

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081120\
 Data File : VW016143.D
 Acq On : 11 Aug 2020 17:59
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

Quant Time: Aug 11 18:40:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM081020S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 11 16:06:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	403783	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	379952	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	181983	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	111328	22.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.96%
7) Chloroethane-d5	2.89	69	84623	22.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.08%
10) 1,1-Dichloroethene-d2	4.02	63	251380	23.64	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.56%
20) 2-Butanone-d5	7.09	46	73527	55.82	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.64%
24) Chloroform-d	7.65	84	258561	23.86	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.44%
26) 1,2-Dichloroethane-d4	8.30	65	137055	23.81	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.24%
29) Benzene-d6	8.27	84	497621	24.08	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.32%
33) 1,2-Dichloropropane-d6	9.27	67	143103	23.54	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.16%
37) Toluene-d8	10.32	98	458017	24.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.64%
38) trans-1,3-Dichloropropene-	10.58	79	67398	24.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.68%
39) 2-Hexanone-d5	10.93	63	60610	57.80	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	115.60%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	133510	26.98	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	107.92%
61) 1,2-Dichlorobenzene-d4	13.86	152	155746	24.14	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.56%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	115402	28.291	ug/L 97
3) Chloromethane	2.21	50	98237	24.251	ug/L 95
5) Vinyl chloride	2.37	62	131779	24.512	ug/L 99
6) Bromomethane	2.78	94	80281	23.843	ug/L 99
8) Chloroethane	2.93	64	73477	24.271	ug/L 96
9) Trichlorofluoromethane	3.26	101	98596	25.693	ug/L 97
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	137674	25.386	ug/L 99
12) 1,1-Dichloroethene	4.04	96	131014	25.280	ug/L 95
13) Acetone	4.13	43	53583	53.770	ug/L 96
14) Carbon disulfide	4.37	76	410178	25.215	ug/L 99
15) Methyl Acetate	4.67	43	63358	27.040	ug/L 97
16) Methylene chloride	4.92	84	183533	28.786	ug/L 97
17) Methyl tert-butyl Ether	5.43	73	183443	24.979	ug/L 99
18) trans-1,2-Dichloroethene	5.42	96	136012	24.950	ug/L 94
19) 1,1-Dichloroethane	6.21	63	231139	23.964	ug/L 96
21) 2-Butanone	7.18	43	82501	52.237	ug/L 99
22) cis-1,2-Dichloroethene	7.17	96	141239	24.560	ug/L 98

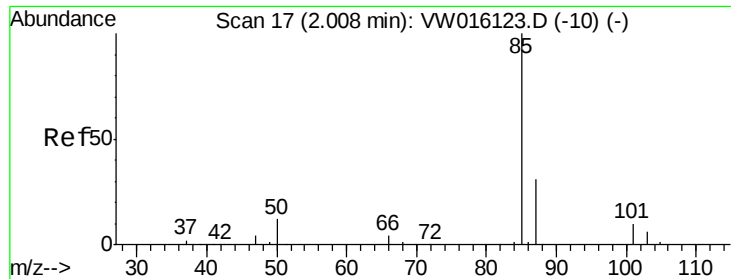
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081120\
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 Quant Title : VOC Analysis
 QLast Update : Tue Aug 11 16:06:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	66525	25.205	ug/L	97
25) Chloroform	7.68	83	245987	23.972	ug/L	99
27) 1,2-Dichloroethane	8.40	62	163816	23.966	ug/L	99
30) Cyclohexane	7.96	56	212868	25.749	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	208641	23.897	ug/L	99
32) Carbon tetrachloride	8.07	117	199776	24.193	ug/L	98
34) Benzene	8.32	78	539787	24.636	ug/L	100
35) Trichloroethene	9.09	95	141818	24.071	ug/L	97
36) Methylcyclohexane	9.34	83	250668	25.827	ug/L	99
40) 1,2-Dichloropropane	9.37	63	132478	24.621	ug/L	100
41) Bromodichloromethane	9.65	83	178167	24.104	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	206012	25.140	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	175043	54.087	ug/L	99
44) Toluene	10.39	91	591404	25.570	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	187284	25.442	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	106436	25.130	ug/L	98
47) Tetrachloroethene	10.87	164	107215	24.275	ug/L	93
49) 2-Hexanone	10.97	43	124748	57.125	ug/L	99
50) Dibromochloromethane	11.13	129	126476	25.354	ug/L	100
51) 1,2-Dibromoethane	11.24	107	105495	26.273	ug/L	98
52) Chlorobenzene	11.66	112	378997	24.765	ug/L	96
53) Ethylbenzene	11.73	91	667665	25.443	ug/L	99
54) m,p-Xylene	11.84	106	254853	25.817	ug/L	94
55) o-xylene	12.17	106	235608	25.339	ug/L	96
56) Styrene	12.18	104	419562	26.063	ug/L	100
57) Isopropylbenzene	12.46	105	649125	25.893	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	131775	26.665	ug/L	94
59) 1,2,3-Trichloropropane	12.77	75	98864	26.407	ug/L	100
62) Bromoform	12.35	173	68338	24.833	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	287853	25.043	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	280897	23.989	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	258101	24.491	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.49	75	22690	24.554	ug/L	93
67) 1,3,5-Trichlorobenzene	14.63	180	184392	25.424	ug/L	98
68) 1,2,4-trichlorobenzene	15.14	180	148498	25.262	ug/L	98
69) Naphthalene	15.37	128	344442	27.760	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	135922	25.452	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 28.291 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW016143.D

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Instrument :

MSVOA_W

ClientSampleId :

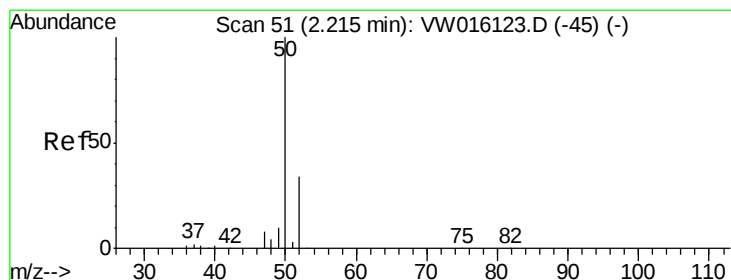
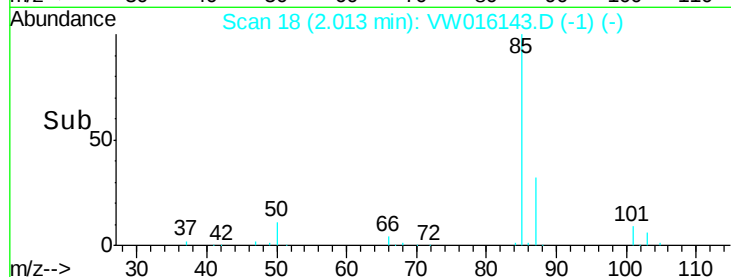
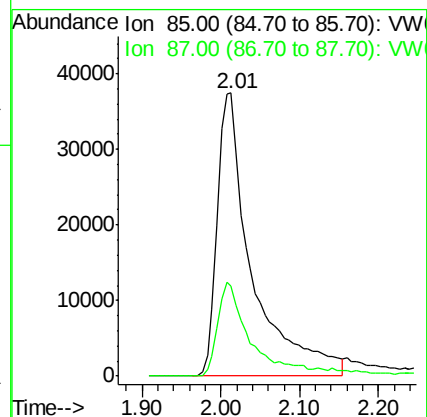
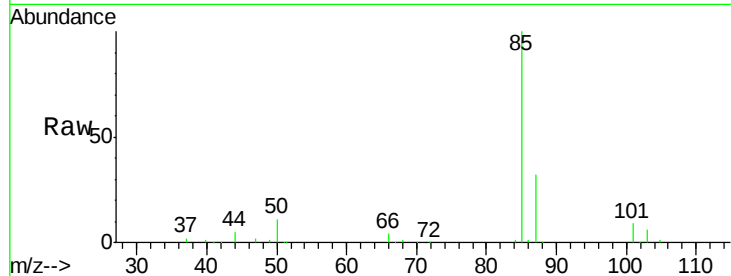
VSTD02510

Tgt Ion: 85 Resp: 115402

Ion Ratio Lower Upper

85 100

87 29.6 22.0 41.0



#3

Chloromethane

Concen: 24.251 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW016143.D

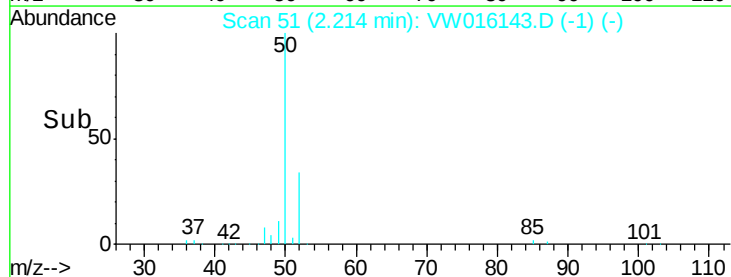
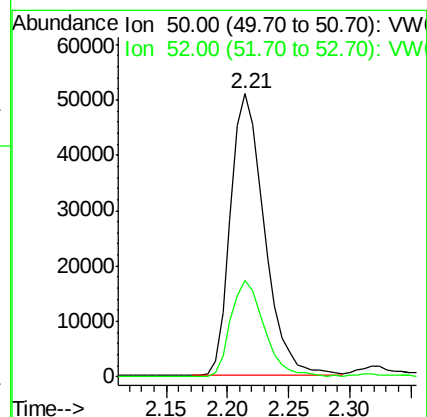
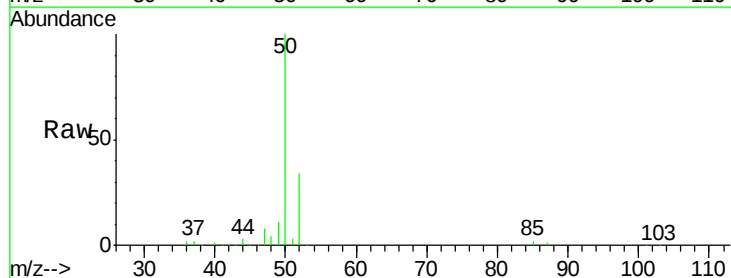
Acq: 11 Aug 2020 17:59

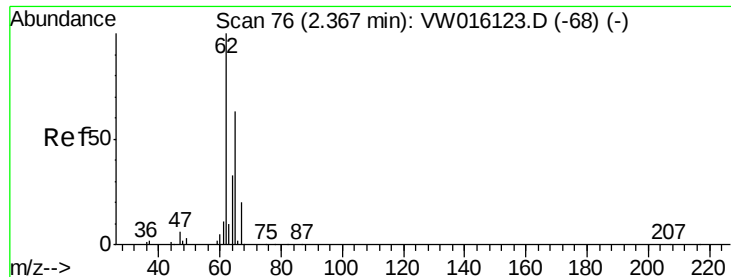
Tgt Ion: 50 Resp: 98237

Ion Ratio Lower Upper

50 100

52 34.2 22.0 40.8





#5

Vinyl chloride

Concen: 24.512 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW016143.D

Acq: 11 Aug 2020 17:59

Instrument :

MSVOA_W

ClientSampleId :

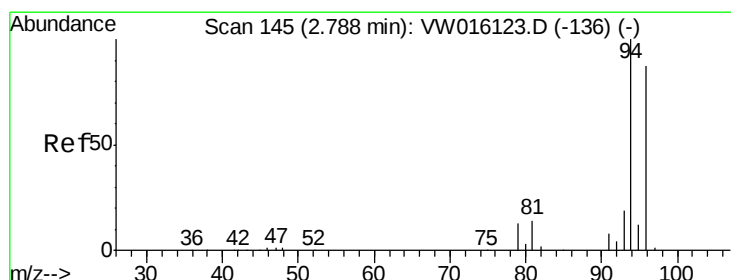
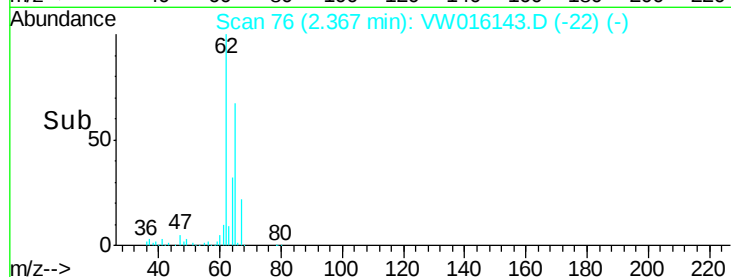
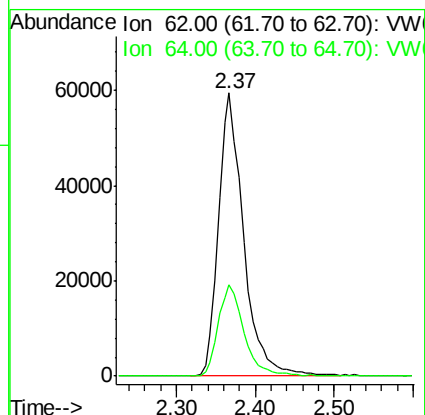
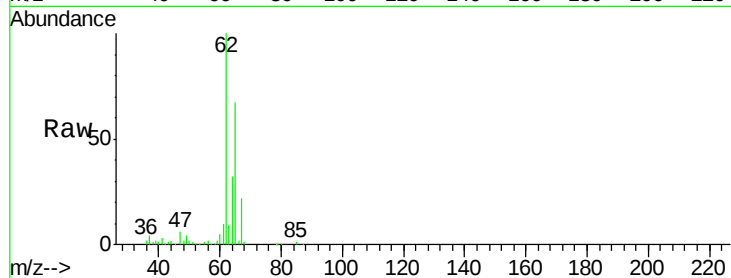
VSTD02510

Tgt Ion: 62 Resp: 131779

Ion Ratio Lower Upper

62 100

64 32.3 23.0 42.8



#6

Bromomethane

Concen: 23.843 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW016143.D

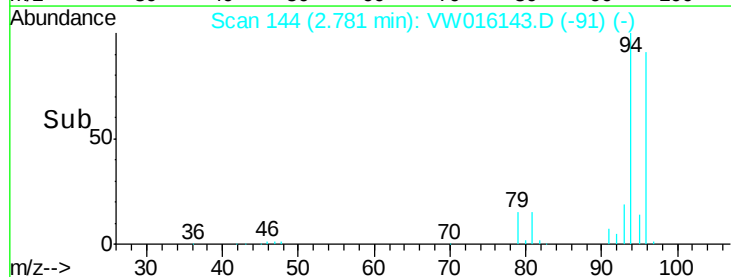
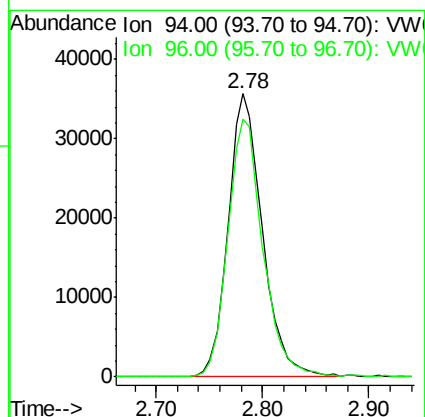
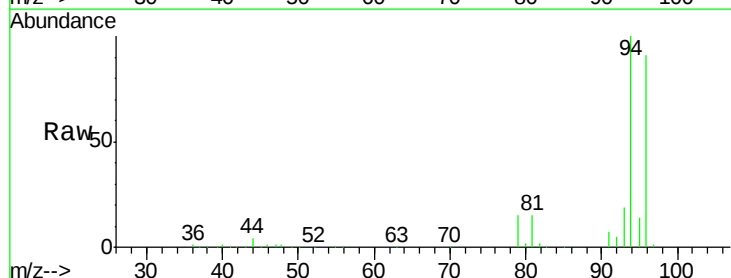
Acq: 11 Aug 2020 17:59

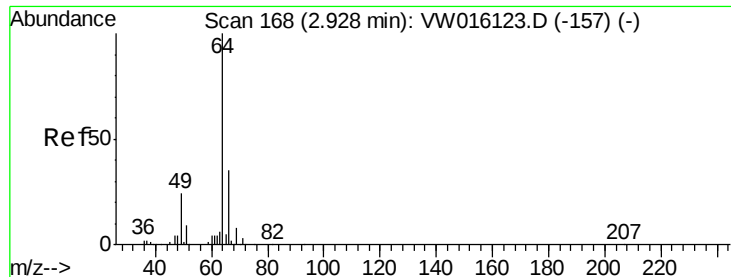
Tgt Ion: 94 Resp: 80281

Ion Ratio Lower Upper

94 100

96 93.2 9.4 178.2





#8

Chloroethane

Concen: 24.271 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW016143.D

Acq: 11 Aug 2020 17:59

Instrument :

MSVOA_W

ClientSampleId :

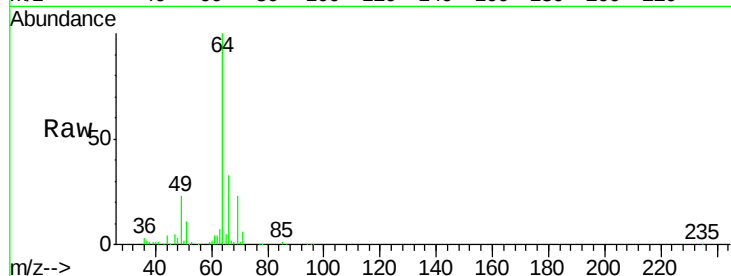
VSTD02510

Tgt Ion: 64 Resp: 73477

Ion Ratio Lower Upper

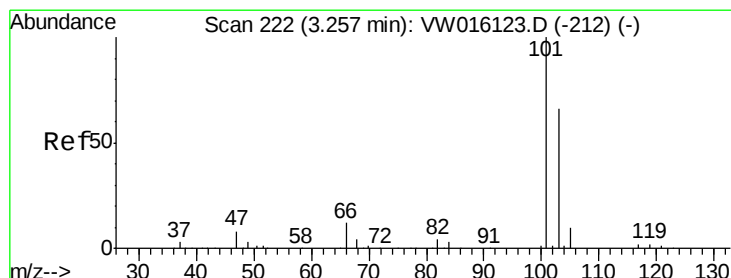
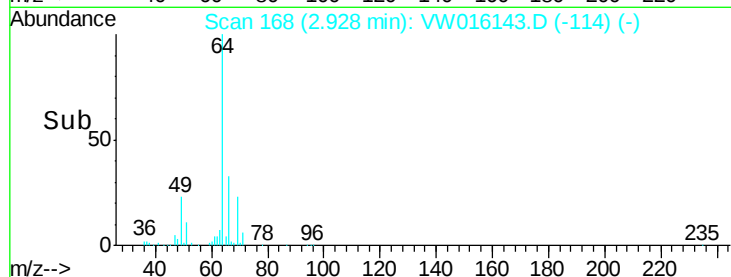
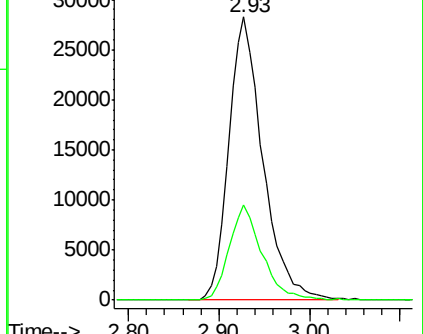
64 100

66 33.5 21.8 40.4



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW



#9

Trichlorofluoromethane

Concen: 25.693 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.00 min

Lab File: VW016143.D

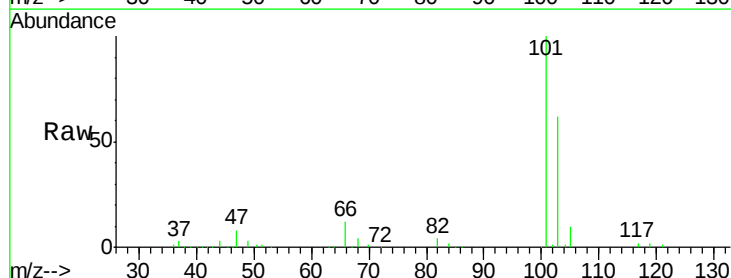
Acq: 11 Aug 2020 17:59

Tgt Ion: 101 Resp: 98596

Ion Ratio Lower Upper

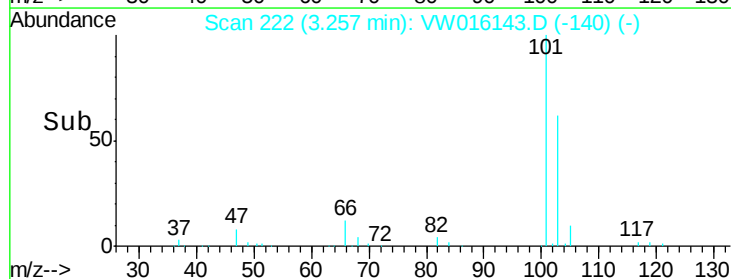
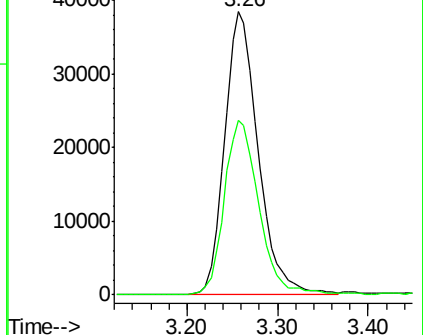
101 100

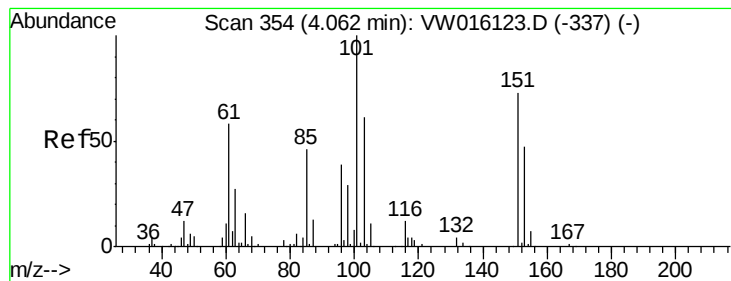
103 62.8 45.6 84.6



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: 25.386 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW016143.D

Acq: 11 Aug 2020 17:59

Instrument :

MSVOA_W

ClientSampleId :

VSTD02510

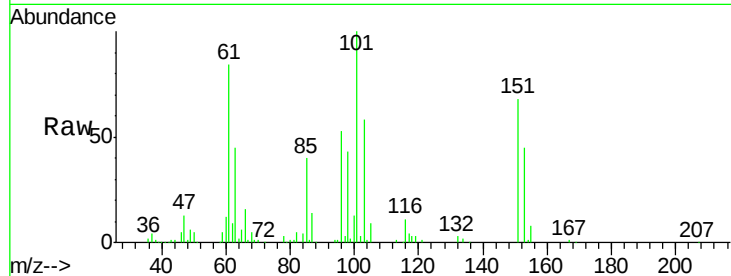
Tgt Ion: 101 Resp: 137674

Ion Ratio Lower Upper

101 100

85 41.3 34.2 51.4

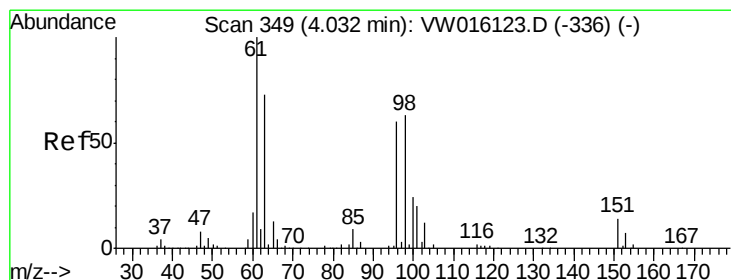
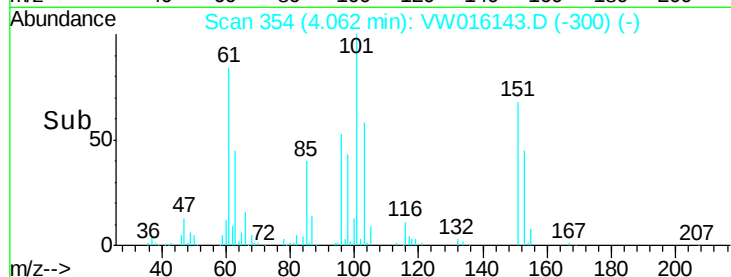
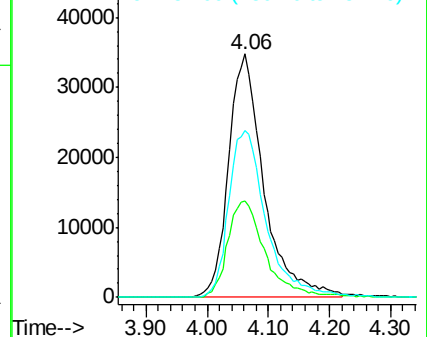
151 72.2 57.4 86.2



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: 25.280 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.01 min

Lab File: VW016143.D

Acq: 11 Aug 2020 17:59

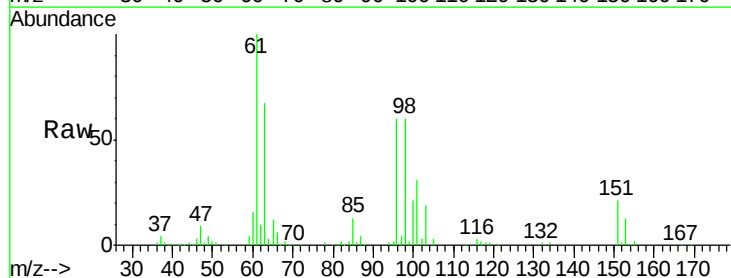
Tgt Ion: 96 Resp: 131014

Ion Ratio Lower Upper

96 100

61 168.1 120.2 223.2

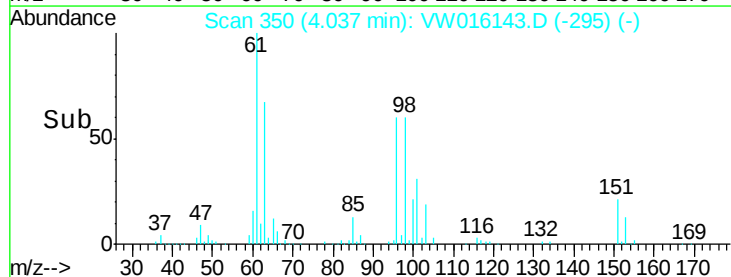
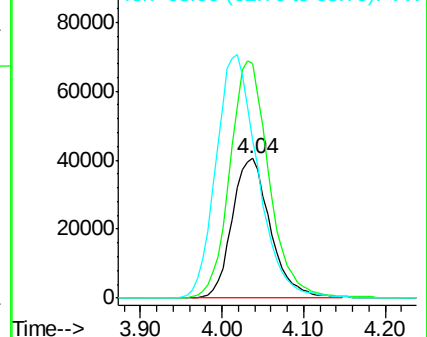
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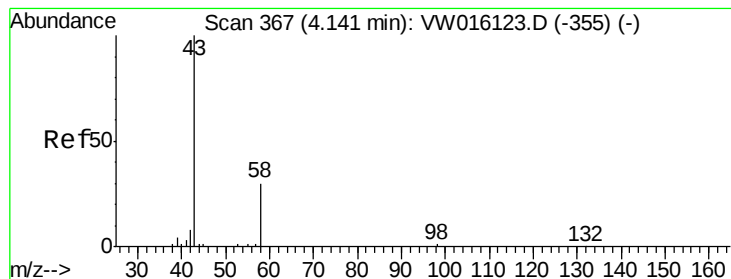


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 53.770 ug/L

RT: 4.13 min Scan# 366

Delta R.T. -0.01 min

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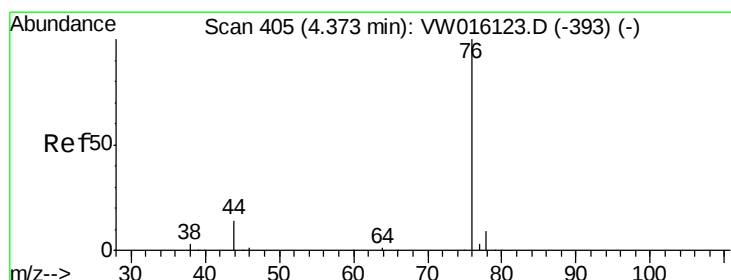
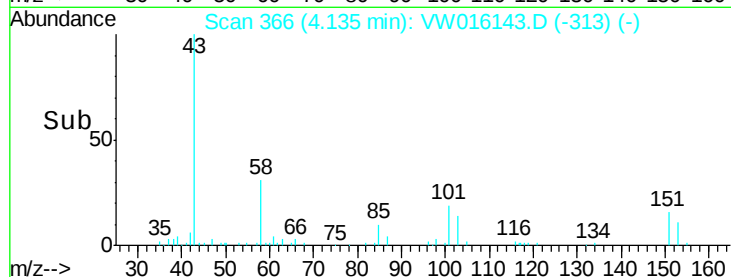
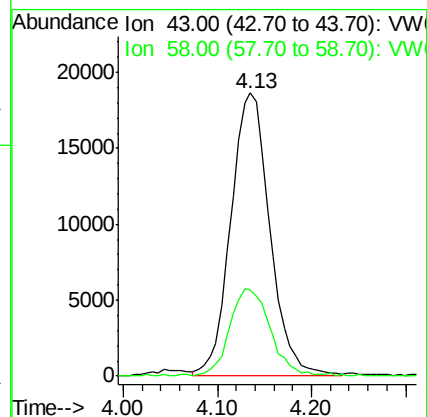
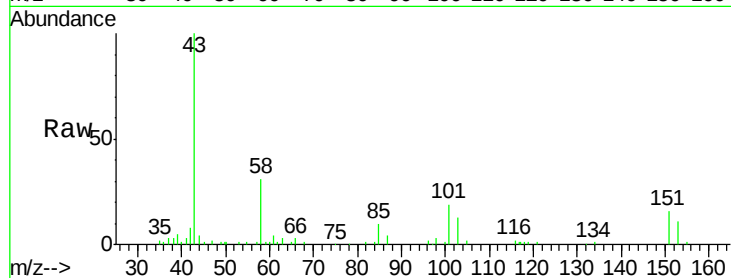
VSTD02510

Tgt Ion: 43 Resp: 53583

Ion Ratio Lower Upper

43 100

58 32.1 0.0 59.4



#14

Carbon disulfide

Concen: 25.215 ug/L

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW016143.D

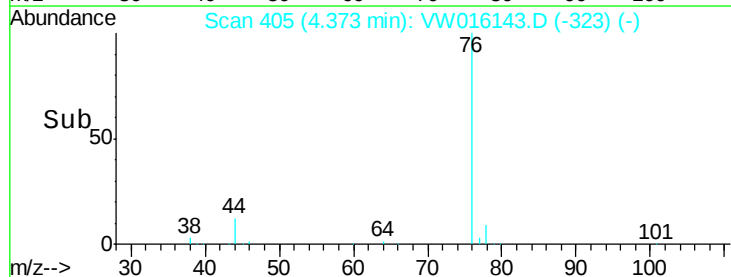
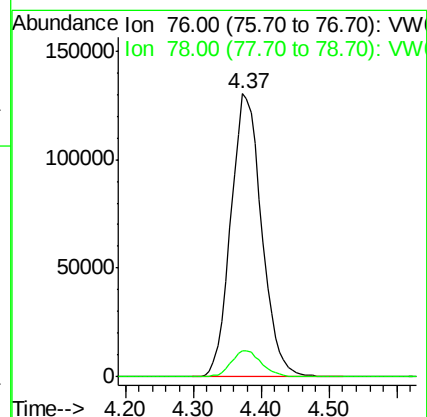
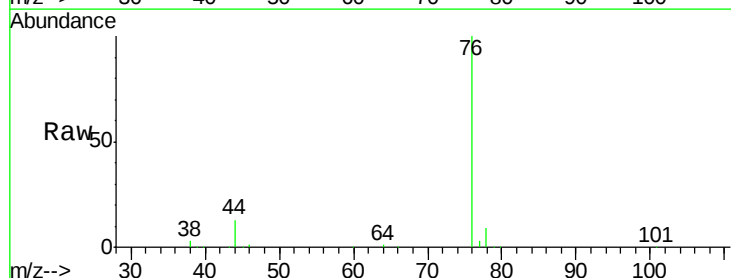
Acq: 11 Aug 2020 17:59

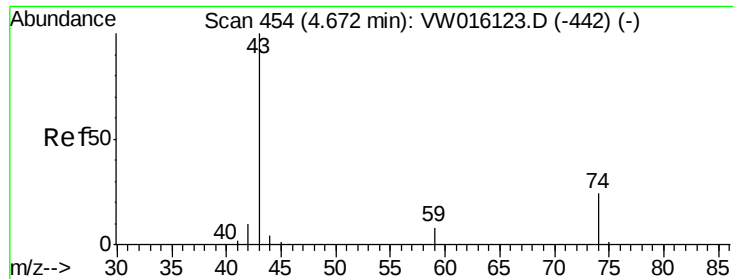
Tgt Ion: 76 Resp: 410178

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.4

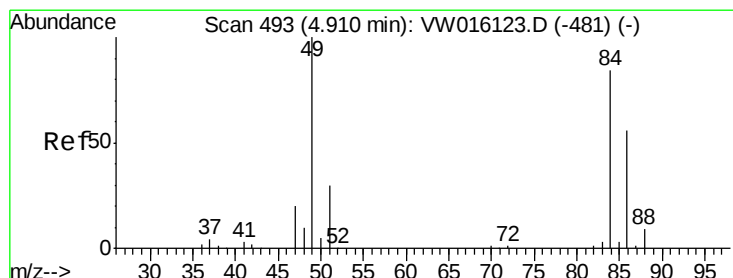
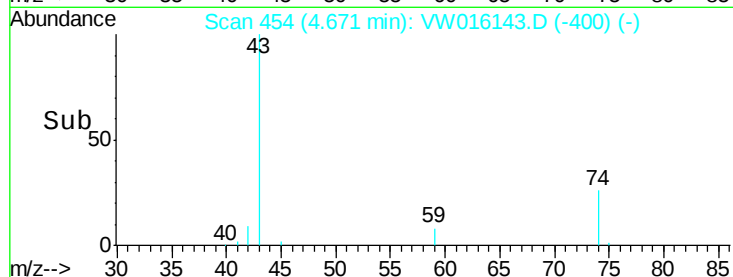
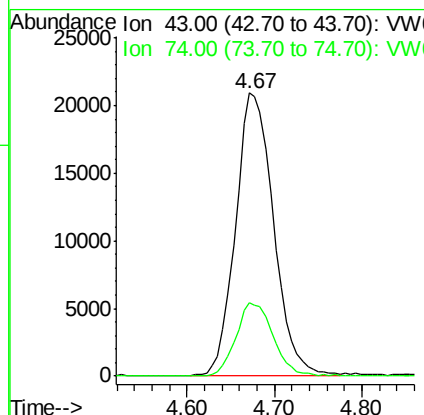
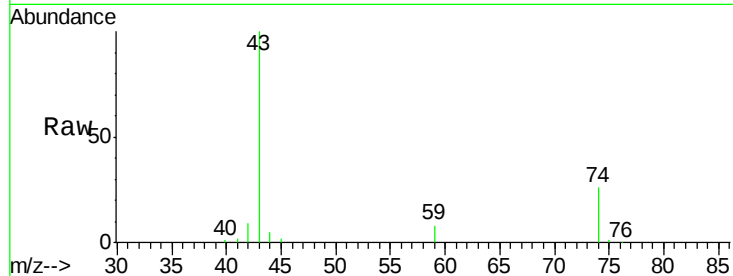




#15
Methyl Acetate
Concen: 27.040 ug/L
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW016143.D
Acq: 11 Aug 2020 17:59

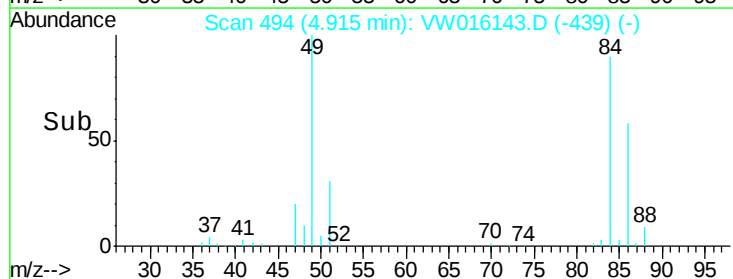
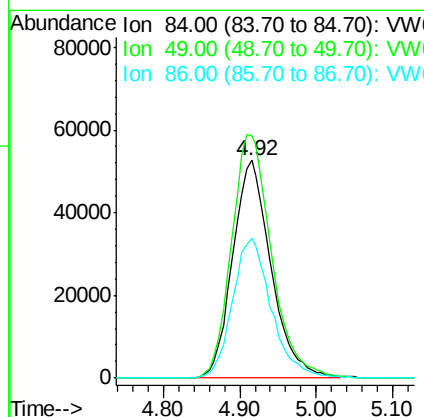
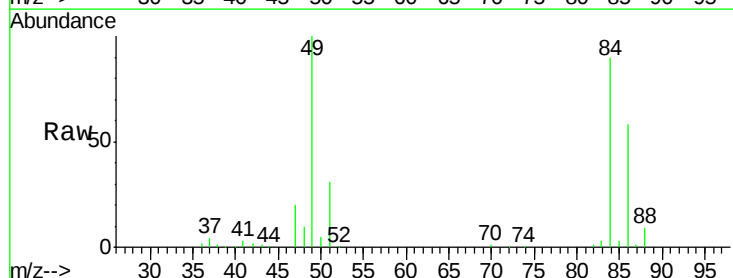
Instrument :
MSVOA_W
ClientSampleId :
VSTD02510

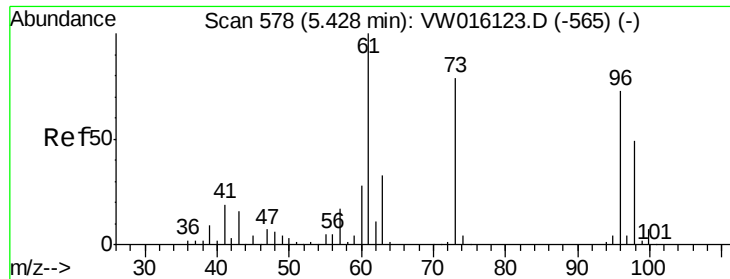
Tgt Ion: 43 Resp: 63358
Ion Ratio Lower Upper
43 100
74 25.3 18.9 28.3



#16
Methylene chloride
Concen: 28.786 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW016143.D
Acq: 11 Aug 2020 17:59

Tgt Ion: 84 Resp: 183533
Ion Ratio Lower Upper
84 100
49 111.4 80.4 149.4
86 64.2 43.8 81.3

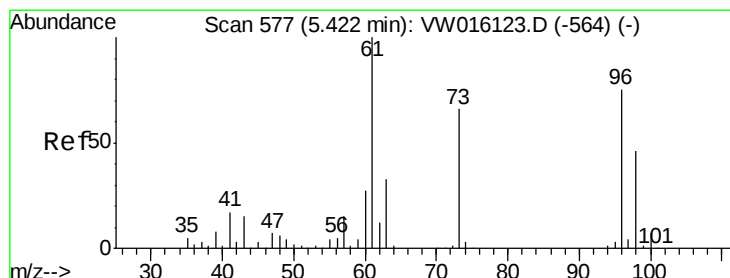
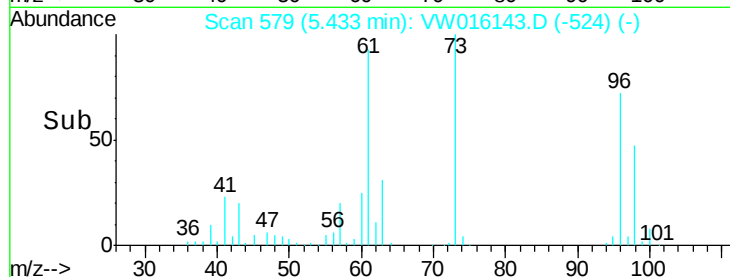
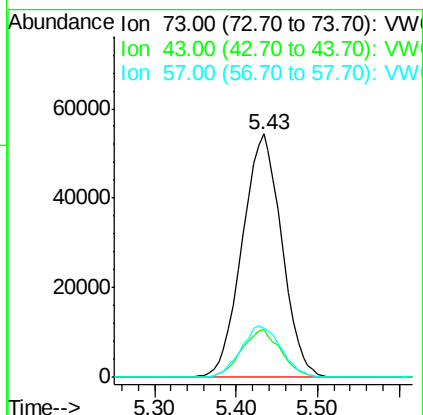
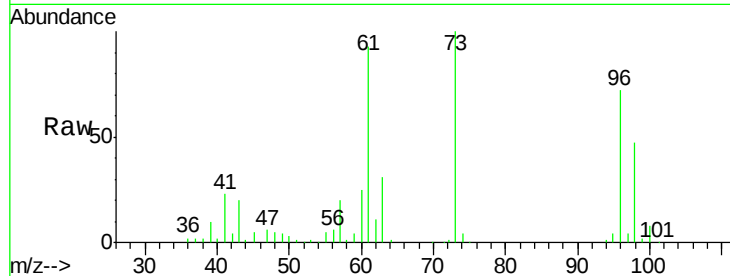




#17
Methyl tert-butyl Ether
Concen: 24.979 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW016143.D
Acq: 11 Aug 2020 17:59

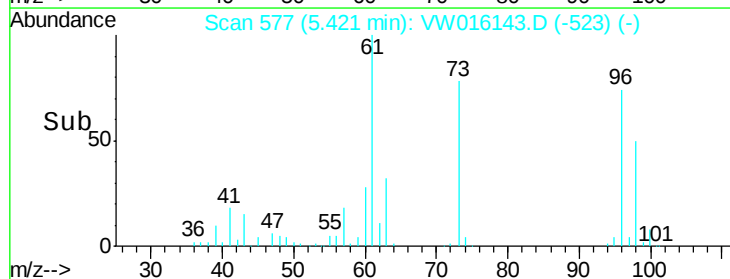
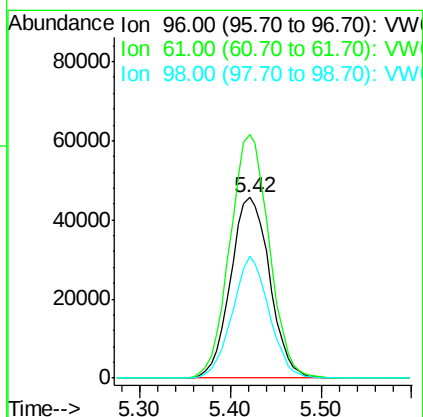
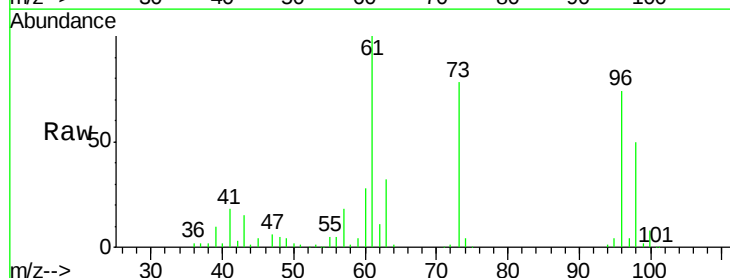
Instrument :
MSVOA_W
ClientSampleId :
VSTD02510

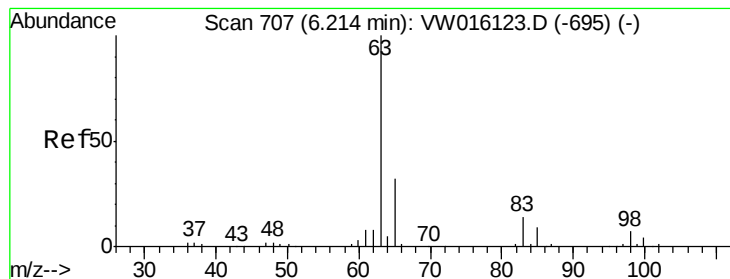
Tgt Ion: 73 Resp: 183443
Ion Ratio Lower Upper
73 100
43 19.7 16.6 24.8
57 21.7 17.1 25.7



#18
trans-1,2-Dichloroethene
Concen: 24.950 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW016143.D
Acq: 11 Aug 2020 17:59

Tgt Ion: 96 Resp: 136012
Ion Ratio Lower Upper
96 100
61 134.8 101.6 188.8
98 67.2 47.7 88.7





#19

1,1-Dichloroethane

Concen: 23.964 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW016143.D

Acq: 11 Aug 2020 17:59

Instrument :

MSVOA_W

ClientSampleId :

VSTD02510

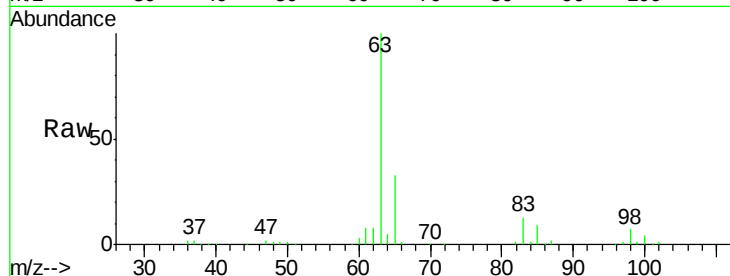
Tgt Ion: 63 Resp: 231139

Ion Ratio Lower Upper

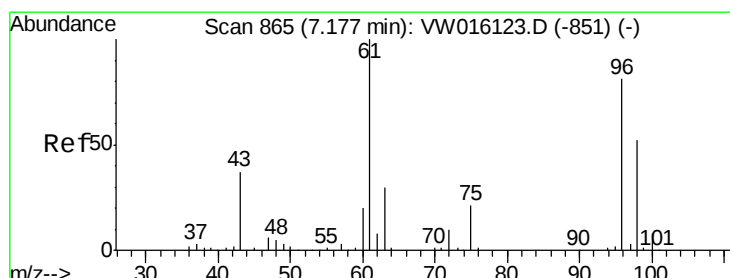
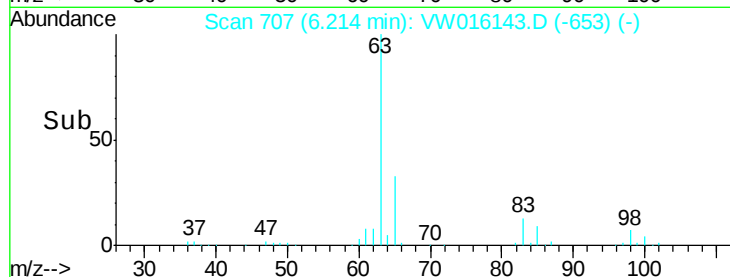
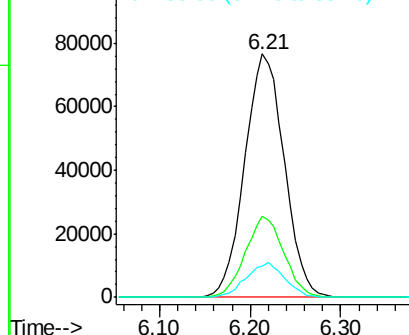
63 100

65 33.2 21.6 40.0

83 13.0 9.8 18.2



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



#21

2-Butanone

Concen: 52.237 ug/L

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW016143.D

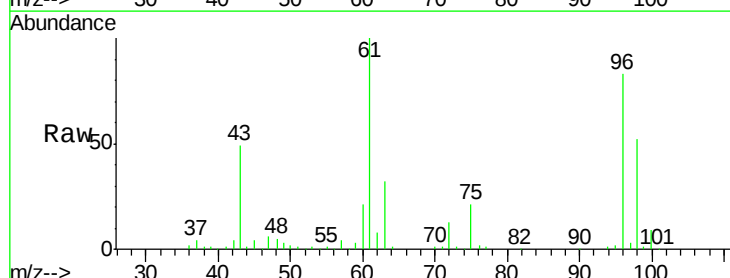
Acq: 11 Aug 2020 17:59

Tgt Ion: 43 Resp: 82501

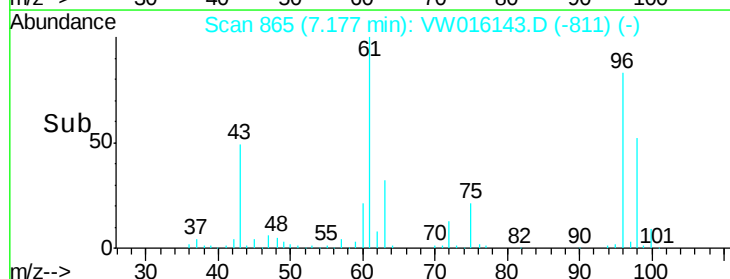
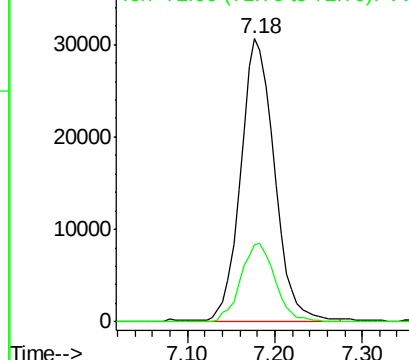
Ion Ratio Lower Upper

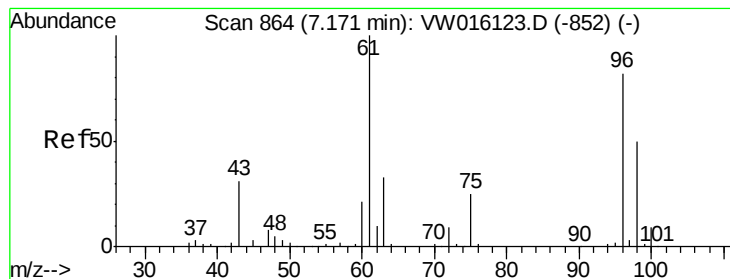
43 100

72 28.3 13.9 41.7



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW



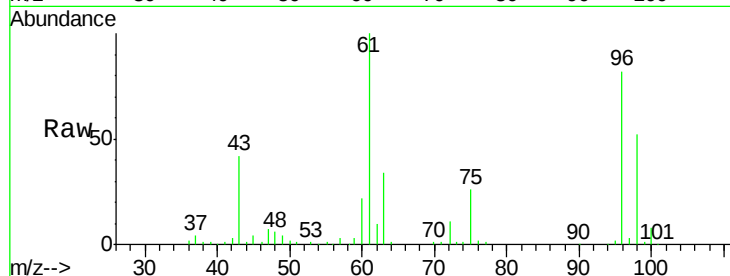


#22

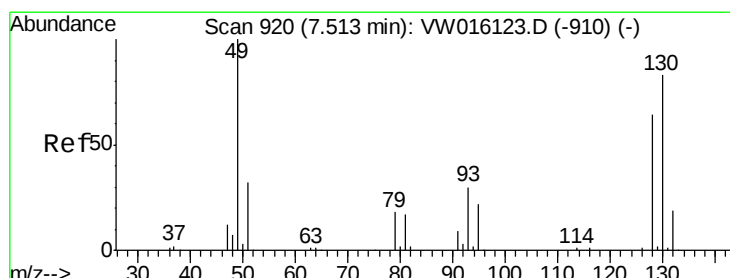
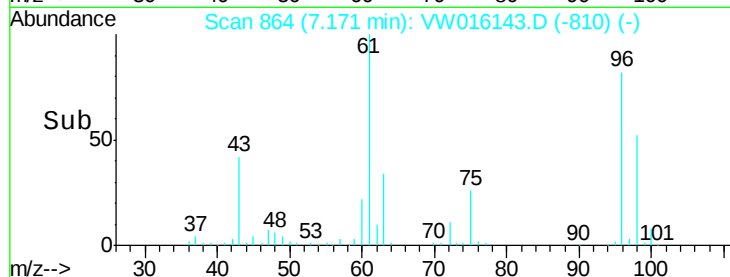
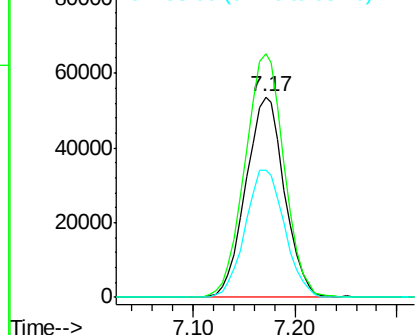
cis-1,2-Dichloroethene
 Concen: 24.560 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW016143.D
 Acq: 11 Aug 2020 17:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

Tgt Ion: 96 Resp: 141239
 Ion Ratio Lower Upper
 96 100
 61 121.5 87.0 161.6
 98 63.3 44.0 81.6



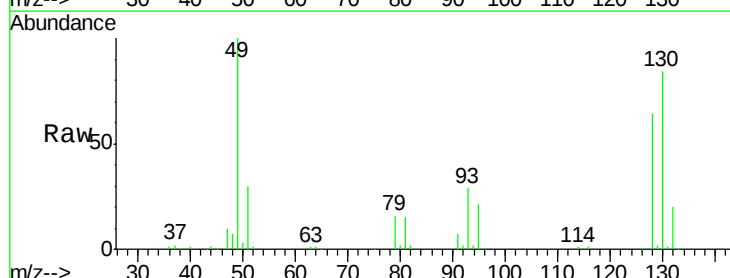
Abundance Ion 96.00 (95.70 to 96.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 98.00 (97.70 to 98.70): VW



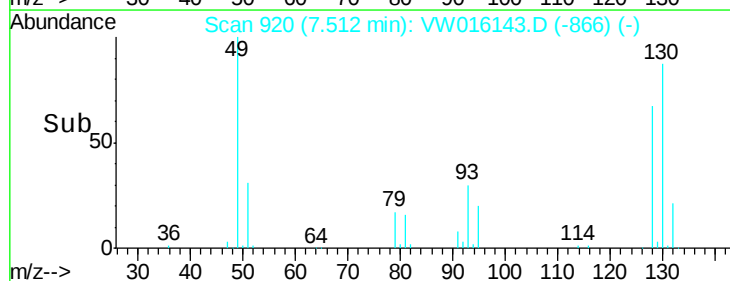
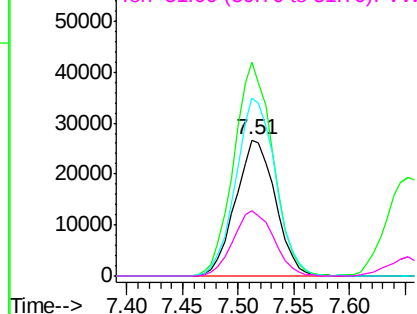
#23

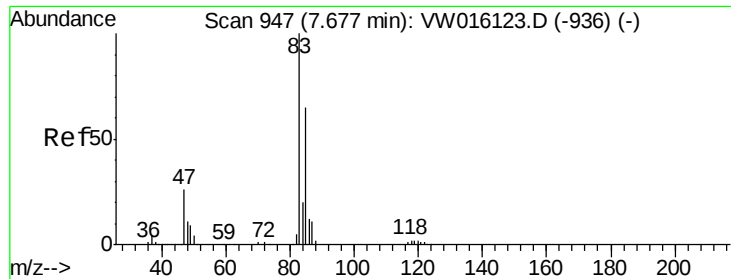
Bromochloromethane
 Concen: 25.205 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW016143.D
 Acq: 11 Aug 2020 17:59

Tgt Ion: 128 Resp: 66525
 Ion Ratio Lower Upper
 128 100
 49 156.9 111.8 207.6
 130 131.1 90.6 168.3
 51 47.8 42.6 63.8



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

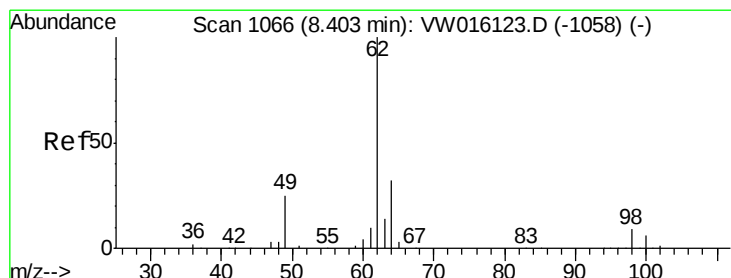
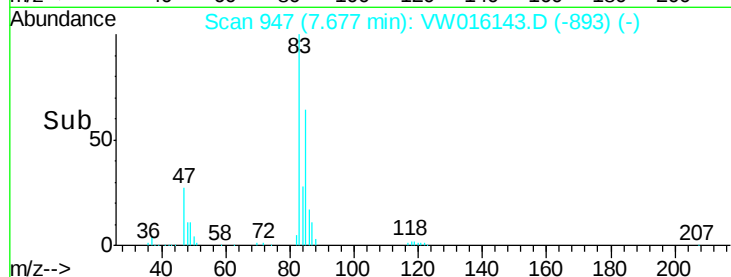
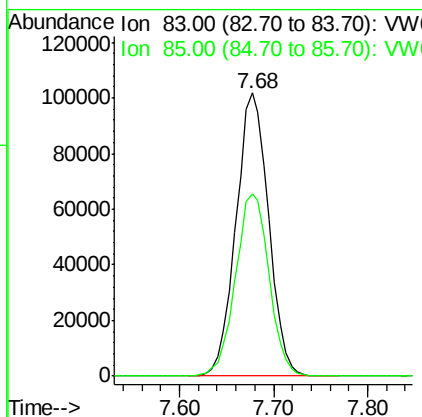
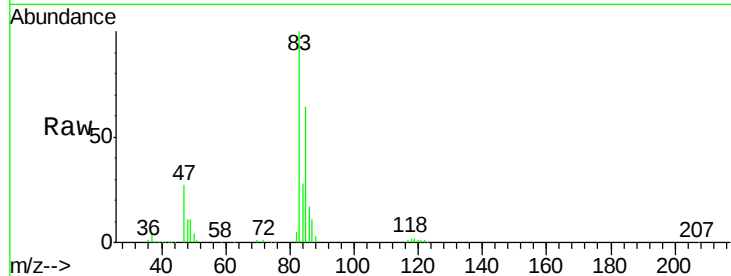




#25
Chloroform
Concen: 23.972 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW016143.D
Acq: 11 Aug 2020 17:59

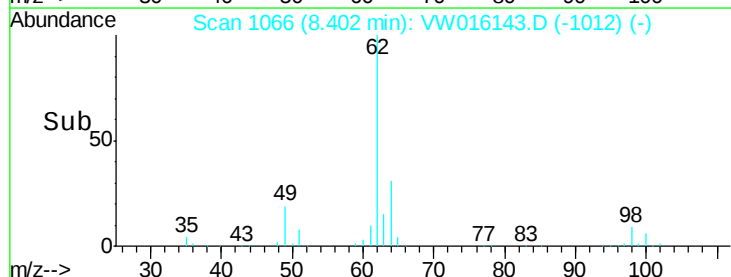
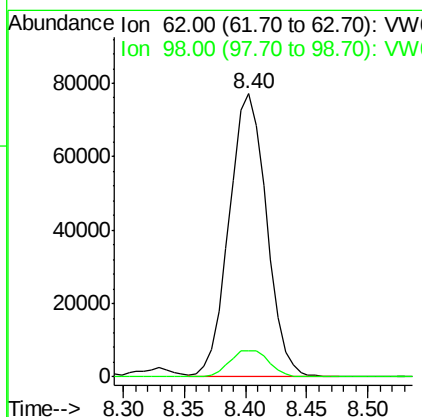
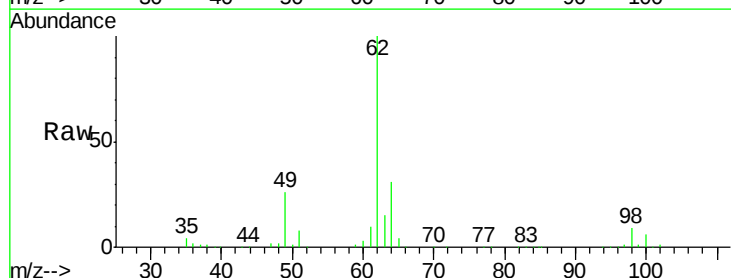
Instrument :
MSVOA_W
ClientSampleId :
VSTD02510

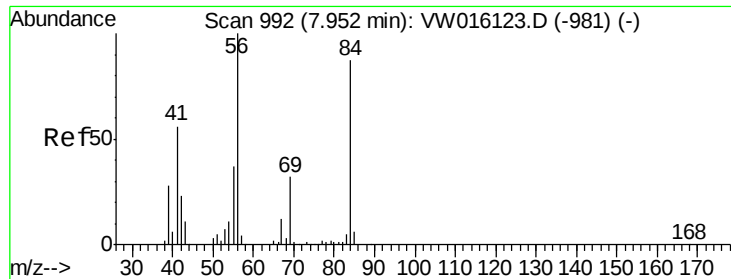
Tgt Ion: 83 Resp: 245987
Ion Ratio Lower Upper
83 100
85 66.3 46.0 85.4



#27
1,2-Dichloroethane
Concen: 23.966 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW016143.D
Acq: 11 Aug 2020 17:59

Tgt Ion: 62 Resp: 163816
Ion Ratio Lower Upper
62 100
98 9.4 7.7 11.5

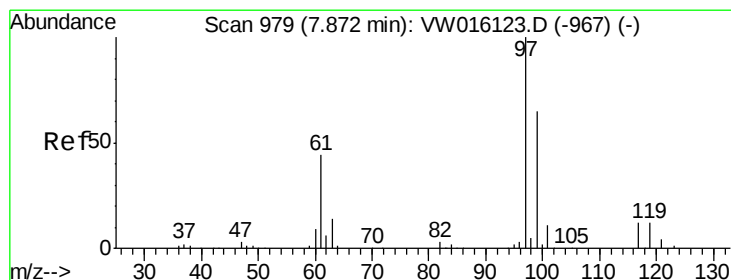
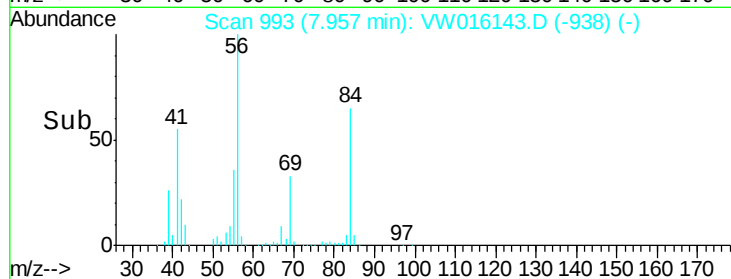
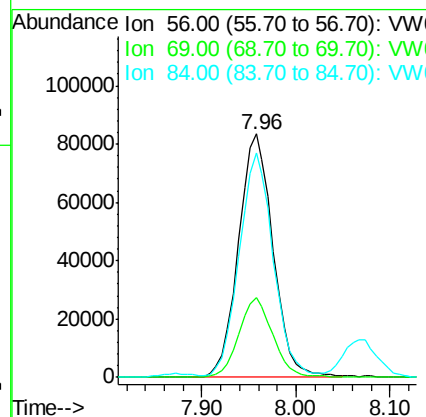
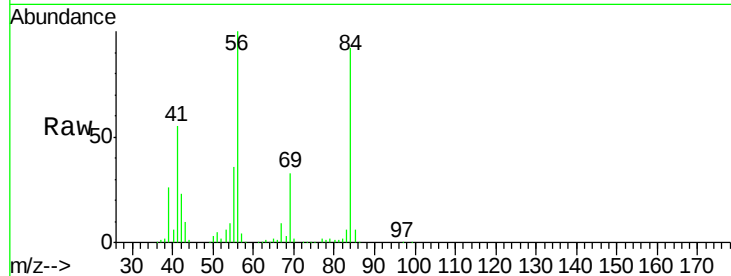




#30
Cyclohexane
Concen: 25.749 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.01 min
Lab File: VW016143.D
Acq: 11 Aug 2020 17:59

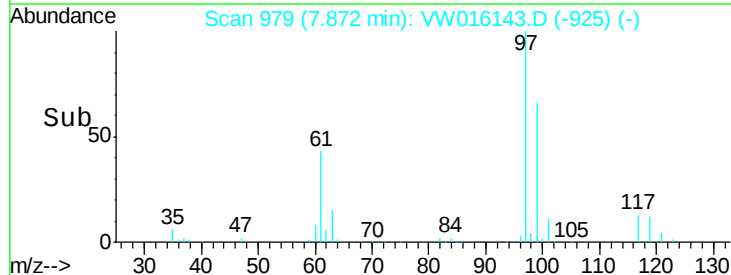
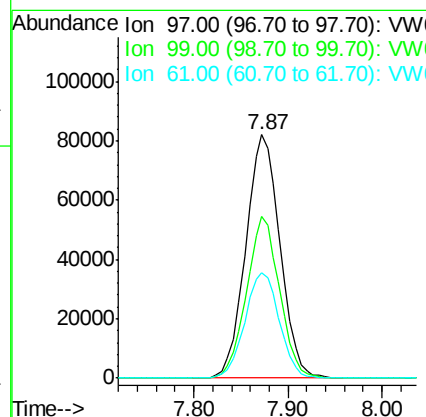
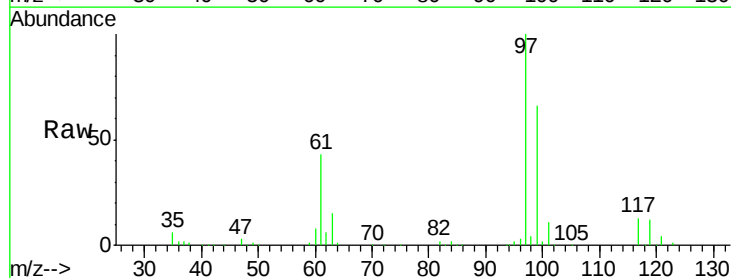
Instrument :
MSVOA_W
ClientSampleId :
VSTD02510

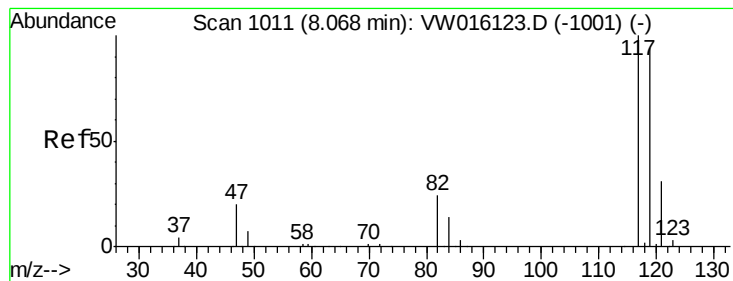
Tgt Ion: 56 Resp: 212868
Ion Ratio Lower Upper
56 100
69 31.9 25.4 38.0
84 91.2 73.0 109.6



#31
1,1,1-Trichloroethane
Concen: 23.897 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW016143.D
Acq: 11 Aug 2020 17:59

Tgt Ion: 97 Resp: 208641
Ion Ratio Lower Upper
97 100
99 64.0 51.6 77.4
61 43.6 34.5 51.7





#32

Carbon tetrachloride

Concen: 24.193 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VW016143.D

Acq: 11 Aug 2020 17:59

Instrument :

MSVOA_W

ClientSampleId :

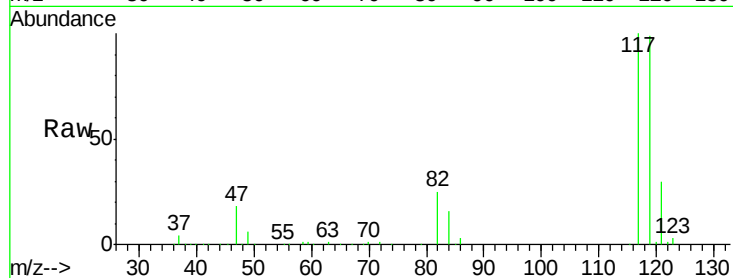
VSTD02510

Tgt Ion:117 Resp: 199776

Ion Ratio Lower Upper

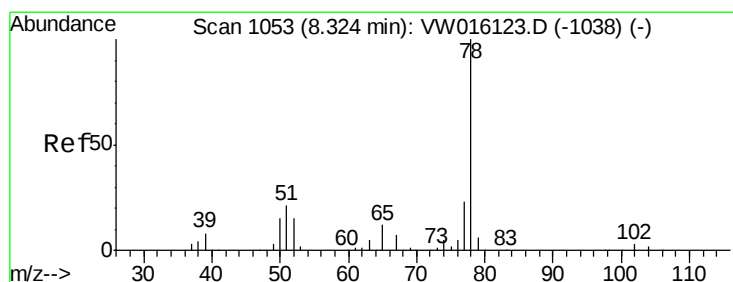
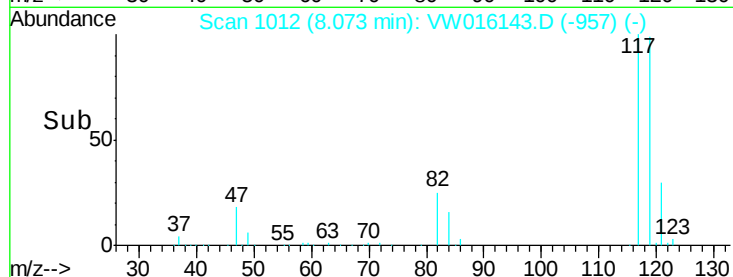
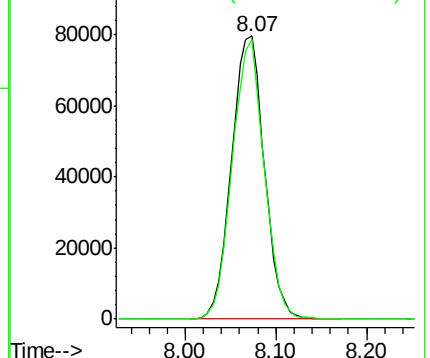
117 100

119 95.9 75.2 112.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 24.636 ug/L

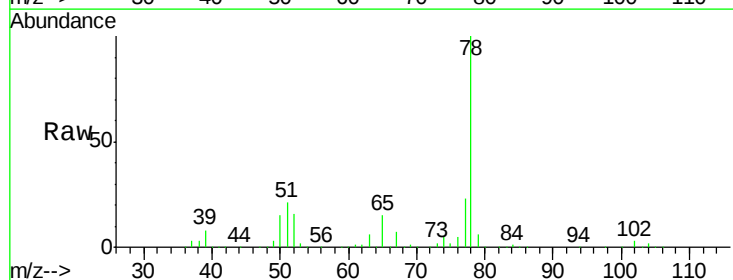
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

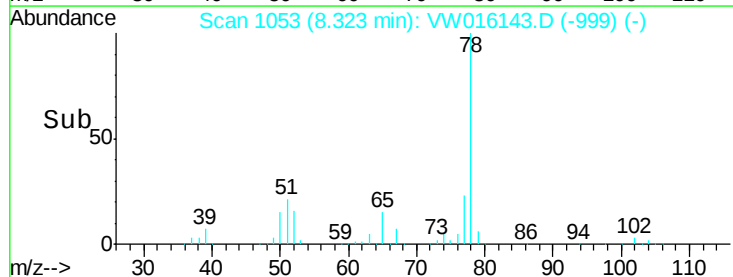
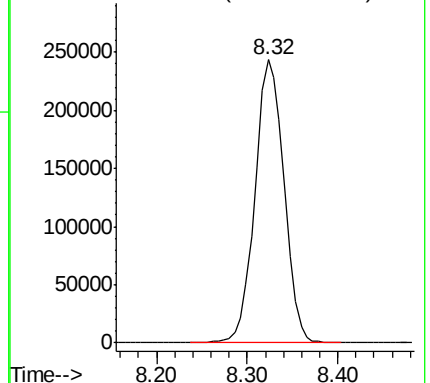
Lab File: VW016143.D

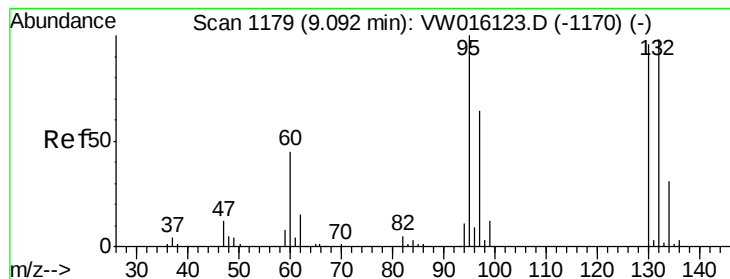
Acq: 11 Aug 2020 17:59

Tgt Ion: 78 Resp: 539787



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 24.071 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW016143.D

Acq: 11 Aug 2020 17:59

Instrument :

MSVOA_W

ClientSampleId :

VSTD02510

Tgt Ion: 95 Resp: 141818

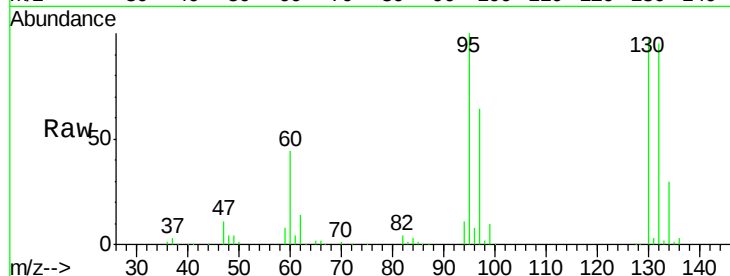
Ion Ratio Lower Upper

95 100

97 65.4 44.9 83.3

132 98.2 65.8 122.2

130 100.9 69.5 129.1

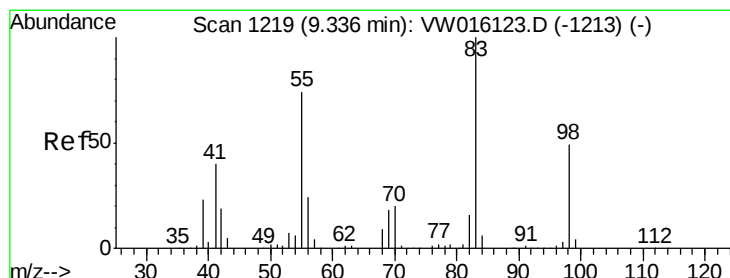
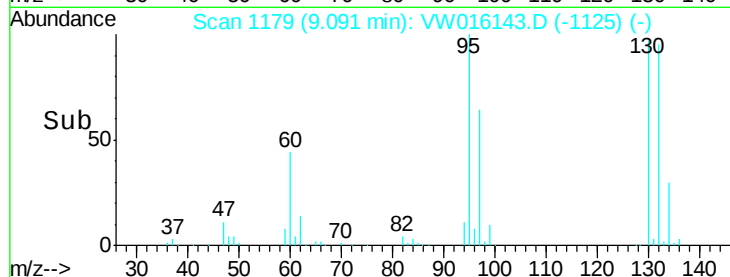
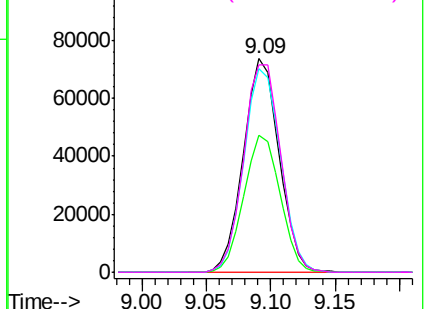


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 25.827 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW016143.D

Acq: 11 Aug 2020 17:59

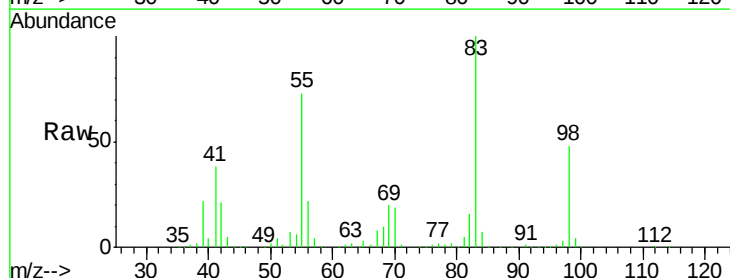
Tgt Ion: 83 Resp: 250668

Ion Ratio Lower Upper

83 100

55 75.1 60.7 91.1

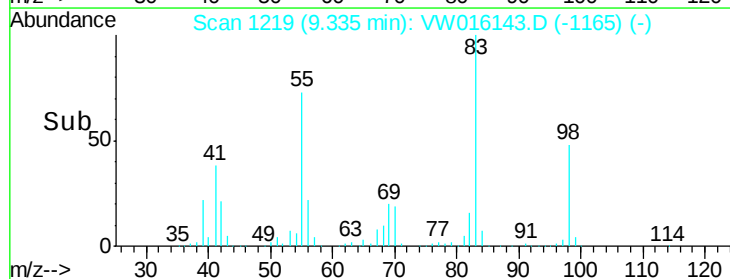
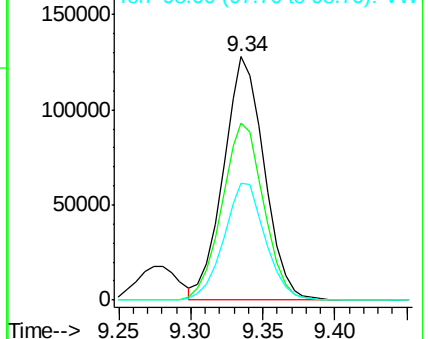
98 49.4 39.4 59.0

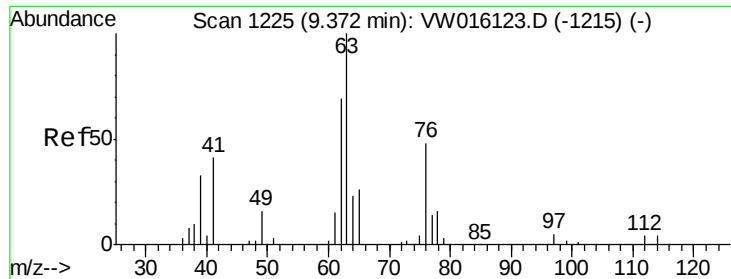


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

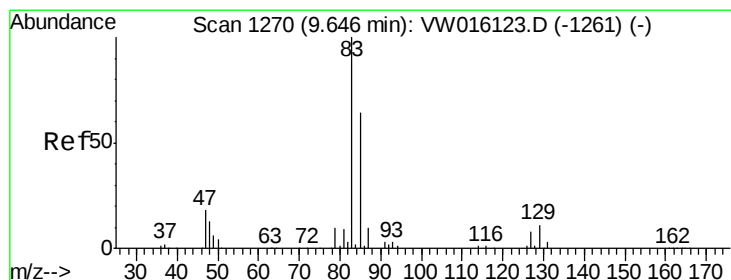
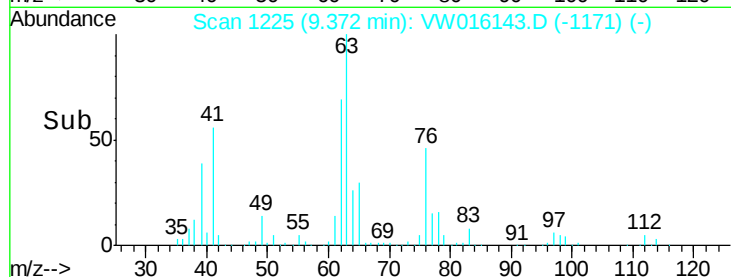
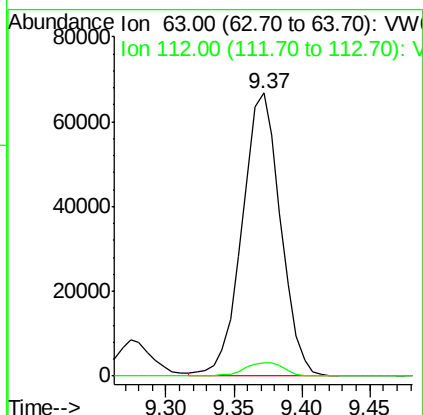
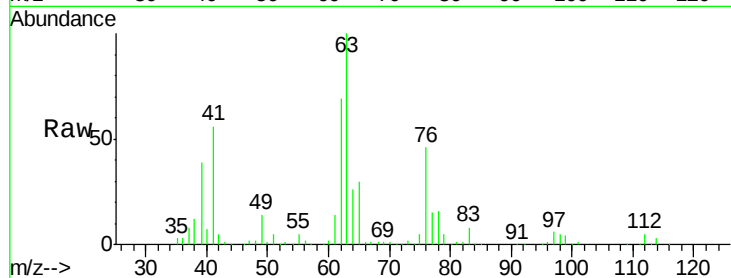




#40
 1,2-Dichloropropane
 Concen: 24.621 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW016143.D
 Acq: 11 Aug 2020 17:59

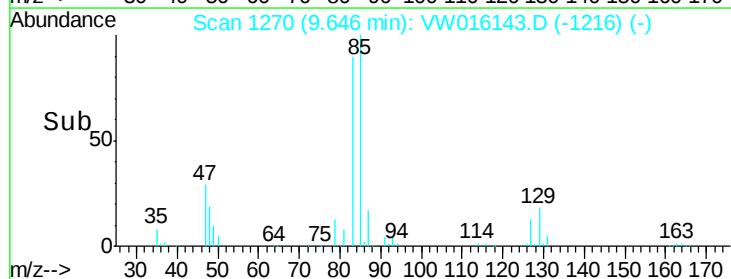
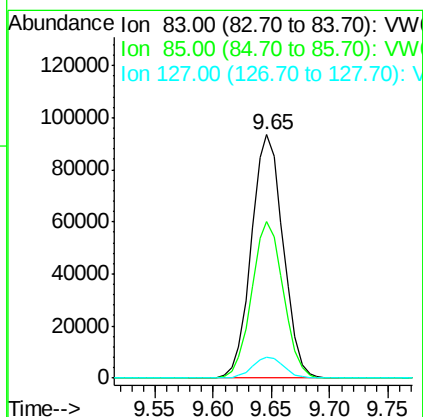
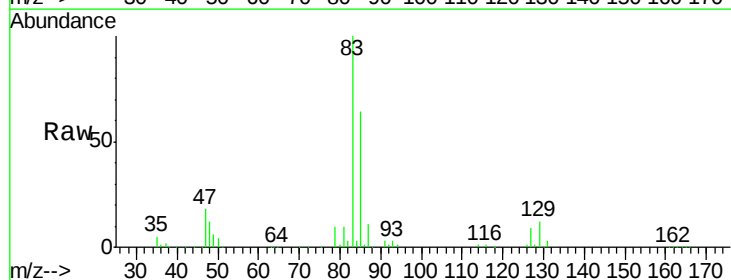
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

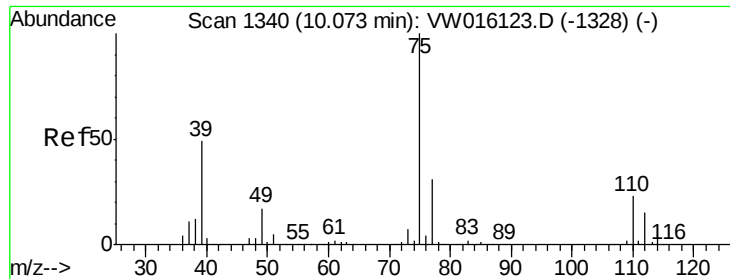
Tgt Ion: 63 Resp: 132478
 Ion Ratio Lower Upper
 63 100
 112 5.0 4.0 6.0



#41
 Bromodichloromethane
 Concen: 24.104 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW016143.D
 Acq: 11 Aug 2020 17:59

Tgt Ion: 83 Resp: 178167
 Ion Ratio Lower Upper
 83 100
 85 64.3 46.1 85.5
 127 8.6 7.2 10.8





#42

cis-1,3-Dichloropropene

Concen: 25.140 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW016143.D

Acq: 11 Aug 2020 17:59

Instrument :

MSVOA_W

ClientSampleId :

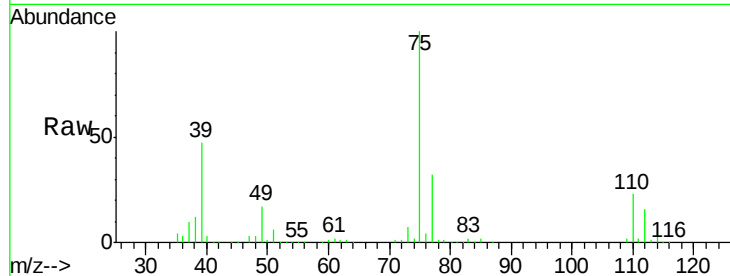
VSTD02510

Tgt Ion: 75 Resp: 206012

Ion Ratio Lower Upper

75 100

77 31.9 22.9 42.5



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.07

120000

100000

80000

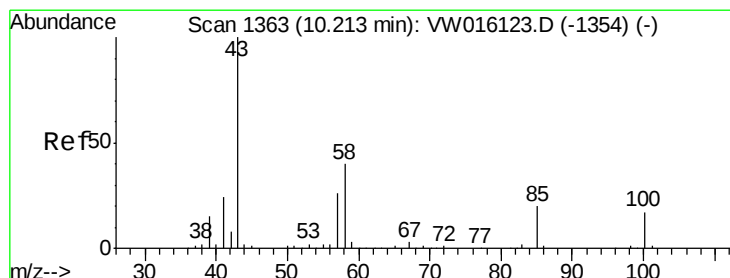
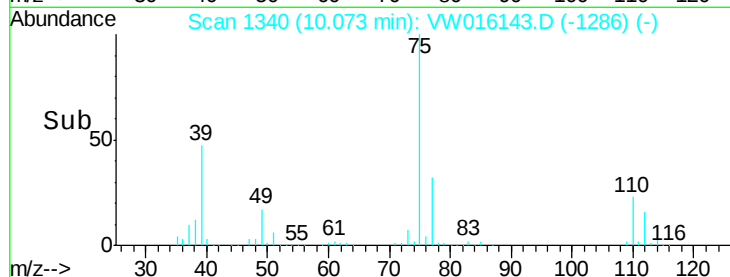
60000

40000

20000

0

Time-->



#43

4-Methyl-2-pentanone

Concen: 54.087 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW016143.D

Acq: 11 Aug 2020 17:59

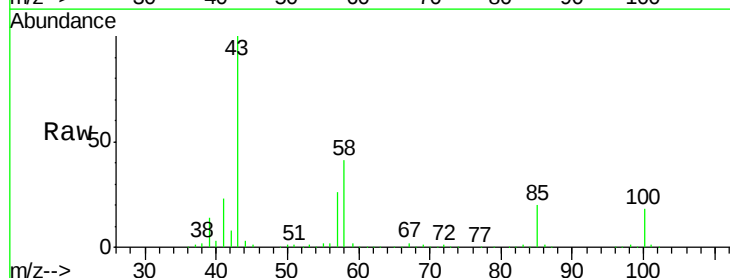
Tgt Ion: 43 Resp: 175043

Ion Ratio Lower Upper

43 100

58 40.9 32.1 48.1

100 17.5 13.8 20.8



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

10.21

200000

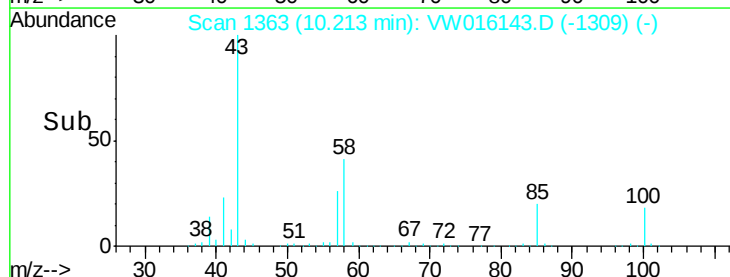
150000

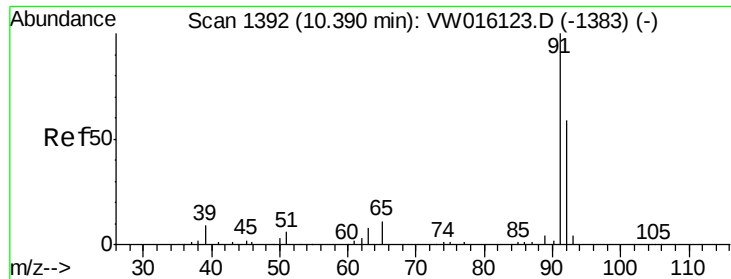
100000

50000

0

Time-->





#44

Toluene

Concen: 25.570 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW016143.D

Acq: 11 Aug 2020 17:59

Instrument :

MSVOA_W

ClientSampleId :

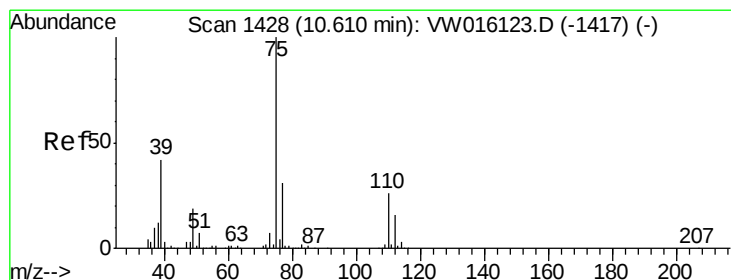
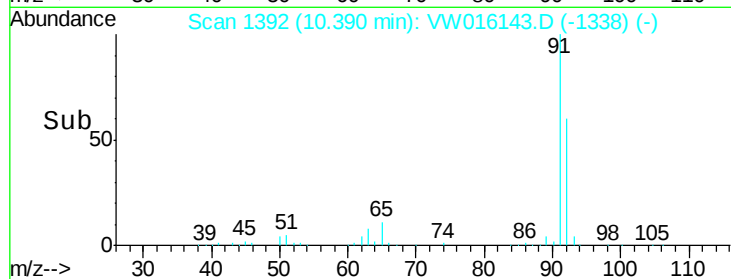
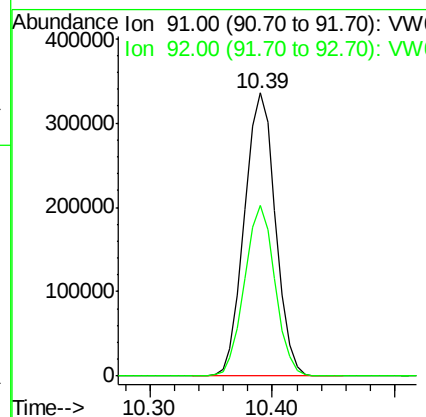
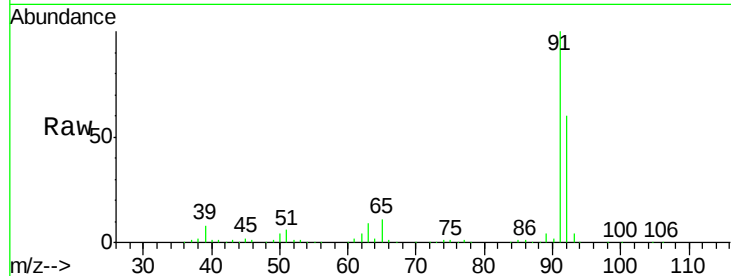
VSTD02510

Tgt Ion: 91 Resp: 591404

Ion Ratio Lower Upper

91 100

92 60.4 41.8 77.6



#45

trans-1,3-Dichloropropene

Concen: 25.442 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW016143.D

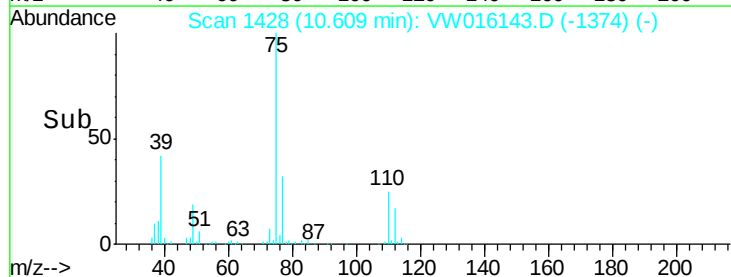
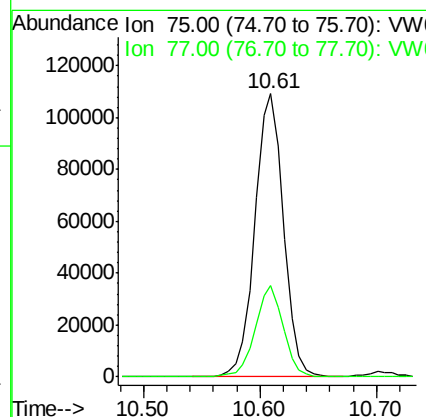
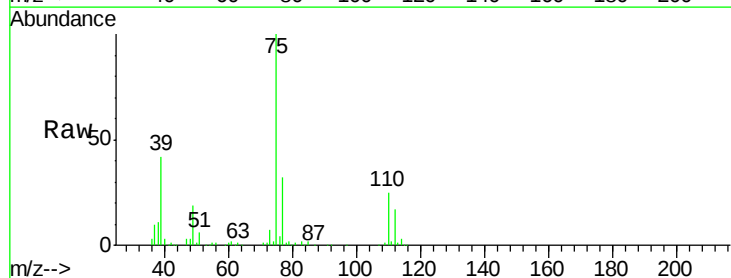
Acq: 11 Aug 2020 17:59

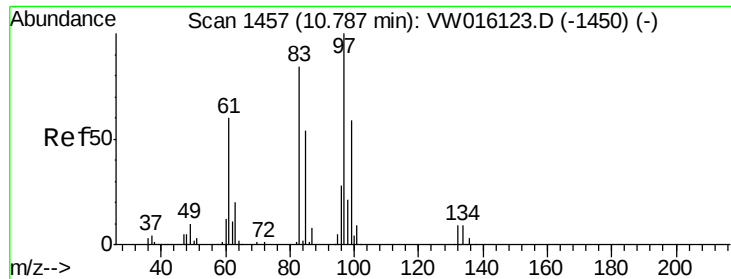
Tgt Ion: 75 Resp: 187284

Ion Ratio Lower Upper

75 100

77 32.3 22.7 42.1

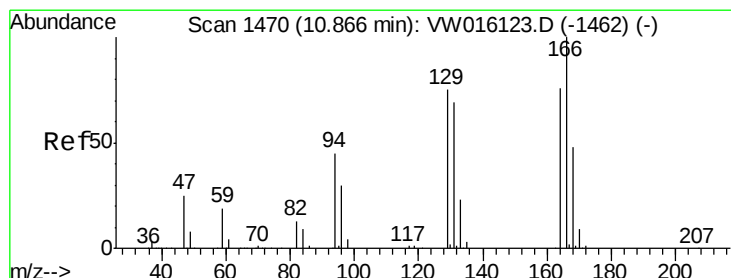
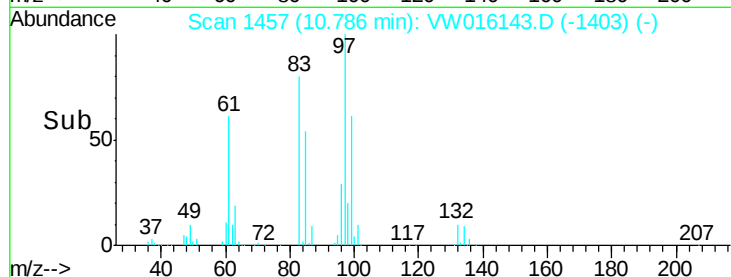
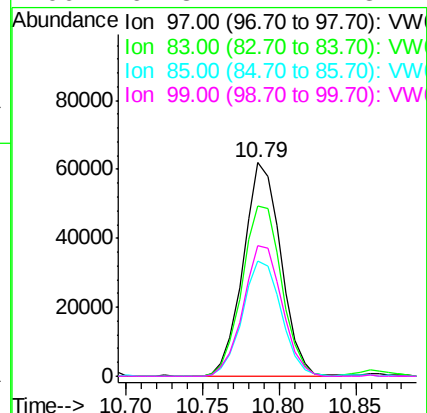
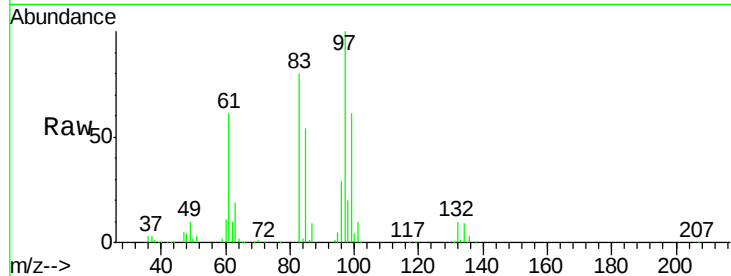




#46
 1,1,2-Trichloroethane
 Concen: 25.130 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW016143.D
 Acq: 11 Aug 2020 17:59

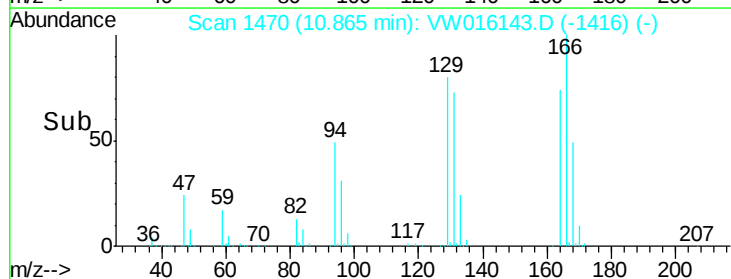
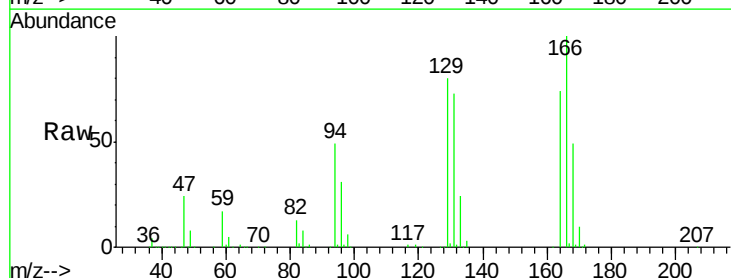
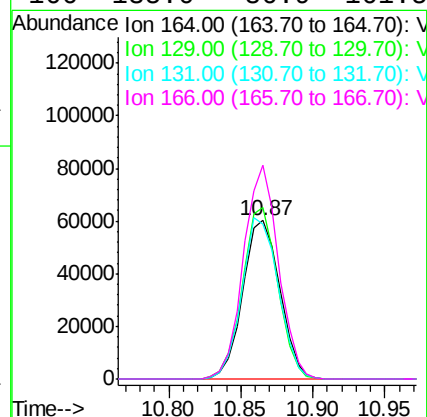
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

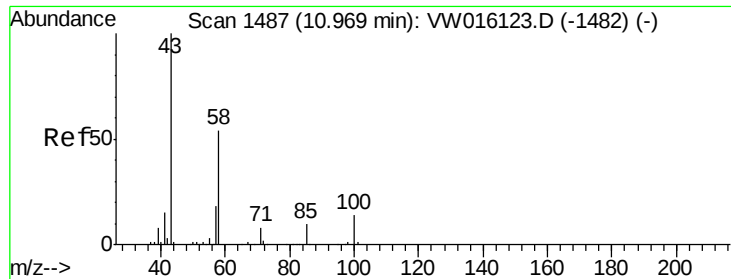
Tgt Ion: 97 Resp: 106436
 Ion Ratio Lower Upper
 97 100
 83 79.8 57.8 107.4
 85 53.8 38.0 70.6
 99 61.3 44.4 82.4



#47
 Tetrachloroethene
 Concen: 24.275 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. -0.00 min
 Lab File: VW016143.D
 Acq: 11 Aug 2020 17:59

Tgt Ion: 164 Resp: 107215
 Ion Ratio Lower Upper
 164 100
 129 108.6 71.5 132.9
 131 97.9 65.4 121.4
 166 135.0 86.9 161.5

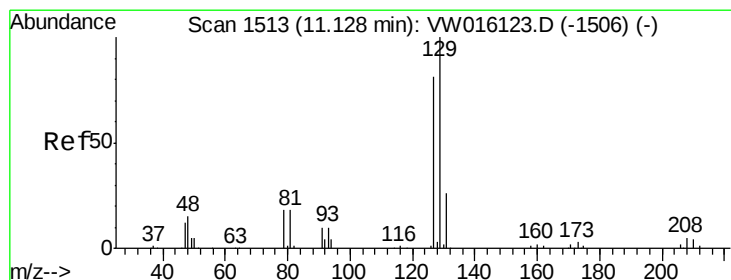
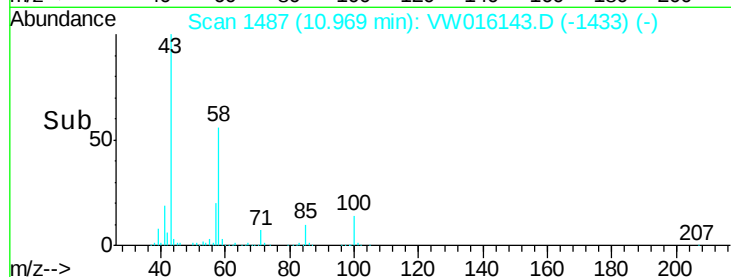
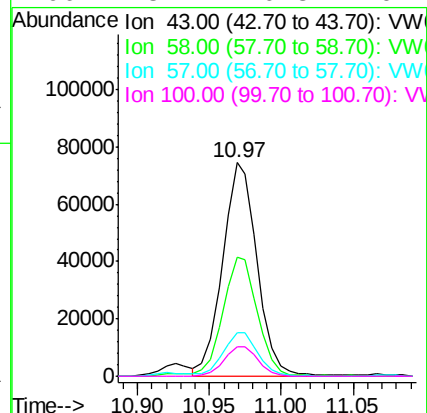
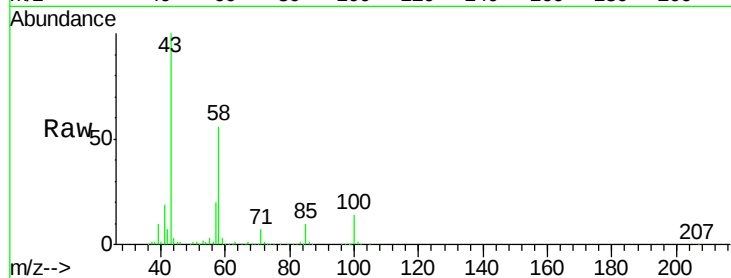




#49
2-Hexanone
Concen: 57.125 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW016143.D
Acq: 11 Aug 2020 17:59

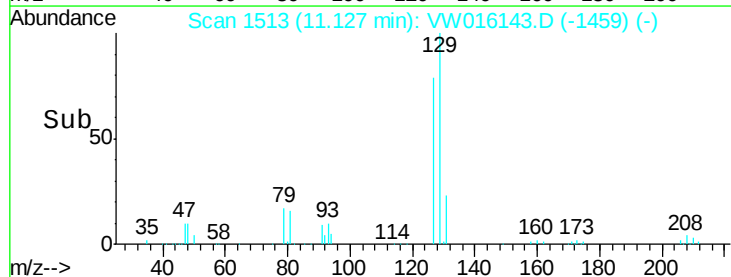
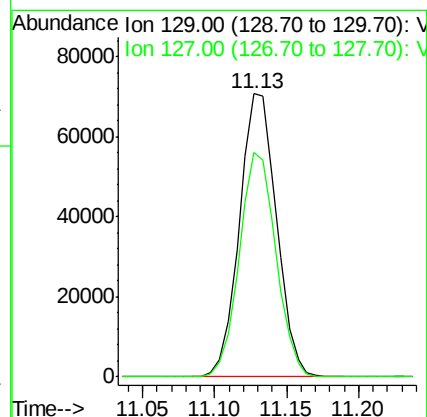
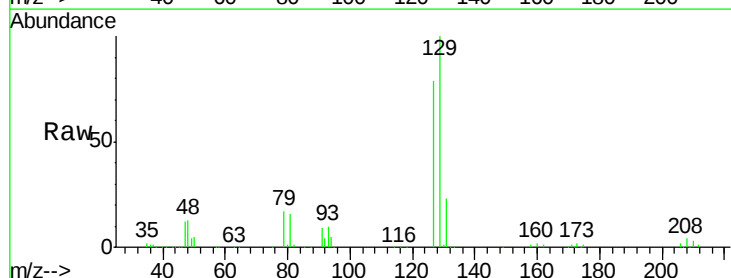
Instrument :
MSVOA_W
ClientSampleId :
VSTD02510

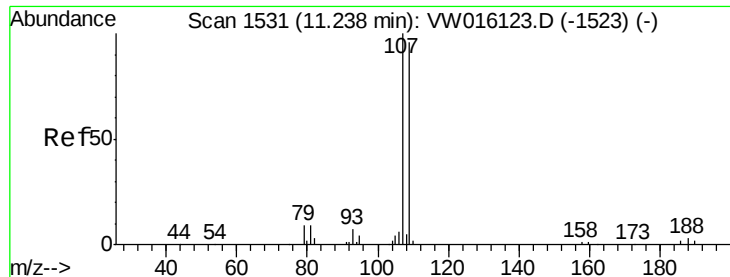
Tgt Ion: 43 Resp: 124748
Ion Ratio Lower Upper
43 100
58 56.2 44.2 66.2
57 20.8 15.8 23.6
100 13.7 10.8 16.2



#50
Dibromochloromethane
Concen: 25.354 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW016143.D
Acq: 11 Aug 2020 17:59

Tgt Ion: 129 Resp: 126476
Ion Ratio Lower Upper
129 100
127 79.4 55.4 102.8

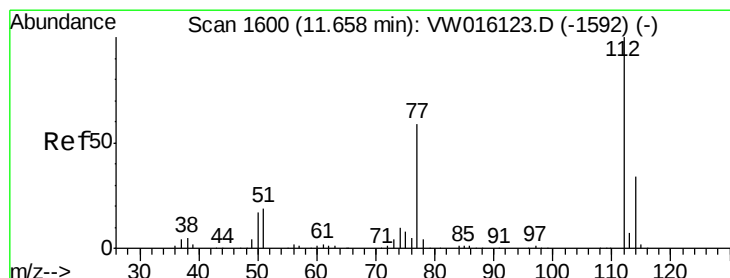
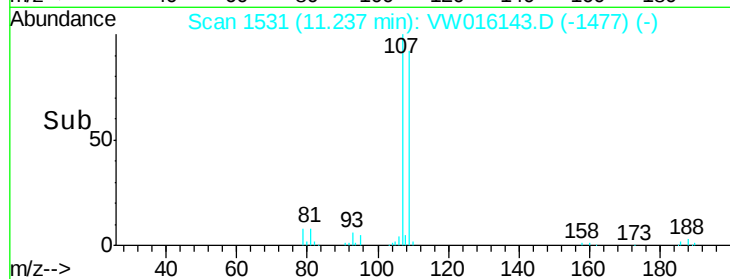
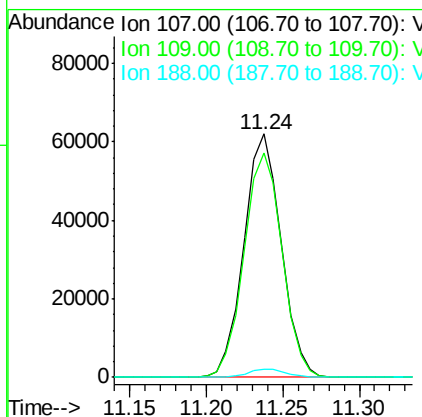
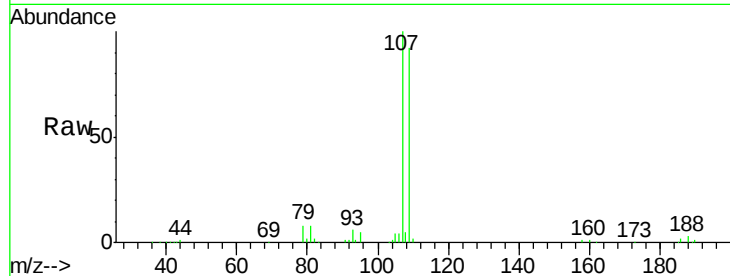




#51
 1,2-Dibromoethane
 Concen: 26.273 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW016143.D
 Acq: 11 Aug 2020 17:59

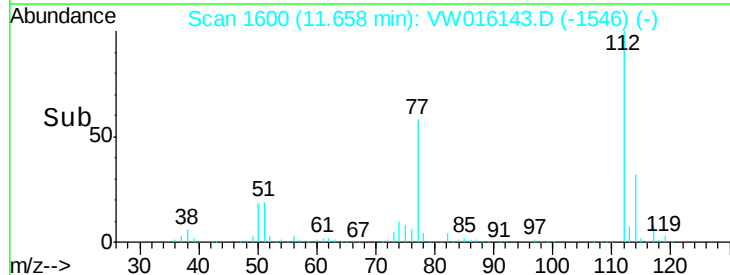
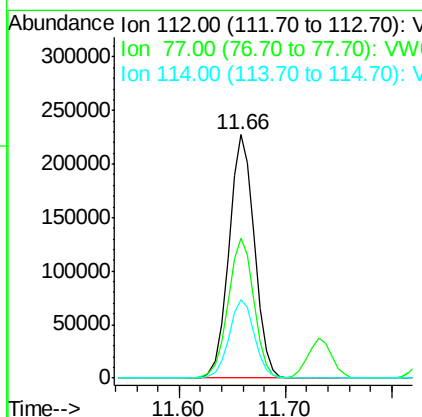
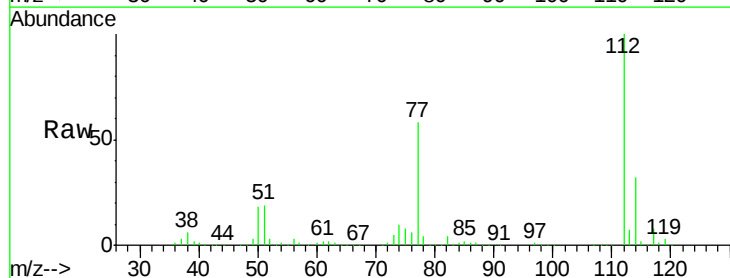
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

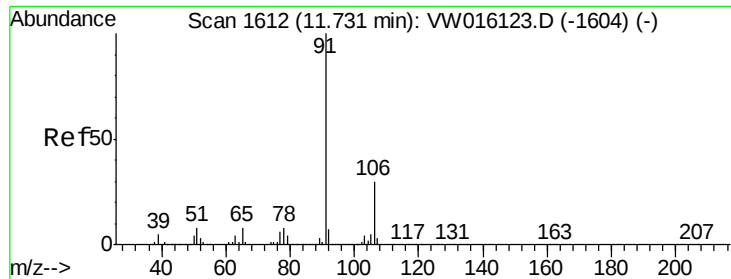
Tgt Ion:107 Resp: 105495
 Ion Ratio Lower Upper
 107 100
 109 92.1 66.0 122.6
 188 3.2 2.8 4.2



#52
 Chlorobenzene
 Concen: 24.765 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW016143.D
 Acq: 11 Aug 2020 17:59

Tgt Ion:112 Resp: 378997
 Ion Ratio Lower Upper
 112 100
 77 57.7 49.1 73.7
 114 32.1 23.5 43.7

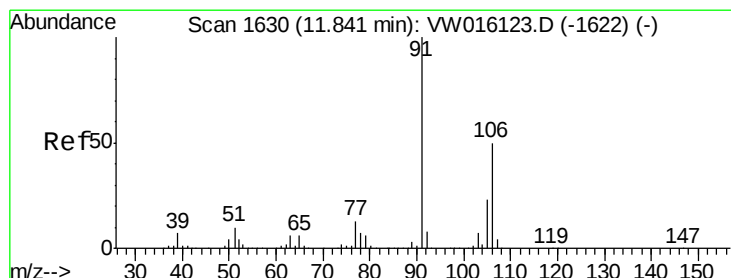
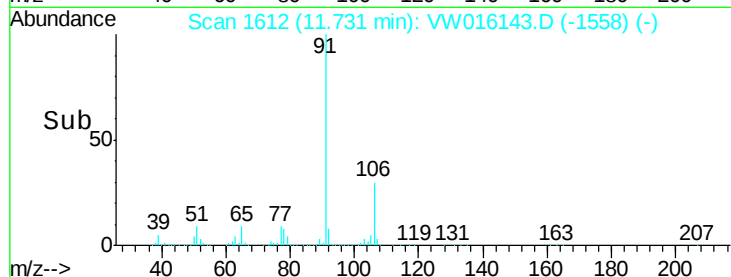
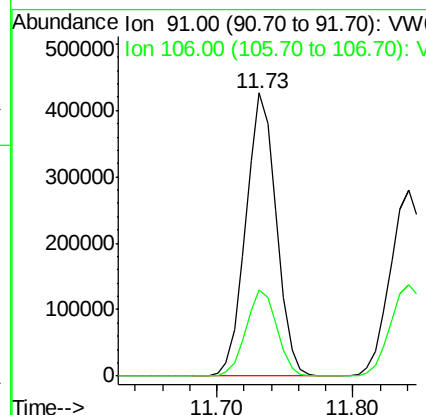
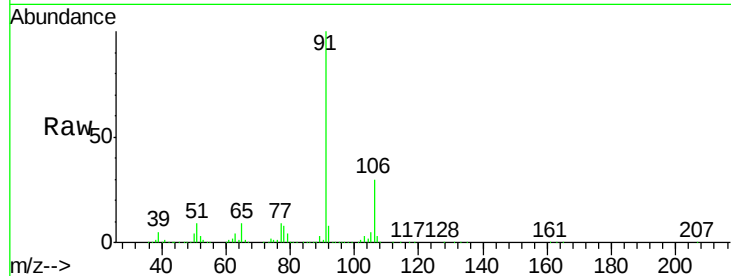




#53
Ethylbenzene
Concen: 25.443 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW016143.D
Acq: 11 Aug 2020 17:59

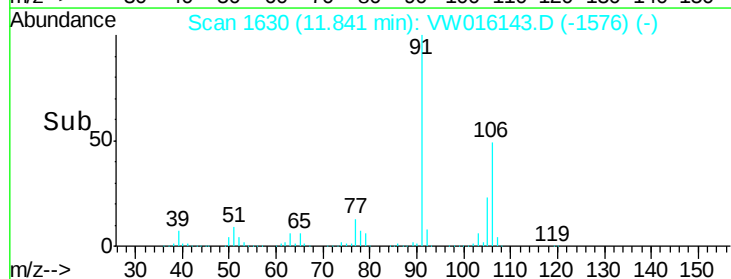
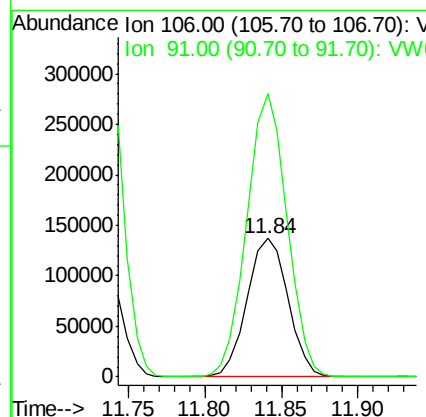
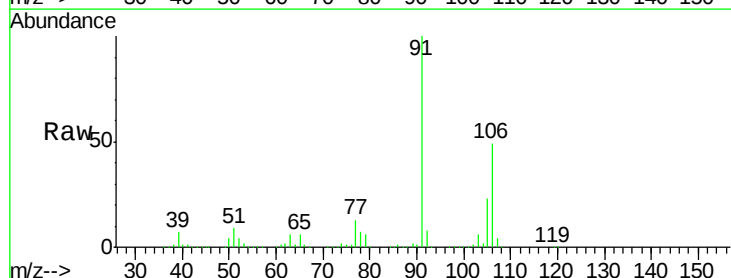
Instrument :
MSVOA_W
ClientSampleId :
VSTD02510

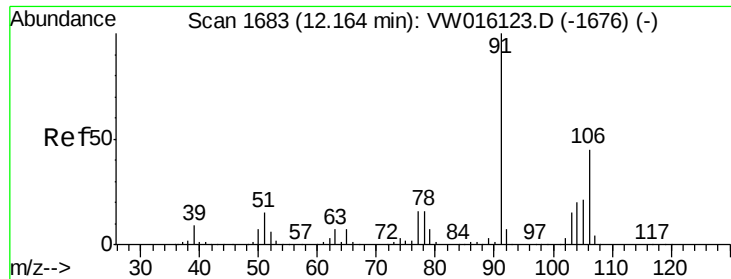
Tgt Ion: 91 Resp: 667665
Ion Ratio Lower Upper
91 100
106 30.4 21.8 40.4



#54
m,p-Xylene
Concen: 25.817 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW016143.D
Acq: 11 Aug 2020 17:59

Tgt Ion: 106 Resp: 254853
Ion Ratio Lower Upper
106 100
91 204.4 136.4 253.2

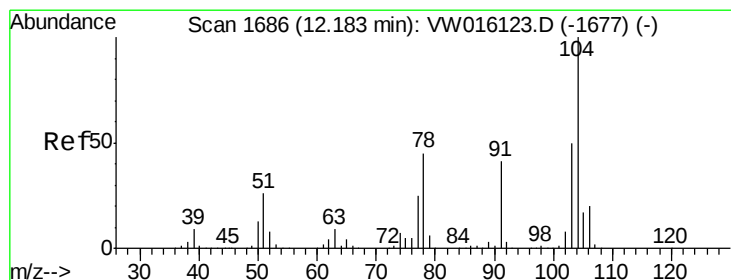
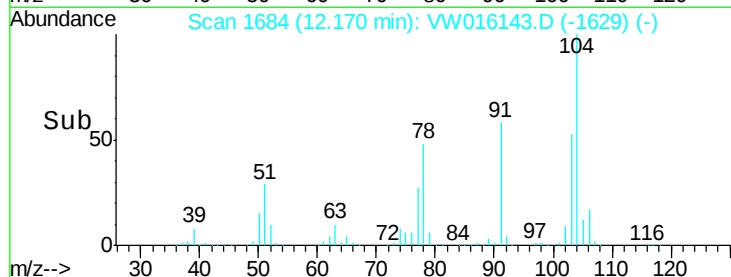
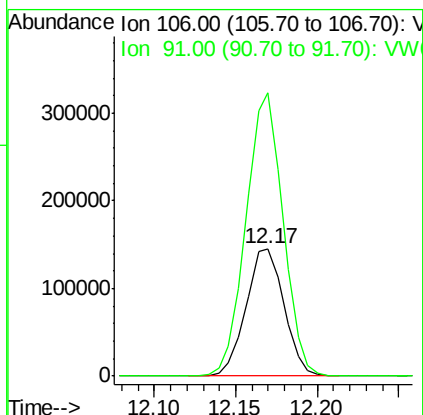
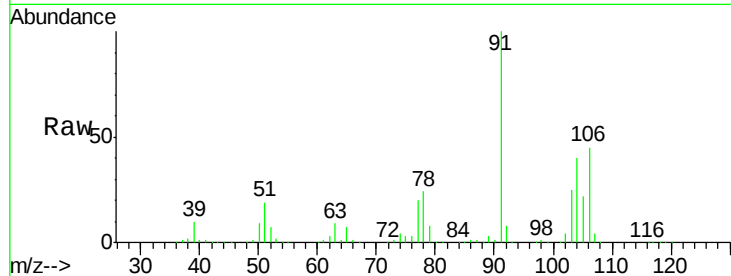




#55
o-xylene
Concen: 25.339 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW016143.D
Acq: 11 Aug 2020 17:59

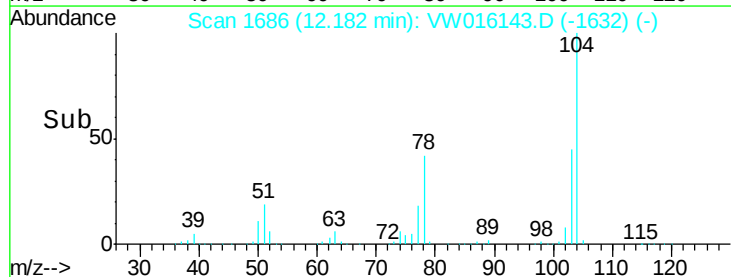
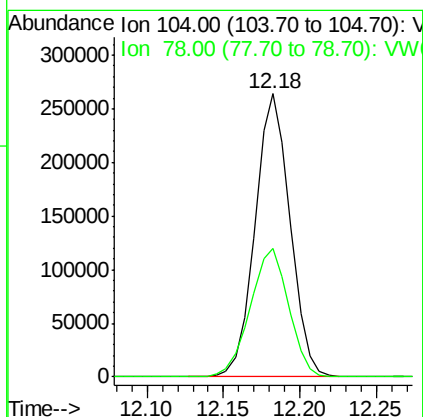
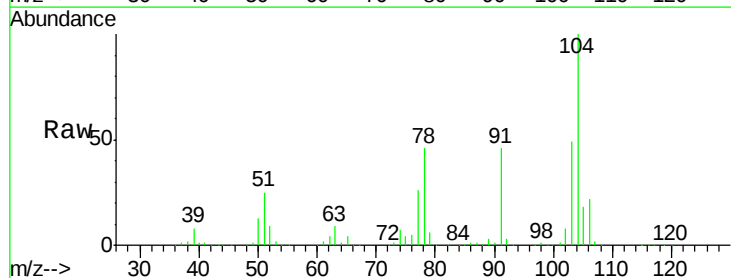
Instrument :
MSVOA_W
ClientSampleId :
VSTD02510

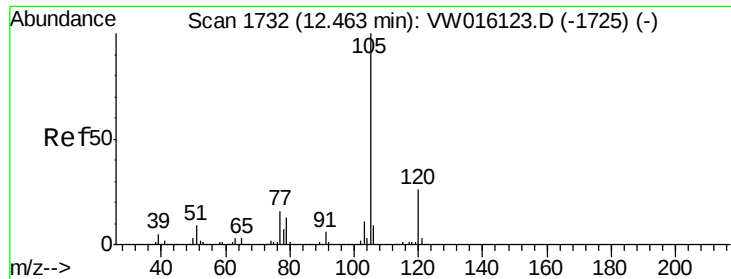
Tgt Ion:106 Resp: 235608
Ion Ratio Lower Upper
106 100
91 222.4 151.3 281.1



#56
Styrene
Concen: 26.063 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW016143.D
Acq: 11 Aug 2020 17:59

Tgt Ion:104 Resp: 419562
Ion Ratio Lower Upper
104 100
78 45.6 32.0 59.4





#57

Isopropylbenzene

Concen: 25.893 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW016143.D

Acq: 11 Aug 2020 17:59

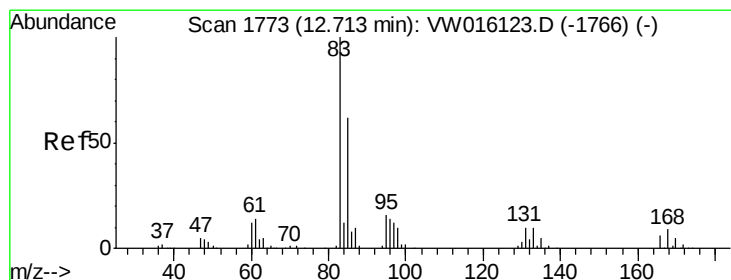
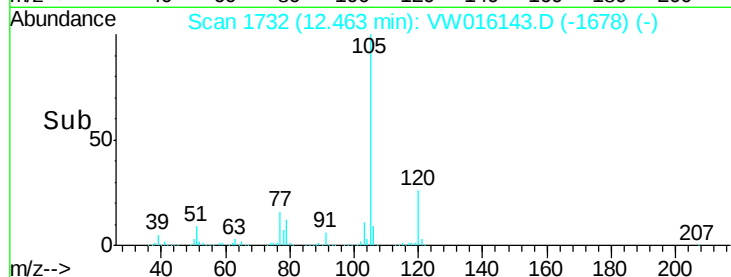
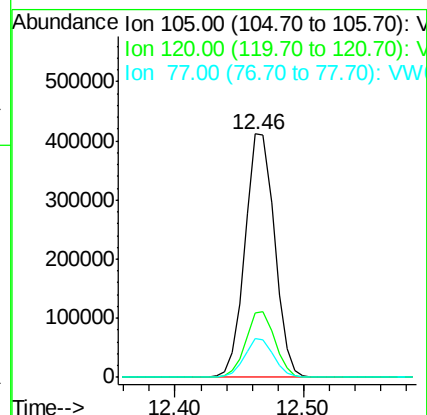
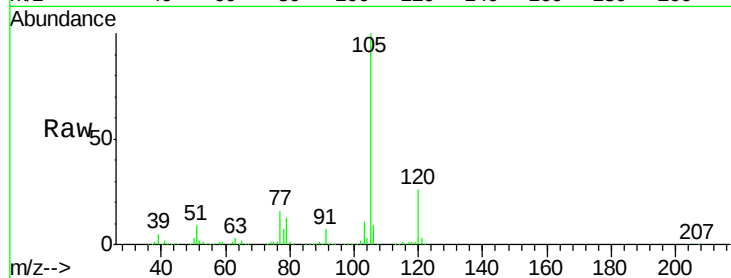
Instrument :

MSVOA_W

ClientSampleId :

VSTD02510

Tgt Ion:	105	Resp:	649125
Ion	Ratio	Lower	Upper
105	100		
120	26.6	21.0	31.4
77	15.6	12.6	18.8



#58

1,1,2,2-Tetrachloroethane

Concen: 26.665 ug/L

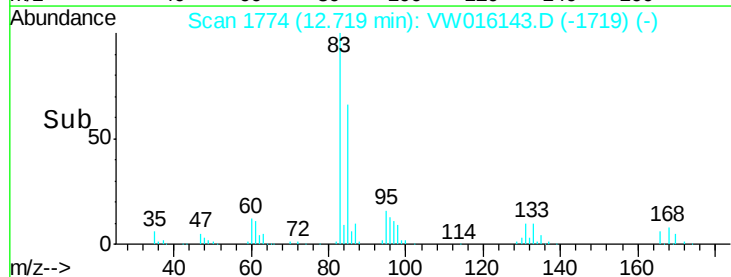
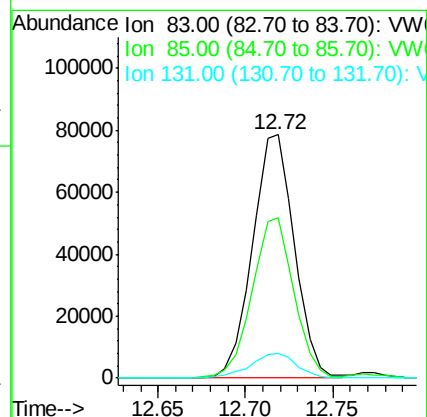
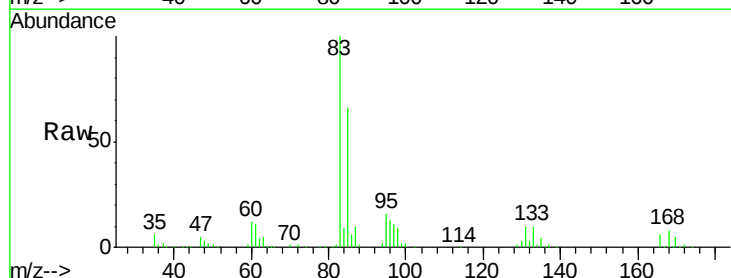
RT: 12.72 min Scan# 1774

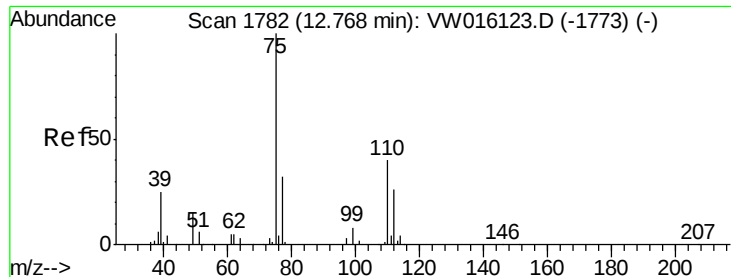
Delta R.T. 0.01 min

Lab File: VW016143.D

Acq: 11 Aug 2020 17:59

Tgt Ion:	83	Resp:	131775
Ion	Ratio	Lower	Upper
83	100		
85	65.7	42.4	78.8
131	9.9	7.8	11.8





#59

1,2,3-Trichloropropane

Concen: 26.407 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW016143.D

Acq: 11 Aug 2020 17:59

Instrument :

MSVOA_W

ClientSampleId :

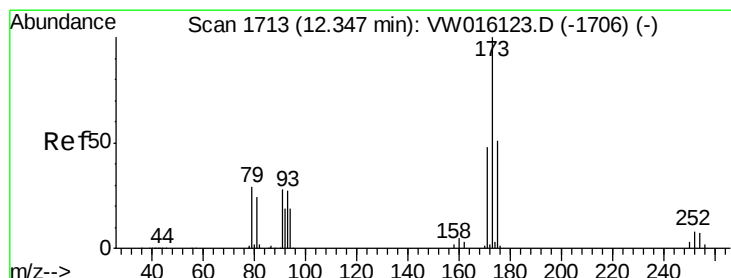
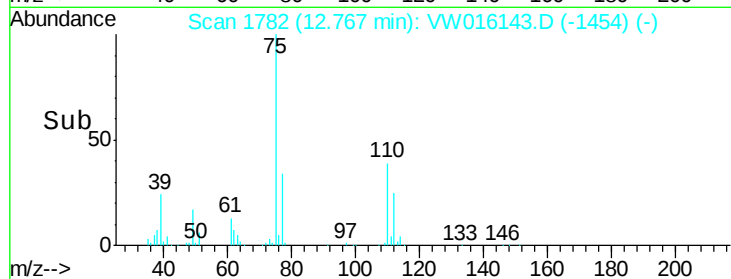
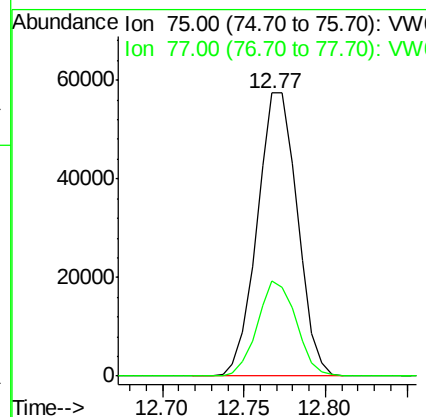
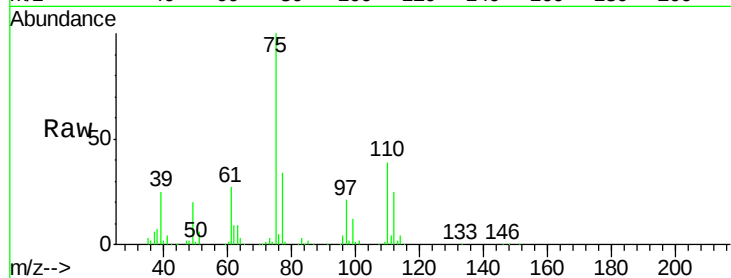
VSTD02510

Tgt Ion: 75 Resp: 98864

Ion Ratio Lower Upper

75 100

77 32.4 25.9 38.9



#62

Bromoform

Concen: 24.833 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW016143.D

Acq: 11 Aug 2020 17:59

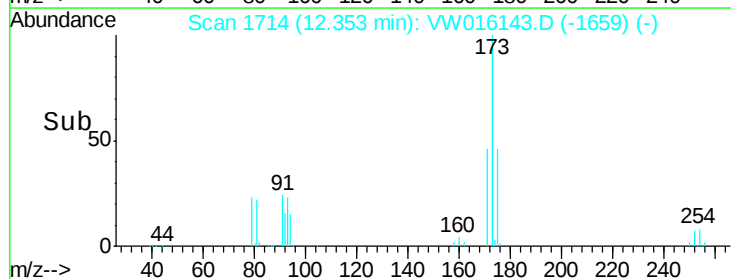
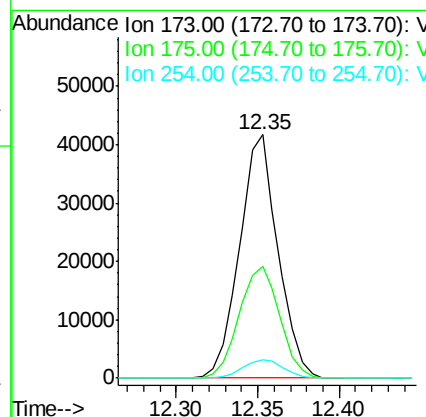
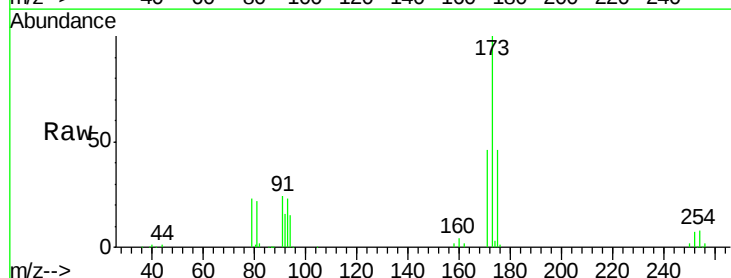
Tgt Ion: 173 Resp: 68338

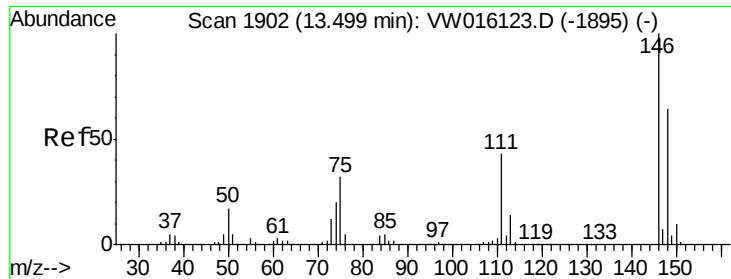
Ion Ratio Lower Upper

173 100

175 48.3 37.8 56.6

254 7.7 6.8 10.2

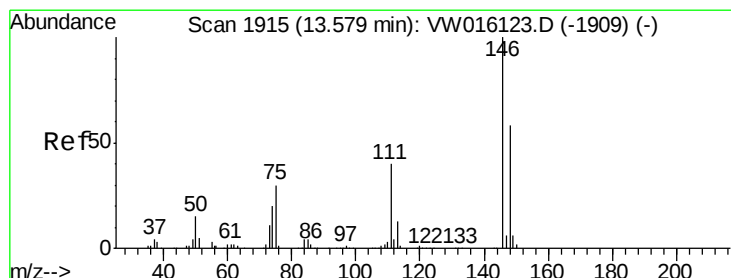
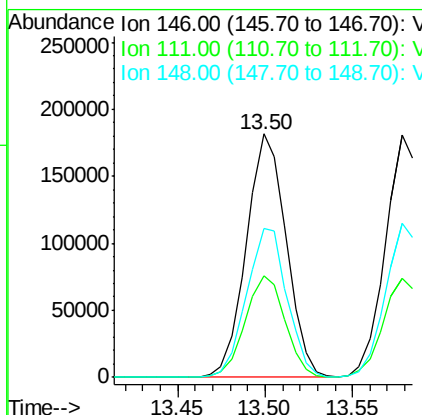
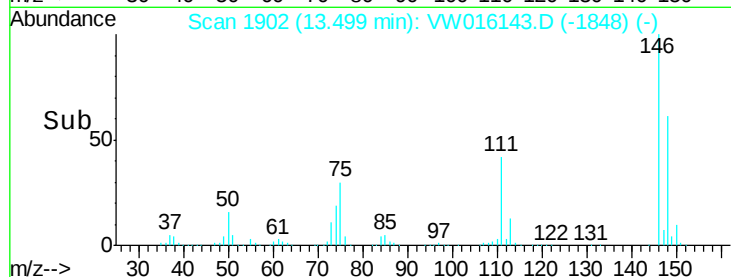
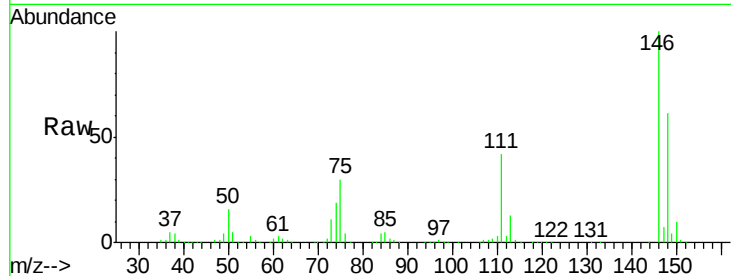




#63
 1,3-Dichlorobenzene
 Concen: 25.043 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW016143.D
 Acq: 11 Aug 2020 17:59

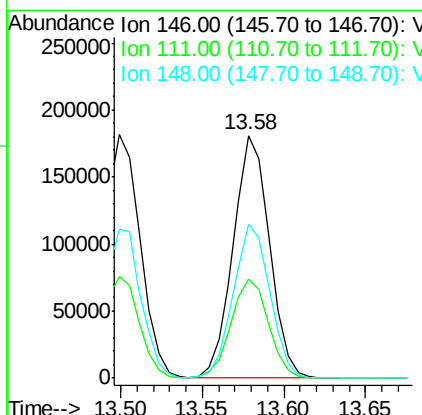
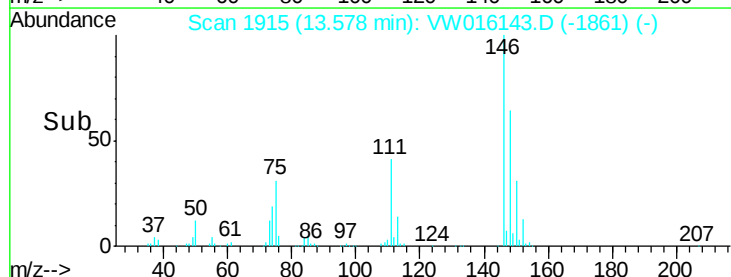
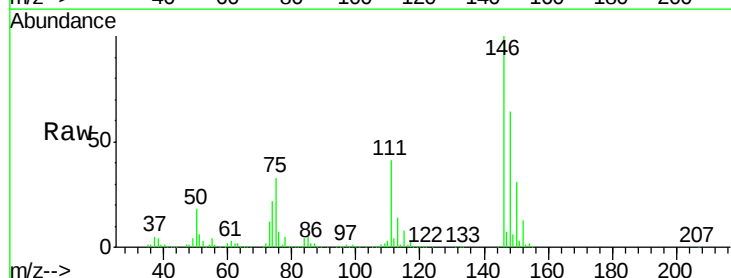
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

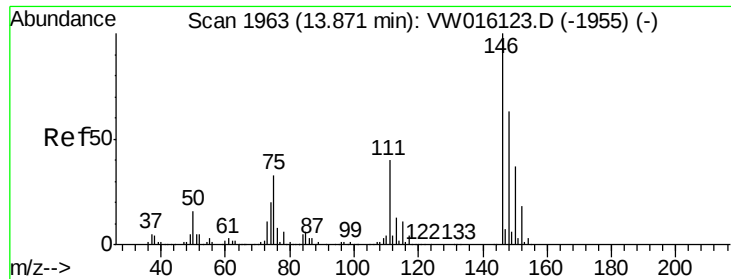
Tgt Ion:146 Resp: 287853
 Ion Ratio Lower Upper
 146 100
 111 41.7 28.9 53.7
 148 61.2 44.7 82.9



#64
 1,4-Dichlorobenzene
 Concen: 23.989 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW016143.D
 Acq: 11 Aug 2020 17:59

Tgt Ion:146 Resp: 280897
 Ion Ratio Lower Upper
 146 100
 111 41.0 28.6 53.2
 148 63.7 47.7 88.5

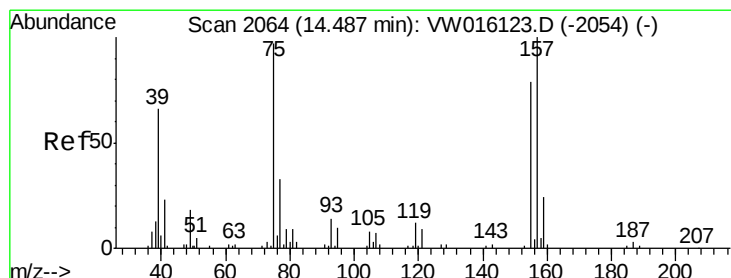
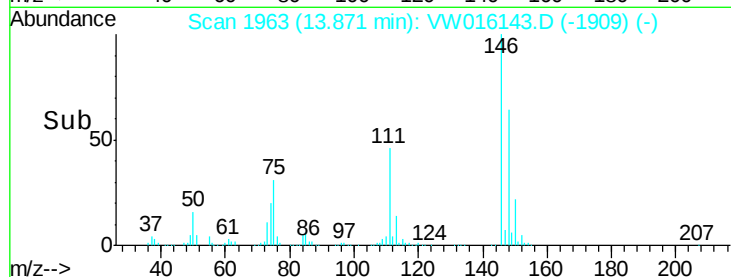
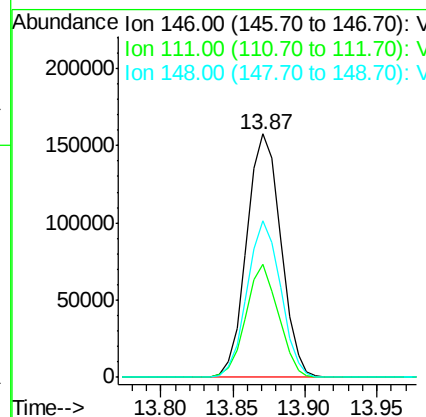
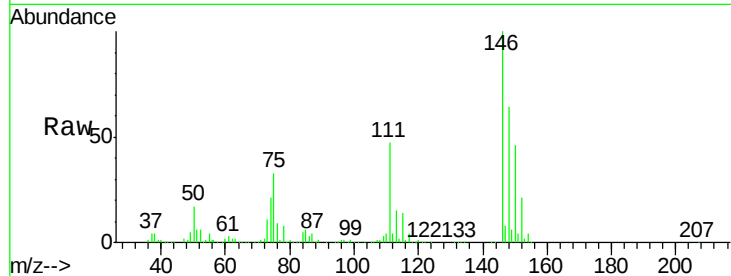




#65
 1,2-Dichlorobenzene
 Concen: 24.491 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW016143.D
 Acq: 11 Aug 2020 17:59

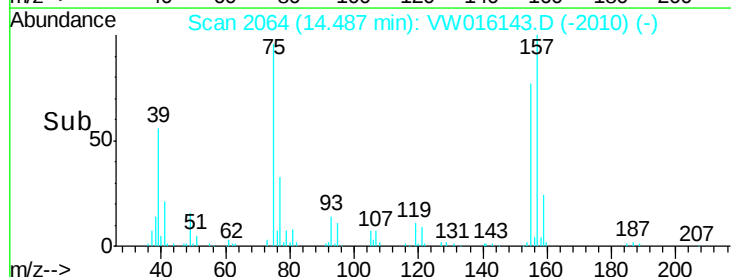
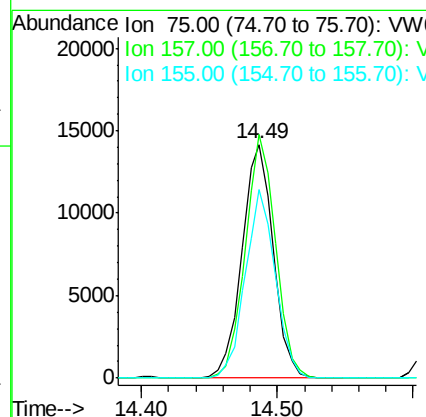
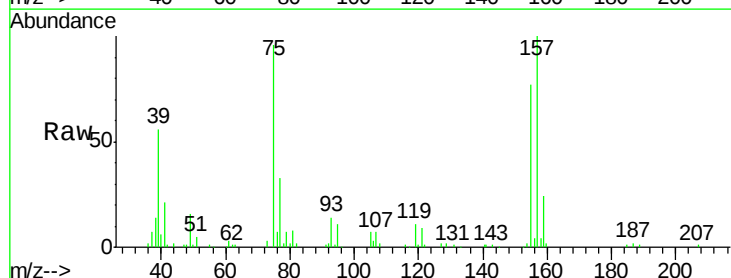
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

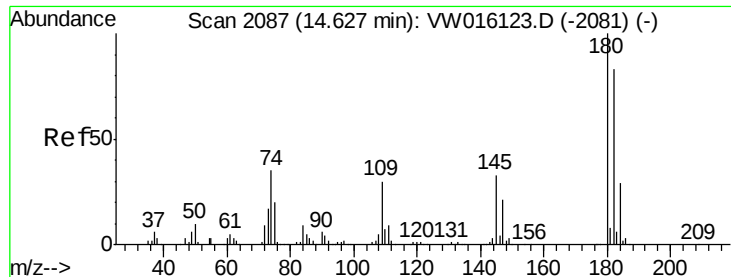
Tgt Ion: 146 Resp: 258101
 Ion Ratio Lower Upper
 146 100
 111 46.6 35.3 52.9
 148 64.3 49.0 73.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 24.554 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW016143.D
 Acq: 11 Aug 2020 17:59

Tgt Ion: 75 Resp: 22690
 Ion Ratio Lower Upper
 75 100
 157 104.3 73.9 110.9
 155 80.7 63.4 95.2

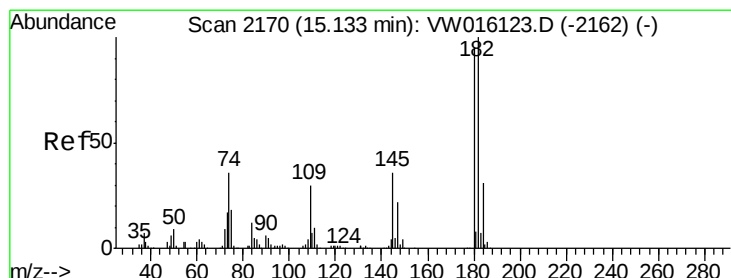
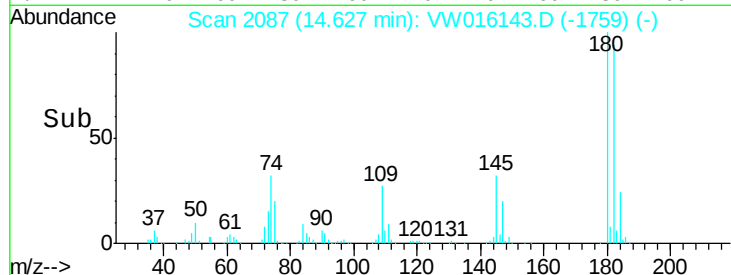
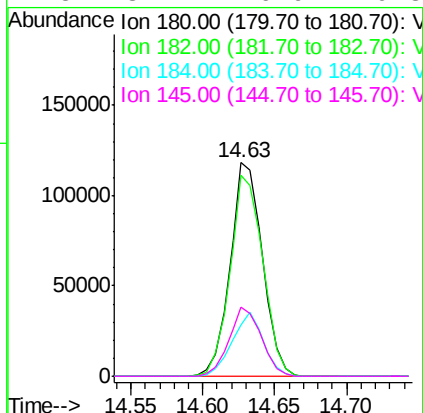
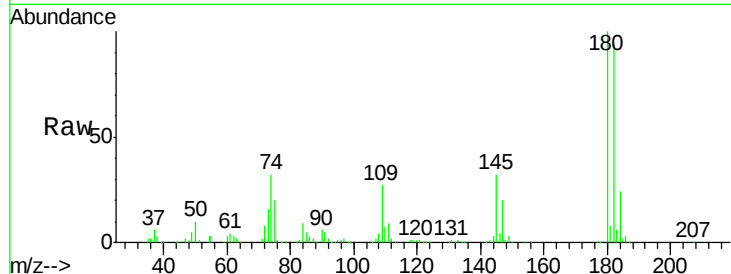




#67
 1,3,5-Trichlorobenzene
 Concen: 25.424 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW016143.D
 Acq: 11 Aug 2020 17:59

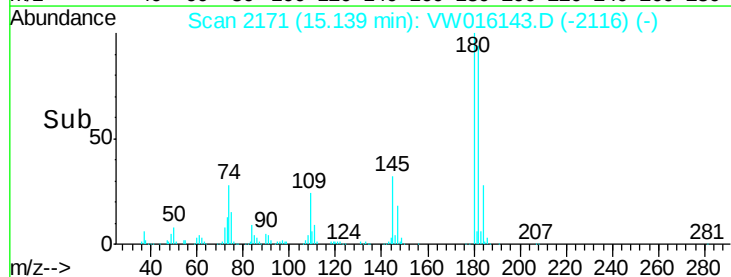
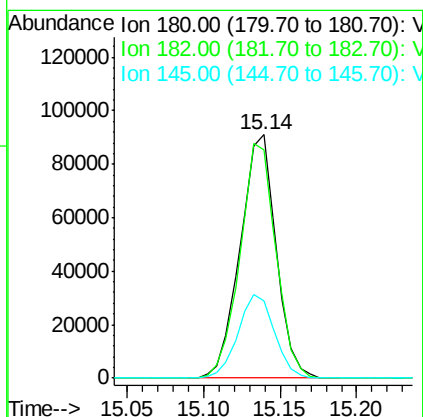
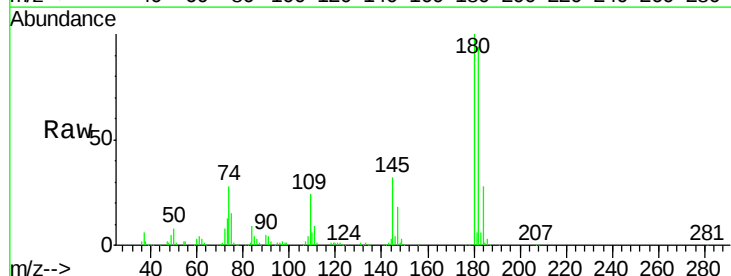
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

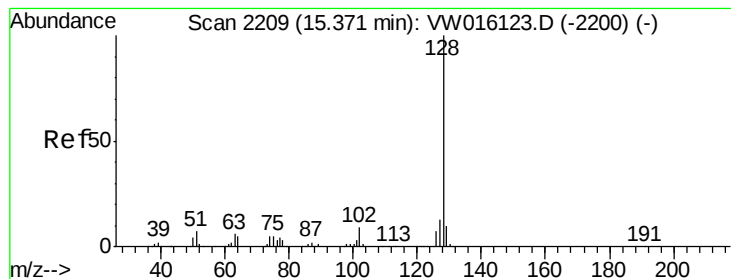
Tgt Ion	Resp	Lower	Upper
180	184392		
182	95.7	76.3	114.5
184	29.0	25.1	37.7
145	32.4	26.9	40.3



#68
 1,2,4-trichlorobenzene
 Concen: 25.262 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.01 min
 Lab File: VW016143.D
 Acq: 11 Aug 2020 17:59

Tgt Ion	Resp	Lower	Upper
180	148498		
182	96.2	77.8	116.8
145	34.7	26.5	39.7

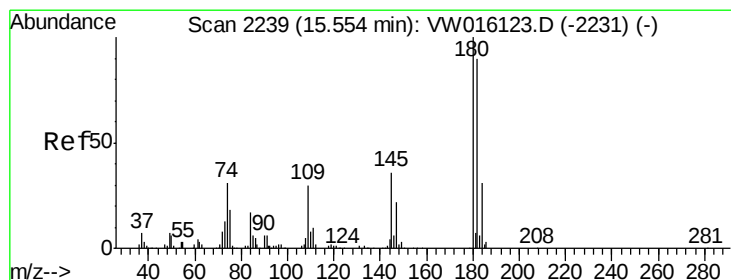
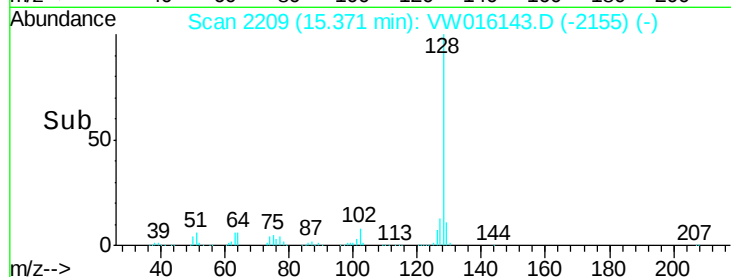
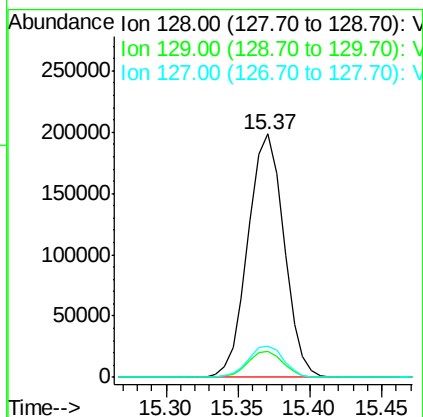
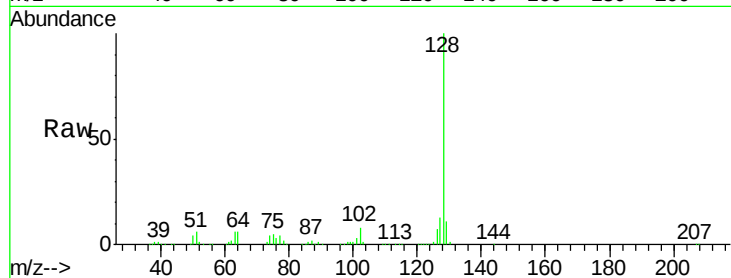




#69
Naphthalene
Concen: 27.760 ug/L
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW016143.D
Acq: 11 Aug 2020 17:59

Instrument :
MSVOA_W
ClientSampleId :
VSTD02510

Tgt Ion:128 Resp: 344442
Ion Ratio Lower Upper
128 100
129 10.6 8.8 13.2
127 12.8 10.3 15.5



#70
1,2,3-Trichlorobenzene
Concen: 25.452 ug/L
RT: 15.56 min Scan# 2240
Delta R.T. 0.01 min
Lab File: VW016143.D
Acq: 11 Aug 2020 17:59

Tgt Ion:180 Resp: 135922
Ion Ratio Lower Upper
180 100
182 94.7 76.0 114.0
145 36.7 29.9 44.9

