

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120320\
 Data File : VW017527.D
 Acq On : 03 Dec 2020 09:43
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 20 00:28:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM112420S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Dec 19 06:56:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	429531	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	385554	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	203046	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	141685	25.08	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.32%
7) Chloroethane-d5	2.89	69	115988	24.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.32%
10) 1,1-Dichloroethene-d2	4.03	63	312305	24.83	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	99.32%
20) 2-Butanone-d5	7.08	46	59995	50.35	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.70%
24) Chloroform-d	7.65	84	315208	25.83	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	103.32%
26) 1,2-Dichloroethane-d4	8.31	65	154896	25.87	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	103.48%
29) Benzene-d6	8.27	84	594191	25.06	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.24%
33) 1,2-Dichloropropane-d6	9.27	67	169146	25.78	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	103.12%
37) Toluene-d8	10.33	98	542614	25.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.52%
38) trans-1,3-Dichloropropene-	10.58	79	71710	24.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.84%
39) 2-Hexanone-d5	10.93	63	42363	52.17	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.34%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	120717	25.57	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	102.28%
61) 1,2-Dichlorobenzene-d4	13.86	152	185983	24.74	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.96%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	84766	20.768	ug/L	94
3) Chloromethane	2.21	50	93771	22.315	ug/L	97
5) Vinyl chloride	2.37	62	139064	26.685	ug/L	97
6) Bromomethane	2.79	94	92896	24.755	ug/L	99
8) Chloroethane	2.93	64	87790	25.074	ug/L	96
9) Trichlorofluoromethane	3.27	101	140429	23.533	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	155685	25.489	ug/L #	70
12) 1,1-Dichloroethene	4.05	96	148482	24.930	ug/L	96
13) Acetone	4.13	43	54683	47.692	ug/L	96
14) Carbon disulfide	4.39	76	412167	24.195	ug/L	100
15) Methyl Acetate	4.68	43	50263	25.184	ug/L	96
16) Methylene chloride	4.92	84	147057	22.803	ug/L	95
17) Methyl tert-butyl Ether	5.43	73	169598	26.475	ug/L	99
18) trans-1,2-Dichloroethene	5.43	96	153153	25.015	ug/L	99
19) 1,1-Dichloroethane	6.22	63	265087	25.644	ug/L	98
21) 2-Butanone	7.17	43	70289	51.227	ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	160579	25.138	ug/L	99

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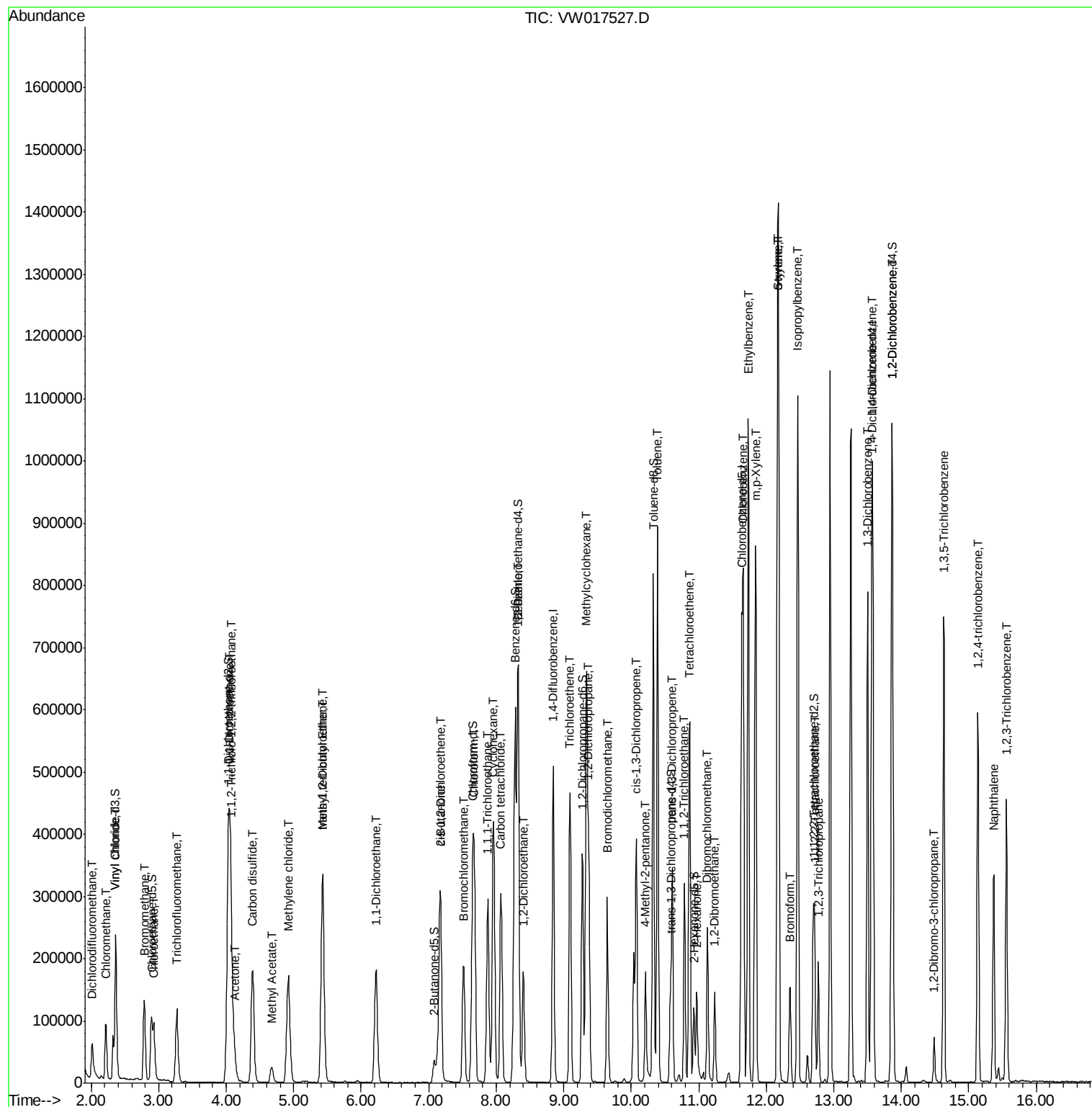
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	69559	23.972	ug/L	91
25) Chloroform	7.68	83	281744	25.818	ug/L	99
27) 1,2-Dichloroethane	8.40	62	166640	25.355	ug/L	98
30) Cyclohexane	7.96	56	237106	25.782	ug/L	99
31) 1,1,1-Trichloroethane	7.88	97	242975	26.627	ug/L	100
32) Carbon tetrachloride	8.07	117	235654	26.596	ug/L	99
34) Benzene	8.33	78	595281	25.688	ug/L	100
35) Trichloroethene	9.09	95	164478	25.603	ug/L	98
36) Methylcyclohexane	9.34	83	270742	25.485	ug/L	100
40) 1,2-Dichloropropane	9.37	63	141926	26.075	ug/L	98
41) Bromodichloromethane	9.65	83	195467	25.991	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	224699	26.652	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	122901	49.046	ug/L	99
44) Toluene	10.39	91	649440	26.044	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	190527	26.372	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	102728	25.189	ug/L	99
47) Tetrachloroethene	10.86	164	133606	24.409	ug/L	96
49) 2-Hexanone	10.97	43	94535	53.419	ug/L	92
50) Dibromochloromethane	11.13	129	126830	24.896	ug/L	94
51) 1,2-Dibromoethane	11.24	107	96962	24.807	ug/L	99
52) Chlorobenzene	11.66	112	415902	25.470	ug/L	97
53) Ethylbenzene	11.73	91	725529	25.661	ug/L	96
54) m,p-Xylene	11.84	106	279513	25.911	ug/L	98
55) o-xylene	12.17	106	260637	25.941	ug/L	100
56) Styrene	12.18	104	439314	25.992	ug/L	99
57) Isopropylbenzene	12.46	105	731009	26.489	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	110031	25.066	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	80233	24.763	ug/L	99
62) Bromoform	12.35	173	73300	25.466	ug/L	97
63) 1,3-Dichlorobenzene	13.50	146	317889	24.280	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	323678	24.955	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	280335	24.583	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	17566	23.925	ug/L	87
67) 1,3,5-Trichlorobenzene	14.63	180	228212	24.332	ug/L	97
68) 1,2,4-trichlorobenzene	15.13	180	188946	24.920	ug/L	97
69) Naphthalene	15.37	128	291735	24.919	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	162138	25.637	ug/L	98

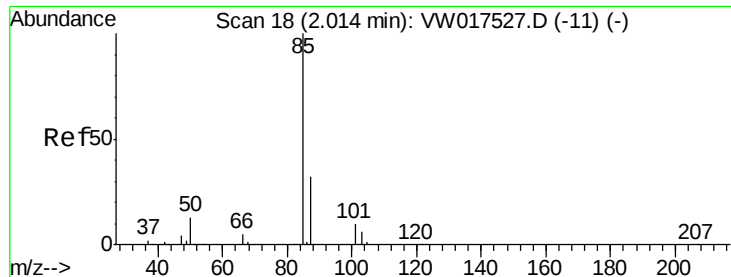
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 20.768 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW017527.D

Acq: 03 Dec 2020 09:43

Instrument :

MSVOA_W

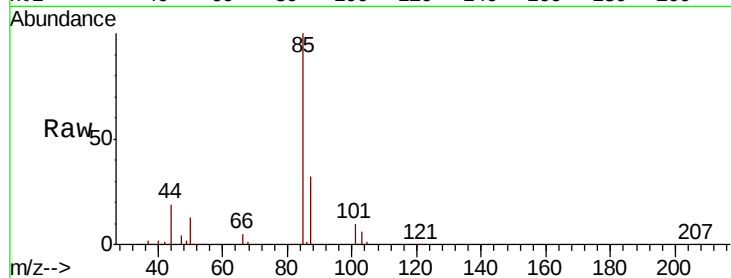
ClientSampleId :

Tot Ion: 85 Resp: 84766

Ion Ratio Lower Upper

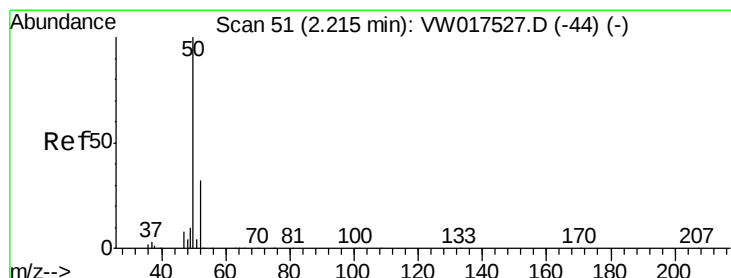
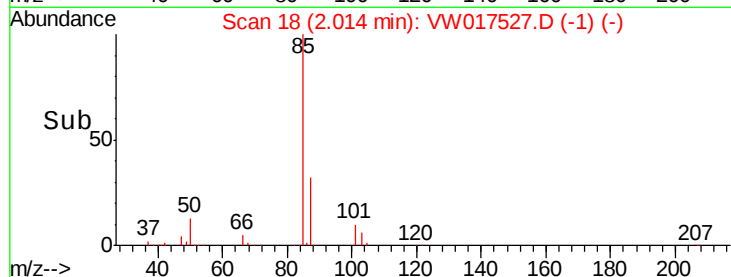
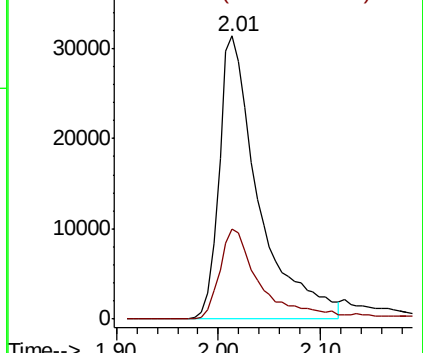
85 100

87 29.8 23.2 43.0



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 22.315 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW017527.D

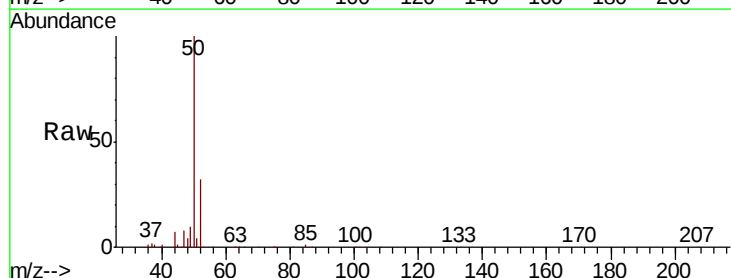
Acq: 03 Dec 2020 09:43

Tgt Ion: 50 Resp: 93771

Ion Ratio Lower Upper

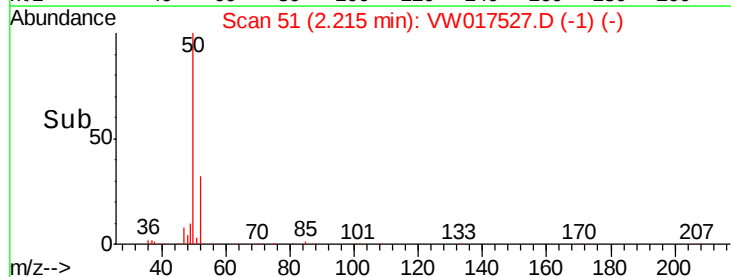
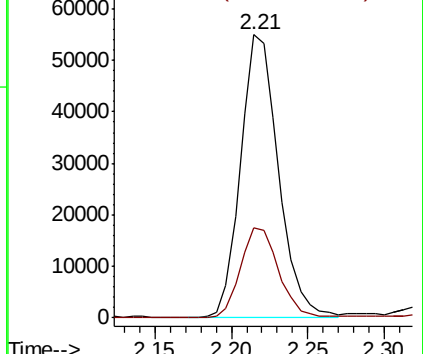
50 100

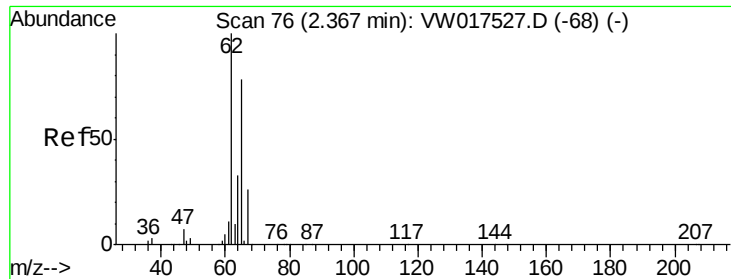
52 31.7 23.4 43.6



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 26.685 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW017527.D

Acq: 03 Dec 2020 09:43

Instrument :

MSVOA_W

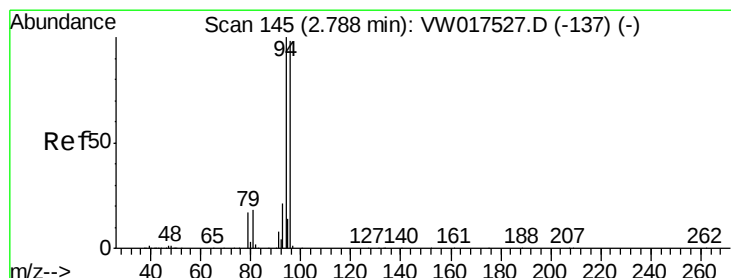
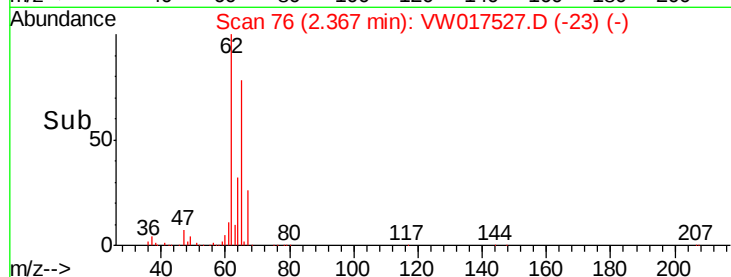
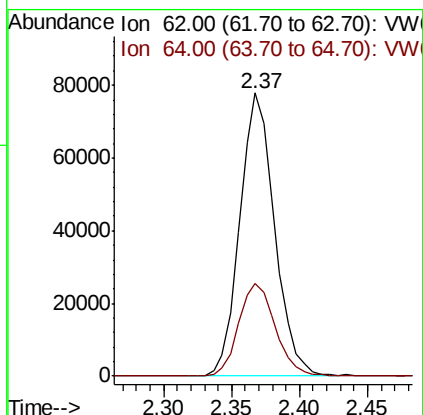
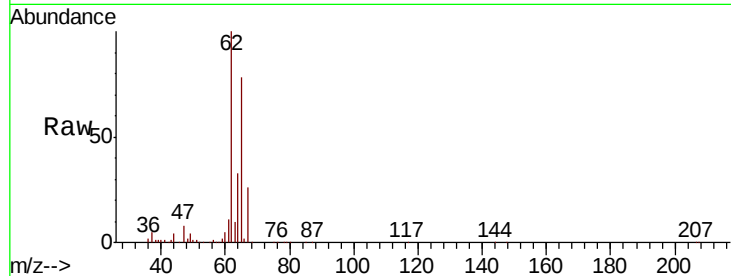
ClientSampled :

Tot Ion: 62 Resp: 139064

Ion Ratio Lower Upper

62 100

64 32.6 23.9 44.5



#6

Bromomethane

Concen: 24.755 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW017527.D

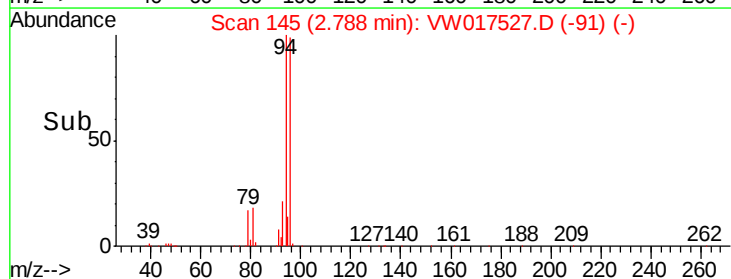
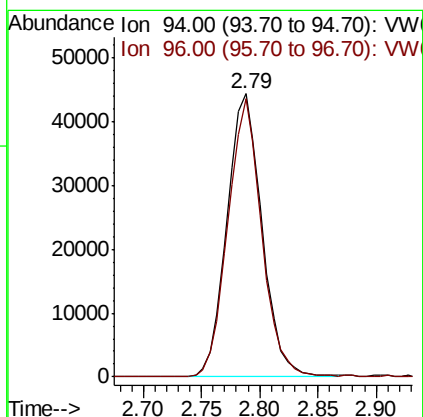
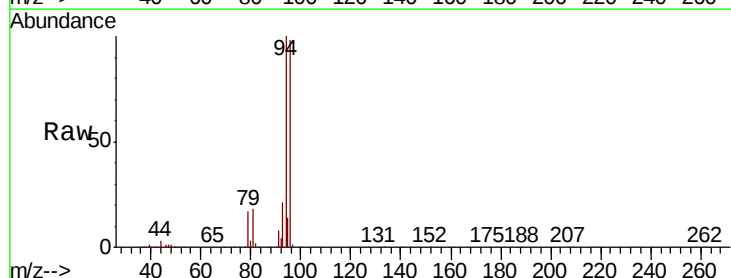
Acq: 03 Dec 2020 09:43

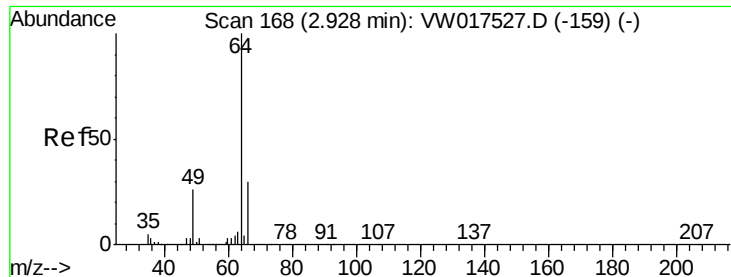
Tgt Ion: 94 Resp: 92896

Ion Ratio Lower Upper

94 100

96 95.0 9.4 178.0





#8

Chloroethane

Concen: 25.074 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW017527.D

Acq: 03 Dec 2020 09:43

Instrument :

MSVOA_W

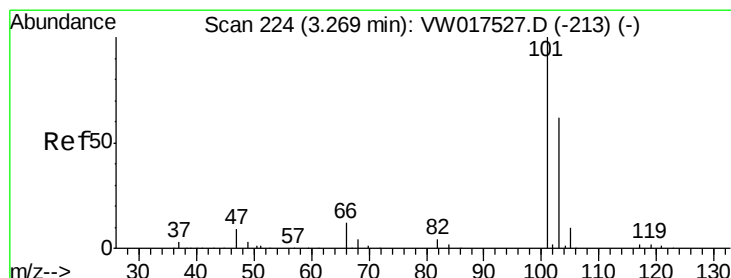
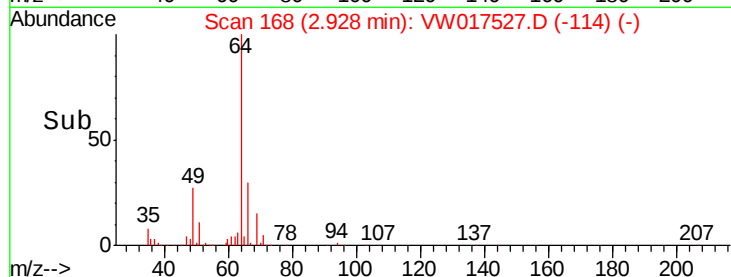
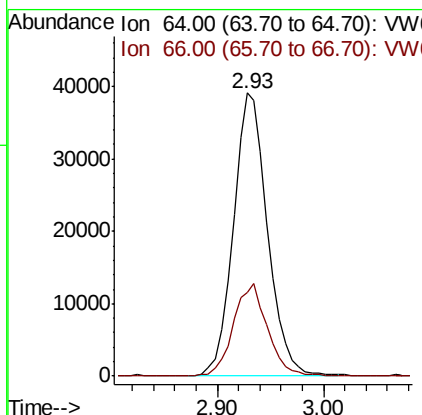
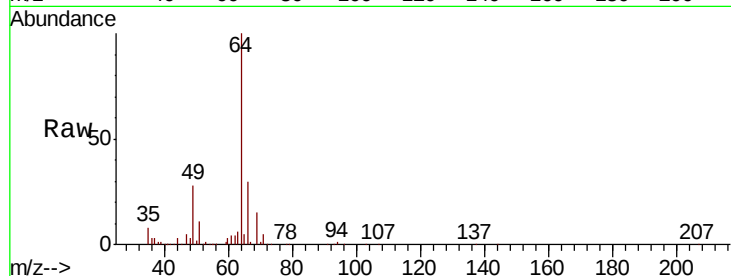
ClientSampleId :

Tot Ion: 64 Resp: 87790

Ion Ratio Lower Upper

64 100

66 29.5 22.0 41.0



#9

Trichlorofluoromethane

Concen: 23.533 ug/L

RT: 3.27 min Scan# 224

Delta R.T. 0.00 min

Lab File: VW017527.D

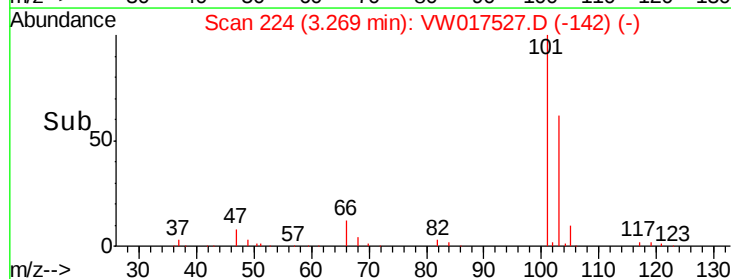
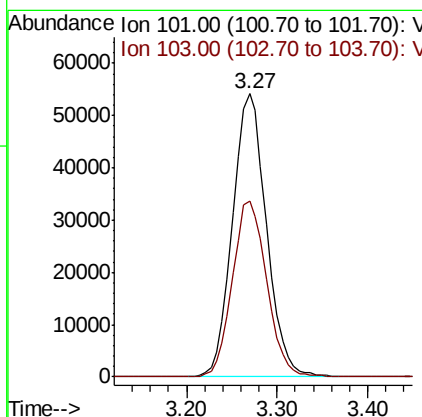
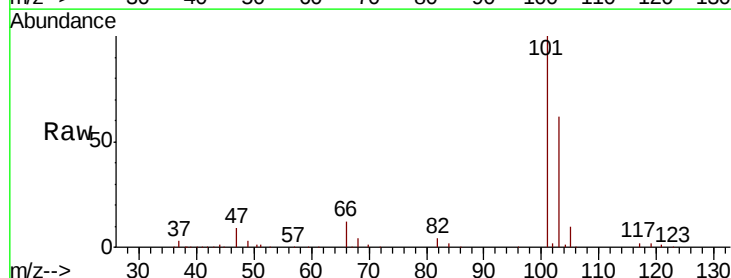
Acq: 03 Dec 2020 09:43

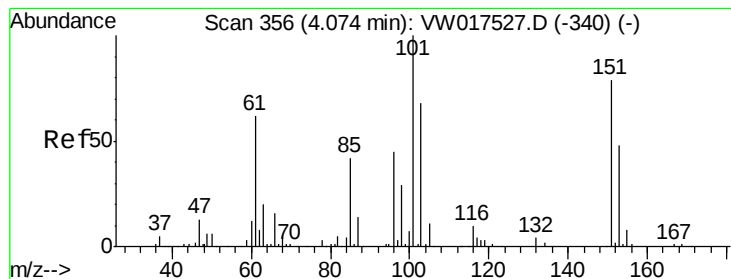
Tgt Ion: 101 Resp: 140429

Ion Ratio Lower Upper

101 100

103 63.0 45.0 83.6





#11

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

Concen: 25.489 ug/L

RT: 4.07 min Scan# 356

Delta R.T. 0.00 min

Lab File: VW017527.D

Acq: 03 Dec 2020 09:43

Instrument :

MSVOA_W

ClientSampleId :

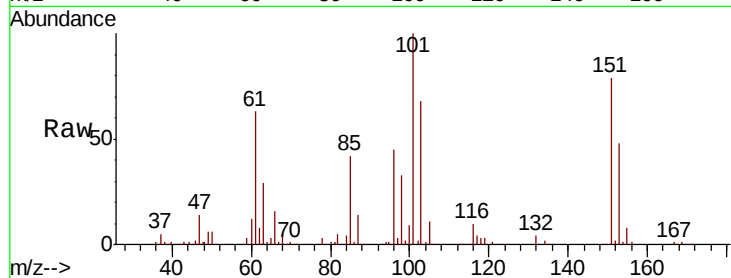
Tot Ion: 101 Resp: 155685

Ion Ratio Lower Upper

101 100

85 42.5 34.2 51.4

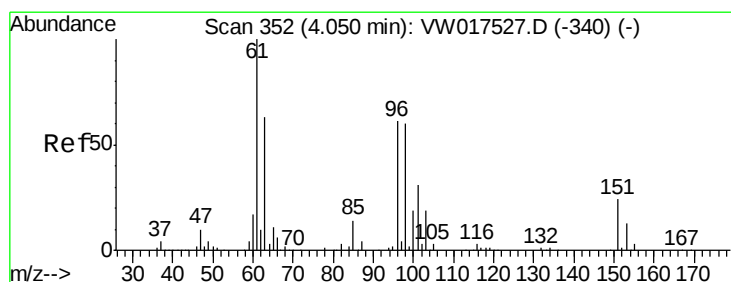
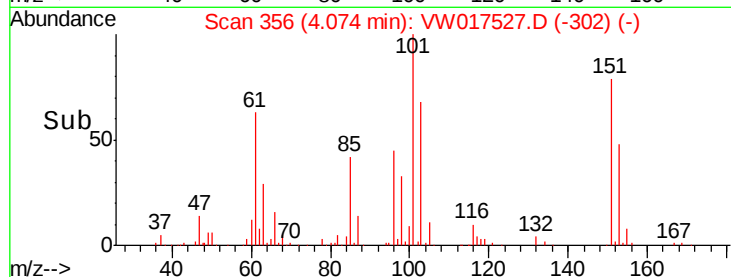
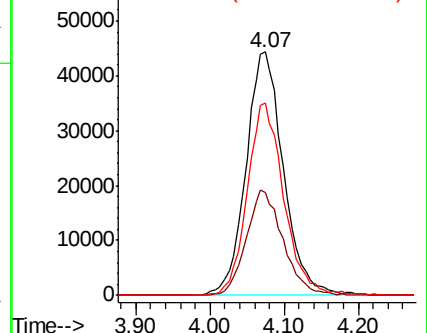
151 76.6 30.4 45.6#



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: 24.930 ug/L

RT: 4.05 min Scan# 352

Delta R.T. 0.01 min

Lab File: VW017527.D

Acq: 03 Dec 2020 09:43

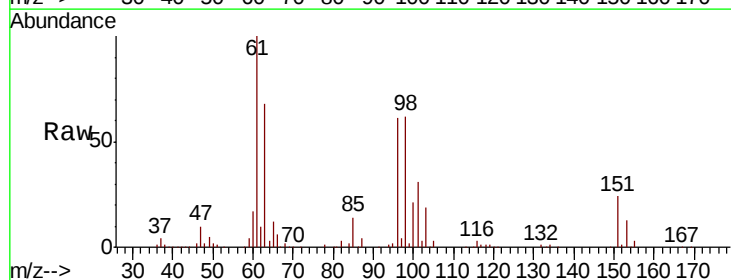
Tgt Ion: 96 Resp: 148482

Ion Ratio Lower Upper

96 100

61 163.8 112.5 208.9

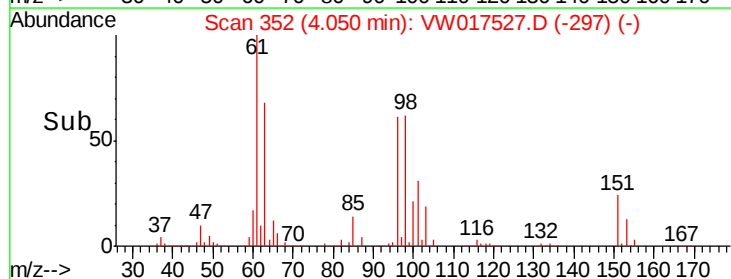
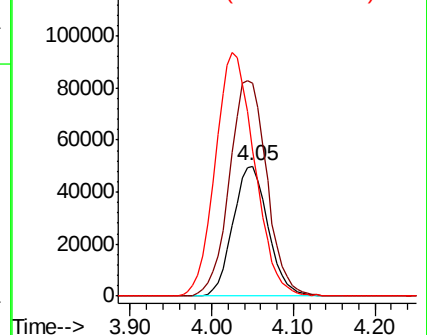
63 111.3 83.1 154.3

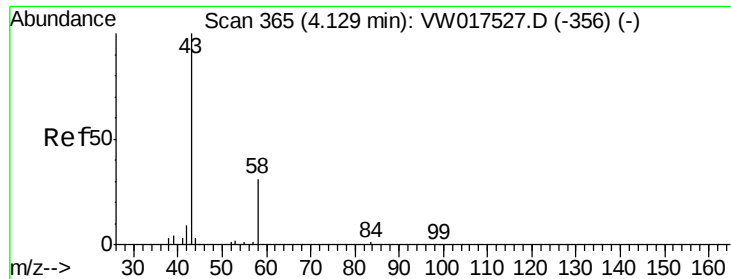


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 47.692 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.00 min

Lab File: VW017527.D

Acq: 03 Dec 2020 09:43

Instrument :

MSVOA_W

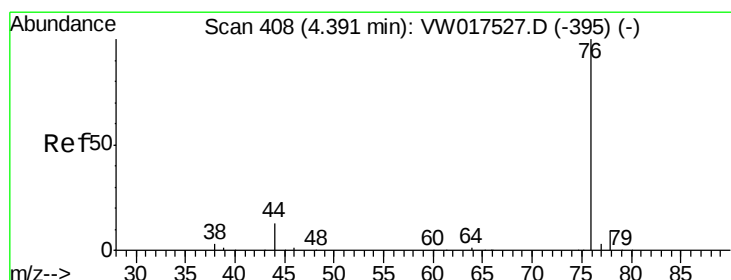
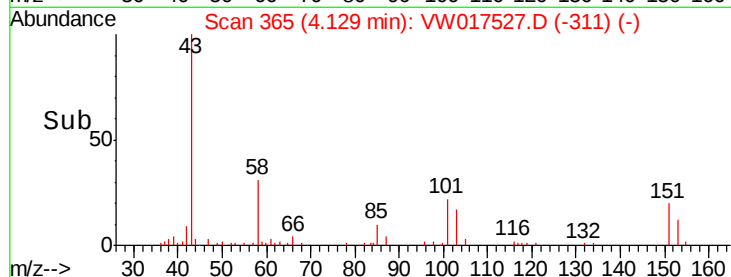
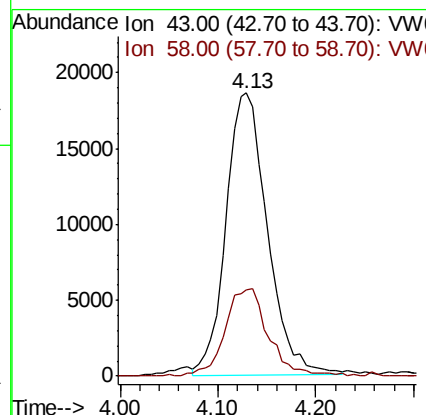
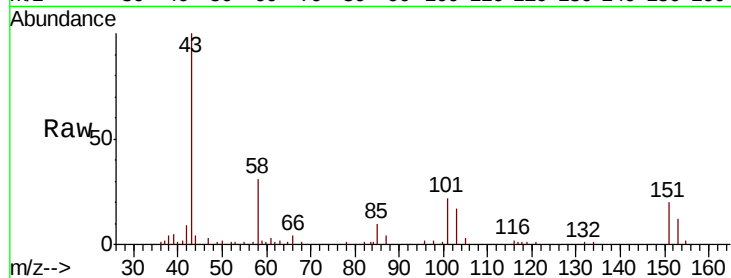
ClientSampleId :

Tot Ion: 43 Resp: 54683

Ion Ratio Lower Upper

43 100

58 31.8 0.0 68.4



#14

Carbon disulfide

Concen: 24.195 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.00 min

Lab File: VW017527.D

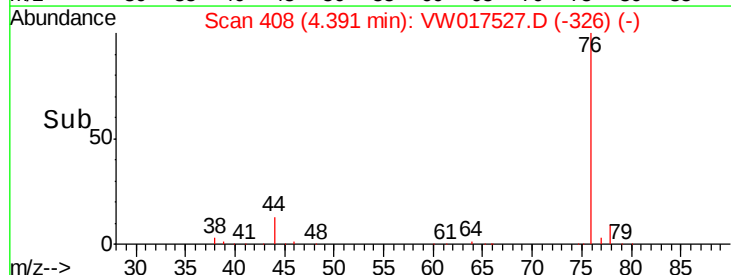
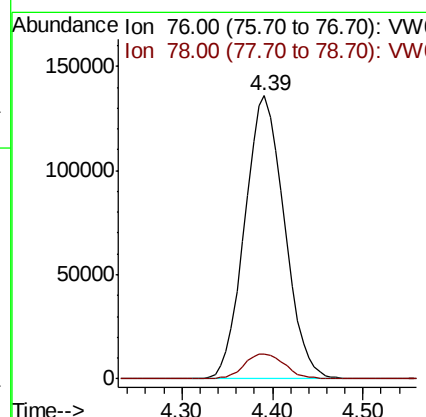
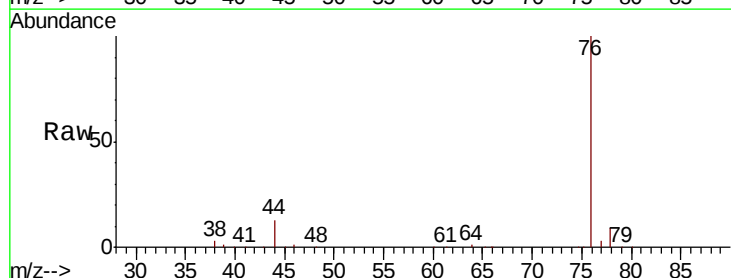
Acq: 03 Dec 2020 09:43

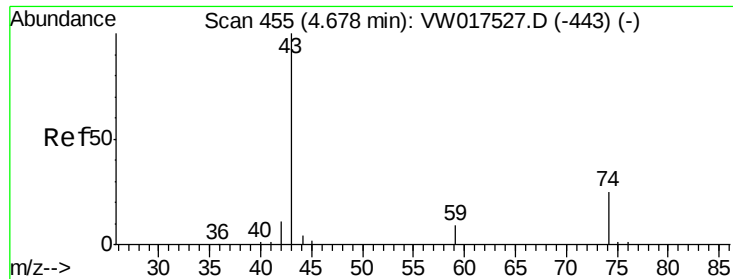
Tgt Ion: 76 Resp: 412167

Ion Ratio Lower Upper

76 100

78 8.7 7.0 10.4





#15

Methyl Acetate

Concen: 25.184 ug/L

RT: 4.68 min Scan# 455

Delta R.T. 0.00 min

Lab File: VW017527.D

Acq: 03 Dec 2020 09:43

Instrument :

MSVOA_W

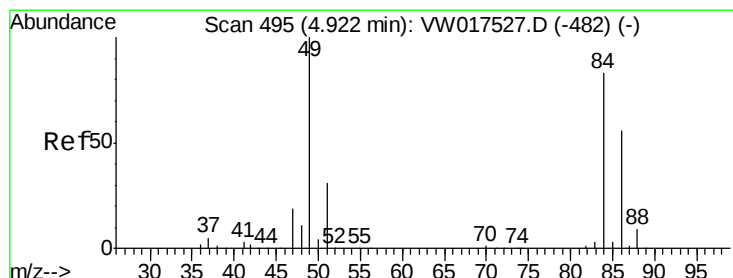
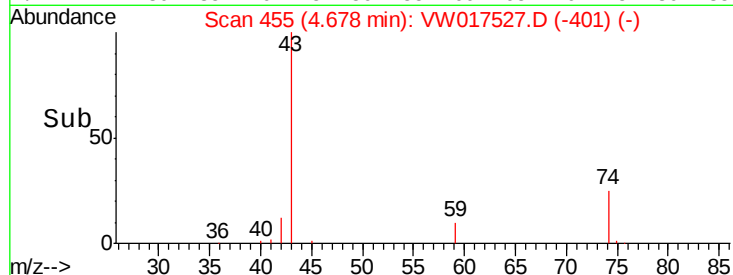
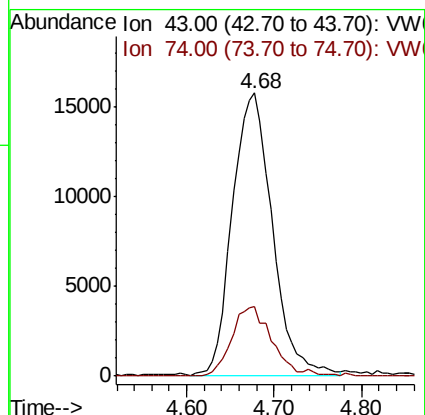
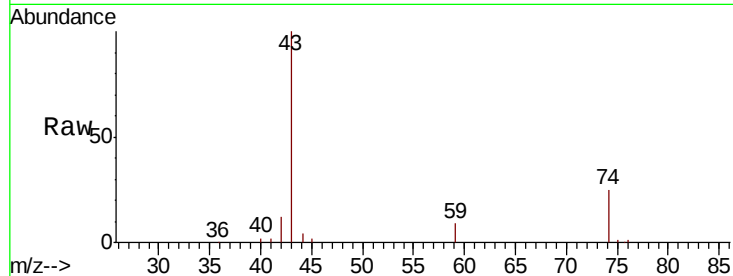
ClientSampleId :

Tot Ion: 43 Resp: 50263

Ion Ratio Lower Upper

43 100

74 23.8 20.7 31.1



#16

Methylene chloride

Concen: 22.803 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.00 min

Lab File: VW017527.D

Acq: 03 Dec 2020 09:43

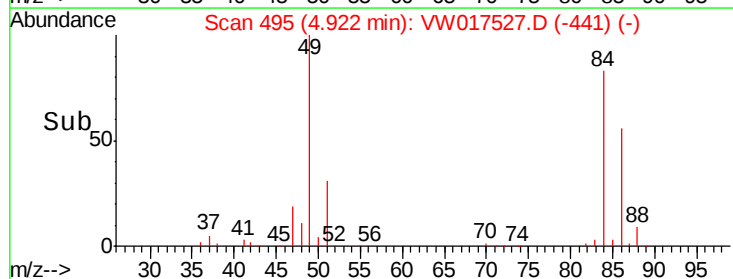
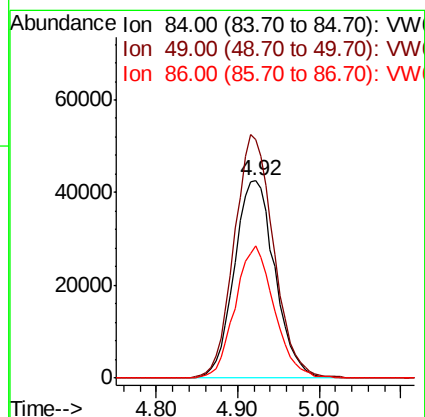
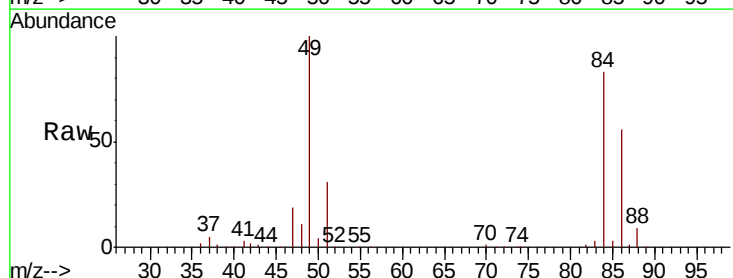
Tgt Ion: 84 Resp: 147057

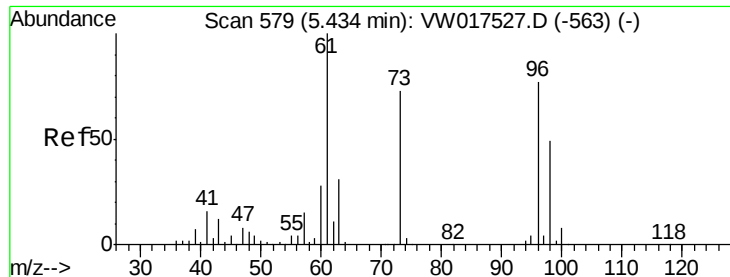
Ion Ratio Lower Upper

84 100

49 120.9 81.2 150.8

86 67.3 44.5 82.7

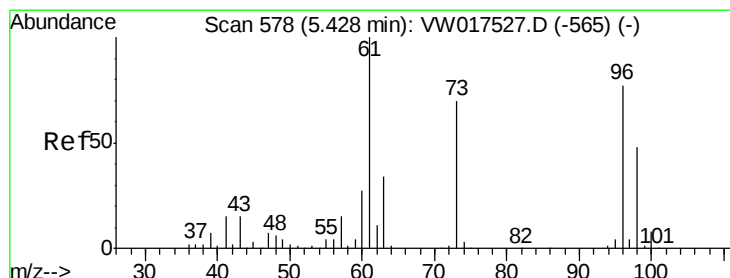
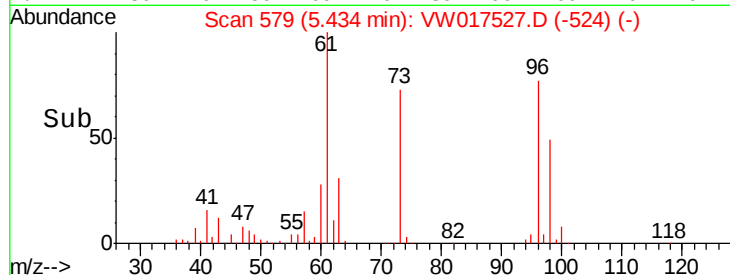
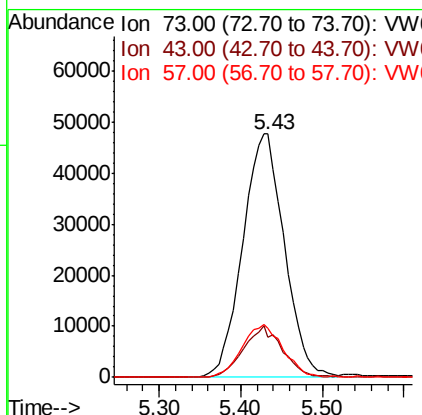
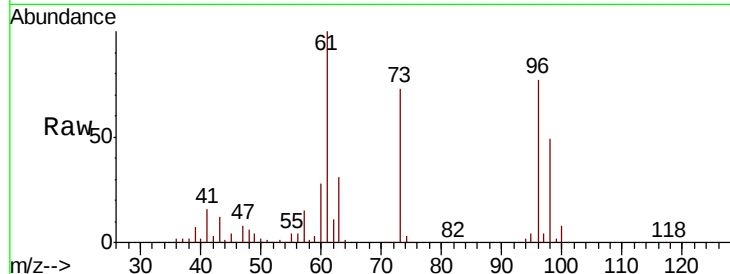




#17
Methvl tert-butvl Ether
Concen: 26.475 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW017527.D
Acq: 03 Dec 2020 09:43

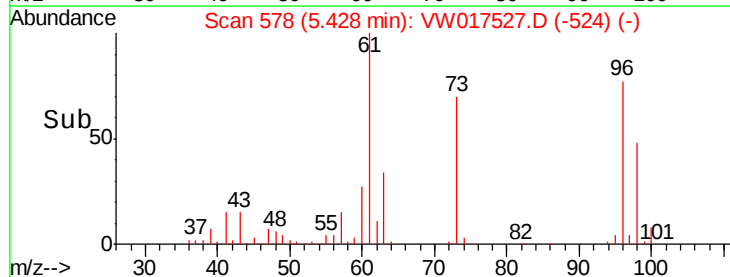
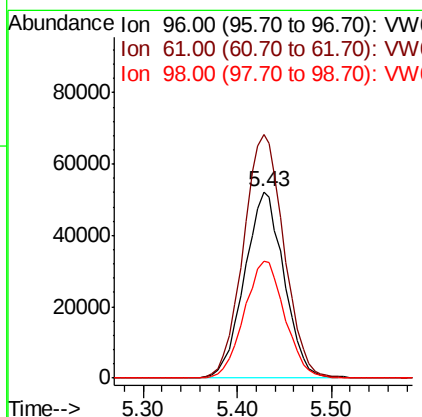
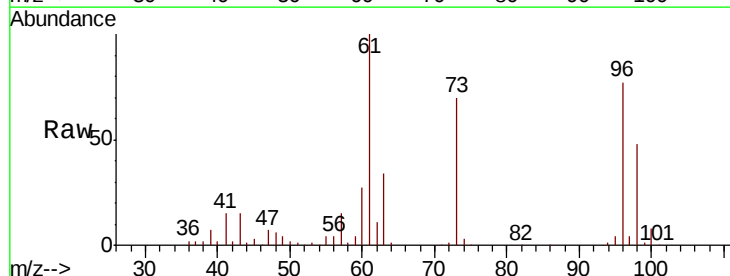
Instrument :
MSVOA_W
ClientSampleId :

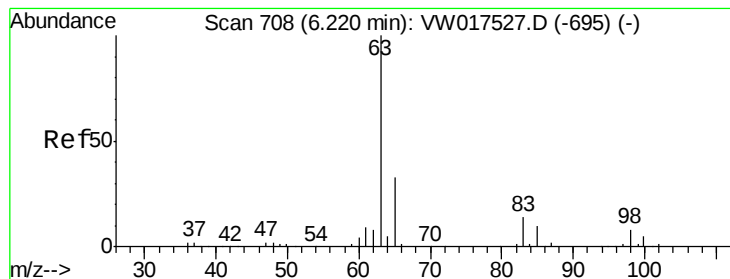
Tot Ion: 73 Resp: 169598
Ion Ratio Lower Upper
73 100
43 19.9 16.2 24.4
57 21.3 17.2 25.8



#18
trans-1,2-Dichloroethene
Concen: 25.015 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW017527.D
Acq: 03 Dec 2020 09:43

Tgt Ion: 96 Resp: 153153
Ion Ratio Lower Upper
96 100
61 130.7 92.7 172.1
98 62.8 43.3 80.3





#19

1,1-Dichloroethane

Concen: 25.644 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW017527.D

Acq: 03 Dec 2020 09:43

Instrument :

MSVOA_W

ClientSampled :

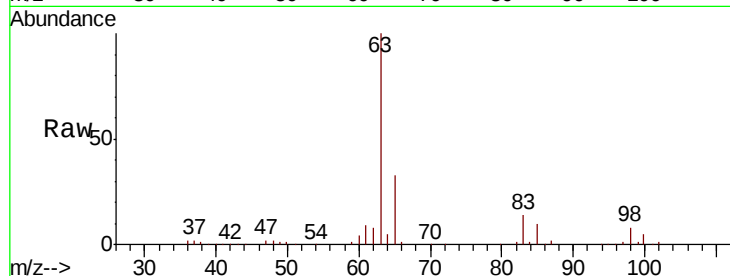
Tot Ion: 63 Resp: 265087

Ion Ratio Lower Upper

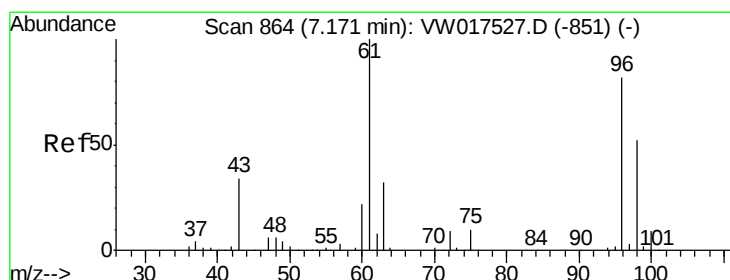
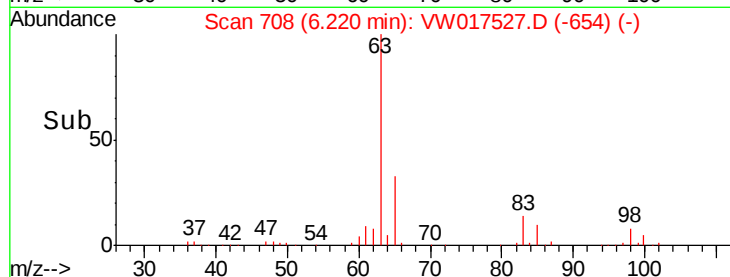
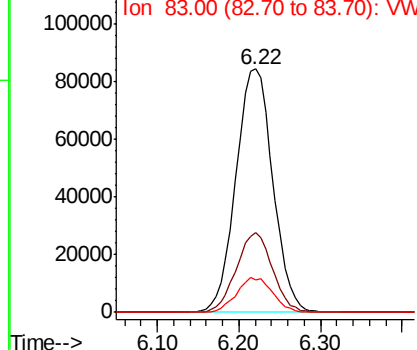
63 100

65 32.8 21.9 40.7

83 13.6 9.4 17.6



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: 51.227 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW017527.D

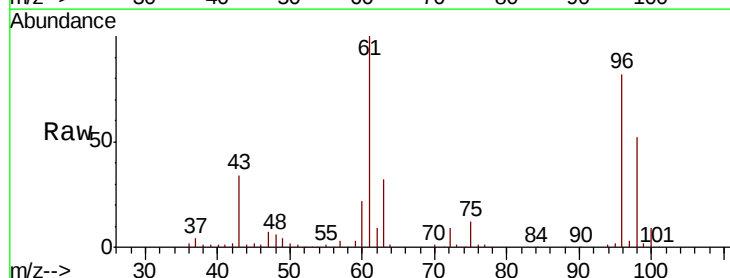
Acq: 03 Dec 2020 09:43

Tgt Ion: 43 Resp: 70289

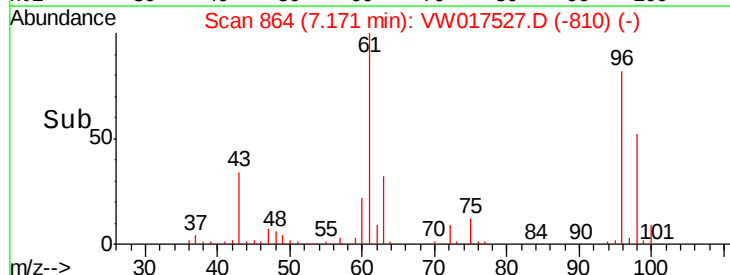
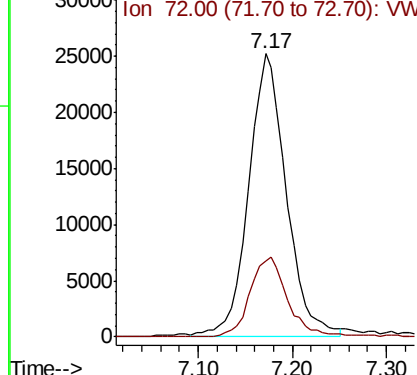
Ion Ratio Lower Upper

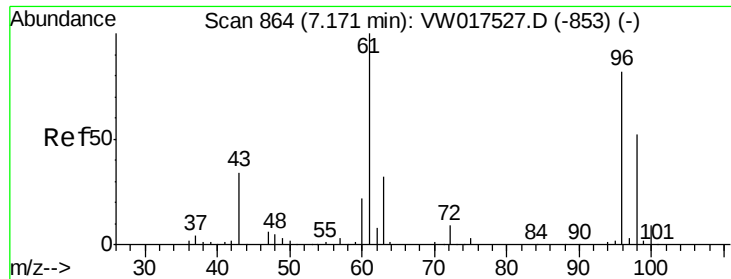
43 100

72 27.8 14.4 43.2



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



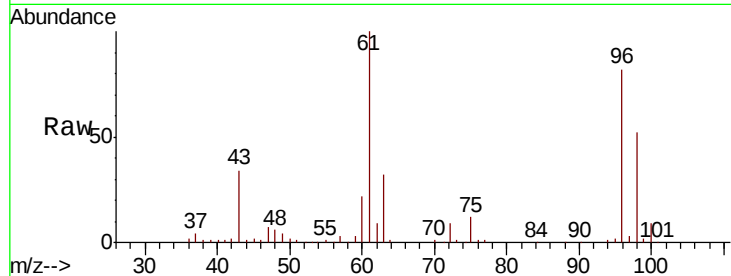


#22

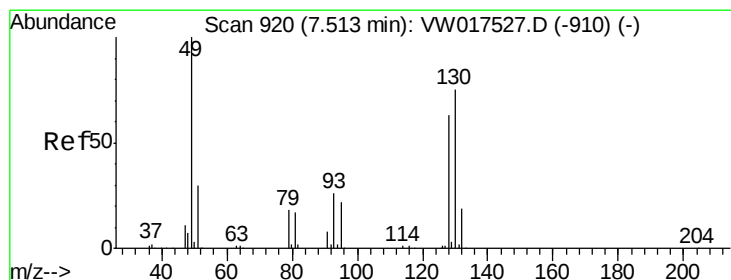
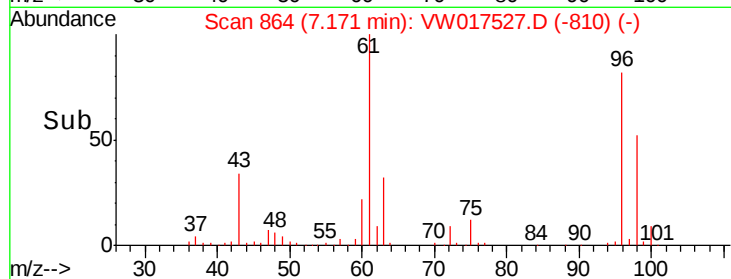
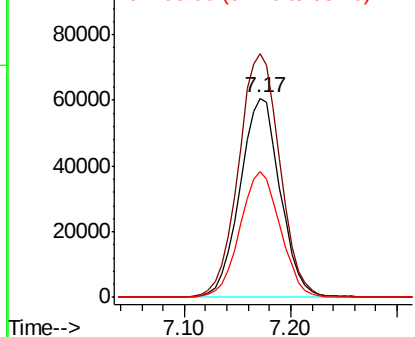
cis-1,2-Dichloroethene
Concen: 25.138 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW017527.D
Acq: 03 Dec 2020 09:43

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 96 Resp: 160579
Ion Ratio Lower Upper
96 100
61 122.2 84.6 157.2
98 63.3 44.7 82.9



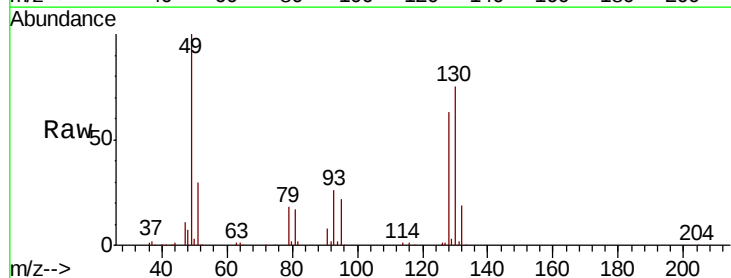
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



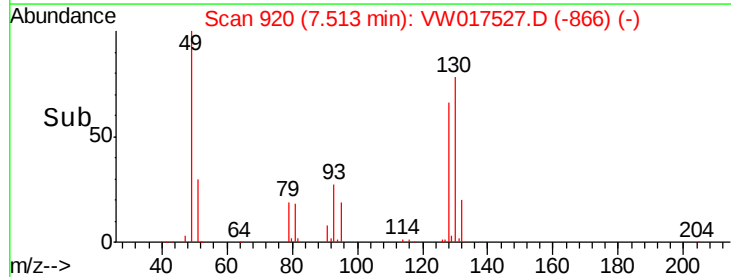
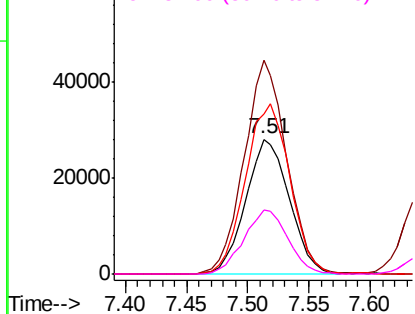
#23

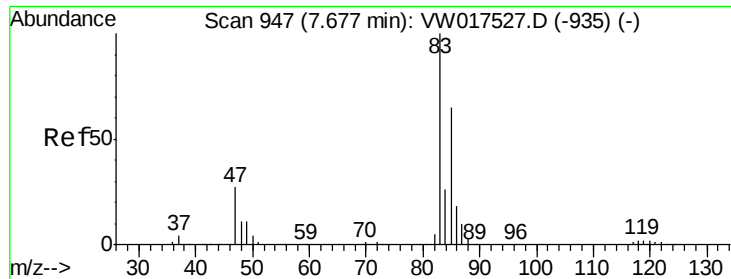
Bromochloromethane
Concen: 23.972 ug/L
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW017527.D
Acq: 03 Dec 2020 09:43

Tgt Ion:128 Resp: 69559
Ion Ratio Lower Upper
128 100
49 158.3 101.6 188.6
130 118.2 90.4 167.8
51 47.3 37.7 56.5



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

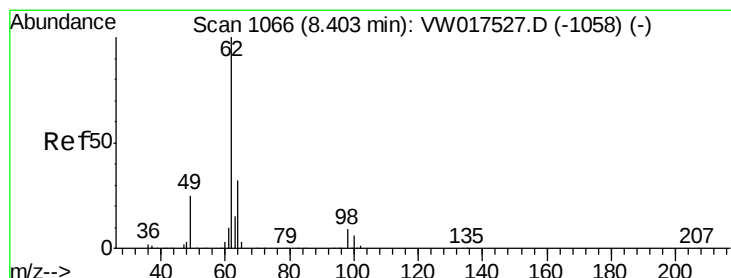
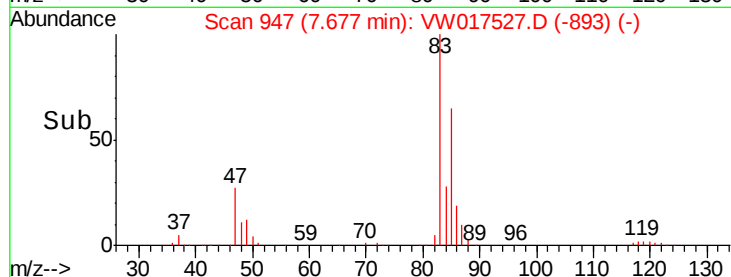
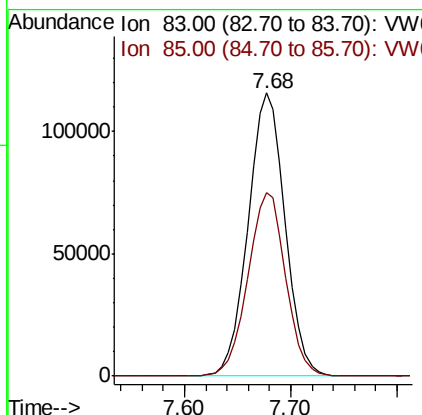
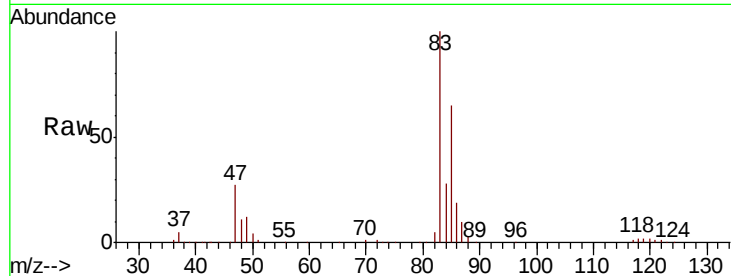




#25
Chloroform
Concen: 25.818 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW017527.D
Acq: 03 Dec 2020 09:43

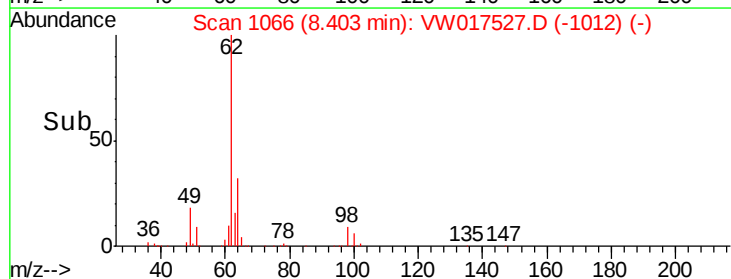
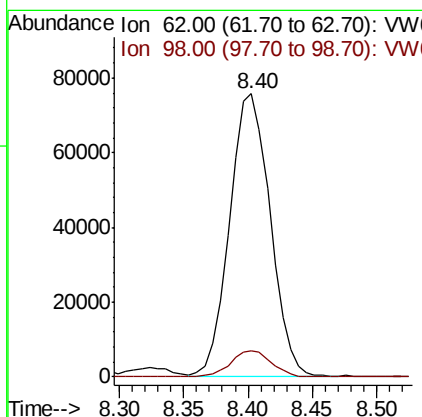
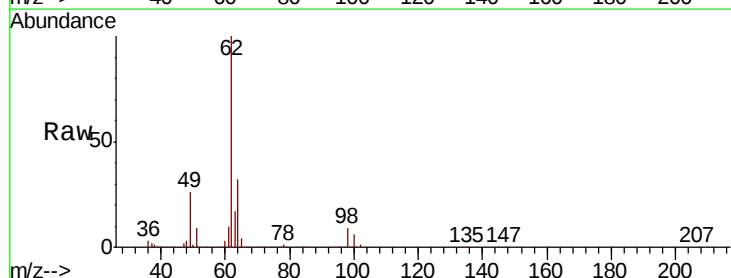
Instrument :
MSVOA_W
ClientSampled :

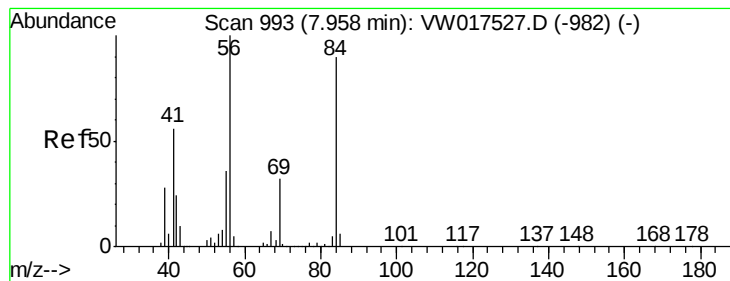
Tot Ion: 83 Resp: 281744
Ion Ratio Lower Upper
83 100
85 66.5 45.7 84.9



#27
1,2-Dichloroethane
Concen: 25.355 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW017527.D
Acq: 03 Dec 2020 09:43

Tgt Ion: 62 Resp: 166640
Ion Ratio Lower Upper
62 100
98 9.3 8.0 12.0





#30

Cyclohexane

Concen: 25.782 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW017527.D

Acq: 03 Dec 2020 09:43

Instrument :
MSVOA_W
ClientSampleId :

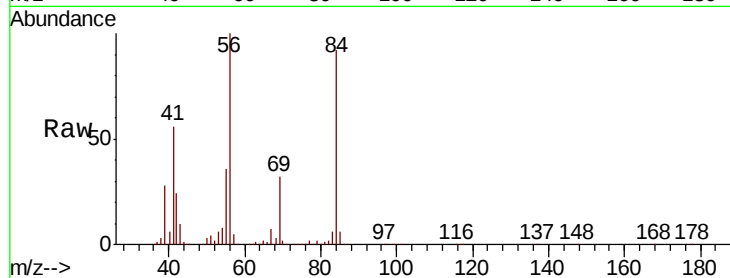
Tot Ion: 56 Resp: 237106

Ion Ratio Lower Upper

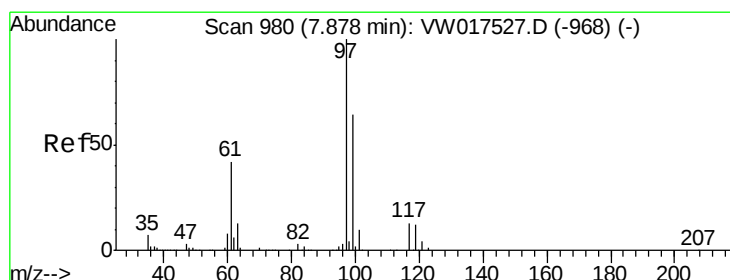
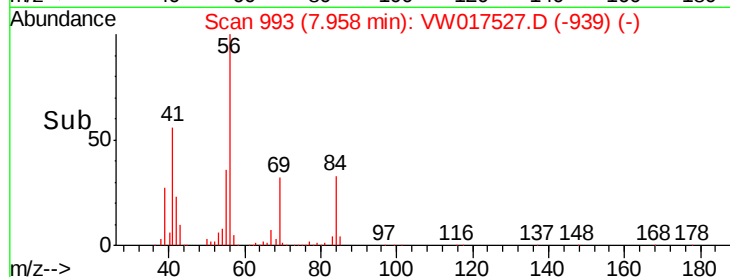
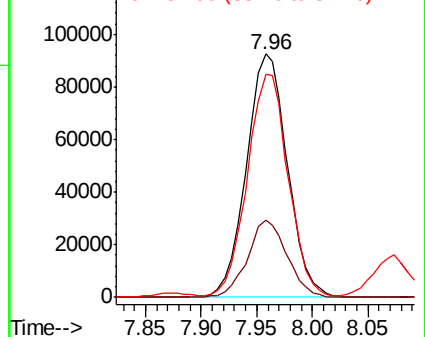
56 100

69 30.8 24.8 37.2

84 91.6 74.2 111.4



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



#31

1,1,1-Trichloroethane

Concen: 26.627 ug/L

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW017527.D

Acq: 03 Dec 2020 09:43

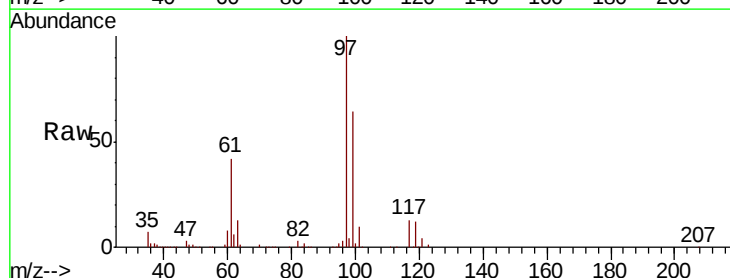
Tgt Ion: 97 Resp: 242975

Ion Ratio Lower Upper

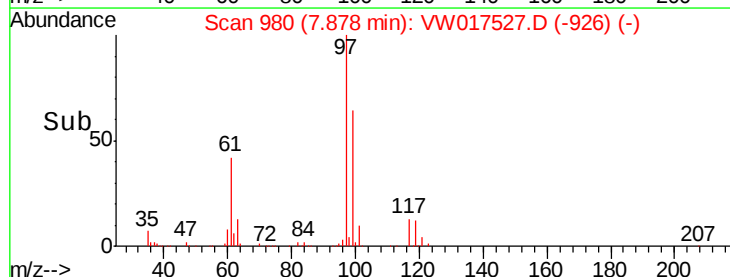
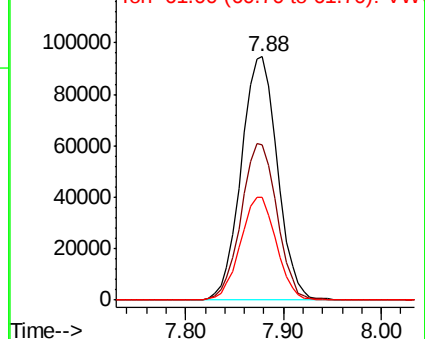
97 100

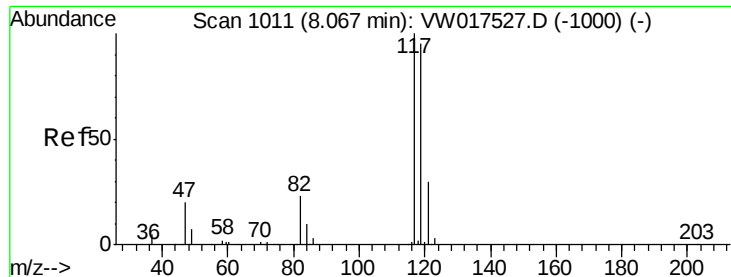
99 63.7 51.0 76.4

61 41.9 33.6 50.4



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





#32

Carbon tetrachloride

Concen: 26.596 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VW017527.D

Acq: 03 Dec 2020 09:43

Instrument :

MSVOA_W

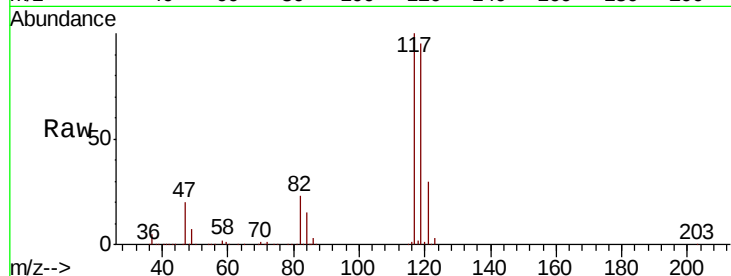
ClientSampled :

Tot Ion:117 Resp: 235654

Ion Ratio Lower Upper

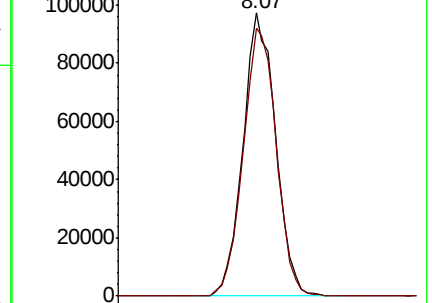
117 100

119 95.9 75.8 113.8

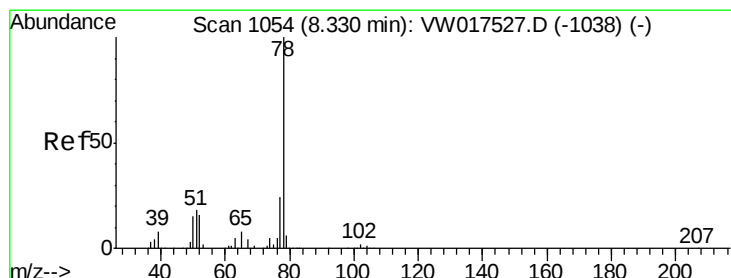
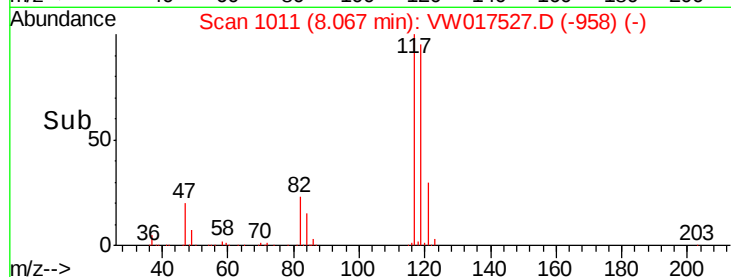


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



Time-->



#34

Benzene

Concen: 25.688 ug/L

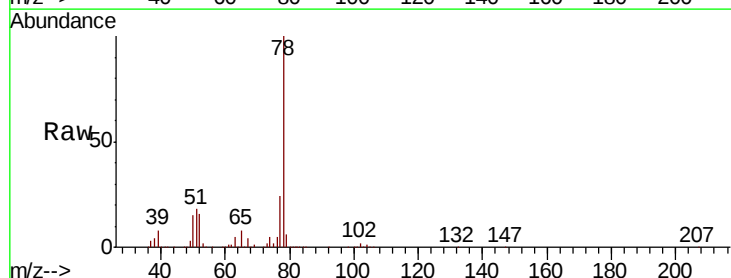
RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

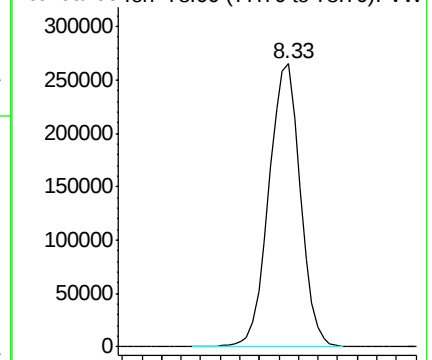
Lab File: VW017527.D

Acq: 03 Dec 2020 09:43

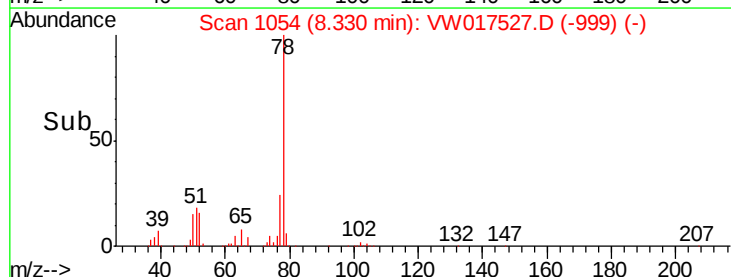
Tgt Ion: 78 Resp: 595281

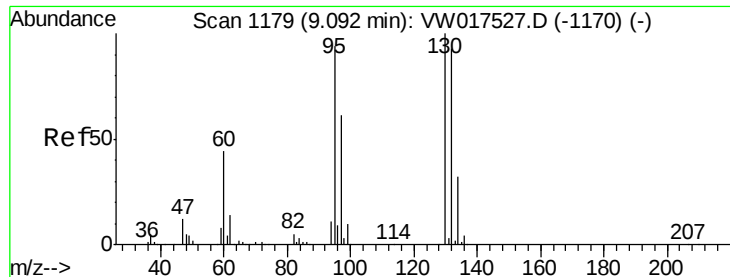


Abundance Ion 78.00 (77.70 to 78.70): VW



Time-->





#35

Trichloroethene

Concen: 25.603 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW017527.D

Acq: 03 Dec 2020 09:43

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 95 Resp: 164478

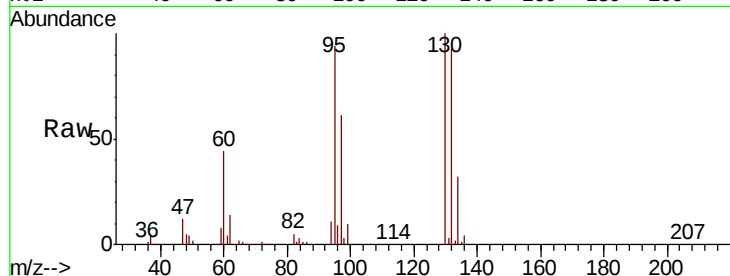
Ion Ratio Lower Upper

95 100

97 64.2 45.0 83.6

132 98.7 71.0 131.8

130 106.2 75.6 140.4

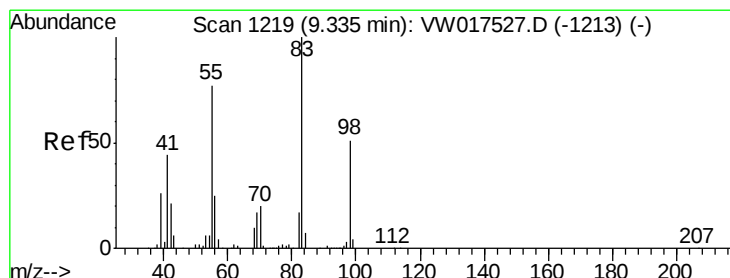
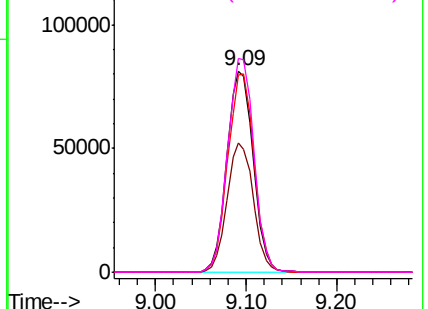
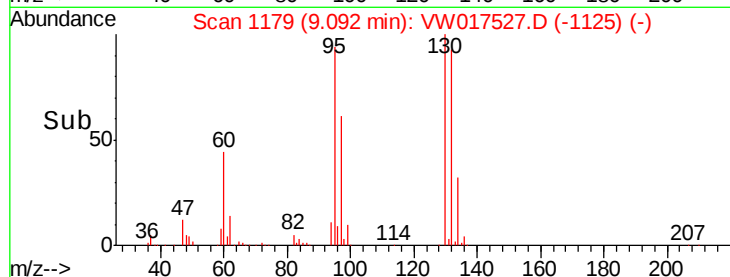


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#36

Methylcyclohexane

Concen: 25.485 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW017527.D

Acq: 03 Dec 2020 09:43

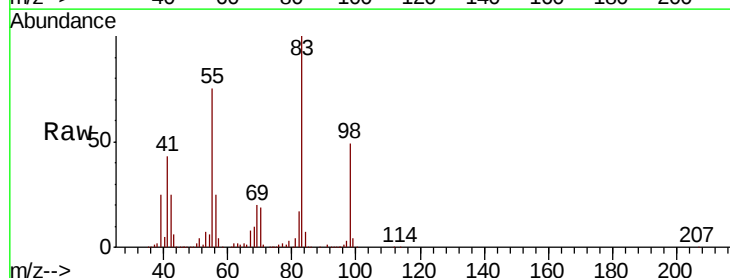
Tgt Ion: 83 Resp: 270742

Ion Ratio Lower Upper

83 100

55 74.3 59.4 89.0

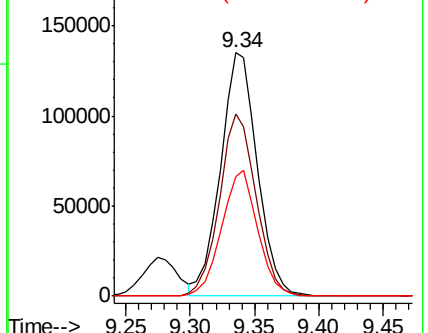
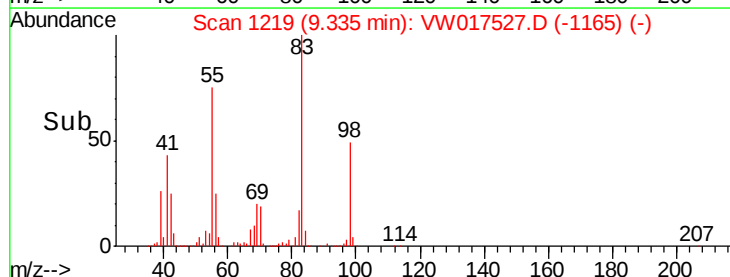
98 50.6 40.7 61.1

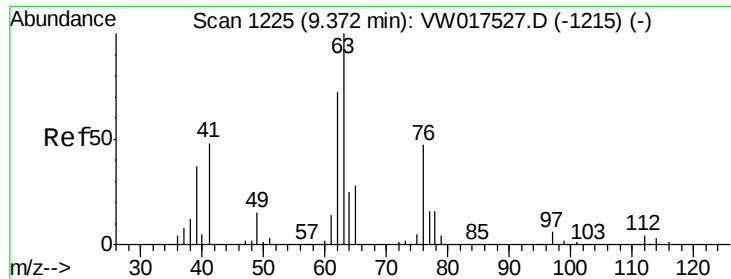


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

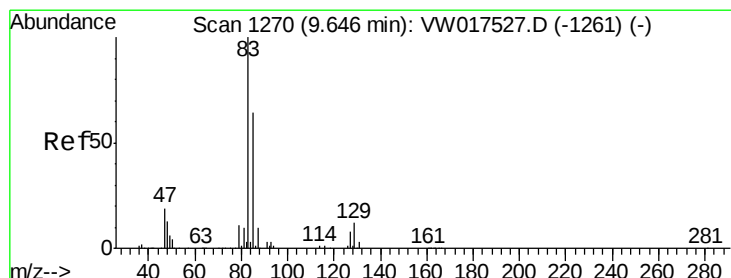
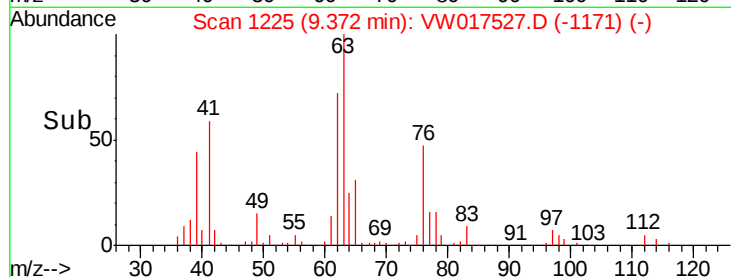
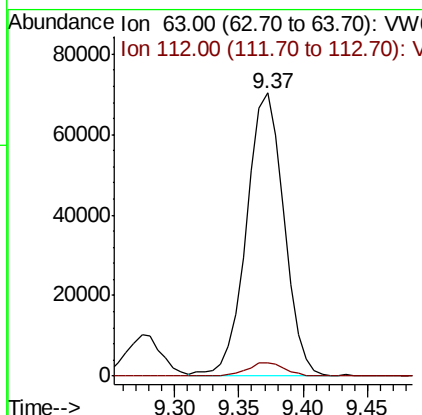
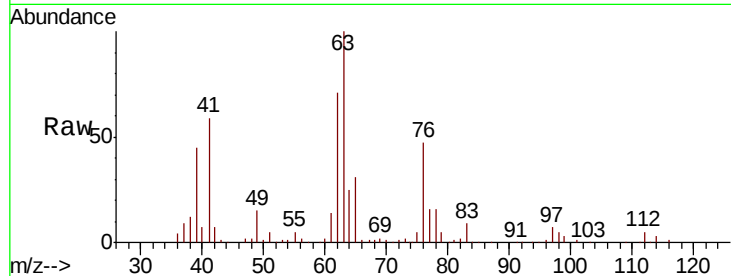




#40
 1,2-Dichloropropane
 Concen: 26.075 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW017527.D
 Acq: 03 Dec 2020 09:43

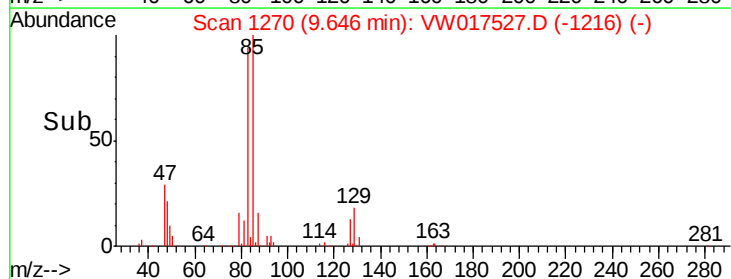
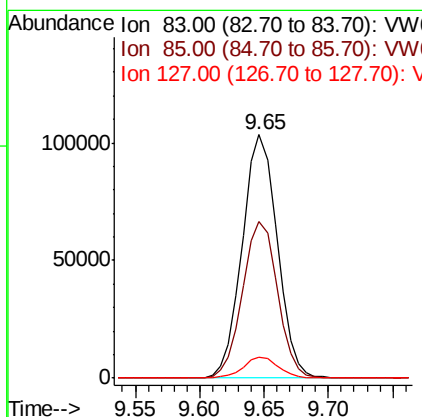
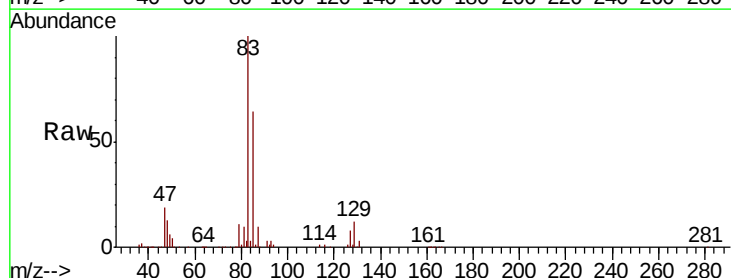
Instrument :
 MSVOA_W
 ClientSampled :

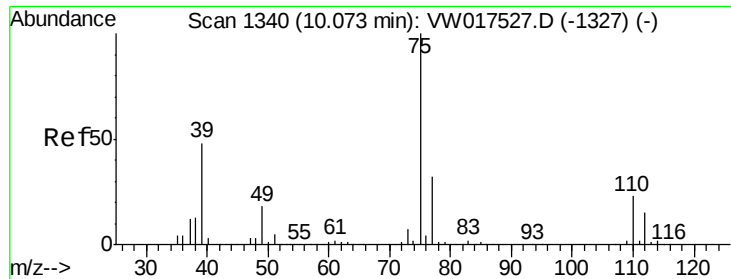
Tot Ion: 63 Resp: 141926
 Ion Ratio Lower Upper
 63 100
 112 4.8 4.2 6.4



#41
 Bromodichloromethane
 Concen: 25.991 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW017527.D
 Acq: 03 Dec 2020 09:43

Tgt Ion: 83 Resp: 195467
 Ion Ratio Lower Upper
 83 100
 85 64.1 46.8 86.8
 127 8.3 7.6 11.4

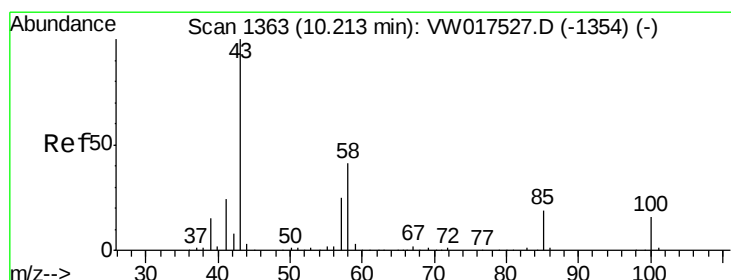
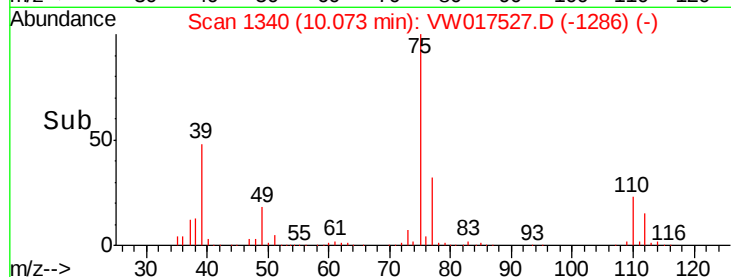
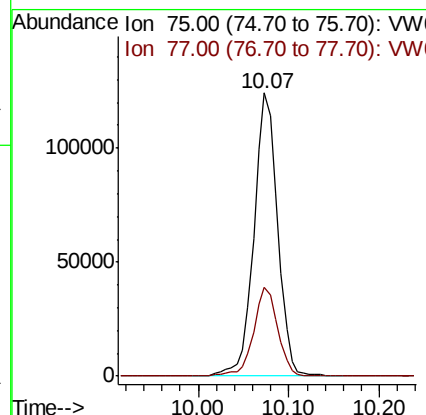
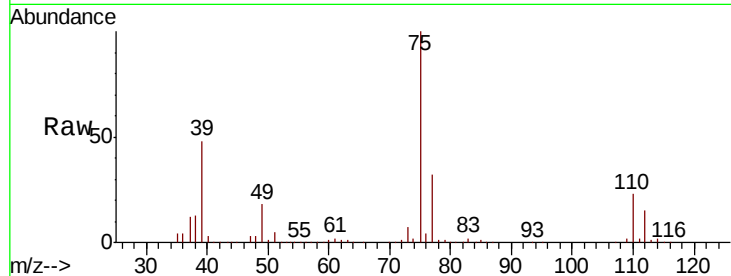




#42
 cis-1,3-Dichloropropene
 Concen: 26.652 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW017527.D
 Acq: 03 Dec 2020 09:43

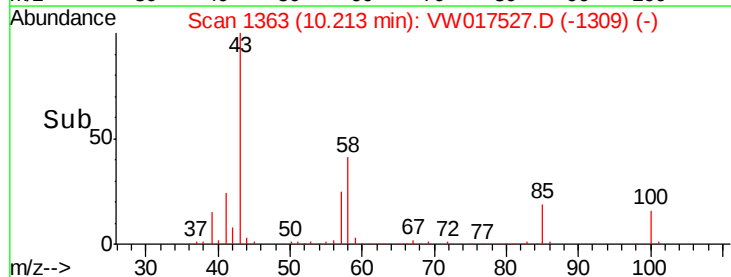
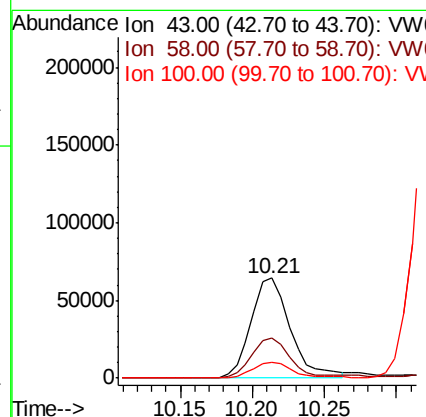
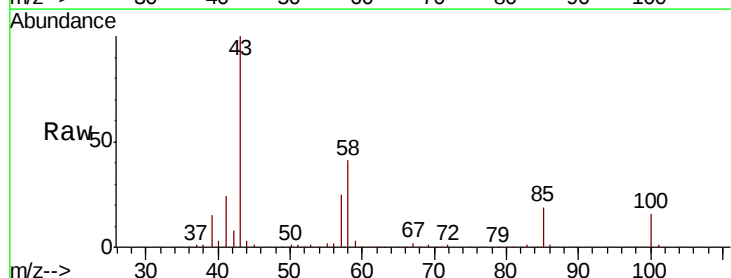
Instrument :
 MSVOA_W
 ClientSampled :

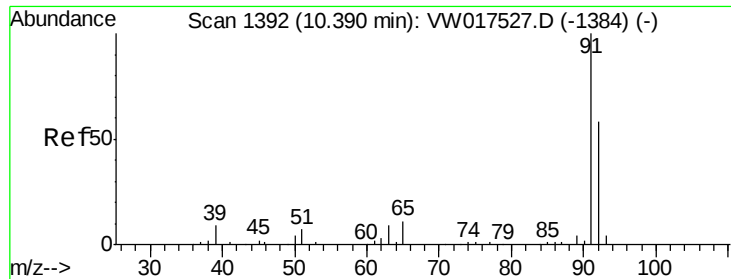
Tot Ion: 75 Resp: 224699
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.7 42.3



#43
 4-Methyl-2-pentanone
 Concen: 49.046 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW017527.D
 Acq: 03 Dec 2020 09:43

Tgt Ion: 43 Resp: 122901
 Ion Ratio Lower Upper
 43 100
 58 39.5 31.6 47.4
 100 16.2 14.1 21.1





#44

Toluene

Concen: 26.044 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW017527.D

Acq: 03 Dec 2020 09:43

Instrument :

MSVOA_W

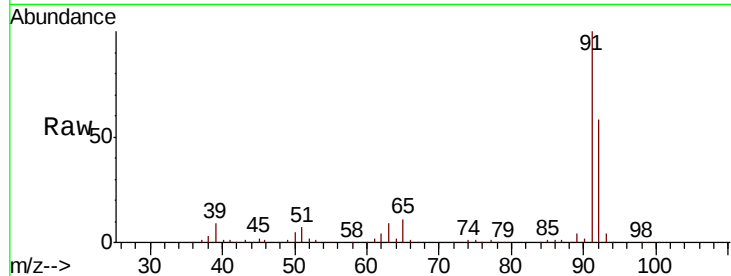
ClientSampleId :

Tot Ion: 91 Resp: 649440

Ion Ratio Lower Upper

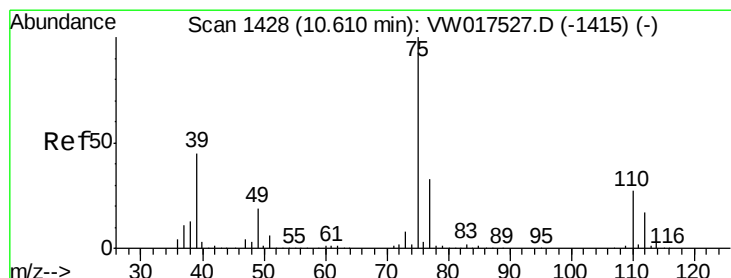
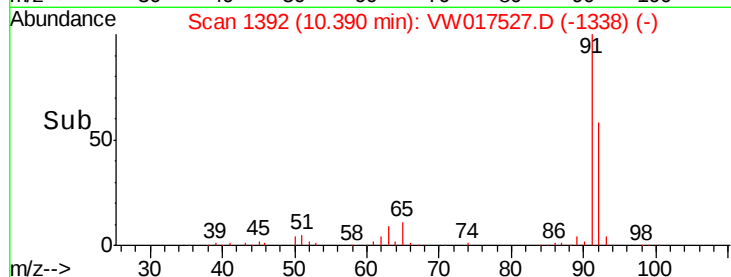
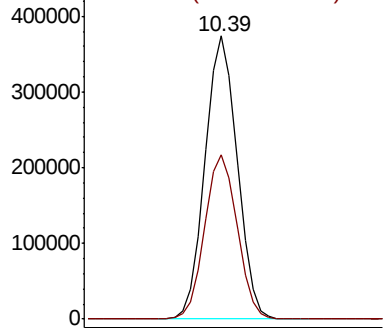
91 100

92 57.9 41.6 77.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW



#45

trans-1,3-Dichloropropene

Concen: 26.372 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW017527.D

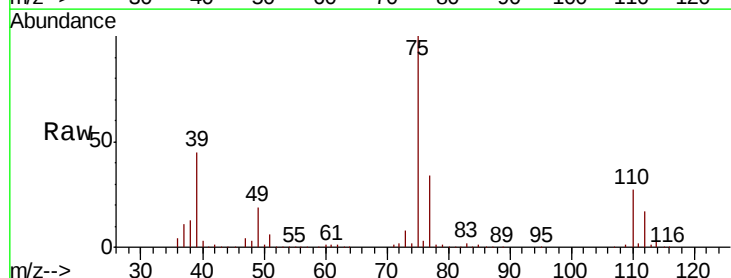
Acq: 03 Dec 2020 09:43

Tgt Ion: 75 Resp: 190527

Ion Ratio Lower Upper

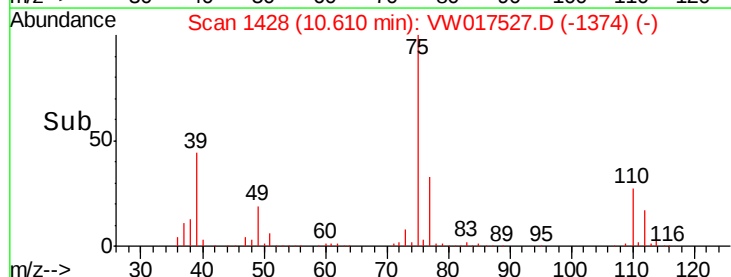
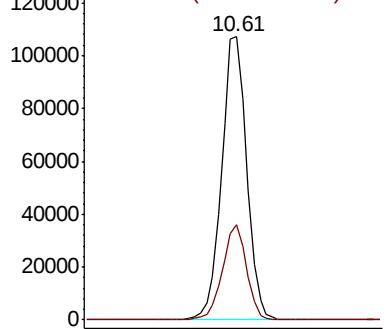
75 100

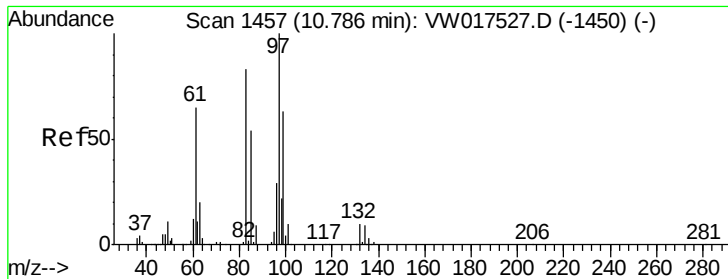
77 33.5 22.6 42.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#46

1,1,2-Trichloroethane

Concen: 25.189 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW017527.D

Acq: 03 Dec 2020 09:43

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 102728

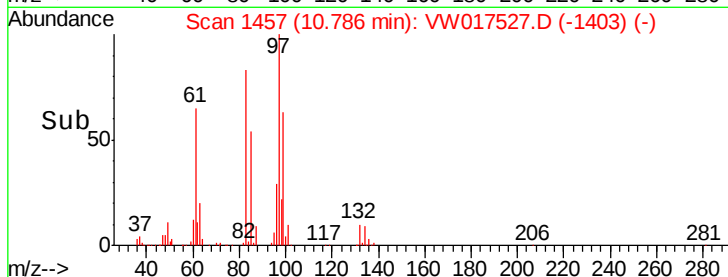
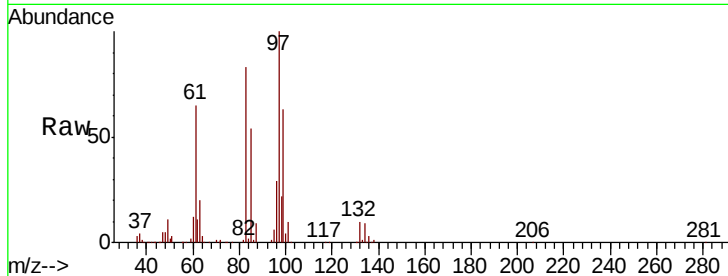
Ion	Ratio	Lower	Upper
97	100		
83	82.6	58.5	108.7
85	54.3	37.8	70.2
99	62.6	43.7	81.1

97 100

83 82.6 58.5 108.7

85 54.3 37.8 70.2

99 62.6 43.7 81.1



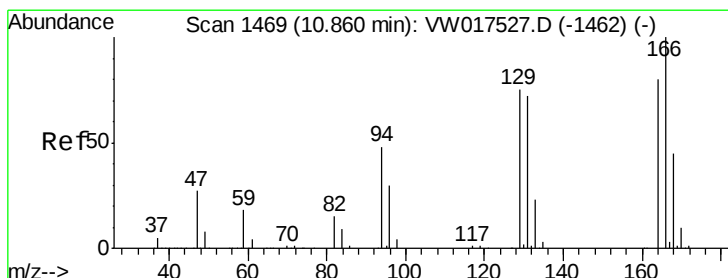
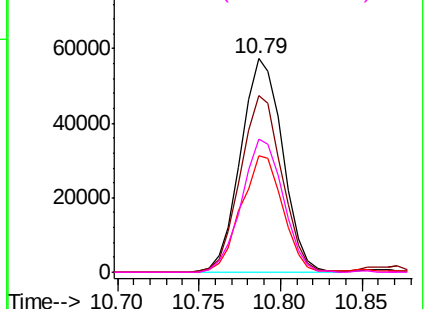
Abundance

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: 24.409 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VW017527.D

Acq: 03 Dec 2020 09:43

Tgt Ion: 164 Resp: 133606

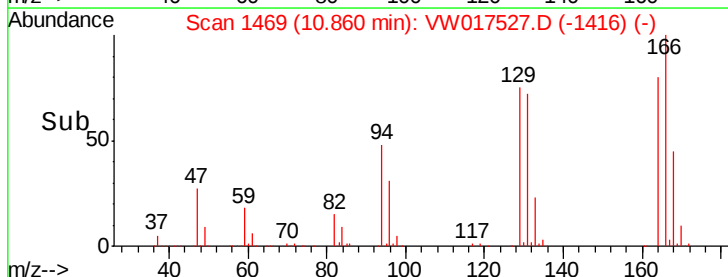
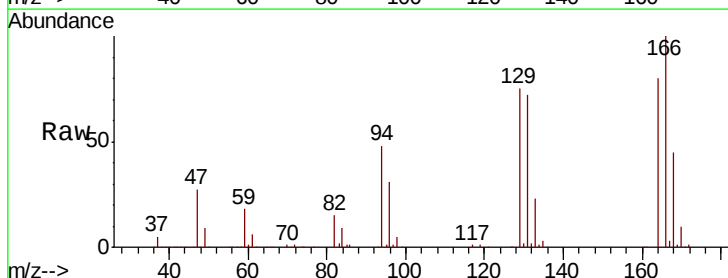
Ion	Ratio	Lower	Upper
164	100		
129	93.7	67.6	125.6
131	90.1	65.2	121.2
166	125.5	93.2	173.2

164 100

129 93.7 67.6 125.6

131 90.1 65.2 121.2

166 125.5 93.2 173.2



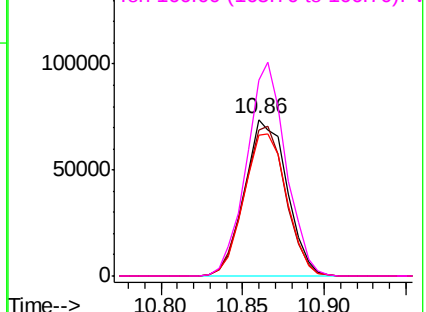
Abundance

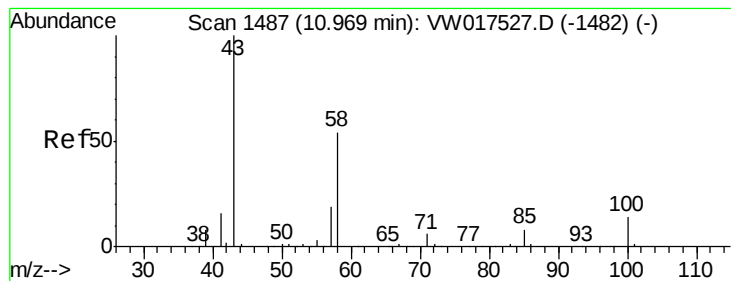
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#49

2-Hexanone

Concen: 53.419 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW017527.D

Acq: 03 Dec 2020 09:43

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 94535

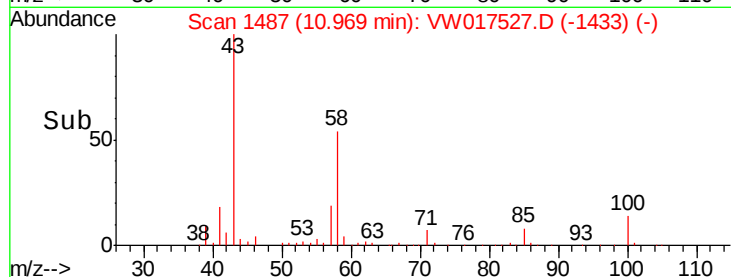
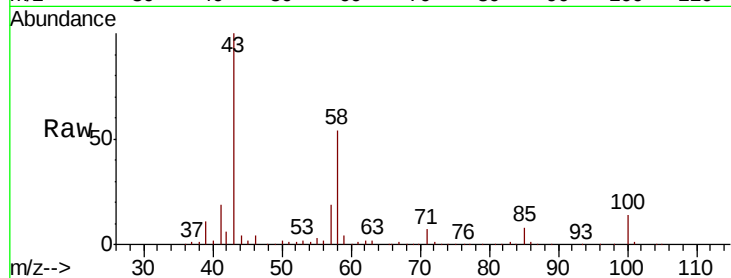
Ion Ratio Lower Upper

43 100

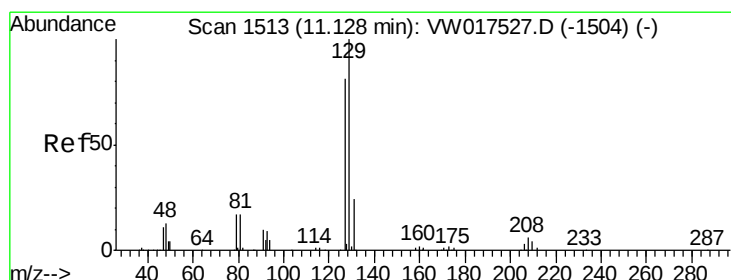
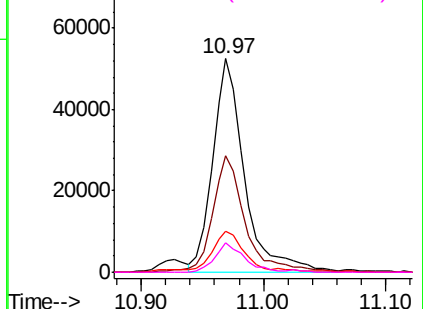
58 56.1 51.3 76.9

57 18.6 15.0 22.6

100 13.1 12.2 18.2



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW
Ion 57.00 (56.70 to 57.70): VW
Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 24.896 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW017527.D

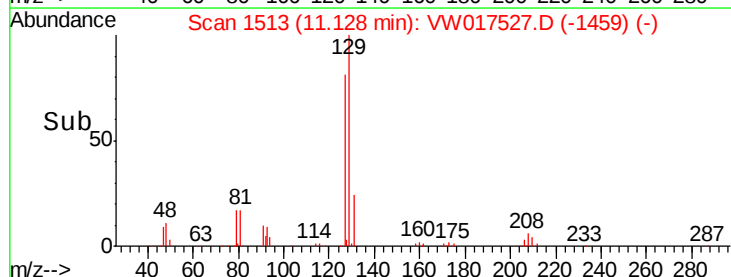
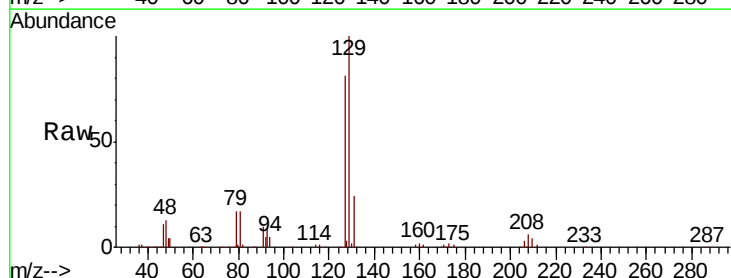
Acq: 03 Dec 2020 09:43

Tgt Ion: 129 Resp: 126830

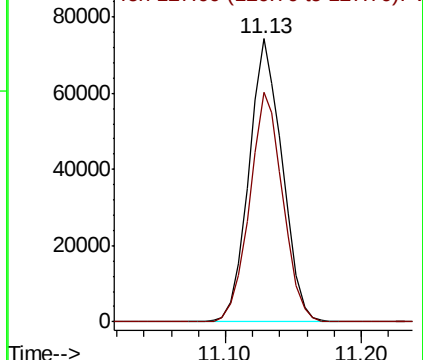
Ion Ratio Lower Upper

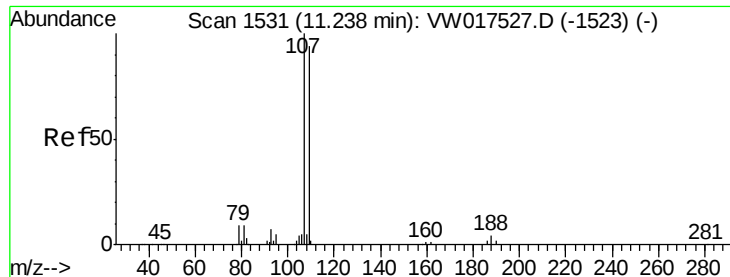
129 100

127 80.9 53.2 98.8



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

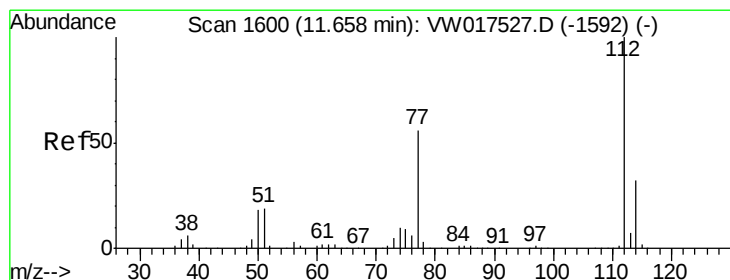
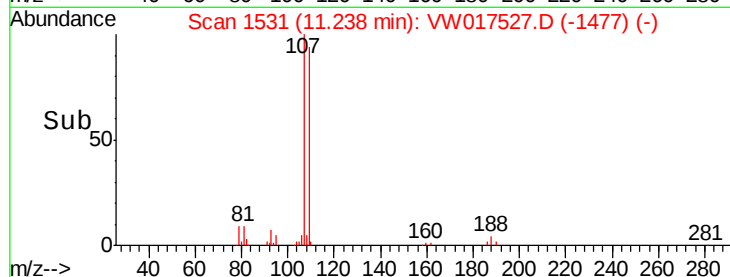
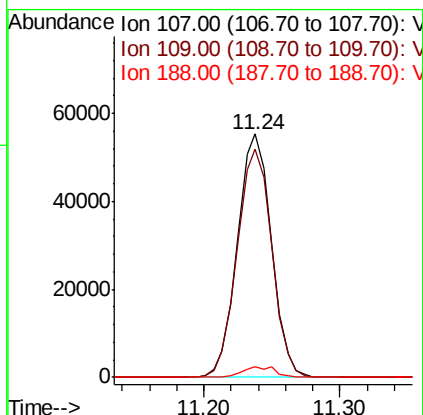
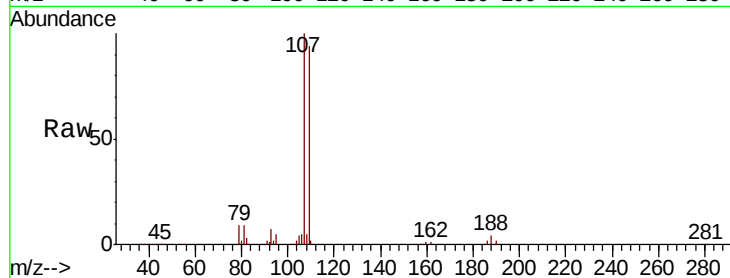




#51
1,2-Dibromoethane
Concen: 24.807 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW017527.D
Acq: 03 Dec 2020 09:43

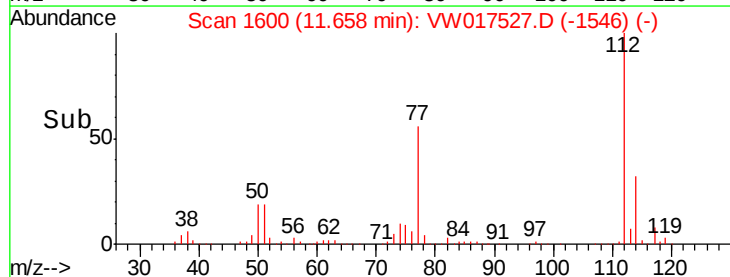
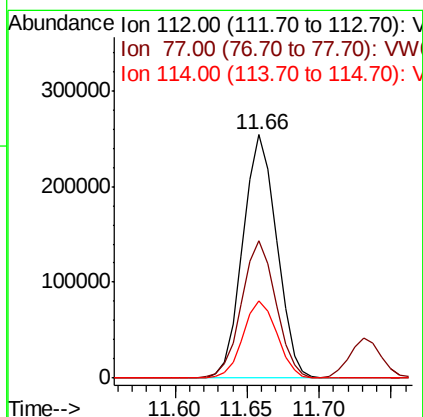
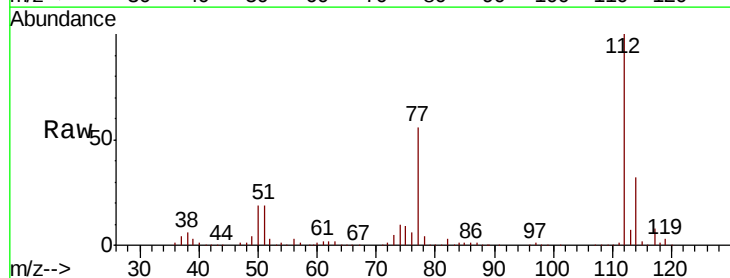
Instrument :
MSVOA_W
ClientSampleId :

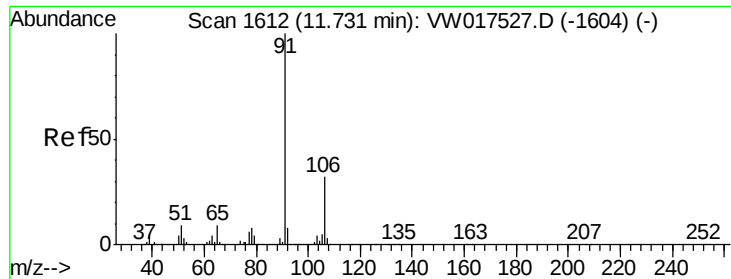
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	66.4	123.2
188	4.4	4.0	6.0



#52
Chlorobenzene
Concen: 25.470 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW017527.D
Acq: 03 Dec 2020 09:43

Tgt Ion	Ratio	Lower	Upper
112	100		
77	56.2	42.6	64.0
114	31.7	21.6	40.2

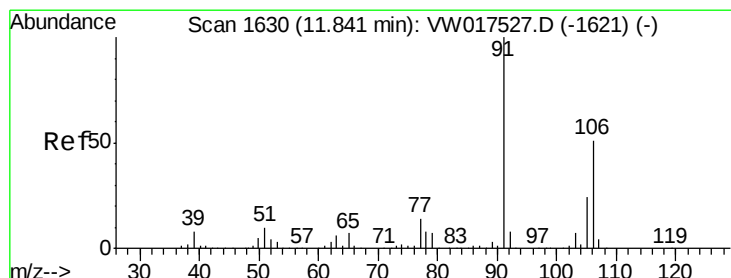
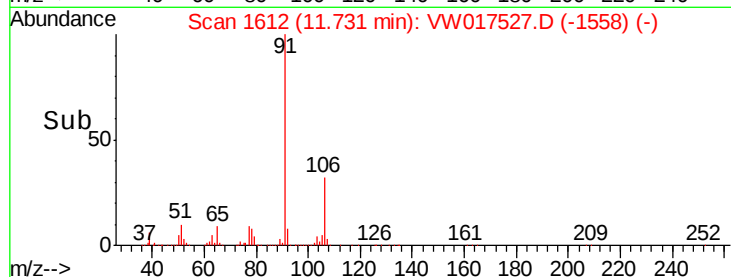
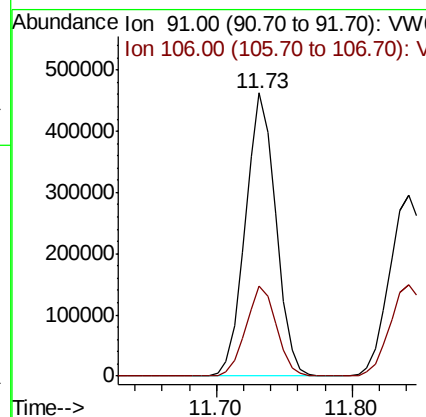
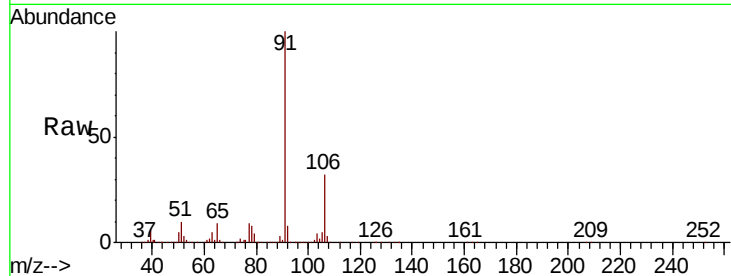




#53
Ethylbenzene
Concen: 25.661 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW017527.D
Acq: 03 Dec 2020 09:43

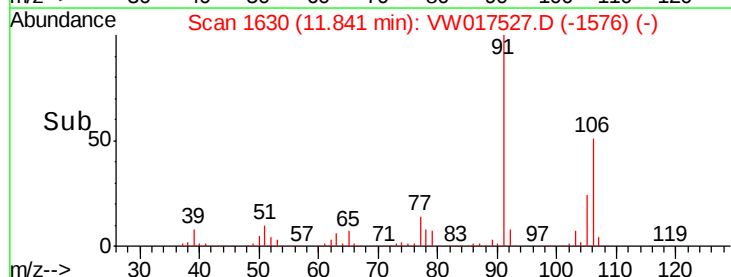
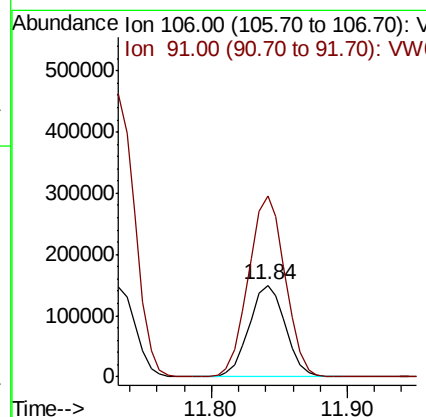
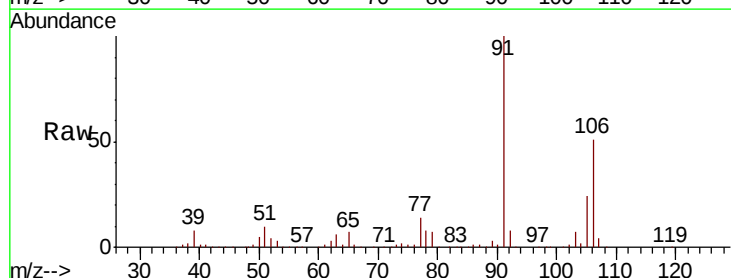
Instrument :
MSVOA_W
ClientSampled :

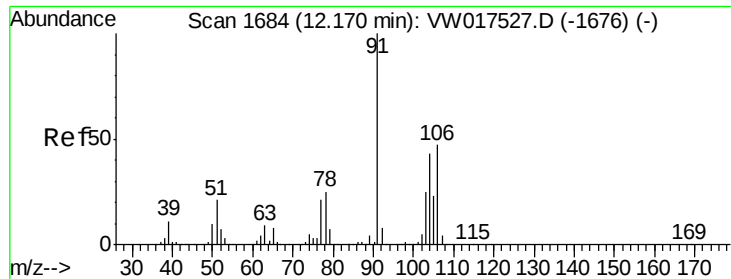
Tot Ion: 91 Resp: 725529
Ion Ratio Lower Upper
91 100
106 32.0 21.1 39.1



#54
m,p-Xylene
Concen: 25.911 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW017527.D
Acq: 03 Dec 2020 09:43

Tgt Ion: 106 Resp: 279513
Ion Ratio Lower Upper
106 100
91 197.3 136.4 253.4

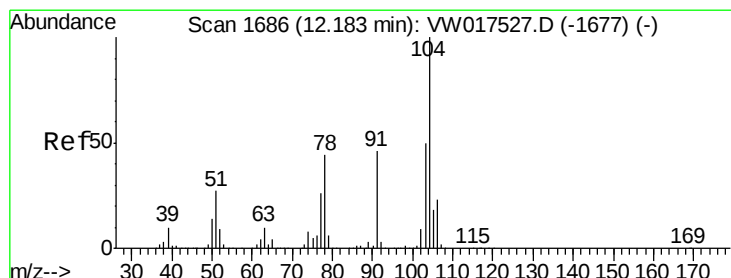
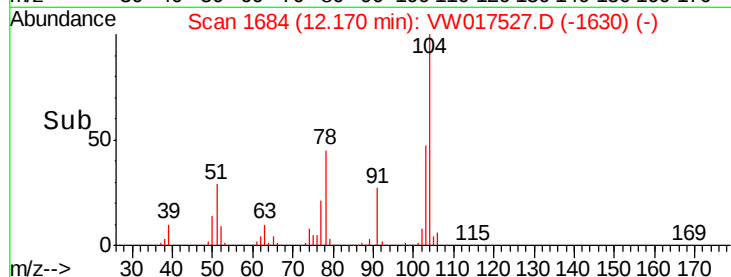
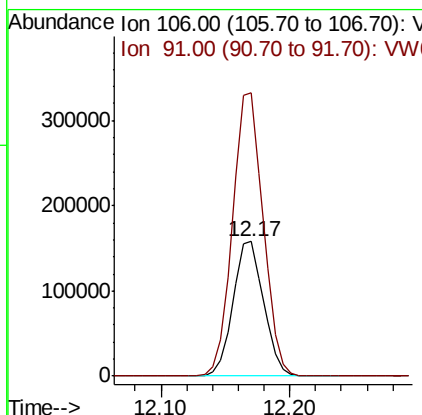
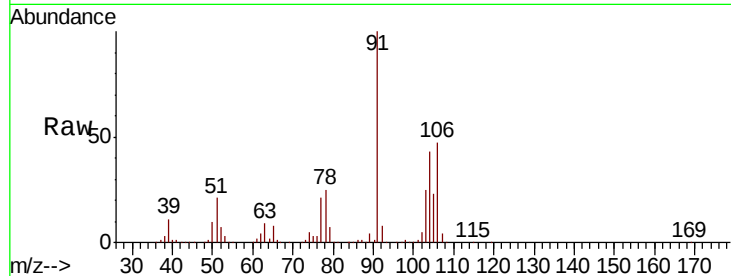




#55
o-xylene
Concen: 25.941 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW017527.D
Acq: 03 Dec 2020 09:43

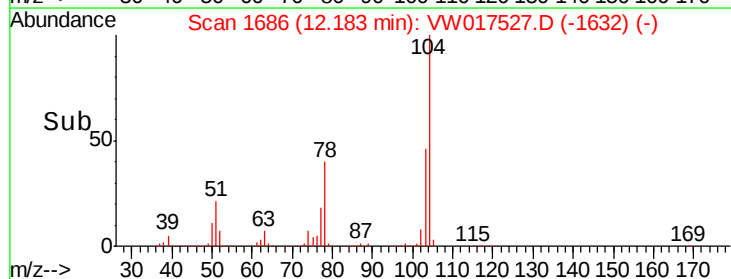
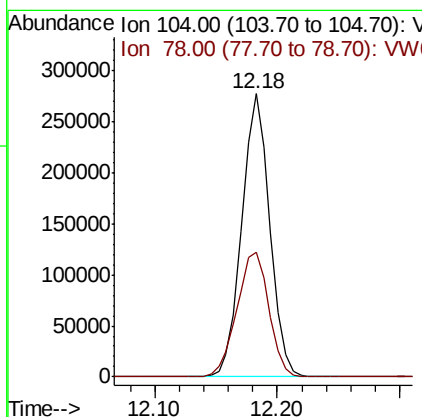
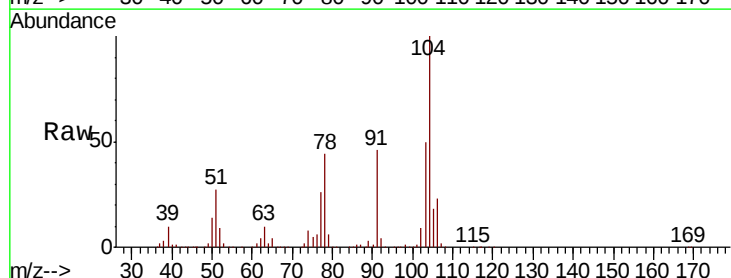
Instrument :
MSVOA_W
ClientSampled :

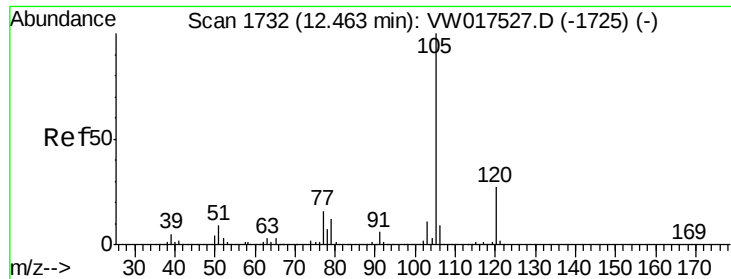
Tot Ion:106 Resp: 260637
Ion Ratio Lower Upper
106 100
91 210.7 147.6 274.2



#56
Styrene
Concen: 25.992 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW017527.D
Acq: 03 Dec 2020 09:43

Tgt Ion:104 Resp: 439314
Ion Ratio Lower Upper
104 100
78 44.0 31.3 58.1





#57

Isopropylbenzene

Concen: 26.489 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW017527.D

Acq: 03 Dec 2020 09:43

Instrument :

MSVOA_W

ClientSampled :

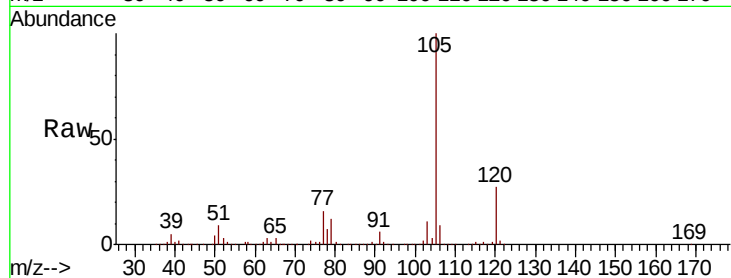
Tot Ion: 105 Resp: 731009

Ion Ratio Lower Upper

105 100

120 26.8 21.4 32.2

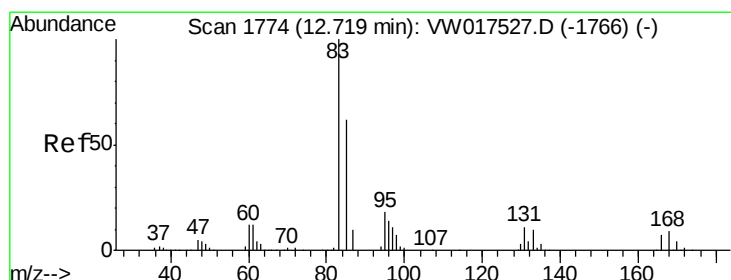
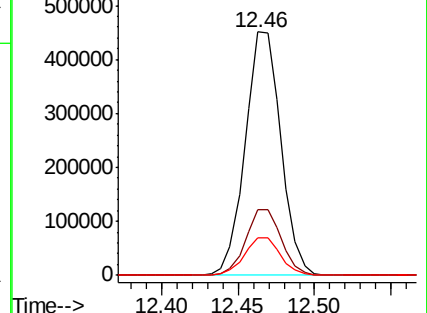
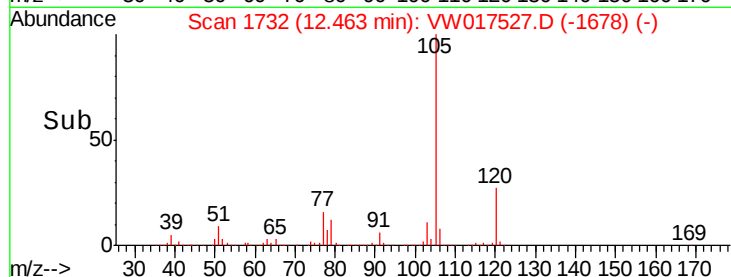
77 15.5 12.1 18.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 25.066 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW017527.D

Acq: 03 Dec 2020 09:43

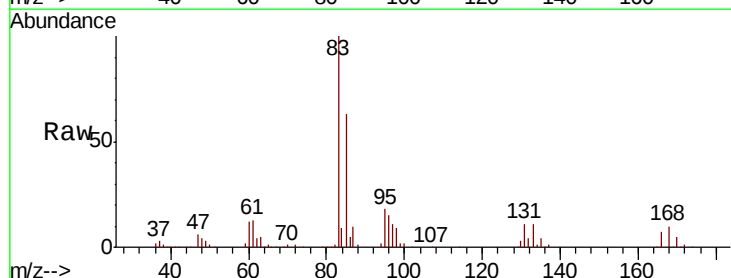
Tgt Ion: 83 Resp: 110031

Ion Ratio Lower Upper

83 100

85 62.5 45.3 84.1

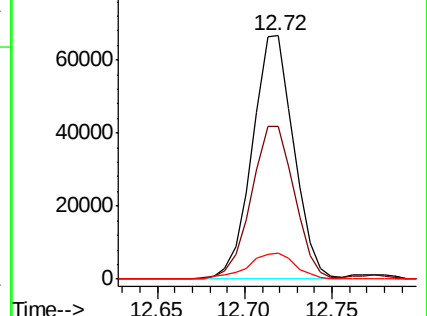
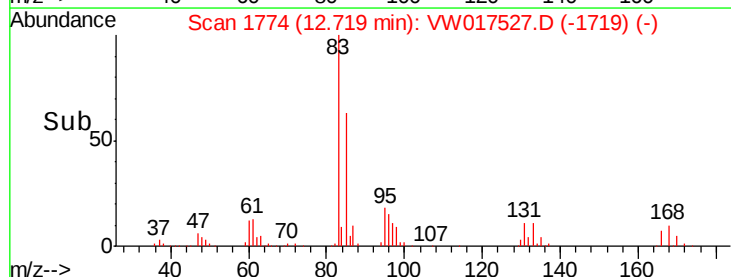
131 10.9 8.3 12.5

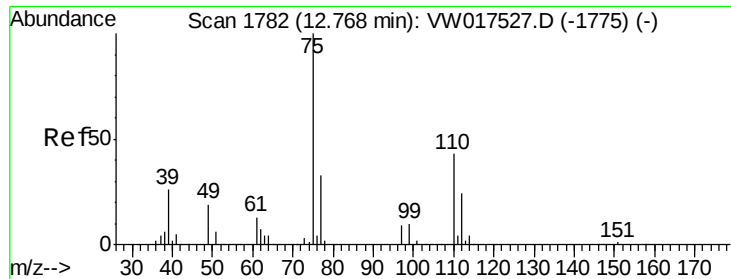


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 24.763 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW017527.D

Acq: 03 Dec 2020 09:43

Instrument :

MSVOA_W

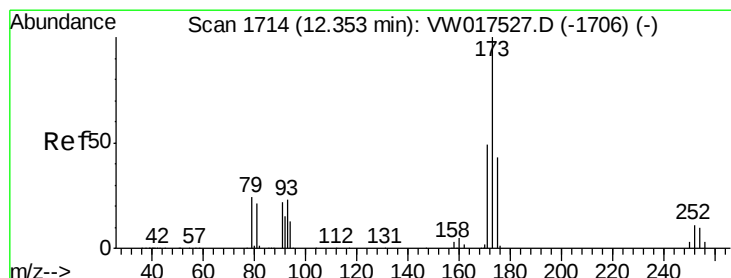
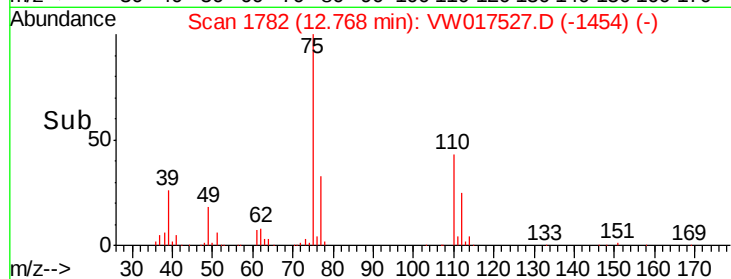
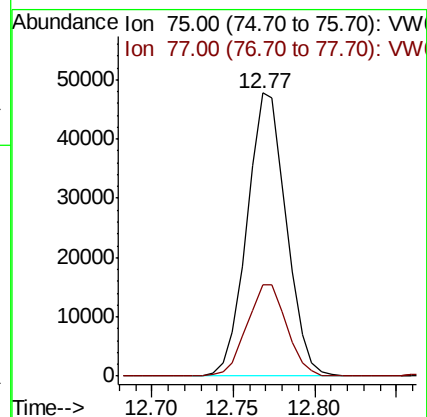
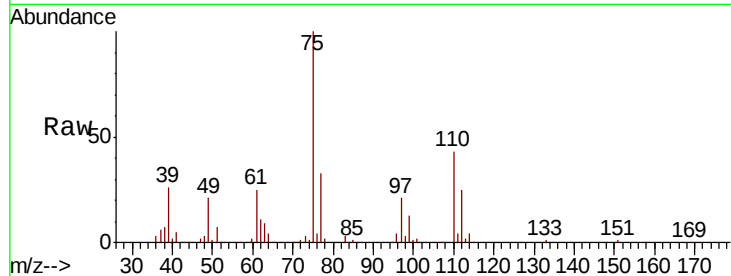
ClientSampled :

Tot Ion: 75 Resp: 80233

Ion Ratio Lower Upper

75 100

77 32.8 26.6 39.8



#62

Bromoform

Concen: 25.466 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW017527.D

Acq: 03 Dec 2020 09:43

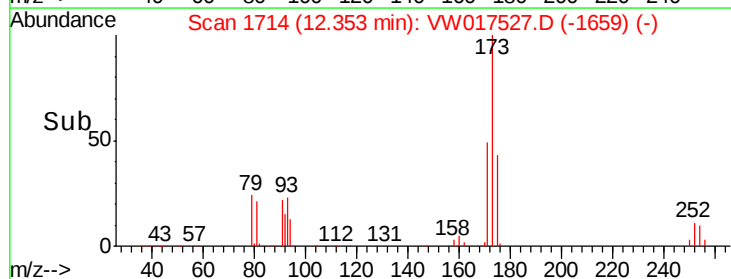
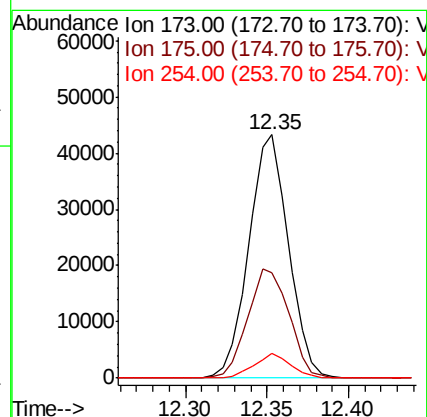
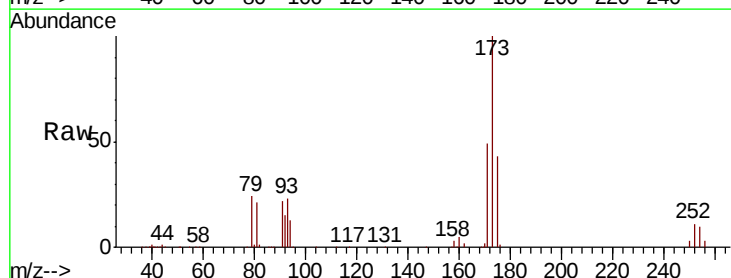
Tgt Ion: 173 Resp: 73300

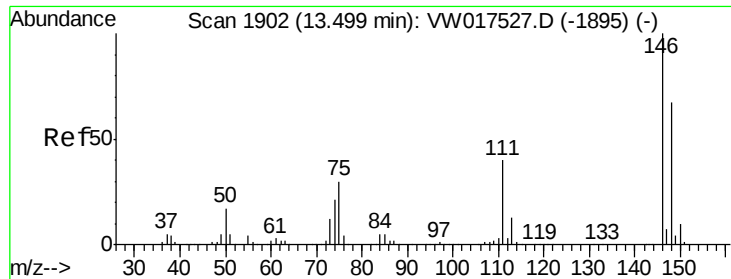
Ion Ratio Lower Upper

173 100

175 46.8 39.1 58.7

254 9.3 7.1 10.7

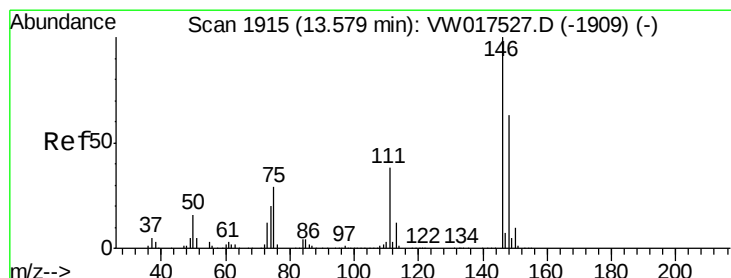
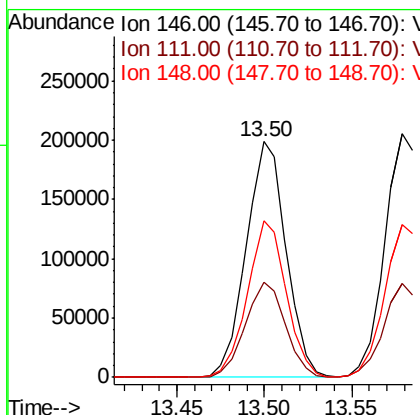
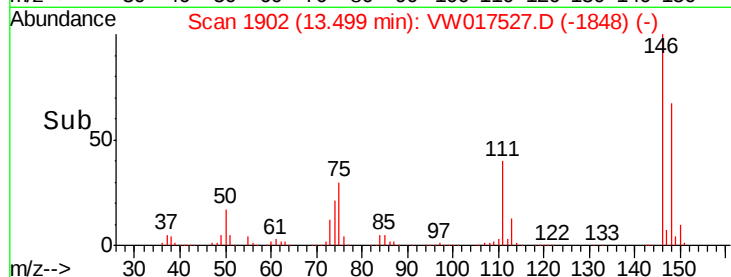
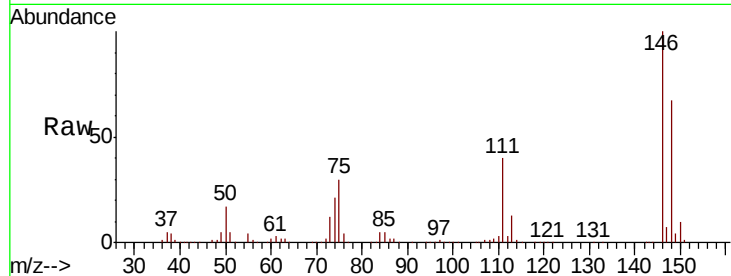




#63
 1,3-Dichlorobenzene
 Concen: 24.280 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW017527.D
 Acq: 03 Dec 2020 09:43

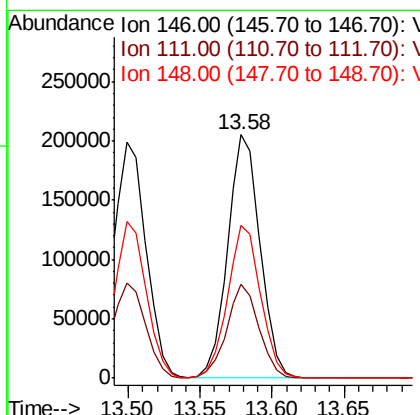
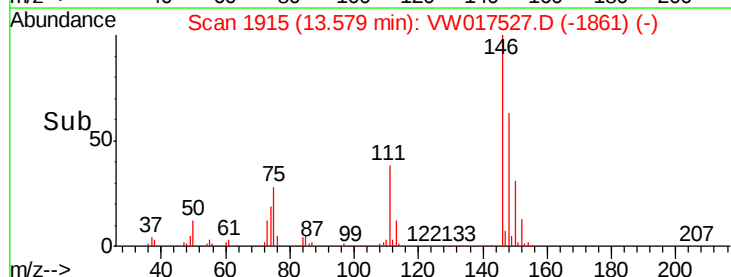
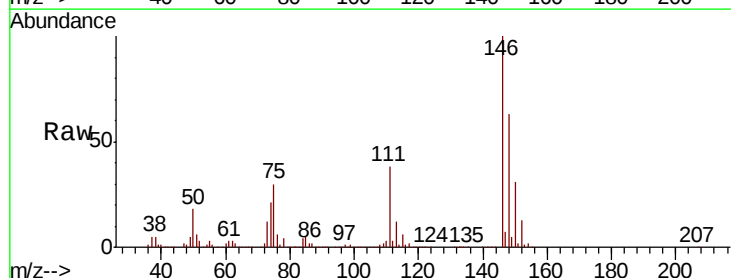
Instrument :
 MSVOA_W
 ClientSampled :

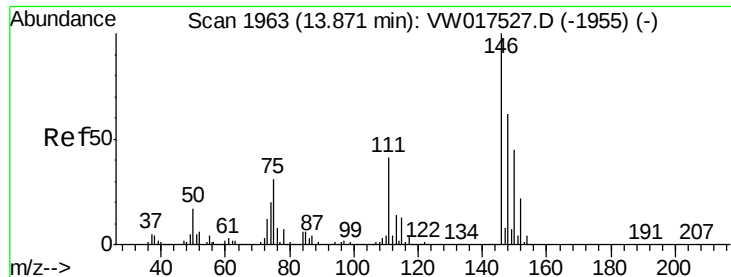
Tot Ion:146 Resp: 317889
 Ion Ratio Lower Upper
 146 100
 111 40.3 28.5 52.9
 148 66.6 47.8 88.8



#64
 1,4-Dichlorobenzene
 Concen: 24.955 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW017527.D
 Acq: 03 Dec 2020 09:43

Tgt Ion:146 Resp: 323678
 Ion Ratio Lower Upper
 146 100
 111 38.3 27.7 51.5
 148 62.7 47.0 87.2

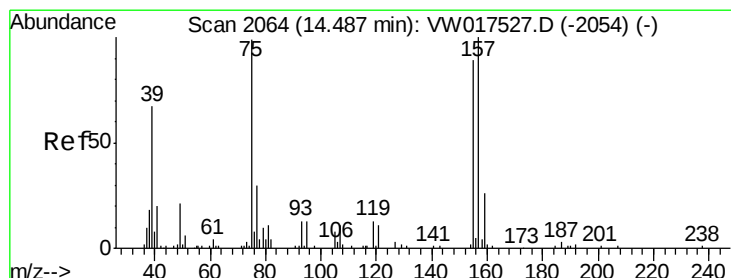
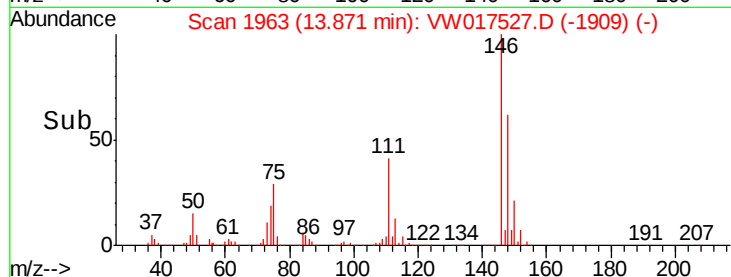
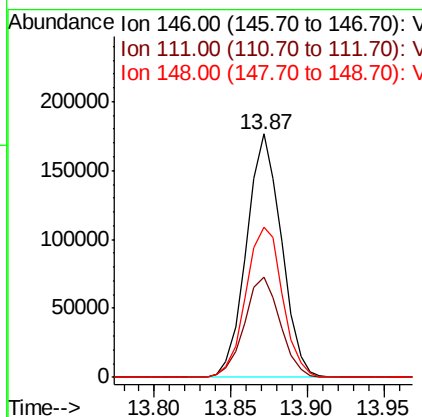
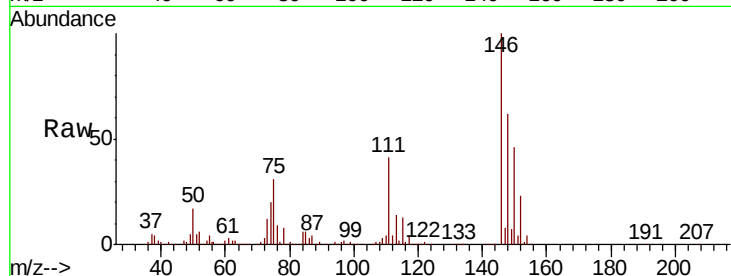




#65
 1,2-Dichlorobenzene
 Concen: 24.583 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW017527.D
 Acq: 03 Dec 2020 09:43

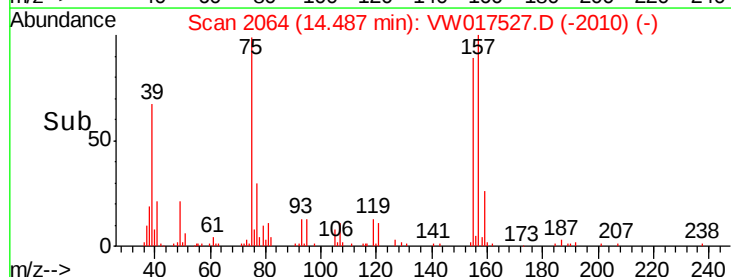
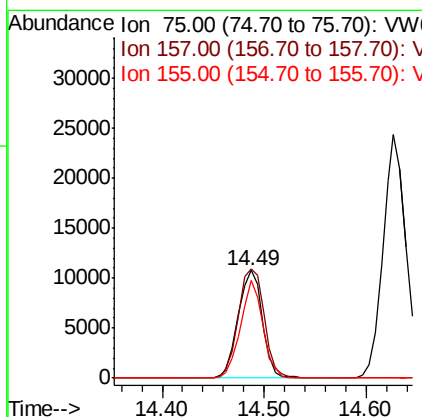
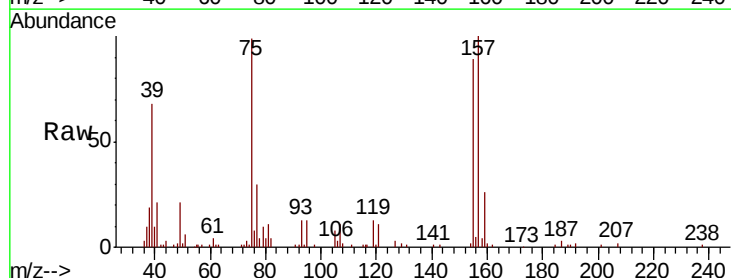
Instrument :
 MSVOA_W
 ClientSampled :

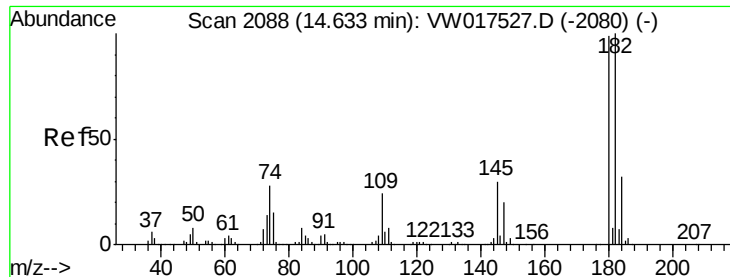
Tot Ion:146 Resp: 280335
 Ion Ratio Lower Upper
 146 100
 111 41.2 31.7 47.5
 148 61.8 49.3 73.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 23.925 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW017527.D
 Acq: 03 Dec 2020 09:43

Tgt Ion: 75 Resp: 17566
 Ion Ratio Lower Upper
 75 100
 157 100.9 99.9 149.9
 155 90.2 71.4 107.0

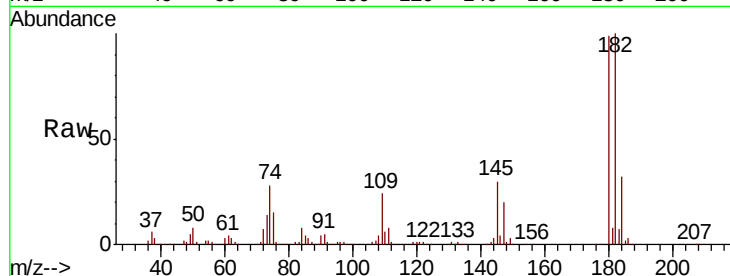




#67
 1,3,5-Trichlorobenzene
 Concen: 24.332 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW017527.D
 Acq: 03 Dec 2020 09:43

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	100.4	77.0	115.6
184	30.8	24.2	36.4
145	31.2	23.5	35.3



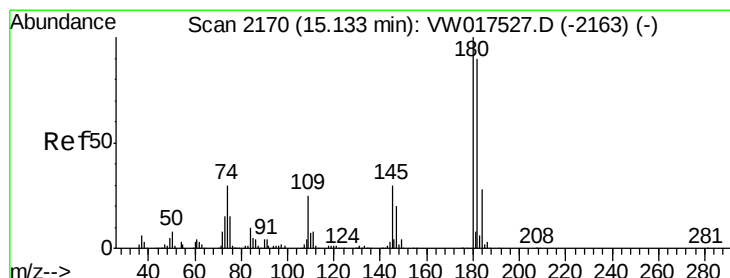
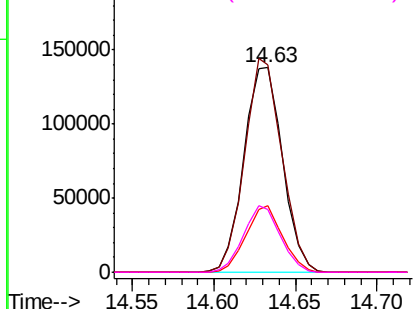
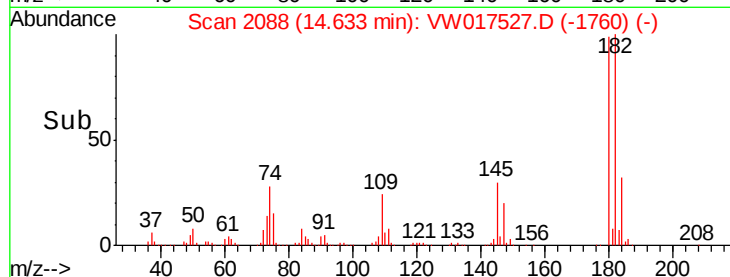
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

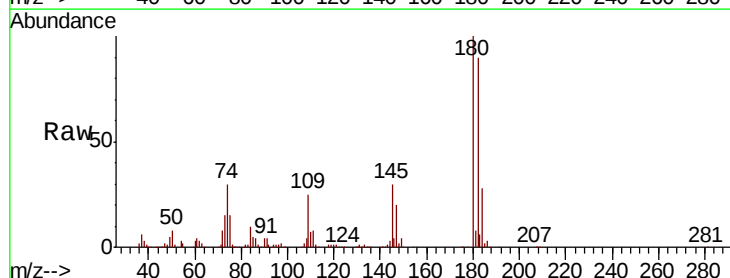
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 24.920 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW017527.D
 Acq: 03 Dec 2020 09:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.9	71.3	106.9
145	29.7	24.0	36.0

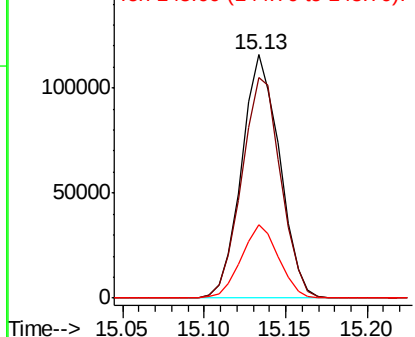
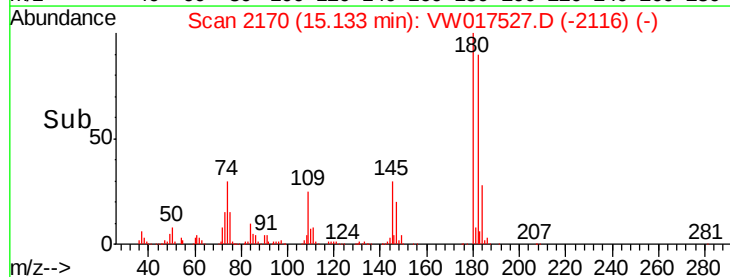


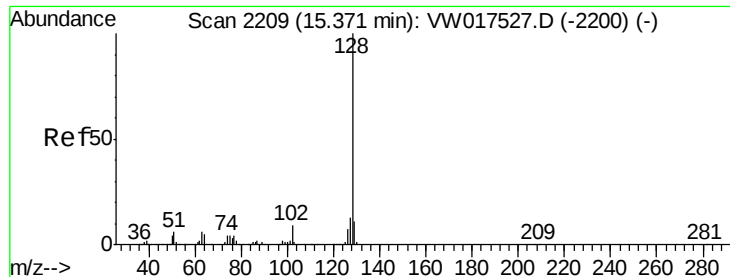
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 24.919 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW017527.D

Acq: 03 Dec 2020 09:43

Instrument :

MSVOA_W

ClientSampleId :

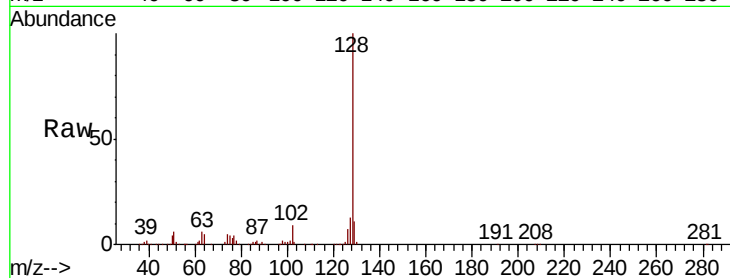
Tot Ion:128 Resp: 291735

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

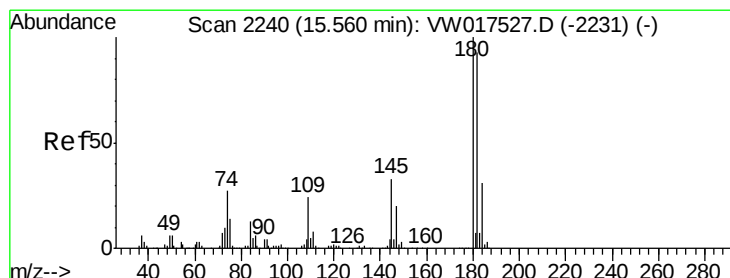
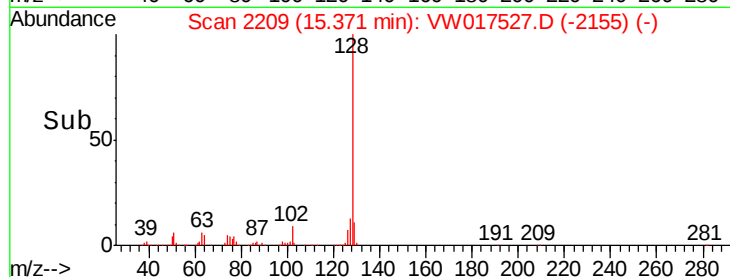
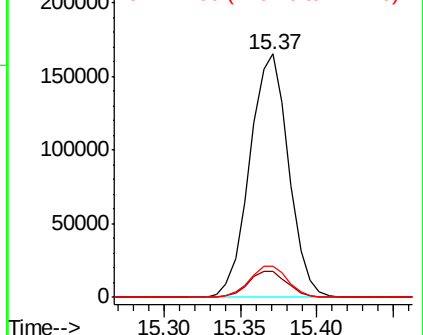
127 12.9 10.7 16.1



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: 25.637 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW017527.D

Acq: 03 Dec 2020 09:43

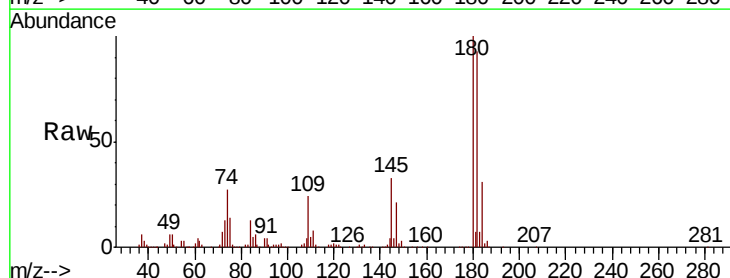
Tgt Ion:180 Resp: 162138

Ion Ratio Lower Upper

180 100

182 91.1 74.7 112.1

145 31.6 25.4 38.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

