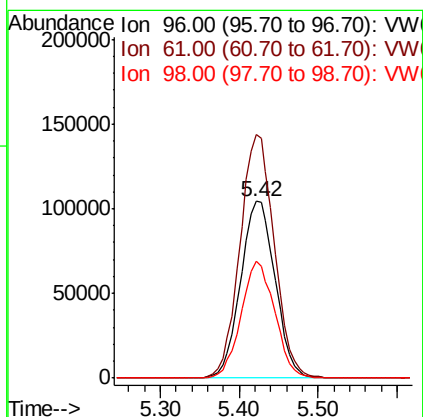
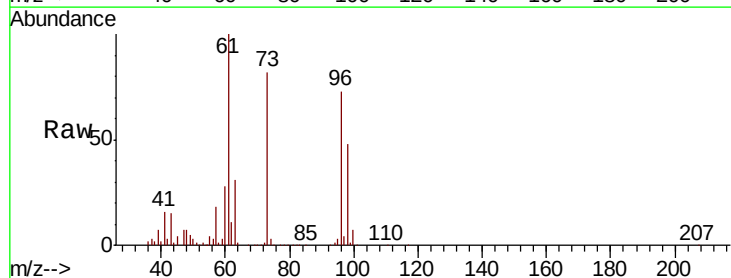
Instrument :
MSVOA_W
ClientSampleId :

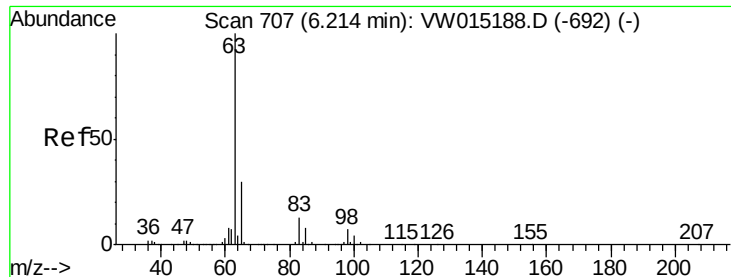
Tot Ion: 73 Resp: 410829
Ion Ratio Lower Upper
73 100
43 18.7 15.7 23.5
57 22.4 17.9 26.9



#18
trans-1,2-Dichloroethene
Concen: 22.368 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW015191.D
Acq: 14 Apr 2020 14:08

Tgt Ion: 96 Resp: 318736
Ion Ratio Lower Upper
96 100
61 137.7 93.6 173.8
98 66.0 46.8 87.0

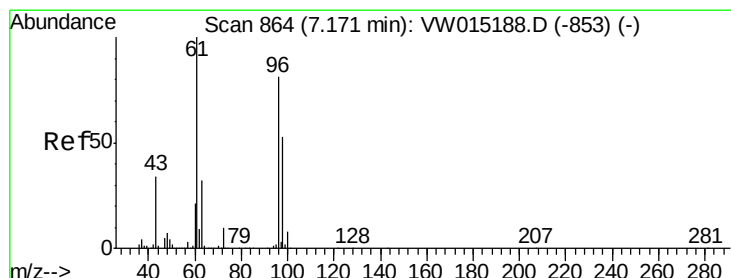
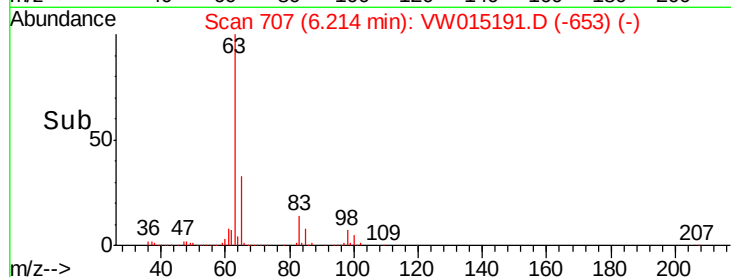
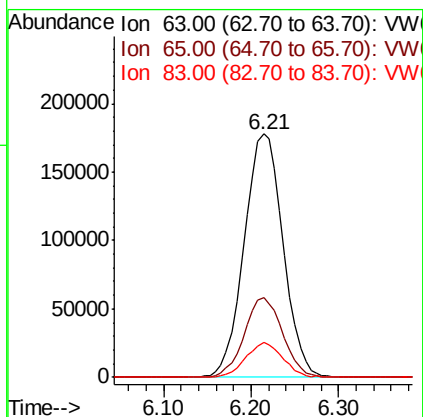
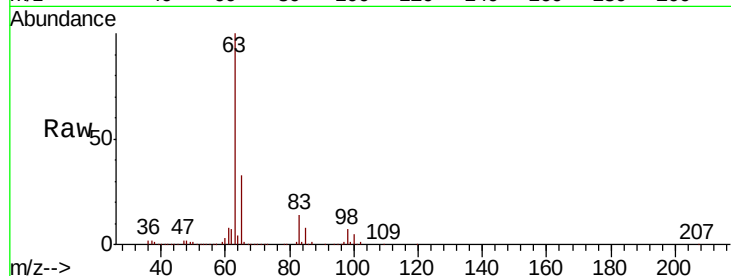




#19
 1,1-Dichloroethane
 Concen: 22.751 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW015191.D
 Acq: 14 Apr 2020 14:08

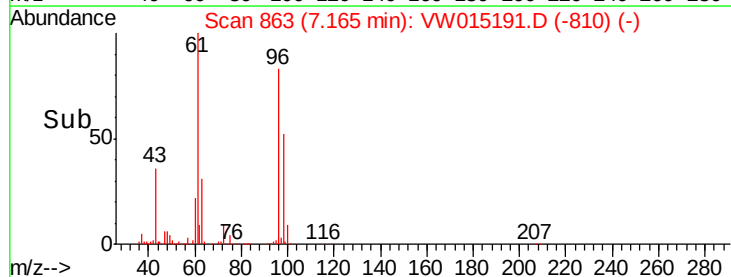
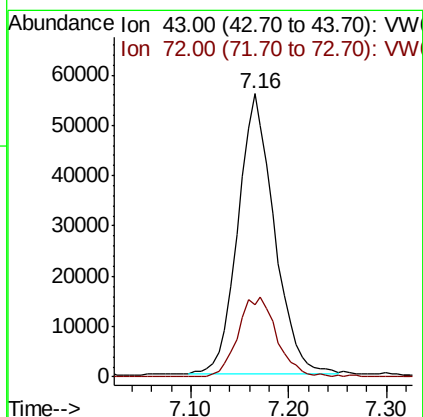
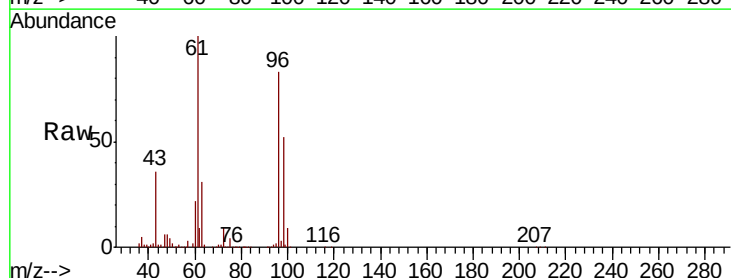
Instrument :
 MSVOA_W
 ClientSampleId :

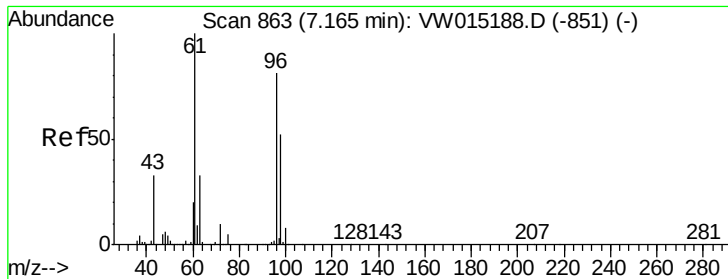
Tot Ion	Ratio	Lower	Upper
63	100		
65	32.5	21.3	39.5
83	14.1	9.0	16.8



#21
 2-Butanone
 Concen: 39.696 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW015191.D
 Acq: 14 Apr 2020 14:08

Tgt Ion	Ratio	Lower	Upper
43	100		
72	30.4	14.9	44.7



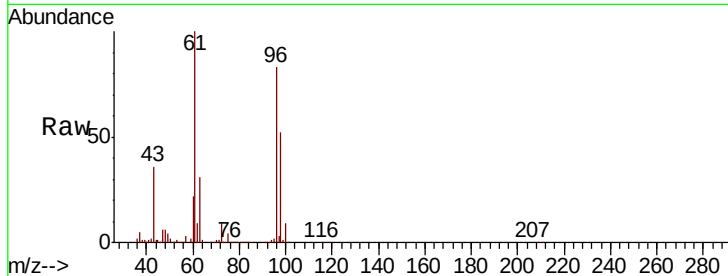


#22

cis-1,2-Dichloroethene
 Concen: 22.956 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW015191.D
 Acq: 14 Apr 2020 14:08

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	121.0	86.7	161.1
98	63.0	44.7	82.9

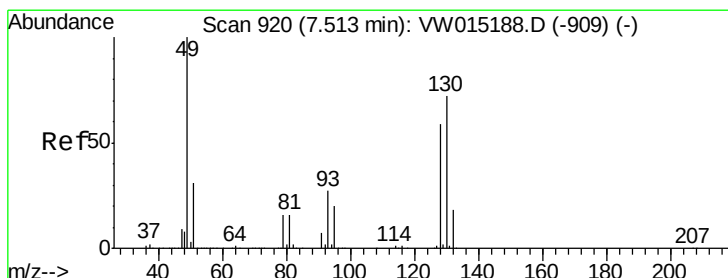
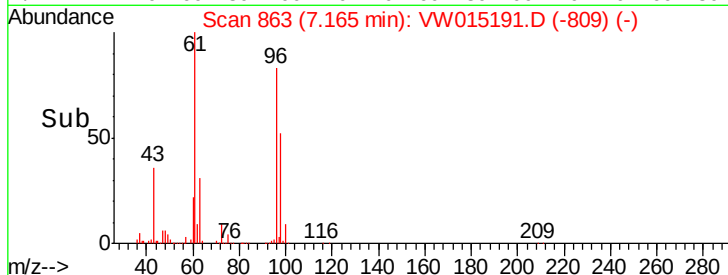
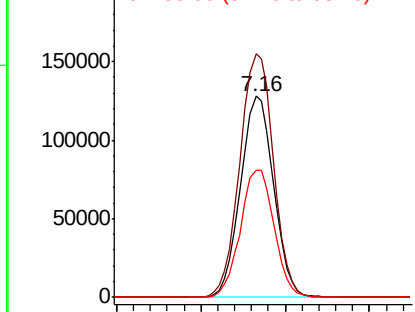


Abundance

Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

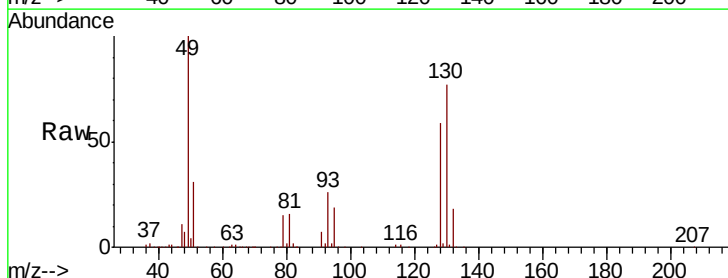
Ion 98.00 (97.70 to 98.70): VW



#23

Bromochloromethane
 Concen: 22.403 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW015191.D
 Acq: 14 Apr 2020 14:08

Tgt Ion	Ratio	Lower	Upper
128	100		
49	168.4	119.1	221.3
130	130.3	86.3	160.3
51	52.4	43.0	64.6



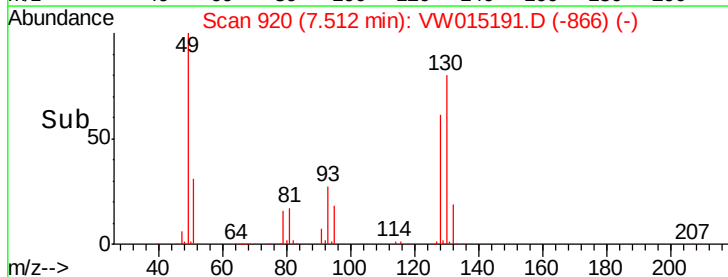
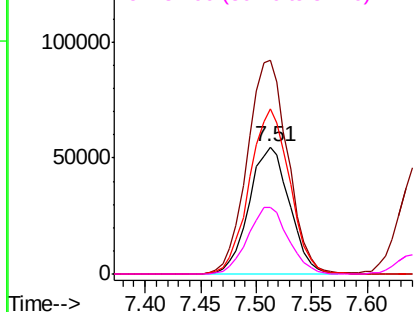
Abundance

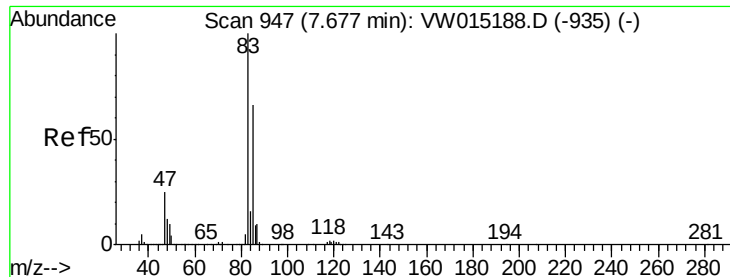
Ion 128.00 (127.70 to 128.70): V

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

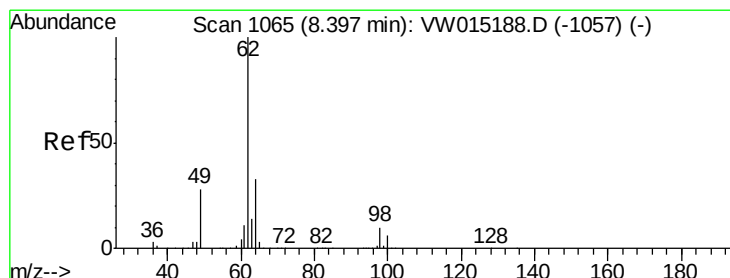
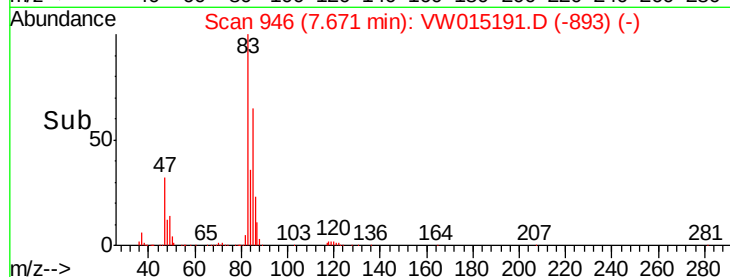
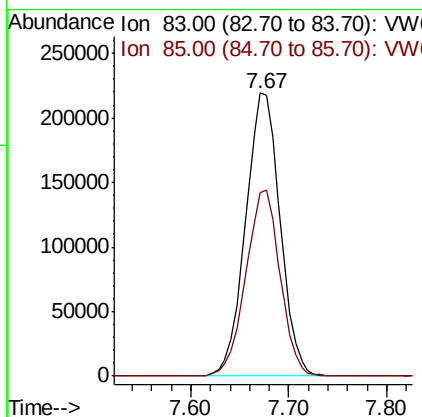
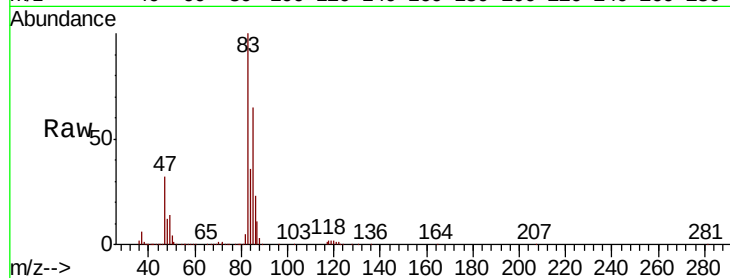




#25
Chloroform
Concen: 22.883 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW015191.D
Acq: 14 Apr 2020 14:08

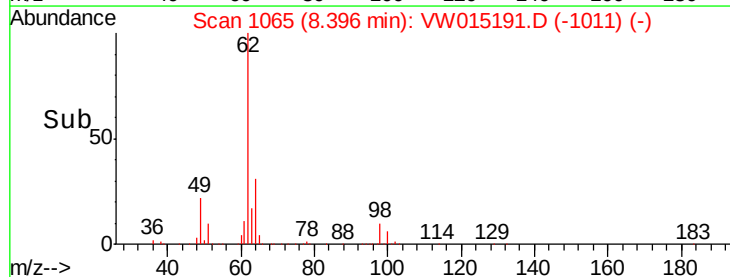
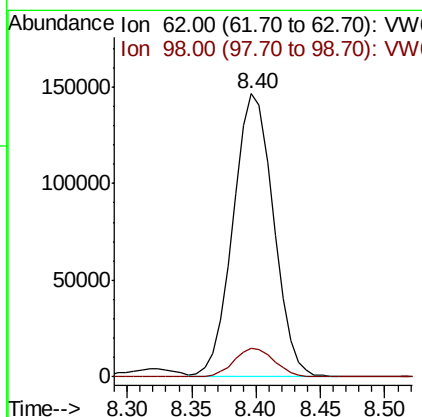
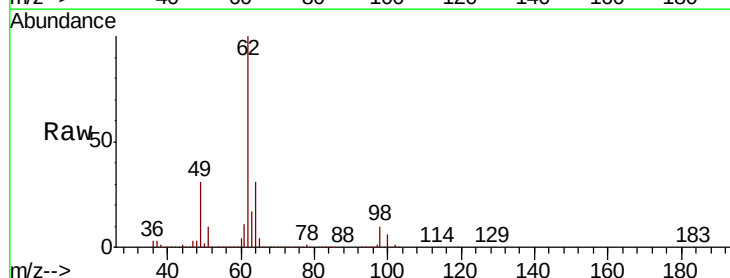
Instrument :
MSVOA_W
ClientSampleId :

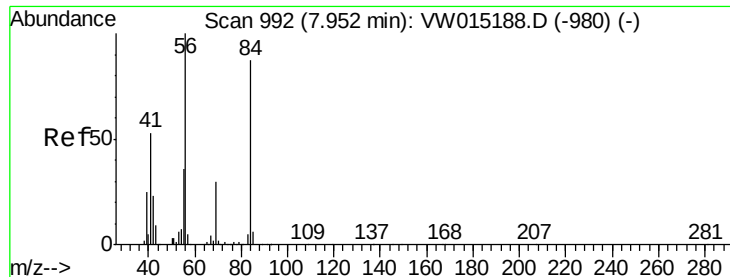
Tot Ion: 83 Resp: 538634
Ion Ratio Lower Upper
83 100
85 65.5 46.5 86.3



#27
1,2-Dichloroethane
Concen: 22.764 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW015191.D
Acq: 14 Apr 2020 14:08

Tgt Ion: 62 Resp: 320217
Ion Ratio Lower Upper
62 100
98 10.1 8.2 12.2

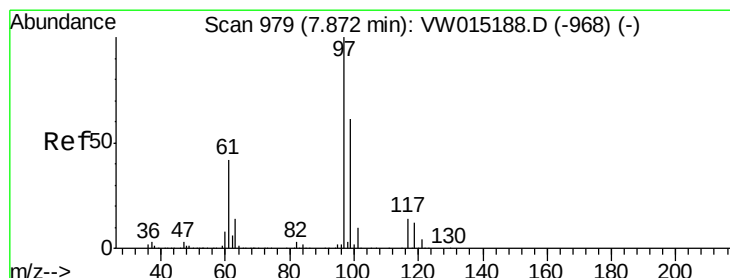
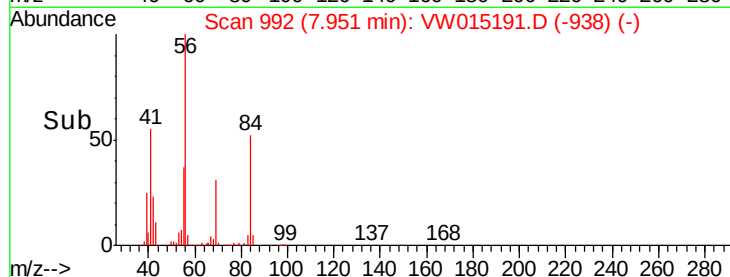
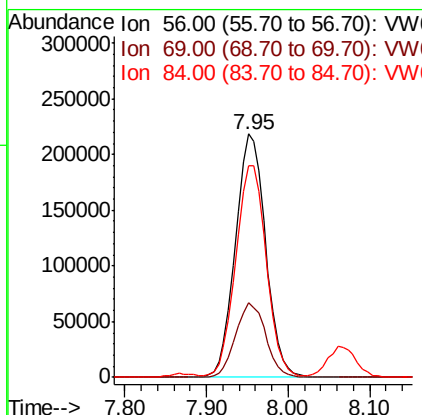
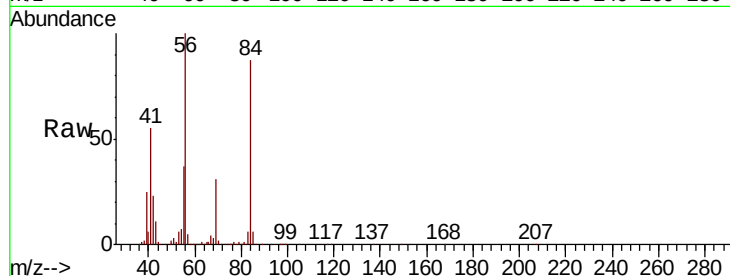




#30
Cyclohexane
Concen: 22.485 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW015191.D
Acq: 14 Apr 2020 14:08

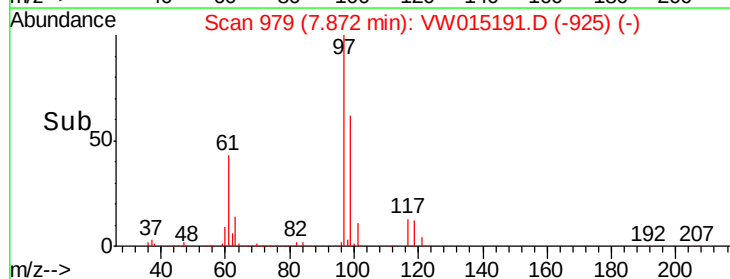
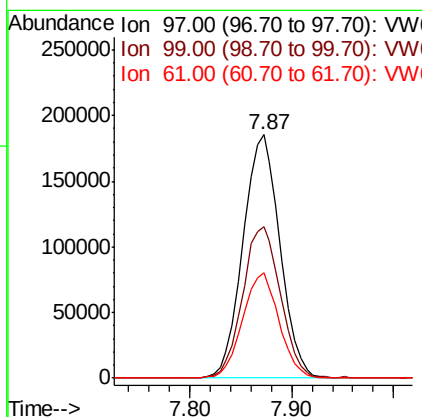
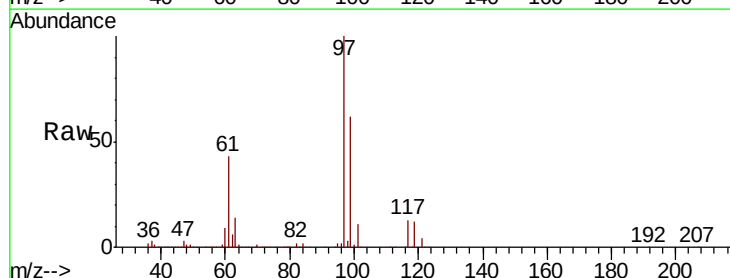
Instrument :
MSVOA_W
ClientSampled :

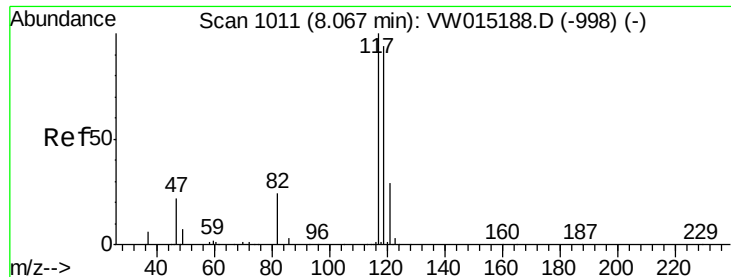
Tot Ion: 56 Resp: 558604
Ion Ratio Lower Upper
56 100
69 30.7 24.8 37.2
84 88.3 71.0 106.6



#31
1,1,1-Trichloroethane
Concen: 22.925 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW015191.D
Acq: 14 Apr 2020 14:08

Tgt Ion: 97 Resp: 466329
Ion Ratio Lower Upper
97 100
99 63.6 51.2 76.8
61 42.7 34.1 51.1





#32

Carbon tetrachloride

Concen: 22.472 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW015191.D

Acq: 14 Apr 2020 14:08

Instrument :

MSVOA_W

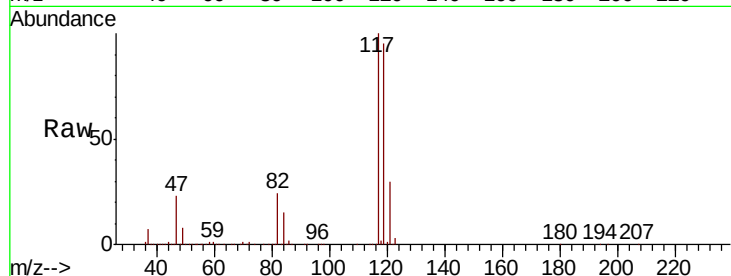
ClientSampleId :

Tot Ion:117 Resp: 418602

Ion Ratio Lower Upper

117 100

119 95.5 76.0 114.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

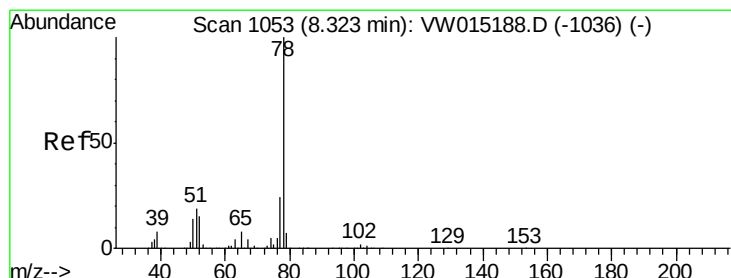
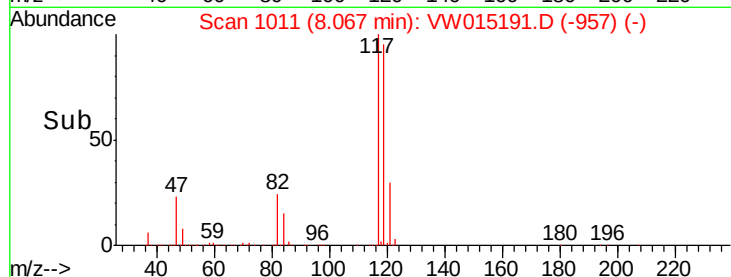
150000

100000

50000

0

Time-->



#34

Benzene

Concen: 22.860 ug/L

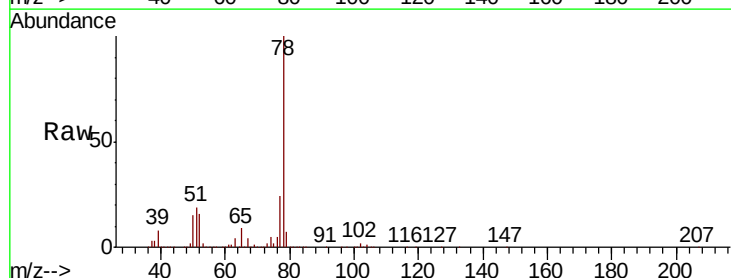
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW015191.D

Acq: 14 Apr 2020 14:08

Tgt Ion: 78 Resp: 1286277



Abundance Ion 78.00 (77.70 to 78.70): VW

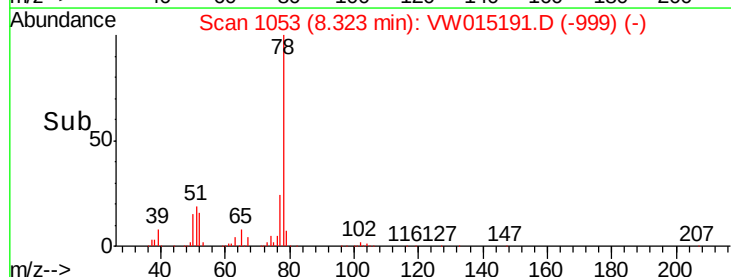
600000

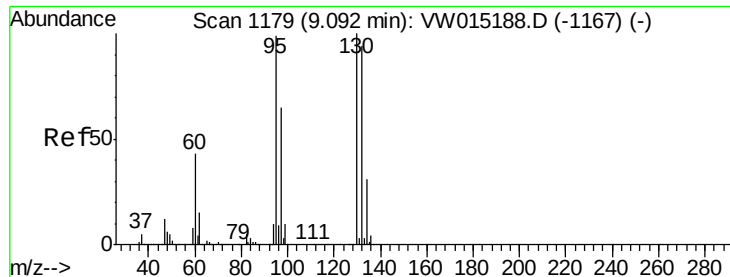
400000

200000

0

Time-->





#35

Trichloroethene

Concen: 22.768 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW015191.D

Acq: 14 Apr 2020 14:08

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 95 Resp: 331612

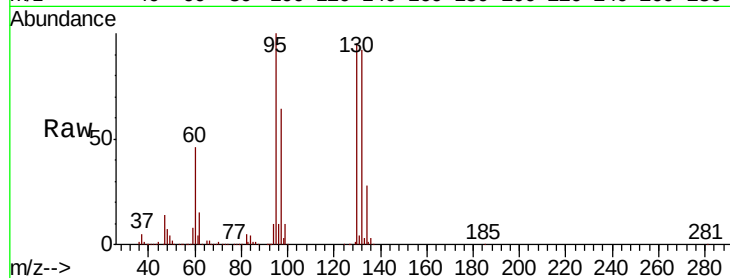
Ion Ratio Lower Upper

95 100

97 65.3 45.4 84.2

132 95.6 67.1 124.5

130 99.8 70.6 131.0

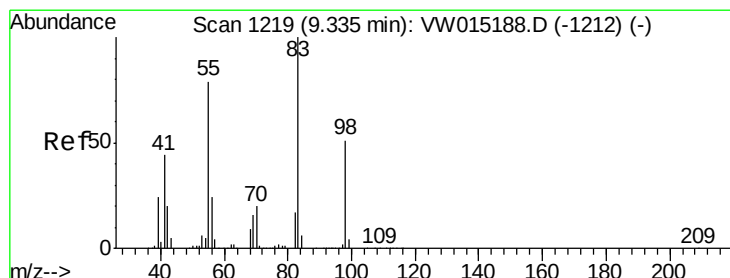
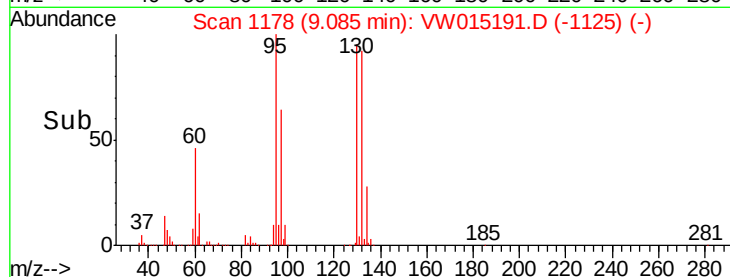
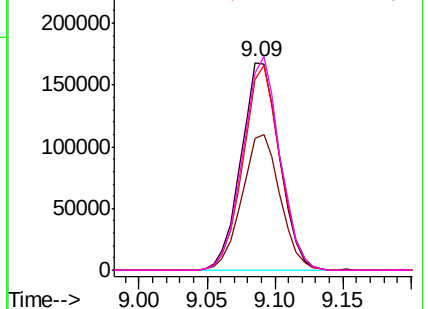


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#36

Methylcyclohexane

Concen: 22.166 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW015191.D

Acq: 14 Apr 2020 14:08

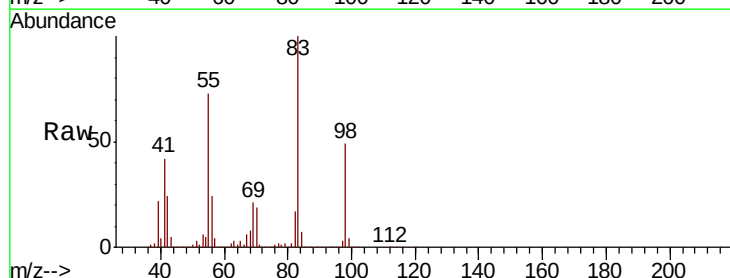
Tgt Ion: 83 Resp: 595718

Ion Ratio Lower Upper

83 100

55 74.8 60.1 90.1

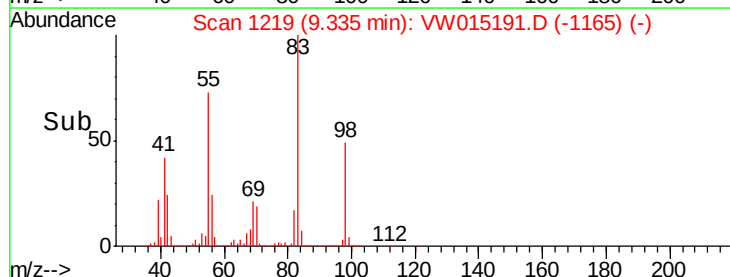
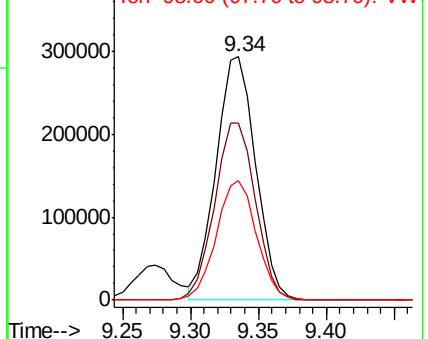
98 49.6 39.4 59.0

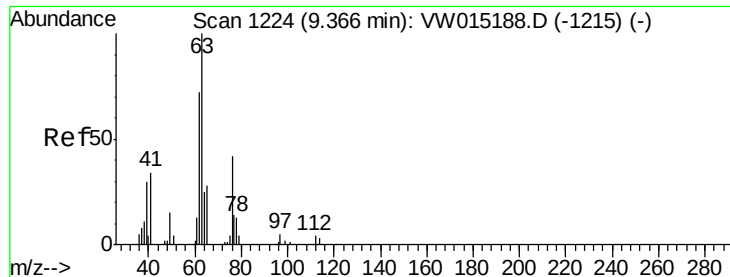


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 22.939 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW015191.D

Acq: 14 Apr 2020 14:08

Instrument :

MSVOA_W

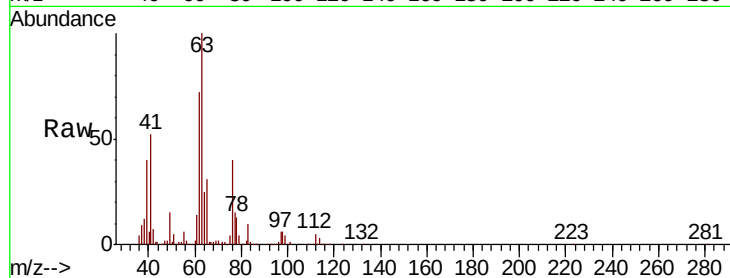
ClientSampleId :

Tot Ion: 63 Resp: 312985

Ion Ratio Lower Upper

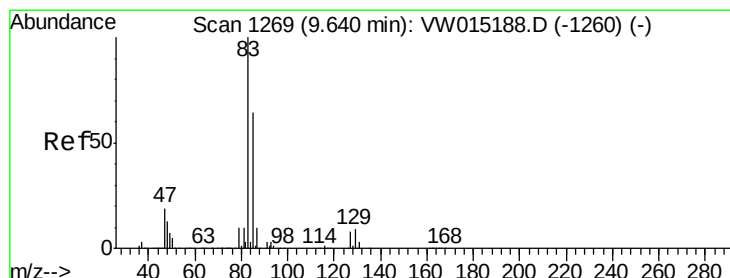
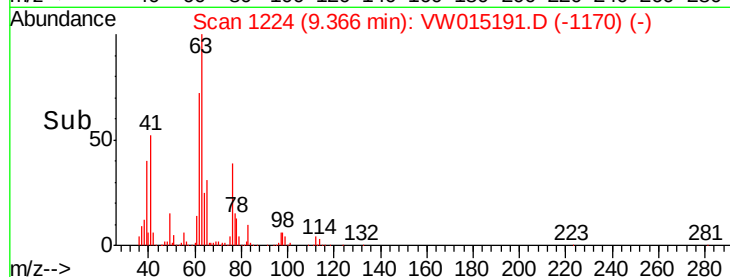
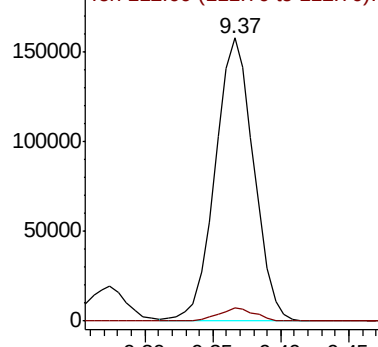
63 100

112 4.4 3.5 5.3



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 23.121 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW015191.D

Acq: 14 Apr 2020 14:08

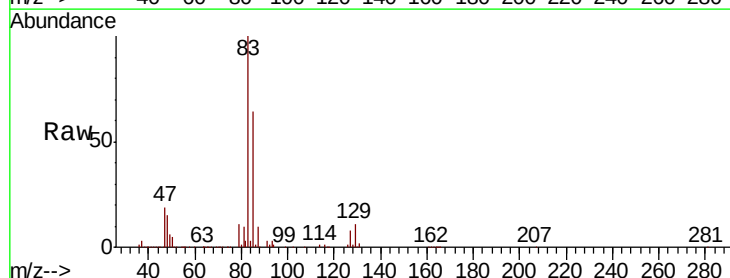
Tgt Ion: 83 Resp: 393812

Ion Ratio Lower Upper

83 100

85 64.0 44.4 82.5

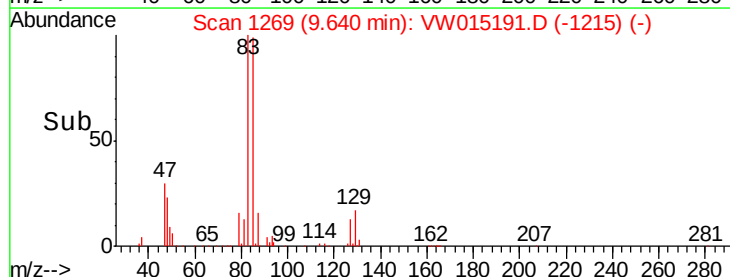
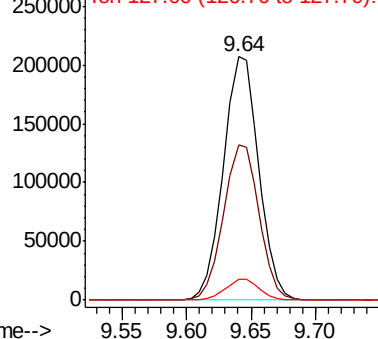
127 8.4 6.6 10.0

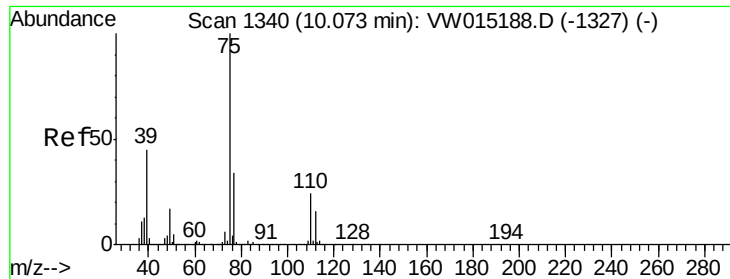


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 23.006 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW015191.D

Acq: 14 Apr 2020 14:08

Instrument :

MSVOA_W

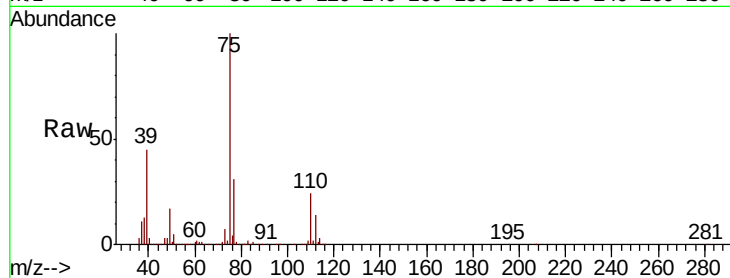
ClientSampleId :

Tot Ion: 75 Resp: 493751

Ion Ratio Lower Upper

75 100

77 30.6 23.5 43.7



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.07

250000

200000

150000

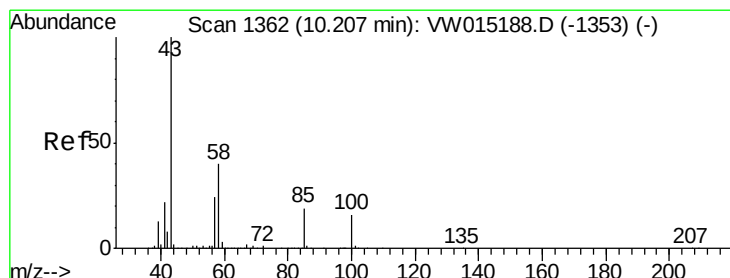
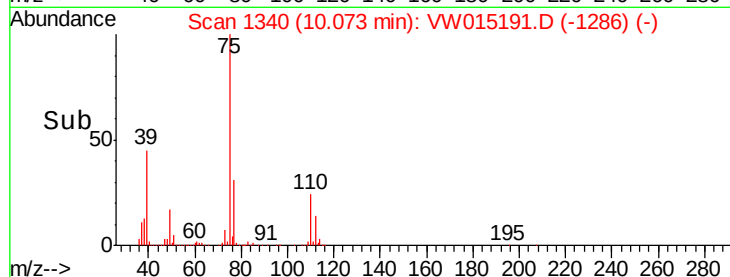
100000

50000

0

Time-->

10.00 10.10



#43

4-Methyl-2-pentanone

Concen: 42.642 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW015191.D

Acq: 14 Apr 2020 14:08

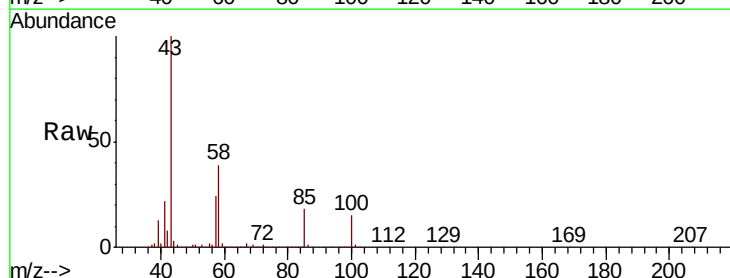
Tgt Ion: 43 Resp: 336735

Ion Ratio Lower Upper

43 100

58 40.7 32.5 48.7

100 16.3 13.0 19.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW

500000

400000

300000

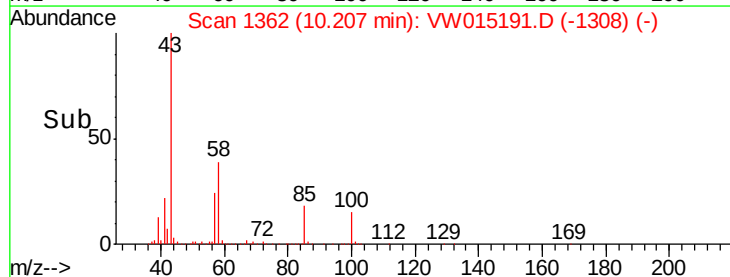
200000

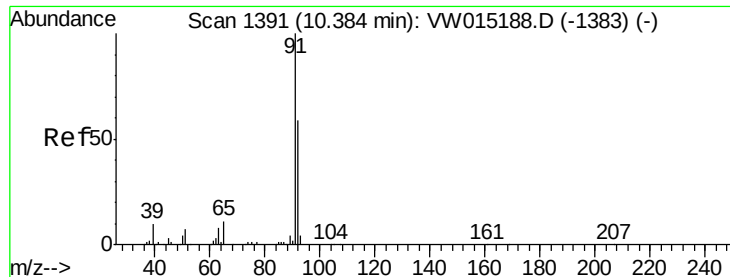
100000

0

Time-->

10.10 10.20





#44

Toluene

Concen: 23.043 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW015191.D

Acq: 14 Apr 2020 14:08

Instrument :

MSVOA_W

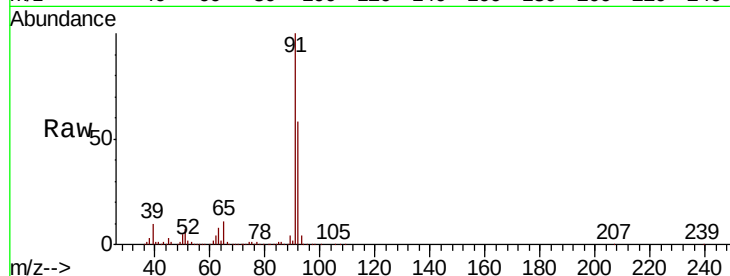
ClientSampleId :

Tot Ion: 91 Resp: 1376279

Ion Ratio Lower Upper

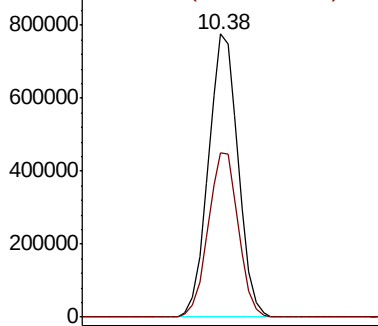
91 100

92 57.9 41.3 76.7

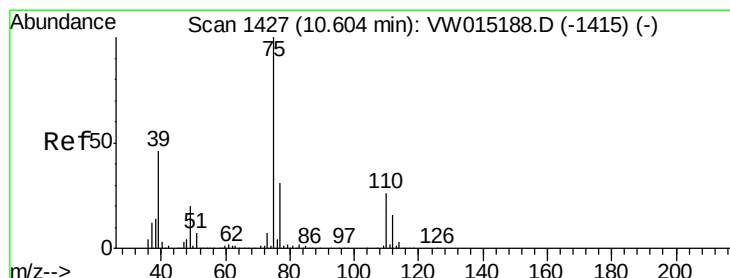
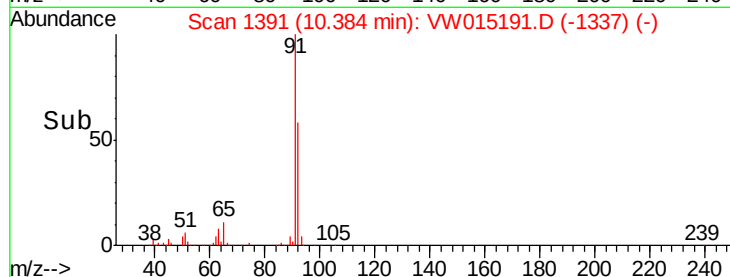


Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW



Time-->



#45

trans-1,3-Dichloropropene

Concen: 22.763 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW015191.D

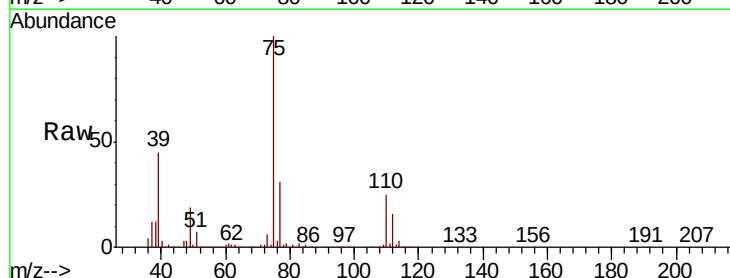
Acq: 14 Apr 2020 14:08

Tgt Ion: 75 Resp: 413266

Ion Ratio Lower Upper

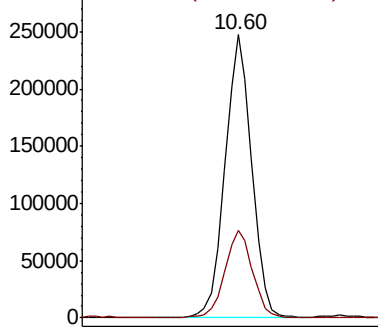
75 100

77 31.0 22.3 41.5

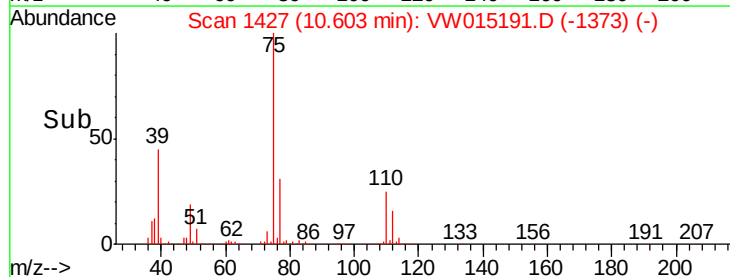


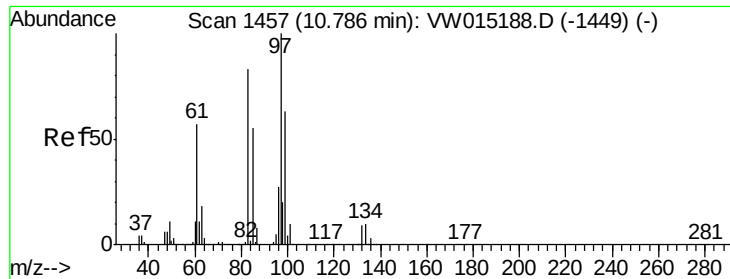
Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



Time-->





#46

1,1,2-Trichloroethane

Concen: 21.990 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW015191.D

Acq: 14 Apr 2020 14:08

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 212315

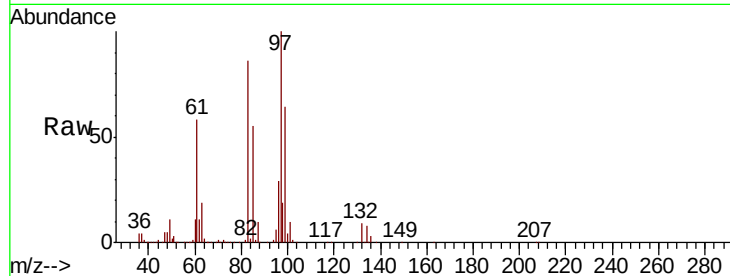
Ion Ratio Lower Upper

97 100

83 86.4 57.9 107.5

85 55.1 38.5 71.5

99 63.7 43.7 81.1

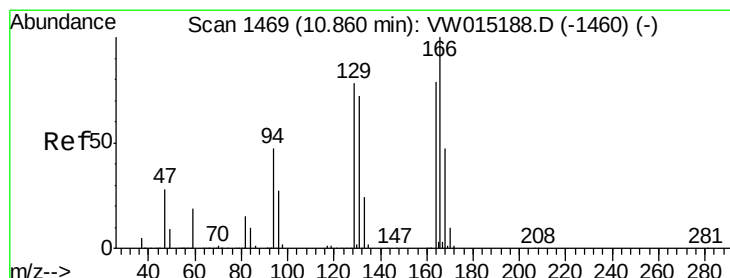
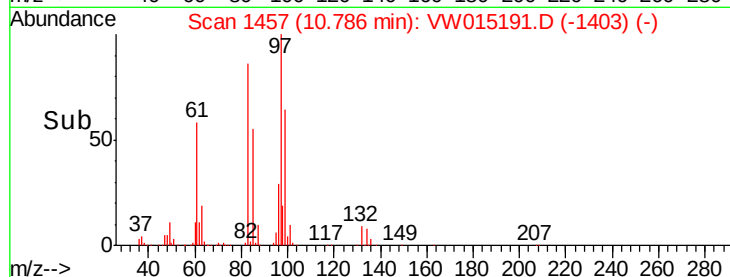
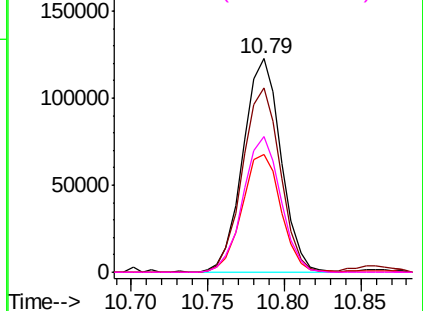


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 22.575 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW015191.D

Acq: 14 Apr 2020 14:08

Tgt Ion: 164 Resp: 249709

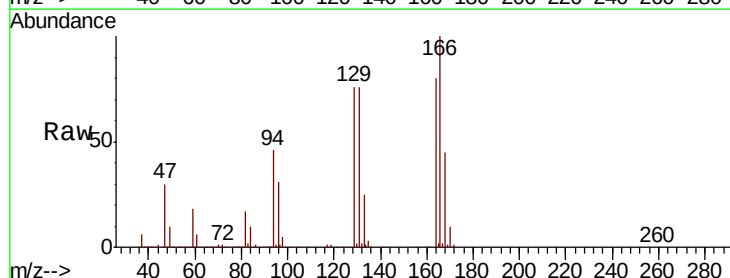
Ion Ratio Lower Upper

164 100

129 94.5 69.4 128.8

131 94.5 63.7 118.3

166 124.5 88.4 164.2

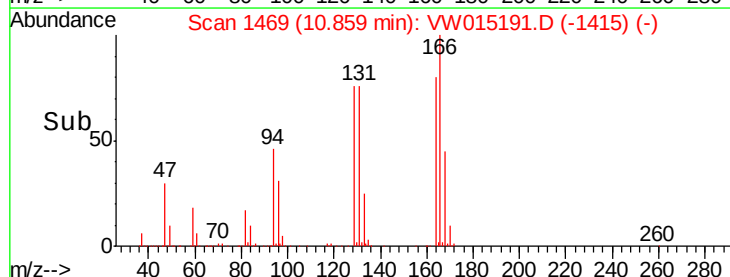
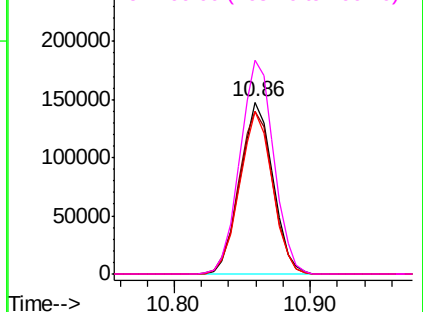


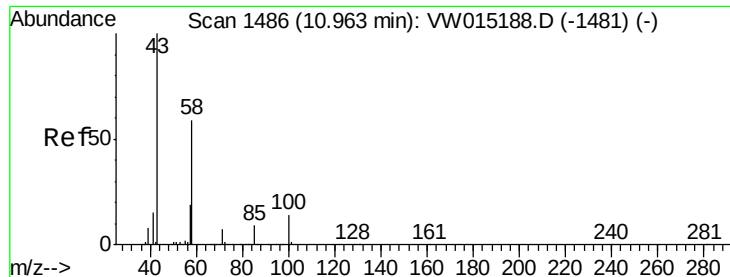
Abundance Ion 164.00 (163.70 to 164.70): V

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: 42.627 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.01 min

Lab File: VW015191.D

Acq: 14 Apr 2020 14:08

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 222200

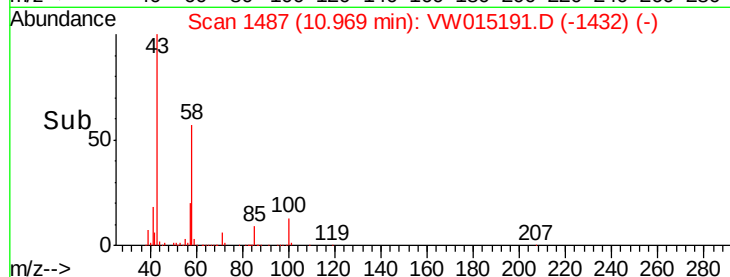
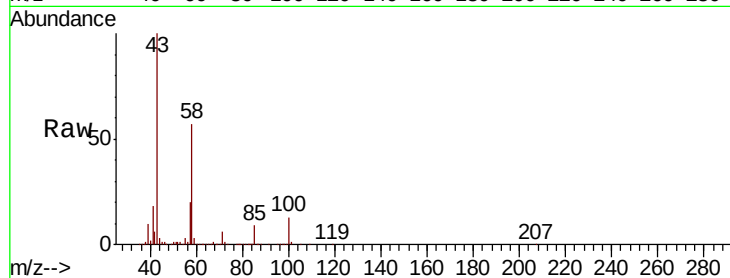
Ion Ratio Lower Upper

43 100

58 58.1 45.8 68.6

57 18.8 15.1 22.7

100 12.6 10.5 15.7

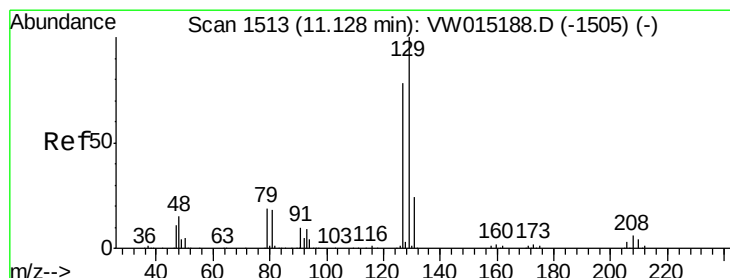
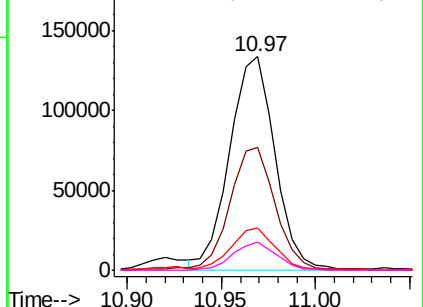


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 22.610 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW015191.D

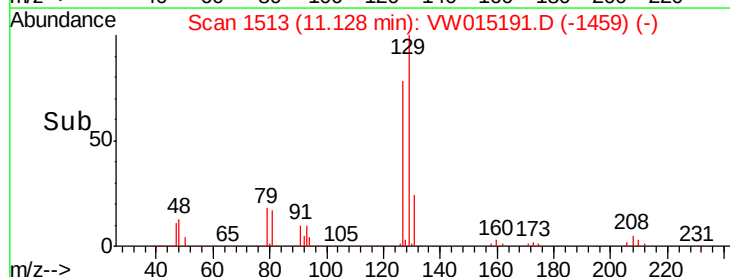
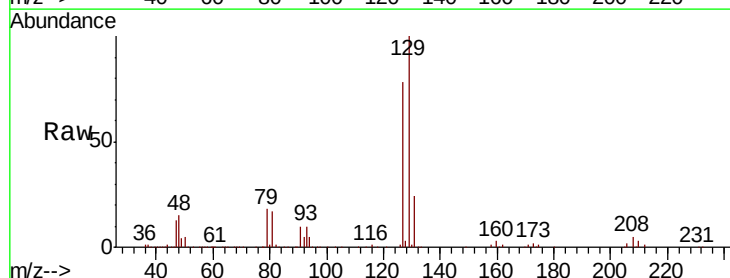
Acq: 14 Apr 2020 14:08

Tgt Ion: 129 Resp: 256819

Ion Ratio Lower Upper

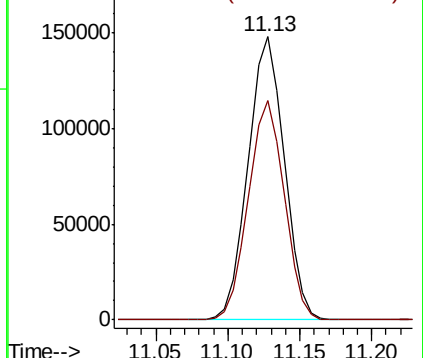
129 100

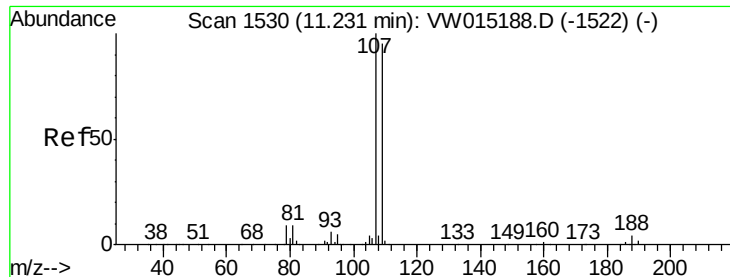
127 77.5 54.3 100.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#51

1,2-Dibromoethane

Concen: 22.263 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW015191.D

Acq: 14 Apr 2020 14:08

Instrument :

MSVOA_W

ClientSampled :

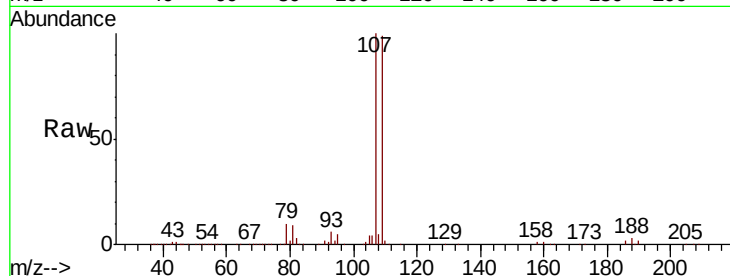
Tot Ion:107 Resp: 201999

Ion Ratio Lower Upper

107 100

109 98.9 66.8 124.2

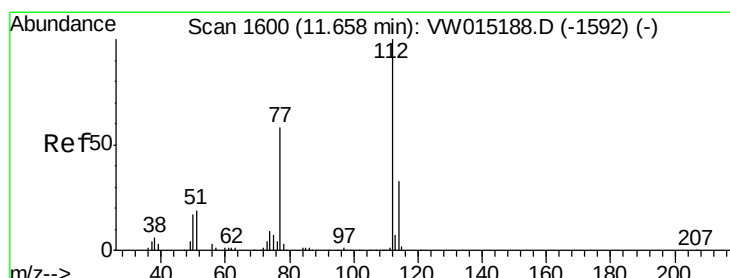
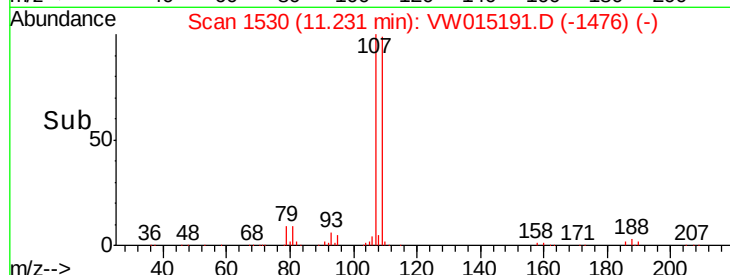
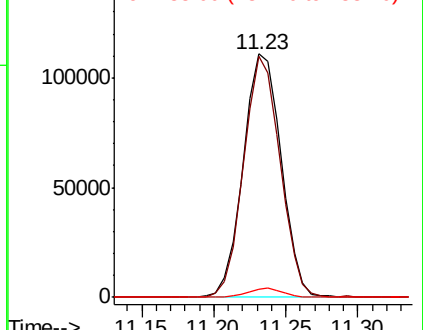
188 3.4 3.0 4.6



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: 23.001 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW015191.D

Acq: 14 Apr 2020 14:08

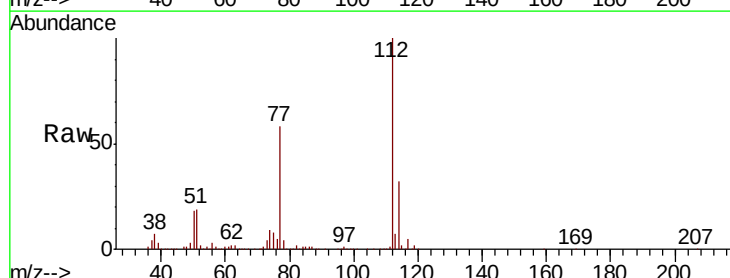
Tgt Ion:112 Resp: 847714

Ion Ratio Lower Upper

112 100

77 57.8 46.2 69.4

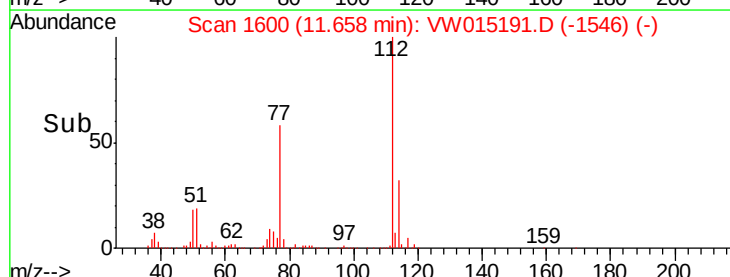
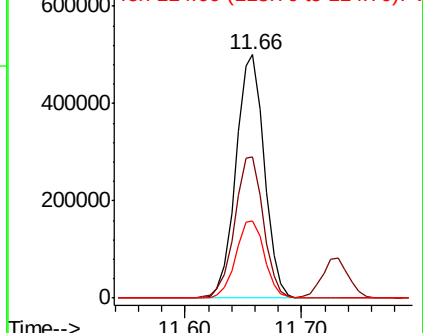
114 31.7 22.7 42.3

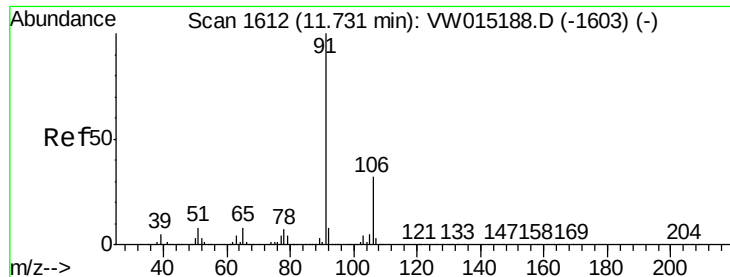


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 114.00 (113.70 to 114.70): V

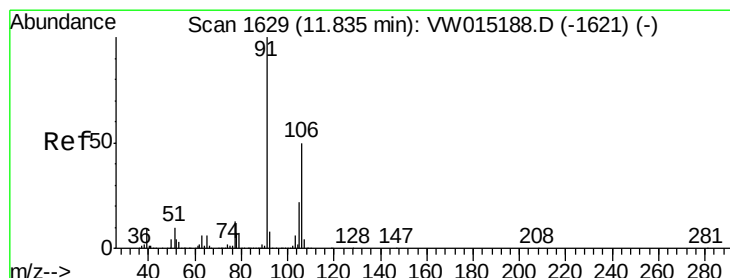
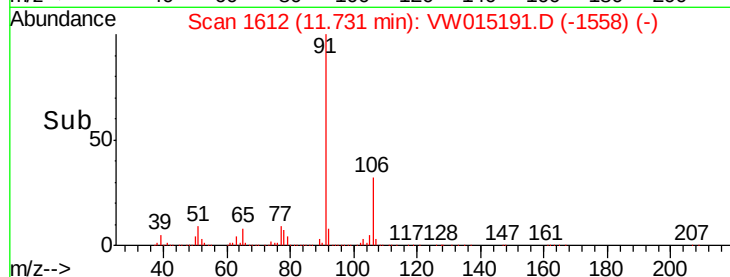
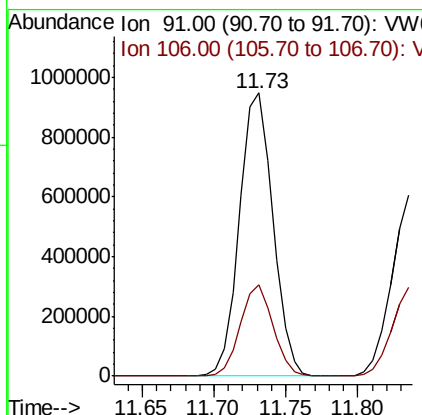
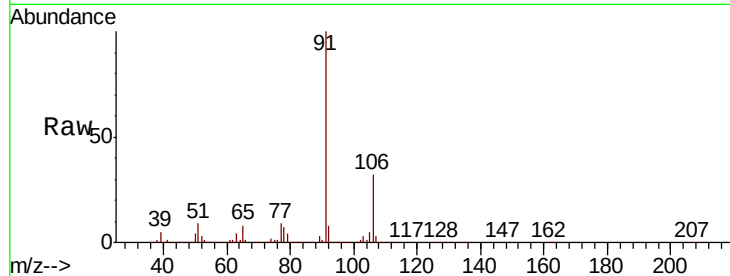




#53
Ethylbenzene
Concen: 22.860 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW015191.D
Acq: 14 Apr 2020 14:08

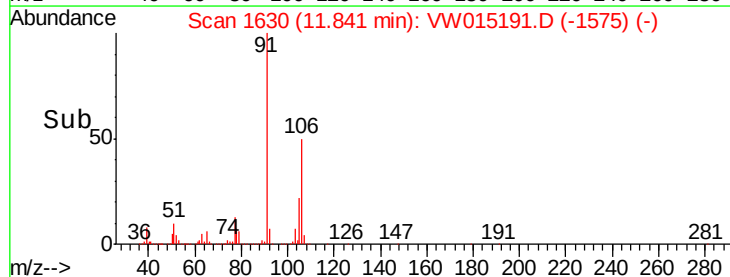
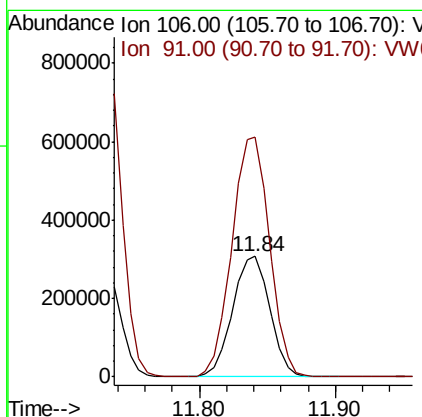
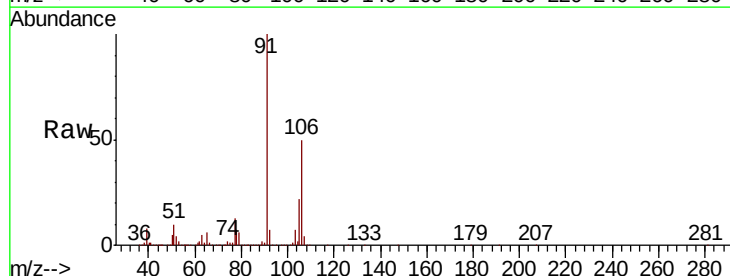
Instrument :
MSVOA_W
ClientSampleId :

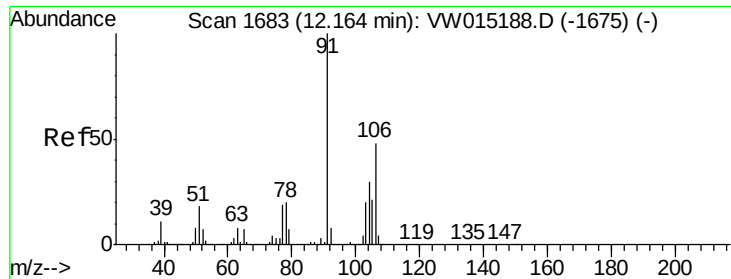
Tot Ion: 91 Resp: 1530755
Ion Ratio Lower Upper
91 100
106 32.3 22.4 41.6



#54
m,p-Xylene
Concen: 22.757 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW015191.D
Acq: 14 Apr 2020 14:08

Tgt Ion: 106 Resp: 586673
Ion Ratio Lower Upper
106 100
91 198.5 141.0 261.8

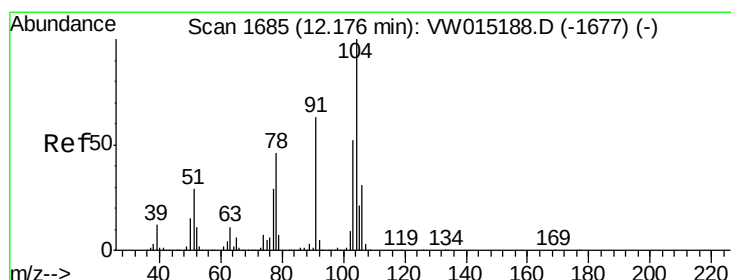
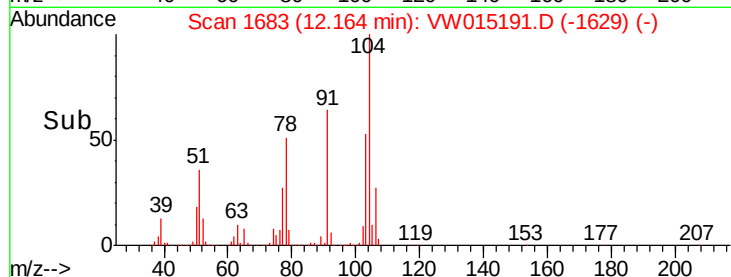
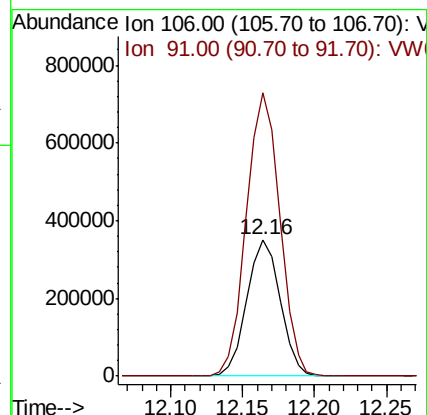
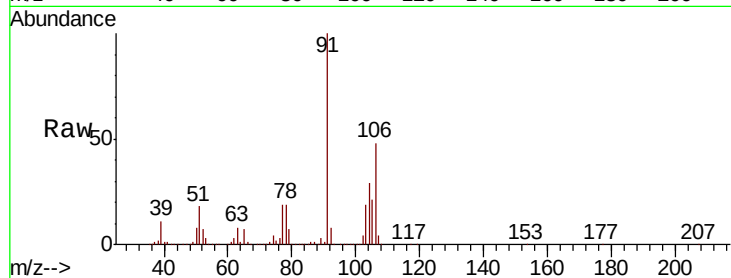




#55
o-xylene
Concen: 22.767 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW015191.D
Acq: 14 Apr 2020 14:08

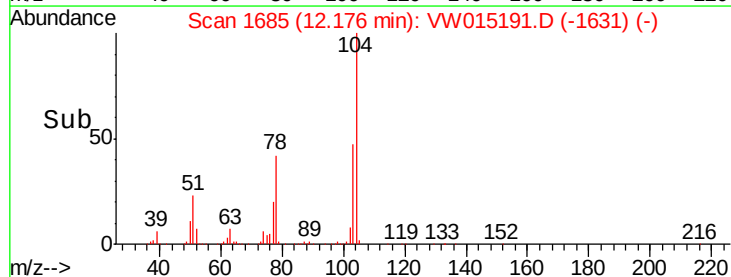
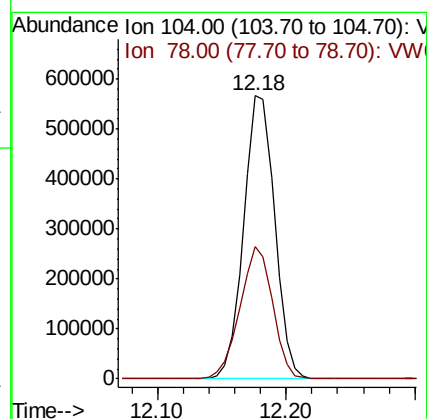
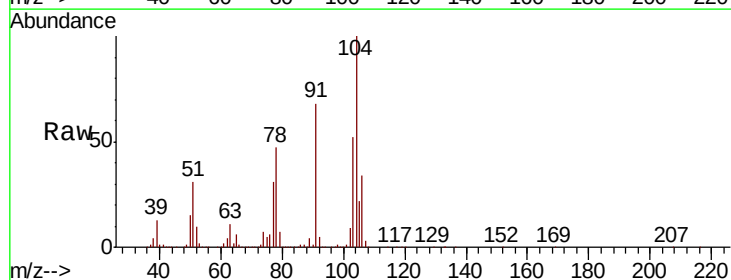
Instrument :
MSVOA_W
ClientSampled :

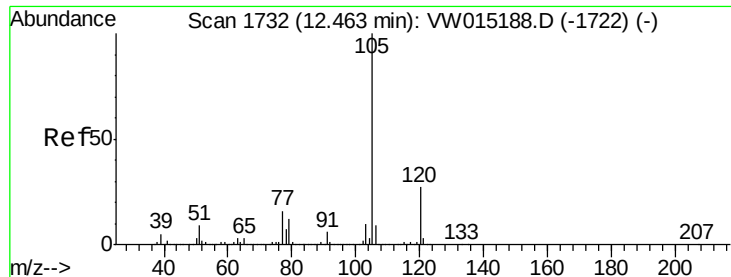
Tot Ion:106 Resp: 561984
Ion Ratio Lower Upper
106 100
91 207.6 145.7 270.5



#56
Styrene
Concen: 22.885 ug/L
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW015191.D
Acq: 14 Apr 2020 14:08

Tgt Ion:104 Resp: 943869
Ion Ratio Lower Upper
104 100
78 46.7 32.3 59.9





#57

Isopropylbenzene

Concen: 22.800 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW015191.D

Acq: 14 Apr 2020 14:08

Instrument :

MSVOA_W

ClientSampleId :

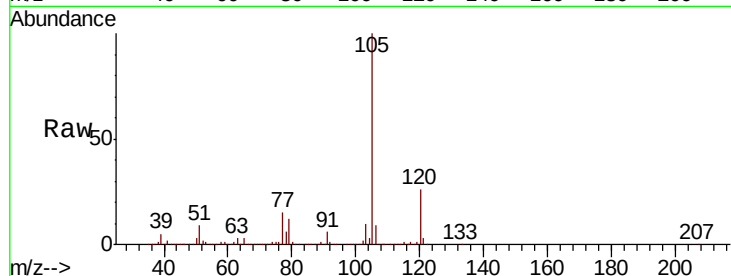
Tot Ion:105 Resp: 1511954

Ion Ratio Lower Upper

105 100

120 26.8 21.4 32.2

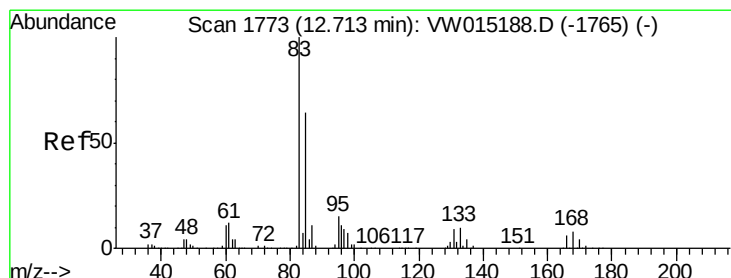
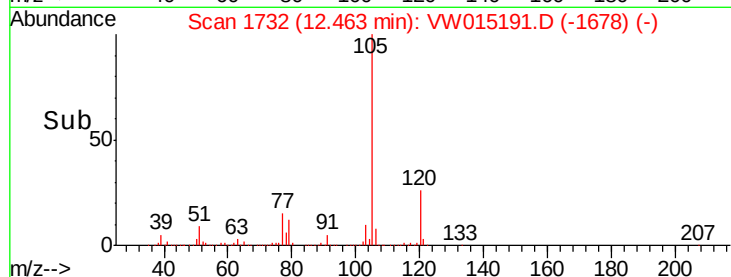
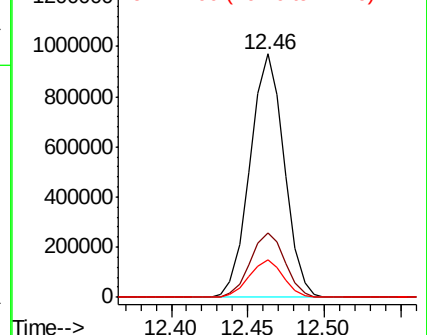
77 15.3 12.4 18.6



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: 21.914 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW015191.D

Acq: 14 Apr 2020 14:08

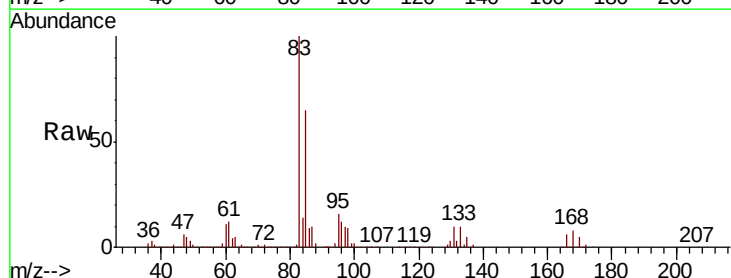
Tgt Ion: 83 Resp: 242702

Ion Ratio Lower Upper

83 100

85 65.1 44.7 83.1

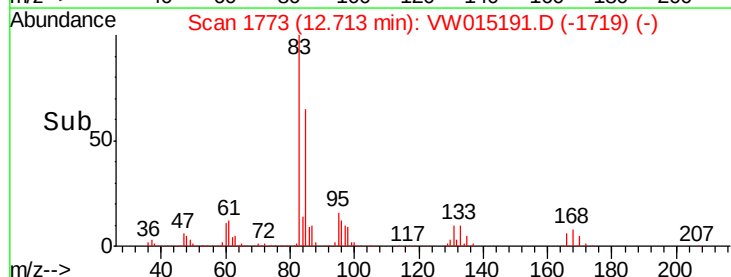
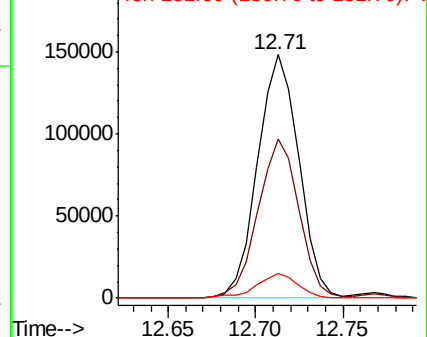
131 10.1 7.0 10.6

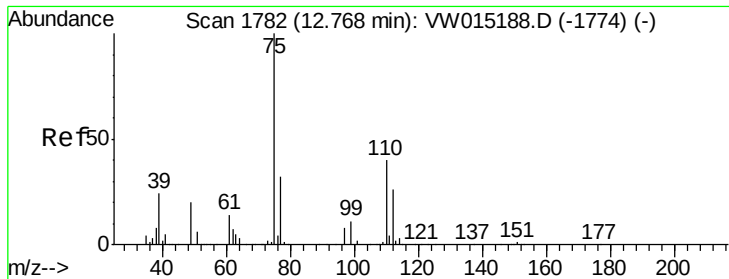


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 21.319 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW015191.D

Acq: 14 Apr 2020 14:08

Instrument :

MSVOA_W

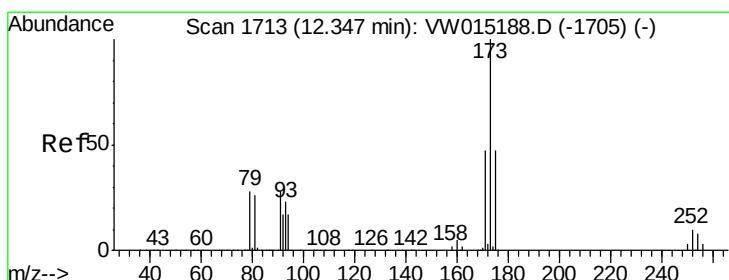
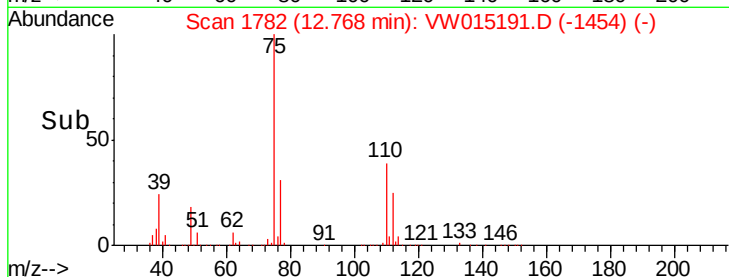
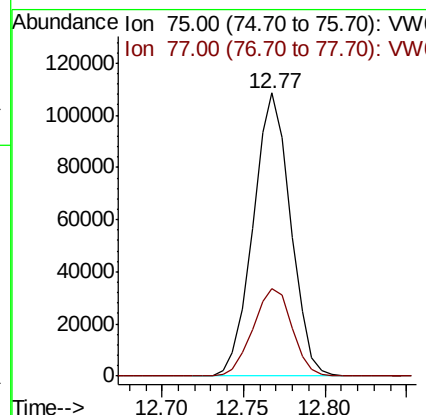
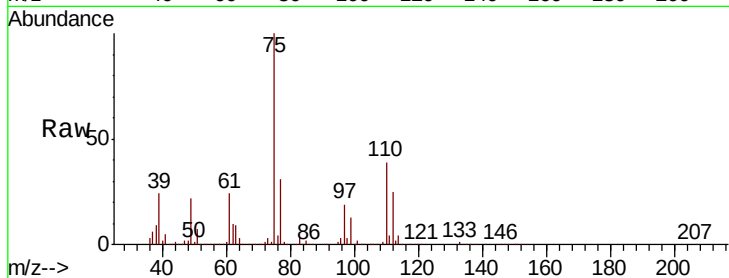
ClientSampled :

Tot Ion: 75 Resp: 173685

Ion Ratio Lower Upper

75 100

77 32.4 26.3 39.5



#62

Bromoform

Concen: 21.955 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW015191.D

Acq: 14 Apr 2020 14:08

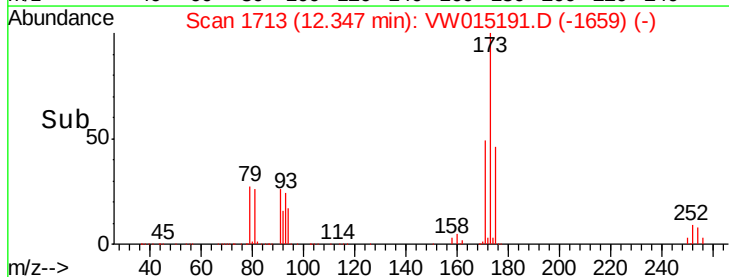
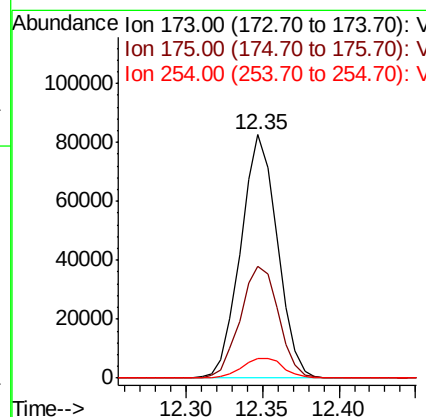
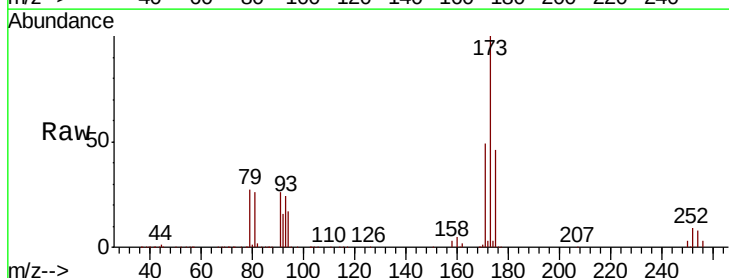
Tgt Ion: 173 Resp: 137788

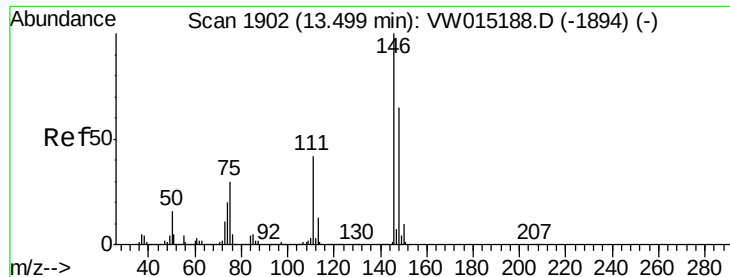
Ion Ratio Lower Upper

173 100

175 48.0 38.4 57.6

254 9.0 7.3 10.9





#63

1,3-Dichlorobenzene

Concen: 23.546 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW015191.D

Acq: 14 Apr 2020 14:08

Instrument :

MSVOA_W

ClientSampled :

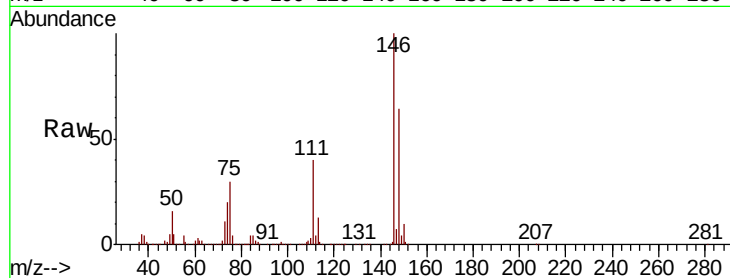
Tot Ion:146 Resp: 627418

Ion Ratio Lower Upper

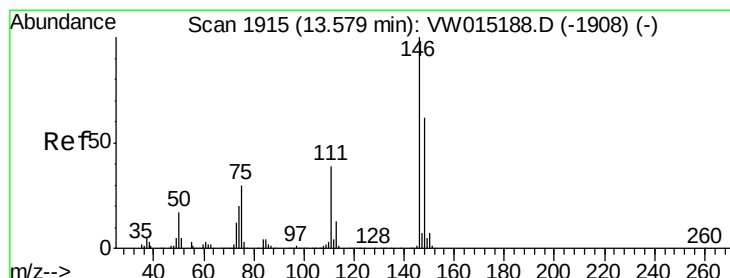
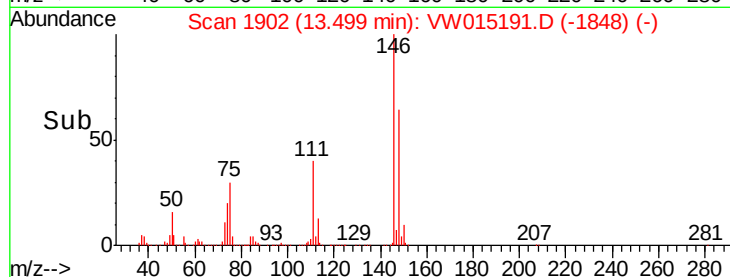
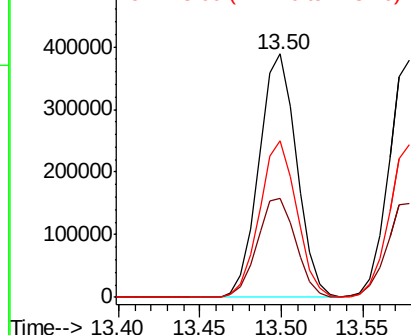
146 100

111 40.5 29.3 54.3

148 64.4 45.7 84.9



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



#64

1,4-Dichlorobenzene

Concen: 23.251 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW015191.D

Acq: 14 Apr 2020 14:08

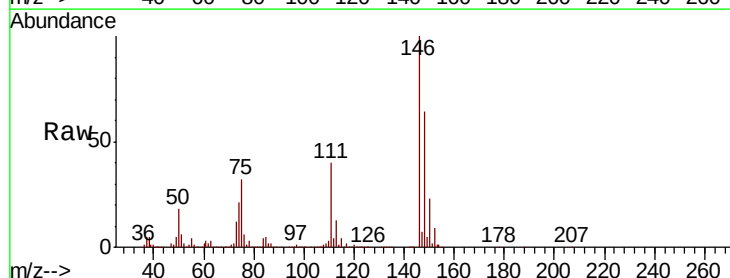
Tgt Ion:146 Resp: 605758

Ion Ratio Lower Upper

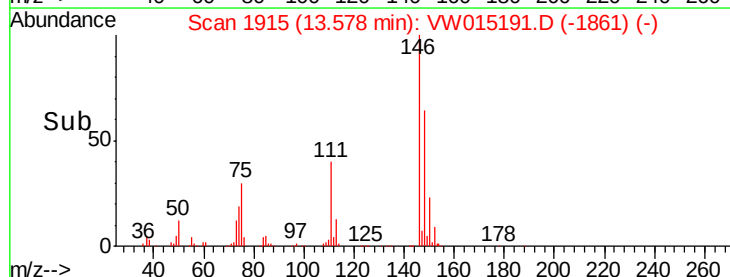
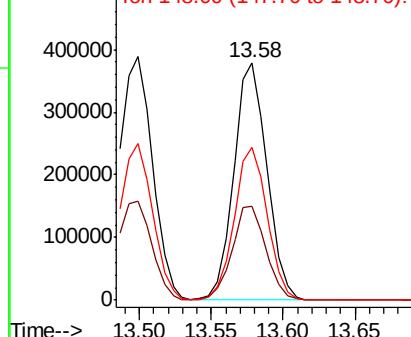
146 100

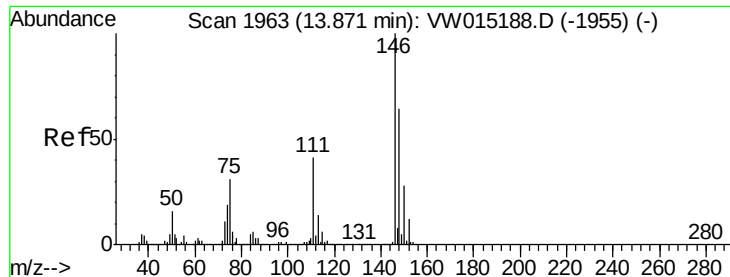
111 39.5 27.6 51.2

148 64.2 43.6 81.0



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





#65

1,2-Dichlorobenzene

Concen: 23.313 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW015191.D

Acq: 14 Apr 2020 14:08

Instrument :

MSVOA_W

ClientSampleId :

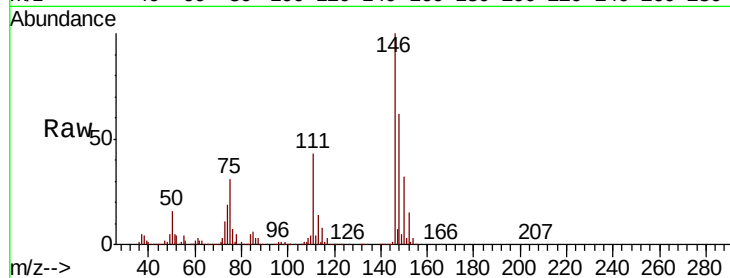
Tot Ion:146 Resp: 550993

Ion Ratio Lower Upper

146 100

111 42.8 33.0 49.4

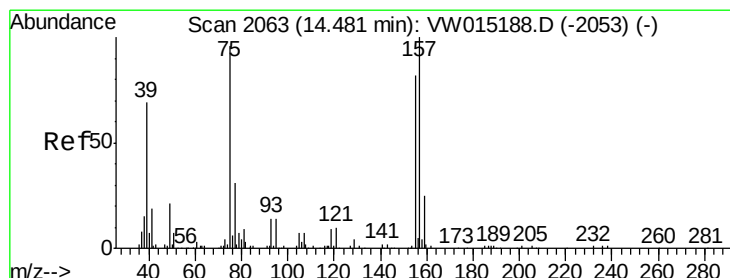
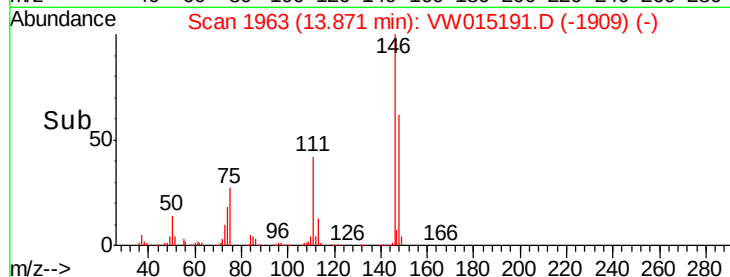
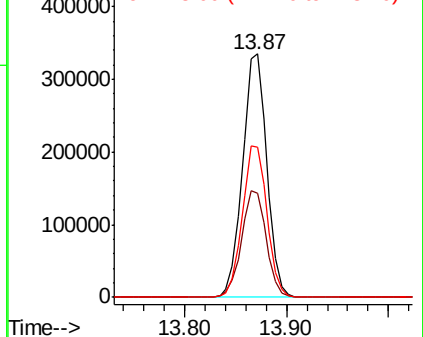
148 61.7 51.5 77.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 21.589 ug/L

RT: 14.48 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VW015191.D

Acq: 14 Apr 2020 14:08

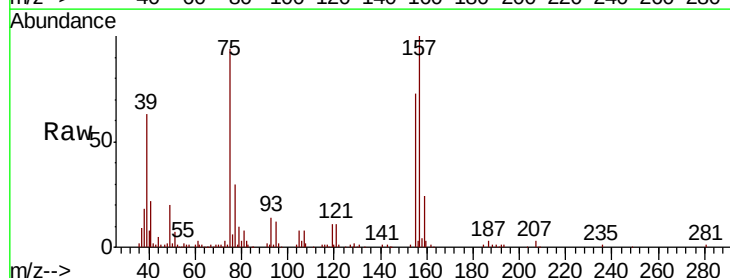
Tgt Ion: 75 Resp: 38664

Ion Ratio Lower Upper

75 100

157 106.1 83.4 125.2

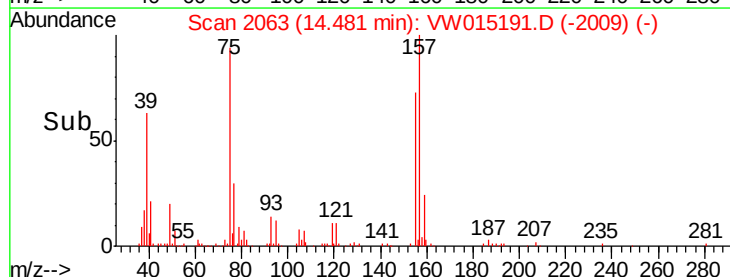
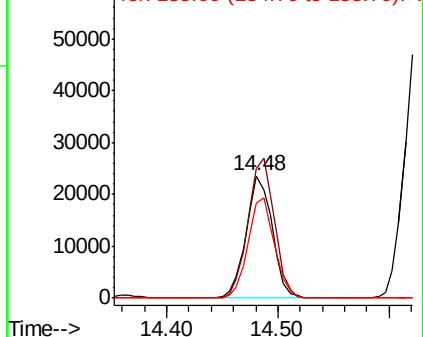
155 77.9 68.7 103.1

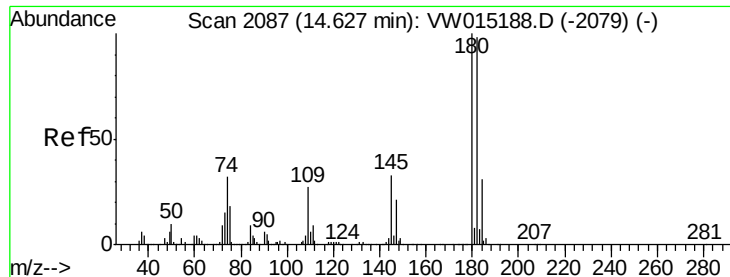


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

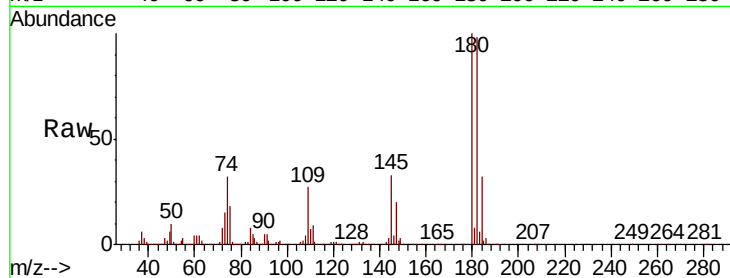




#67
 1,3,5-Trichlorobenzene
 Concen: 23.419 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW015191.D
 Acq: 14 Apr 2020 14:08

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:180	Resp:	425943
Ion Ratio	Lower	Upper
180	100	
182	96.9	78.0 117.0
184	31.0	24.1 36.1
145	31.6	25.5 38.3



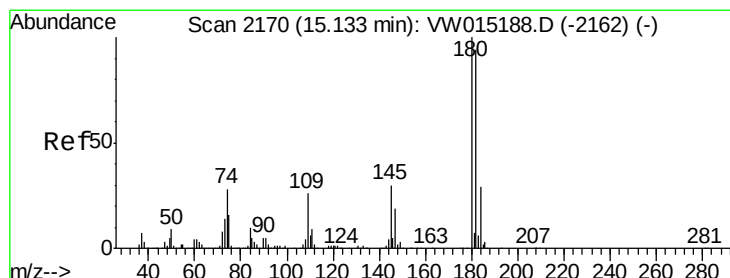
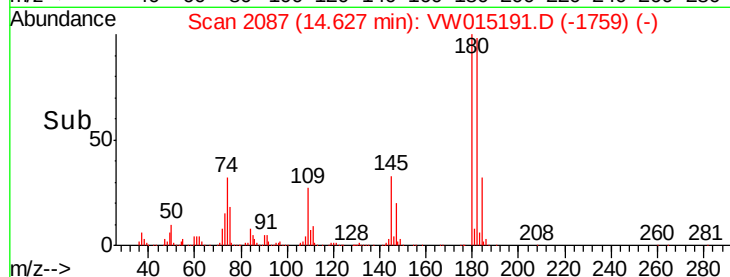
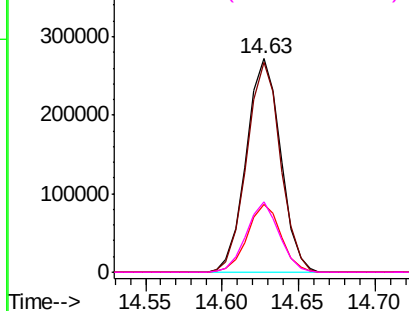
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

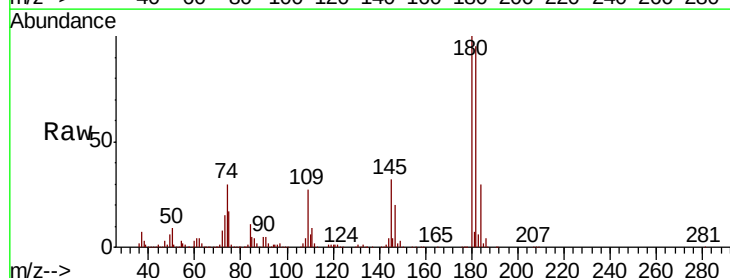
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 23.240 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW015191.D
 Acq: 14 Apr 2020 14:08

Tgt Ion:180	Resp:	347630
Ion Ratio	Lower	Upper
180	100	
182	95.8	74.6 111.8
145	32.8	25.4 38.2

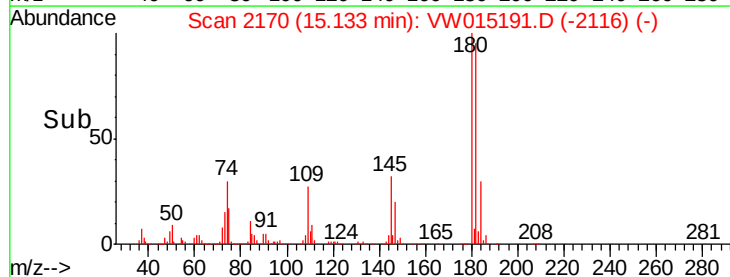
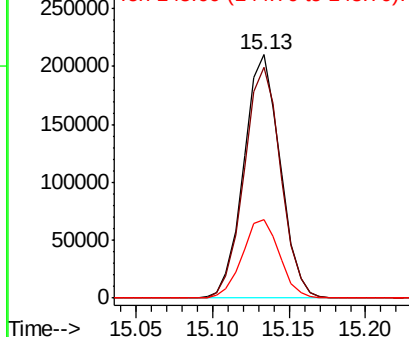


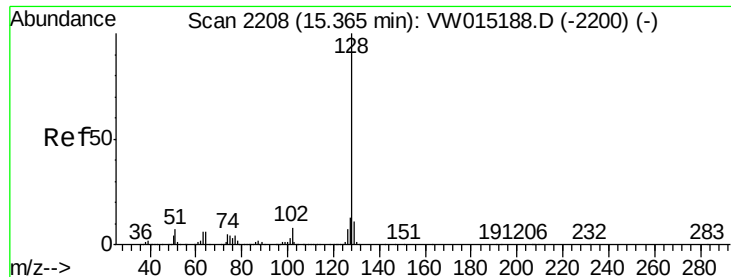
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 23.080 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW015191.D

Acq: 14 Apr 2020 14:08

Instrument :

MSVOA_W

ClientSampled :

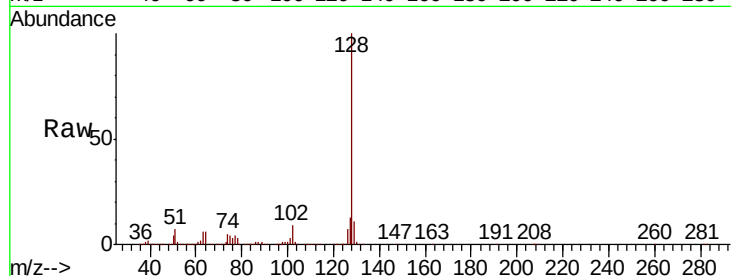
Tot Ion:128 Resp: 690002

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

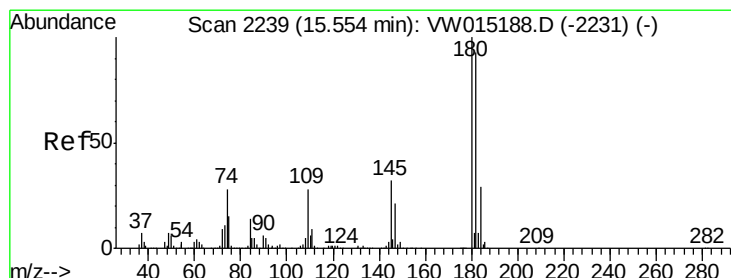
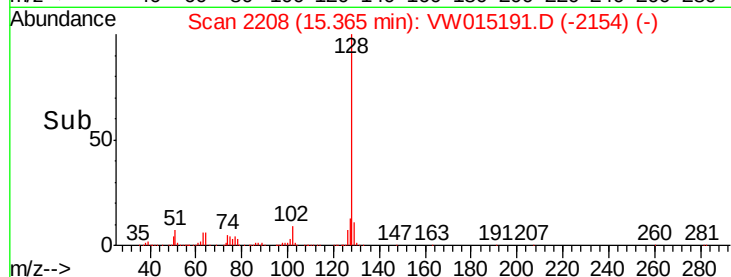
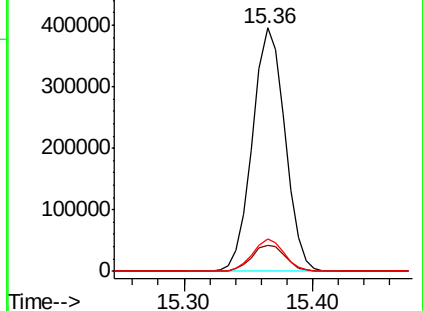
127 13.0 10.2 15.2



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: 23.352 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW015191.D

Acq: 14 Apr 2020 14:08

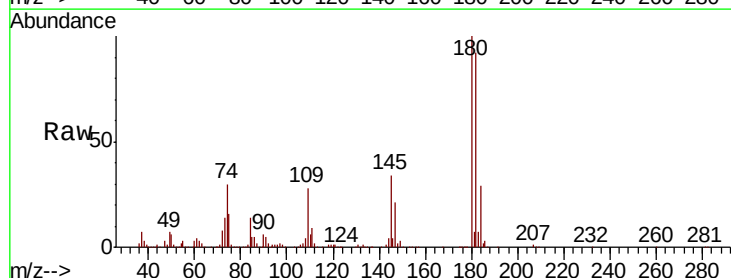
Tgt Ion:180 Resp: 298751

Ion Ratio Lower Upper

180 100

182 95.2 75.6 113.4

145 35.4 27.4 41.0



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

