

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091520\
 Data File : VW016560.D
 Acq On : 15 Sep 2020 15:28
 Operator : SY/VA
 Sample : VSTD10002
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10002

Quant Time: Sep 15 15:57:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091520S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 15 15:13:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	596278	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	538258	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	270648	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.37	65	524451	85.10	ug/L	0.00
7) Chloroethane-d5	2.90	69	437138	81.41	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.04	63	1195479	85.21	ug/L	0.00
20) 2-Butanone-d5	7.09	46	294368	142.15	ug/L	0.00
24) Chloroform-d	7.66	84	1145815	86.47	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	588607	82.03	ug/L	0.00
29) Benzene-d6	8.28	84	2153525	83.35	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	595889	79.61	ug/L	0.00
37) Toluene-d8	10.33	98	2136711	86.37	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	317075	84.02	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	242137	162.28	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	520107	82.34	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	777230	86.58	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.03	85	723699	106.618	ug/L	98
3) Chloromethane	2.23	50	549790	96.262	ug/L	99
5) Vinyl chloride	2.38	62	739020	98.738	ug/L	100
6) Bromomethane	2.79	94	598036	106.734	ug/L	99
8) Chloroethane	2.94	64	450940	99.027	ug/L	100
9) Trichlorofluoromethane	3.28	101	805119	124.246	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.09	101	725324	99.834	ug/L	98
12) 1,1-Dichloroethene	4.06	96	722593	98.942	ug/L	96
13) Acetone	4.14	43	229610	160.699	ug/L	100
14) Carbon disulfide	4.40	76	2153055	96.655	ug/L	100
15) Methyl Acetate	4.68	43	287784	85.377	ug/L	100
16) Methylene chloride	4.93	84	696459	75.422	ug/L	99
17) Methyl tert-butyl Ether	5.43	73	959885	88.967	ug/L	99
18) trans-1,2-Dichloroethene	5.44	96	748719	96.812	ug/L	98
19) 1,1-Dichloroethane	6.23	63	1187698	91.498	ug/L	98
21) 2-Butanone	7.18	43	359808	153.653	ug/L	96
22) cis-1,2-Dichloroethene	7.18	96	790167	98.405	ug/L	96
23) Bromochloromethane	7.52	128	383887	102.021	ug/L	98
25) Chloroform	7.68	83	1274096	93.970	ug/L	99
27) 1,2-Dichloroethane	8.41	62	837992	93.581	ug/L	100
30) Cyclohexane	7.96	56	1080472	86.596	ug/L	100
31) 1,1,1-Trichloroethane	7.88	97	1151983	98.345	ug/L	100
32) Carbon tetrachloride	8.07	117	1158752	103.792	ug/L	99
34) Benzene	8.33	78	2649131	91.916	ug/L	100
35) Trichloroethene	9.10	95	778081	96.505	ug/L	99
36) Methylcyclohexane	9.34	83	1309811	93.253	ug/L	100
40) 1,2-Dichloropropane	9.38	63	628259	89.231	ug/L	100
41) Bromodichloromethane	9.65	83	967187	97.140	ug/L	98
42) cis-1,3-Dichloropropene	10.08	75	1132759	94.304	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	827719	169.592	ug/L	99

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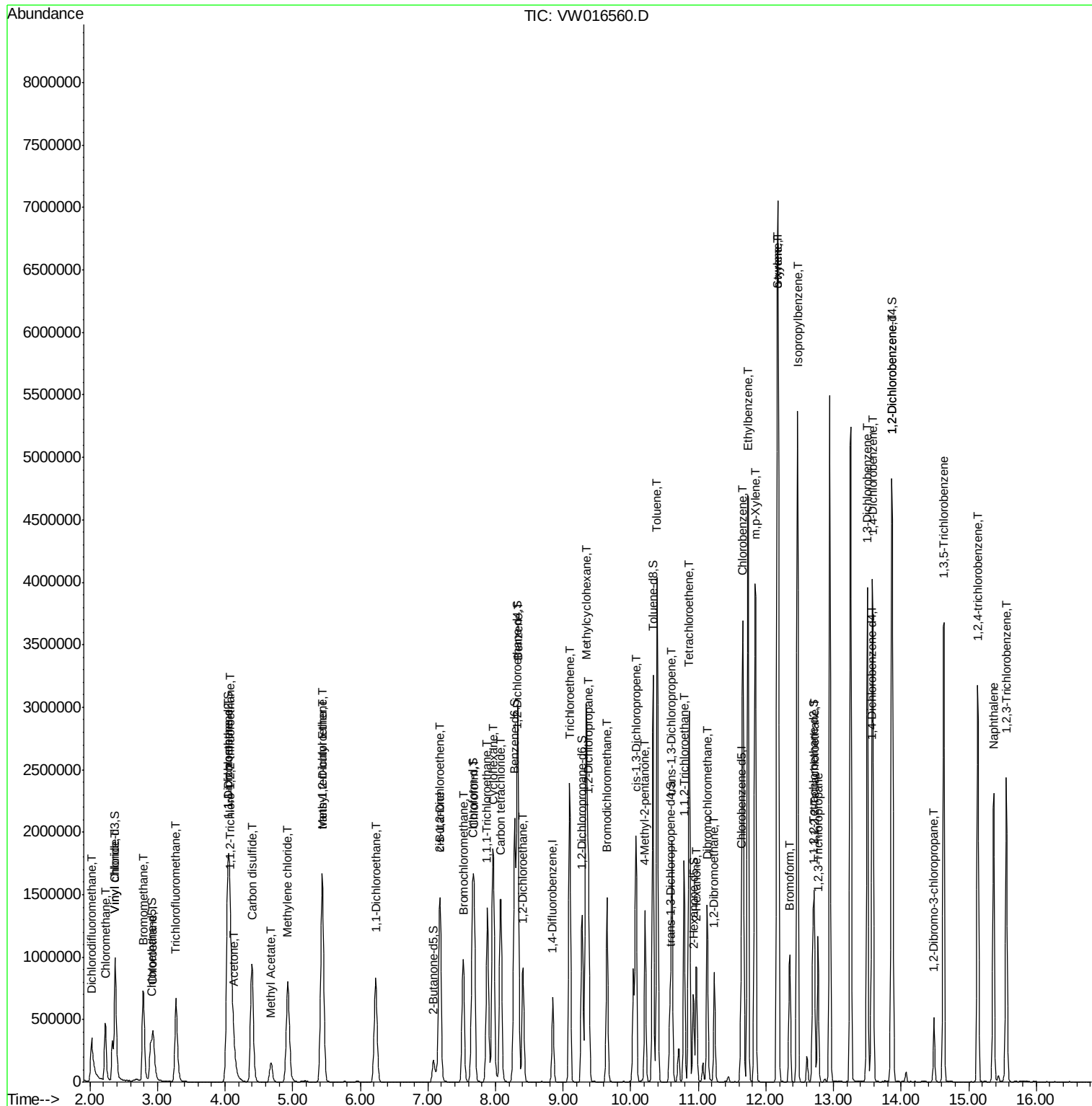
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	3029009	93.934	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	1004299	94.190	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	547276	96.855	ug/L	98
47) Tetrachloroethene	10.87	164	702329	105.562	ug/L	97
49) 2-Hexanone	10.97	43	566845	167.457	ug/L	98
50) Dibromochloromethane	11.13	129	758983	105.285	ug/L	98
51) 1,2-Dibromoethane	11.24	107	567098	100.445	ug/L	98
52) Chlorobenzene	11.66	112	2061696	99.507	ug/L	99
53) Ethylbenzene	11.73	91	3417271	93.810	ug/L	97
54) m,p-Xylene	11.84	106	1372003	97.877	ug/L	93
55) o-xylene	12.17	106	1321020	98.901	ug/L	100
56) Styrene	12.18	104	2231184	97.781	ug/L	99
57) Isopropylbenzene	12.47	105	3509437	95.622	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	624035	93.352	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	462754	92.652	ug/L	99
62) Bromoform	12.35	173	487875	108.210	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	1685617	98.915	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	1640531	97.517	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	1495721	99.018	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	117948	86.903	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	1217963	101.923	ug/L	97
68) 1,2,4-trichlorobenzene	15.13	180	1035559	100.224	ug/L	95
69) Naphthalene	15.37	128	2043951	97.642	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	902610	101.843	ug/L	99

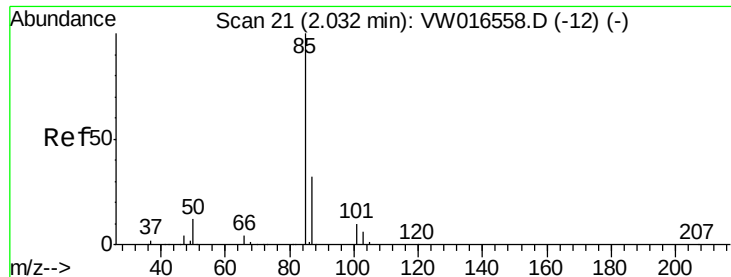
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 106.618 ug/L

RT: 2.03 min Scan# 20

Delta R.T. -0.01 min

Lab File: VW016560.D

Acq: 15 Sep 2020 15:28

Instrument :

MSVOA_W

ClientSampleId :

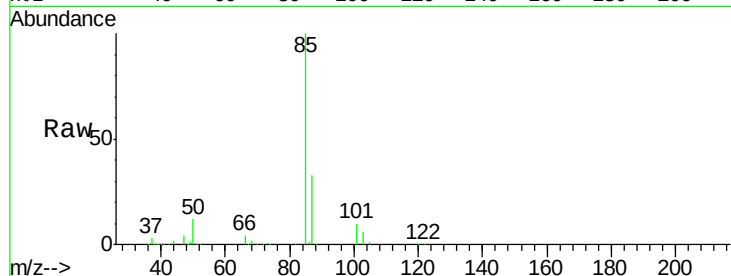
VSTD10002

Tgt Ion: 85 Resp: 723699

Ion Ratio Lower Upper

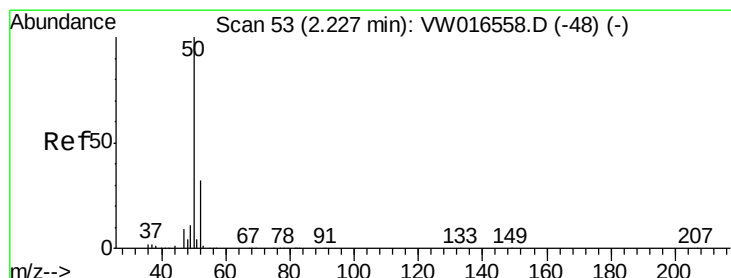
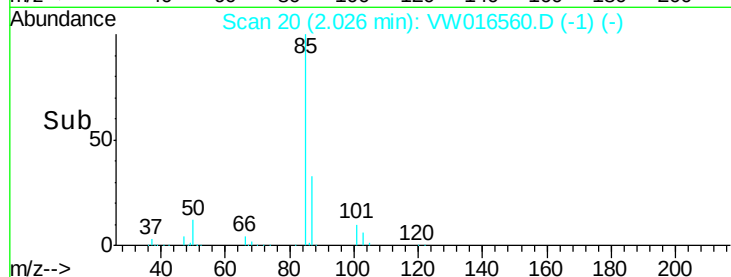
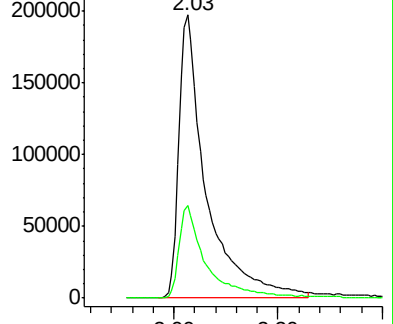
85 100

87 30.5 22.2 41.2



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 96.262 ug/L

RT: 2.23 min Scan# 53

Delta R.T. 0.00 min

Lab File: VW016560.D

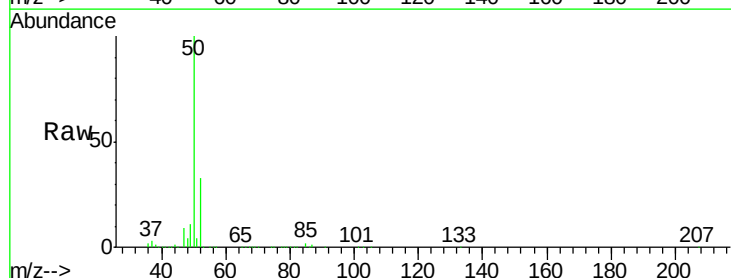
Acq: 15 Sep 2020 15:28

Tgt Ion: 50 Resp: 549790

Ion Ratio Lower Upper

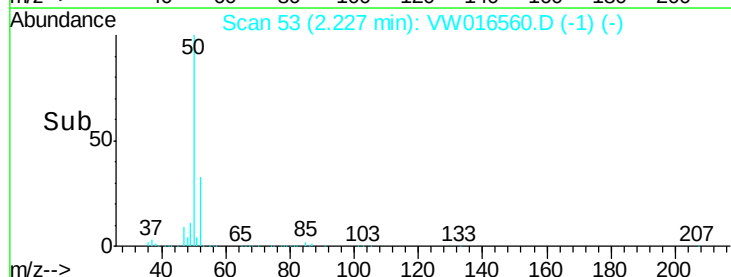
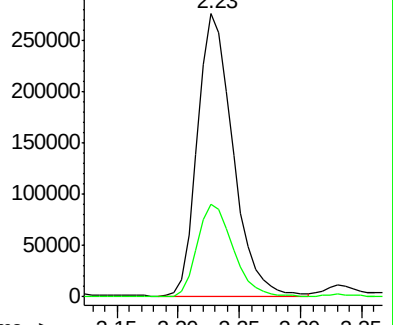
50 100

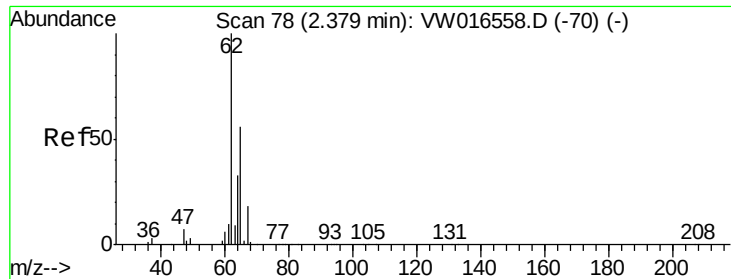
52 32.5 22.4 41.6



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 98.738 ug/L

RT: 2.38 min Scan# 78

Delta R.T. 0.00 min

Lab File: VW016560.D

Acq: 15 Sep 2020 15:28

Instrument :

MSVOA_W

ClientSampleId :

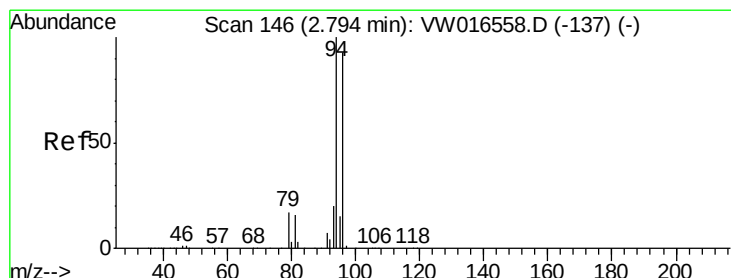
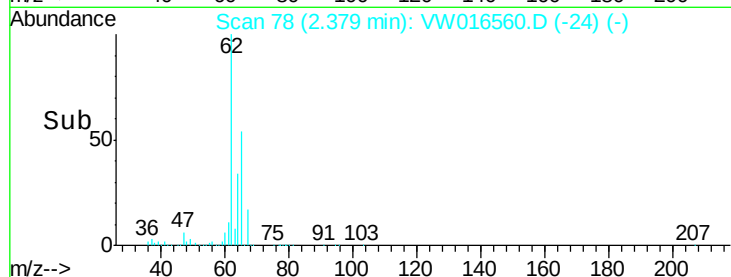
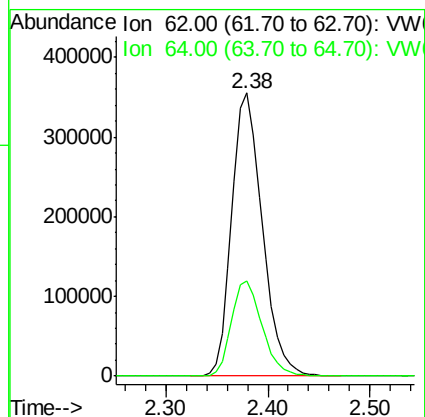
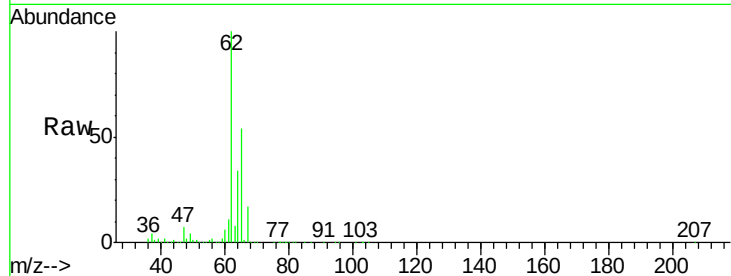
VSTD10002

Tgt Ion: 62 Resp: 739020

Ion Ratio Lower Upper

62 100

64 33.5 23.4 43.4



#6

Bromomethane

Concen: 106.734 ug/L

RT: 2.79 min Scan# 145

Delta R.T. -0.01 min

Lab File: VW016560.D

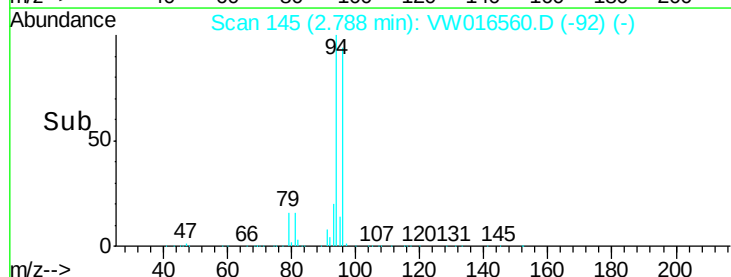
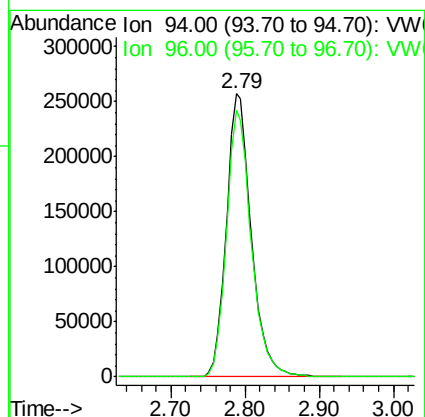
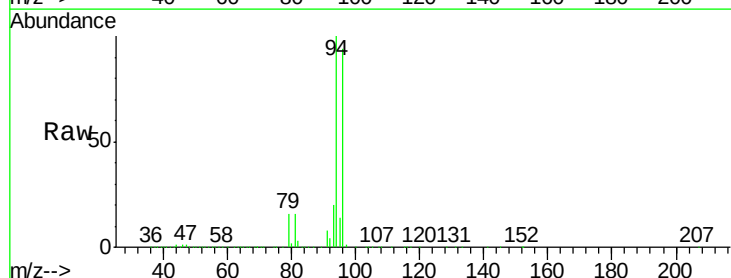
Acq: 15 Sep 2020 15:28

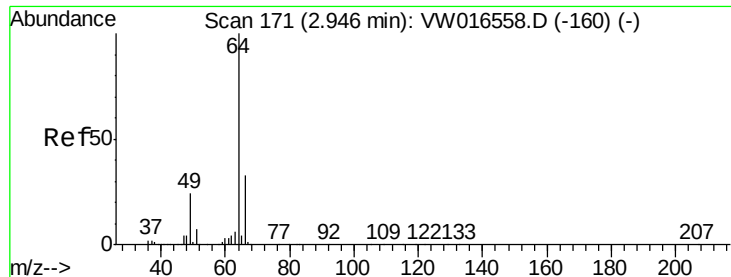
Tgt Ion: 94 Resp: 598036

Ion Ratio Lower Upper

94 100

96 94.4 9.6 181.6





#8

Chloroethane

Concen: 99.027 ug/L

RT: 2.94 min Scan# 170

Delta R.T. -0.01 min

Lab File: VW016560.D

Acq: 15 Sep 2020 15:28

Instrument :

MSVOA_W

ClientSampleId :

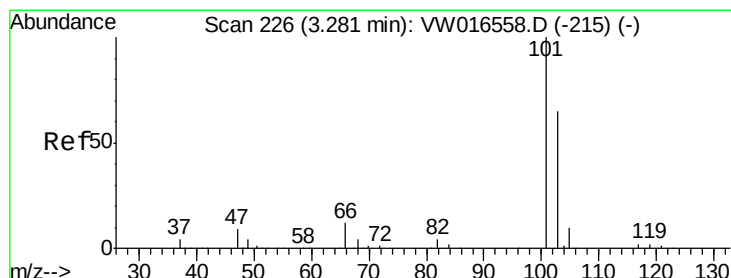
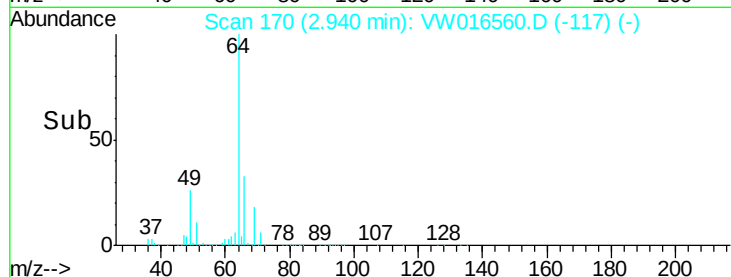
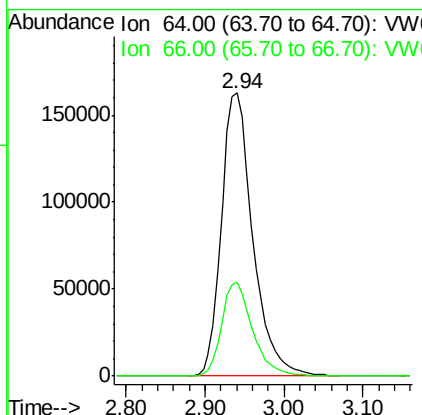
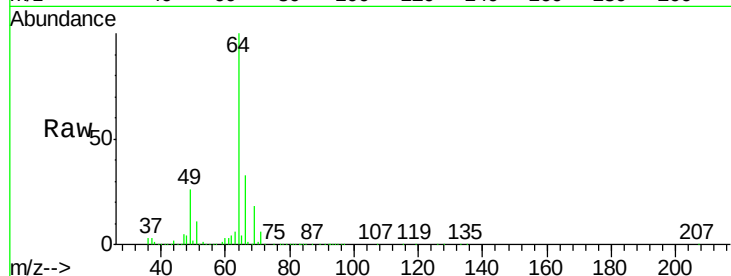
VSTD10002

Tgt Ion: 64 Resp: 450940

Ion Ratio Lower Upper

64 100

66 33.0 23.2 43.2



#9

Trichlorofluoromethane

Concen: 124.246 ug/L

RT: 3.28 min Scan# 225

Delta R.T. -0.01 min

Lab File: VW016560.D

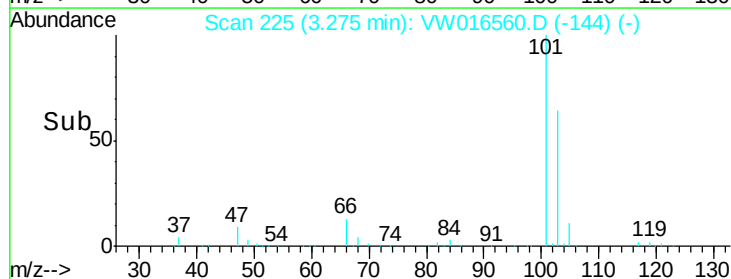
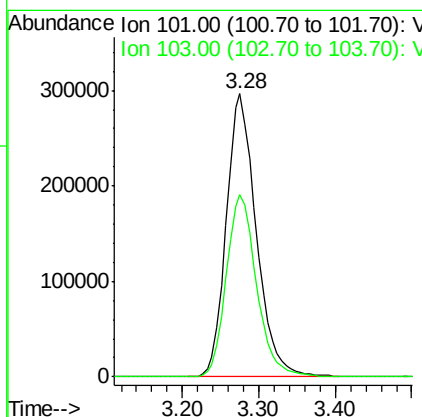
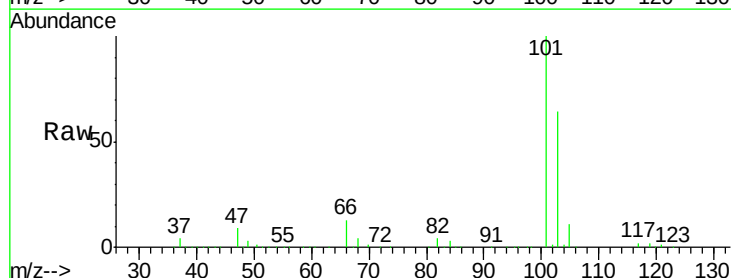
Acq: 15 Sep 2020 15:28

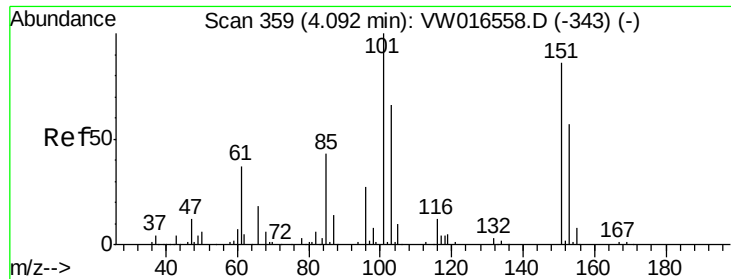
Tgt Ion: 101 Resp: 805119

Ion Ratio Lower Upper

101 100

103 64.9 45.2 84.0





#11

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

Concen: 99.834 ug/L

RT: 4.09 min Scan# 358

Delta R.T. -0.01 min

Lab File: VW016560.D

Acq: 15 Sep 2020 15:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD10002

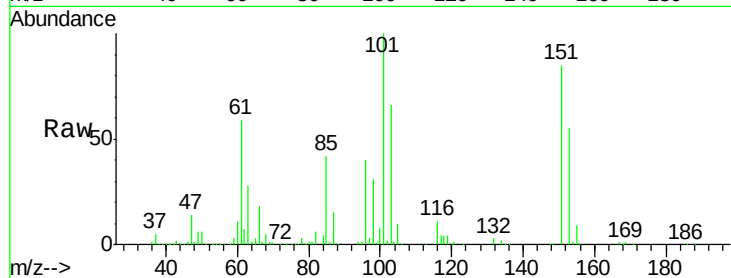
Tgt Ion: 101 Resp: 725324

Ion Ratio Lower Upper

101 100

85 42.8 32.6 49.0

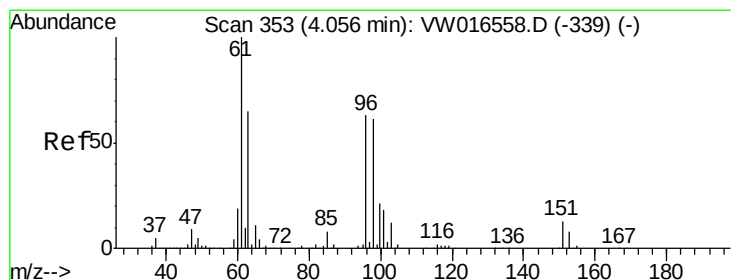
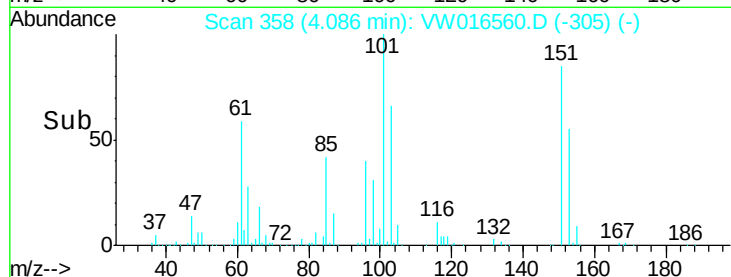
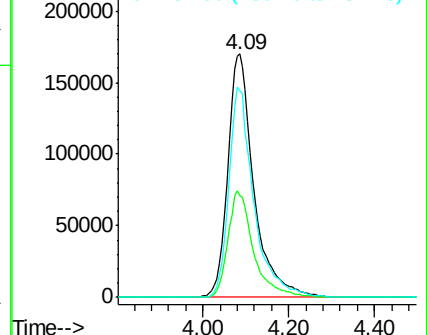
151 81.5 66.0 99.0



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: 98.942 ug/L

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW016560.D

Acq: 15 Sep 2020 15:28

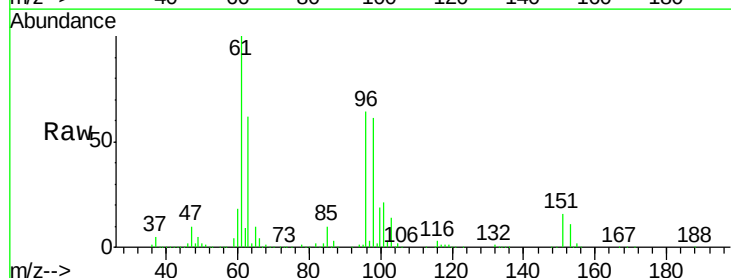
Tgt Ion: 96 Resp: 722593

Ion Ratio Lower Upper

96 100

61 156.9 111.4 206.8

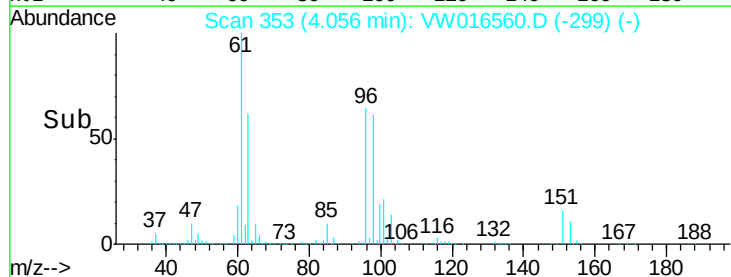
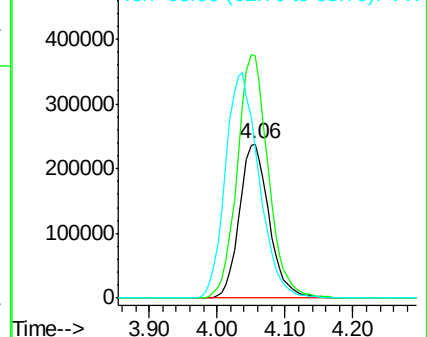
63 97.7 73.0 135.6

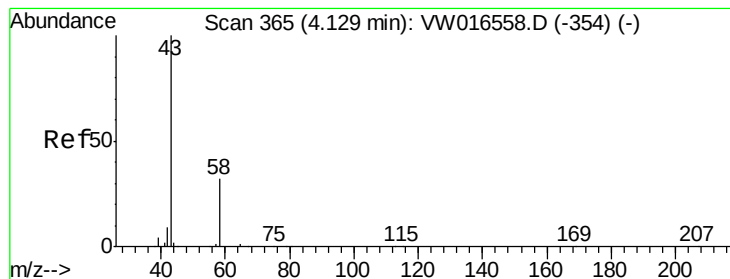


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 160.699 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

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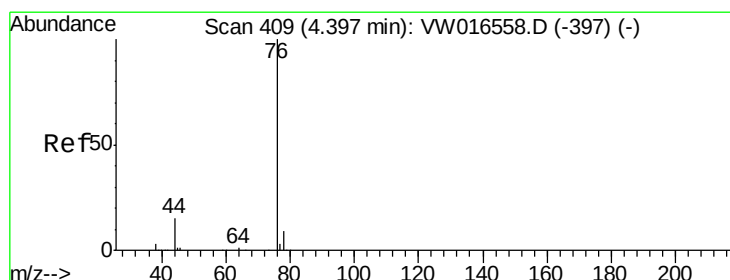
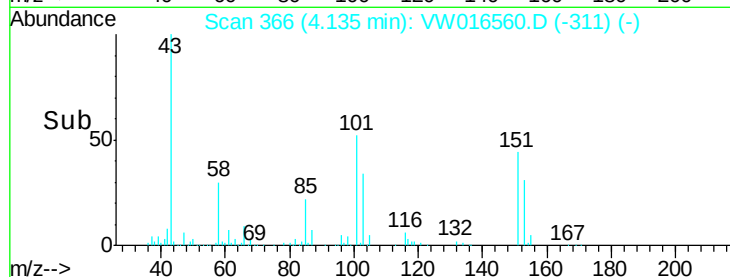
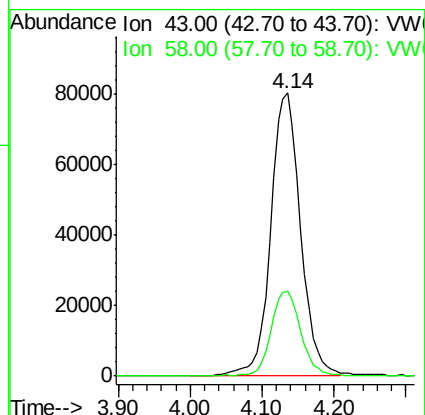
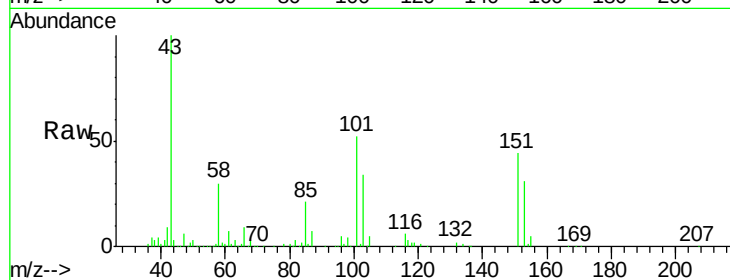
VSTD10002

Tgt Ion: 43 Resp: 229610

Ion Ratio Lower Upper

43 100

58 30.0 0.0 60.2



#14

Carbon disulfide

Concen: 96.655 ug/L

RT: 4.40 min Scan# 409

Delta R.T. 0.00 min

Lab File: VW016560.D

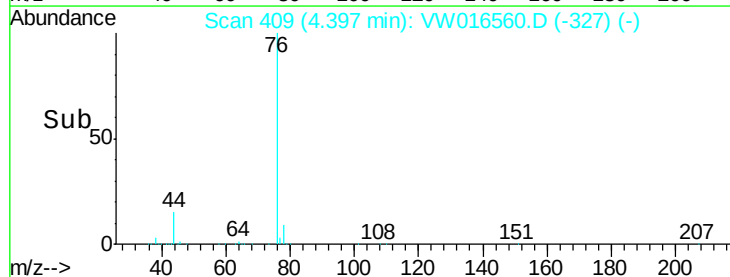
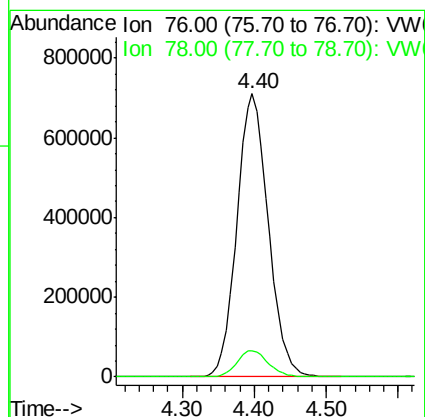
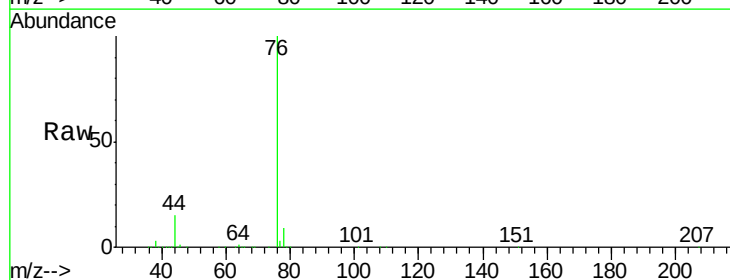
Acq: 15 Sep 2020 15:28

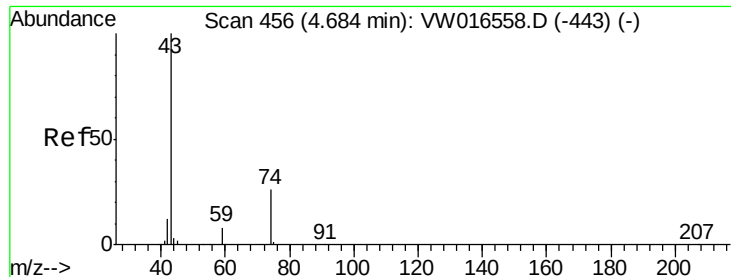
Tgt Ion: 76 Resp: 2153055

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9

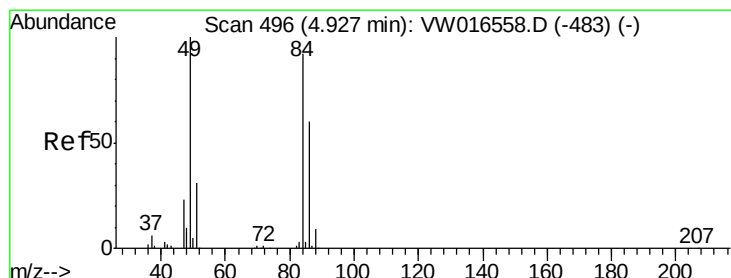
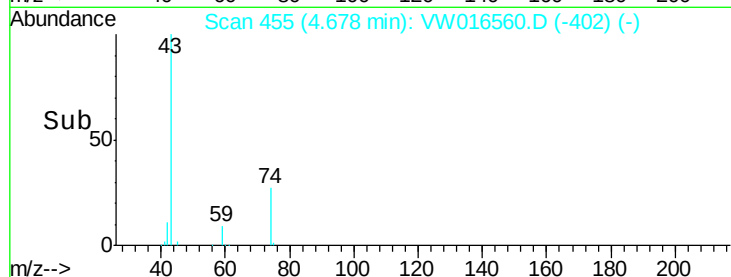
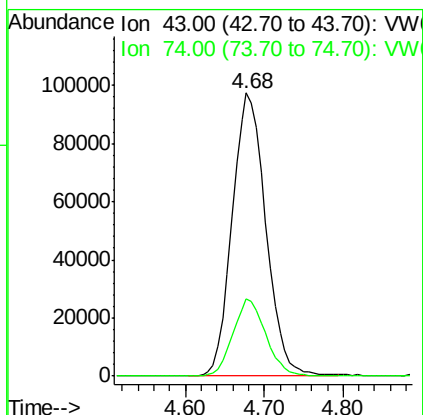
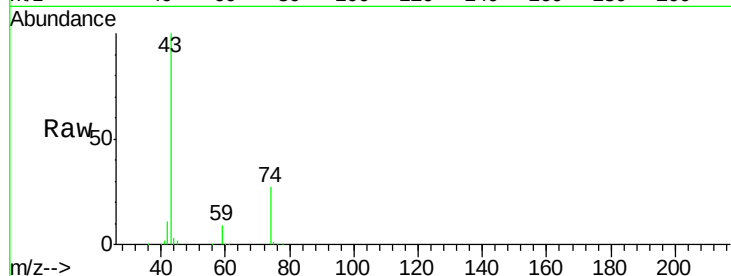




#15
Methyl Acetate
Concen: 85.377 ug/L
RT: 4.68 min Scan# 455
Delta R.T. -0.01 min
Lab File: VW016560.D
Acq: 15 Sep 2020 15:28

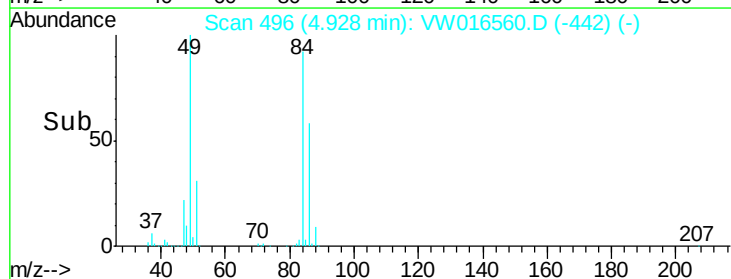
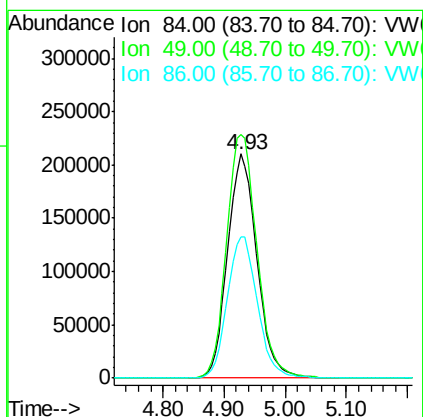
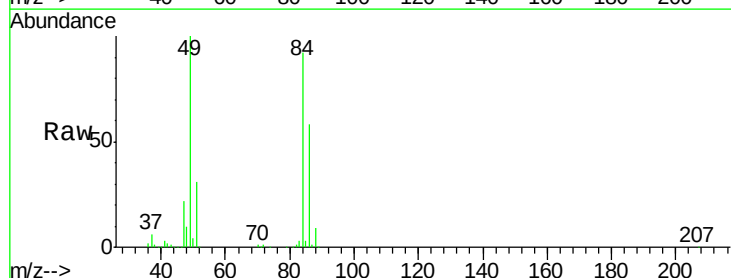
Instrument :
MSVOA_W
ClientSampled :
VSTD10002

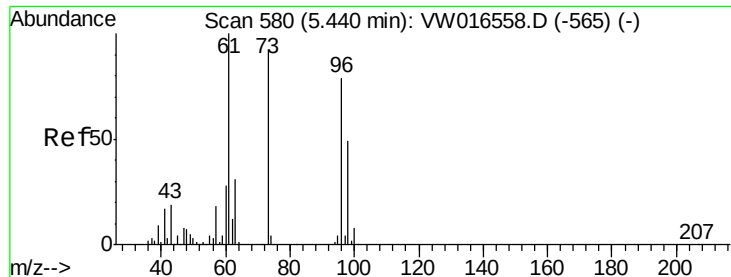
Tgt Ion: 43 Resp: 287784
Ion Ratio Lower Upper
43 100
74 26.8 21.5 32.3



#16
Methylene chloride
Concen: 75.422 ug/L
RT: 4.93 min Scan# 496
Delta R.T. 0.00 min
Lab File: VW016560.D
Acq: 15 Sep 2020 15:28

Tgt Ion: 84 Resp: 696459
Ion Ratio Lower Upper
84 100
49 108.6 76.0 141.2
86 62.8 45.6 84.6

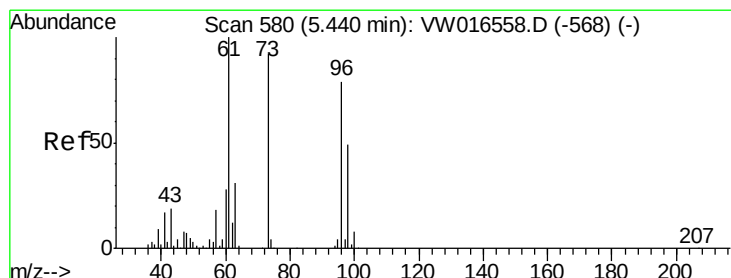
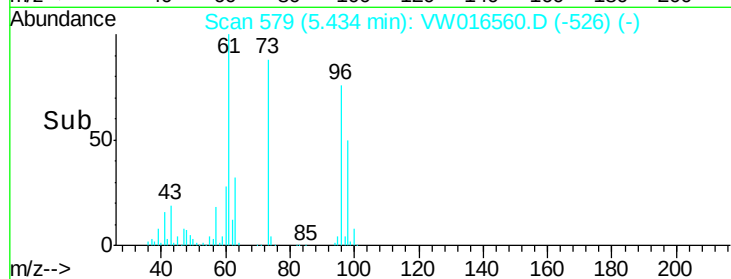
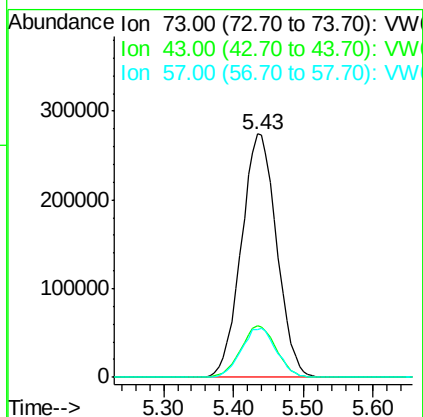
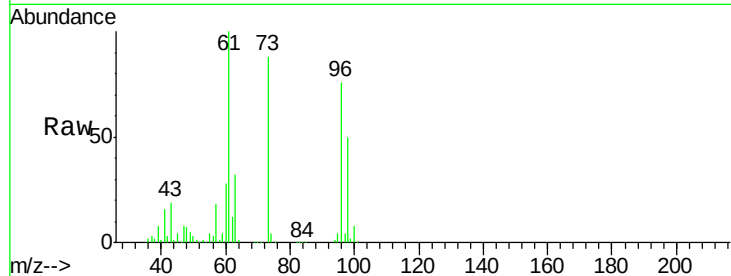




#17
Methyl tert-butyl Ether
Concen: 88.967 ug/L
RT: 5.43 min Scan# 579
Delta R.T. -0.01 min
Lab File: VW016560.D
Acq: 15 Sep 2020 15:28

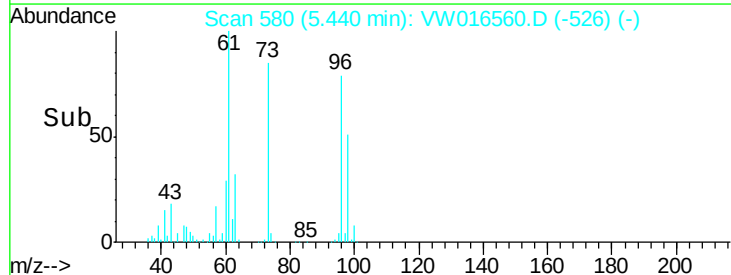
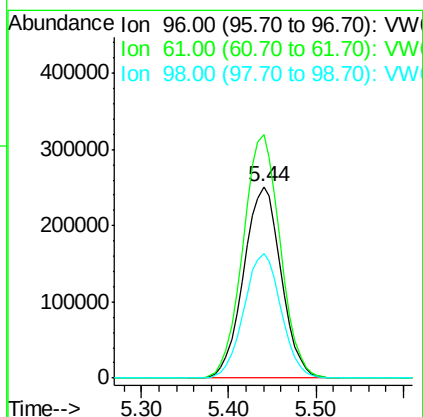
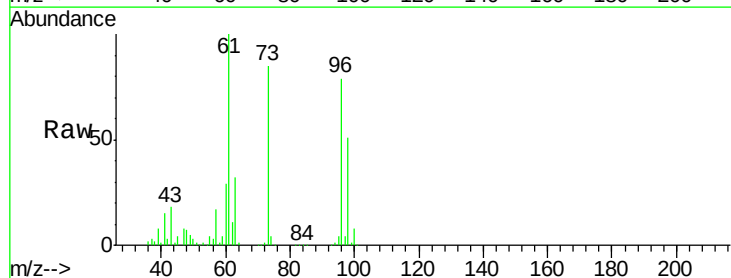
Instrument :
MSVOA_W
ClientSampled :
VSTD10002

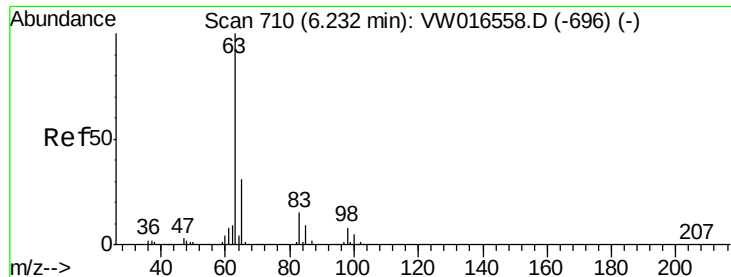
Tgt Ion	Ratio	Lower	Upper
73	100		
43	21.2	17.2	25.8
57	20.2	16.3	24.5



#18
trans-1,2-Dichloroethene
Concen: 96.812 ug/L
RT: 5.44 min Scan# 580
Delta R.T. 0.00 min
Lab File: VW016560.D
Acq: 15 Sep 2020 15:28

Tgt Ion	Ratio	Lower	Upper
96	100		
61	127.2	88.4	164.2
98	64.9	43.0	80.0

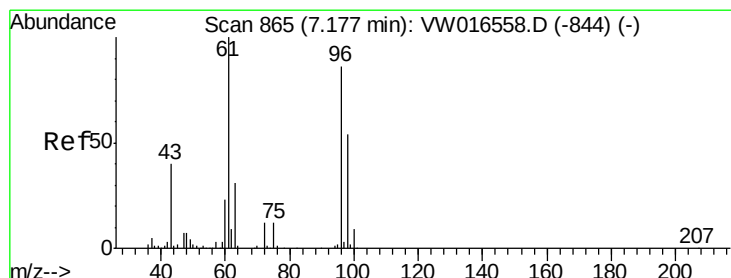
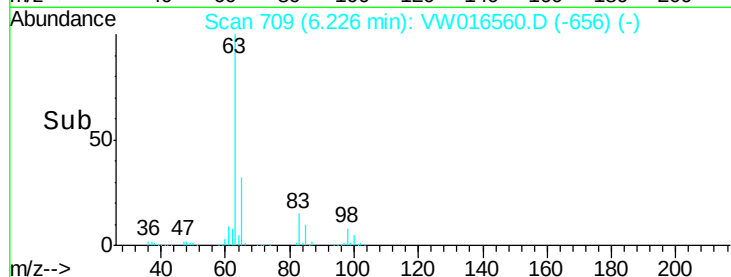
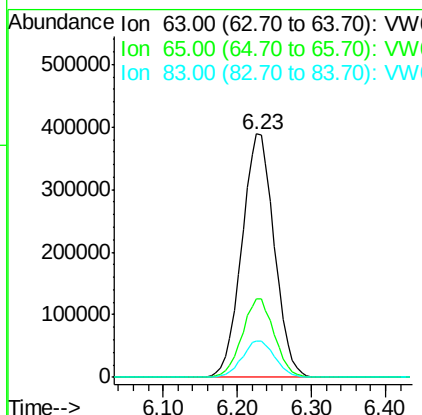
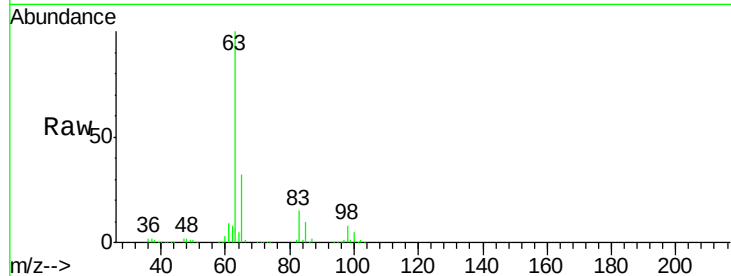




#19
 1,1-Dichloroethane
 Concen: 91.498 ug/L
 RT: 6.23 min Scan# 709
 Delta R.T. -0.01 min
 Lab File: VW016560.D
 Acq: 15 Sep 2020 15:28

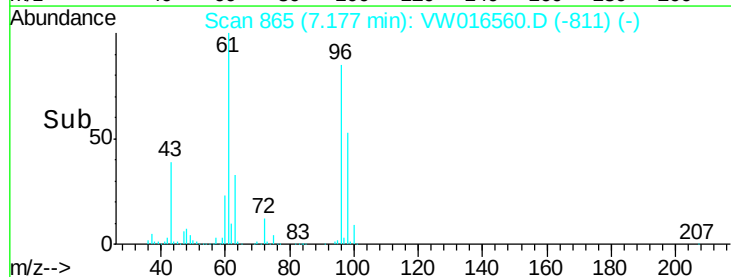
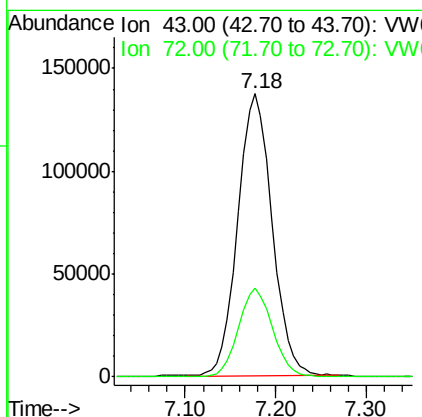
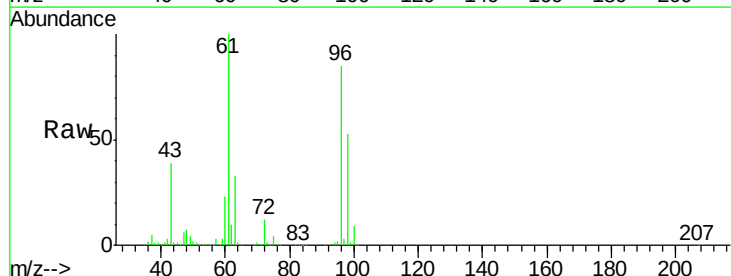
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD10002

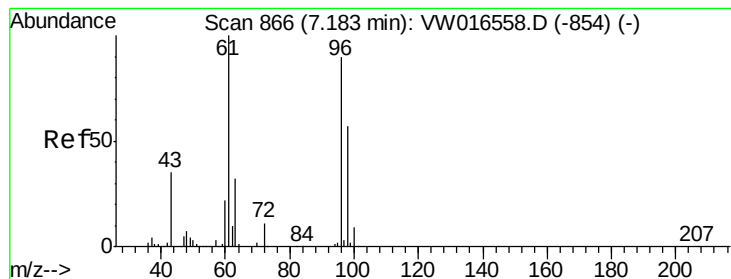
Tgt Ion: 63 Resp: 1187698
 Ion Ratio Lower Upper
 63 100
 65 32.3 21.6 40.0
 83 14.7 10.4 19.2



#21
 2-Butanone
 Concen: 153.653 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. 0.00 min
 Lab File: VW016560.D
 Acq: 15 Sep 2020 15:28

Tgt Ion: 43 Resp: 359808
 Ion Ratio Lower Upper
 43 100
 72 31.4 14.6 43.8



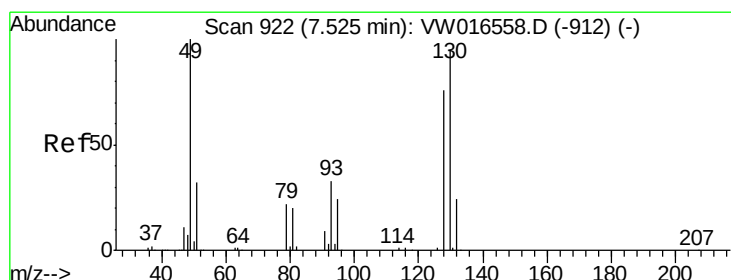
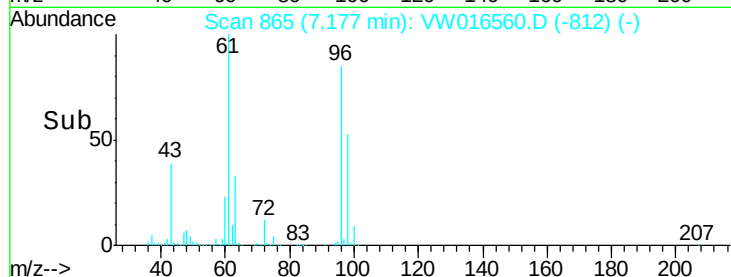
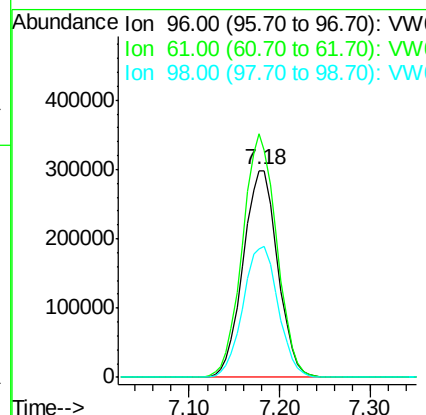
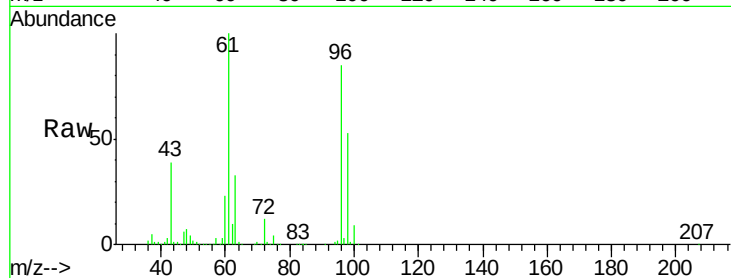


#22

cis-1,2-Dichloroethene
 Concen: 98.405 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. -0.01 min
 Lab File: VW016560.D
 Acq: 15 Sep 2020 15:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10002

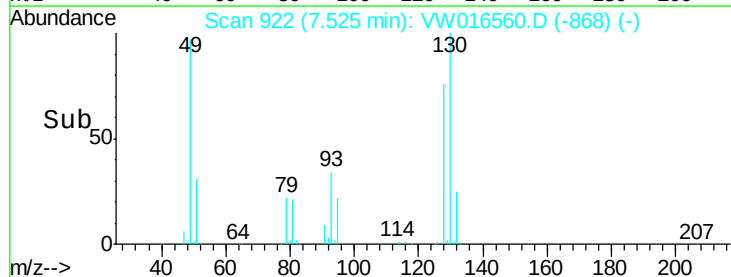
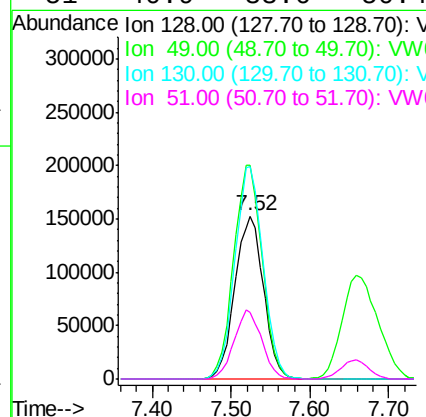
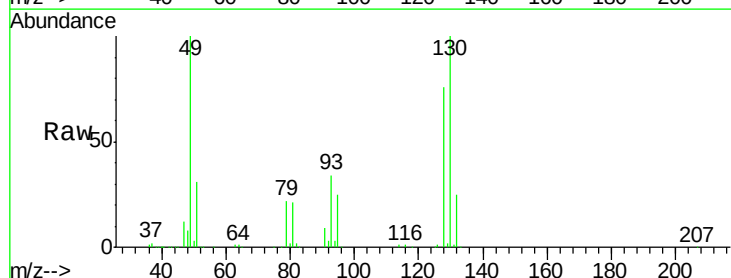
Tgt Ion: 96 Resp: 790167
 Ion Ratio Lower Upper
 96 100
 61 117.6 78.4 145.6
 98 61.8 44.8 83.2

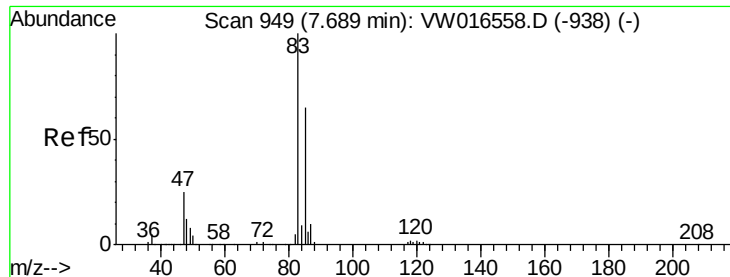


#23

Bromochloromethane
 Concen: 102.021 ug/L
 RT: 7.52 min Scan# 922
 Delta R.T. 0.00 min
 Lab File: VW016560.D
 Acq: 15 Sep 2020 15:28

Tgt Ion: 128 Resp: 383887
 Ion Ratio Lower Upper
 128 100
 49 131.3 92.1 171.1
 130 130.9 87.8 163.0
 51 40.9 33.6 50.4

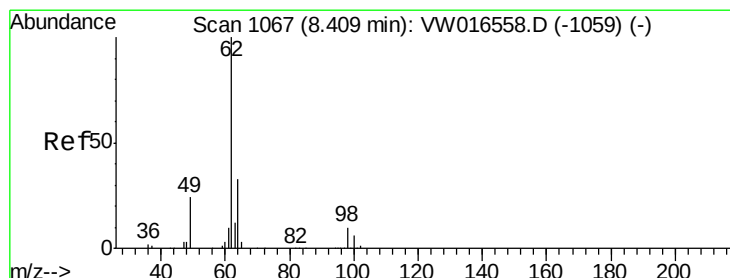
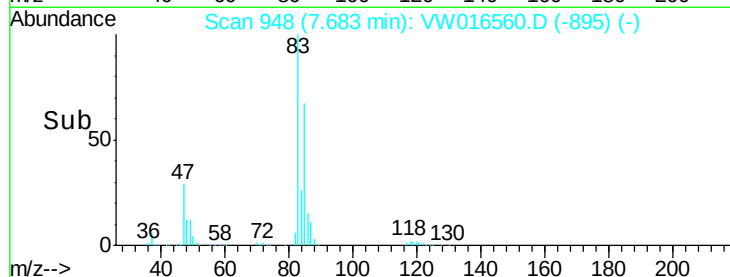
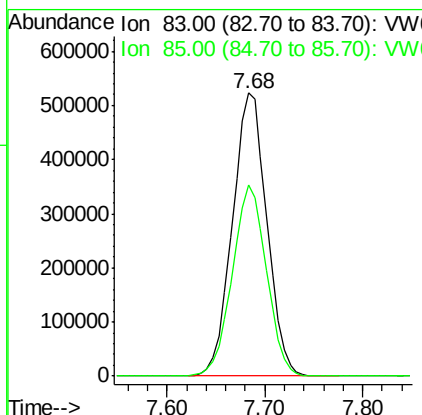
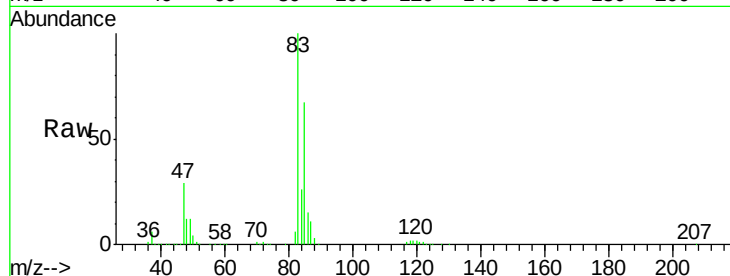




#25
Chloroform
Concen: 93.970 ug/L
RT: 7.68 min Scan# 948
Delta R.T. -0.01 min
Lab File: VW016560.D
Acq: 15 Sep 2020 15:28

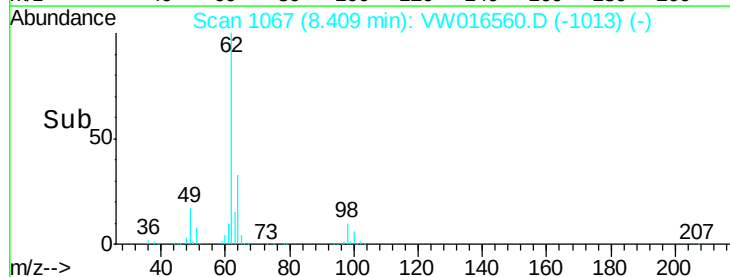
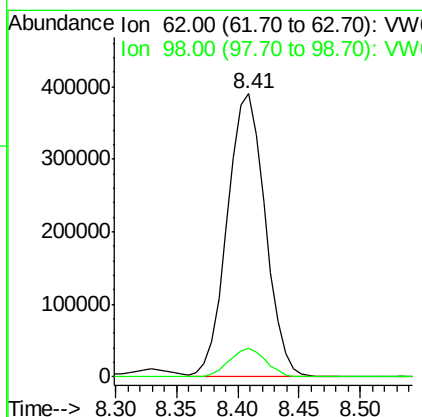
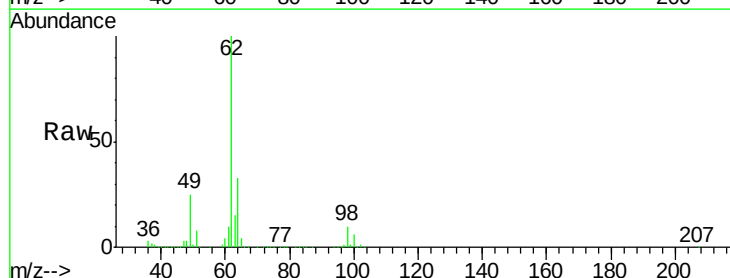
Instrument :
MSVOA_W
ClientSampleId :
VSTD10002

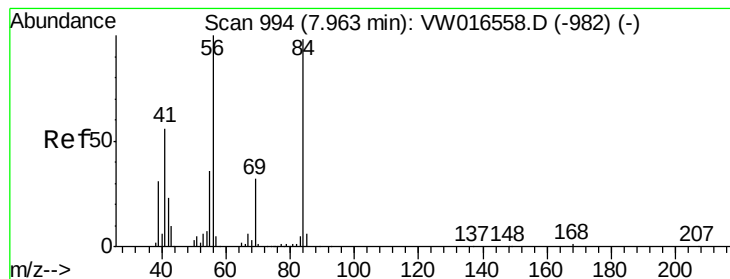
Tgt Ion: 83 Resp: 1274096
Ion Ratio Lower Upper
83 100
85 66.9 46.1 85.5



#27
1,2-Dichloroethane
Concen: 93.581 ug/L
RT: 8.41 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VW016560.D
Acq: 15 Sep 2020 15:28

Tgt Ion: 62 Resp: 837992
Ion Ratio Lower Upper
62 100
98 9.9 7.9 11.9





#30

Cyclohexane

Concen: 86.596 ug/L

RT: 7.96 min Scan# 994

Delta R.T. 0.00 min

Lab File: VW016560.D

Acq: 15 Sep 2020 15:28

Instrument :

MSVOA_W

ClientSampled :

VSTD10002

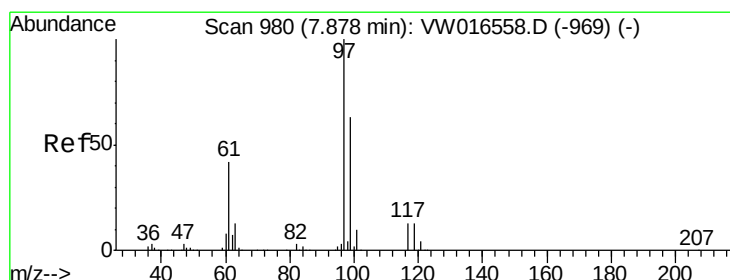
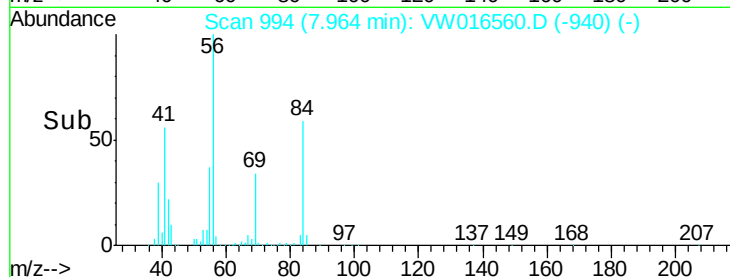
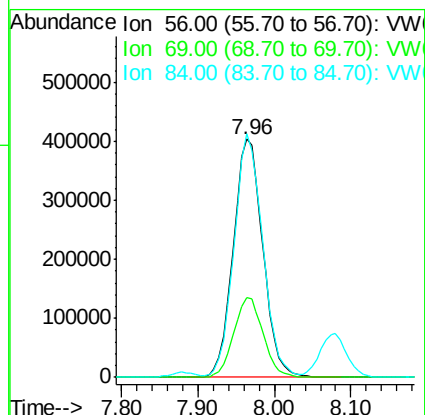
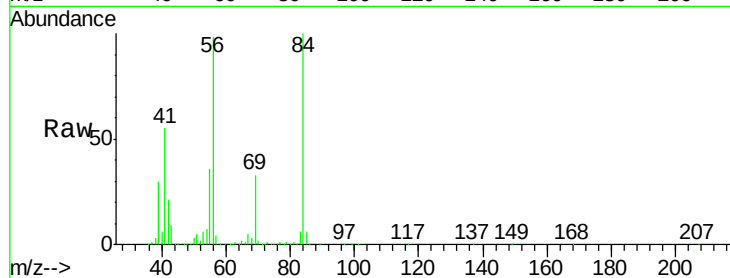
Tgt Ion: 56 Resp: 1080472

Ion Ratio Lower Upper

56 100

69 33.2 26.5 39.7

84 98.8 79.0 118.6



#31

1,1,1-Trichloroethane

Concen: 98.345 ug/L

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW016560.D

Acq: 15 Sep 2020 15:28

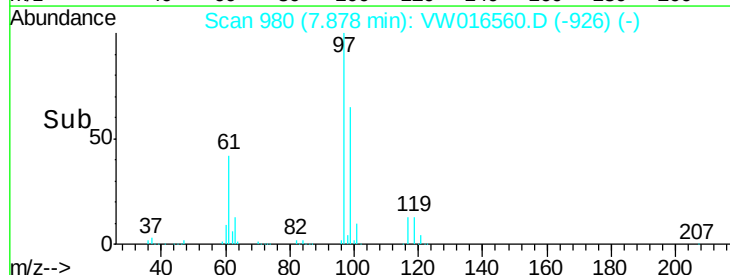
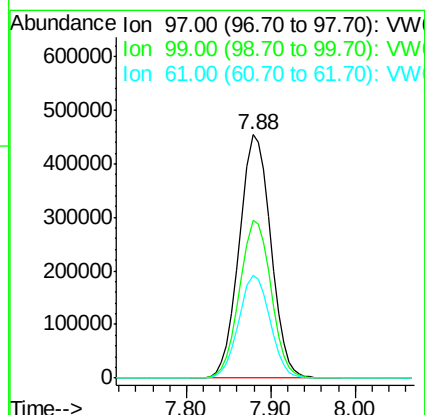
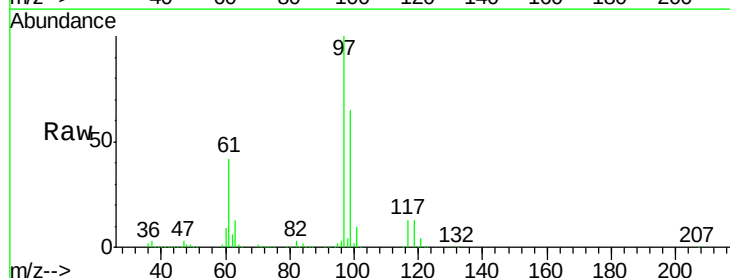
Tgt Ion: 97 Resp: 1151983

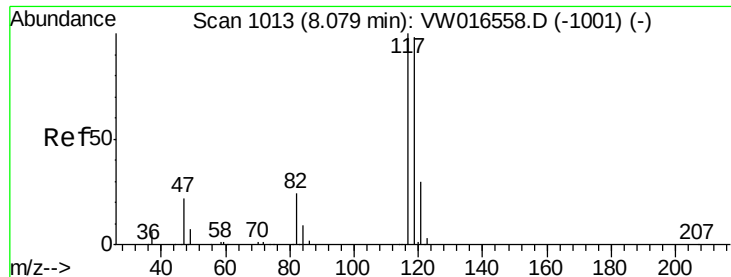
Ion Ratio Lower Upper

97 100

99 64.8 51.8 77.6

61 42.2 33.6 50.4





#32

Carbon tetrachloride

Concen: 103.792 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. -0.01 min

Lab File: VW016560.D

Acq: 15 Sep 2020 15:28

Instrument :

MSVOA_W

ClientSampled :

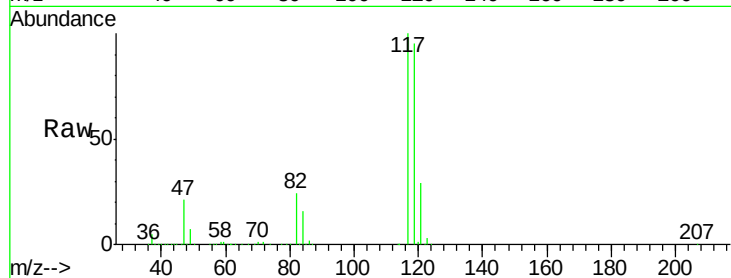
VSTD10002

Tgt Ion:117 Resp: 1158752

Ion Ratio Lower Upper

117 100

119 97.0 78.2 117.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

500000

400000

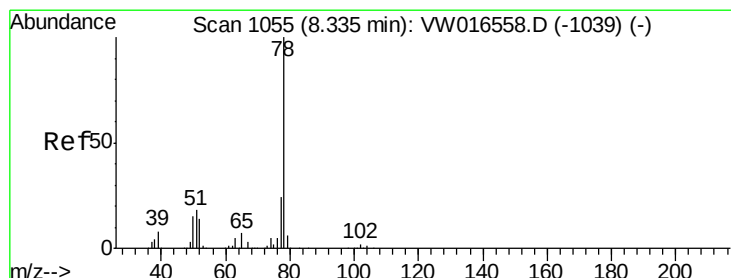
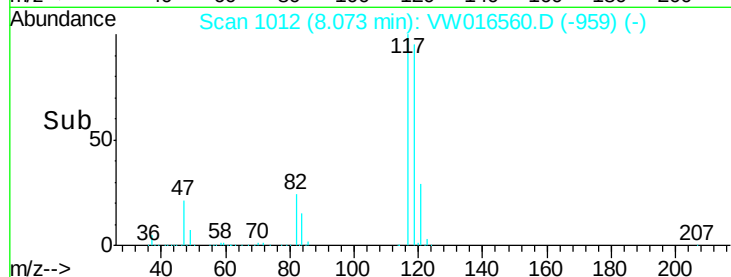
300000

200000

100000

0

Time--> 7.90 8.00 8.10 8.20



#34

Benzene

Concen: 91.916 ug/L

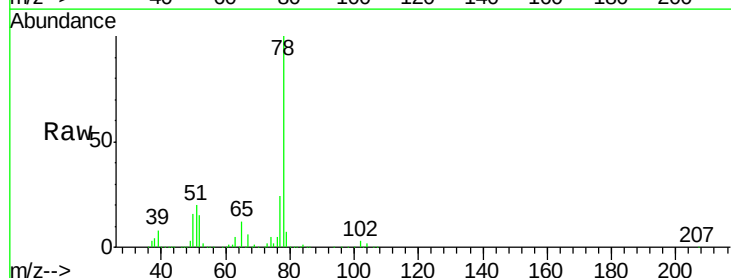
RT: 8.33 min Scan# 1054

Delta R.T. -0.01 min

Lab File: VW016560.D

Acq: 15 Sep 2020 15:28

Tgt Ion: 78 Resp: 2649131



Abundance Ion 78.00 (77.70 to 78.70): VW

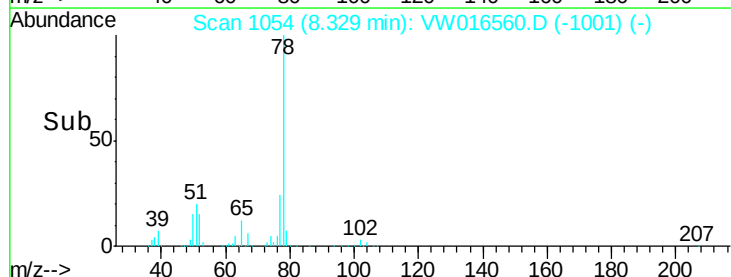
8.33

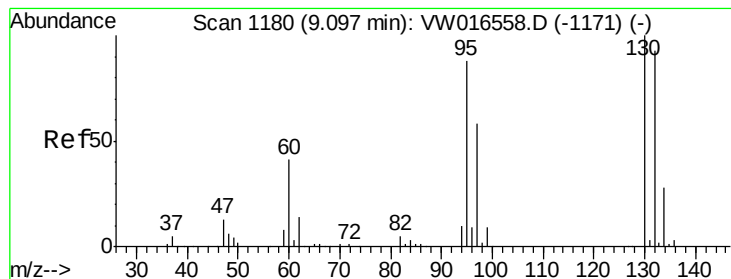
1000000

500000

0

Time--> 8.20 8.30 8.40





#35

Trichloroethene

Concen: 96.505 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VW016560.D

Acq: 15 Sep 2020 15:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD10002

Tgt Ion: 95 Resp: 778081

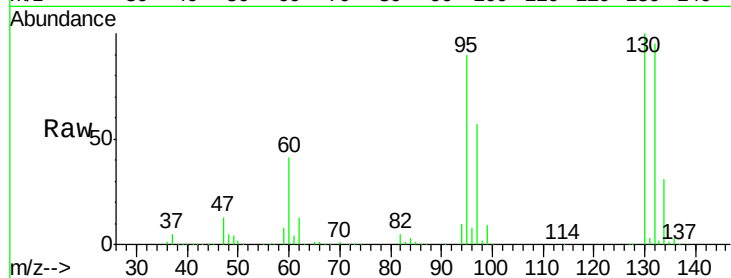
Ion Ratio Lower Upper

95 100

97 65.1 45.2 84.0

132 107.0 73.3 136.1

130 109.9 77.5 143.9

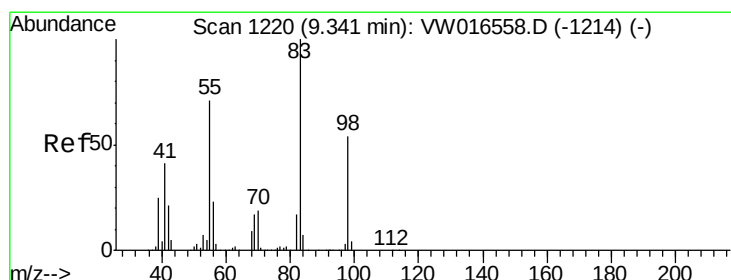
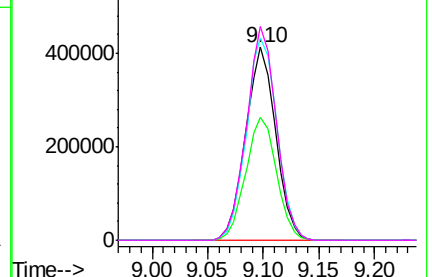
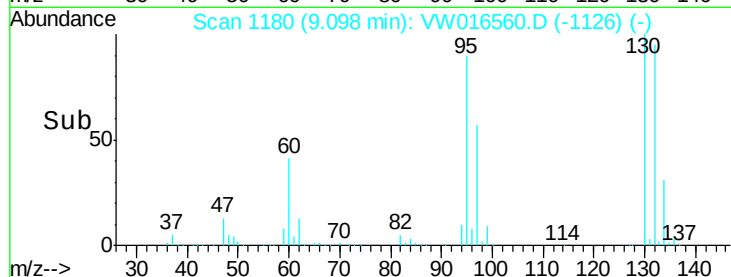


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 93.253 ug/L

RT: 9.34 min Scan# 1220

Delta R.T. 0.00 min

Lab File: VW016560.D

Acq: 15 Sep 2020 15:28

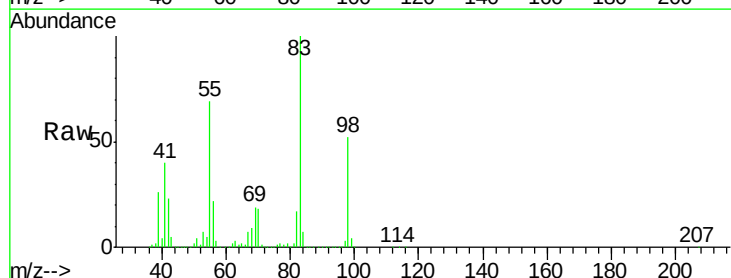
Tgt Ion: 83 Resp: 1309811

Ion Ratio Lower Upper

83 100

55 69.3 55.9 83.9

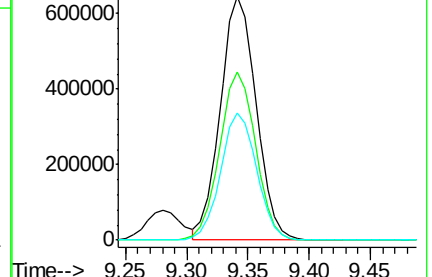
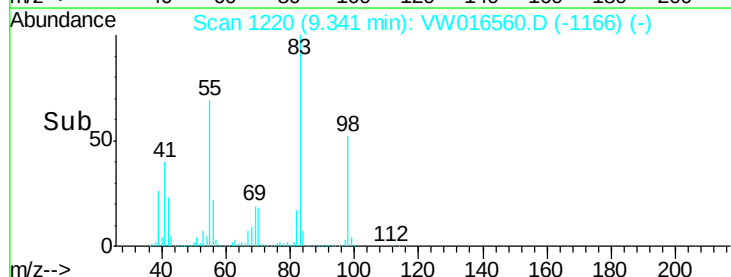
98 52.5 42.1 63.1

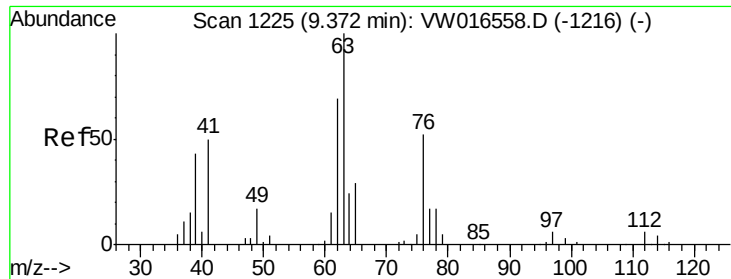


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

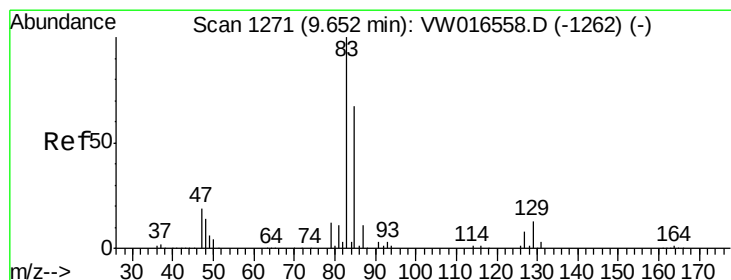
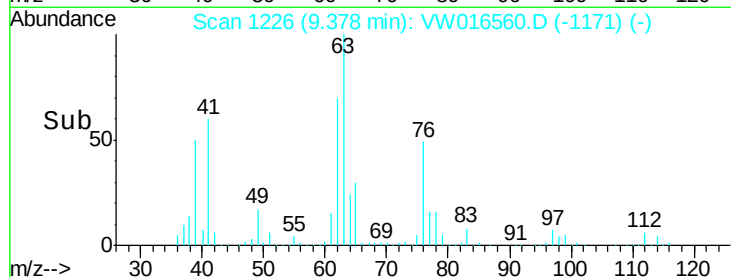
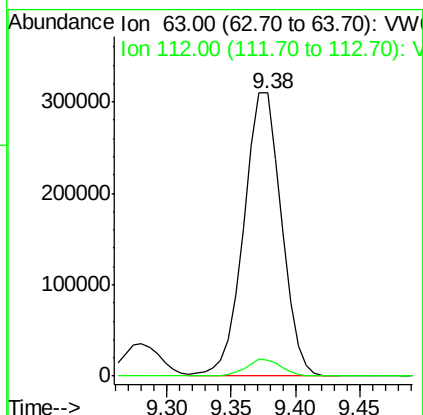
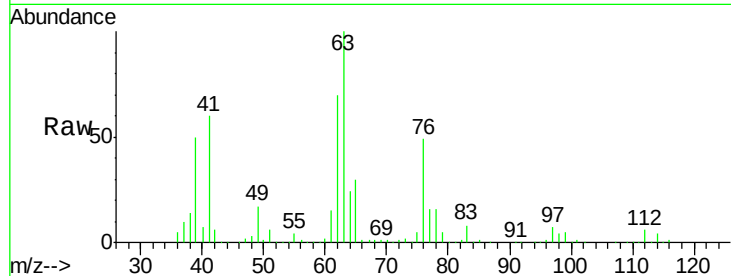




#40
 1,2-Dichloropropane
 Concen: 89.231 ug/L
 RT: 9.38 min Scan# 1226
 Delta R.T. 0.01 min
 Lab File: VW016560.D
 Acq: 15 Sep 2020 15:28

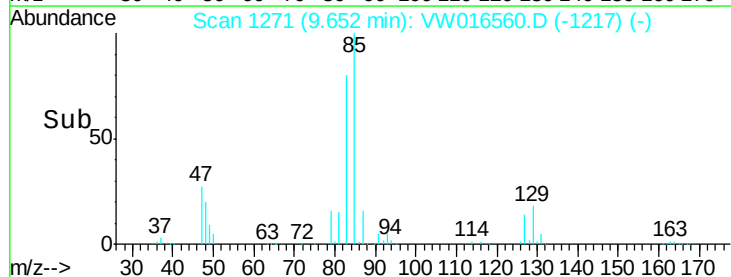
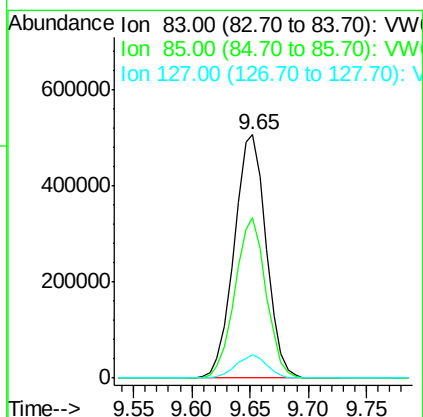
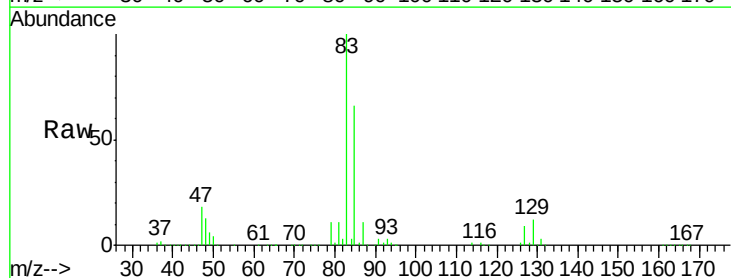
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD10002

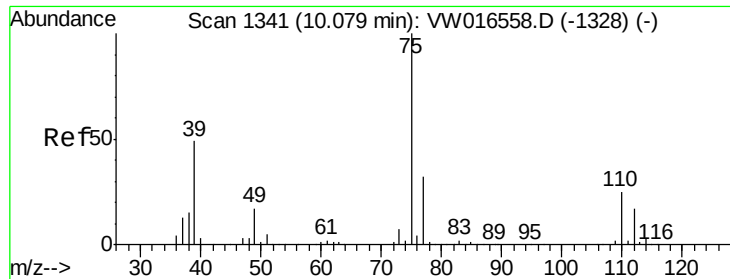
Tgt Ion: 63 Resp: 628259
 Ion Ratio Lower Upper
 63 100
 112 5.5 4.5 6.7



#41
 Bromodichloromethane
 Concen: 97.140 ug/L
 RT: 9.65 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VW016560.D
 Acq: 15 Sep 2020 15:28

Tgt Ion: 83 Resp: 967187
 Ion Ratio Lower Upper
 83 100
 85 65.6 46.8 86.8
 127 9.5 6.8 10.2

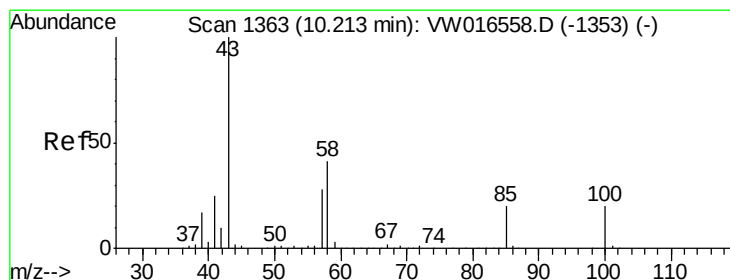
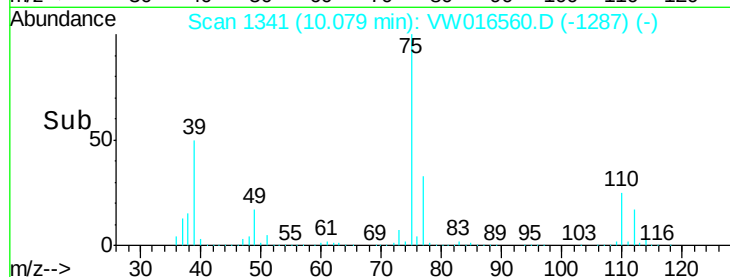
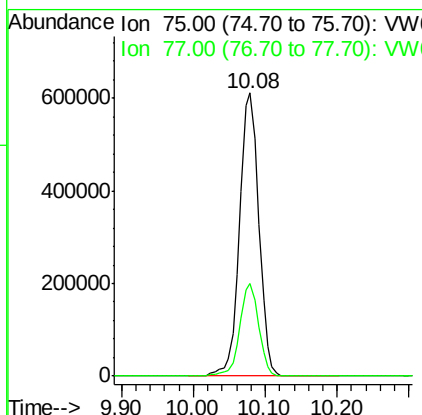
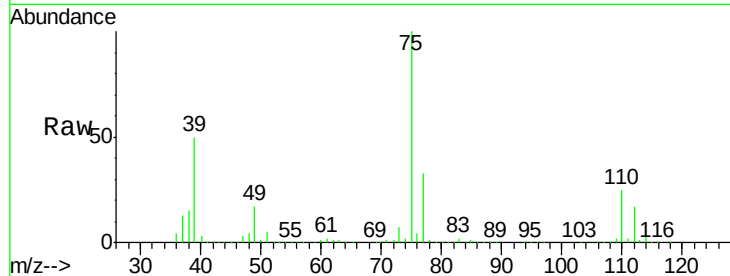




#42
 cis-1,3-Dichloropropene
 Concen: 94.304 ug/L
 RT: 10.08 min Scan# 1341
 Delta R.T. 0.00 min
 Lab File: VW016560.D
 Acq: 15 Sep 2020 15:28

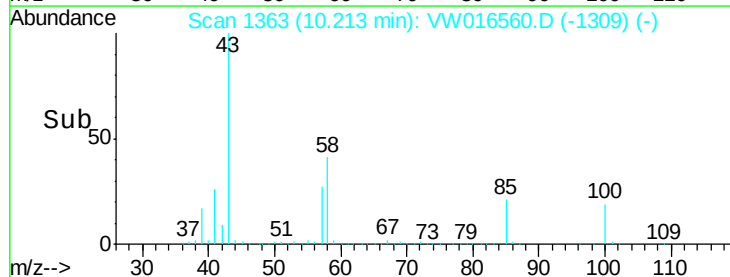
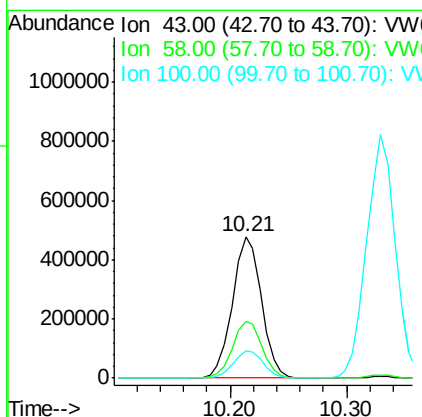
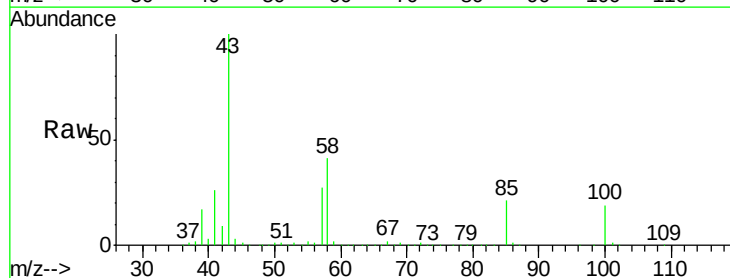
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10002

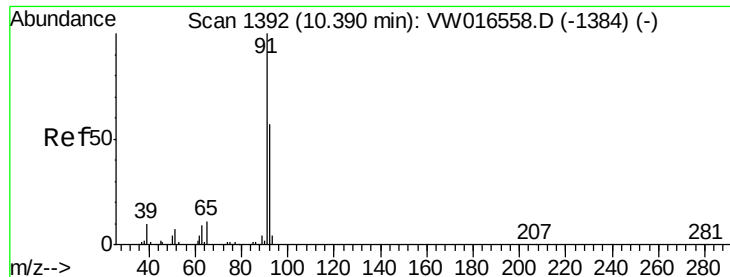
Tgt Ion: 75 Resp: 1132759
 Ion Ratio Lower Upper
 75 100
 77 32.8 22.2 41.2



#43
 4-Methyl-2-pentanone
 Concen: 169.592 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW016560.D
 Acq: 15 Sep 2020 15:28

Tgt Ion: 43 Resp: 827719
 Ion Ratio Lower Upper
 43 100
 58 41.0 32.2 48.4
 100 19.7 15.8 23.6





#44

Toluene

Concen: 93.934 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016560.D

Acq: 15 Sep 2020 15:28

Instrument :

MSVOA_W

ClientSampleId :

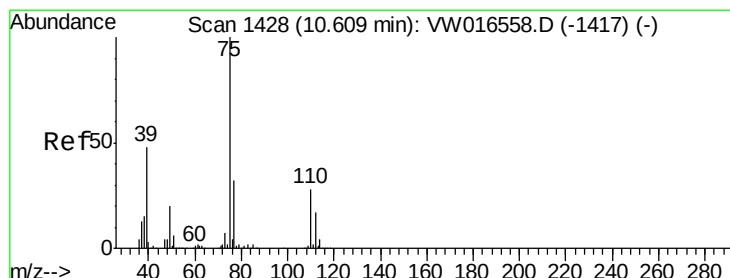
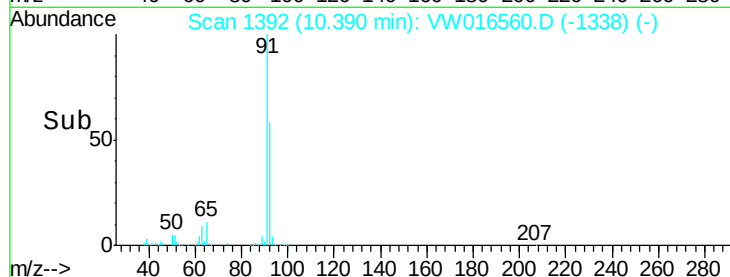
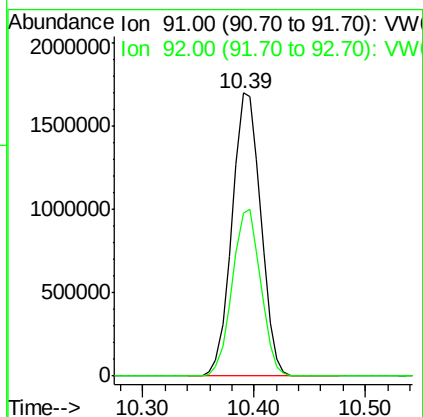
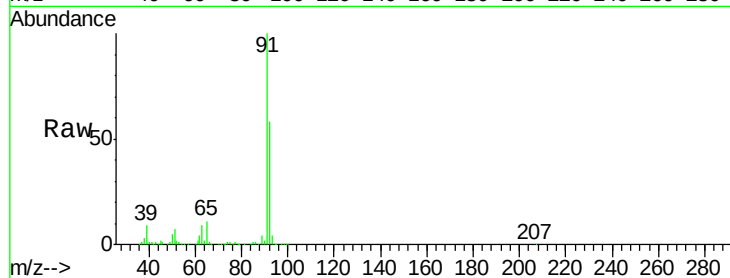
VSTD10002

Tgt Ion: 91 Resp: 3029009

Ion Ratio Lower Upper

91 100

92 57.5 39.6 73.6



#45

trans-1,3-Dichloropropene

Concen: 94.190 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW016560.D

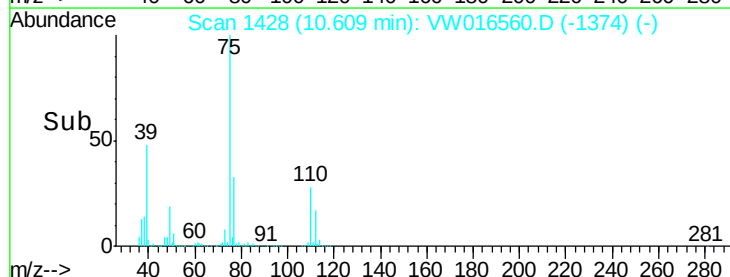
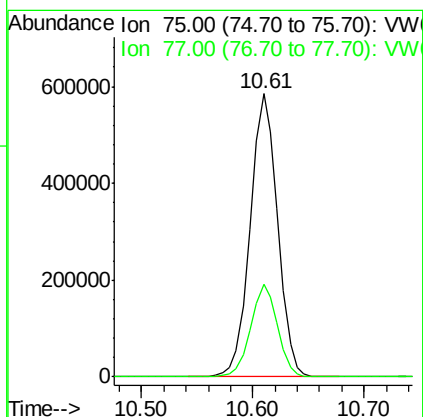
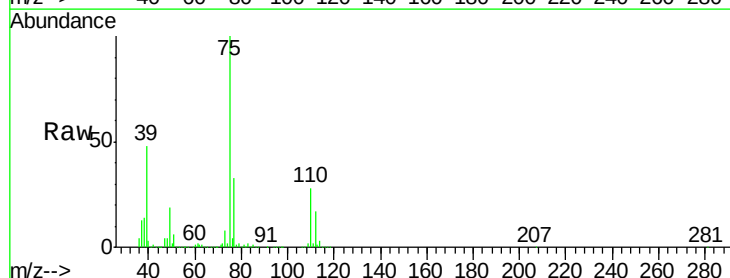
Acq: 15 Sep 2020 15:28

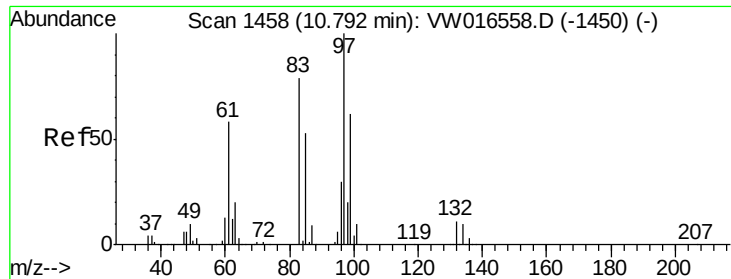
Tgt Ion: 75 Resp: 1004299

Ion Ratio Lower Upper

75 100

77 32.7 22.5 41.9

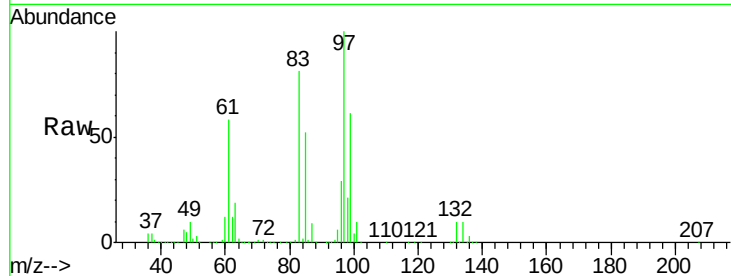




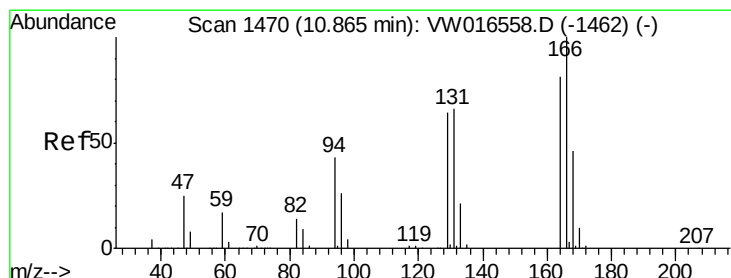
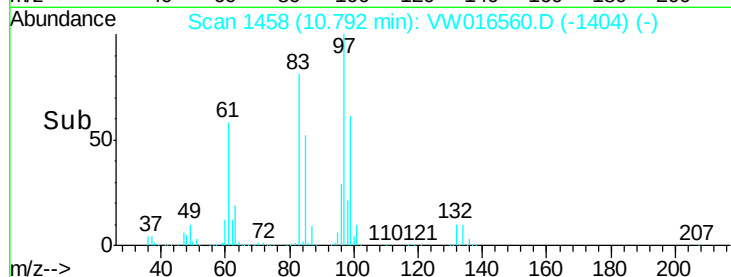
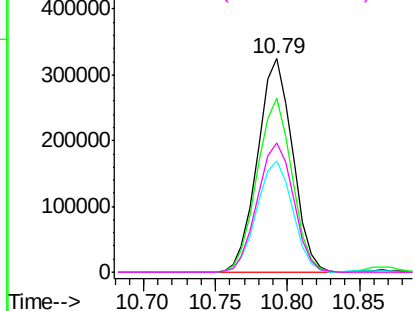
#46
 1,1,2-Trichloroethane
 Concen: 96.855 ug/L
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: VW016560.D
 Acq: 15 Sep 2020 15:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10002

Tgt Ion: 97 Resp: 547276
 Ion Ratio Lower Upper
 97 100
 83 81.3 55.7 103.5
 85 52.0 36.8 68.4
 99 60.7 43.7 81.1

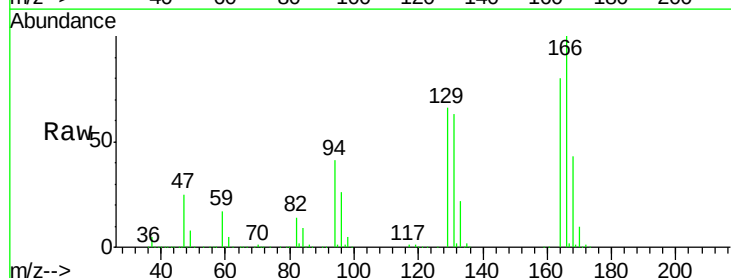


Abundance Ion 97.00 (96.70 to 97.70): VW
 Ion 83.00 (82.70 to 83.70): VW
 Ion 85.00 (84.70 to 85.70): VW
 Ion 99.00 (98.70 to 99.70): VW

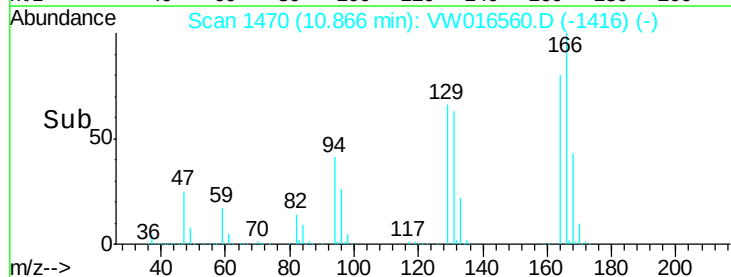
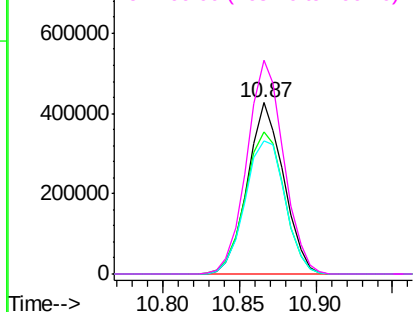


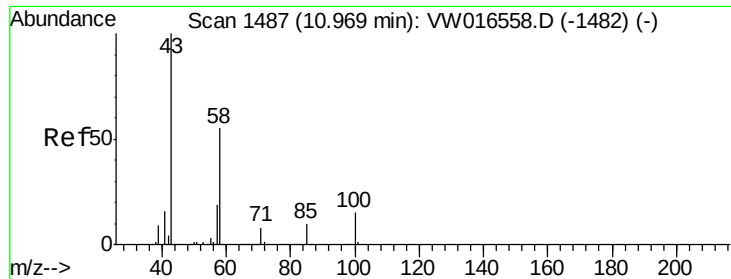
#47
 Tetrachloroethene
 Concen: 105.562 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VW016560.D
 Acq: 15 Sep 2020 15:28

Tgt Ion: 164 Resp: 702329
 Ion Ratio Lower Upper
 164 100
 129 82.8 55.6 103.2
 131 77.9 57.2 106.2
 166 124.6 86.5 160.6



Abundance Ion 164.00 (163.70 to 164.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 131.00 (130.70 to 131.70): V
 Ion 166.00 (165.70 to 166.70): V





#49

2-Hexanone

Concen: 167.457 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW016560.D

Acq: 15 Sep 2020 15:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD10002

Tgt Ion: 43 Resp: 566845

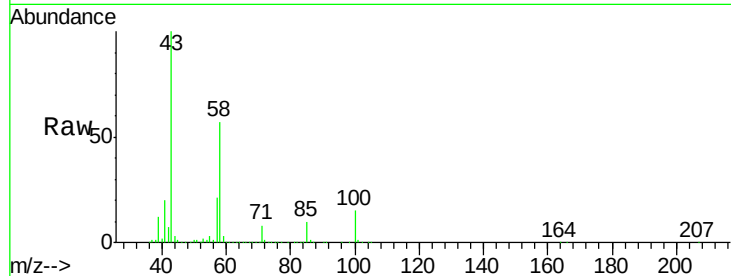
Ion Ratio Lower Upper

43 100

58 56.8 44.2 66.2

57 20.8 16.3 24.5

100 15.3 12.4 18.6

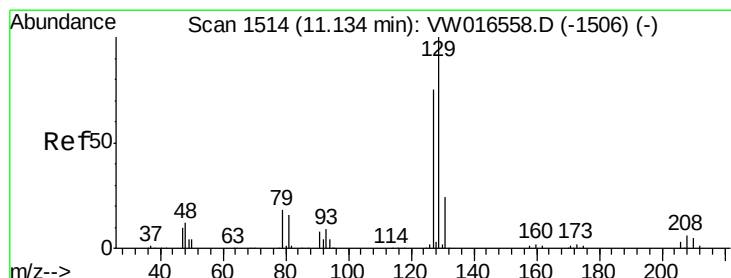
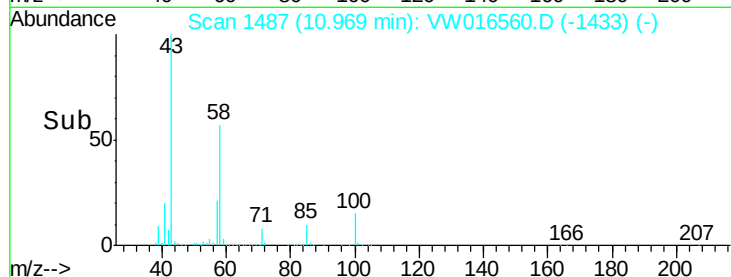
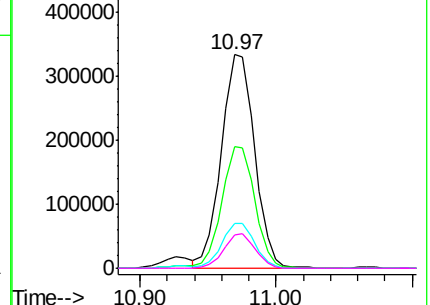


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 105.285 ug/L

RT: 11.13 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VW016560.D

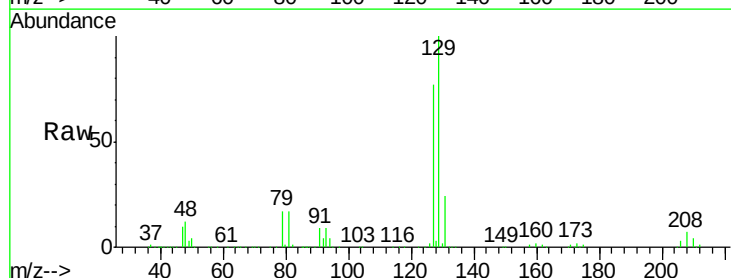
Acq: 15 Sep 2020 15:28

Tgt Ion: 129 Resp: 758983

Ion Ratio Lower Upper

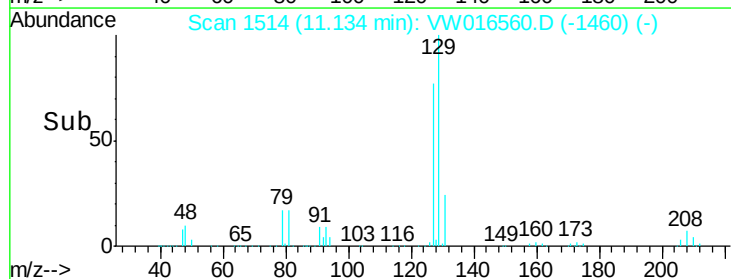
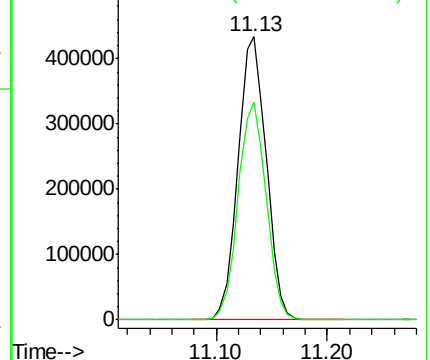
129 100

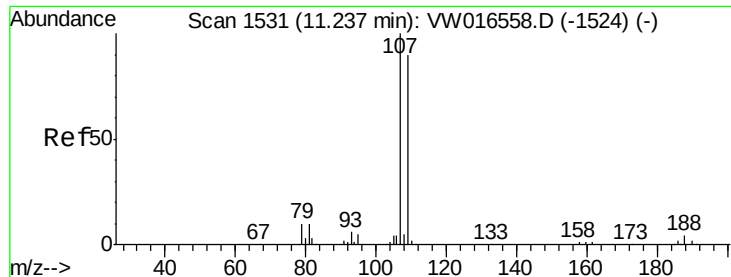
127 76.9 52.4 97.4



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

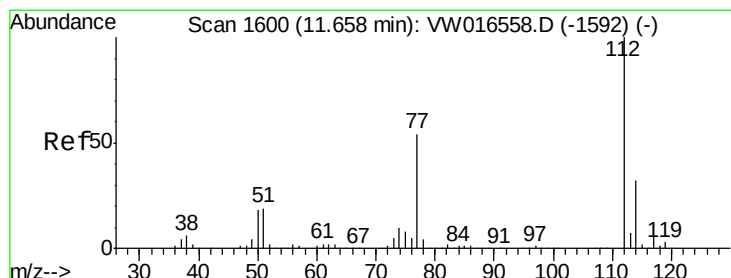
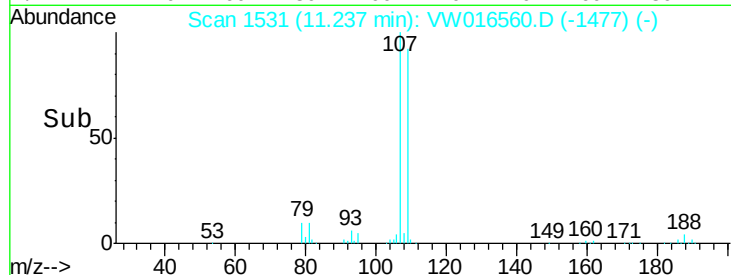
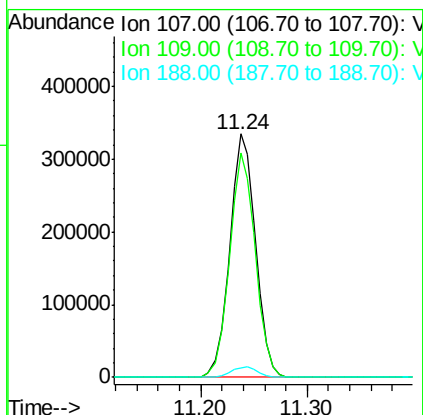
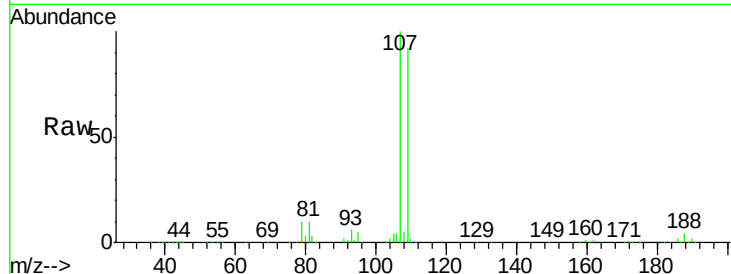




#51
 1,2-Dibromoethane
 Concen: 100.445 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW016560.D
 Acq: 15 Sep 2020 15:28

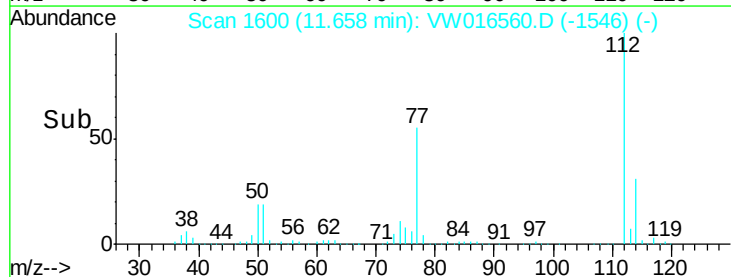
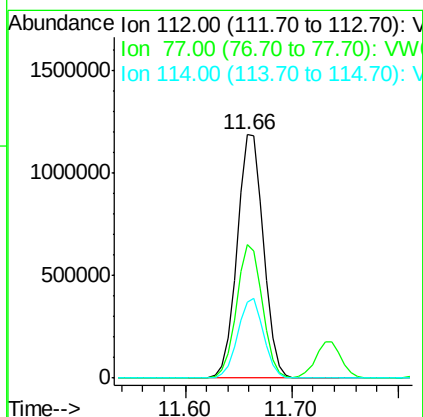
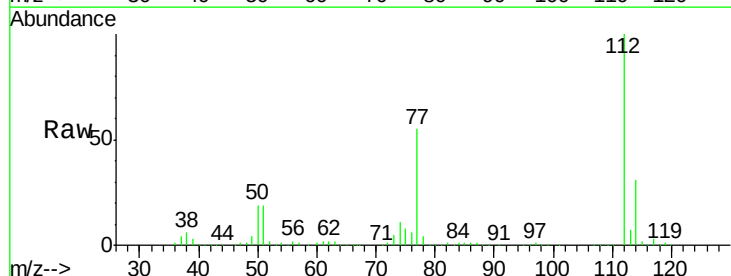
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10002

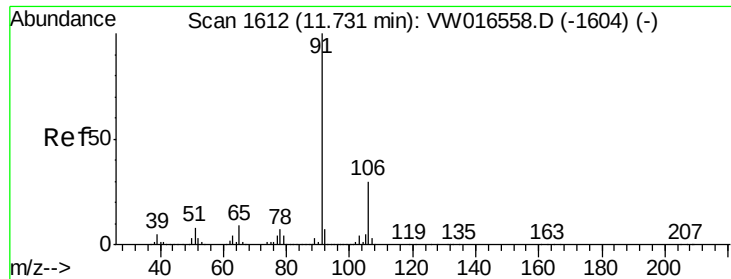
Tgt Ion:107 Resp: 567098
 Ion Ratio Lower Upper
 107 100
 109 92.4 63.0 117.0
 188 3.9 3.1 4.7



#52
 Chlorobenzene
 Concen: 99.507 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW016560.D
 Acq: 15 Sep 2020 15:28

Tgt Ion:112 Resp: 2061696
 Ion Ratio Lower Upper
 112 100
 77 54.6 43.1 64.7
 114 31.2 22.3 41.3

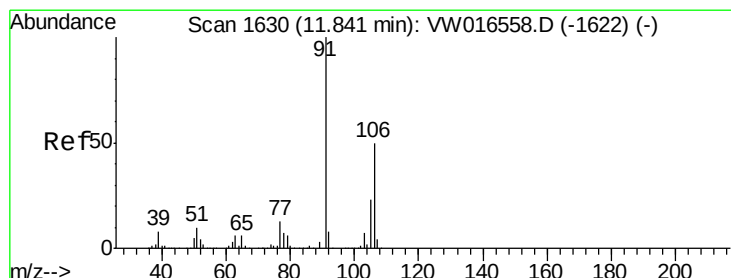
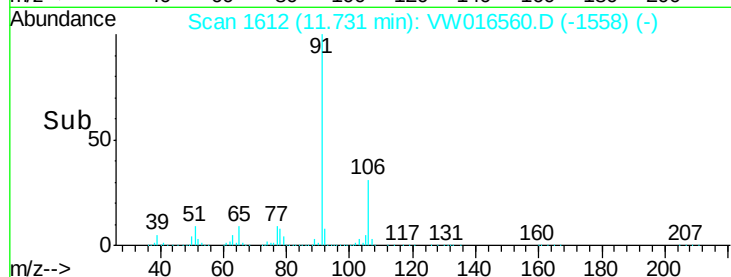
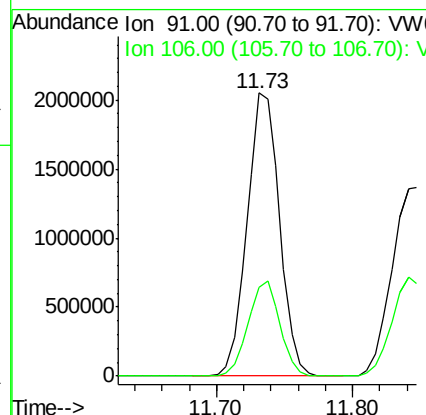
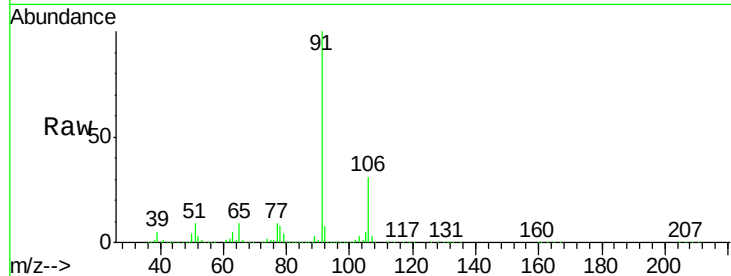




#53
Ethylbenzene
Concen: 93.810 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW016560.D
Acq: 15 Sep 2020 15:28

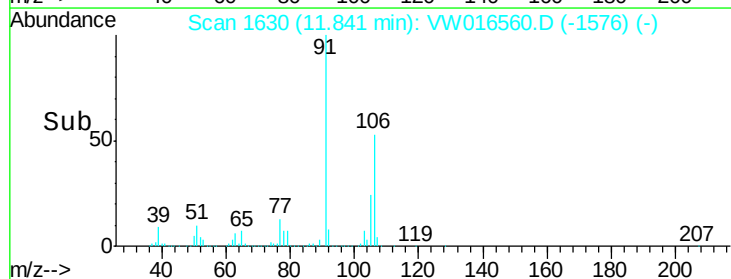
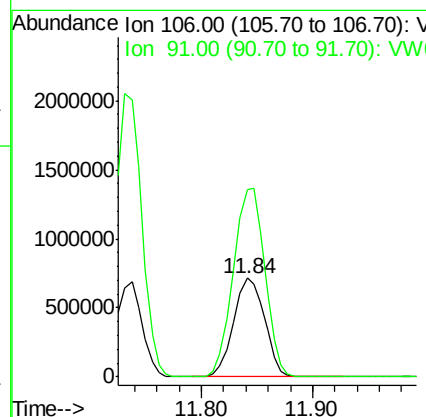
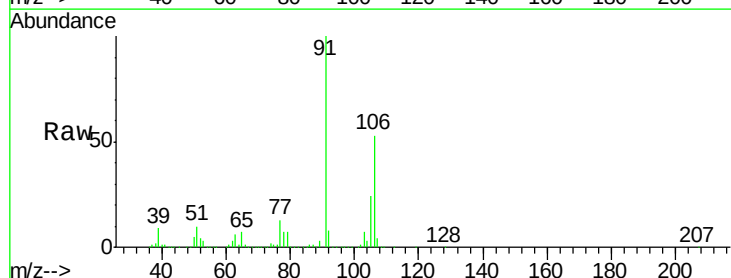
Instrument :
MSVOA_W
ClientSampleId :
VSTD10002

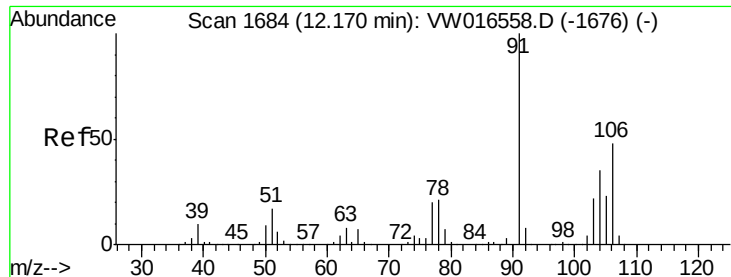
Tgt Ion: 91 Resp: 3417271
Ion Ratio Lower Upper
91 100
106 31.5 20.7 38.5



#54
m,p-Xylene
Concen: 97.877 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW016560.D
Acq: 15 Sep 2020 15:28

Tgt Ion: 106 Resp: 1372003
Ion Ratio Lower Upper
106 100
91 189.4 139.7 259.5

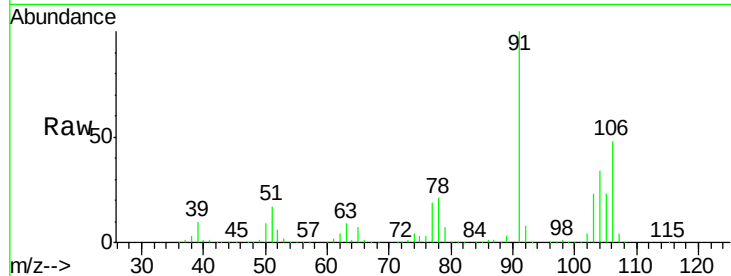




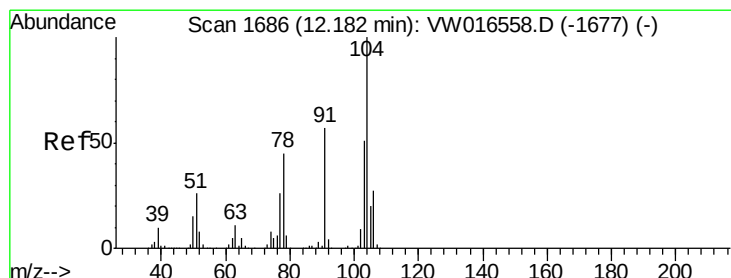
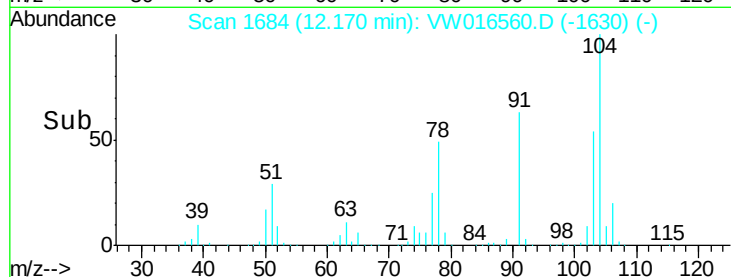
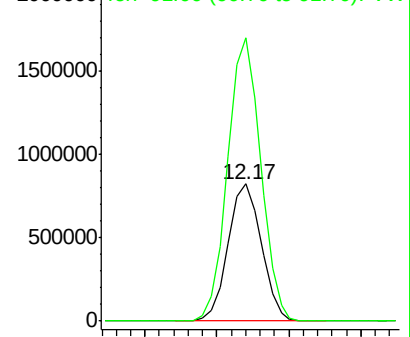
#55
o-xylene
Concen: 98.901 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW016560.D
Acq: 15 Sep 2020 15:28

Instrument :
MSVOA_W
ClientSampleId :
VSTD10002

Tgt Ion:106 Resp: 1321020
Ion Ratio Lower Upper
106 100
91 206.8 144.8 268.8

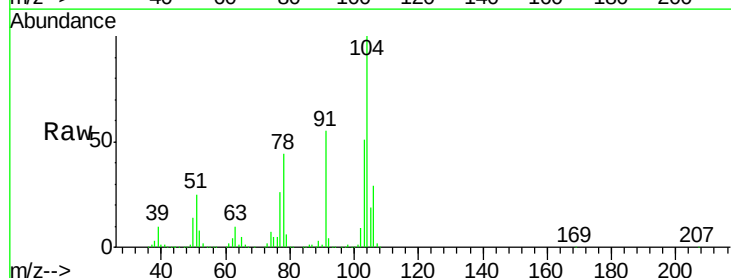


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

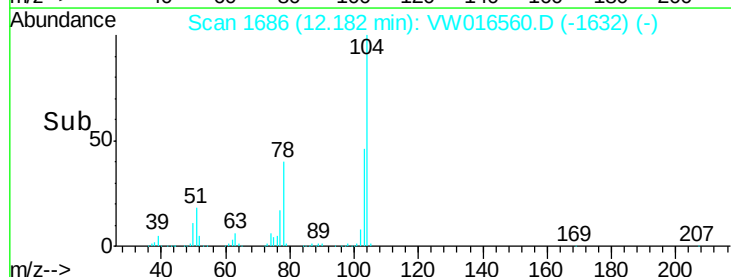
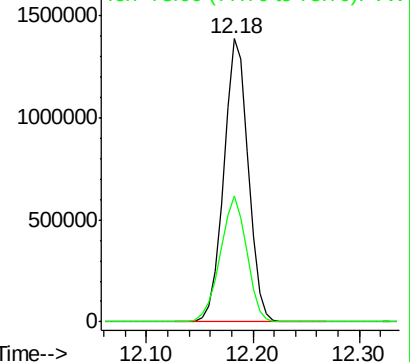


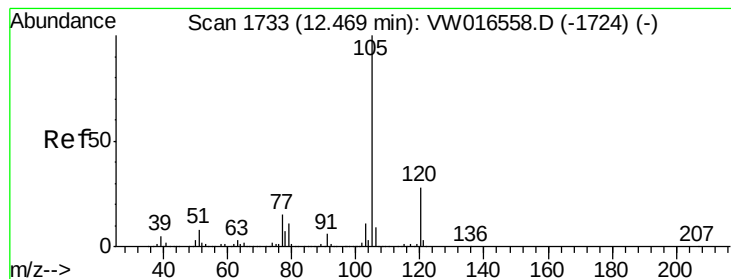
#56
Styrene
Concen: 97.781 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW016560.D
Acq: 15 Sep 2020 15:28

Tgt Ion:104 Resp: 2231184
Ion Ratio Lower Upper
104 100
78 44.4 31.4 58.2



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





#57

Isopropylbenzene

Concen: 95.622 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW016560.D

Acq: 15 Sep 2020 15:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD10002

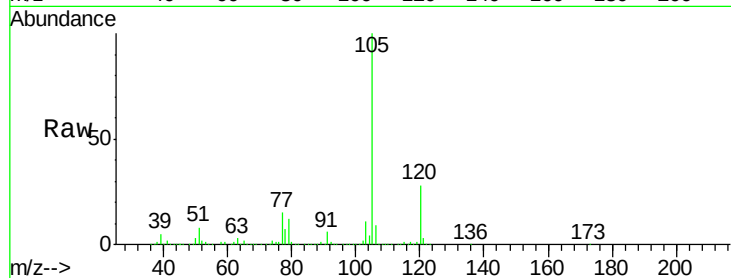
Tgt Ion: 105 Resp: 3509437

Ion Ratio Lower Upper

105 100

120 27.9 21.8 32.8

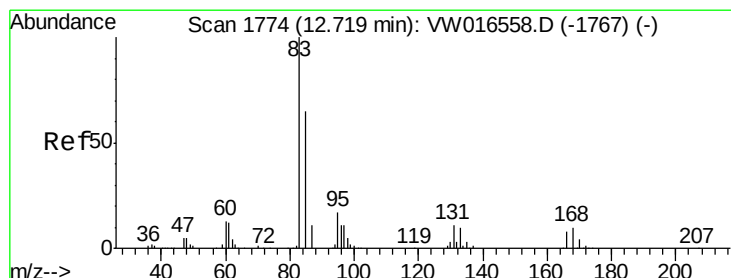
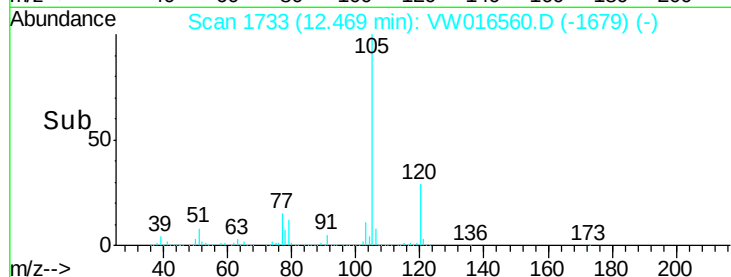
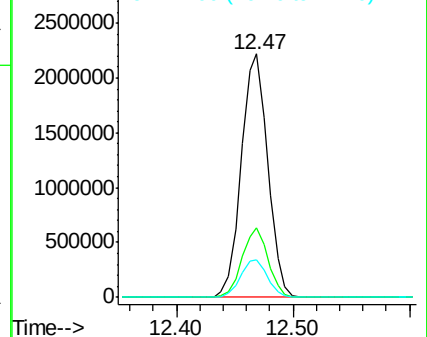
77 15.4 12.2 18.2



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: 93.352 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW016560.D

Acq: 15 Sep 2020 15:28

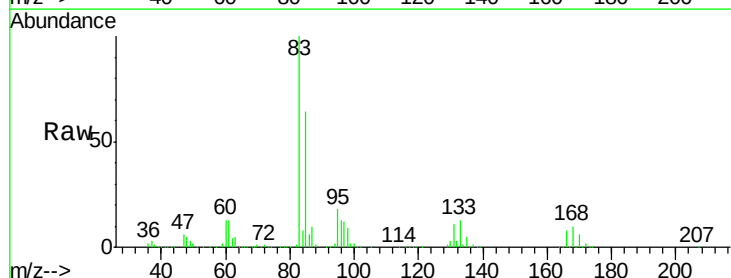
Tgt Ion: 83 Resp: 624035

Ion Ratio Lower Upper

83 100

85 63.5 46.0 85.4

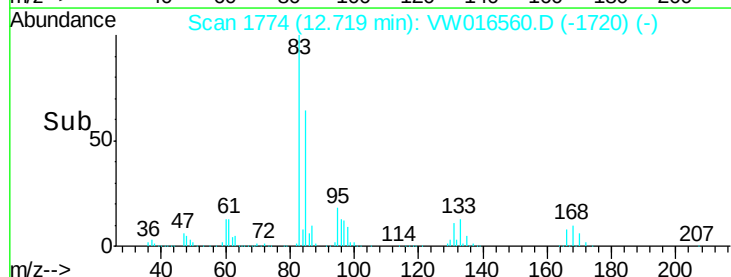
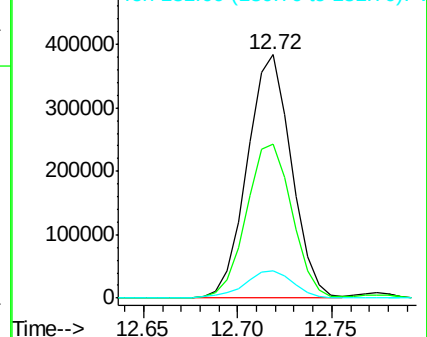
131 11.2 9.0 13.6

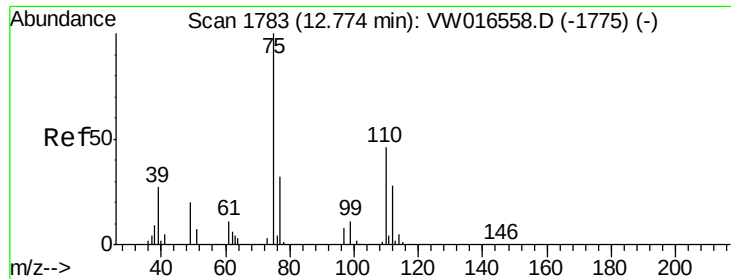


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 92.652 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW016560.D

Acq: 15 Sep 2020 15:28

Instrument :

MSVOA_W

ClientSampleId :

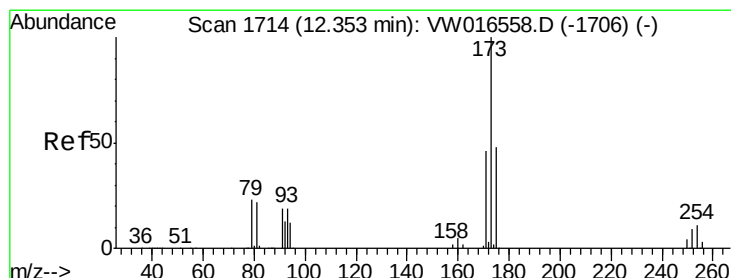
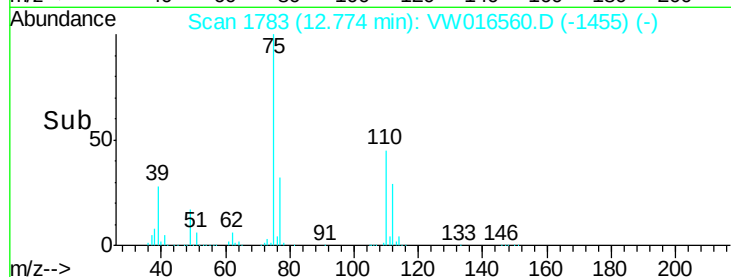
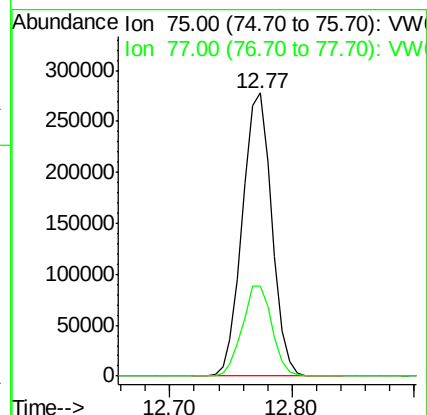
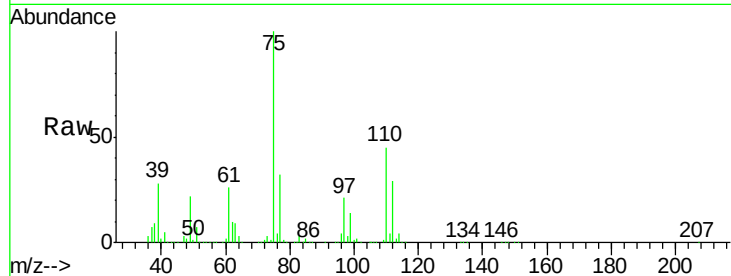
VSTD10002

Tgt Ion: 75 Resp: 462754

Ion Ratio Lower Upper

75 100

77 32.2 26.2 39.4



#62

Bromoform

Concen: 108.210 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW016560.D

Acq: 15 Sep 2020 15:28

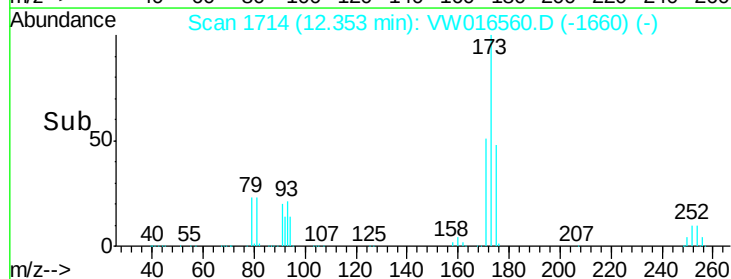
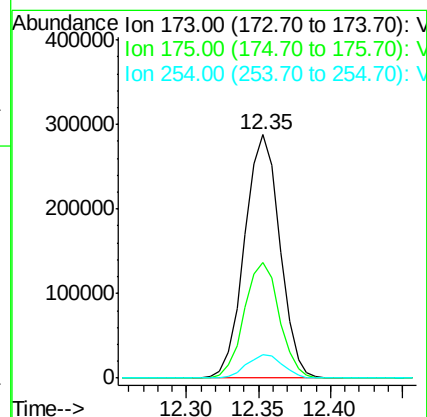
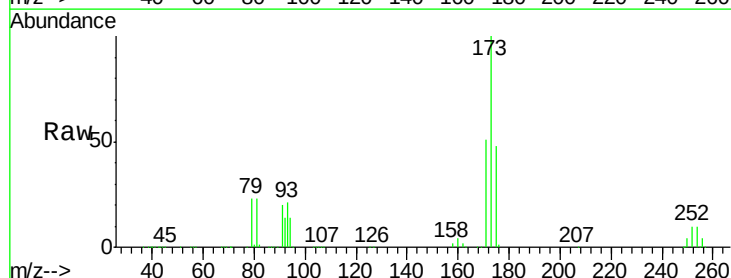
Tgt Ion: 173 Resp: 487875

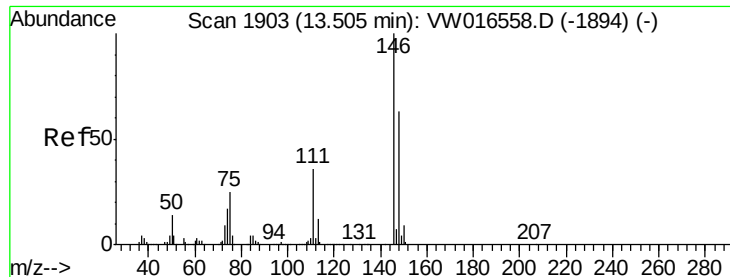
Ion Ratio Lower Upper

173 100

175 47.4 38.6 57.8

254 9.9 8.2 12.4





#63

1,3-Dichlorobenzene

Concen: 98.915 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW016560.D

Acq: 15 Sep 2020 15:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD10002

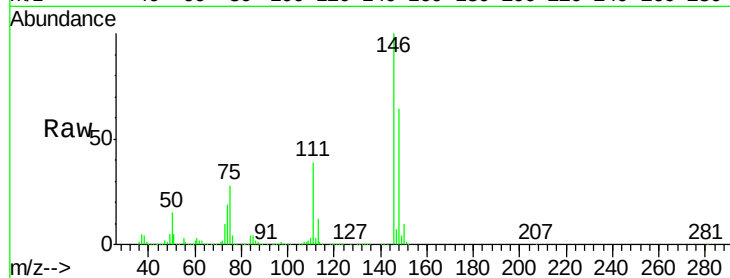
Tgt Ion:146 Resp: 1685617

Ion Ratio Lower Upper

146 100

111 39.1 25.0 46.4

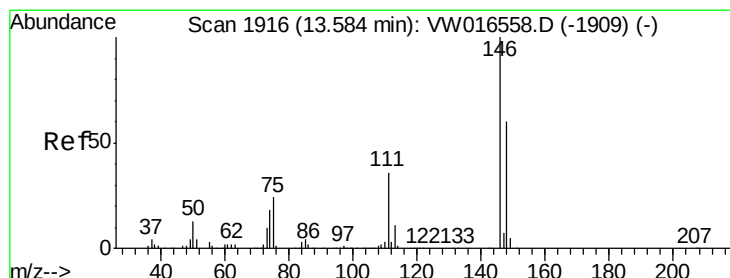
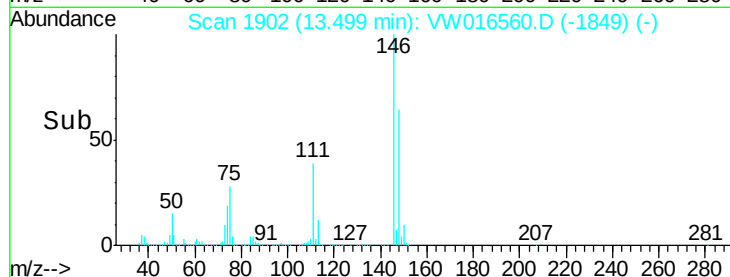
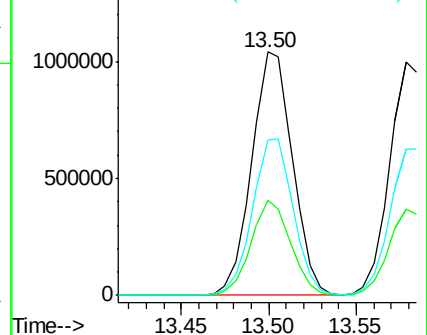
148 63.7 44.0 81.8



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



#64

1,4-Dichlorobenzene

Concen: 97.517 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. -0.01 min

Lab File: VW016560.D

Acq: 15 Sep 2020 15:28

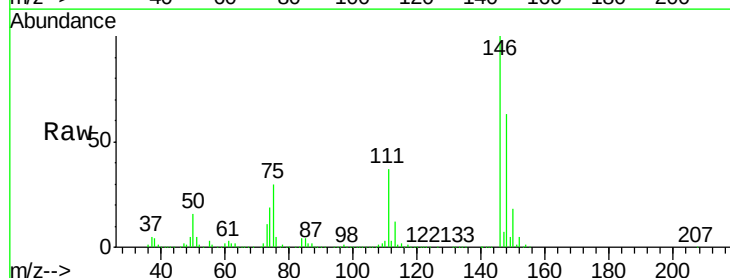
Tgt Ion:146 Resp: 1640531

Ion Ratio Lower Upper

146 100

111 37.0 25.1 46.5

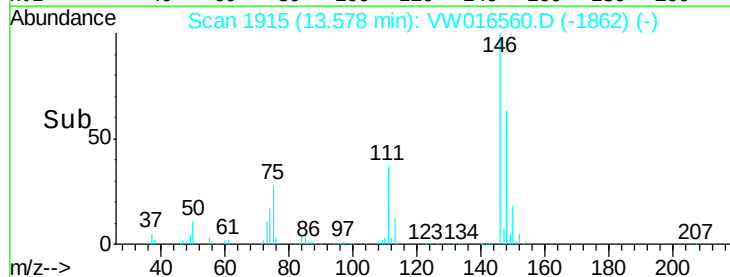
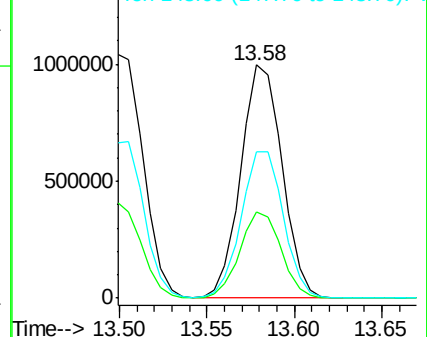
148 63.1 42.3 78.5

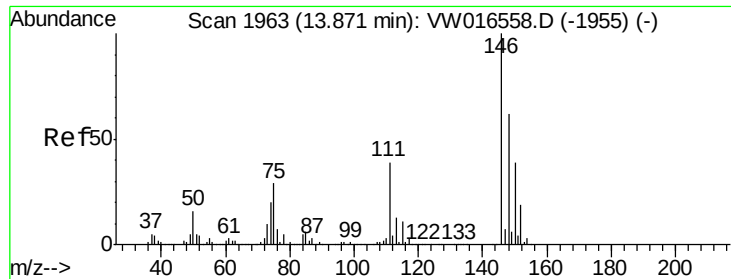


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

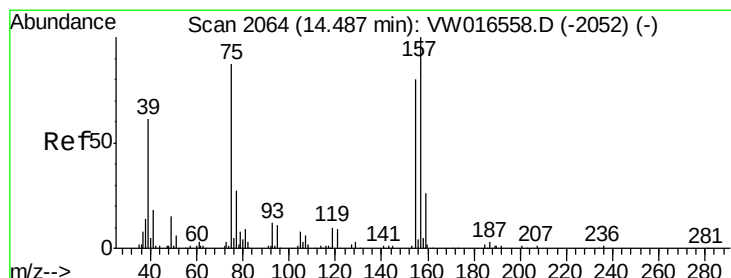
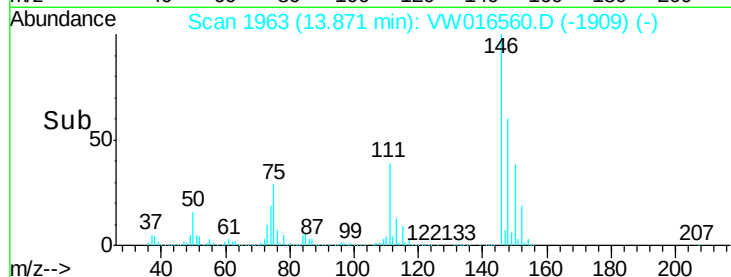
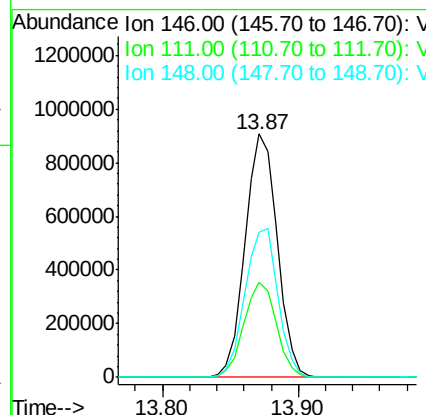
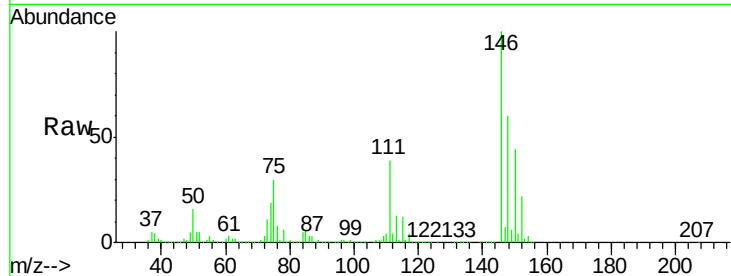




#65
 1,2-Dichlorobenzene
 Concen: 99.018 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW016560.D
 Acq: 15 Sep 2020 15:28

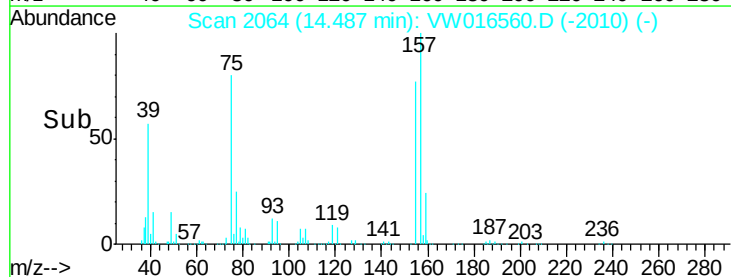
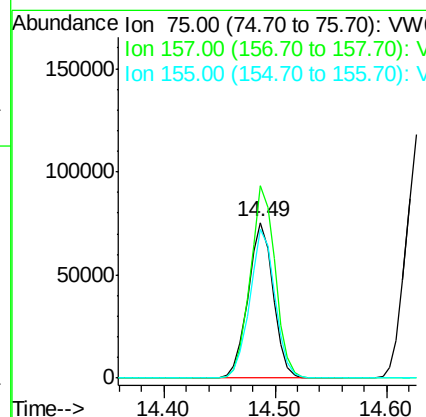
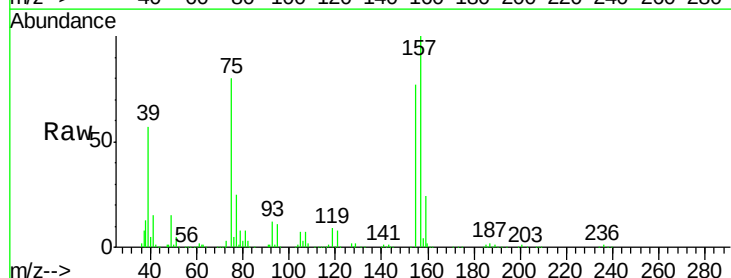
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10002

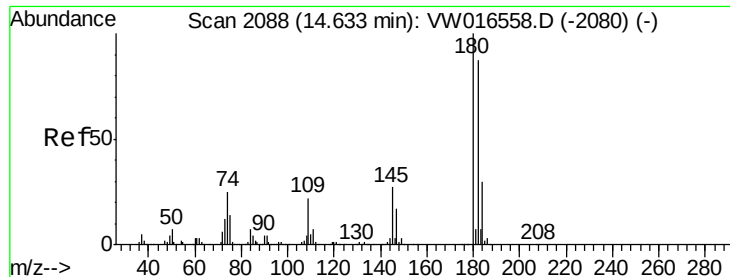
Tgt Ion: 146 Resp: 1495721
 Ion Ratio Lower Upper
 146 100
 111 39.0 31.4 47.0
 148 59.6 49.3 73.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 86.903 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW016560.D
 Acq: 15 Sep 2020 15:28

Tgt Ion: 75 Resp: 117948
 Ion Ratio Lower Upper
 75 100
 157 124.3 92.2 138.4
 155 95.5 73.5 110.3

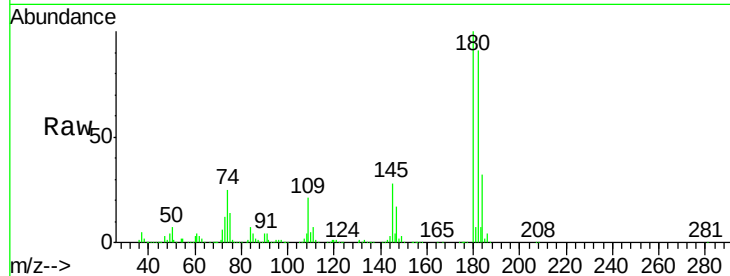




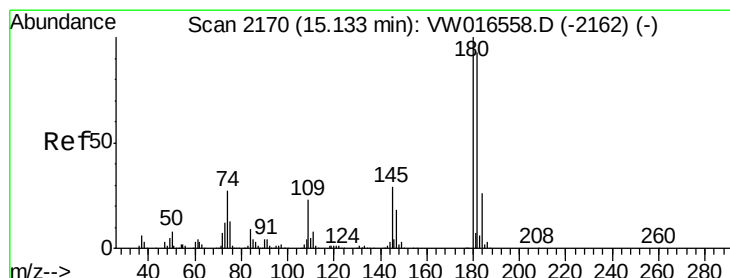
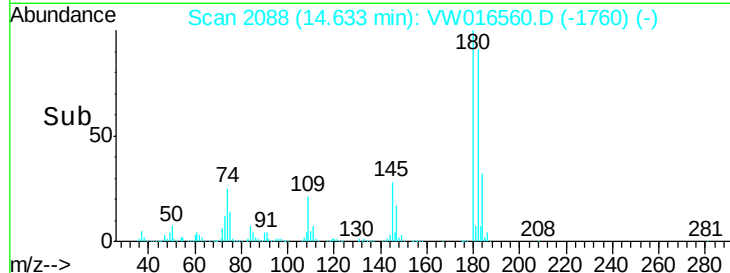
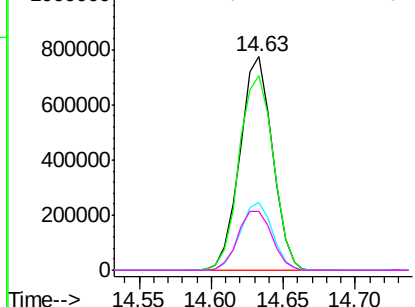
#67
 1,3,5-Trichlorobenzene
 Concen: 101.923 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW016560.D
 Acq: 15 Sep 2020 15:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10002

Tgt Ion:180 Resp: 1217963
 Ion Ratio Lower Upper
 180 100
 182 95.4 73.8 110.8
 184 31.7 23.7 35.5
 145 29.5 22.8 34.2

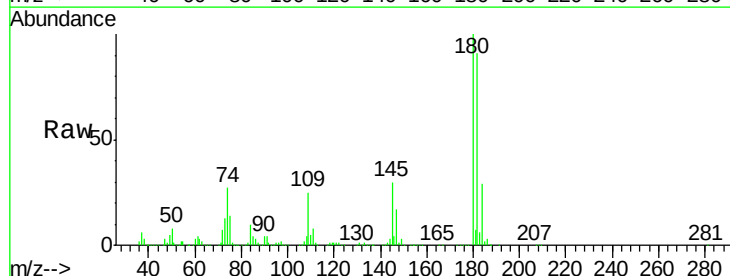


Abundance Ion 180.00 (179.70 to 180.70): V
 1200000
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

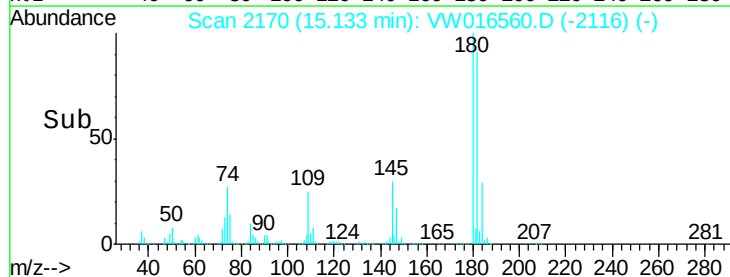
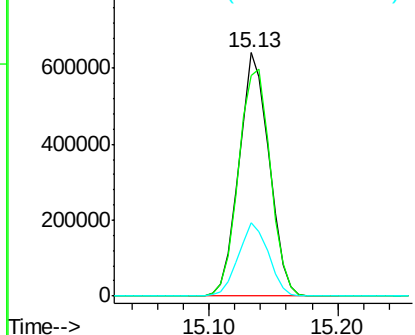


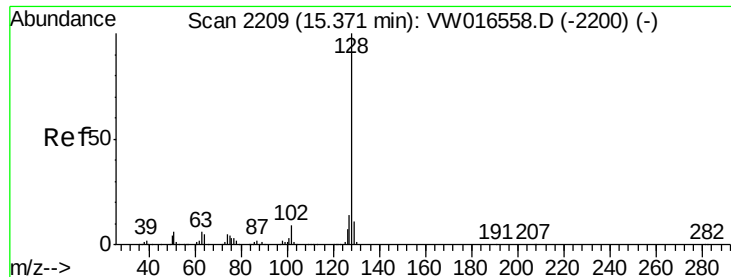
#68
 1,2,4-trichlorobenzene
 Concen: 100.224 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW016560.D
 Acq: 15 Sep 2020 15:28

Tgt Ion:180 Resp: 1035559
 Ion Ratio Lower Upper
 180 100
 182 98.7 74.5 111.7
 145 30.2 23.1 34.7



Abundance Ion 180.00 (179.70 to 180.70): V
 800000
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 97.642 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW016560.D

Acq: 15 Sep 2020 15:28

Instrument :

MSVOA_W

ClientSampleId :

VSTD10002

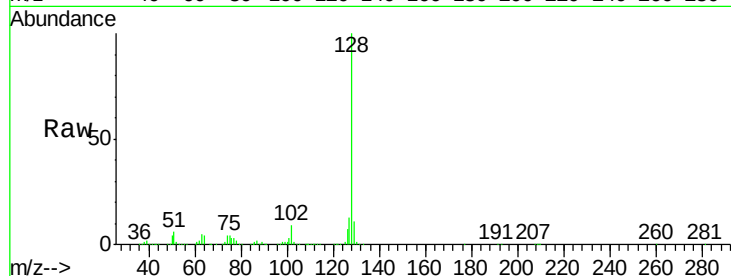
Tgt Ion:128 Resp: 2043951

Ion Ratio Lower Upper

128 100

129 11.0 8.9 13.3

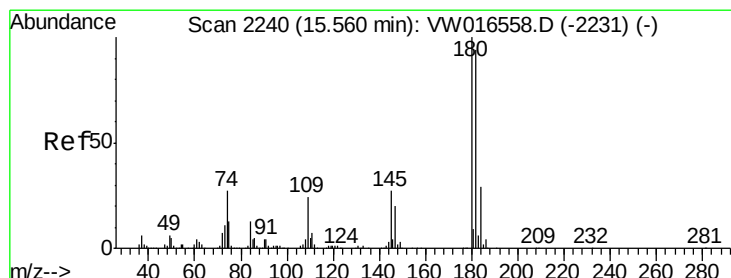
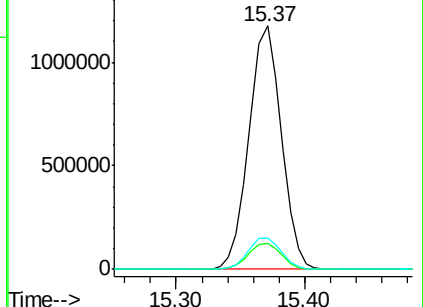
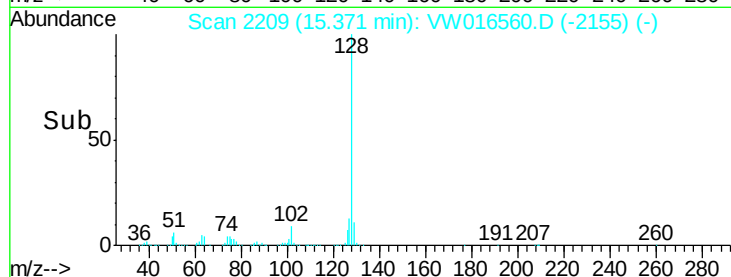
127 13.3 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 101.843 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW016560.D

Acq: 15 Sep 2020 15:28

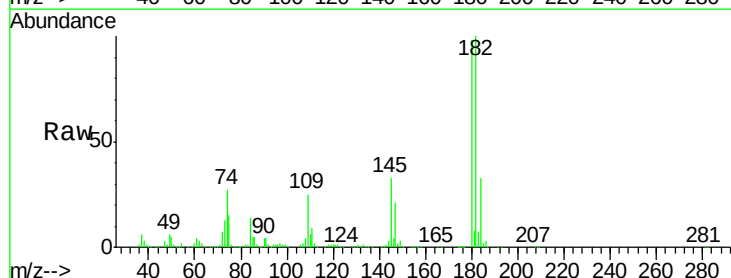
Tgt Ion:180 Resp: 902610

Ion Ratio Lower Upper

180 100

182 96.4 76.3 114.5

145 31.6 24.1 36.1



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

