

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW060520\
 Data File : VW015548.D
 Acq On : 05 Jun 2020 17:56
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02522

Quant Time: Jun 06 04:11:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052620S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 06 04:08:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	313470	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	290283	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	147447	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	88294	30.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	122.96%
7) Chloroethane-d5	2.89	69	91960	32.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	128.76%
10) 1,1-Dichloroethene-d2	4.01	63	193925	27.71	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	110.84%#
20) 2-Butanone-d5	7.11	46	63455	67.66	ug/L	0.03
Spiked Amount	50.000	Range	20 - 135	Recovery	=	135.32%#
24) Chloroform-d	7.65	84	217539	30.01	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	120.04%
26) 1,2-Dichloroethane-d4	8.31	65	126811	31.44	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	125.76%
29) Benzene-d6	8.27	84	412323	28.96	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	115.84%
33) 1,2-Dichloropropane-d6	9.28	67	127564	29.49	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	117.96%
37) Toluene-d8	10.32	98	388605	28.08	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	112.32%
38) trans-1,3-Dichloropropene-	10.58	79	56649	28.31	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	113.24%
39) 2-Hexanone-d5	10.93	63	52573	70.19	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	140.38%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	109329	33.56	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	134.24%#
61) 1,2-Dichlorobenzene-d4	13.85	152	141572	28.65	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	114.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	66095	23.867	ug/L 95
3) Chloromethane	2.21	50	69989	22.958	ug/L 98
5) Vinyl chloride	2.37	62	119838	26.140	ug/L 99
6) Bromomethane	2.79	94	75891	25.469	ug/L 100
8) Chloroethane	2.93	64	75138	26.924	ug/L 99
9) Trichlorofluoromethane	3.26	101	90085	27.612	ug/L 96
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	100831	26.058	ug/L 99
12) 1,1-Dichloroethene	4.03	96	95670	25.595	ug/L 95
13) Acetone	4.18	43	22447	30.959	ug/L 63
14) Carbon disulfide	4.38	76	292950	23.493	ug/L 100
15) Methyl Acetate	4.70	43	46237	29.476	ug/L 99
16) Methylene chloride	4.92	84	106181	27.599	ug/L 96
17) Methyl tert-butyl Ether	5.44	73	163788	27.613	ug/L 99
18) trans-1,2-Dichloroethene	5.43	96	103866	25.929	ug/L 96
19) 1,1-Dichloroethane	6.22	63	189124	26.249	ug/L 99
21) 2-Butanone	7.20	43	63576	57.080	ug/L 100
22) cis-1,2-Dichloroethene	7.17	96	110330	26.403	ug/L 100

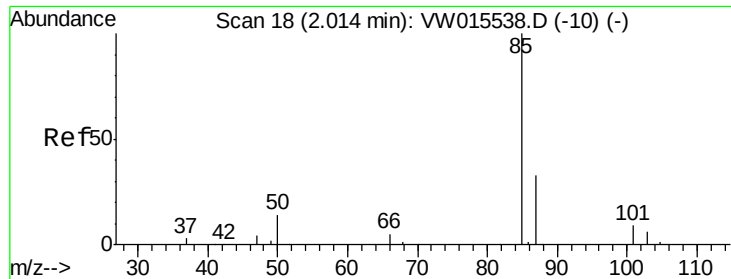
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW060520\
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 Quant Title : VOC Analysis
 QLast Update : Sat Jun 06 04:08:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	50192	27.854	ug/L	98
25) Chloroform	7.68	83	198078	27.303	ug/L	100
27) 1,2-Dichloroethane	8.40	62	141153	28.760	ug/L	97
30) Cyclohexane	7.96	56	177754	24.772	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	168192	25.899	ug/L	99
32) Carbon tetrachloride	8.07	117	154672	25.968	ug/L	100
34) Benzene	8.32	78	433134	26.681	ug/L	100
35) Trichloroethene	9.09	95	114733	26.312	ug/L	99
36) Methylcyclohexane	9.34	83	199393	25.639	ug/L	99
40) 1,2-Dichloropropane	9.37	63	106630	26.673	ug/L	99
41) Bromodichloromethane	9.65	83	143142	26.802	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	169557	26.505	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	139273	59.433	ug/L	100
44) Toluene	10.39	91	472048	26.690	ug/L	97
45) trans-1,3-Dichloropropene	10.61	75	154905	27.825	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	82108	29.358	ug/L	98
47) Tetrachloroethene	10.87	164	91948	26.601	ug/L	99
49) 2-Hexanone	10.98	43	96696	61.133	ug/L	99
50) Dibromochloromethane	11.13	129	96516	28.404	ug/L	98
51) 1,2-Dibromoethane	11.24	107	79201	29.498	ug/L	99
52) Chlorobenzene	11.66	112	303063	27.319	ug/L	97
53) Ethylbenzene	11.73	91	542570	26.717	ug/L	99
54) m,p-Xylene	11.84	106	202685	26.597	ug/L	100
55) o-xylene	12.17	106	195087	26.970	ug/L	100
56) Styrene	12.18	104	336966	27.263	ug/L	99
57) Isopropylbenzene	12.46	105	538050	26.702	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	100563	31.058	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	75243	30.647	ug/L	100
62) Bromoform	12.35	173	55080	26.811	ug/L	97
63) 1,3-Dichlorobenzene	13.50	146	235305	26.080	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	239544	27.096	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	216484	27.611	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	17152	28.837	ug/L	93
67) 1,3,5-Trichlorobenzene	14.63	180	173735	27.813	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	141027	28.031	ug/L	99
69) Naphthalene	15.37	128	291367	31.895	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	128363	29.990	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 23.867 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW015548.D

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MSVOA_W

ClientSampleId :

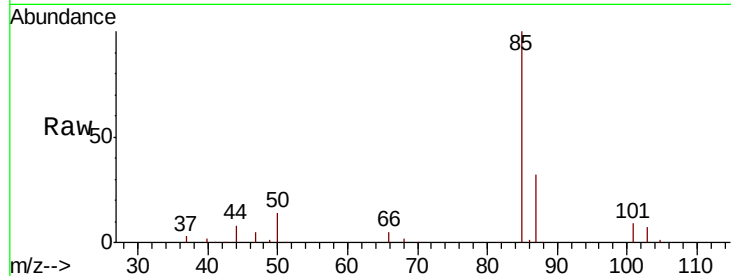
VSTD02522

Tot Ion: 85 Resp: 66095

Ion Ratio Lower Upper

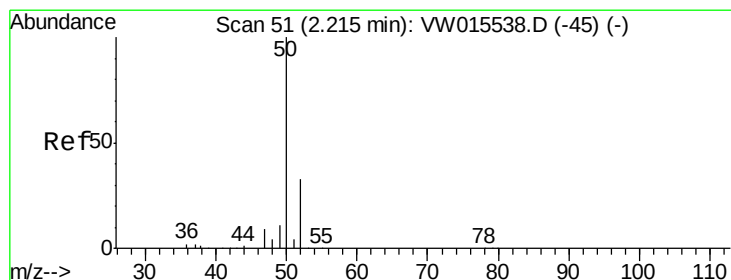
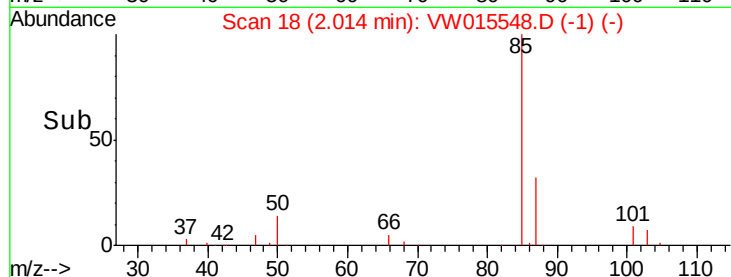
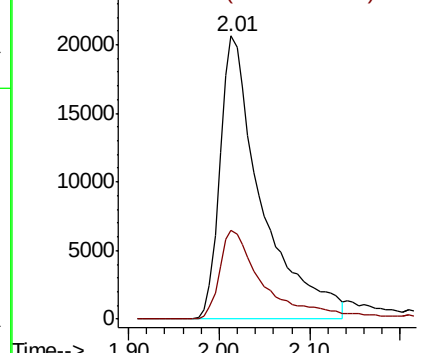
85 100

87 32.9 21.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 22.958 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW015548.D

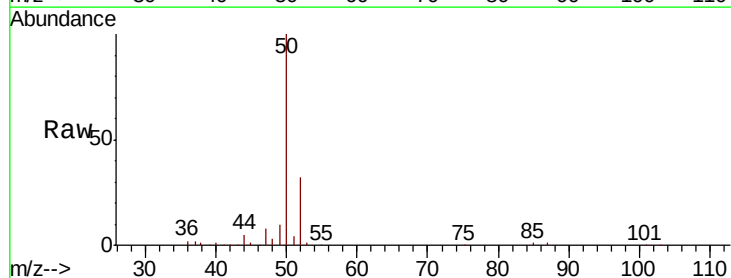
Acq: 05 Jun 2020 17:56

Tgt Ion: 50 Resp: 69989

Ion Ratio Lower Upper

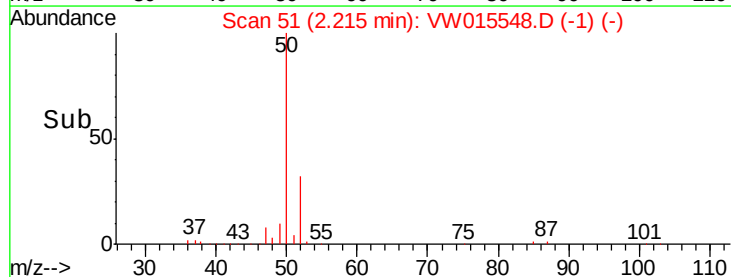
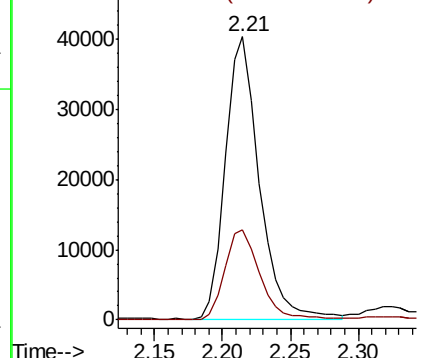
50 100

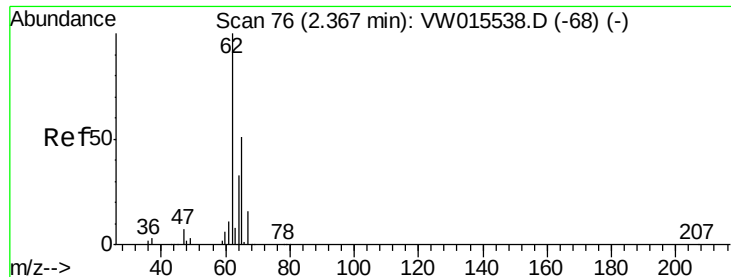
52 32.0 23.3 43.3



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 26.140 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW015548.D

Acq: 05 Jun 2020 17:56

Instrument :

MSVOA_W

ClientSampleId :

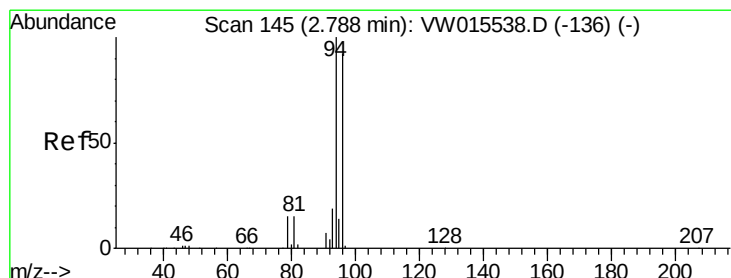
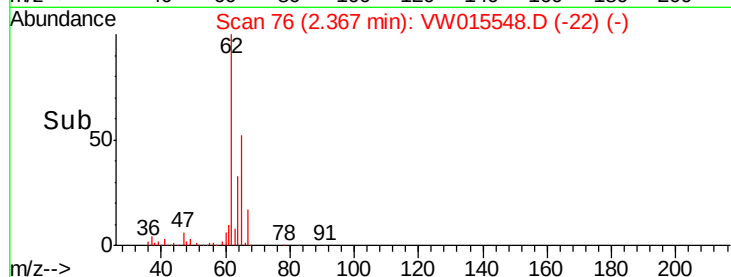
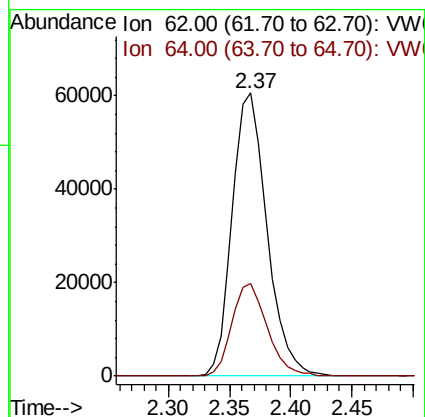
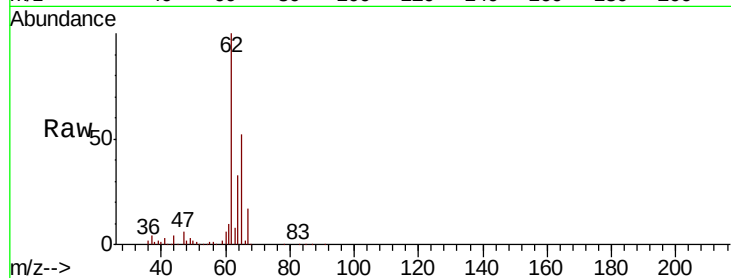
VSTD02522

Tot Ion: 62 Resp: 119838

Ion Ratio Lower Upper

62 100

64 32.6 22.6 42.0



#6

Bromomethane

Concen: 25.469 ug/L

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW015548.D

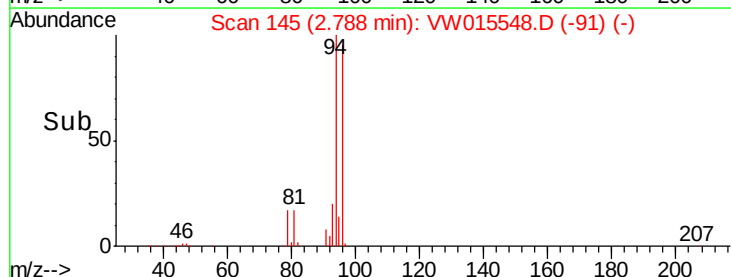
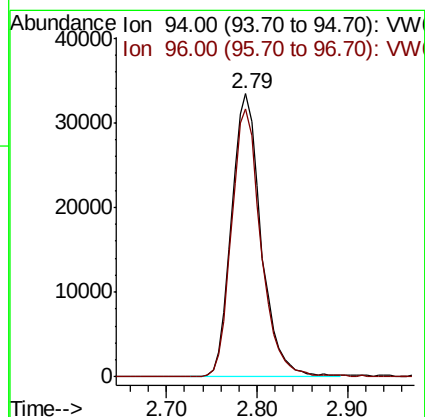
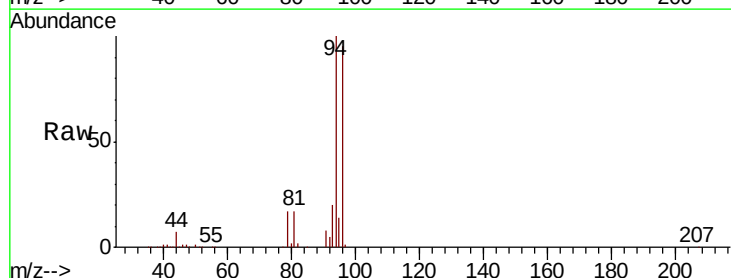
Acq: 05 Jun 2020 17:56

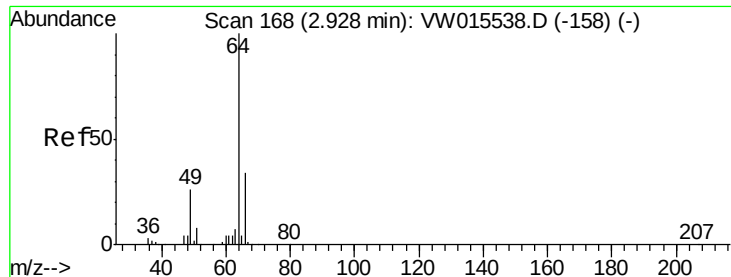
Tgt Ion: 94 Resp: 75891

Ion Ratio Lower Upper

94 100

96 93.7 9.3 177.5

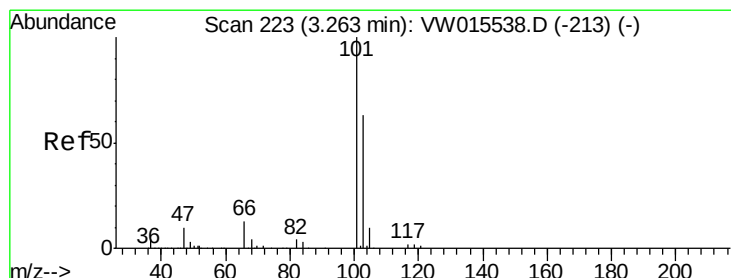
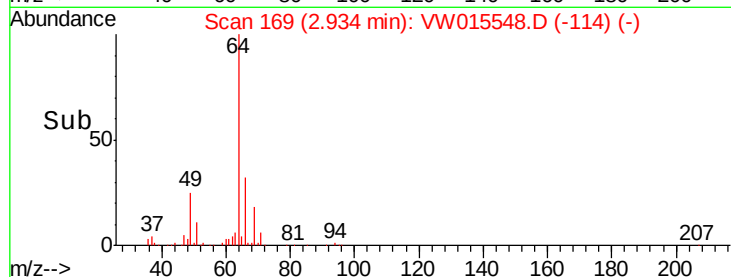
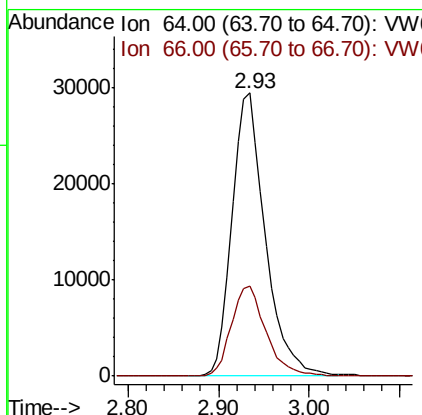
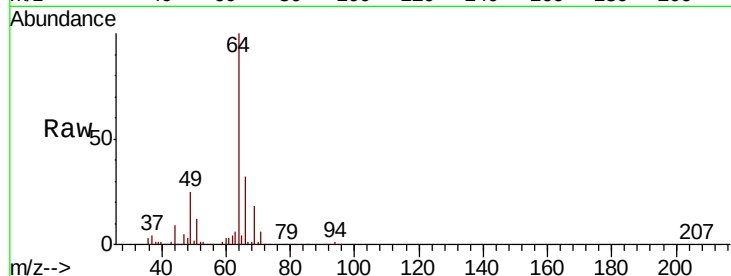




#8
Chloroethane
Concen: 26.924 ug/L
RT: 2.93 min Scan# 169
Delta R.T. 0.01 min
Lab File: VW015548.D
Acq: 05 Jun 2020 17:56

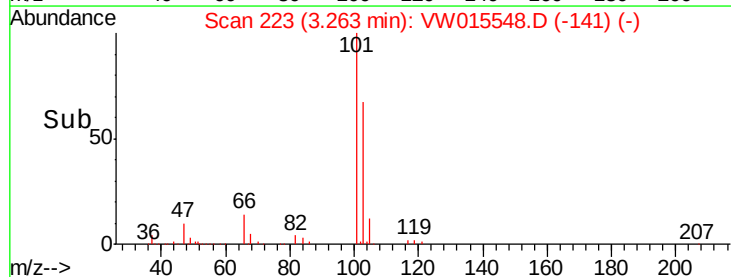
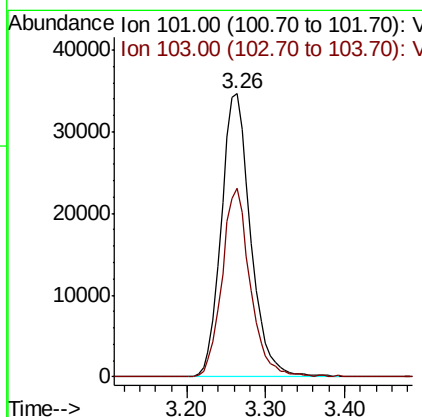
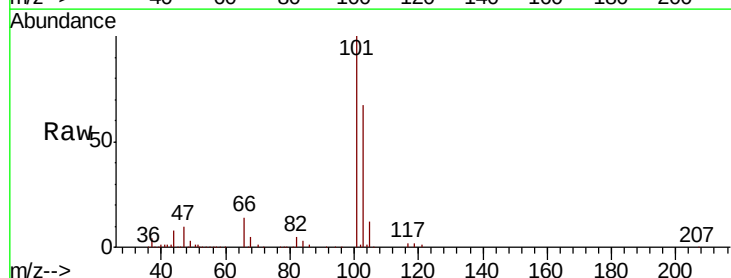
Instrument :
MSVOA_W
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VSTD02522

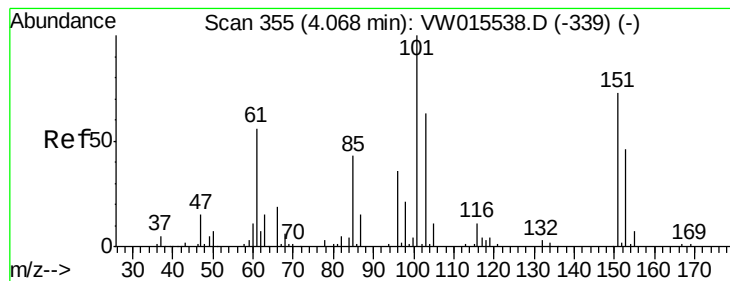
Tot Ion: 64 Resp: 75138
Ion Ratio Lower Upper
64 100
66 32.0 22.0 40.8



#9
Trichlorofluoromethane
Concen: 27.612 ug/L
RT: 3.26 min Scan# 223
Delta R.T. -0.00 min
Lab File: VW015548.D
Acq: 05 Jun 2020 17:56

Tgt Ion: 101 Resp: 90085
Ion Ratio Lower Upper
101 100
103 63.7 46.6 86.6





#11

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

Concen: 26.058 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW015548.D

Acq: 05 Jun 2020 17:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD02522

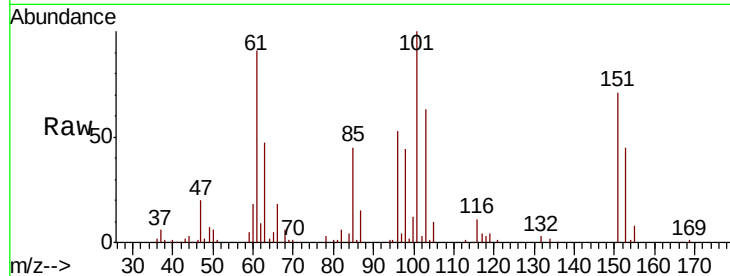
Tot Ion:101 Resp: 100831

Ion Ratio Lower Upper

101 100

85 44.4 35.1 52.7

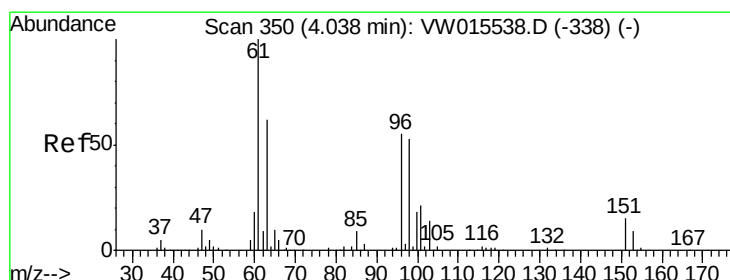
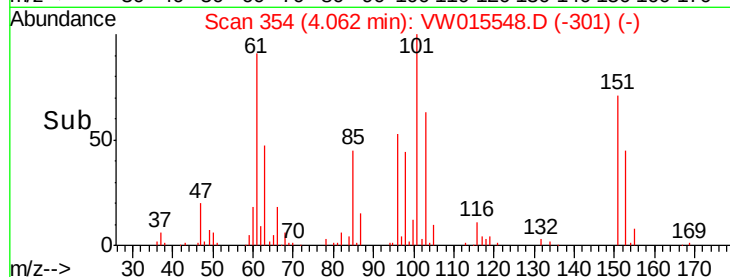
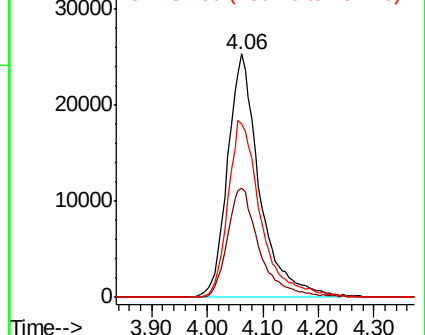
151 72.3 58.6 87.8



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: 25.595 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

Lab File: VW015548.D

Acq: 05 Jun 2020 17:56

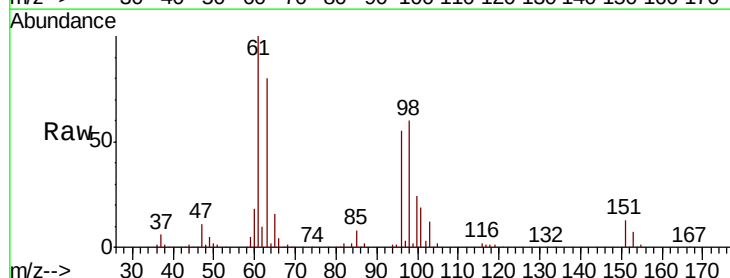
Tgt Ion: 96 Resp: 95670

Ion Ratio Lower Upper

96 100

61 181.3 127.7 237.1

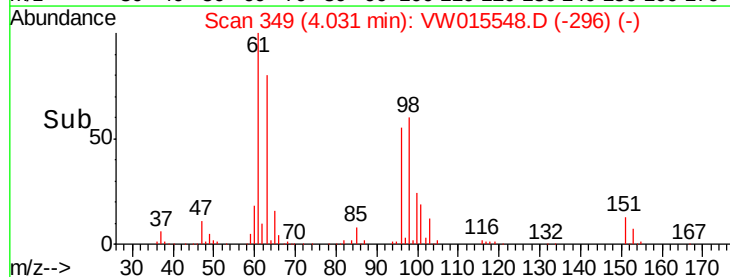
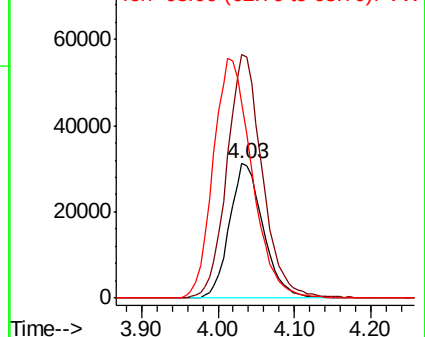
63 145.1 92.3 171.5

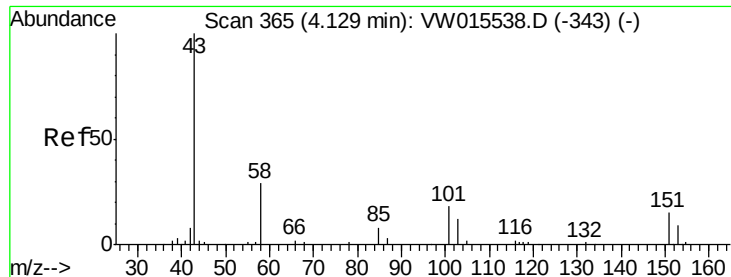


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 30.959 ug/L

RT: 4.18 min Scan# 374

Delta R.T. 0.05 min

Lab File: VW015548.D

Acq: 05 Jun 2020 17:56

Instrument :

MSVOA_W

ClientSampleId :

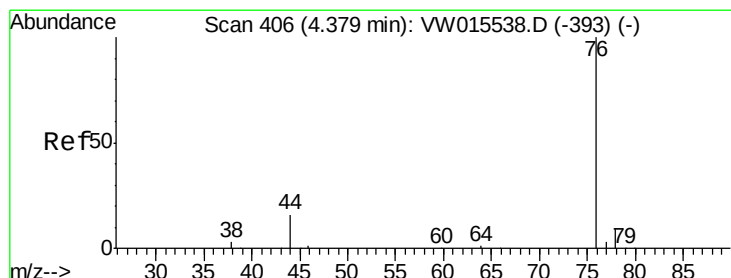
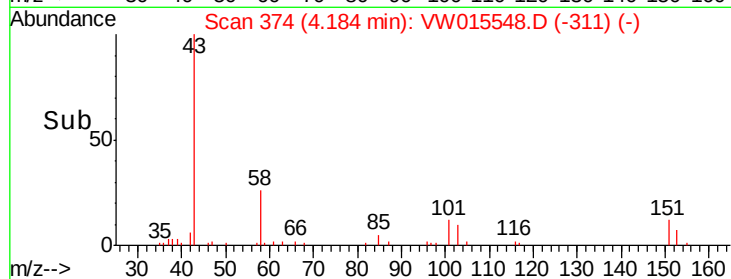
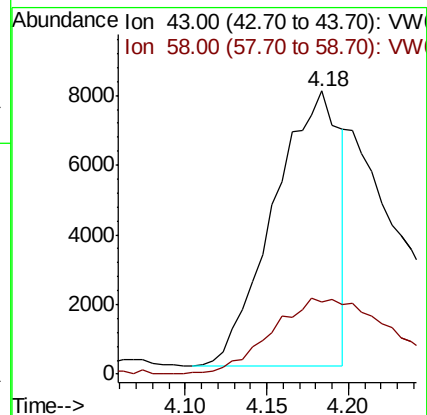
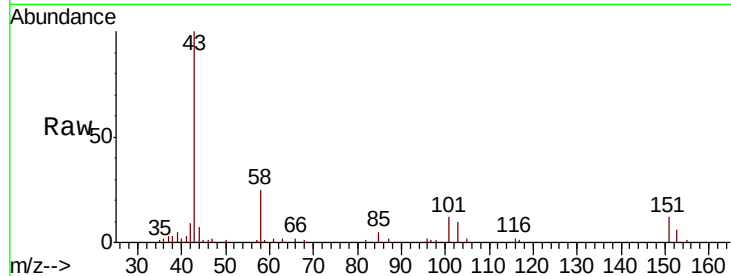
VSTD02522

Tot Ion: 43 Resp: 22447

Ion Ratio Lower Upper

43 100

58 48.1 0.0 56.8



#14

Carbon disulfide

Concen: 23.493 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW015548.D

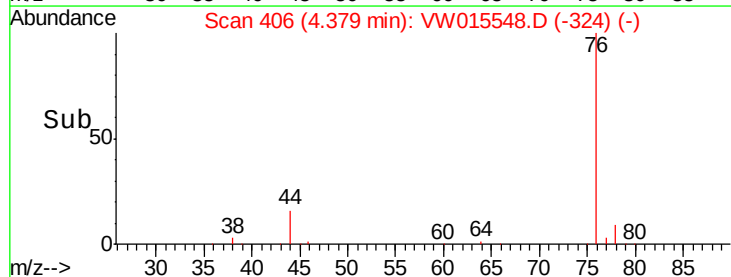
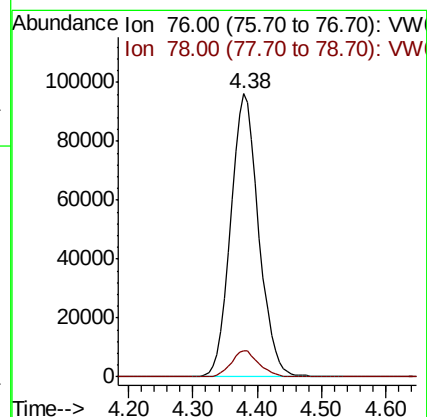
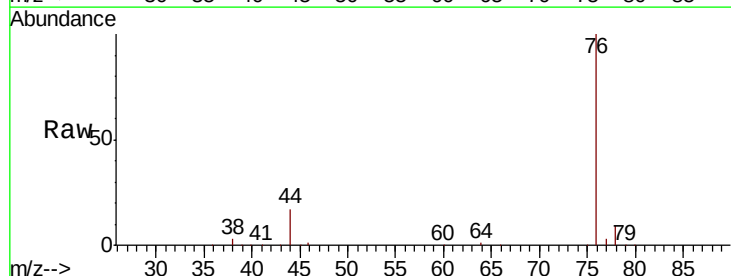
Acq: 05 Jun 2020 17:56

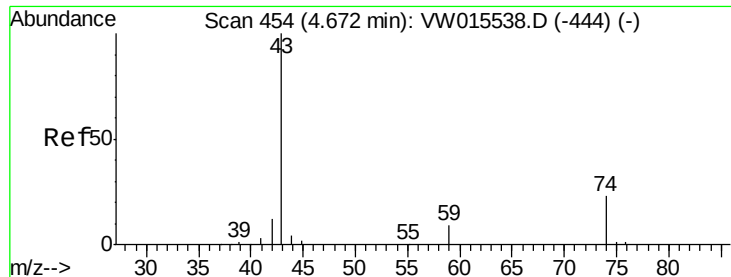
Tgt Ion: 76 Resp: 292950

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9





#15

Methyl Acetate

Concen: 29.476 ug/L

RT: 4.70 min Scan# 458

Delta R.T. 0.02 min

Lab File: VW015548.D

Acq: 05 Jun 2020 17:56

Instrument :

MSVOA_W

ClientSampled :

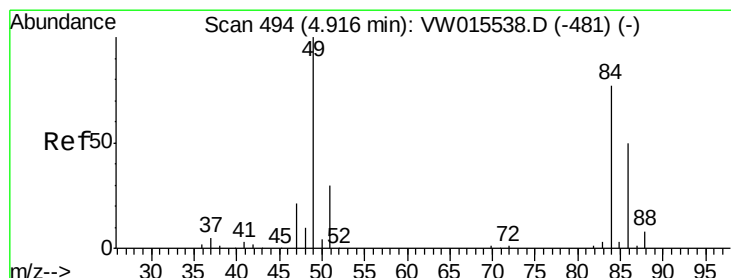
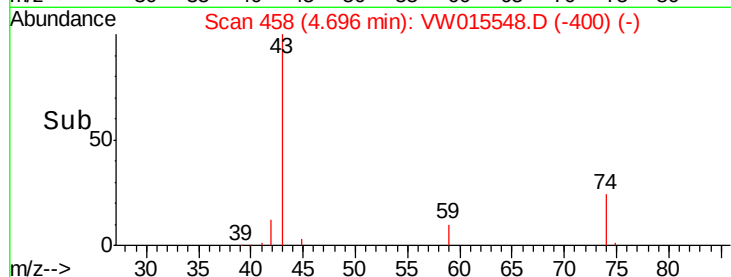
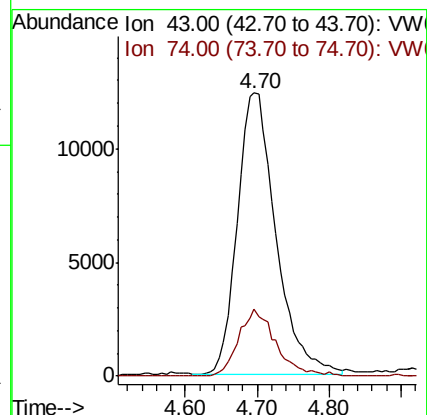
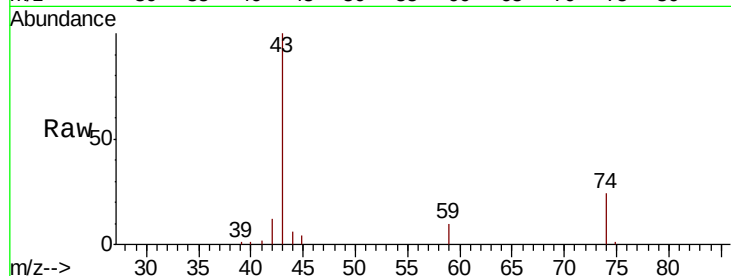
VSTD02522

Tot Ion: 43 Resp: 46237

Ion Ratio Lower Upper

43 100

74 22.1 18.2 27.2



#16

Methylene chloride

Concen: 27.599 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW015548.D

Acq: 05 Jun 2020 17:56

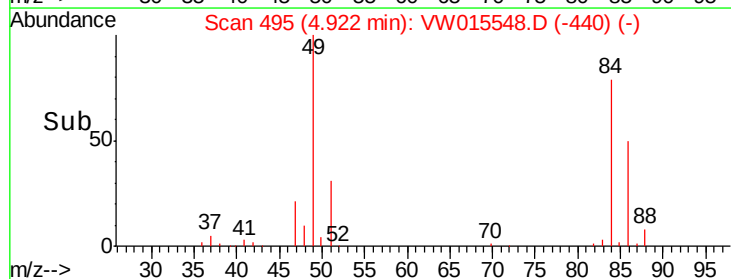
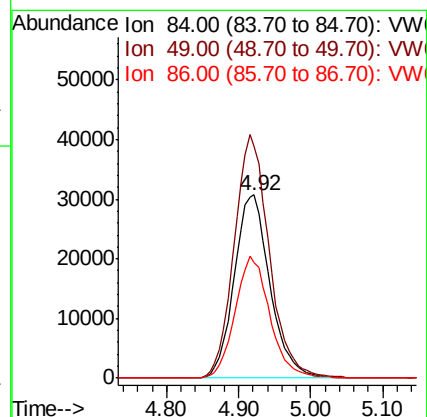
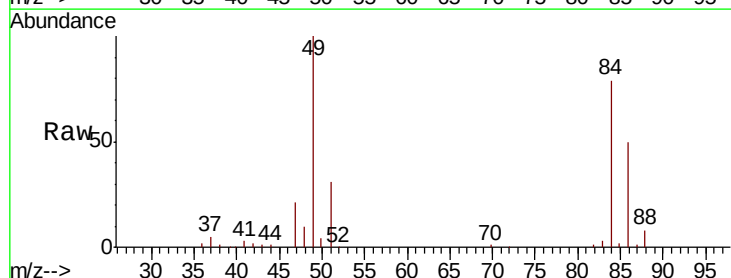
Tgt Ion: 84 Resp: 106181

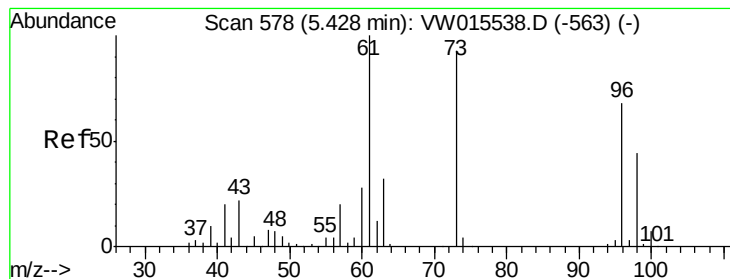
Ion Ratio Lower Upper

84 100

49 126.9 93.0 172.8

86 62.9 44.7 83.1





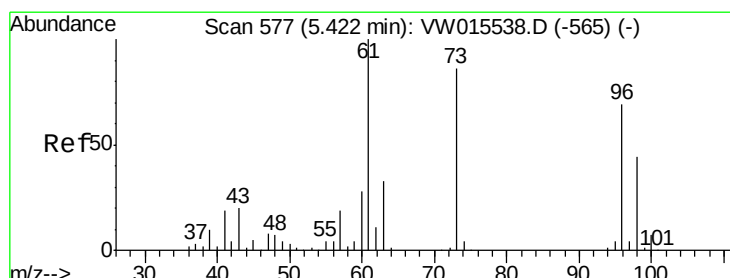
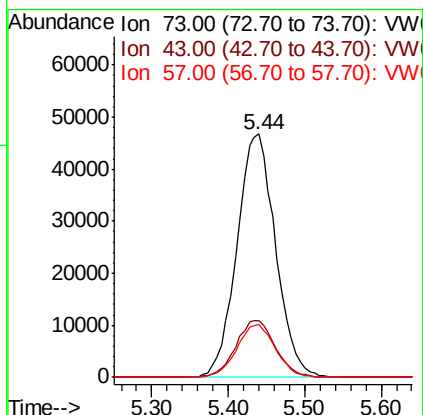
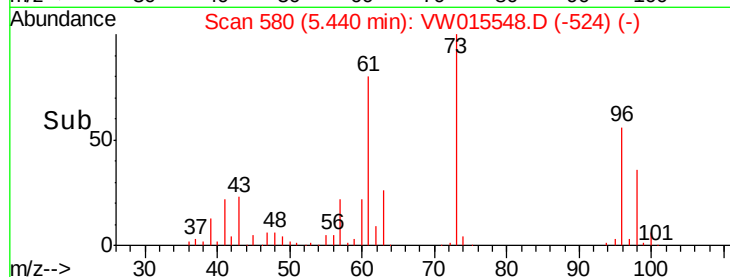
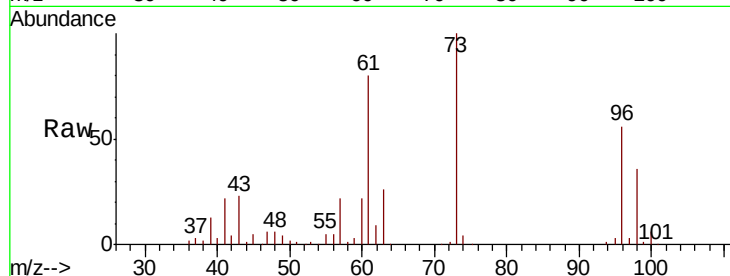
#17

Methyl tert-butyl Ether
 Concen: 27.613 ug/L
 RT: 5.44 min Scan# 580
 Delta R.T. 0.01 min
 Lab File: VW015548.D
 Acq: 05 Jun 2020 17:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02522

Tot Ion: 73 Resp: 163788

Ion	Ratio	Lower	Upper
73	100		
43	24.1	19.6	29.4
57	21.9	17.7	26.5

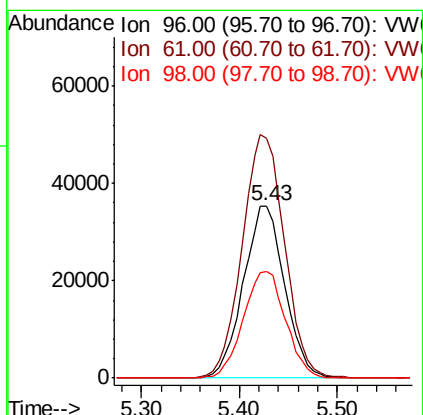
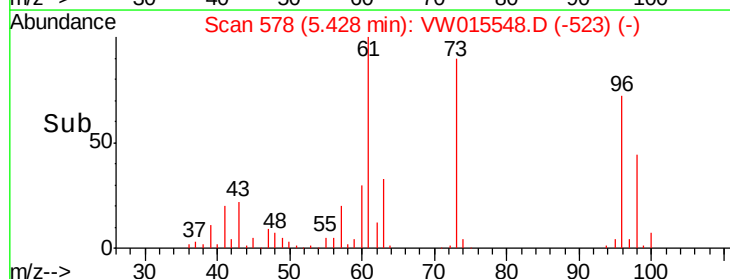
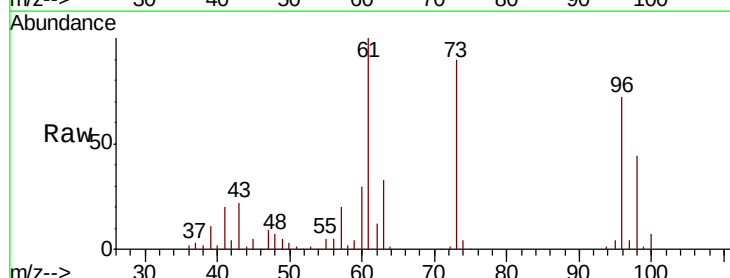


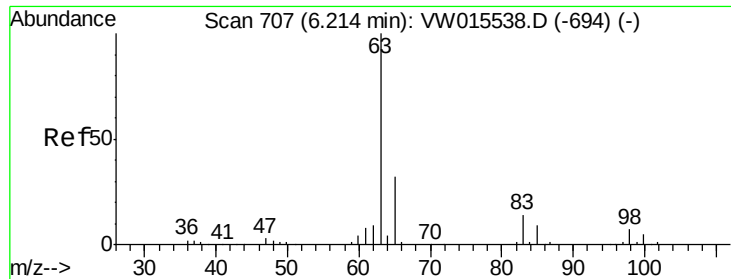
#18

trans-1,2-Dichloroethene
 Concen: 25.929 ug/L
 RT: 5.43 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: VW015548.D
 Acq: 05 Jun 2020 17:56

Tgt Ion: 96 Resp: 103866

Ion	Ratio	Lower	Upper
96	100		
61	139.4	101.9	189.3
98	61.9	44.9	83.5

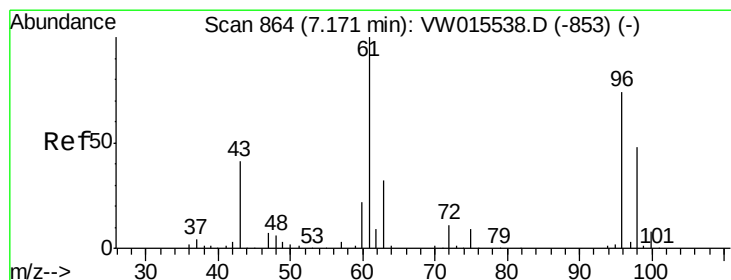
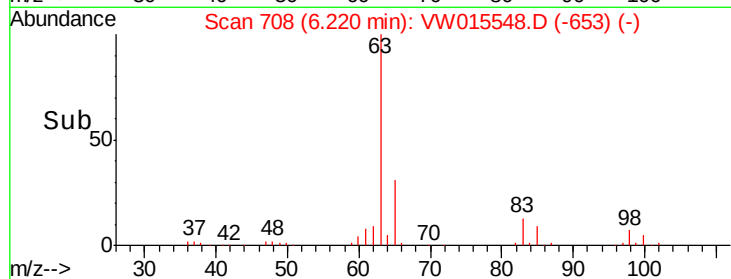
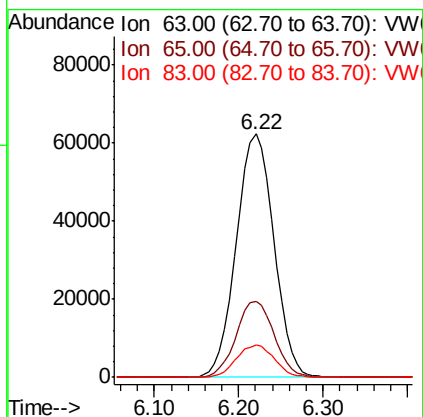
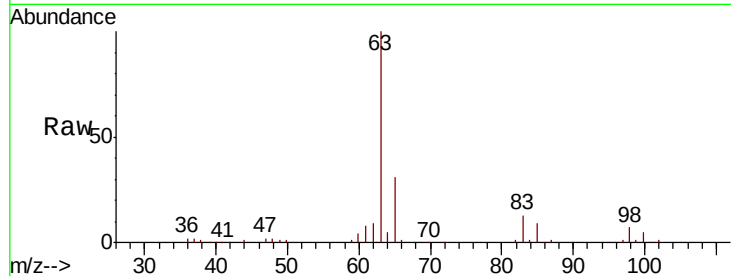




#19
 1,1-Dichloroethane
 Concen: 26.249 ug/L
 RT: 6.22 min Scan# 708
 Delta R.T. 0.01 min
 Lab File: VW015548.D
 Acq: 05 Jun 2020 17:56

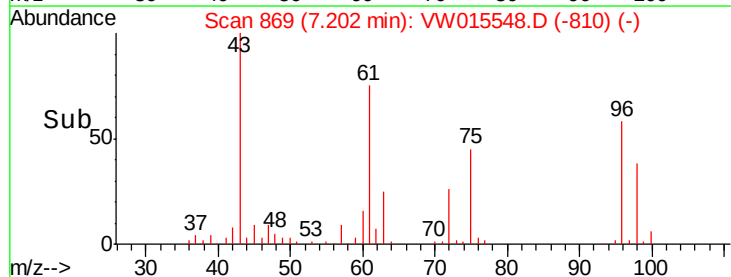
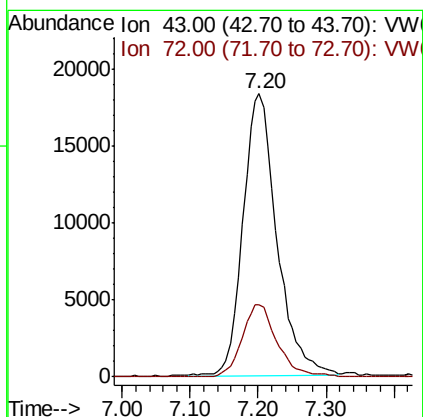
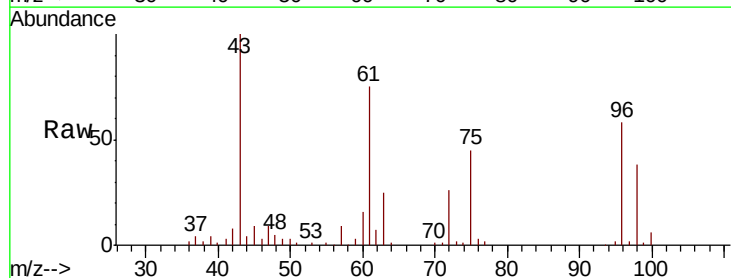
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02522

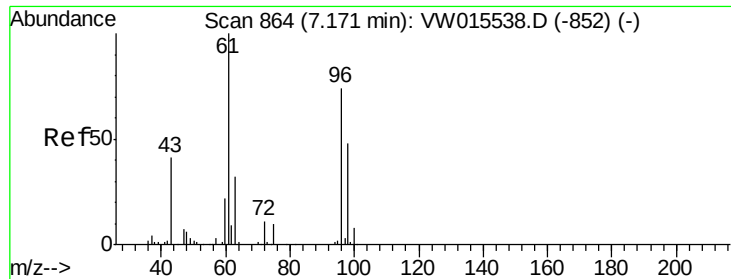
Tot Ion: 63 Resp: 189124
 Ion Ratio Lower Upper
 63 100
 65 31.1 22.1 41.1
 83 13.2 9.7 17.9



#21
 2-Butanone
 Concen: 57.080 ug/L
 RT: 7.20 min Scan# 869
 Delta R.T. 0.03 min
 Lab File: VW015548.D
 Acq: 05 Jun 2020 17:56

Tgt Ion: 43 Resp: 63576
 Ion Ratio Lower Upper
 43 100
 72 26.4 13.3 39.9



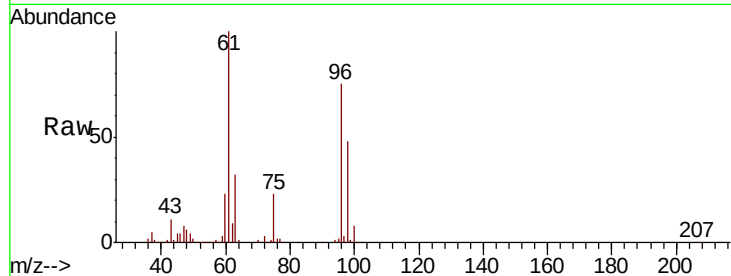


#22

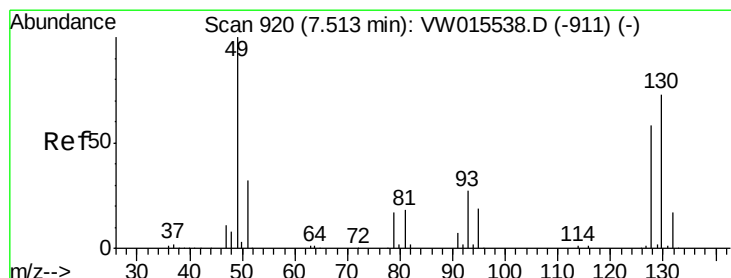
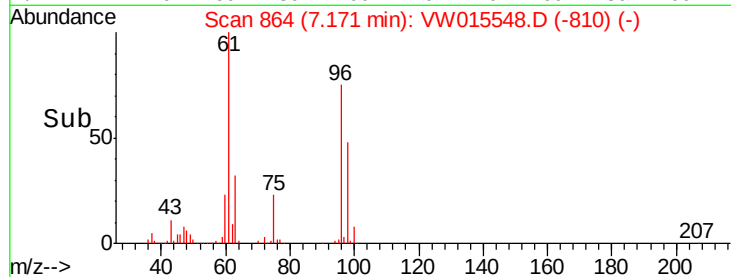
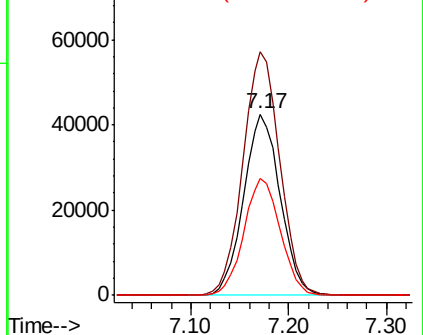
cis-1,2-Dichloroethene
 Concen: 26.403 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW015548.D
 Acq: 05 Jun 2020 17:56

Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02522

Tot Ion: 96 Resp: 110330
 Ion Ratio Lower Upper
 96 100
 61 134.2 93.7 173.9
 98 64.5 45.1 83.9



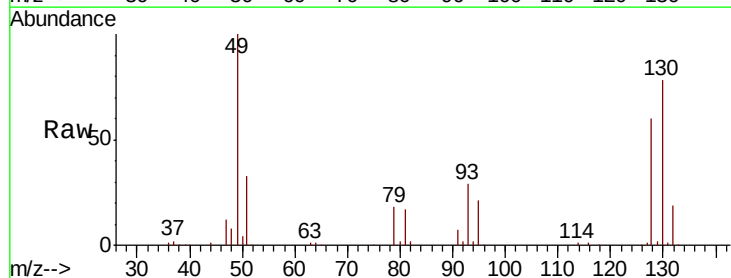
Abundance Ion 96.00 (95.70 to 96.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 98.00 (97.70 to 98.70): VW



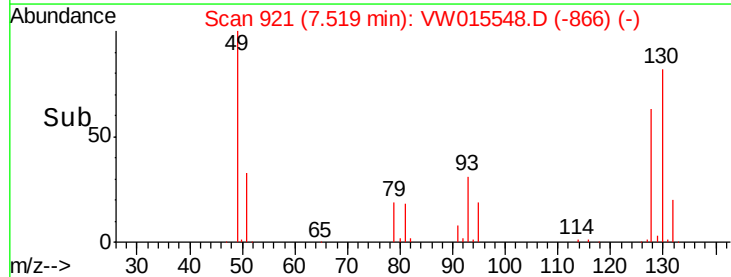
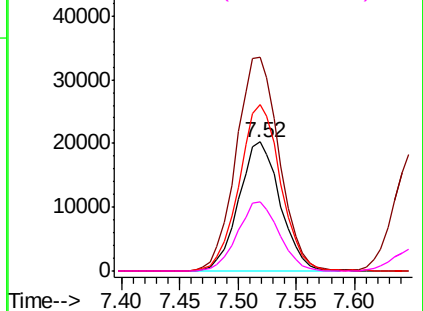
#23

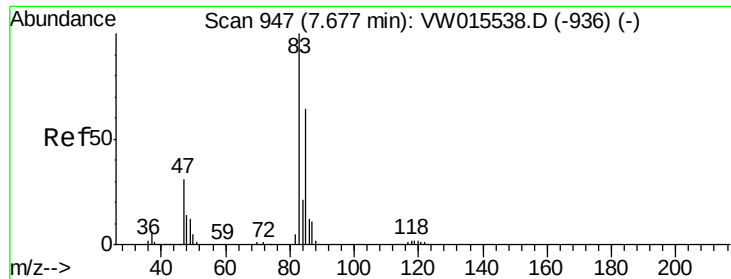
Bromochloromethane
 Concen: 27.854 ug/L
 RT: 7.52 min Scan# 921
 Delta R.T. 0.01 min
 Lab File: VW015548.D
 Acq: 05 Jun 2020 17:56

Tgt Ion: 128 Resp: 50192
 Ion Ratio Lower Upper
 128 100
 49 165.7 118.1 219.3
 130 129.1 88.5 164.3
 51 54.0 42.8 64.2



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: 27.303 ug/L

RT: 7.68 min Scan# 947

Delta R.T. -0.00 min

Lab File: VW015548.D

Acq: 05 Jun 2020 17:56

Instrument :

MSVOA_W

ClientSampleId :

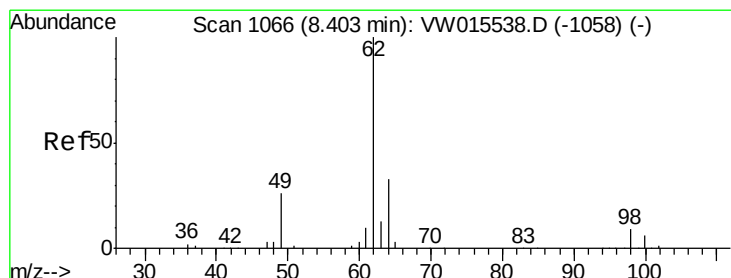
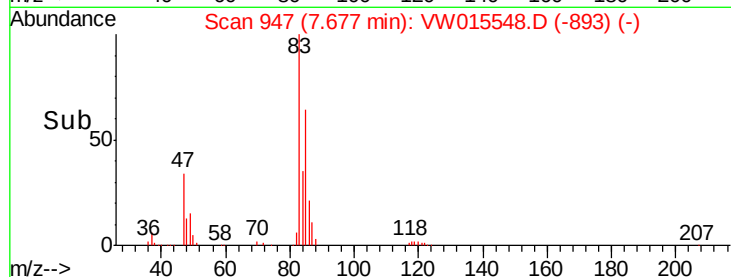
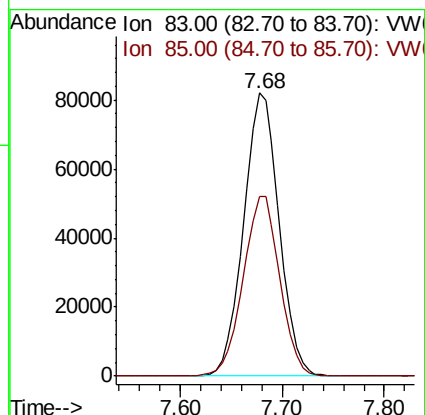
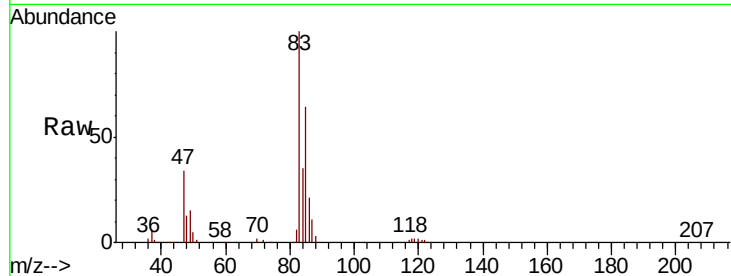
VSTD02522

Tot Ion: 83 Resp: 198078

Ion Ratio Lower Upper

83 100

85 65.7 45.7 84.9



#27

1,2-Dichloroethane

Concen: 28.760 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VW015548.D

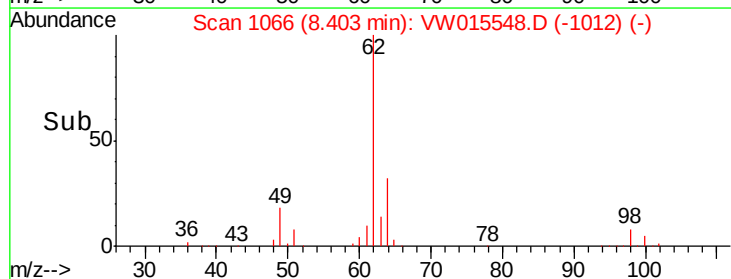
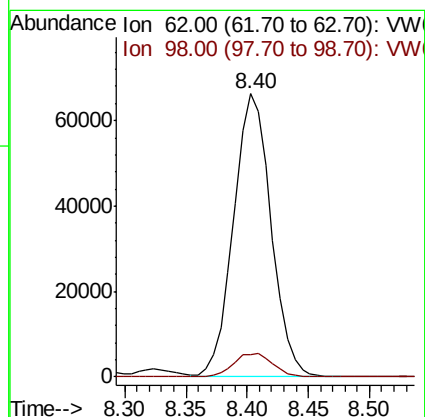
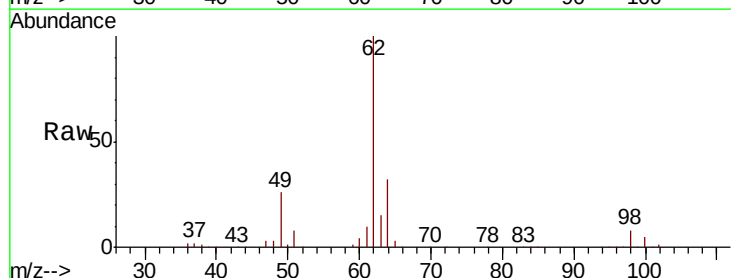
Acq: 05 Jun 2020 17:56

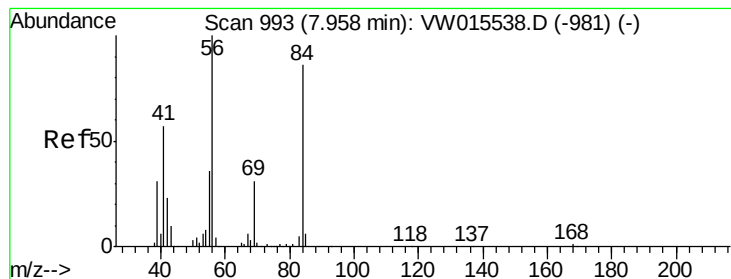
Tgt Ion: 62 Resp: 141153

Ion Ratio Lower Upper

62 100

98 7.8 7.0 10.4





#30

Cyclohexane

Concen: 24.772 ug/L

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW015548.D

Acq: 05 Jun 2020 17:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD02522

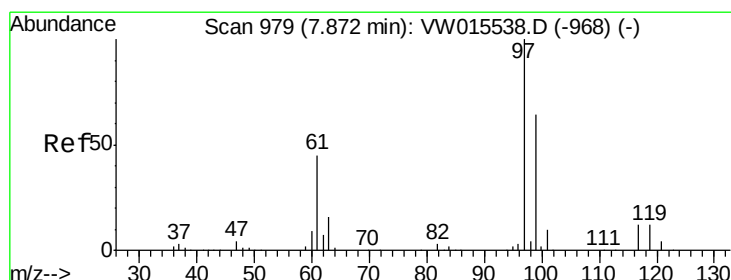
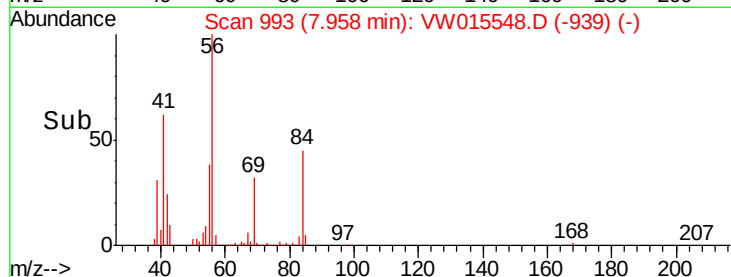
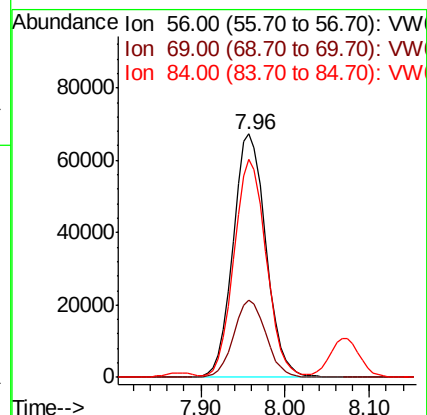
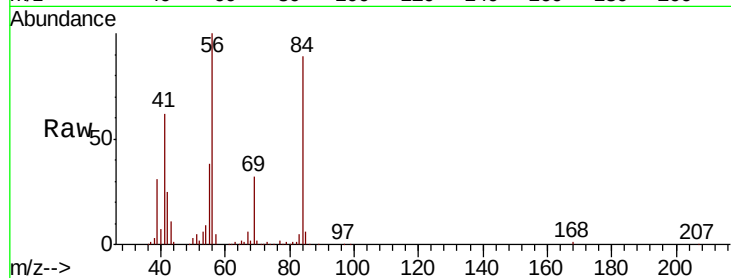
Tot Ion: 56 Resp: 177754

Ion Ratio Lower Upper

56 100

69 31.2 24.6 37.0

84 88.3 69.6 104.4



#31

1,1,1-Trichloroethane

Concen: 25.899 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW015548.D

Acq: 05 Jun 2020 17:56

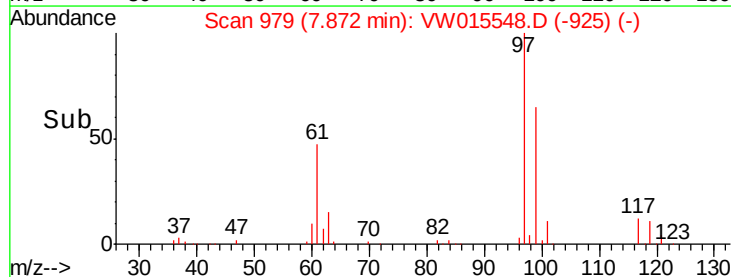
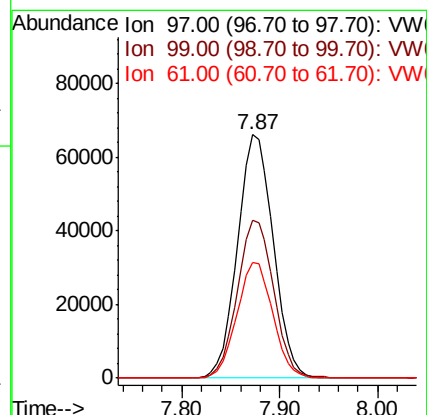
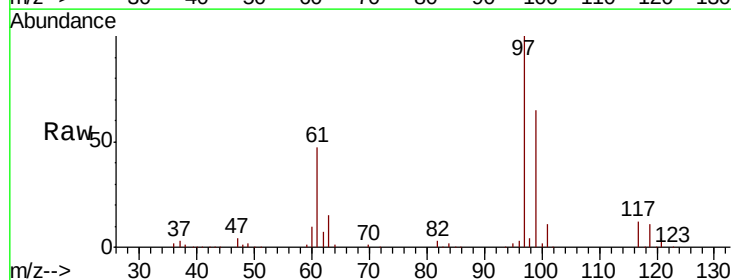
Tgt Ion: 97 Resp: 168192

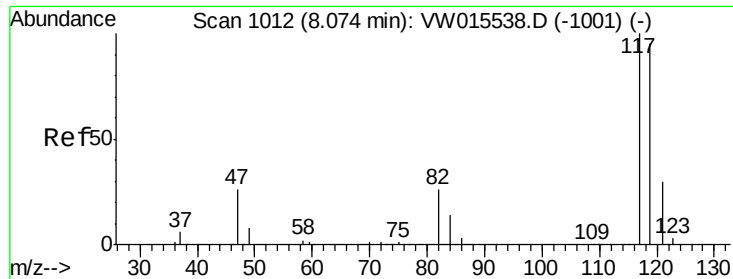
Ion Ratio Lower Upper

97 100

99 65.7 51.4 77.0

61 47.5 38.1 57.1





#32

Carbon tetrachloride

Concen: 25.968 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VW015548.D

Acq: 05 Jun 2020 17:56

Instrument :

MSVOA_W

ClientSampleId :

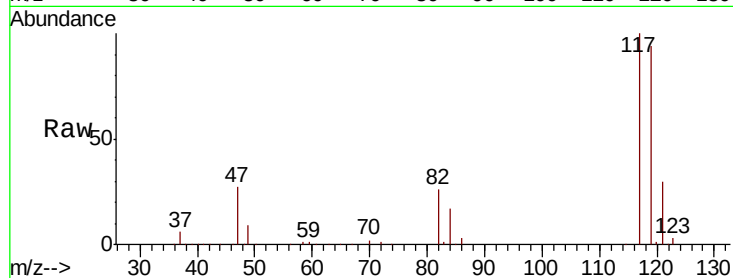
VSTD02522

Tot Ion:117 Resp: 154672

Ion Ratio Lower Upper

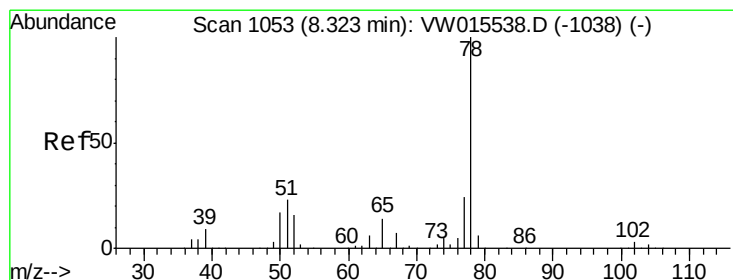
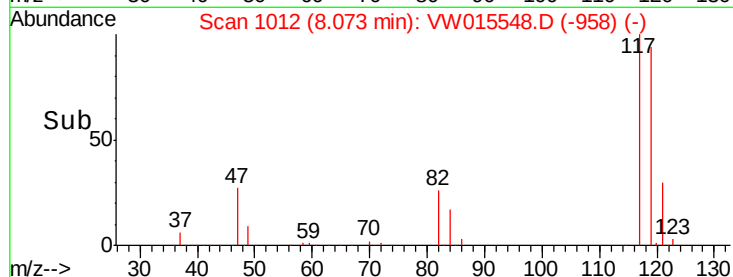
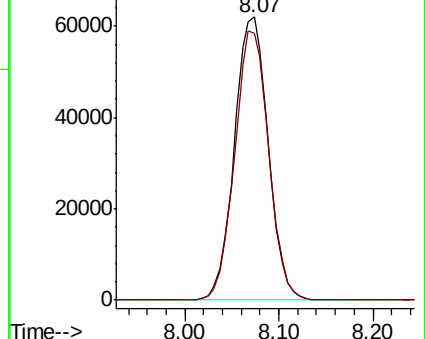
117 100

119 95.8 76.4 114.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 26.681 ug/L

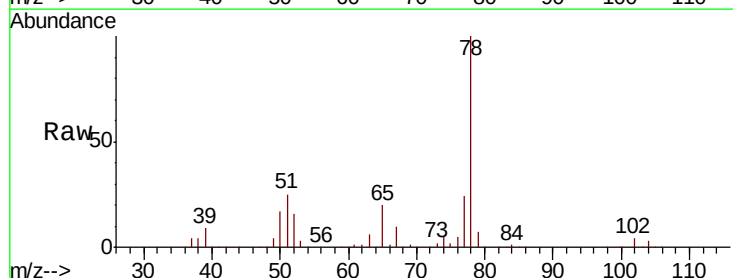
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

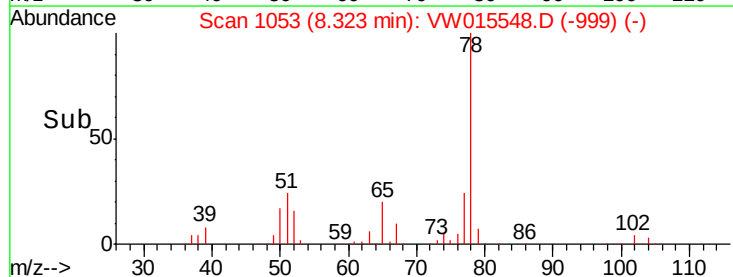
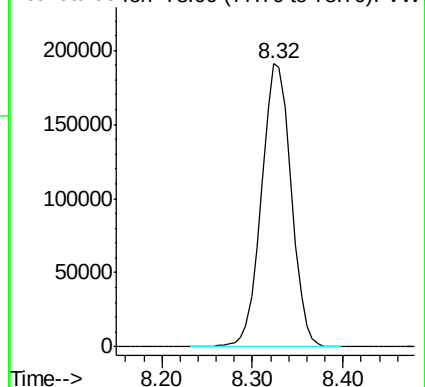
Lab File: VW015548.D

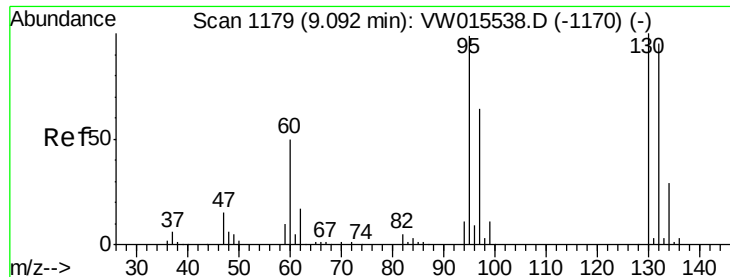
Acq: 05 Jun 2020 17:56

Tgt Ion: 78 Resp: 433134



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 26.312 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW015548.D

Acq: 05 Jun 2020 17:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD02522

Tot Ion: 95 Resp: 114733

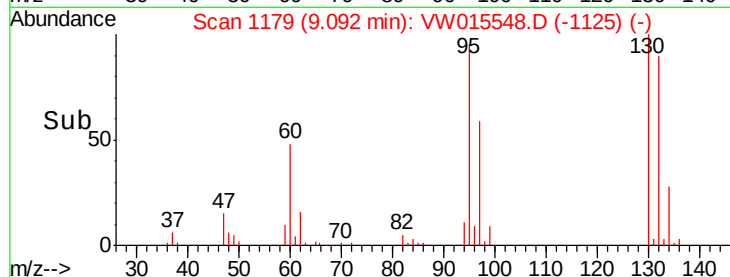
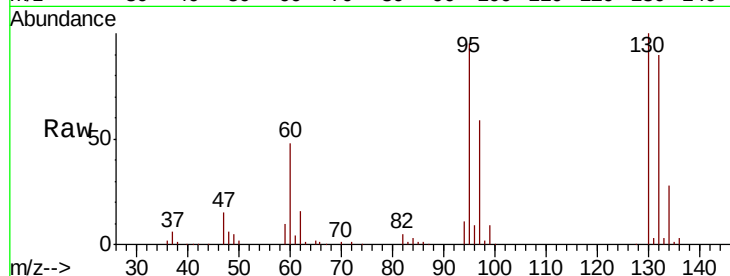
Ion Ratio Lower Upper

95 100

97 64.3 45.4 84.2

132 95.8 67.1 124.7

130 100.2 69.4 128.8

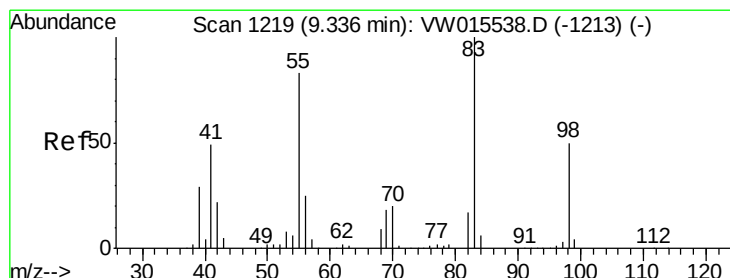
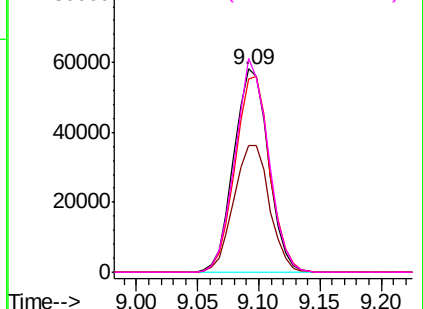


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 25.639 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW015548.D

Acq: 05 Jun 2020 17:56

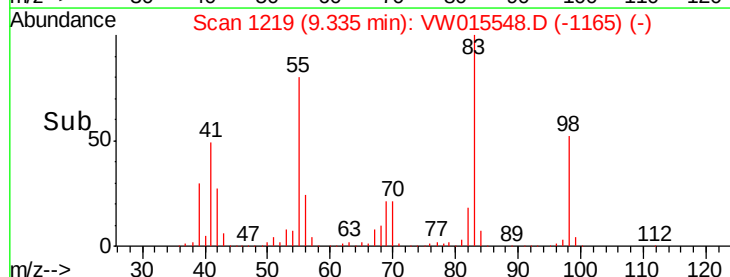
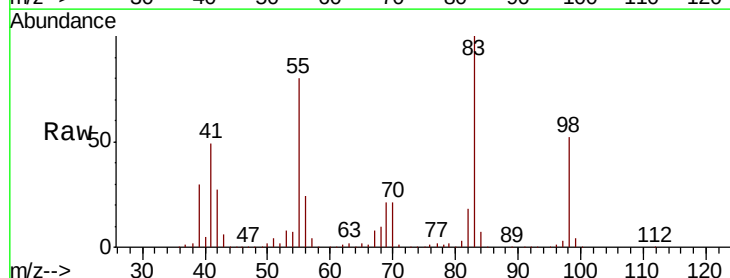
Tgt Ion: 83 Resp: 199393

Ion Ratio Lower Upper

83 100

55 78.2 62.8 94.2

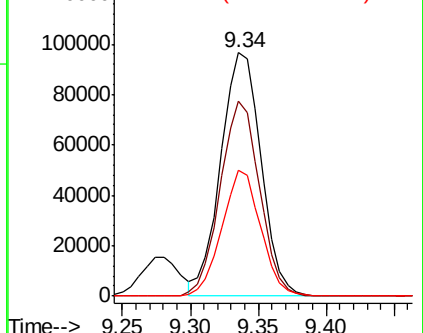
98 49.8 39.2 58.8

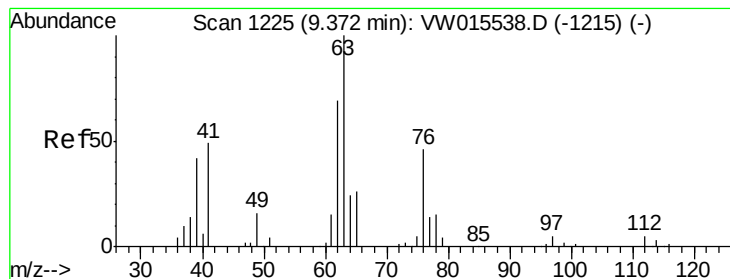


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 26.673 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VW015548.D

Acq: 05 Jun 2020 17:56

Instrument :

MSVOA_W

ClientSampleId :

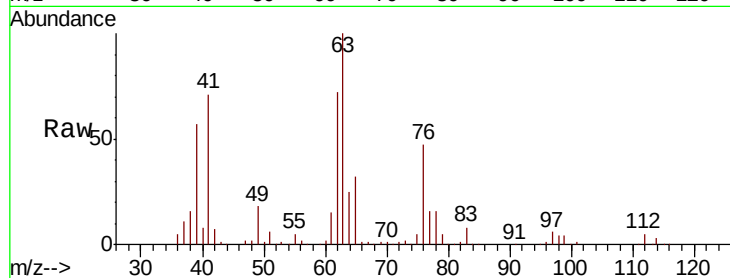
VSTD02522

Tot Ion: 63 Resp: 106630

Ion Ratio Lower Upper

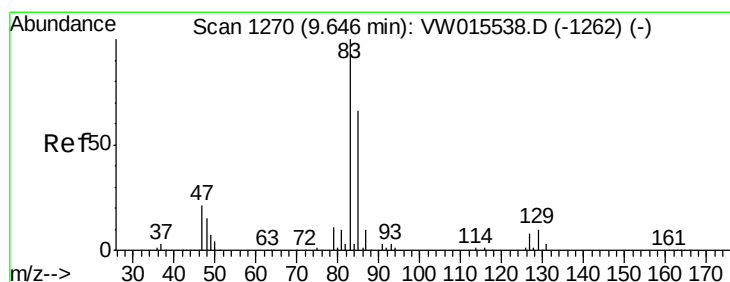
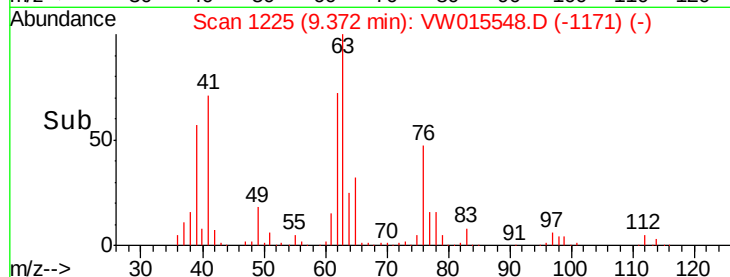
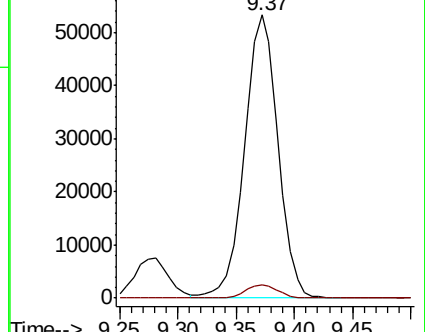
63 100

112 4.6 3.8 5.8



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 26.802 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW015548.D

Acq: 05 Jun 2020 17:56

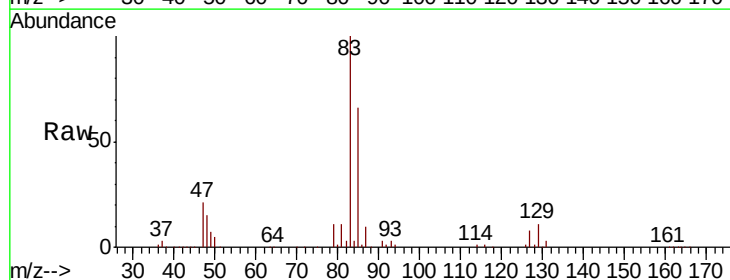
Tgt Ion: 83 Resp: 143142

Ion Ratio Lower Upper

83 100

85 65.5 44.8 83.2

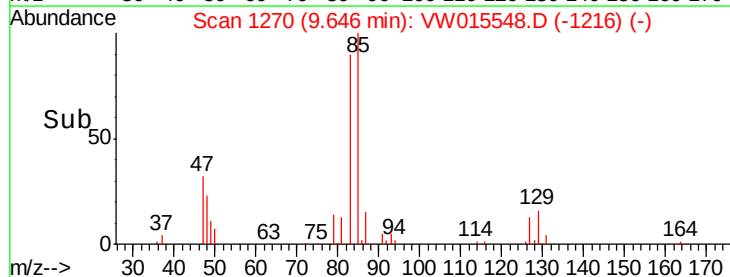
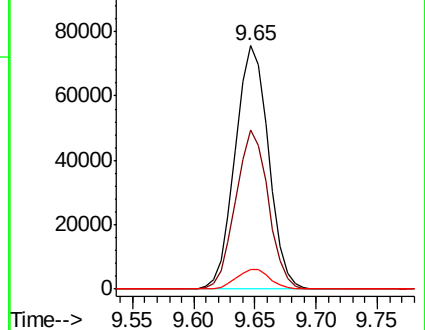
127 8.2 7.0 10.6

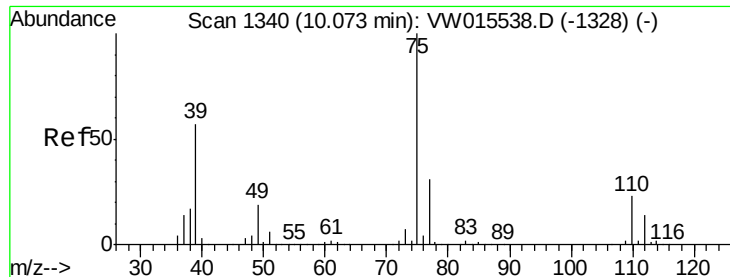


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 26.505 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW015548.D

Acq: 05 Jun 2020 17:56

Instrument :

MSVOA_W

ClientSampleId :

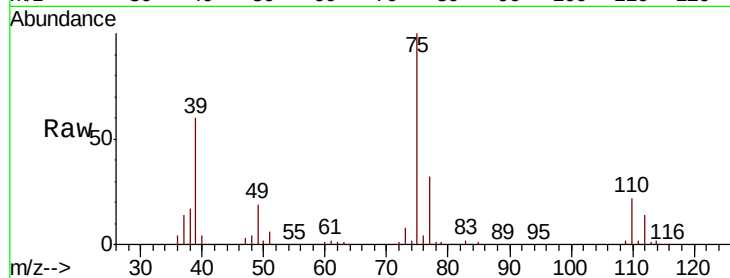
VSTD02522

Tot Ion: 75 Resp: 169557

Ion Ratio Lower Upper

75 100

77 31.9 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.07

80000

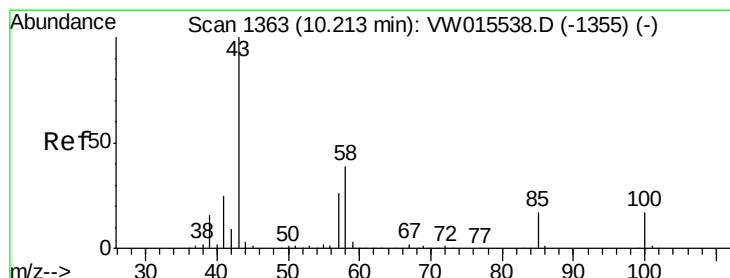
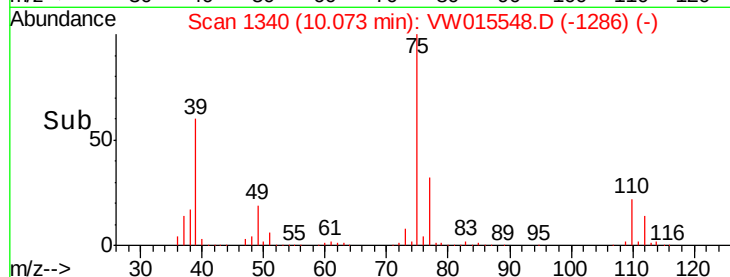
60000

40000

20000

0

Time-->



#43

4-Methyl-2-pentanone

Concen: 59.433 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW015548.D

Acq: 05 Jun 2020 17:56

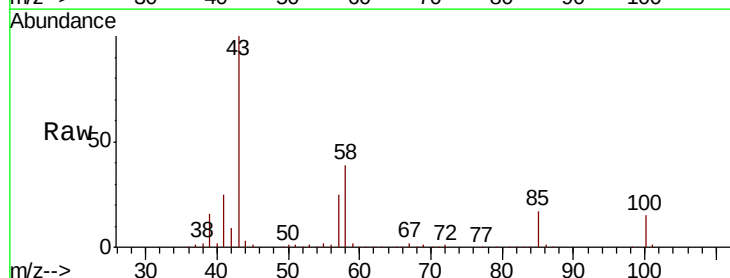
Tgt Ion: 43 Resp: 139273

Ion Ratio Lower Upper

43 100

58 38.4 30.6 46.0

100 15.8 12.5 18.7



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

200000

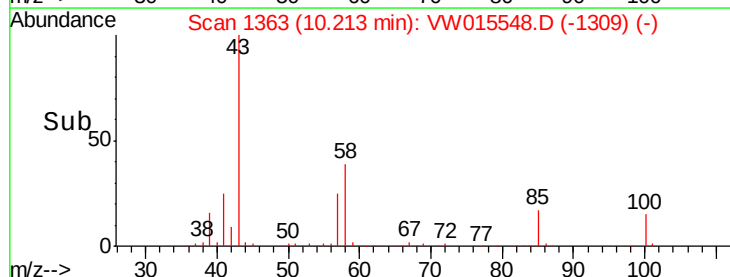
150000

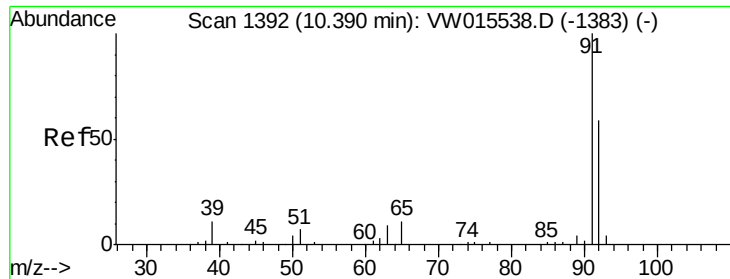
100000

50000

0

Time-->





#44

Toluene

Concen: 26.690 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW015548.D

Acq: 05 Jun 2020 17:56

Instrument :

MSVOA_W

ClientSampleId :

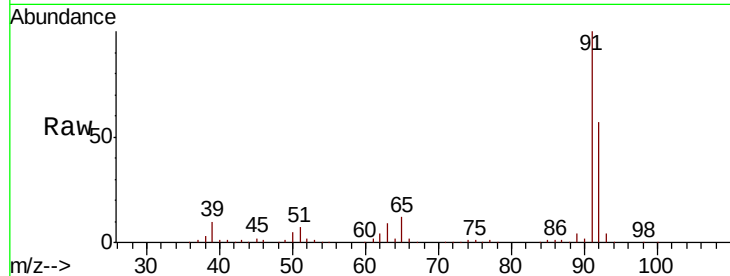
VSTD02522

Tot Ion: 91 Resp: 472048

Ion Ratio Lower Upper

91 100

92 57.1 41.7 77.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.39

300000

250000

200000

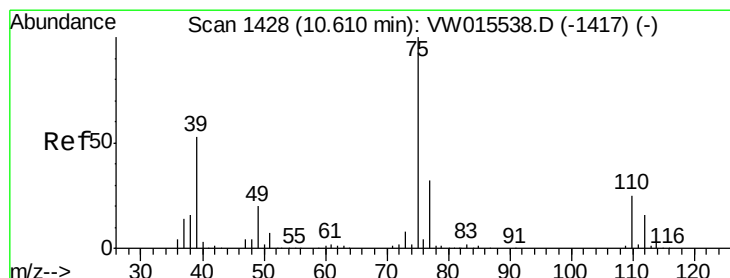
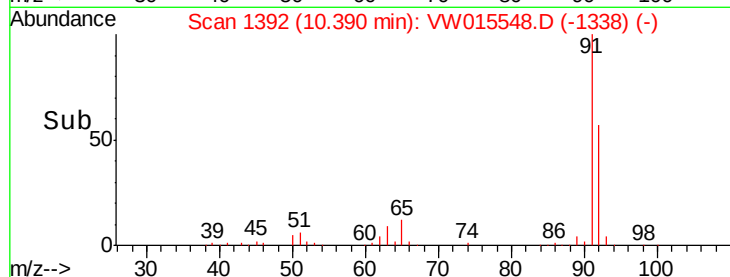
150000

100000

50000

0

Time--> 10.30 10.40



#45

trans-1,3-Dichloropropene

Concen: 27.825 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW015548.D

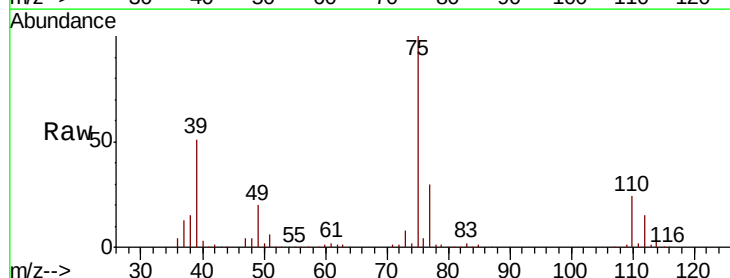
Acq: 05 Jun 2020 17:56

Tgt Ion: 75 Resp: 154905

Ion Ratio Lower Upper

75 100

77 30.5 21.5 39.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.61

100000

80000

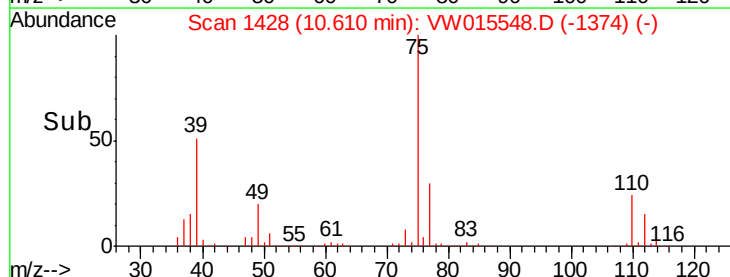
60000

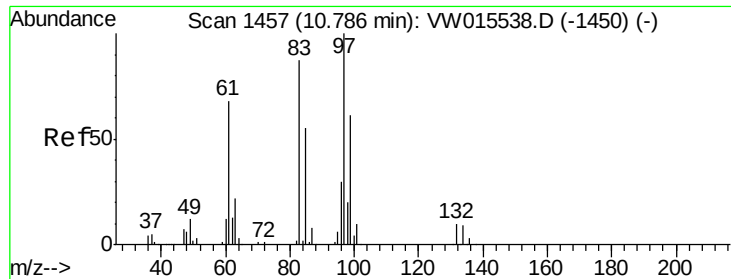
40000

20000

0

Time--> 10.50 10.60 10.70

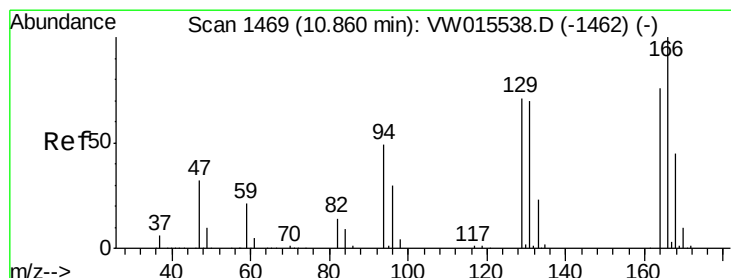
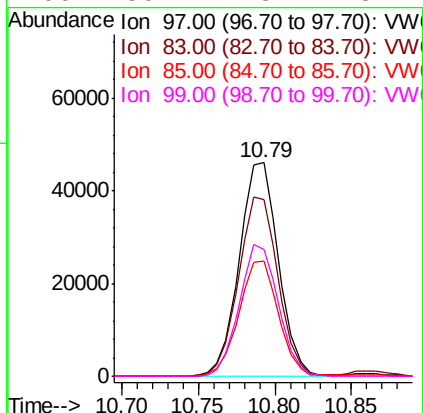
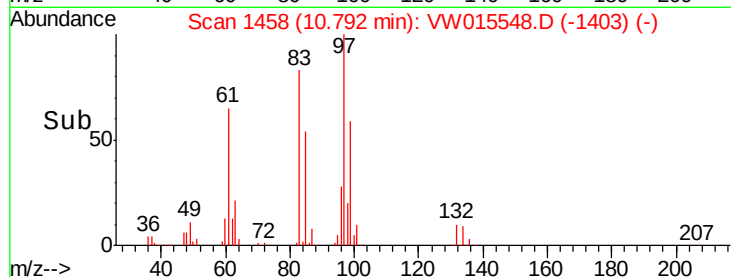
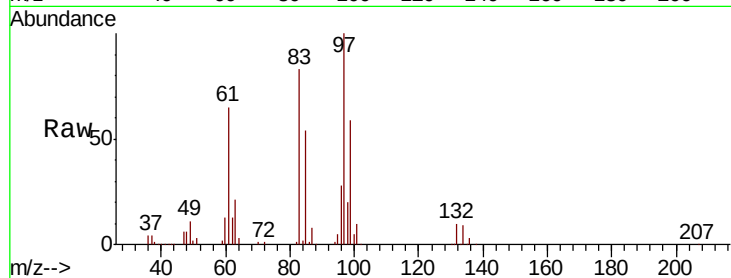




#46
 1,1,2-Trichloroethane
 Concen: 29.358 ug/L
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.01 min
 Lab File: VW015548.D
 Acq: 05 Jun 2020 17:56

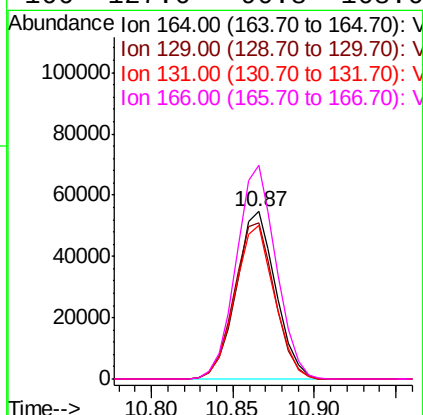
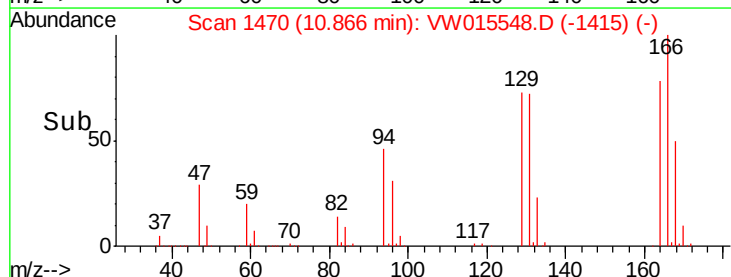
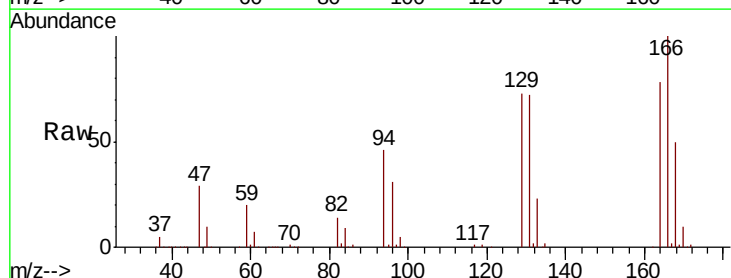
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02522

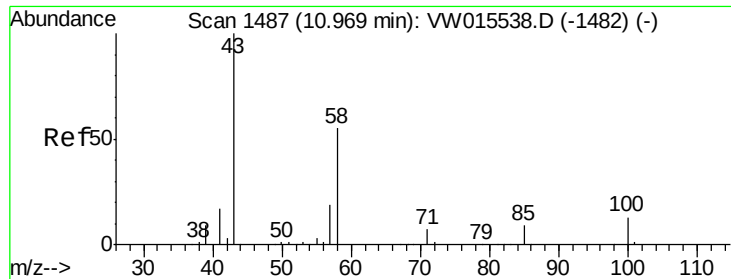
Tot Ion:	97	Resp:	82108
Ion	Ratio	Lower	Upper
97	100		
83	82.6	58.2	108.2
85	53.9	37.4	69.4
99	59.2	43.7	81.1



#47
 Tetrachloroethene
 Concen: 26.601 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. 0.01 min
 Lab File: VW015548.D
 Acq: 05 Jun 2020 17:56

Tgt Ion:	164	Resp:	91948
Ion	Ratio	Lower	Upper
164	100		
129	93.7	66.3	123.1
131	91.6	65.1	120.9
166	127.6	90.8	168.6





#49

2-Hexanone

Concen: 61.133 ug/L

RT: 10.98 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VW015548.D

Acq: 05 Jun 2020 17:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD02522

Tot Ion: 43 Resp: 96696

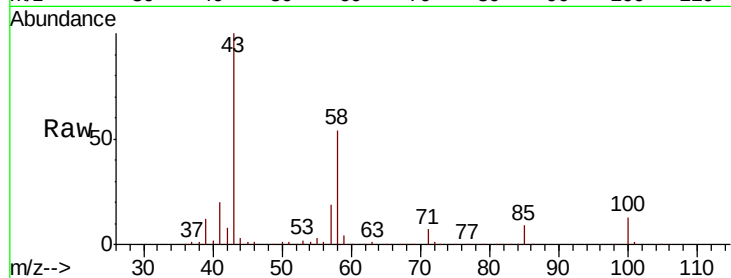
Ion Ratio Lower Upper

43 100

58 53.9 42.6 64.0

57 19.1 15.5 23.3

100 12.5 10.3 15.5

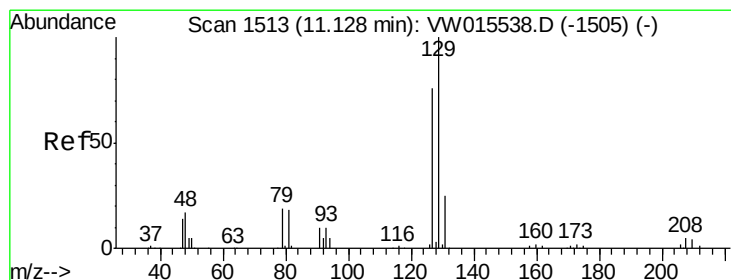
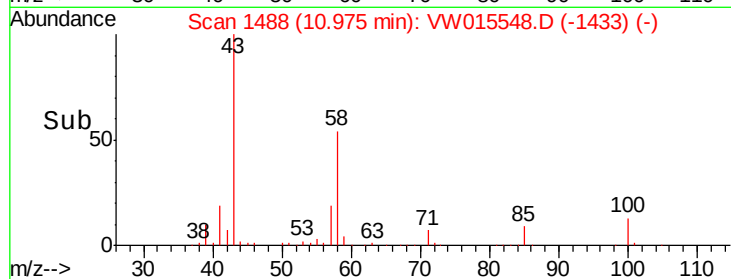
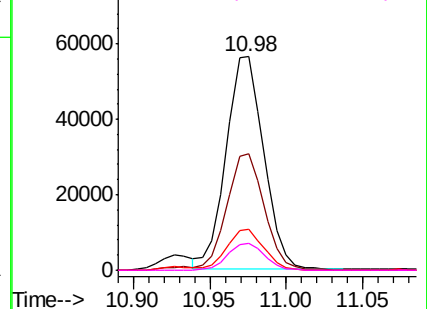


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 28.404 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW015548.D

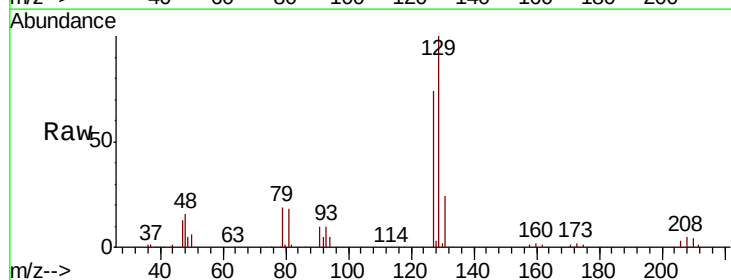
Acq: 05 Jun 2020 17:56

Tgt Ion: 129 Resp: 96516

Ion Ratio Lower Upper

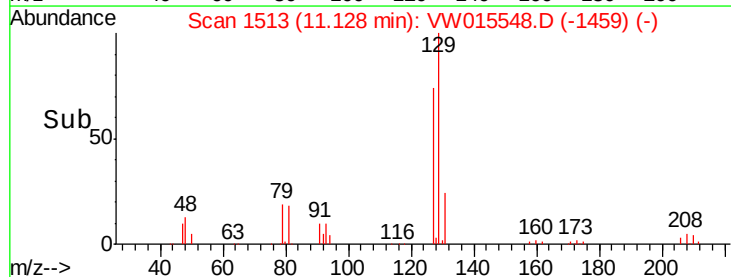
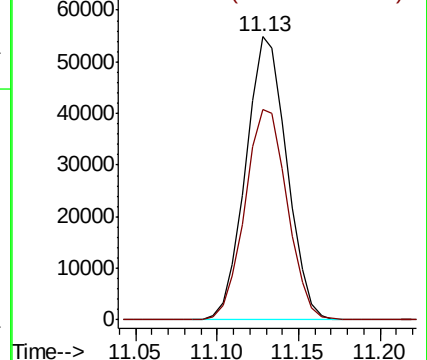
129 100

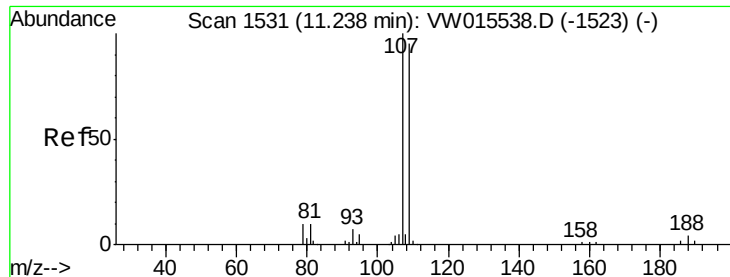
127 74.3 53.0 98.4



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

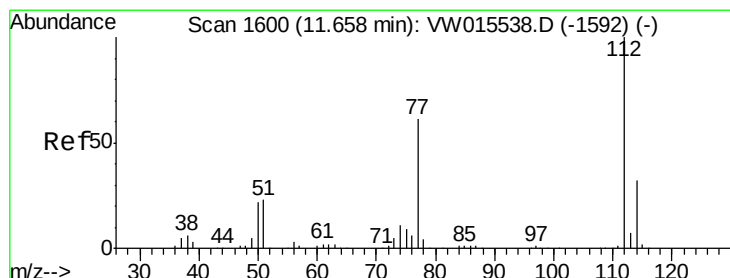
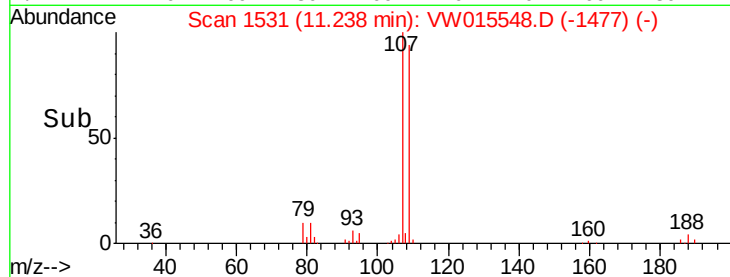
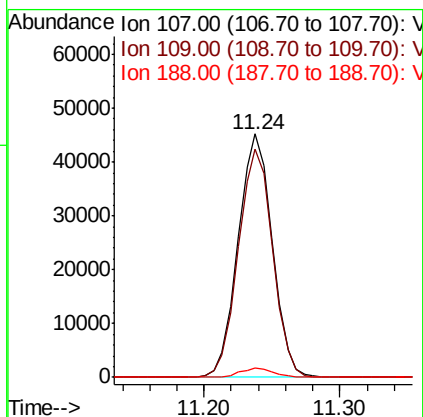
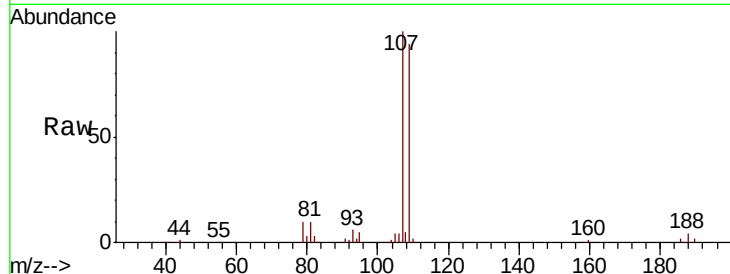




#51
 1,2-Dibromoethane
 Concen: 29.498 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW015548.D
 Acq: 05 Jun 2020 17:56

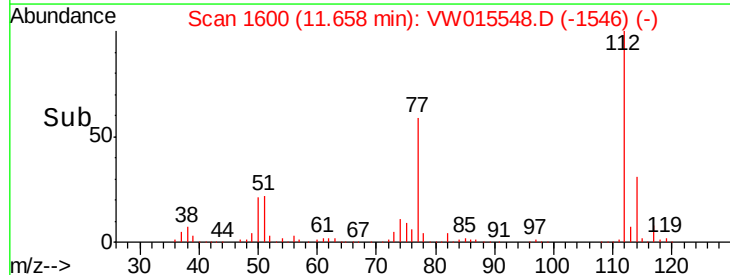
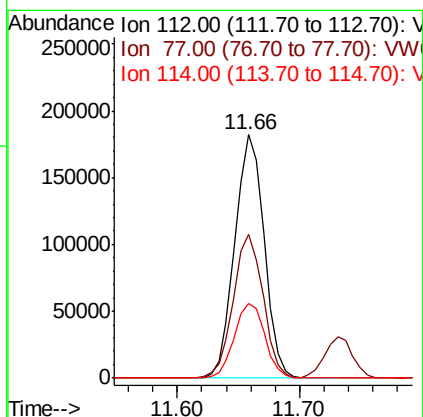
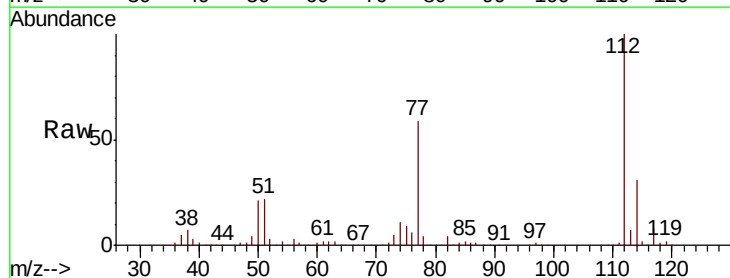
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02522

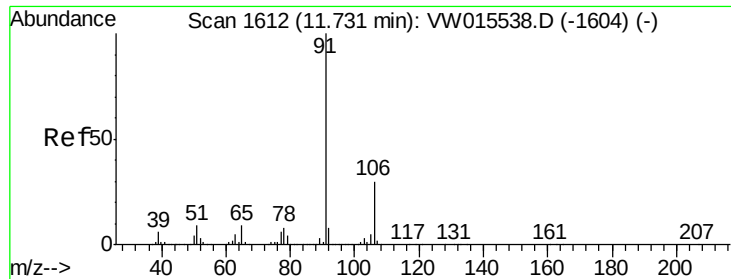
Tot Ion:107 Resp: 79201
 Ion Ratio Lower Upper
 107 100
 109 93.7 64.6 120.0
 188 3.6 2.8 4.2



#52
 Chlorobenzene
 Concen: 27.319 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW015548.D
 Acq: 05 Jun 2020 17:56

Tgt Ion:112 Resp: 303063
 Ion Ratio Lower Upper
 112 100
 77 59.3 49.7 74.5
 114 30.8 21.8 40.6





#53

Ethylbenzene

Concen: 26.717 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW015548.D

Acq: 05 Jun 2020 17:56

Instrument :

MSVOA_W

ClientSampleId :

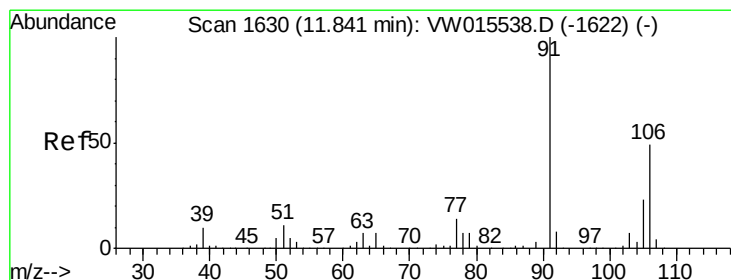
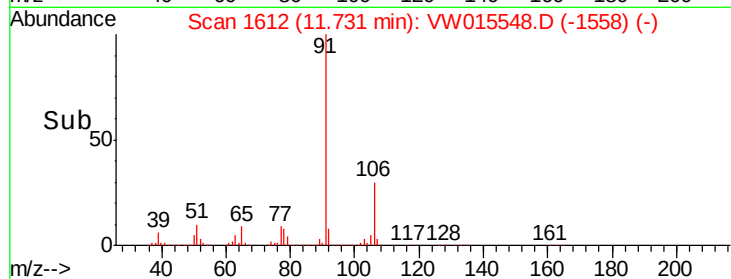
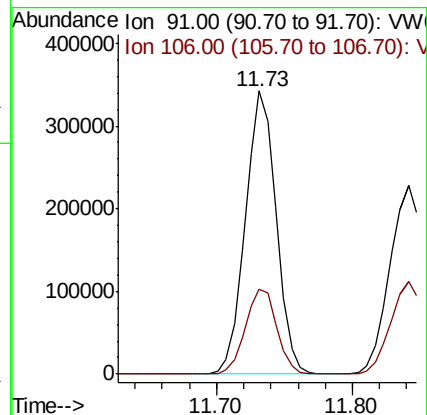
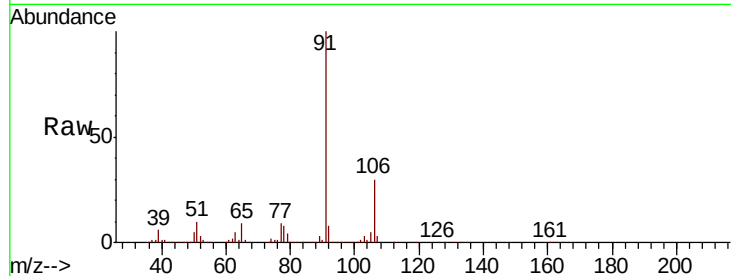
VSTD02522

Tot Ion: 91 Resp: 542570

Ion Ratio Lower Upper

91 100

106 29.8 21.3 39.6



#54

m,p-Xylene

Concen: 26.597 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW015548.D

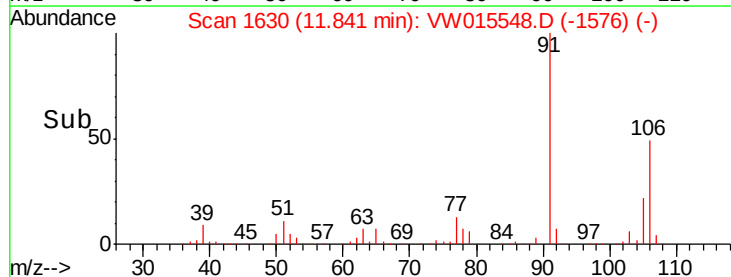
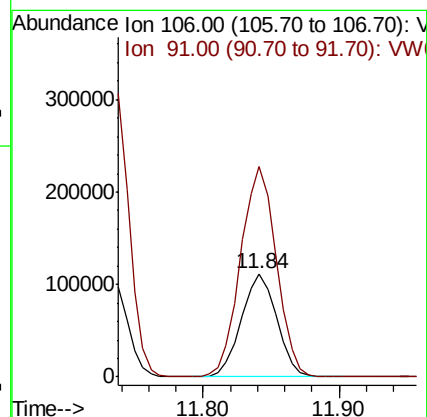
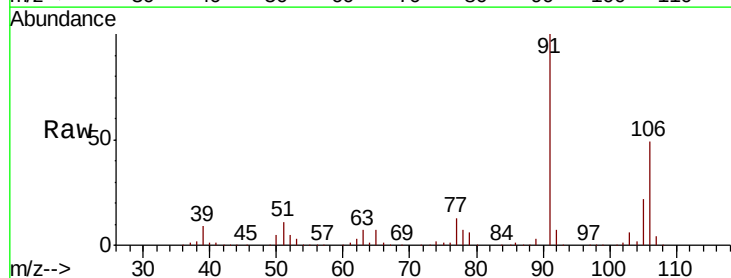
Acq: 05 Jun 2020 17:56

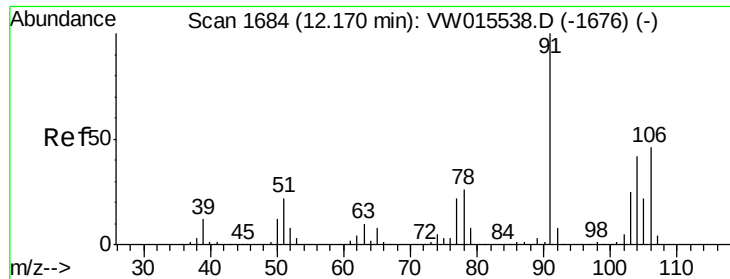
Tgt Ion: 106 Resp: 202685

Ion Ratio Lower Upper

106 100

91 204.1 142.6 264.8

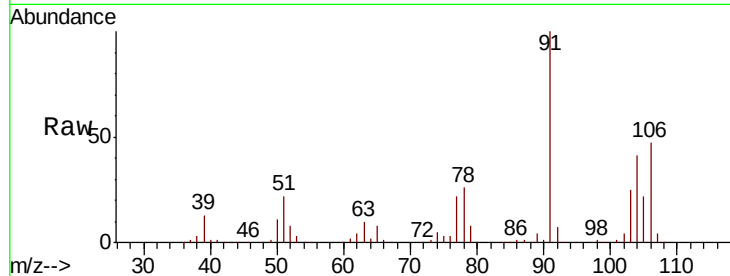




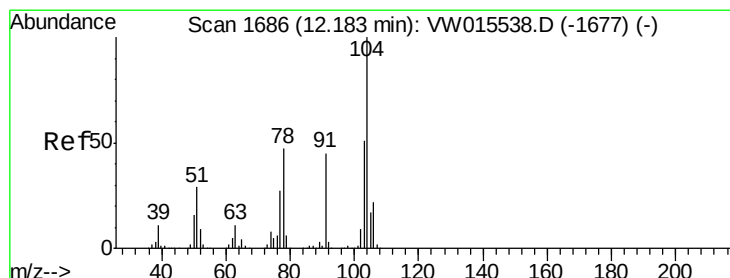
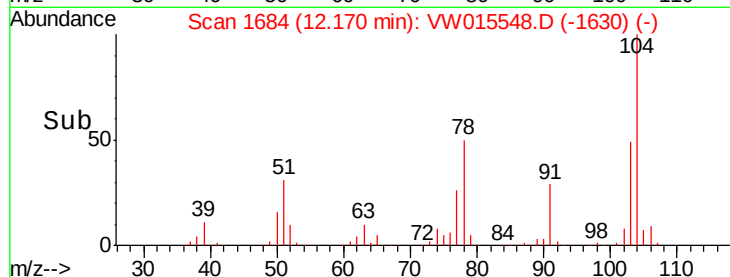
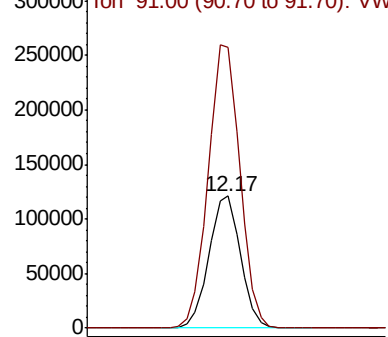
#55
o-xylene
Concen: 26.970 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW015548.D
Acq: 05 Jun 2020 17:56

Instrument :
MSVOA_W
ClientSampled :
VSTD02522

Tot Ion:106 Resp: 195087
Ion Ratio Lower Upper
106 100
91 213.1 149.0 276.6

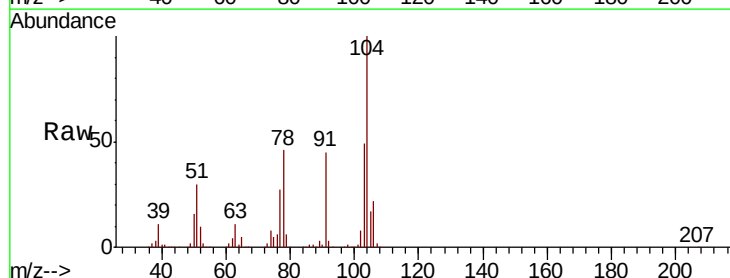


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

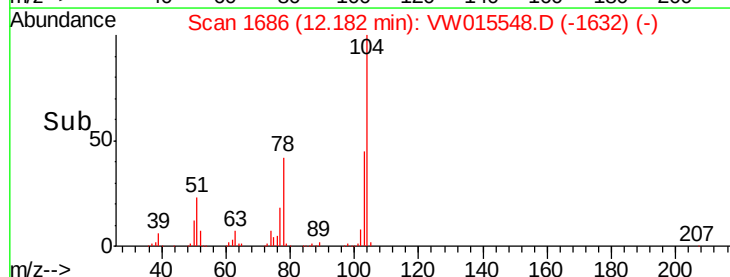
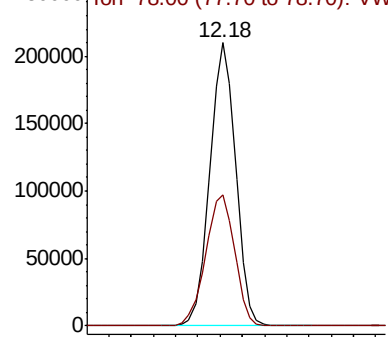


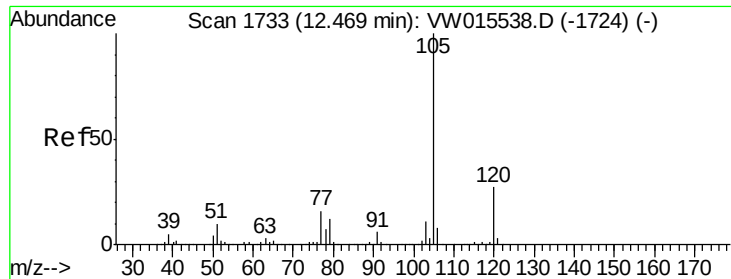
#56
Styrene
Concen: 27.263 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW015548.D
Acq: 05 Jun 2020 17:56

Tgt Ion:104 Resp: 336966
Ion Ratio Lower Upper
104 100
78 46.4 32.9 61.1



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





#57

Isopropylbenzene

Concen: 26.702 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW015548.D

Acq: 05 Jun 2020 17:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD02522

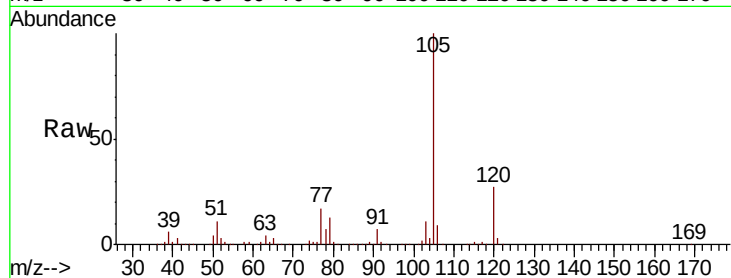
Tot Ion:105 Resp: 538050

Ion Ratio Lower Upper

105 100

120 26.4 21.0 31.4

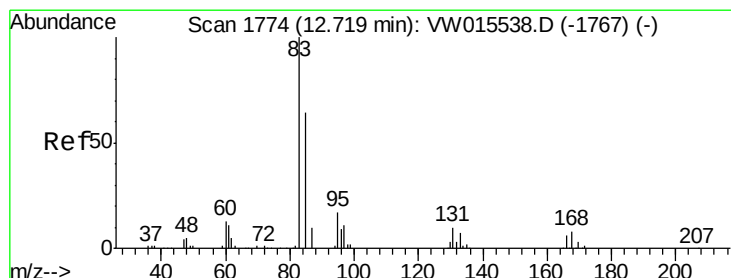
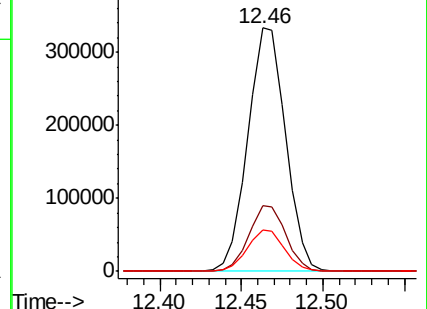
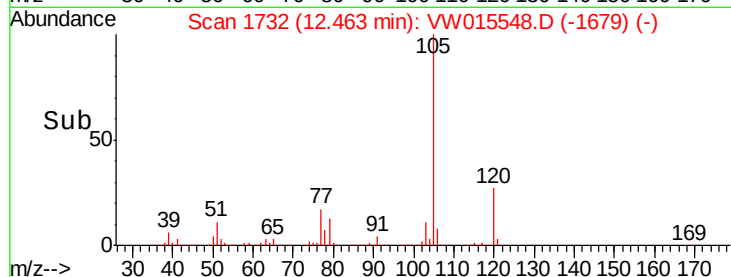
77 16.6 13.0 19.6



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: 31.058 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW015548.D

Acq: 05 Jun 2020 17:56

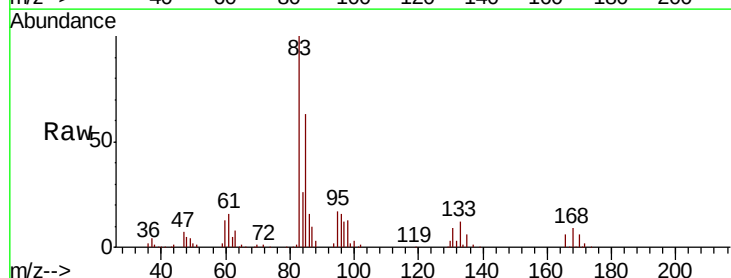
Tgt Ion: 83 Resp: 100563

Ion Ratio Lower Upper

83 100

85 63.1 44.7 82.9

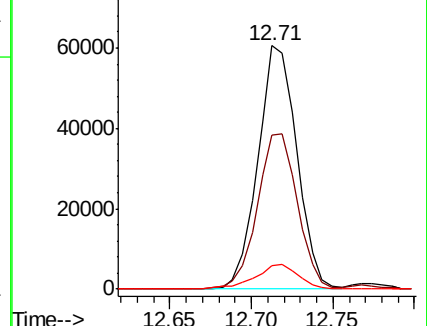
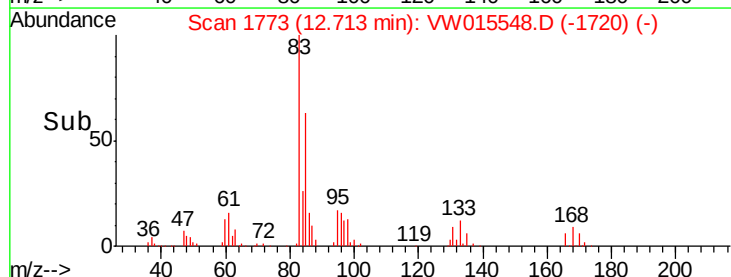
131 9.4 9.1 13.7

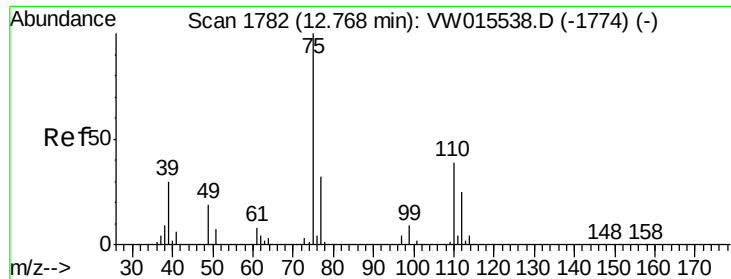


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 30.647 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW015548.D

Acq: 05 Jun 2020 17:56

Instrument :

MSVOA_W

ClientSampleId :

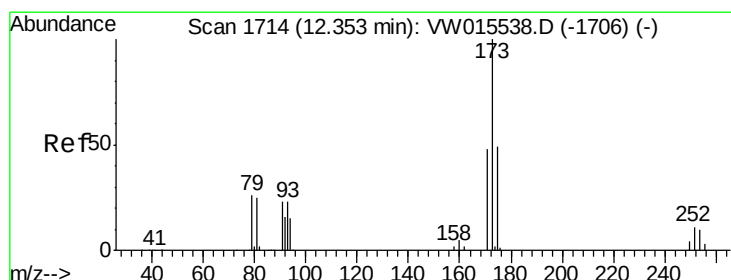
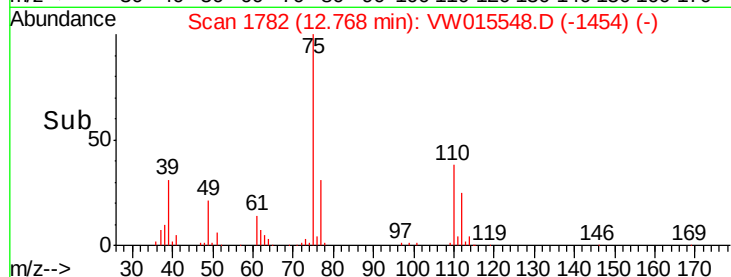
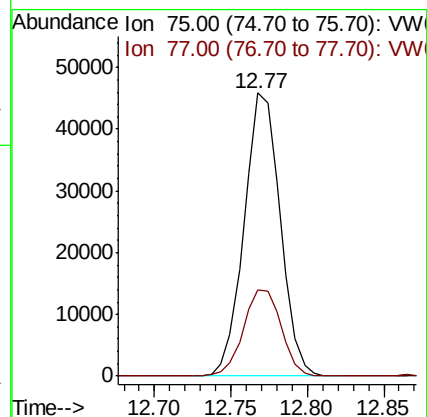
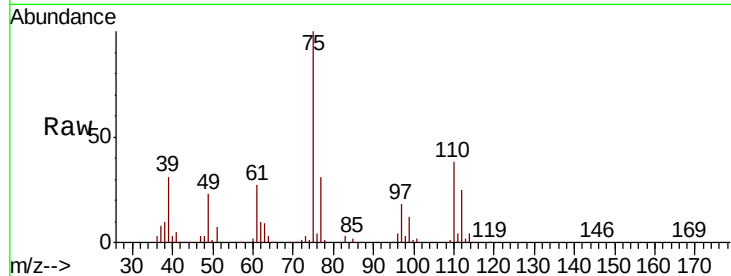
VSTD02522

Tot Ion: 75 Resp: 75243

Ion Ratio Lower Upper

75 100

77 32.2 25.9 38.9



#62

Bromoform

Concen: 26.811 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW015548.D

Acq: 05 Jun 2020 17:56

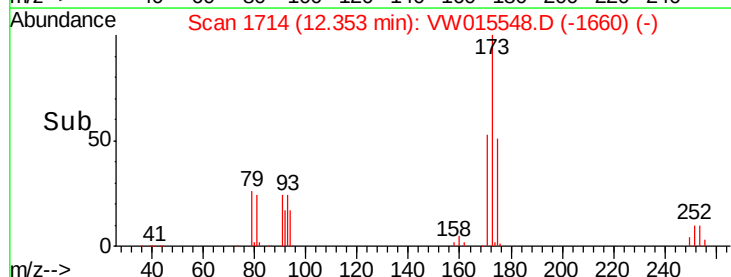
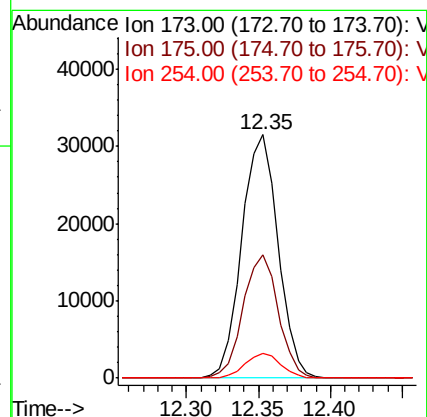
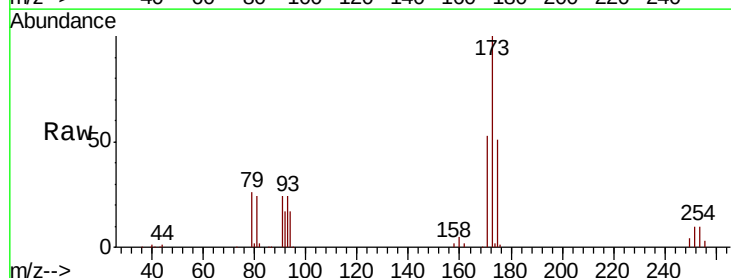
Tgt Ion: 173 Resp: 55080

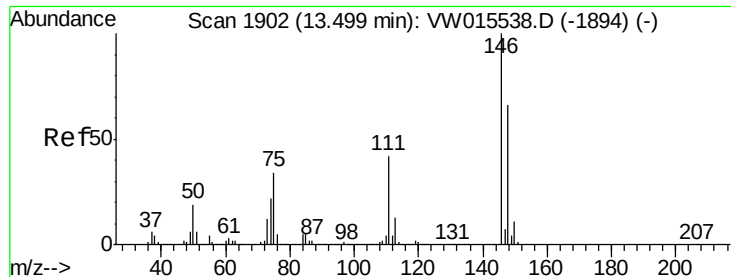
Ion Ratio Lower Upper

173 100

175 49.0 37.9 56.9

254 10.1 6.8 10.2

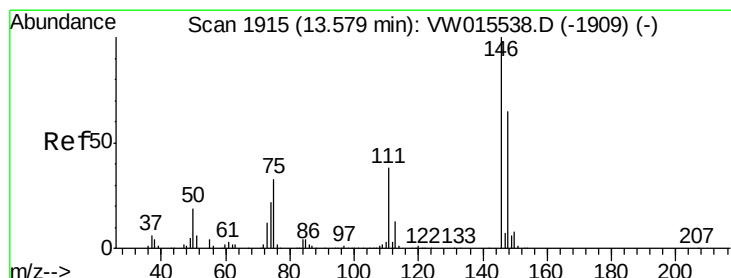
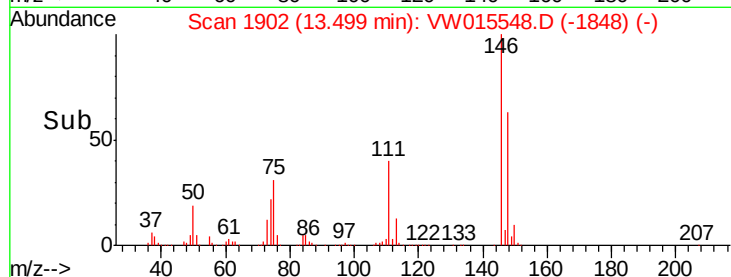
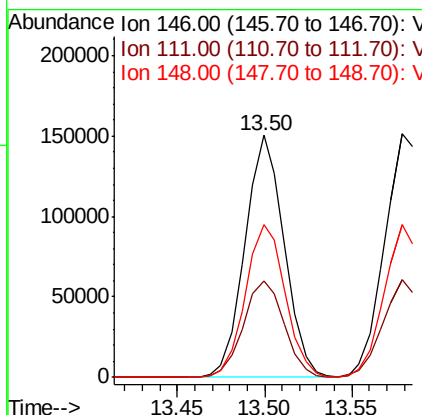
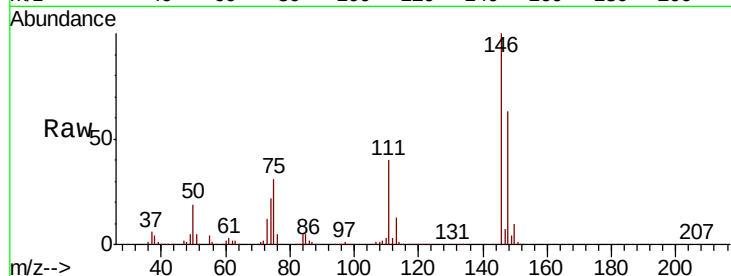




#63
 1,3-Dichlorobenzene
 Concen: 26.080 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW015548.D
 Acq: 05 Jun 2020 17:56

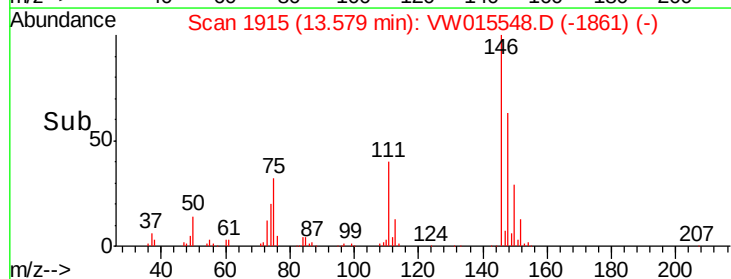
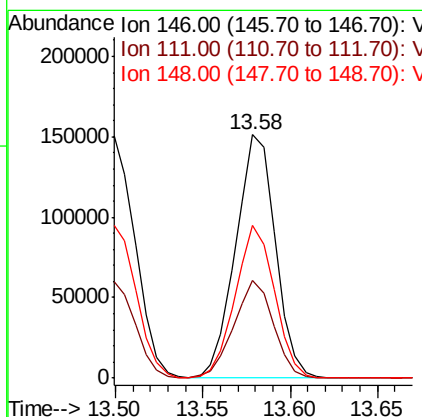
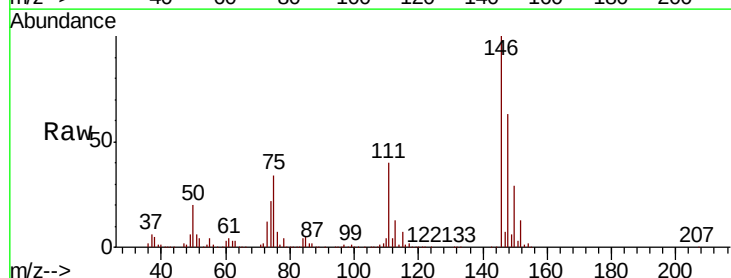
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02522

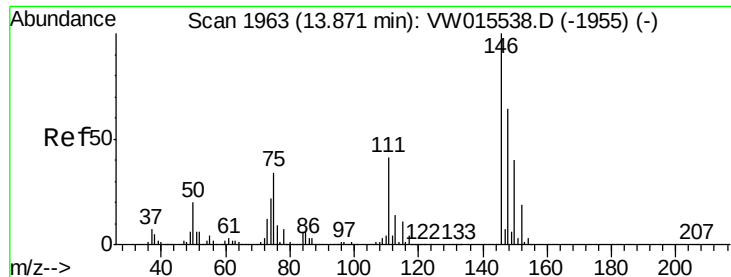
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	29.3	54.5
148	63.1	42.5	78.9



#64
 1,4-Dichlorobenzene
 Concen: 27.096 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW015548.D
 Acq: 05 Jun 2020 17:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	28.1	52.1
148	62.5	43.3	80.3





#65

1,2-Dichlorobenzene

Concen: 27.611 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW015548.D

Acq: 05 Jun 2020 17:56

Instrument :

MSVOA_W

ClientSampled :

VSTD02522

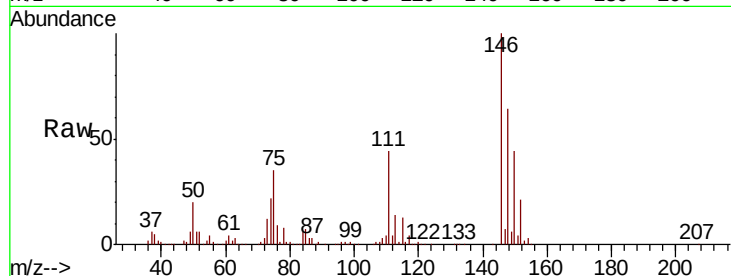
Tot Ion:146 Resp: 216484

Ion Ratio Lower Upper

146 100

111 43.7 34.9 52.3

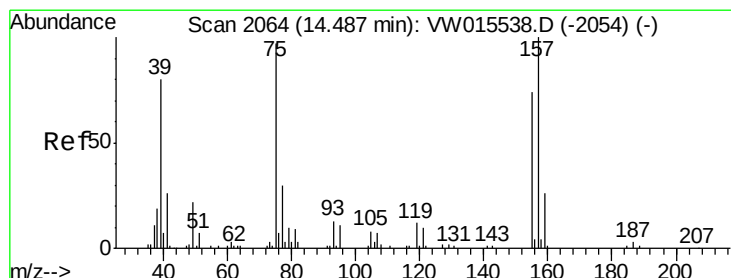
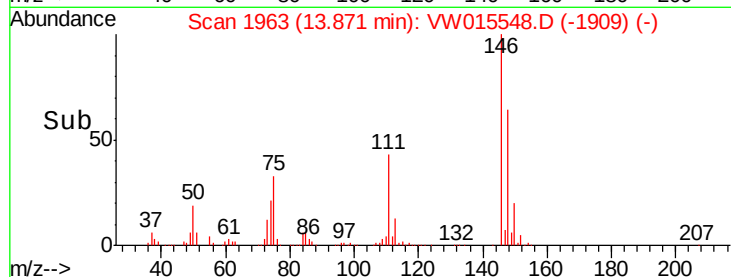
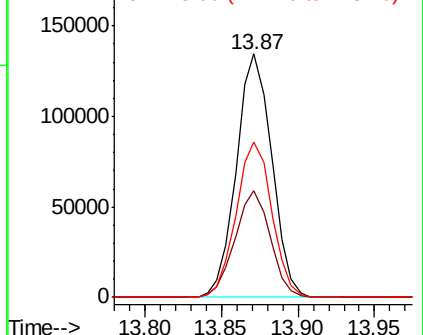
148 63.9 51.8 77.8



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: 28.837 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW015548.D

Acq: 05 Jun 2020 17:56

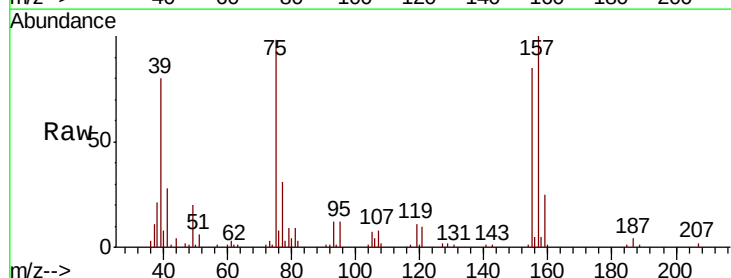
Tgt Ion: 75 Resp: 17152

Ion Ratio Lower Upper

75 100

157 102.4 87.4 131.0

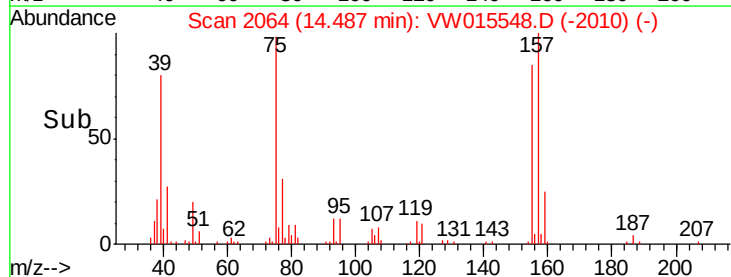
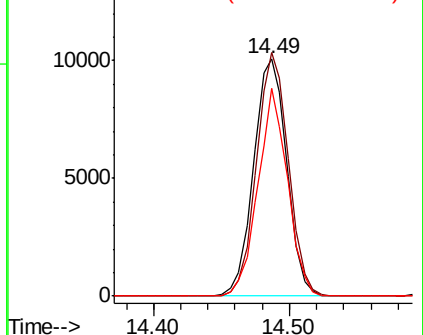
155 87.5 64.6 96.8

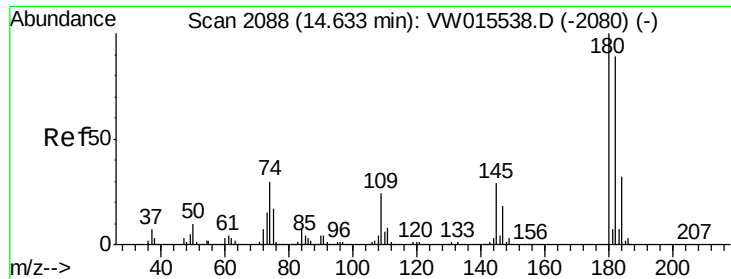


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V





#67

1,3,5-Trichlorobenzene

Concen: 27.813 ug/L

RT: 14.63 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VW015548.D

Acq: 05 Jun 2020 17:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD02522

Tot Ion:180 Resp: 173735

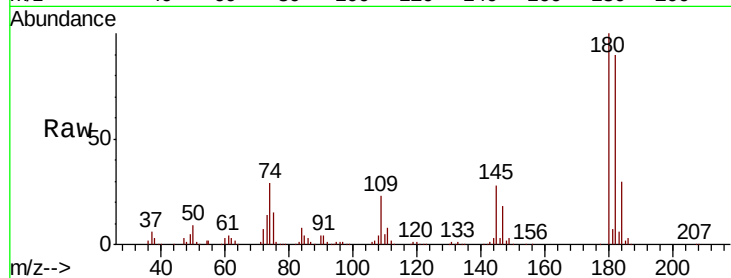
Ion Ratio Lower Upper

180 100

182 95.0 76.6 114.8

184 30.2 24.4 36.6

145 29.7 24.0 36.0

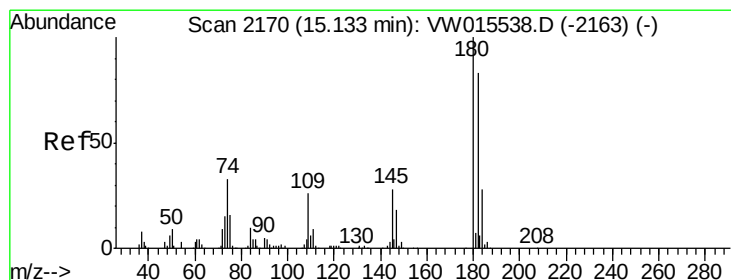
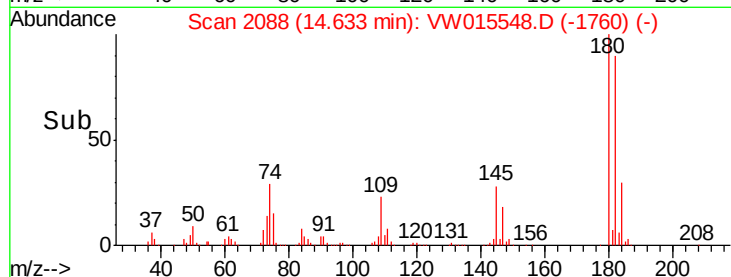
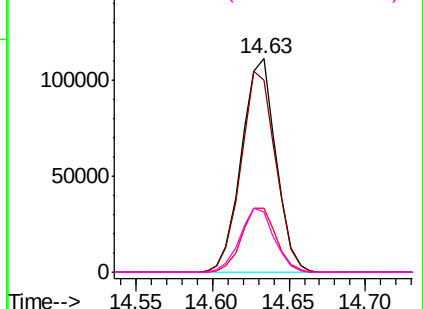


Abundance Ion 180.00 (179.70 to 180.70): V

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: 28.031 ug/L

RT: 15.13 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VW015548.D

Acq: 05 Jun 2020 17:56

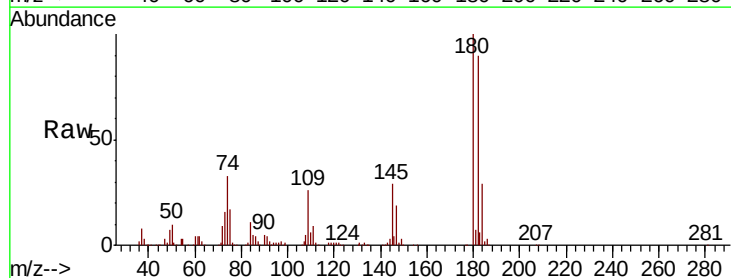
Tgt Ion:180 Resp: 141027

Ion Ratio Lower Upper

180 100

182 96.1 76.1 114.1

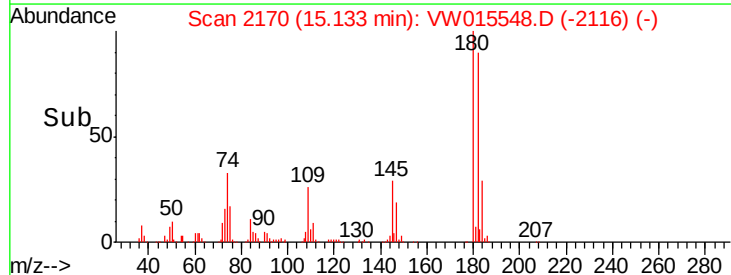
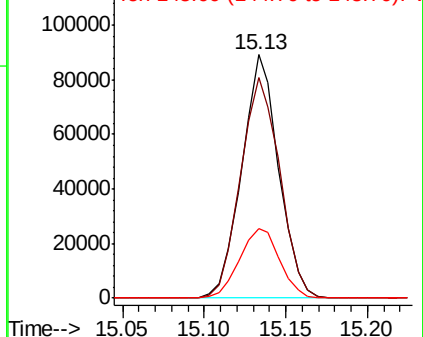
145 31.1 25.2 37.8

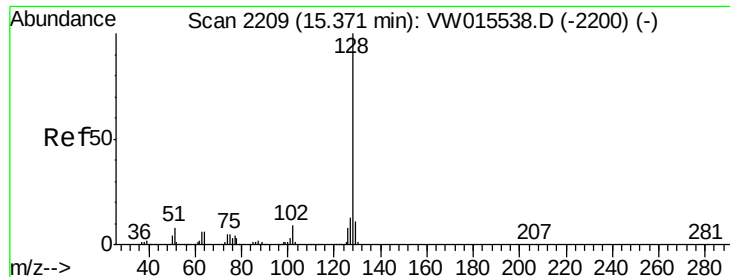


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 31.895 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW015548.D

Acq: 05 Jun 2020 17:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD02522

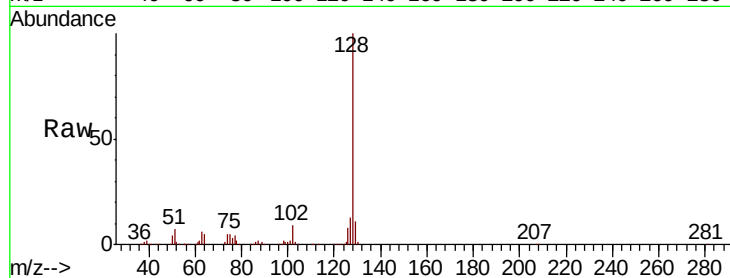
Tot Ion:128 Resp: 291367

Ion Ratio Lower Upper

128 100

129 10.8 8.6 12.8

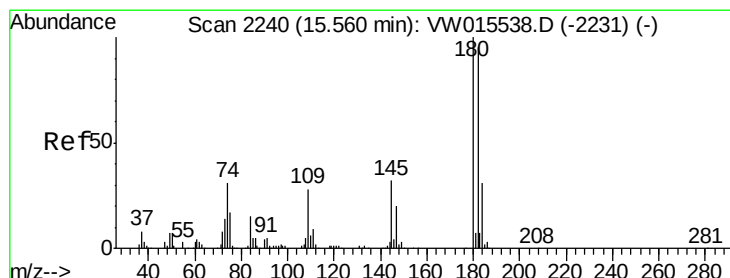
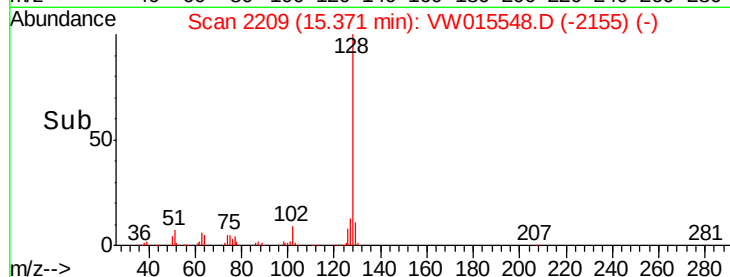
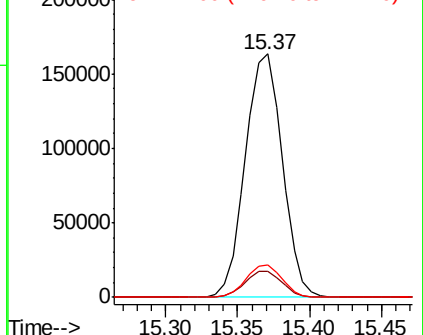
127 13.0 10.6 15.8



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: 29.990 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW015548.D

Acq: 05 Jun 2020 17:56

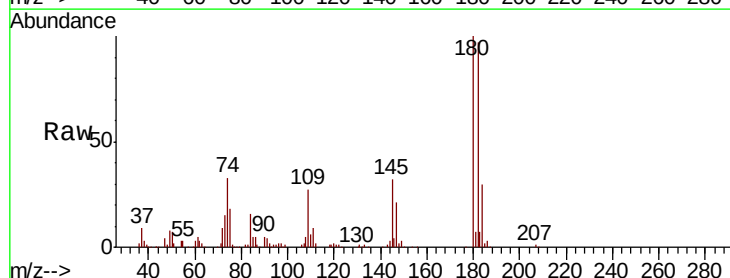
Tgt Ion:180 Resp: 128363

Ion Ratio Lower Upper

180 100

182 96.3 75.4 113.2

145 32.2 26.7 40.1



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

