

Data File : VW015348.D
Acq On : 27 Apr 2020 09:45
Operator : SY/VA
Sample : VSTD2.5
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.506

Quant Time: Apr 27 11:10:45 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042720S.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 27 11:03:58 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	345463	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	320628	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	161187	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	10828	3.45	ug/L	0.00
7) Chloroethane-d5	2.89	69	9461	3.57	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.03	63	19155	2.41	ug/L	0.00
20) 2-Butanone-d5	7.09	46	4103	4.06	ug/L	0.00
24) Chloroform-d	7.65	84	13969	1.81	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	10577	2.79	ug/L	0.00
29) Benzene-d6	8.28	84	37923	2.19	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	10757	2.06	ug/L	0.00
37) Toluene-d8	10.32	98	40166	2.45	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	5494	2.36	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	3595	3.87	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	8198	2.16	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	14693	2.60	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.00	85	12897	3.659 ug/L	100
3) Chloromethane	2.22	50	10742	2.537 ug/L	100
5) Vinyl chloride	2.36	62	12540	3.040 ug/L	99
6) Bromomethane	2.78	94	8423	3.632 ug/L	96
8) Chloroethane	2.92	64	8645	3.675 ug/L	99
9) Trichlorofluoromethane	3.26	101	18330	5.572 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	11295	2.411 ug/L	99
12) 1,1-Dichloroethene	4.05	96	10051	2.212 ug/L	92
13) Acetone	4.14	43	3819	5.209 ug/L	97
14) Carbon disulfide	4.39	76	31204	2.187 ug/L	99
15) Methyl Acetate	4.68	43	3383	2.010 ug/L	97
16) Methylene chloride	4.92	84	13143	2.735 ug/L	93
17) Methyl tert-butyl Ether	5.44	73	23444	3.904 ug/L	# 86
18) trans-1,2-Dichloroethene	5.44	96	11250	2.414 ug/L	94
19) 1,1-Dichloroethane	6.23	63	17025	2.152 ug/L	98
21) 2-Butanone	7.18	43	5411	4.584 ug/L	83
22) cis-1,2-Dichloroethene	7.18	96	11708	2.405 ug/L	98
23) Bromochloromethane	7.52	128	5206	2.570 ug/L	98
25) Chloroform	7.68	83	24183	3.141 ug/L	99
27) 1,2-Dichloroethane	8.40	62	11681	2.539 ug/L	99
30) Cyclohexane	7.96	56	16383	1.886 ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	18560	2.610 ug/L	98
32) Carbon tetrachloride	8.07	117	16915	2.597 ug/L	99
34) Benzene	8.32	78	40420	2.055 ug/L	100
35) Trichloroethene	9.09	95	11737	2.305 ug/L	97
36) Methylcyclohexane	9.34	83	19943	2.123 ug/L	98
40) 1,2-Dichloropropane	9.37	63	9111	1.910 ug/L	99
41) Bromodichloromethane	9.65	83	13876	2.330 ug/L	89
42) cis-1,3-Dichloropropene	10.07	75	15802	2.106 ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	9830	3.561 ug/L	99

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Instrument :
MSVOA_W
ClientSampleId :
VSTD2.506

Quant Time: Apr 27 11:10:45 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042720S.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 27 11:03:58 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	46826	2.243	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	13567	2.138	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	7488	2.218	ug/L	96
47) Tetrachloroethene	10.87	164	10849	2.806	ug/L	91
49) 2-Hexanone	10.97	43	7266	3.987	ug/L	98
50) Dibromochloromethane	11.13	129	9851	2.481	ug/L	96
51) 1,2-Dibromoethane	11.23	107	7227	2.278	ug/L	97
52) Chlorobenzene	11.66	112	30988	2.405	ug/L	97
53) Ethylbenzene	11.73	91	54221	2.316	ug/L	98
54) m,p-Xylene	11.84	106	21827	2.422	ug/L	91
55) o-xylene	12.16	106	19866	2.302	ug/L	90
56) Styrene	12.18	104	33351	2.313	ug/L	100
57) Isopropylbenzene	12.46	105	56286	2.428	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	8036	2.075	ug/L	99
59) 1,2,3-Trichloropropane	13.56	75	24066	8.450	ug/L	89
62) Bromoform	12.35	173	6007	2.410	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	25605	2.419	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	25040	2.420	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	22647	2.412	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	1531	2.152	ug/L	91
67) 1,3,5-Trichlorobenzene	14.63	180	18429	2.551	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	13869	2.334	ug/L	99
69) Naphthalene	15.36	128	22294	1.877	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	11853	2.332	ug/L	97

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

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Operator : SY/VA

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```
ALS Vial      : 1      Sample Multiplier: 1
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Instrument :
MSVOA_W
ClientSampleId :
VSTD2.506

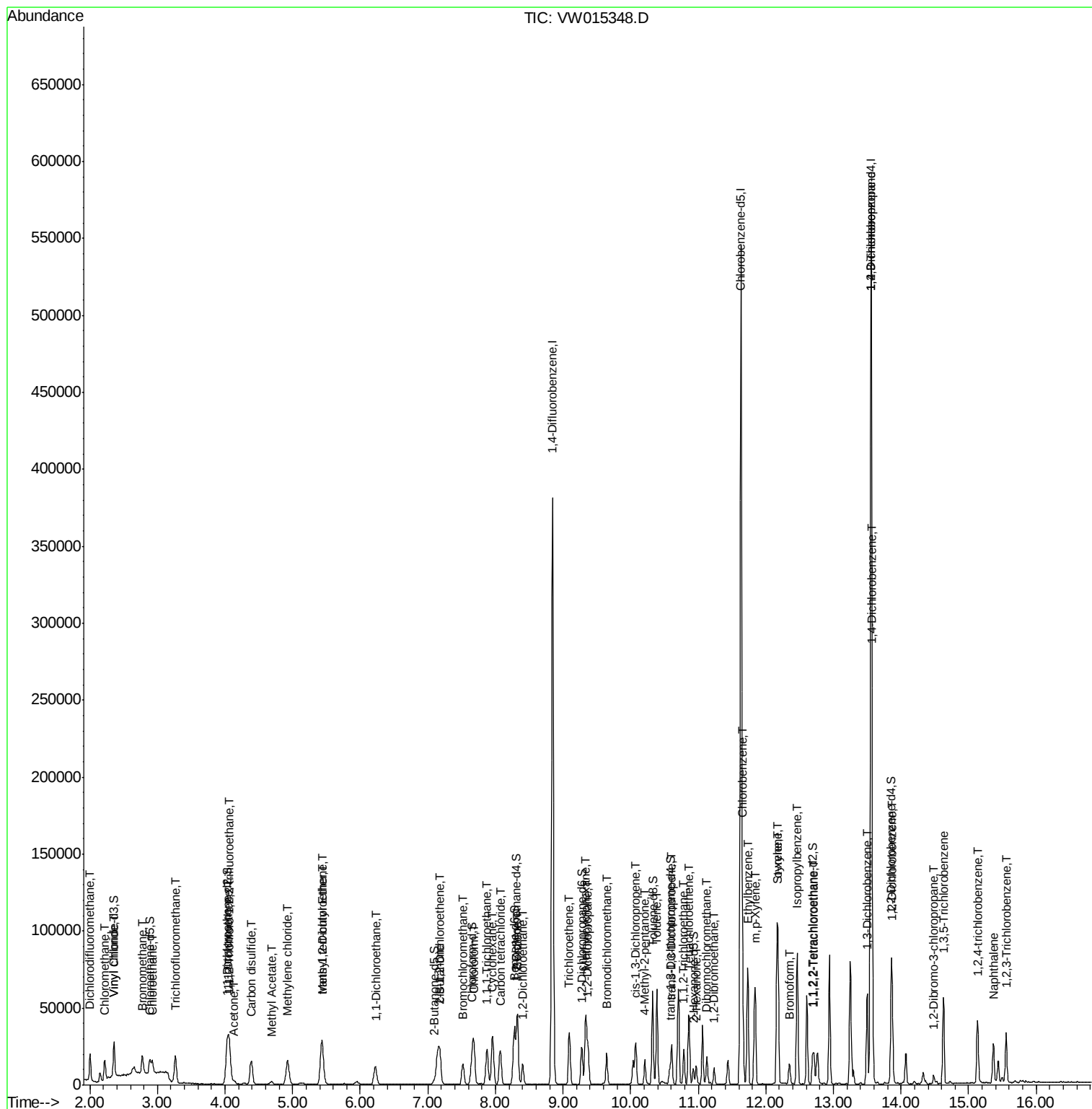
Quant Time: Apr 27 11:10:45 2020

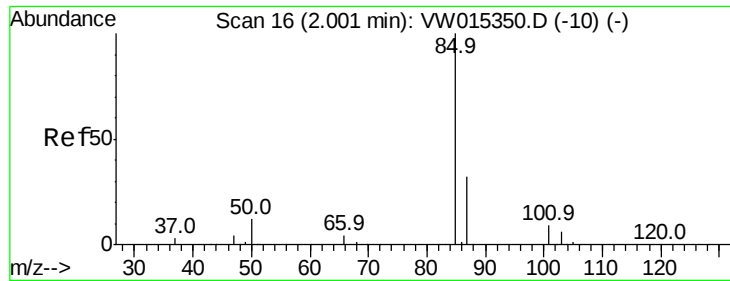
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042720S.M

Quant Title : VOC Analysis

QLast Update : Mon Apr 27 11:03:58 2020

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 3.659 ug/L

RT: 2.00 min Scan# 16

Delta R.T. -0.00 min

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Acq: 27 Apr 2020 09:45

Instrument :

MSVOA_W

ClientSampleId :

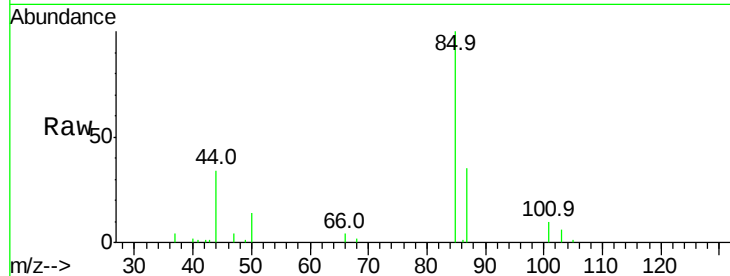
VSTD2.506

Tgt Ion: 85 Resp: 12897

Ion Ratio Lower Upper

85 100

87 32.3 22.6 42.0



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW

2.00

10000

8000

6000

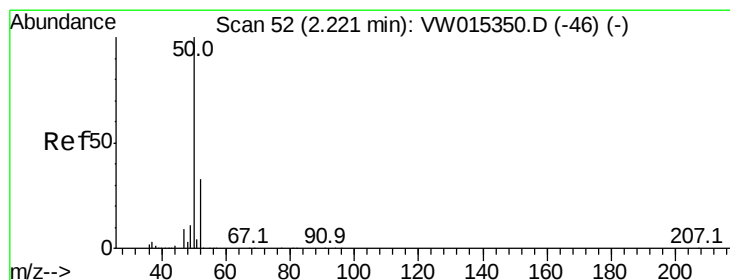
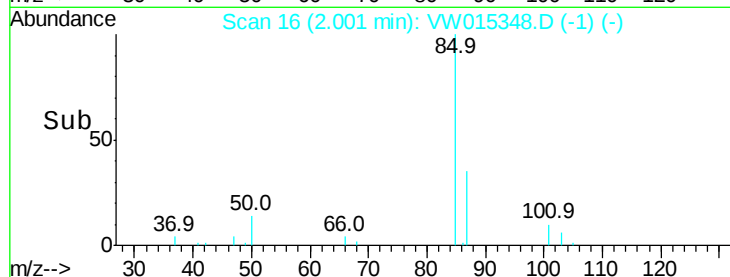
4000

2000

0

Time-->

1.95 2.00 2.05



#3

Chloromethane

Concen: 2.537 ug/L

RT: 2.22 min Scan# 52

Delta R.T. -0.00 min

Lab File: VW015348.D

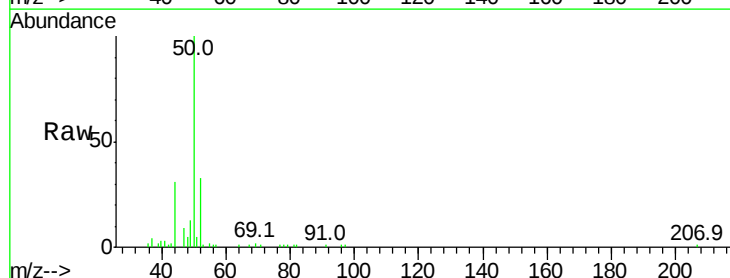
Acq: 27 Apr 2020 09:45

Tgt Ion: 50 Resp: 10742

Ion Ratio Lower Upper

50 100

52 32.8 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW

2.22

8000

6000

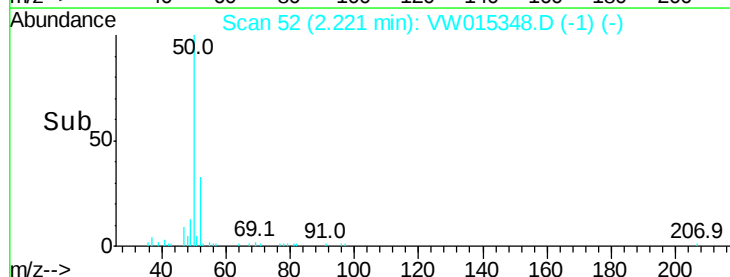
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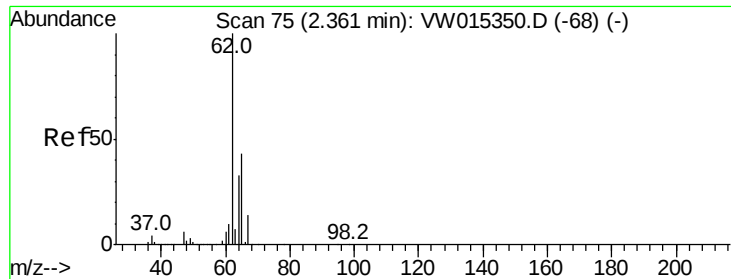
2000

0

Time-->

2.15 2.20 2.25





#5

Vinyl chloride

Concen: 3.040 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW015348.D

Acq: 27 Apr 2020 09:45

Instrument :

MSVOA_W

ClientSampleId :

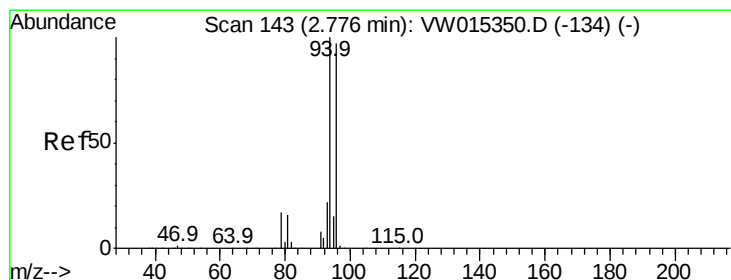
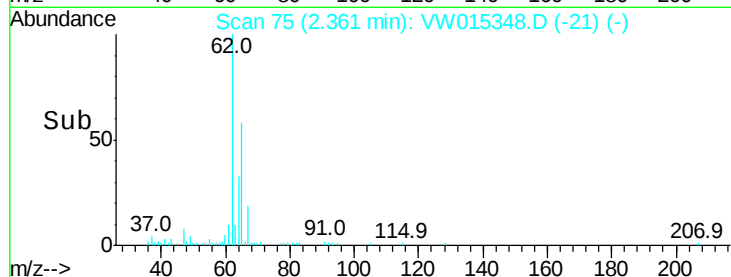
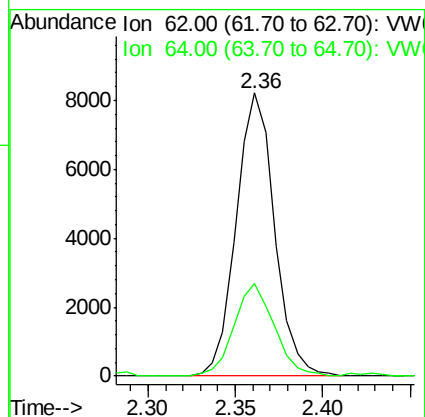
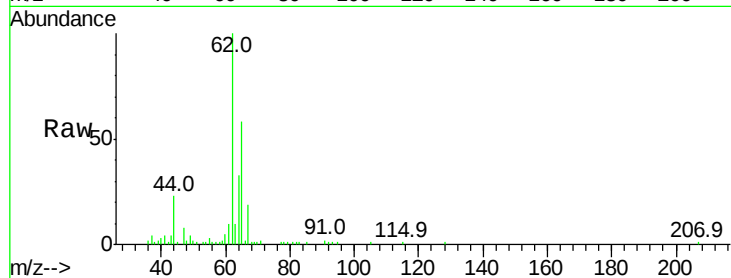
VSTD2.506

Tgt Ion: 62 Resp: 12540

Ion Ratio Lower Upper

62 100

64 32.9 22.7 42.3



#6

Bromomethane

Concen: 3.632 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW015348.D

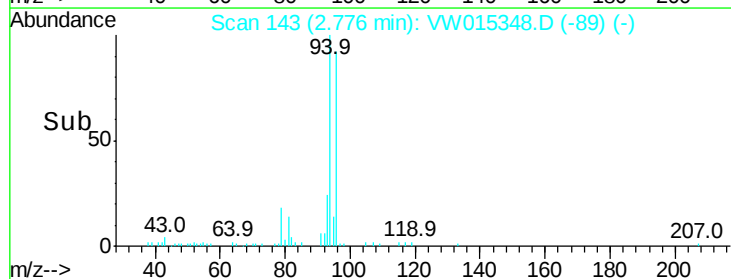
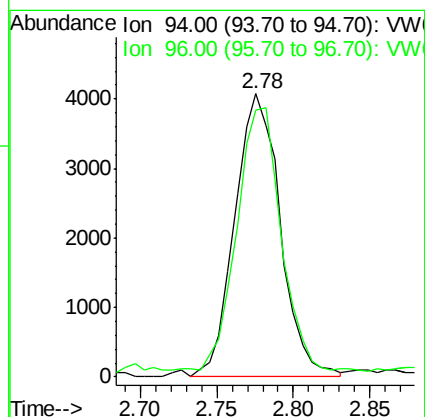
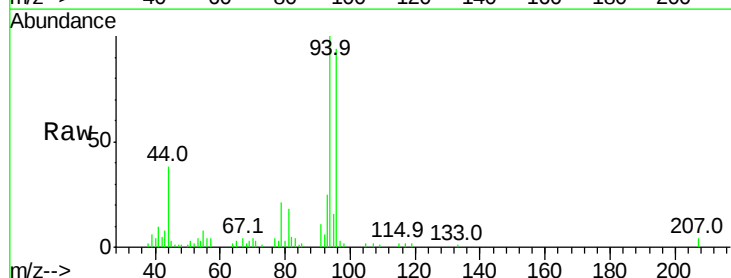
Acq: 27 Apr 2020 09:45

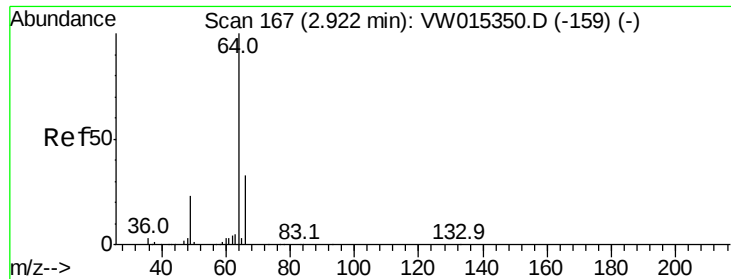
Tgt Ion: 94 Resp: 8423

Ion Ratio Lower Upper

94 100

96 90.7 9.5 180.5





#8

Chloroethane

Concen: 3.675 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW015348.D

Acq: 27 Apr 2020 09:45

Instrument :

MSVOA_W

ClientSampleId :

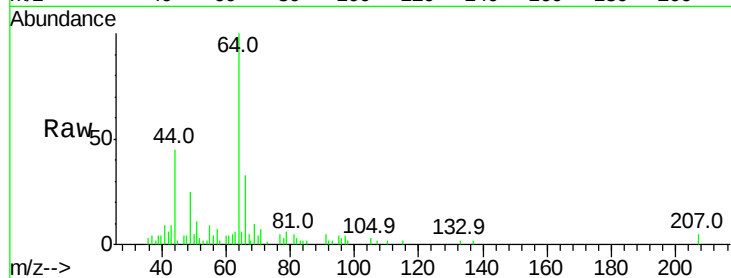
VSTD2.506

Tgt Ion: 64 Resp: 8645

Ion Ratio Lower Upper

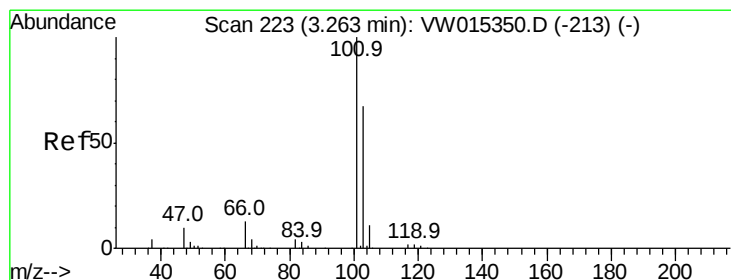
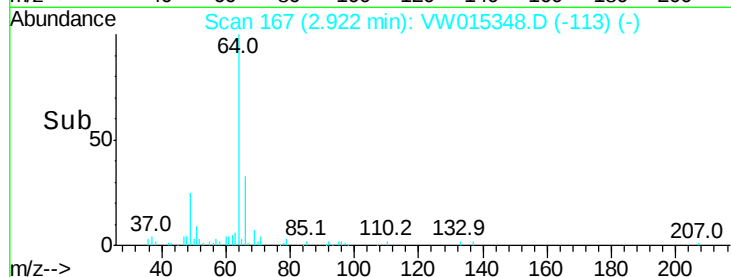
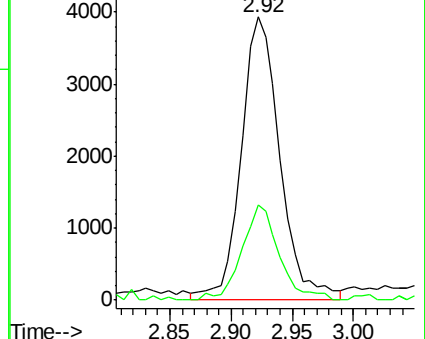
64 100

66 33.5 22.9 42.5



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW



#9

Trichlorofluoromethane

Concen: 5.572 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.00 min

Lab File: VW015348.D

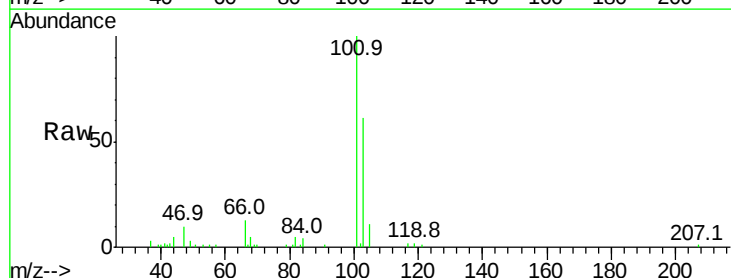
Acq: 27 Apr 2020 09:45

Tgt Ion: 101 Resp: 18330

Ion Ratio Lower Upper

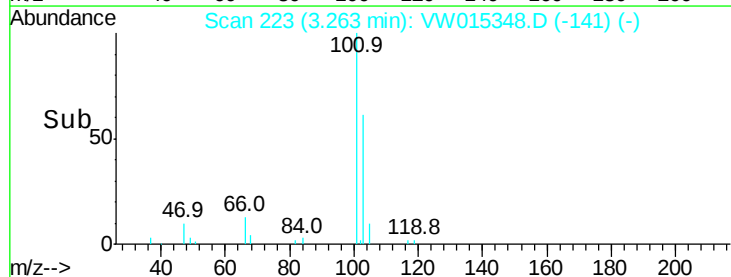
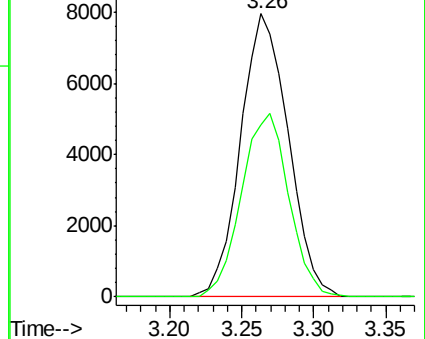
101 100

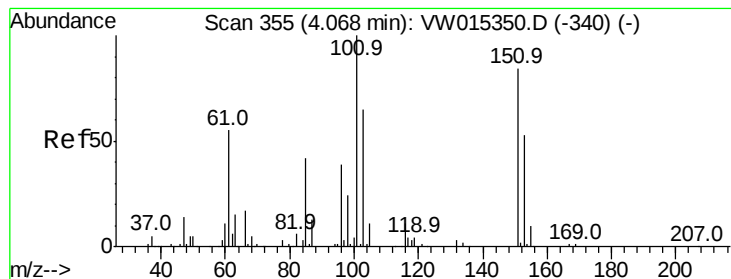
103 64.2 45.8 85.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#11

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

Concen: 2.411 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW015348.D

Acq: 27 Apr 2020 09:45

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.506

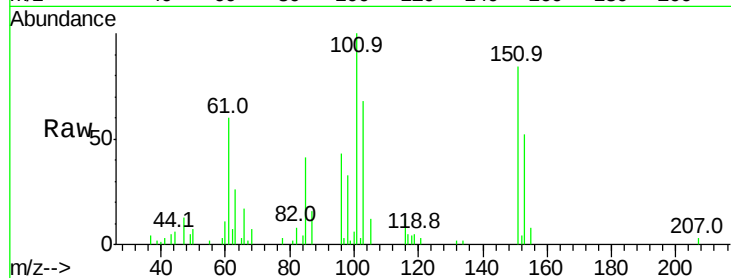
Tgt Ion:101 Resp: 11295

Ion Ratio Lower Upper

101 100

85 43.1 34.0 51.0

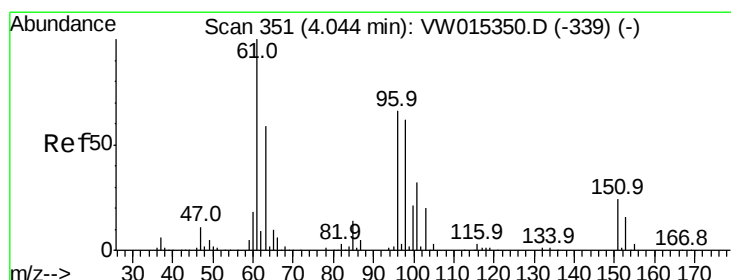
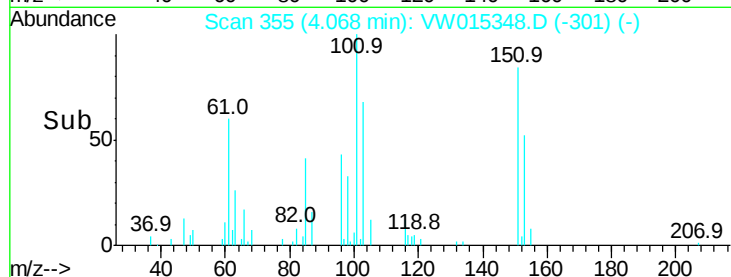
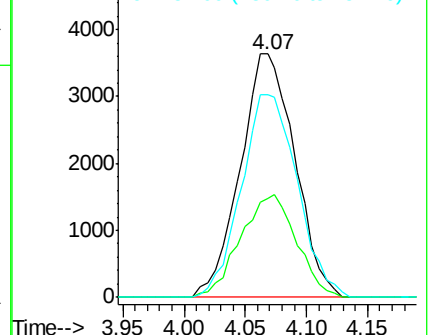
151 85.3 67.0 100.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 2.212 ug/L

RT: 4.05 min Scan# 352

Delta R.T. 0.01 min

Lab File: VW015348.D

Acq: 27 Apr 2020 09:45

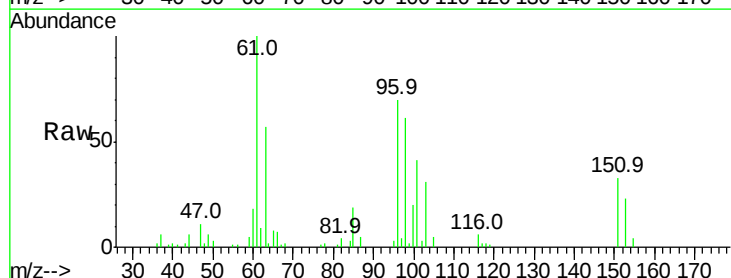
Tgt Ion: 96 Resp: 10051

Ion Ratio Lower Upper

96 100

61 143.6 106.2 197.2

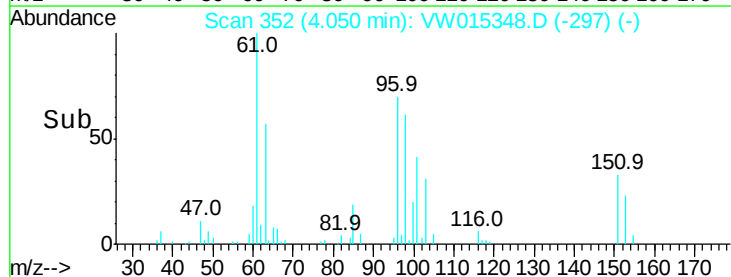
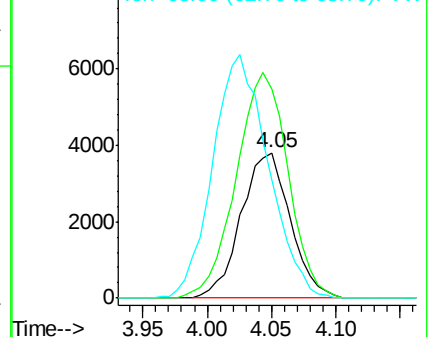
63 81.4 63.7 118.3

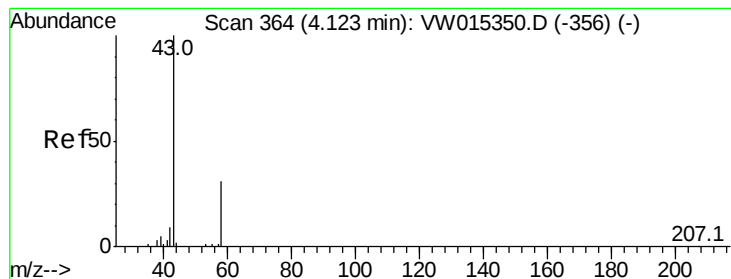


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 5.209 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW015348.D

Acq: 27 Apr 2020 09:45

Instrument :

MSVOA_W

ClientSampleId :

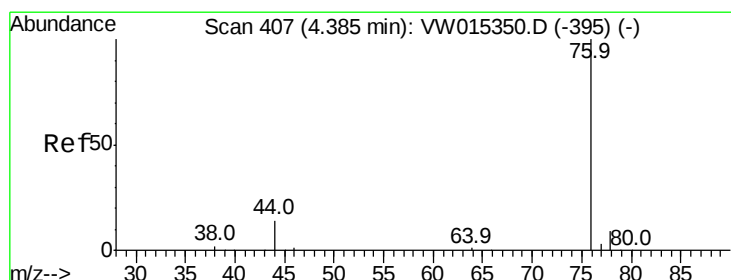
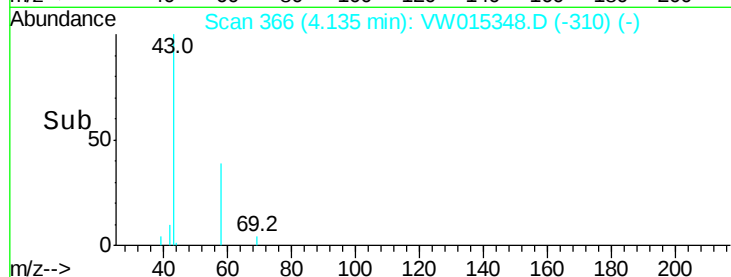
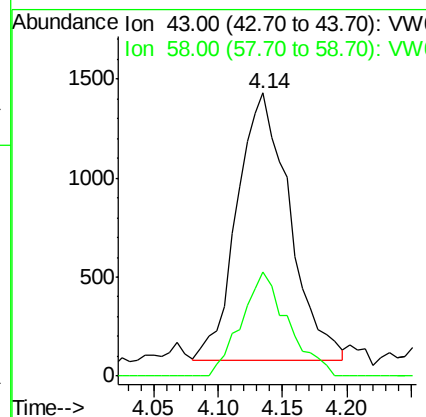
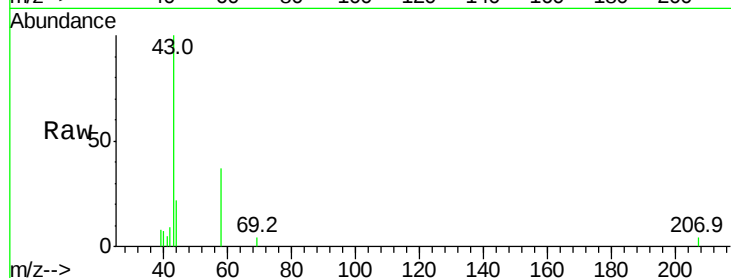
VSTD2.506

Tgt Ion: 43 Resp: 3819

Ion Ratio Lower Upper

43 100

58 34.6 0.0 65.8



#14

Carbon disulfide

Concen: 2.187 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.01 min

Lab File: VW015348.D

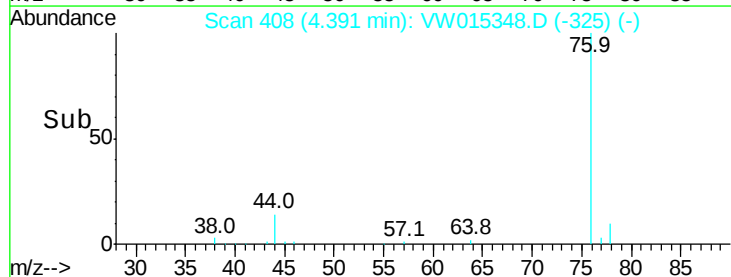
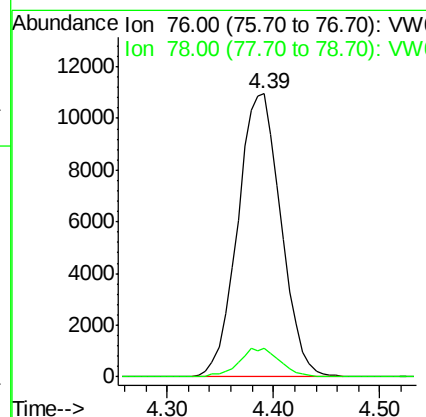
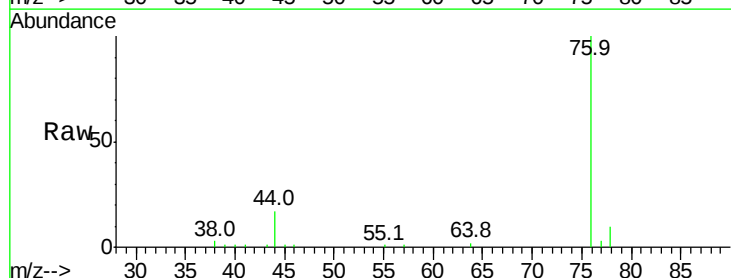
Acq: 27 Apr 2020 09:45

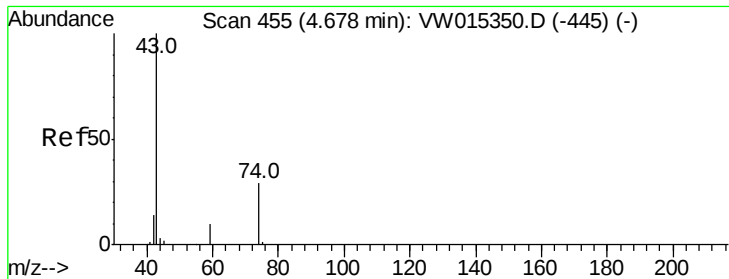
Tgt Ion: 76 Resp: 31204

Ion Ratio Lower Upper

76 100

78 9.9 7.5 11.3

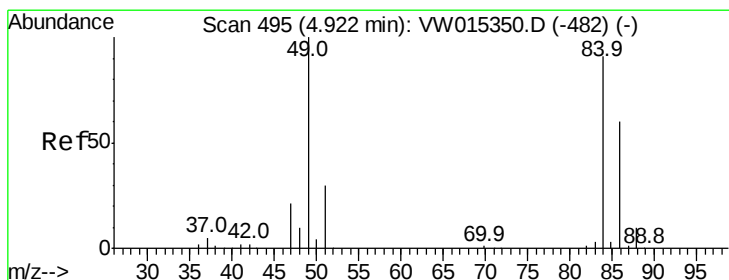
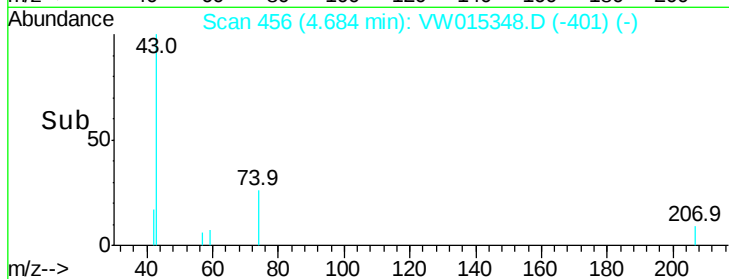
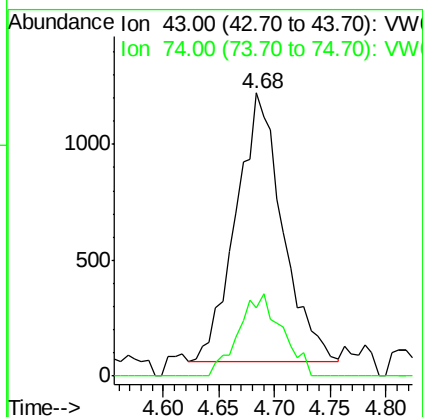
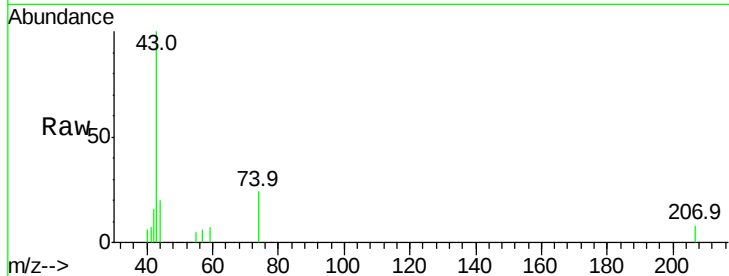




#15
Methyl Acetate
Concen: 2.010 ug/L
RT: 4.68 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW015348.D
Acq: 27 Apr 2020 09:45

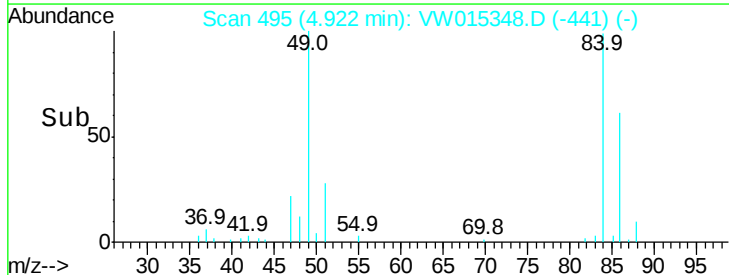
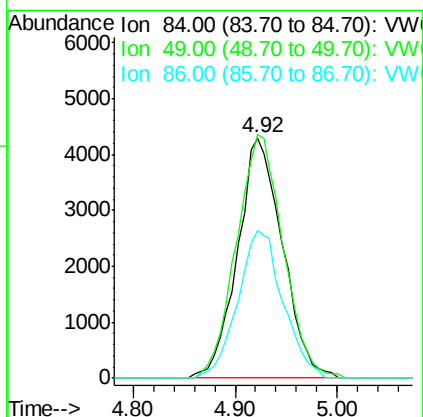
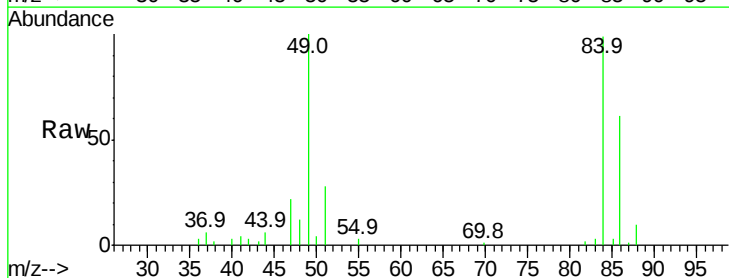
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.506

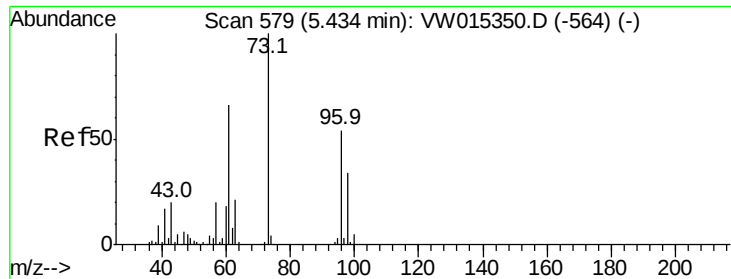
Tgt Ion: 43 Resp: 3383
Ion Ratio Lower Upper
43 100
74 27.2 22.9 34.3



#16
Methylene chloride
Concen: 2.735 ug/L
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW015348.D
Acq: 27 Apr 2020 09:45

Tgt Ion: 84 Resp: 13143
Ion Ratio Lower Upper
84 100
49 101.3 76.7 142.5
86 61.6 45.9 85.3

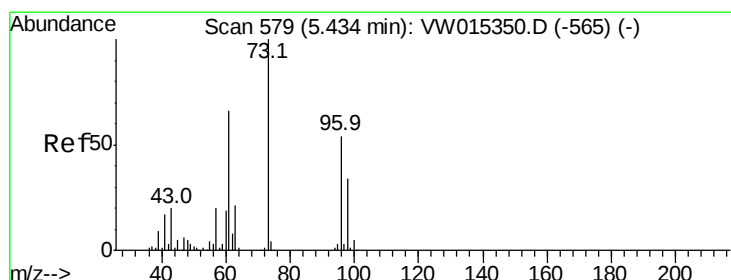
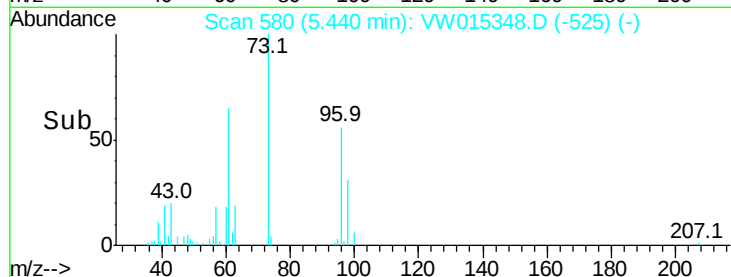
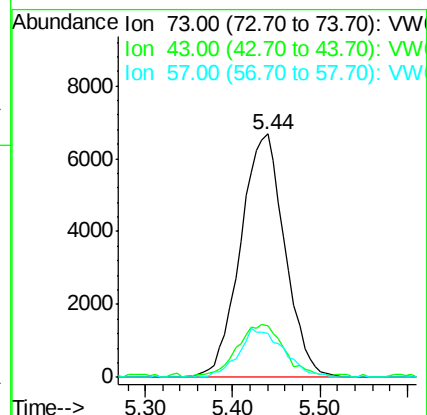
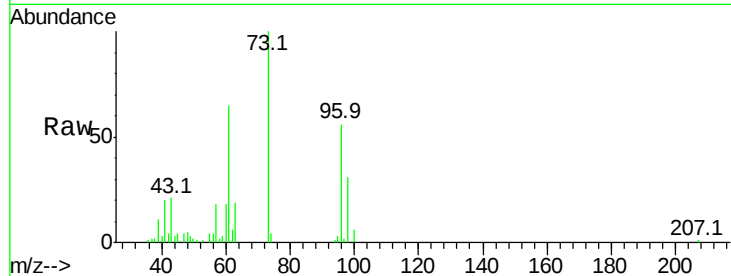




#17
Methyl tert-butyl Ether
Concen: 3.904 ug/L
RT: 5.44 min Scan# 580
Delta R.T. 0.01 min
Lab File: VW015348.D
Acq: 27 Apr 2020 09:45

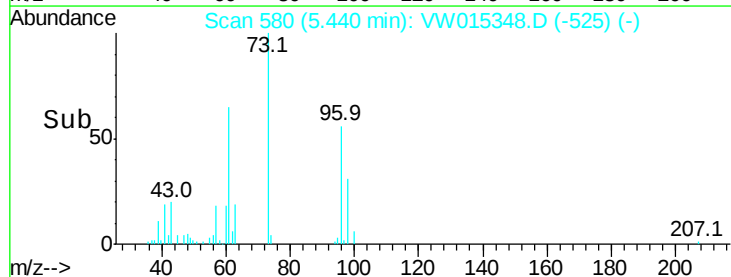
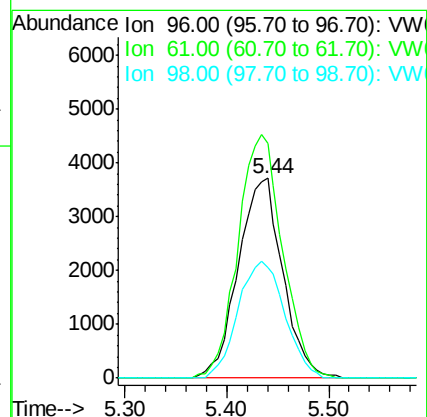
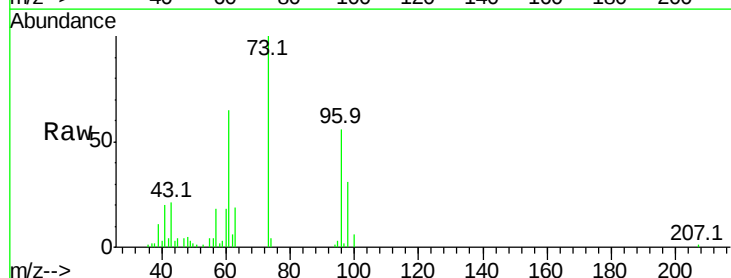
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.506

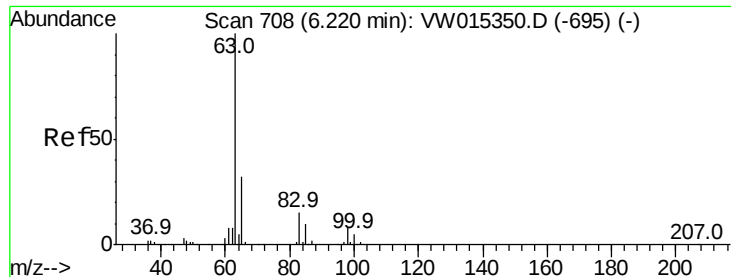
Tgt Ion: 73 Resp: 23444
Ion Ratio Lower Upper
73 100
43 23.2 16.6 24.8
57 9.2 16.1 24.1#



#18
trans-1,2-Dichloroethene
Concen: 2.414 ug/L
RT: 5.44 min Scan# 580
Delta R.T. 0.01 min
Lab File: VW015348.D
Acq: 27 Apr 2020 09:45

Tgt Ion: 96 Resp: 11250
Ion Ratio Lower Upper
96 100
61 117.1 84.9 157.7
98 55.4 44.4 82.4





#19

1,1-Dichloroethane

Concen: 2.152 ug/L

RT: 6.23 min Scan# 709

Delta R.T. 0.01 min

Lab File: VW015348.D

Acq: 27 Apr 2020 09:45

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.506

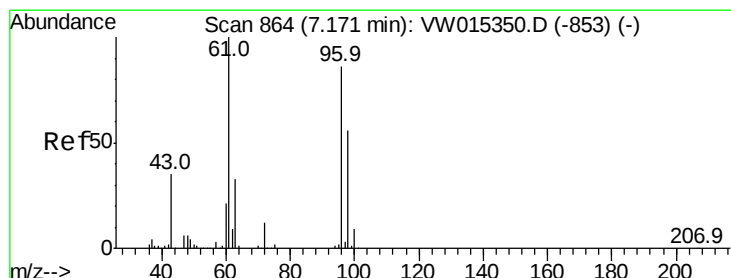
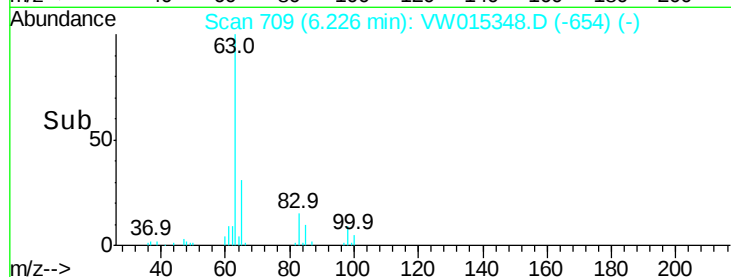
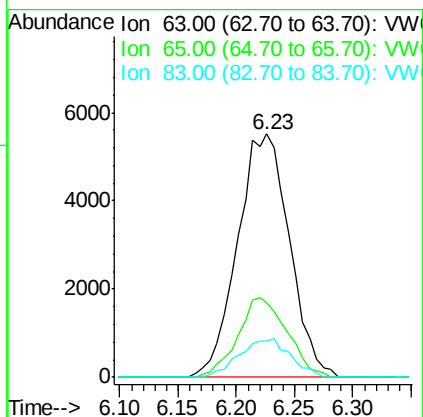
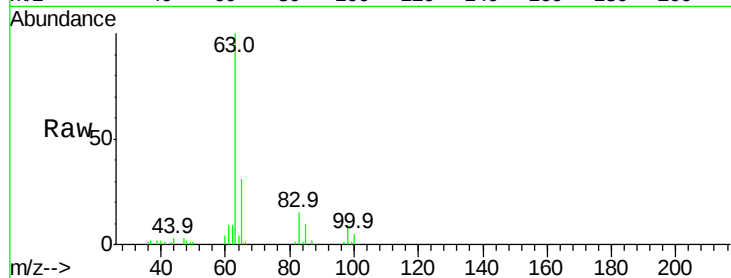
Tgt Ion: 63 Resp: 17025

Ion Ratio Lower Upper

63 100

65 30.7 22.3 41.3

83 14.8 10.6 19.6



#21

2-Butanone

Concen: 4.584 ug/L

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW015348.D

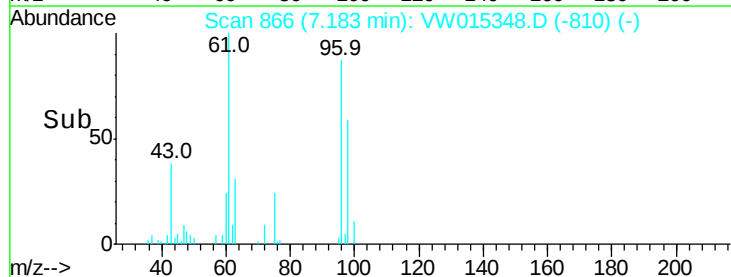
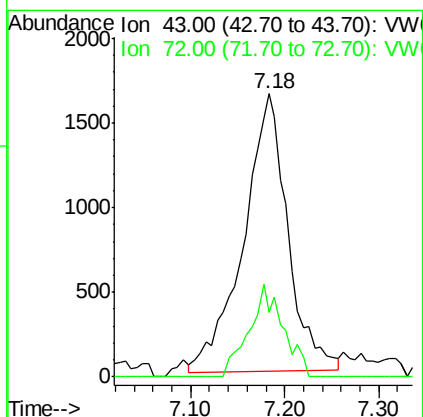
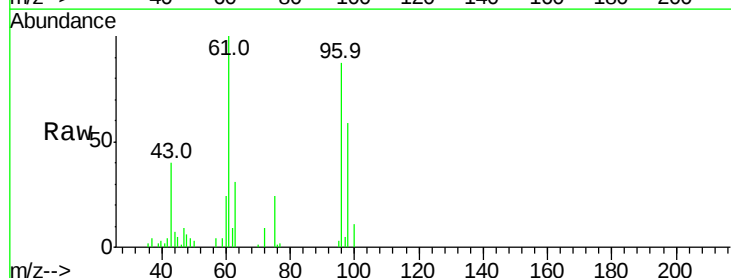
Acq: 27 Apr 2020 09:45

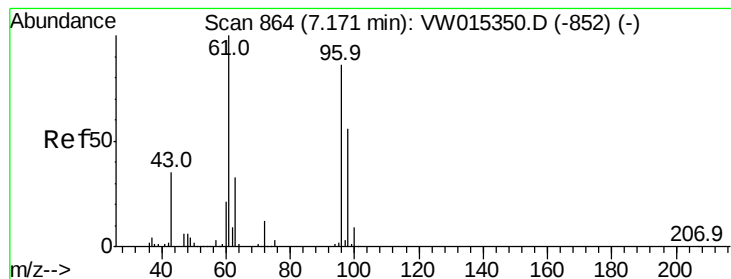
Tgt Ion: 43 Resp: 5411

Ion Ratio Lower Upper

43 100

72 23.4 16.6 49.7



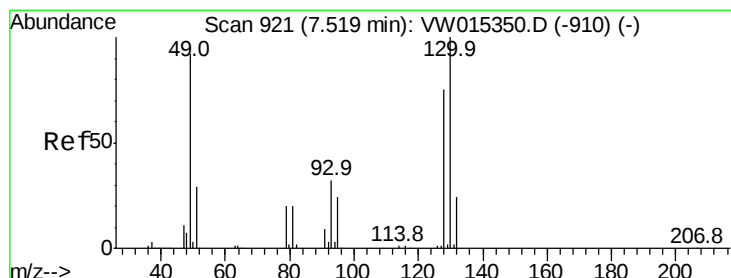
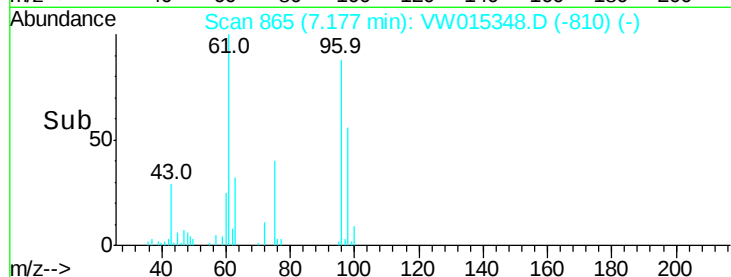
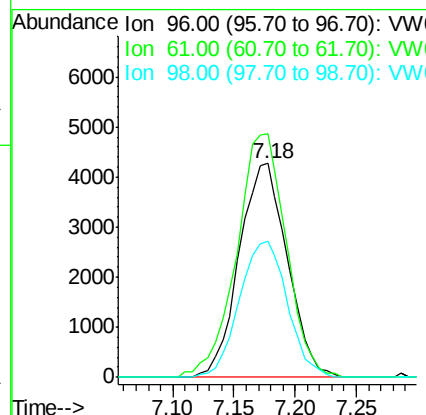
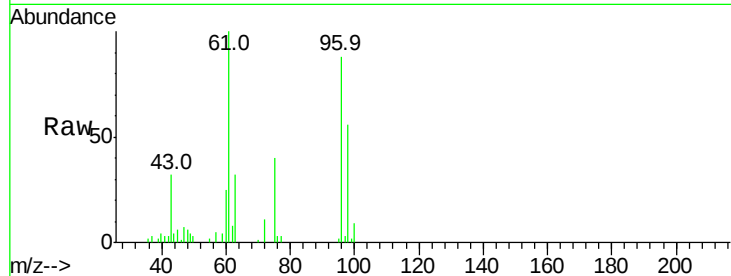


#22

cis-1,2-Dichloroethene
Concen: 2.405 ug/L
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW015348.D
Acq: 27 Apr 2020 09:45

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.506

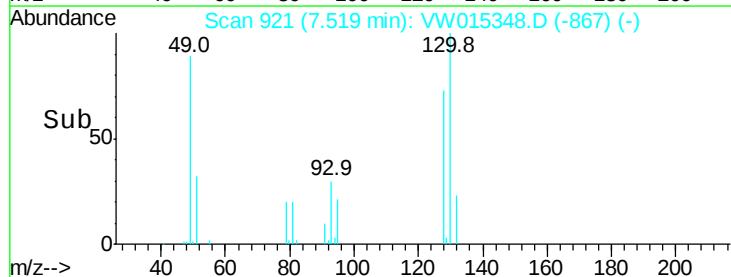
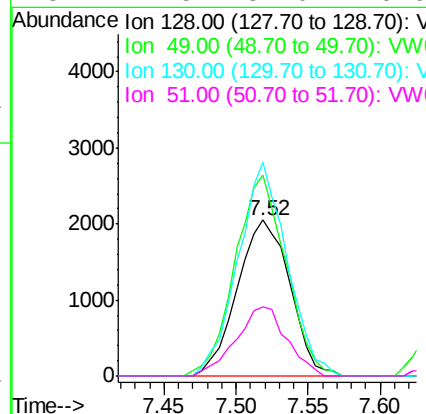
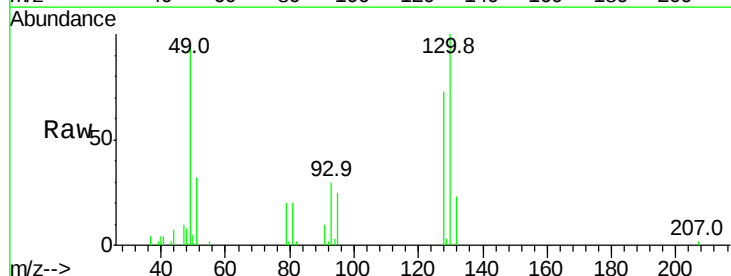
Tgt Ion: 96 Resp: 11708
Ion Ratio Lower Upper
96 100
61 113.8 81.2 150.8
98 63.8 45.4 84.2

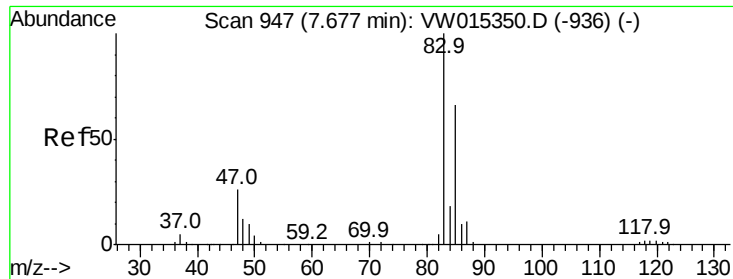


#23

Bromochloromethane
Concen: 2.570 ug/L
RT: 7.52 min Scan# 921
Delta R.T. -0.00 min
Lab File: VW015348.D
Acq: 27 Apr 2020 09:45

Tgt Ion: 128 Resp: 5206
Ion Ratio Lower Upper
128 100
49 124.0 85.1 158.1
130 132.0 92.9 172.5
51 42.5 31.0 46.6

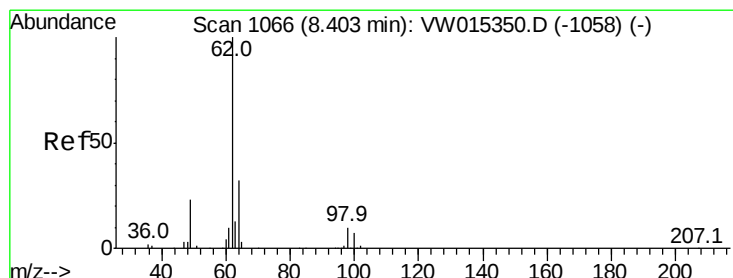
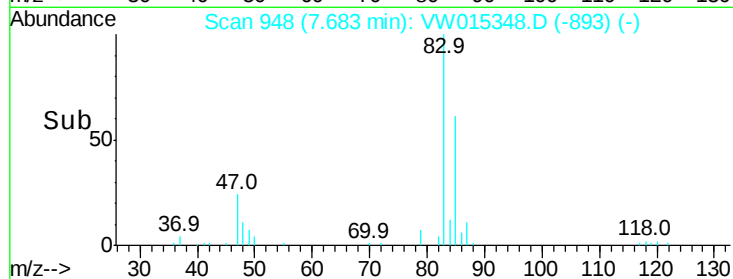
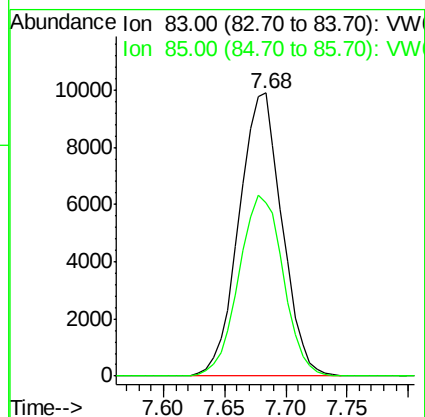
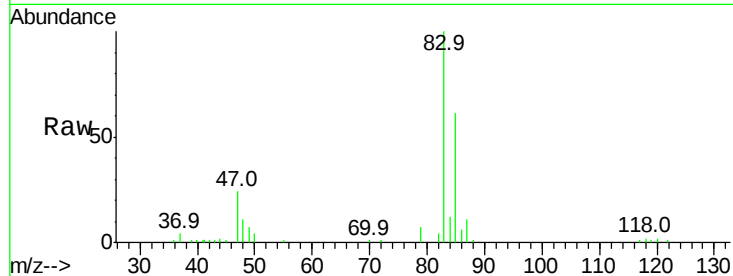




#25
Chloroform
Concen: 3.141 ug/L
RT: 7.68 min Scan# 948
Delta R.T. 0.01 min
Lab File: VW015348.D
Acq: 27 Apr 2020 09:45

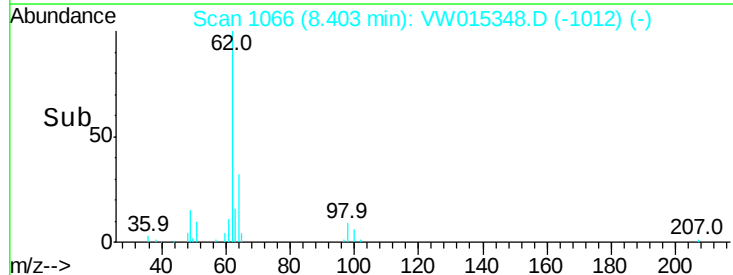
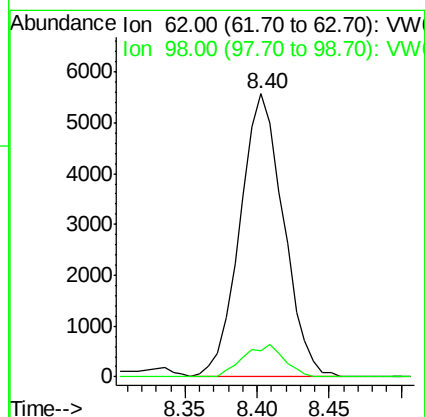
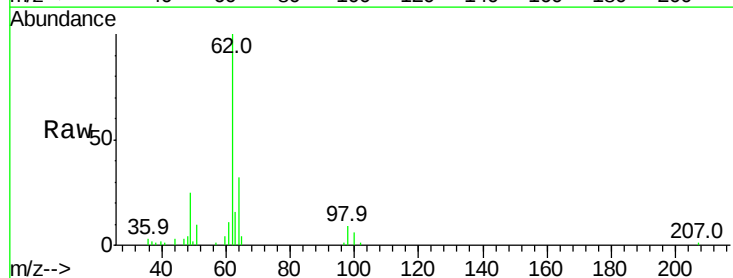
Instrument :
MSVOA_W
ClientSampled :
VSTD2.506

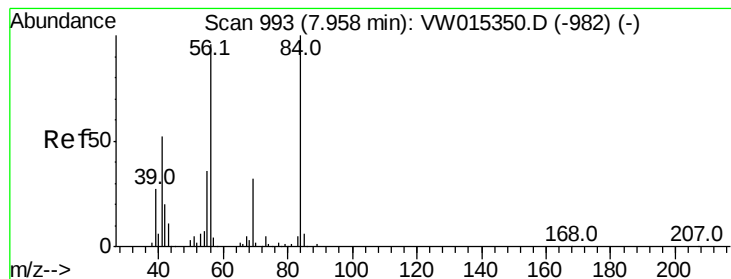
Tgt Ion: 83 Resp: 24183
Ion Ratio Lower Upper
83 100
85 65.8 45.7 84.9



#27
1,2-Dichloroethane
Concen: 2.539 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW015348.D
Acq: 27 Apr 2020 09:45

Tgt Ion: 62 Resp: 11681
Ion Ratio Lower Upper
62 100
98 9.3 7.8 11.6





#30

Cyclohexane

Concen: 1.886 ug/L

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW015348.D

Acq: 27 Apr 2020 09:45

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.506

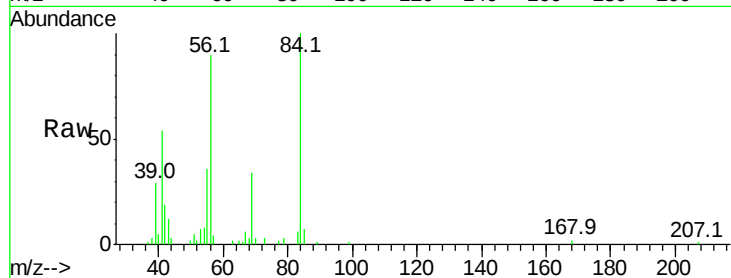
Tgt Ion: 56 Resp: 16383

Ion Ratio Lower Upper

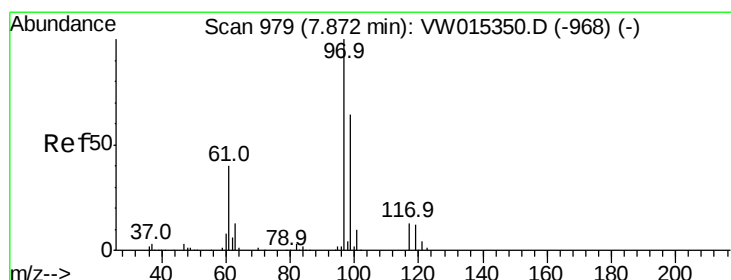
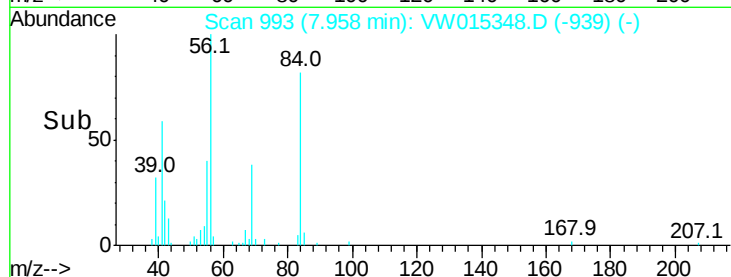
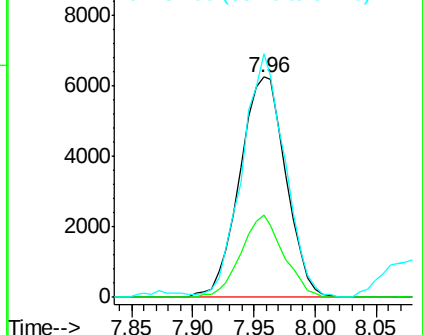
56 100

69 34.3 27.4 41.2

84 102.2 81.8 122.6



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



#31

1,1,1-Trichloroethane

Concen: 2.610 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW015348.D

Acq: 27 Apr 2020 09:45

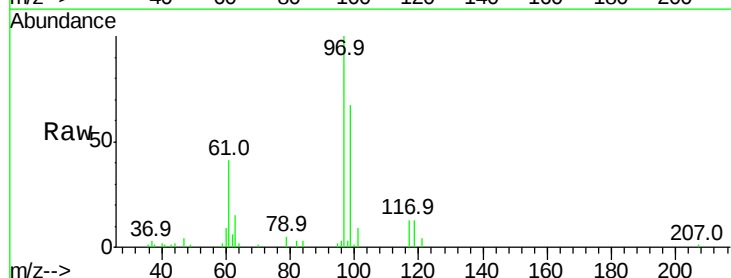
Tgt Ion: 97 Resp: 18560

Ion Ratio Lower Upper

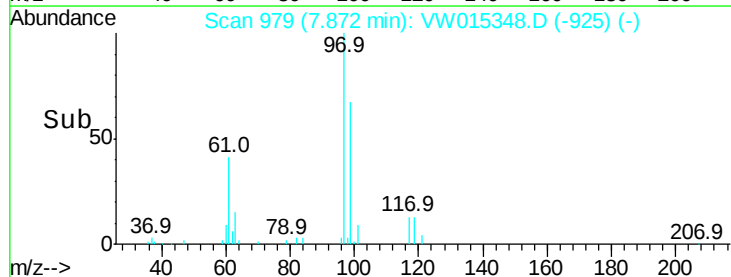
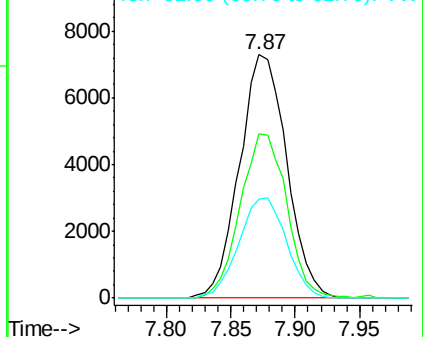
97 100

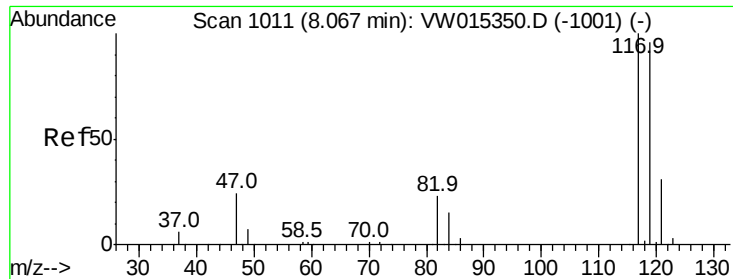
99 66.4 51.0 76.4

61 41.4 32.8 49.2



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 2.597 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VW015348.D

Acq: 27 Apr 2020 09:45

Instrument :

MSVOA_W

ClientSampleId :

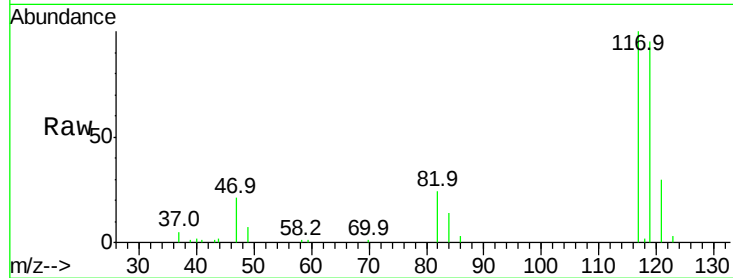
VSTD2.506

Tgt Ion:117 Resp: 16915

Ion Ratio Lower Upper

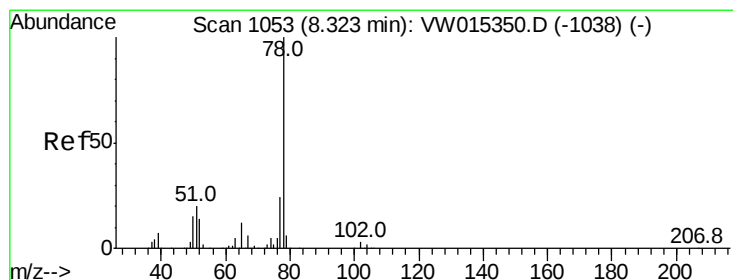
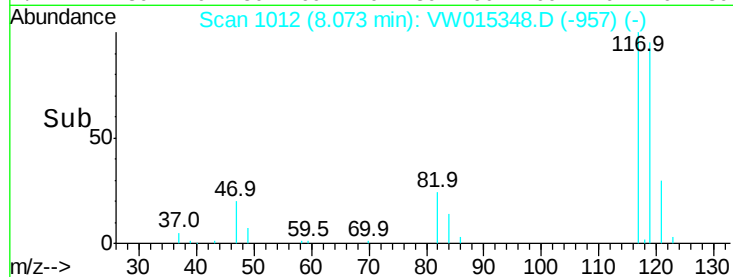
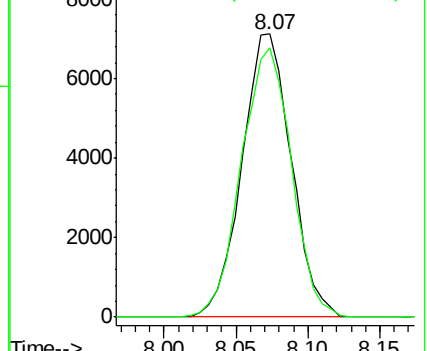
117 100

119 96.8 76.3 114.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 2.055 ug/L

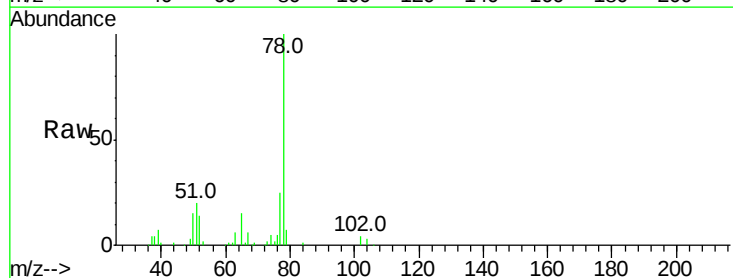
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

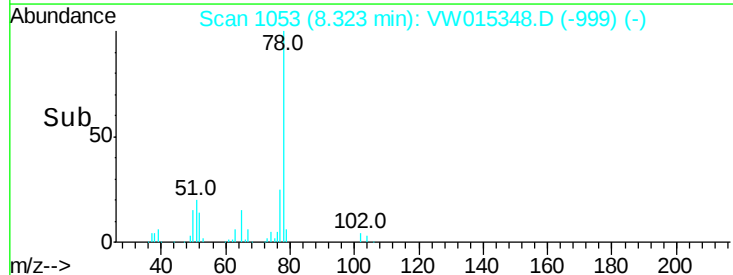
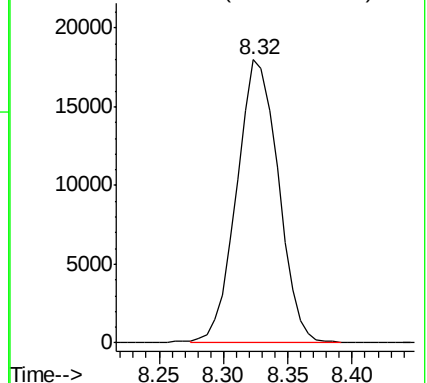
Lab File: VW015348.D

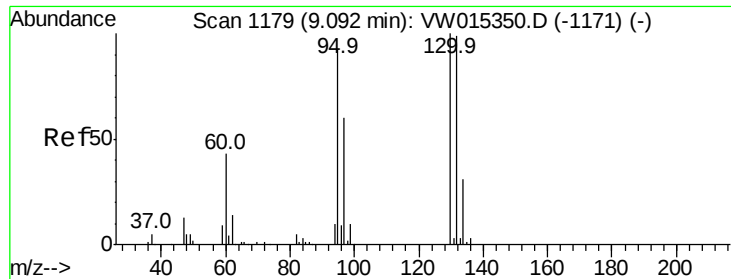
Acq: 27 Apr 2020 09:45

Tgt Ion: 78 Resp: 40420



Abundance Ion 78.00 (77.70 to 78.70): VW

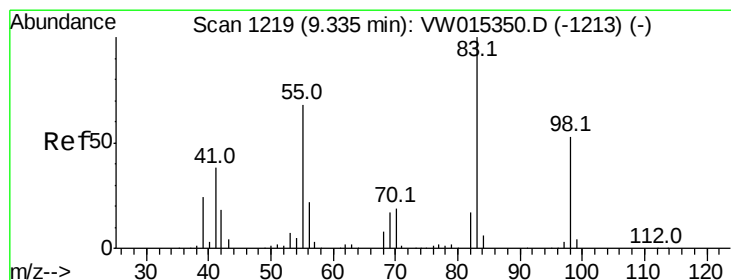
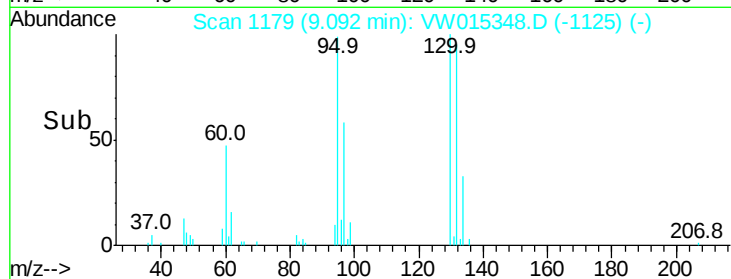
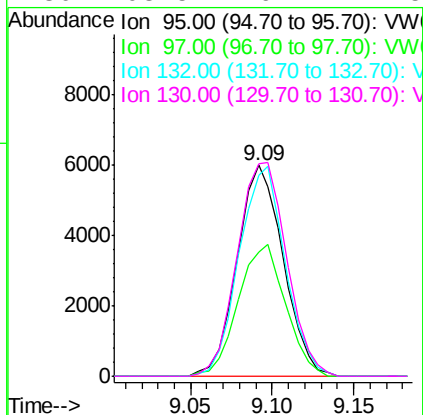
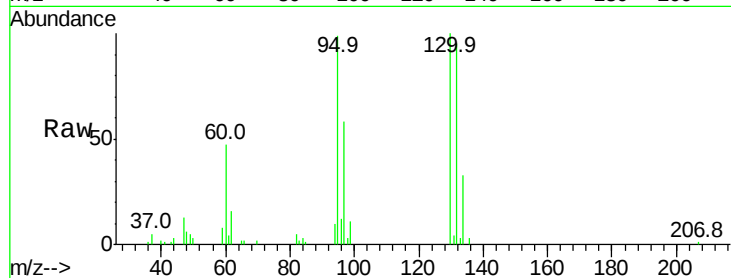




#35
 Trichloroethene
 Concen: 2.305 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW015348.D
 Acq: 27 Apr 2020 09:45

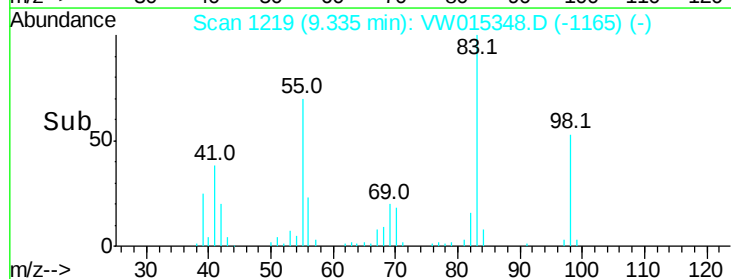
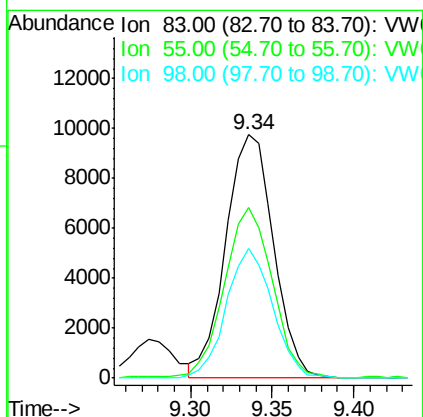
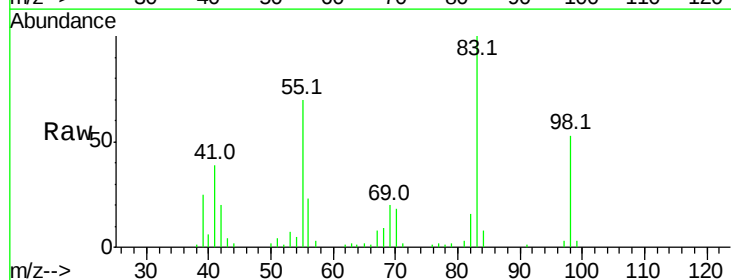
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.506

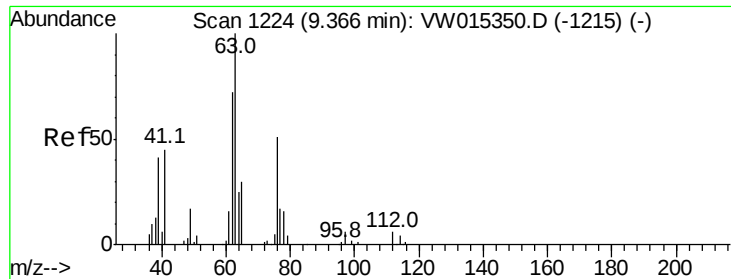
Tgt Ion:	95	Resp:	11737
Ion	Ratio	Lower	Upper
95	100		
97	64.0	45.6	84.6
132	99.8	74.5	138.5
130	108.5	76.7	142.5



#36
 Methylcyclohexane
 Concen: 2.123 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW015348.D
 Acq: 27 Apr 2020 09:45

Tgt Ion:	83	Resp:	19943
Ion	Ratio	Lower	Upper
83	100		
55	70.4	53.8	80.8
98	51.6	41.0	61.4





#40

1,2-Dichloropropane

Concen: 1.910 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VW015348.D

Acq: 27 Apr 2020 09:45

Instrument :

MSVOA_W

ClientSampleId :

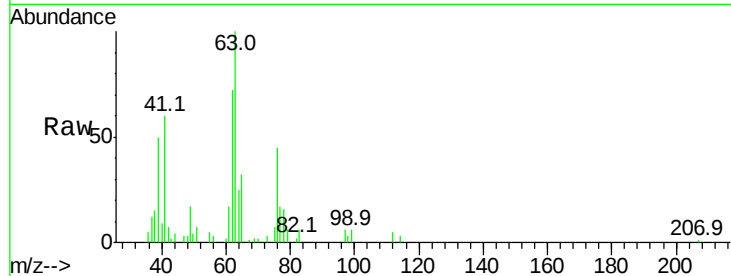
VSTD2.506

Tgt Ion: 63 Resp: 9111

Ion Ratio Lower Upper

63 100

112 5.4 4.6 6.8



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V

9.37

5000

4000

3000

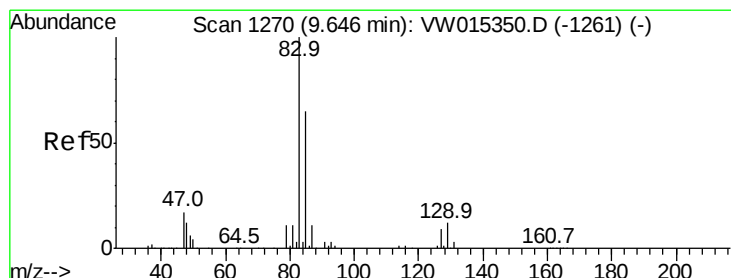
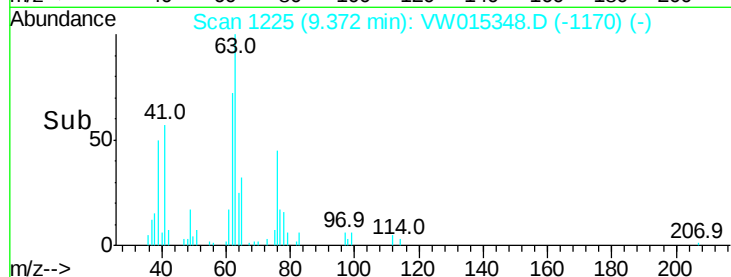
2000

1000

0

9.30 9.35 9.40 9.45

Time-->



#41

Bromodichloromethane

Concen: 2.330 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW015348.D

Acq: 27 Apr 2020 09:45

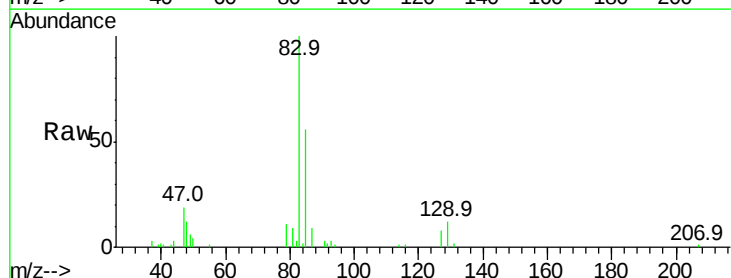
Tgt Ion: 83 Resp: 13876

Ion Ratio Lower Upper

83 100

85 55.7 45.8 85.2

127 8.4 7.5 11.3



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V

10000

8000

6000

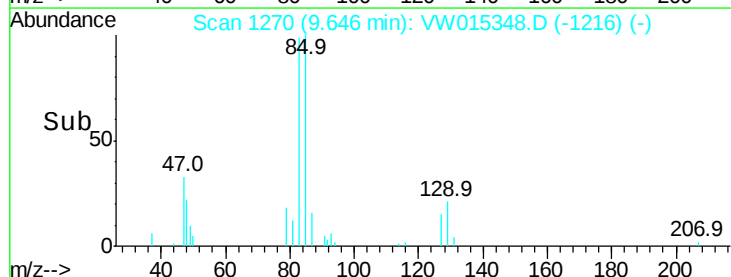
4000

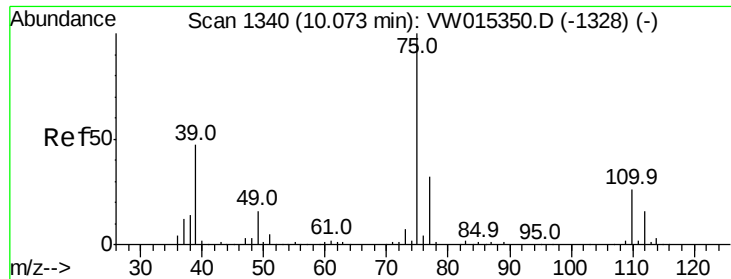
2000

0

9.60 9.65 9.70

Time-->





#42

cis-1,3-Dichloroprene

Concen: 2.106 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW015348.D

Acq: 27 Apr 2020 09:45

Instrument :

MSVOA_W

ClientSampleId :

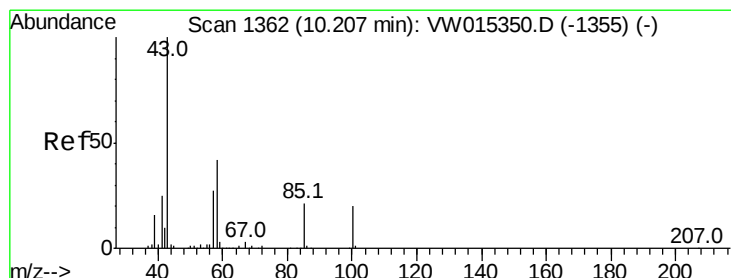
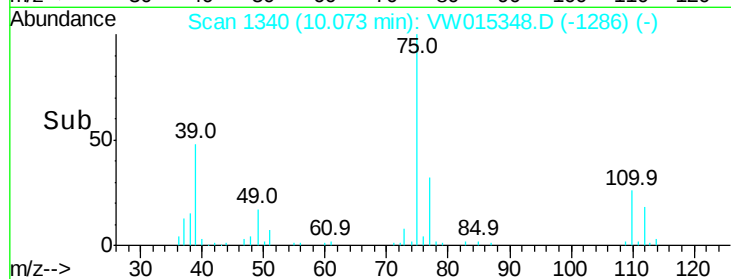
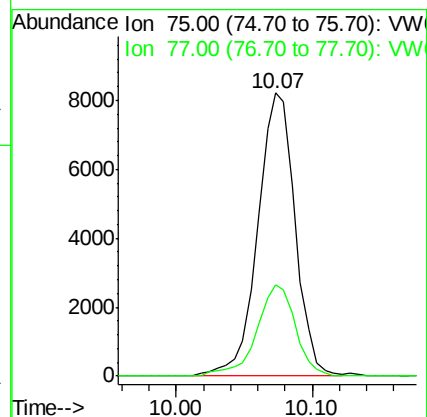
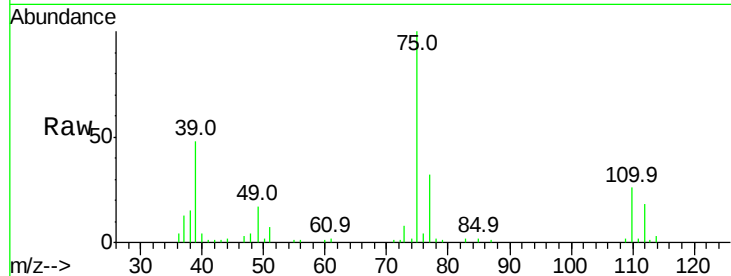
VSTD2.506

Tgt Ion: 75 Resp: 15802

Ion Ratio Lower Upper

75 100

77 32.1 22.6 42.0



#43

4-Methyl-2-pentanone

Concen: 3.561 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW015348.D

Acq: 27 Apr 2020 09:45

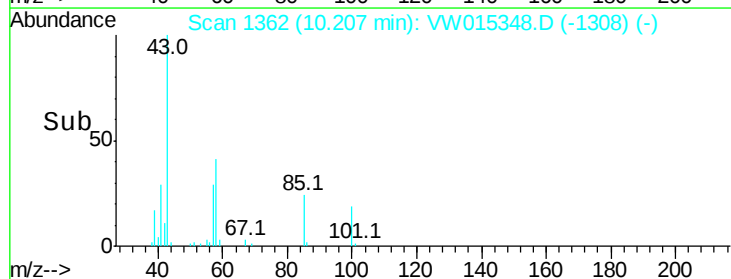
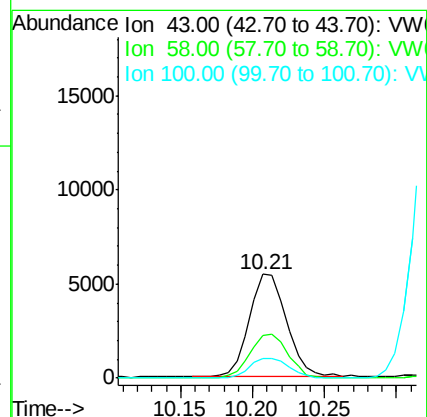
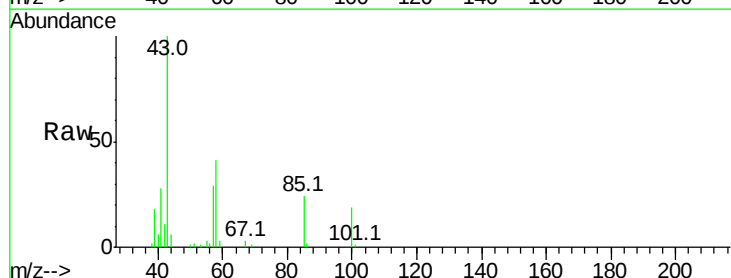
Tgt Ion: 43 Resp: 9830

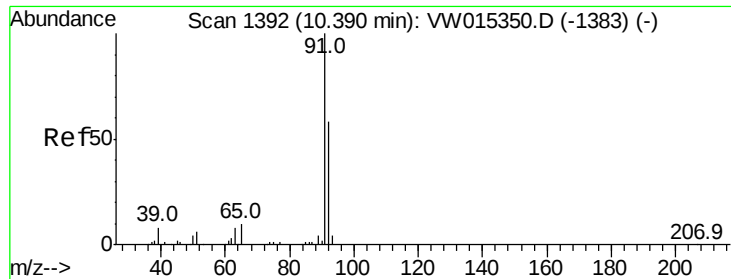
Ion Ratio Lower Upper

43 100

58 43.2 34.2 51.4

100 19.9 17.0 25.6





#44

Toluene

Concen: 2.243 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW015348.D

Acq: 27 Apr 2020 09:45

Instrument :

MSVOA_W

ClientSampleId :

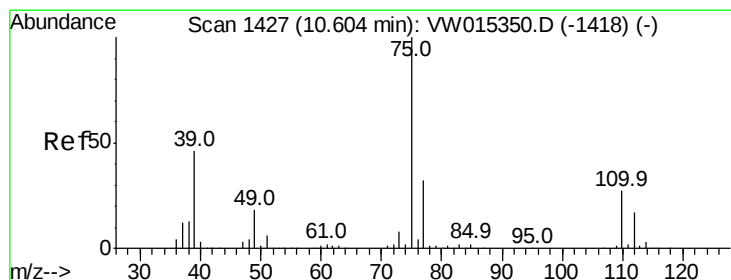
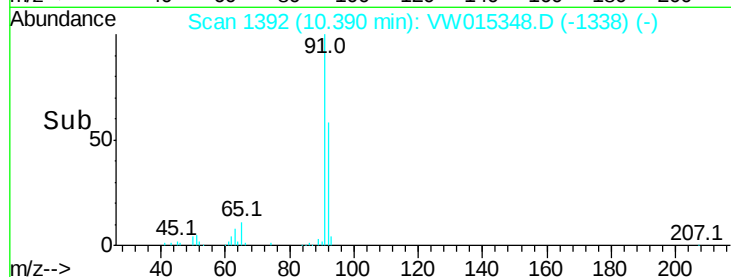
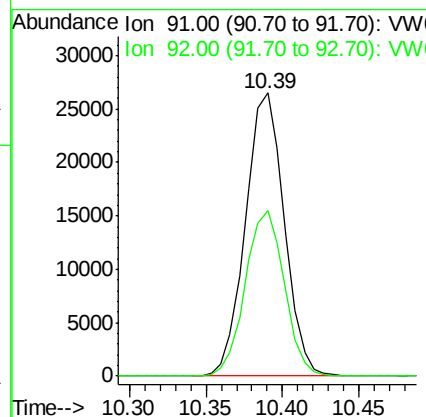
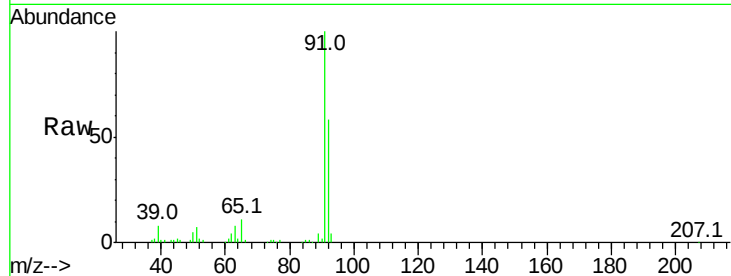
VSTD2.506

Tgt Ion: 91 Resp: 46826

Ion Ratio Lower Upper

91 100

92 58.4 40.8 75.8



#45

trans-1,3-Dichloropropene

Concen: 2.138 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.01 min

Lab File: VW015348.D

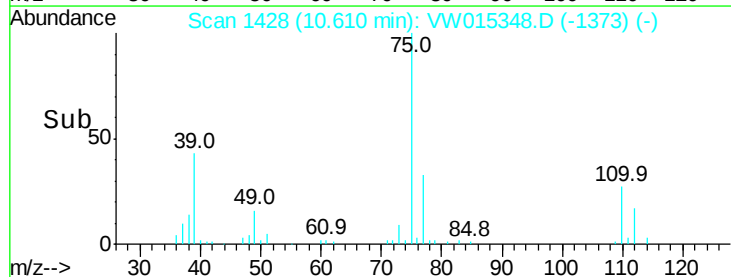
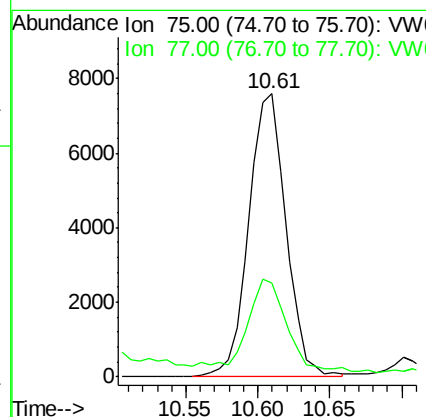
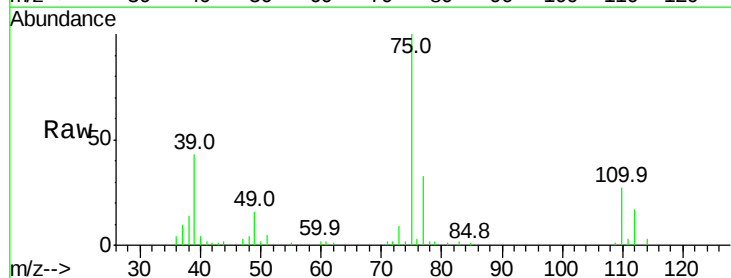
Acq: 27 Apr 2020 09:45

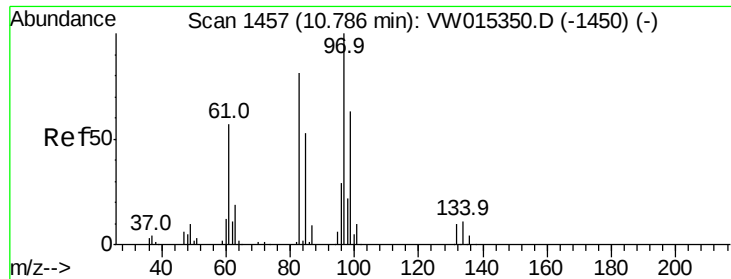
Tgt Ion: 75 Resp: 13567

Ion Ratio Lower Upper

75 100

77 33.1 22.3 41.5

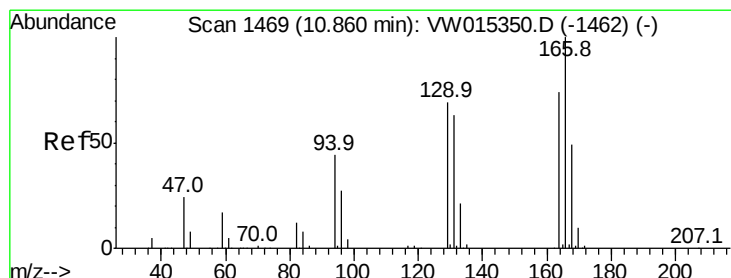
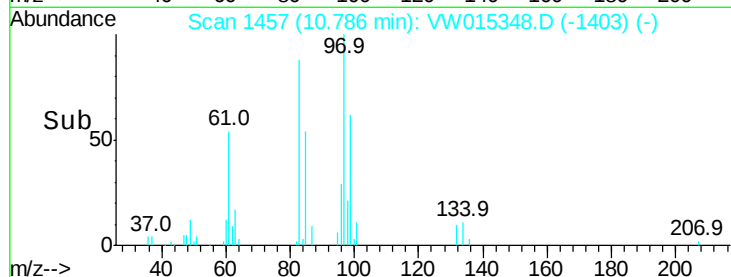
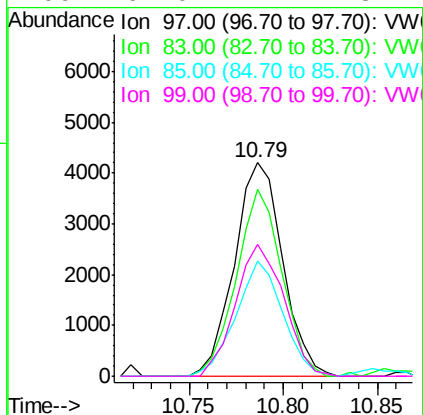
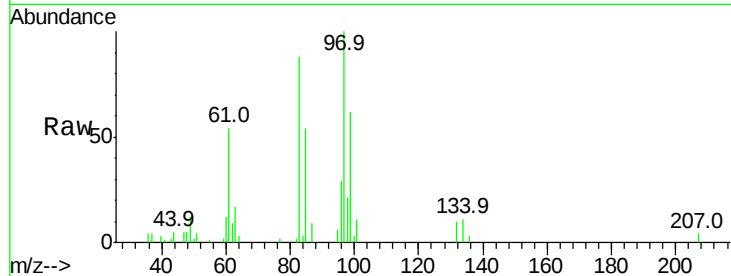




#46
 1,1,2-Trichloroethane
 Concen: 2.218 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW015348.D
 Acq: 27 Apr 2020 09:45

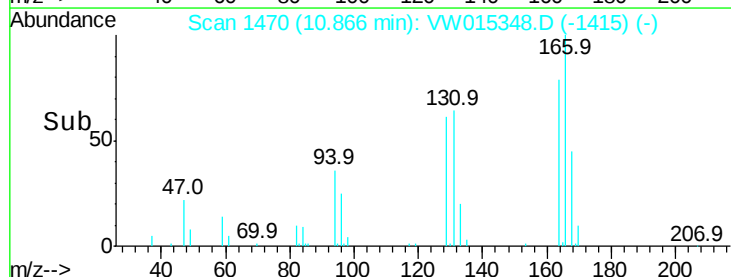
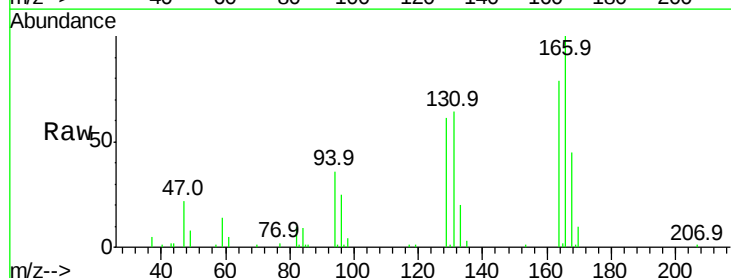
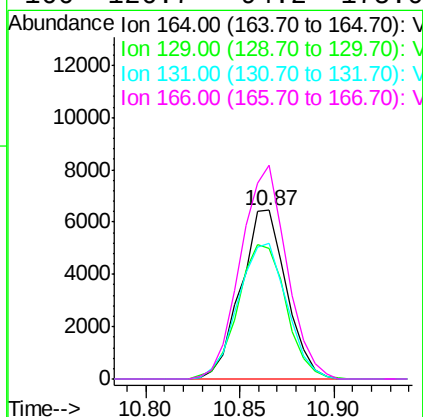
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.506

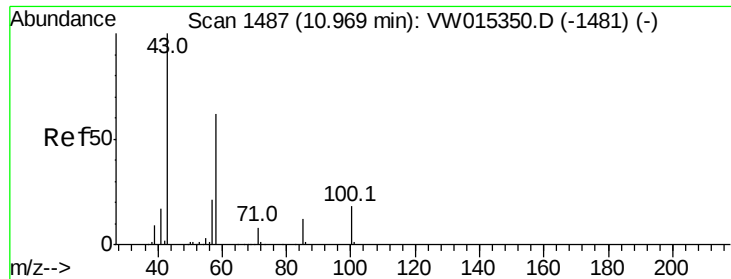
Tgt Ion: 97 Resp: 7488
 Ion Ratio Lower Upper
 97 100
 83 87.6 56.8 105.6
 85 54.1 37.3 69.3
 99 62.0 44.2 82.2



#47
 Tetrachloroethene
 Concen: 2.806 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. 0.01 min
 Lab File: VW015348.D
 Acq: 27 Apr 2020 09:45

Tgt Ion: 164 Resp: 10849
 Ion Ratio Lower Upper
 164 100
 129 77.8 65.3 121.3
 131 80.7 59.1 109.7
 166 126.7 94.2 175.0





#49

2-Hexanone

Concen: 3.987 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW015348.D

Acq: 27 Apr 2020 09:45

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.506

Tgt Ion: 43 Resp: 7266

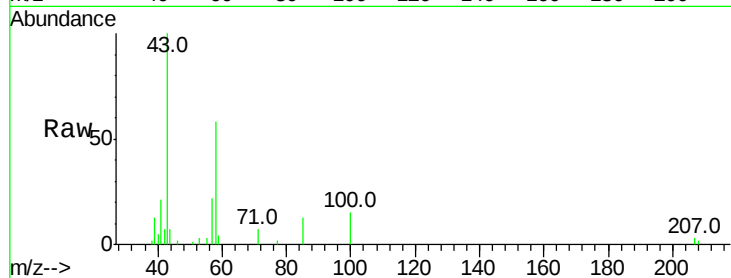
Ion Ratio Lower Upper

43 100

58 57.7 47.4 71.2

57 22.1 16.7 25.1

100 15.5 13.4 20.2

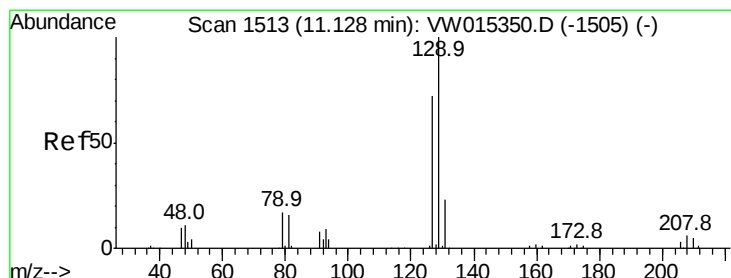
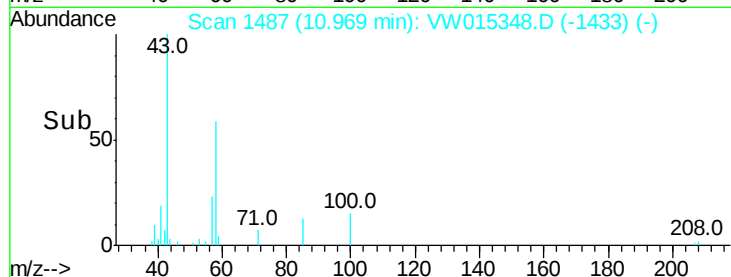
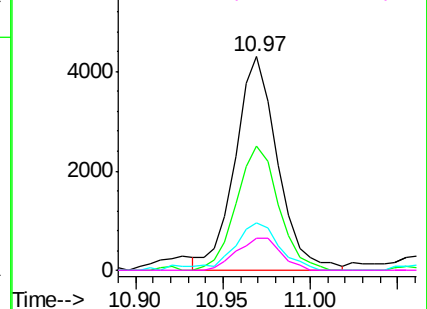


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 2.481 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW015348.D

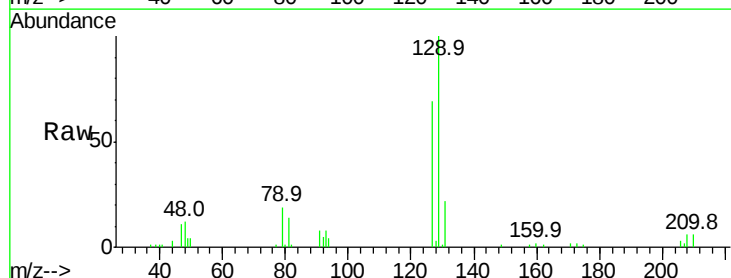
Acq: 27 Apr 2020 09:45

Tgt Ion: 129 Resp: 9851

Ion Ratio Lower Upper

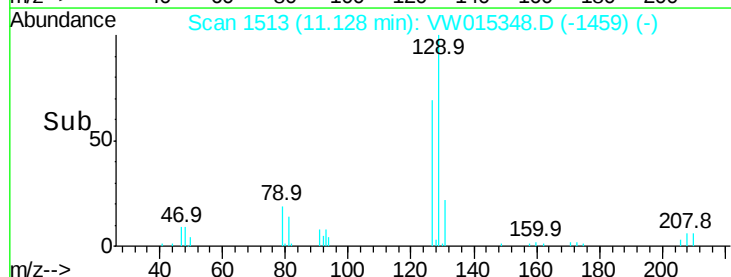
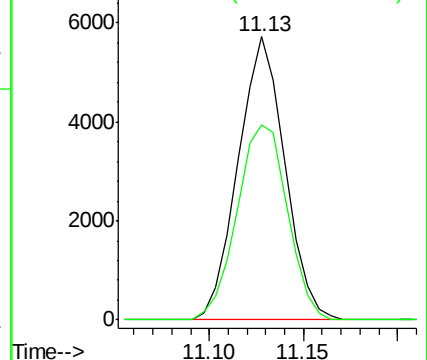
129 100

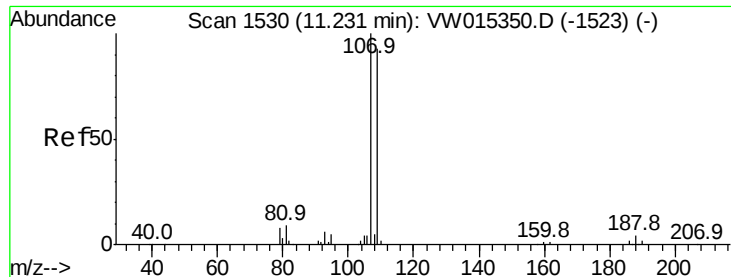
127 69.1 50.7 94.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

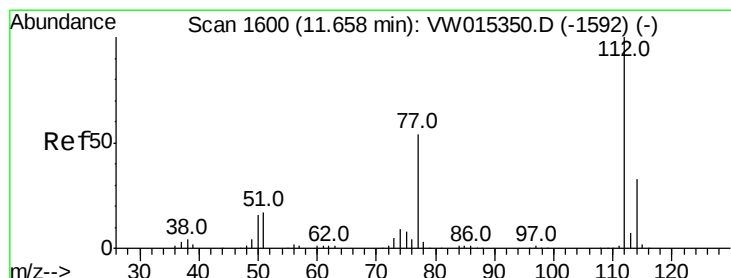
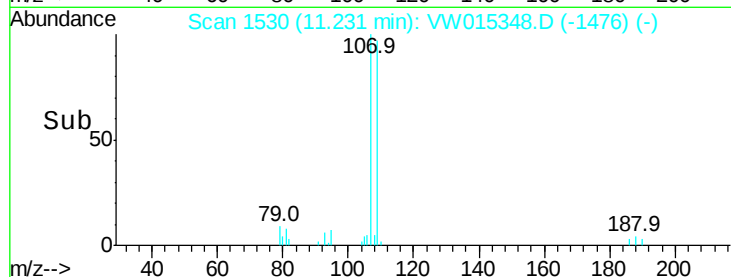
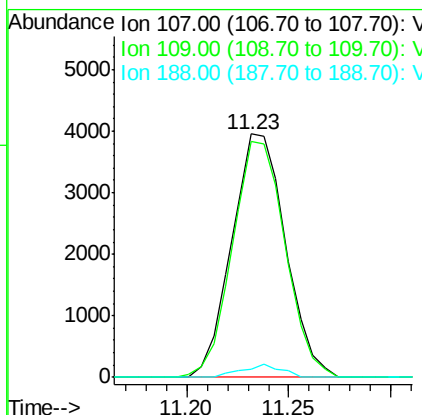
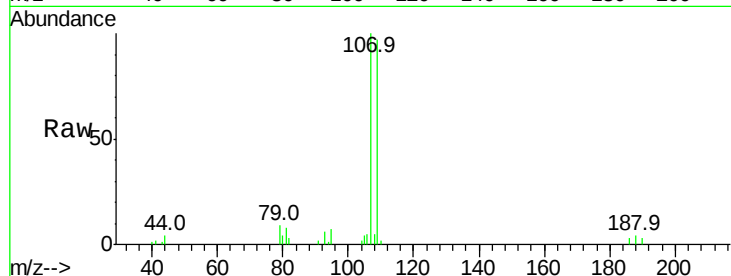




#51
1,2-Dibromoethane
Concen: 2.278 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VW015348.D
Acq: 27 Apr 2020 09:45

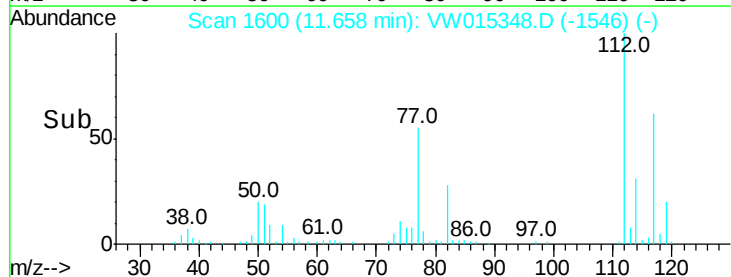
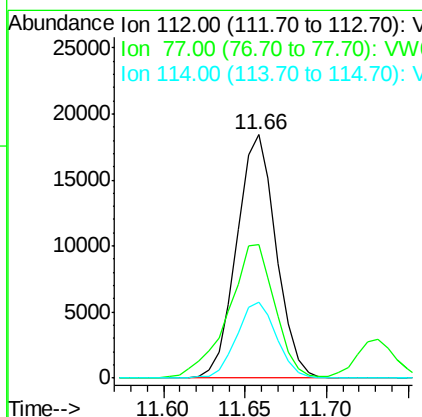
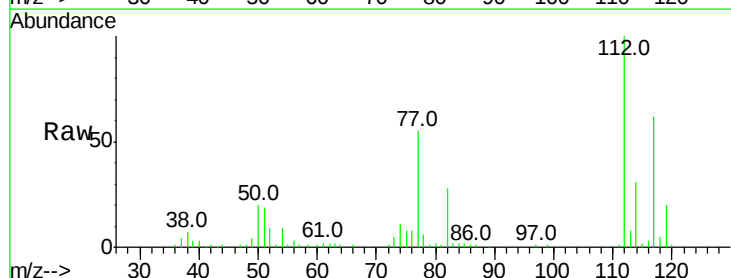
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.506

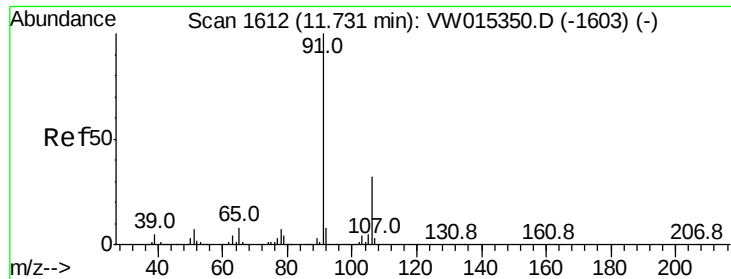
Tgt Ion:107 Resp: 7227
Ion Ratio Lower Upper
107 100
109 96.8 65.3 121.3
188 3.6 3.1 4.7



#52
Chlorobenzene
Concen: 2.405 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW015348.D
Acq: 27 Apr 2020 09:45

Tgt Ion:112 Resp: 30988
Ion Ratio Lower Upper
112 100
77 55.1 43.0 64.6
114 31.0 23.3 43.3

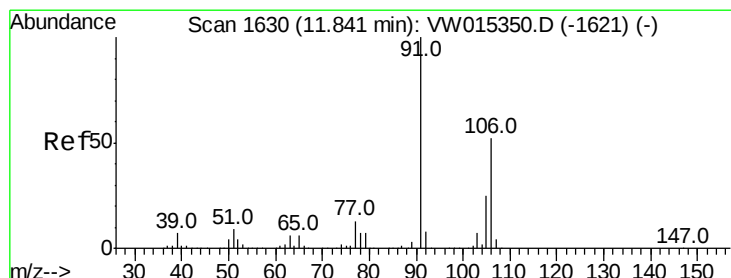
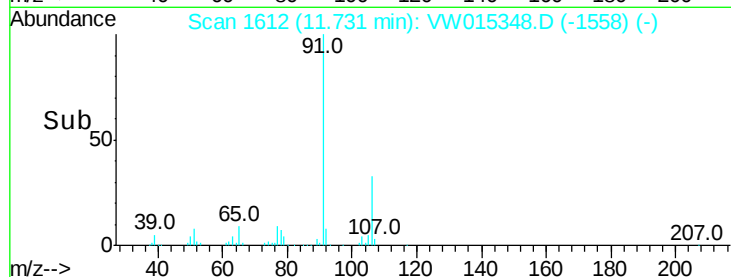
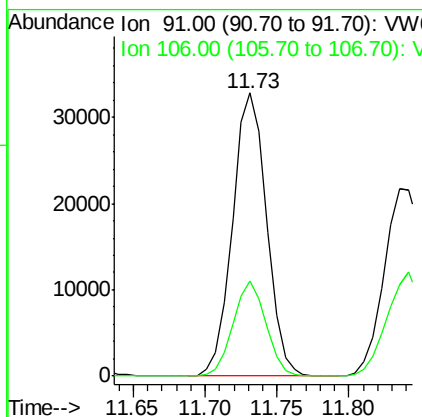
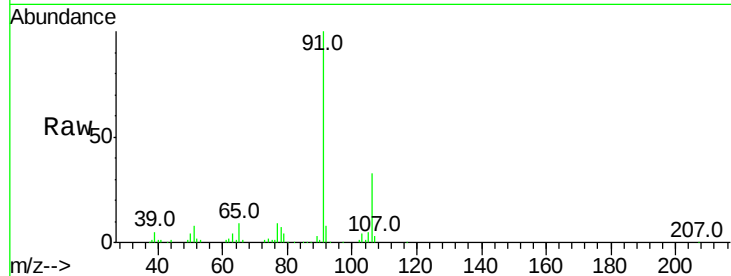




#53
Ethylbenzene
Concen: 2.316 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW015348.D
Acq: 27 Apr 2020 09:45

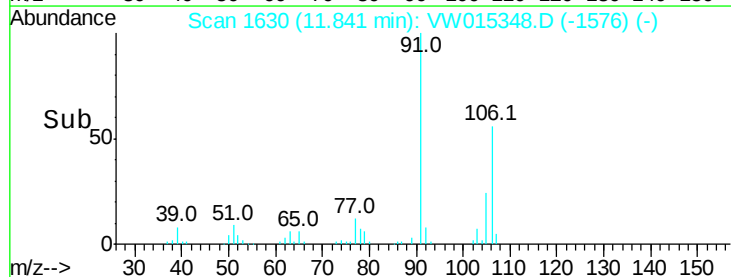
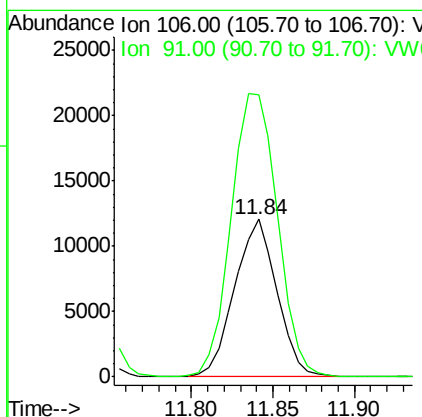
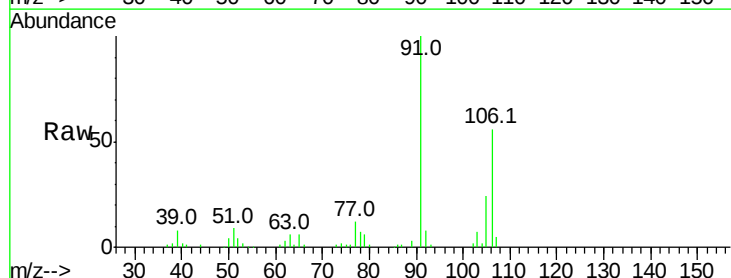
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.506

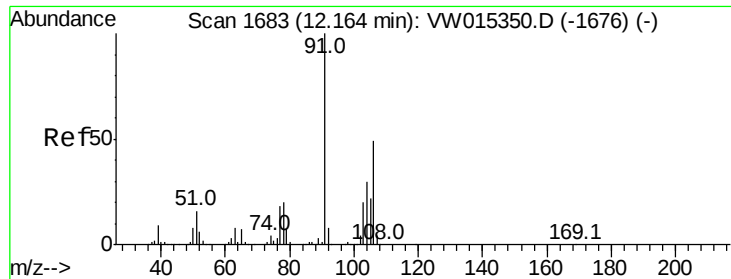
Tgt Ion: 91 Resp: 54221
Ion Ratio Lower Upper
91 100
106 33.5 22.5 41.9



#54
m,p-Xylene
Concen: 2.422 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW015348.D
Acq: 27 Apr 2020 09:45

Tgt Ion: 106 Resp: 21827
Ion Ratio Lower Upper
106 100
91 178.7 134.3 249.5

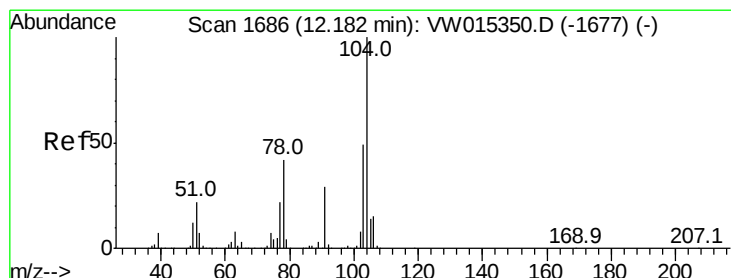
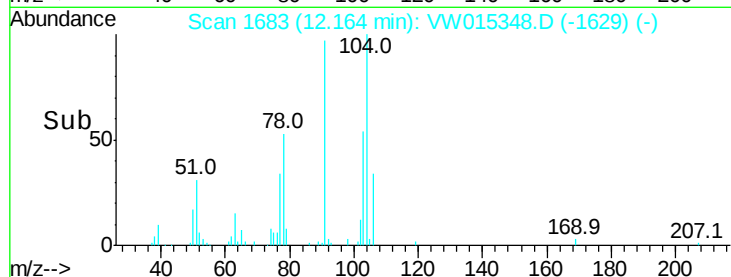
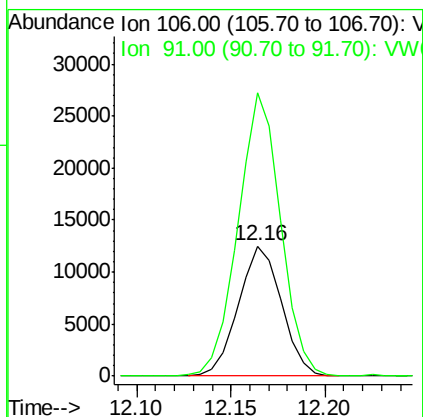
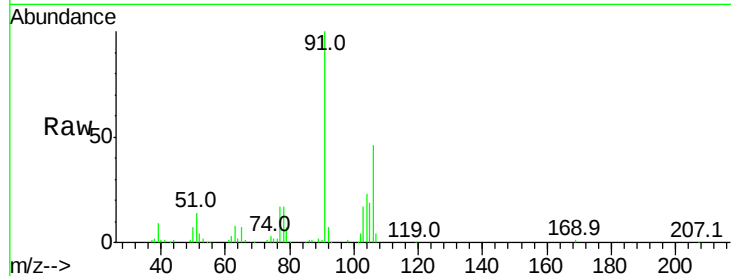




#55
o-xylene
Concen: 2.302 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW015348.D
Acq: 27 Apr 2020 09:45

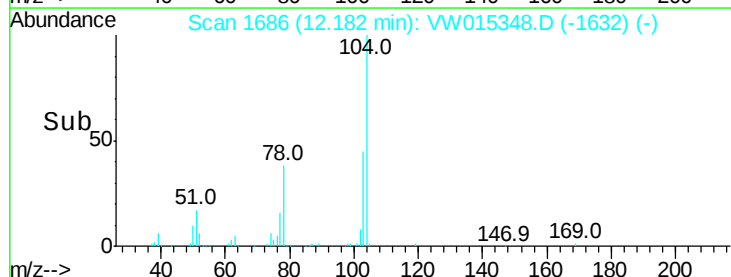
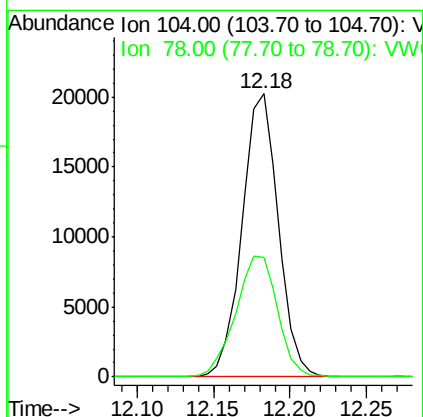
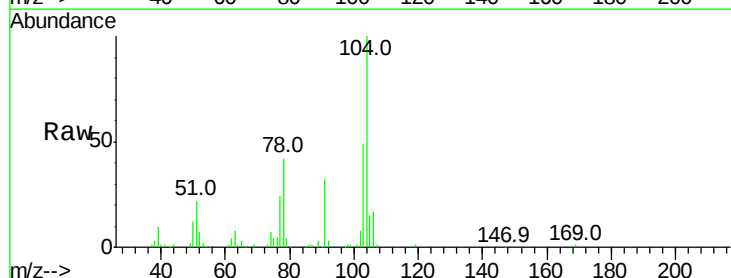
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.506

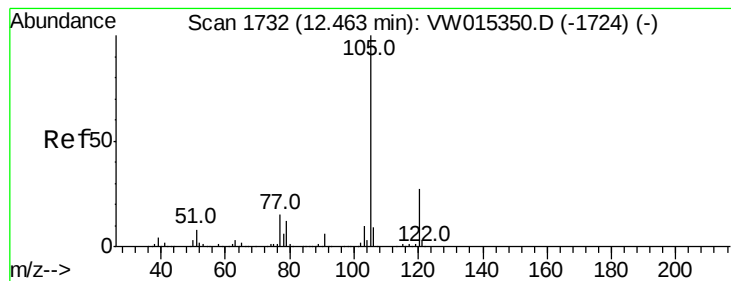
Tgt Ion:106 Resp: 19866
Ion Ratio Lower Upper
106 100
91 217.9 142.0 263.8



#56
Styrene
Concen: 2.313 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW015348.D
Acq: 27 Apr 2020 09:45

Tgt Ion:104 Resp: 33351
Ion Ratio Lower Upper
104 100
78 42.3 29.5 54.7





#57

Isopropylbenzene

Concen: 2.428 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW015348.D

Acq: 27 Apr 2020 09:45

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.506

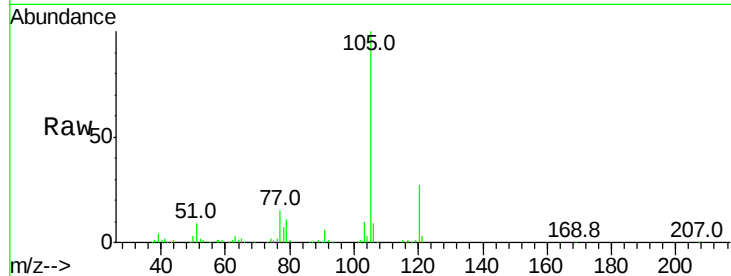
Tgt Ion:105 Resp: 56286

Ion Ratio Lower Upper

105 100

120 26.2 21.8 32.8

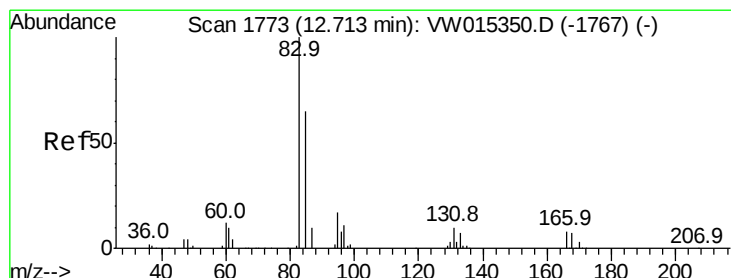
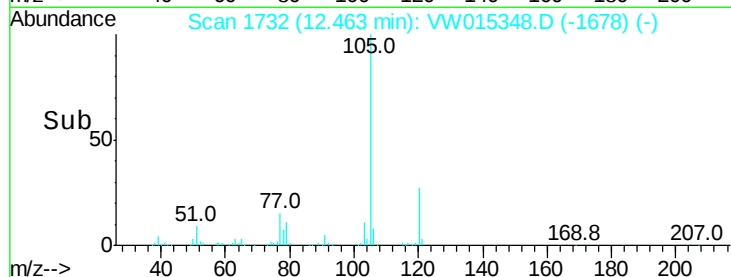
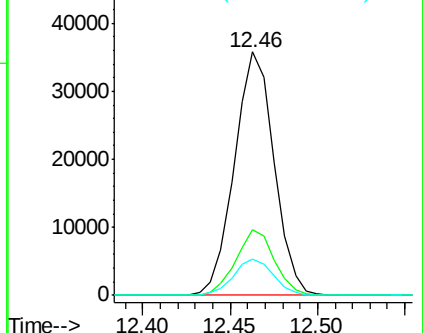
77 14.9 12.1 18.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 2.075 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW015348.D

Acq: 27 Apr 2020 09:45

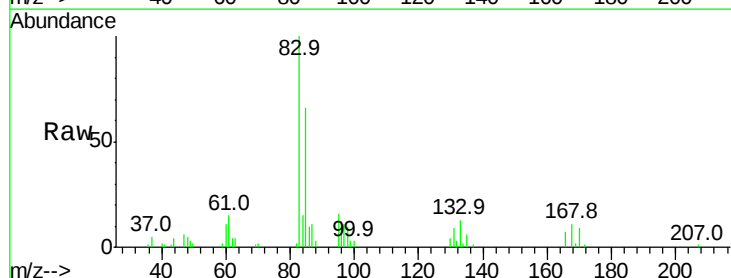
Tgt Ion: 83 Resp: 8036

Ion Ratio Lower Upper

83 100

85 66.0 45.7 84.9

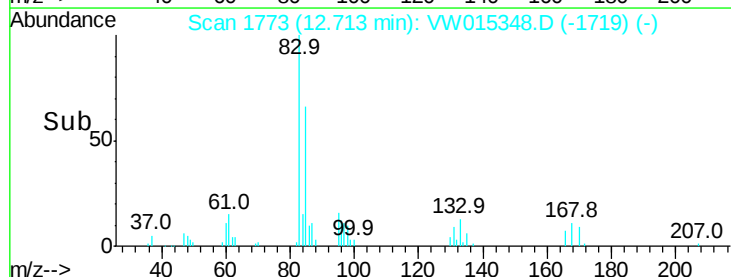
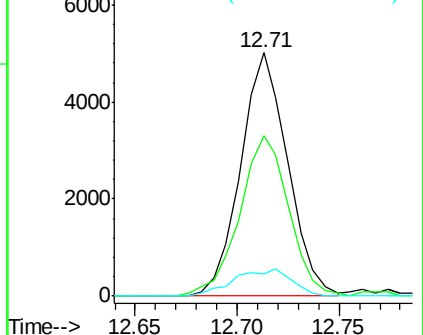
131 9.2 8.8 13.2

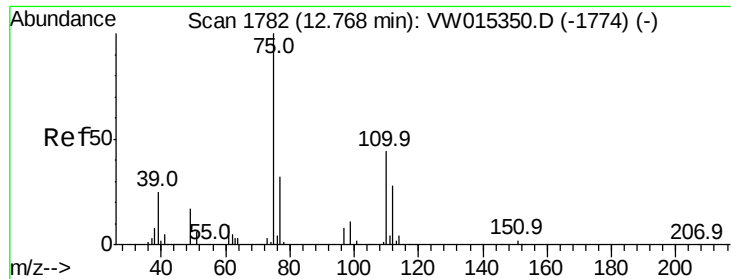


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 8.450 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW015348.D

Acq: 27 Apr 2020 09:45

Instrument :

MSVOA_W

ClientSampleId :

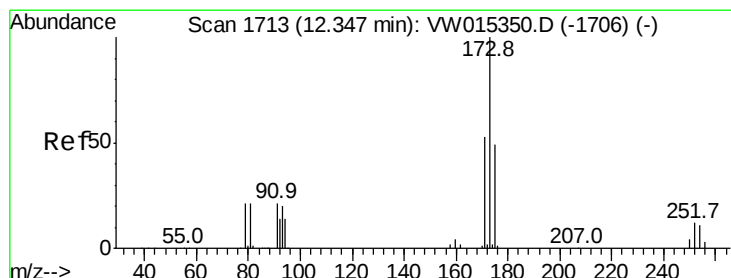
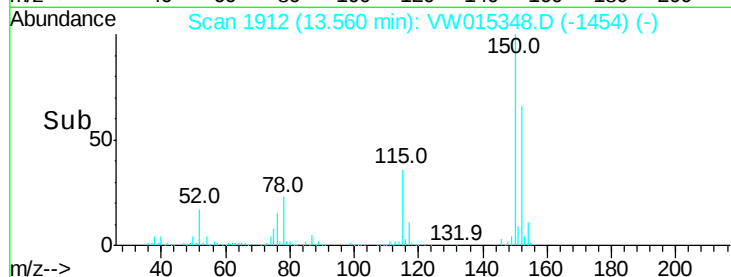
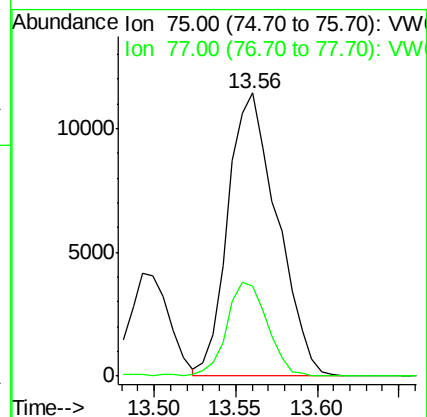
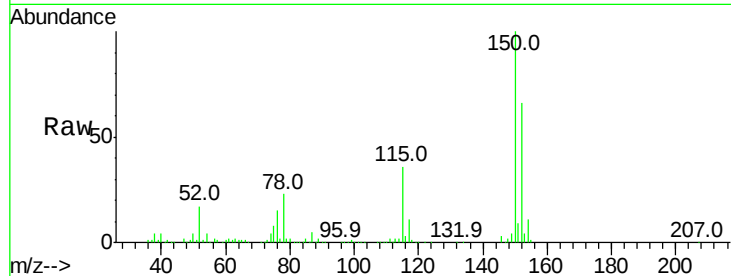
VSTD2.506

Tgt Ion: 75 Resp: 24066

Ion Ratio Lower Upper

75 100

77 27.4 26.9 40.3



#62

Bromoform

Concen: 2.410 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW015348.D

Acq: 27 Apr 2020 09:45

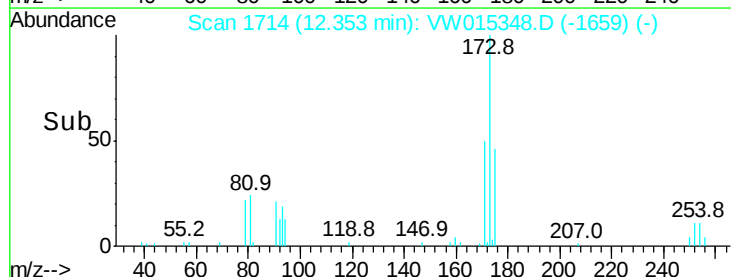
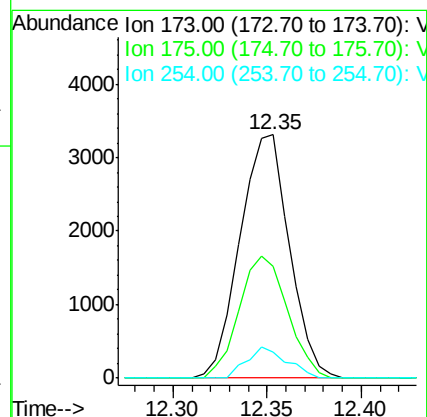
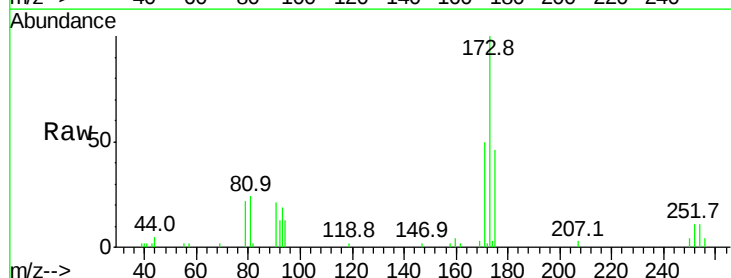
Tgt Ion: 173 Resp: 6007

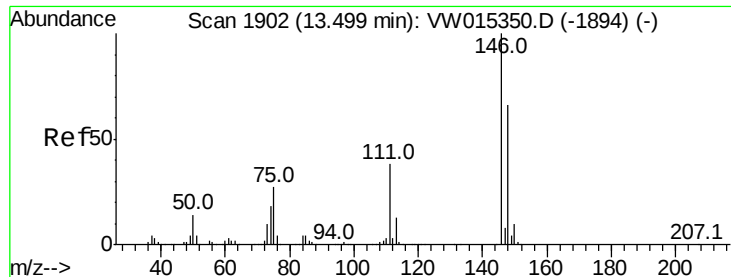
Ion Ratio Lower Upper

173 100

175 49.1 39.5 59.3

254 10.4 9.0 13.6

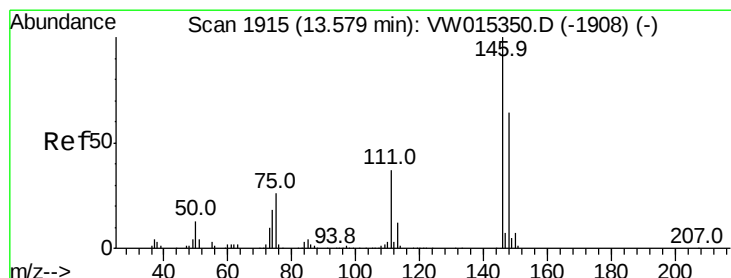
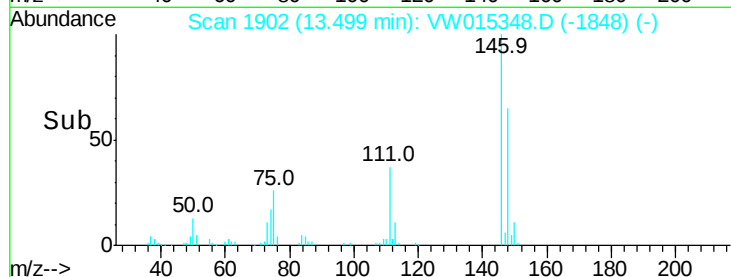
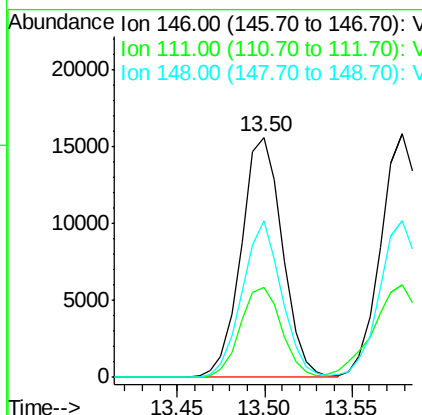
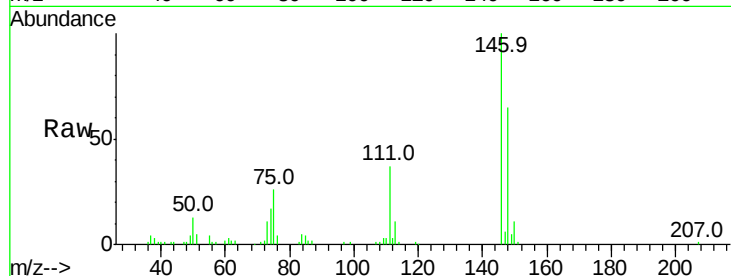




#63
 1,3-Dichlorobenzene
 Concen: 2.419 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW015348.D
 Acq: 27 Apr 2020 09:45

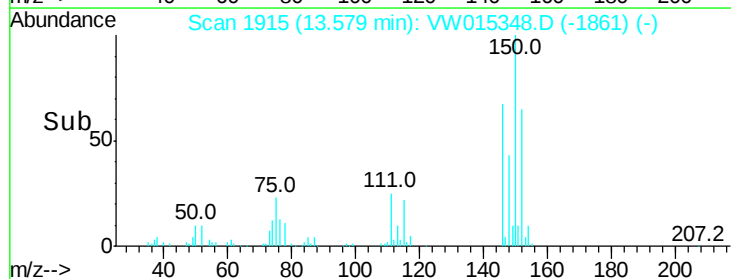
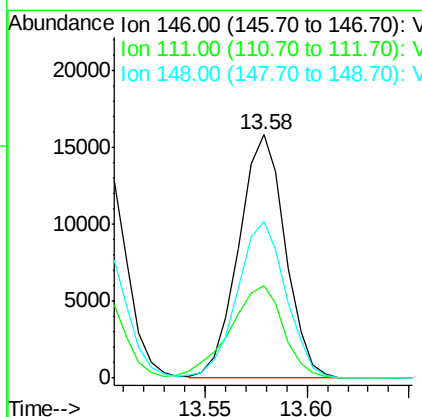
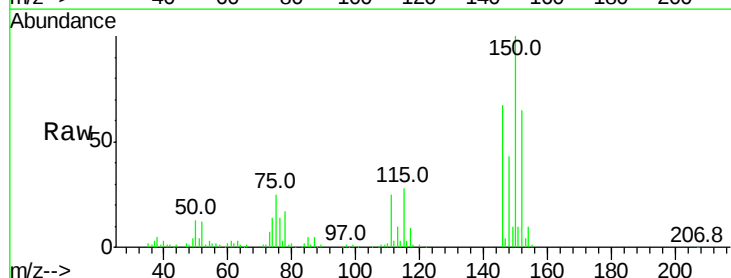
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.506

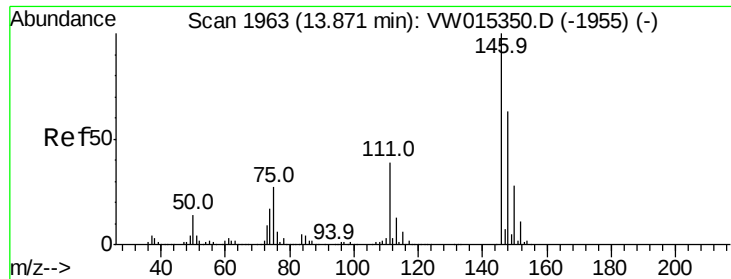
Tgt Ion:146 Resp: 25605
 Ion Ratio Lower Upper
 146 100
 111 37.4 26.4 49.0
 148 65.2 46.1 85.5



#64
 1,4-Dichlorobenzene
 Concen: 2.420 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW015348.D
 Acq: 27 Apr 2020 09:45

Tgt Ion:146 Resp: 25040
 Ion Ratio Lower Upper
 146 100
 111 38.2 26.0 48.4
 148 64.3 44.7 83.1

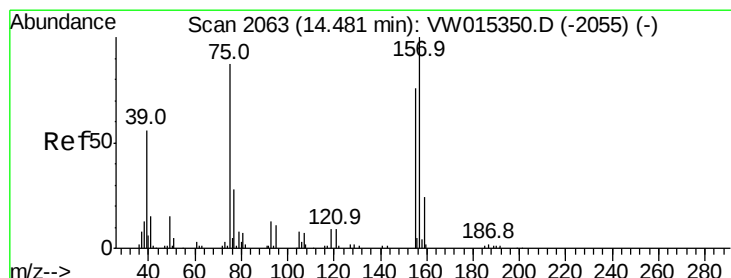
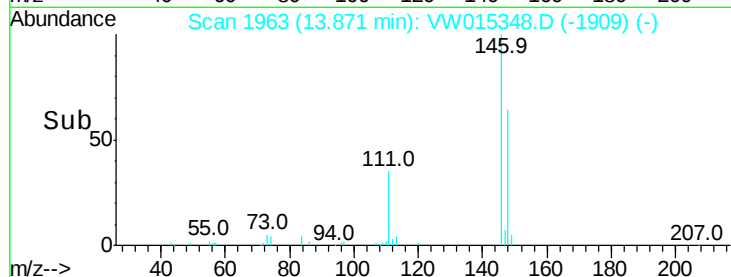
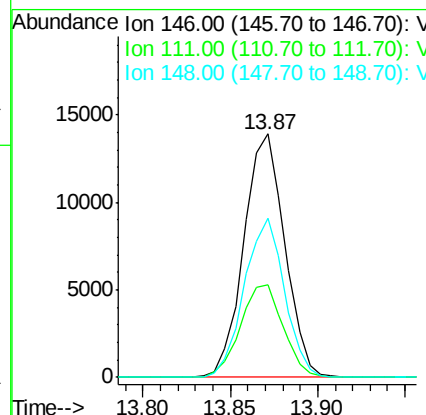
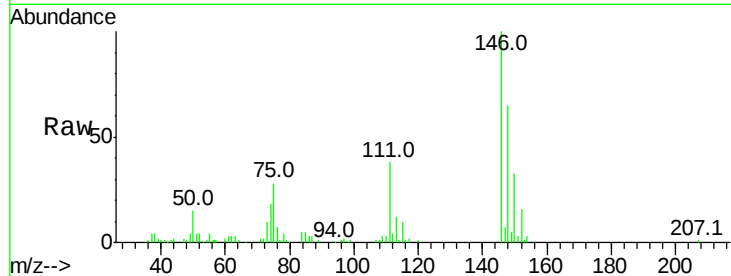




#65
 1,2-Dichlorobenzene
 Concen: 2.412 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW015348.D
 Acq: 27 Apr 2020 09:45

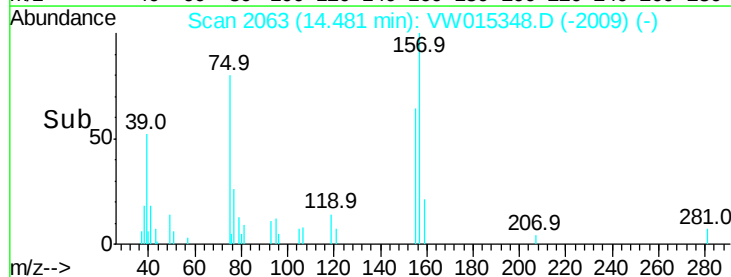
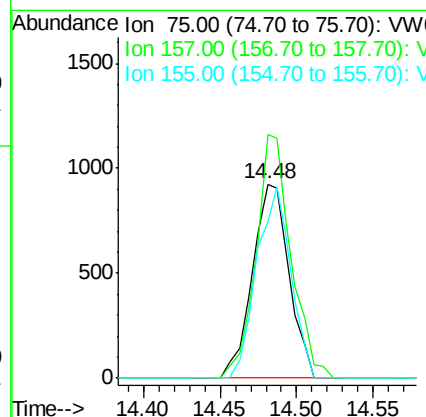
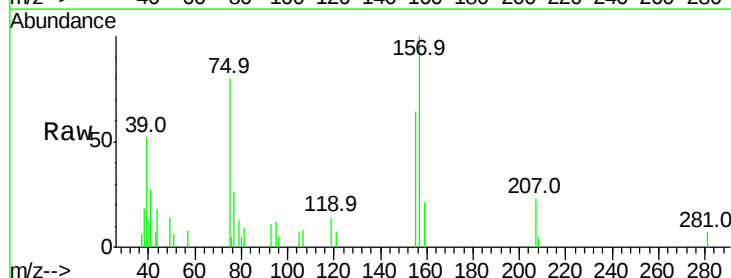
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.506

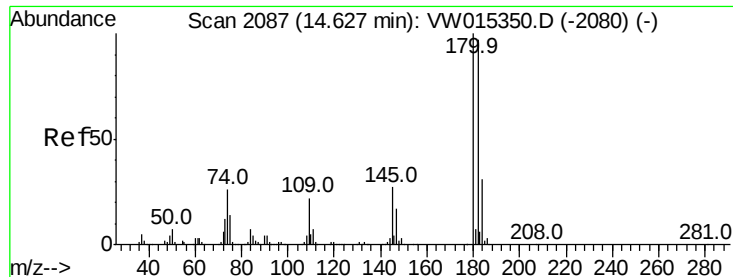
Tgt Ion:146 Resp: 22647
 Ion Ratio Lower Upper
 146 100
 111 37.8 31.2 46.8
 148 65.3 50.7 76.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 2.152 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW015348.D
 Acq: 27 Apr 2020 09:45

Tgt Ion: 75 Resp: 1531
 Ion Ratio Lower Upper
 75 100
 157 125.4 92.3 138.5
 155 80.8 70.4 105.6

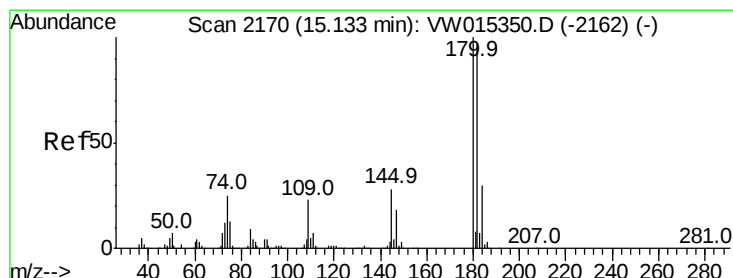
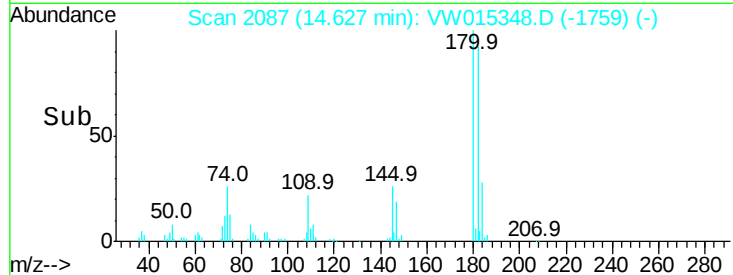
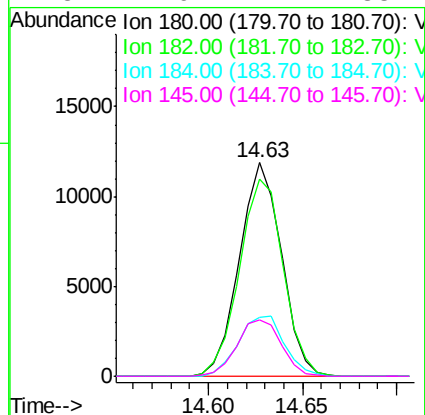
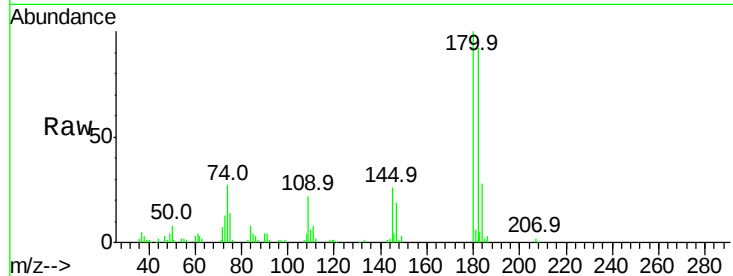




#67
 1,3,5-Trichlorobenzene
 Concen: 2.551 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW015348.D
 Acq: 27 Apr 2020 09:45

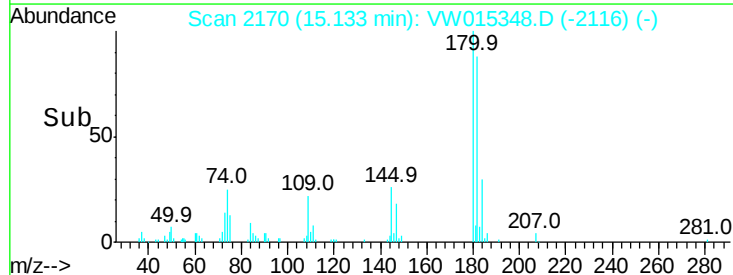
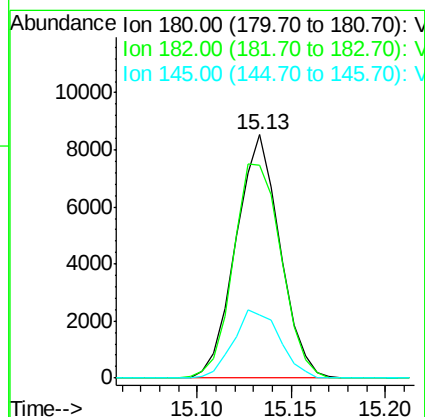
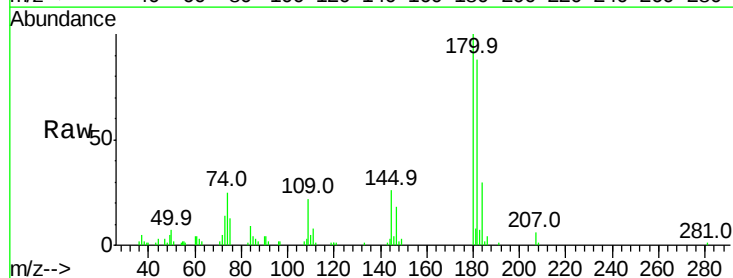
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.506

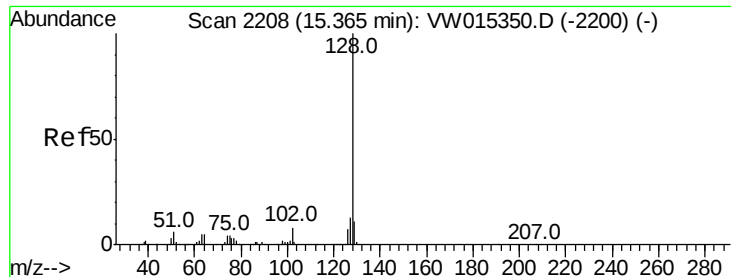
Tgt Ion:	180	Resp:	18429
Ion	Ratio	Lower	Upper
180	100		
182	96.0	78.1	117.1
184	30.7	24.5	36.7
145	27.9	22.2	33.2



#68
 1,2,4-trichlorobenzene
 Concen: 2.334 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW015348.D
 Acq: 27 Apr 2020 09:45

Tgt Ion:	180	Resp:	13869
Ion	Ratio	Lower	Upper
180	100		
182	95.6	77.9	116.9
145	29.4	23.5	35.3





#69

Naphthalene

Concen: 1.877 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW015348.D

Acq: 27 Apr 2020 09:45

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.506

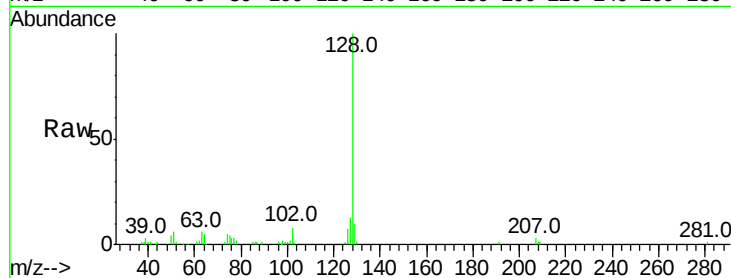
Tgt Ion:128 Resp: 22294

Ion Ratio Lower Upper

128 100

129 11.1 8.6 13.0

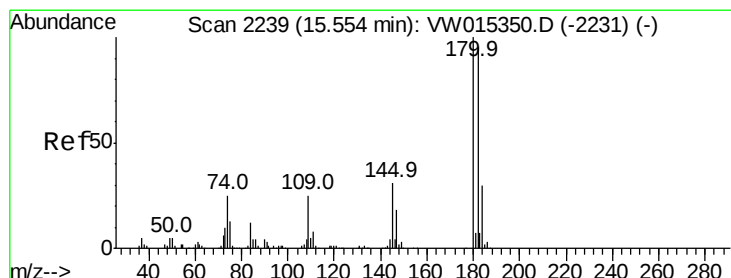
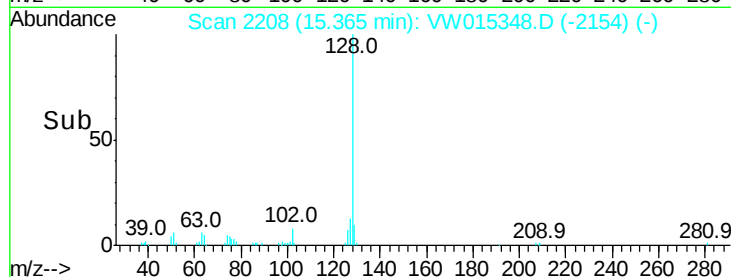
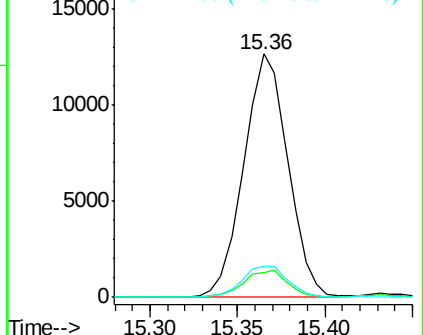
127 13.4 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 2.332 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW015348.D

Acq: 27 Apr 2020 09:45

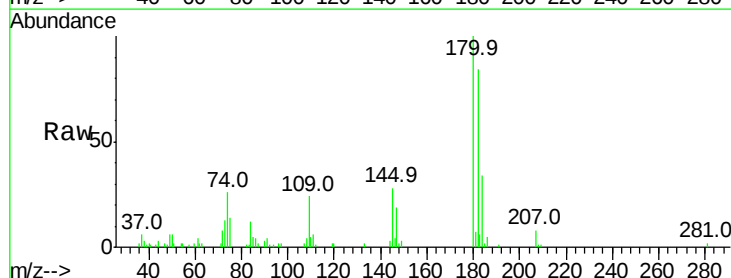
Tgt Ion:180 Resp: 11853

Ion Ratio Lower Upper

180 100

182 93.3 77.4 116.0

145 29.7 24.8 37.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

