

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 :
 VSTD02526

Quant Time: Dec 04 06:14:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM112420S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Nov 30 15:19:43 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	70436	51.334	ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	160579	25.138	ug/L	99

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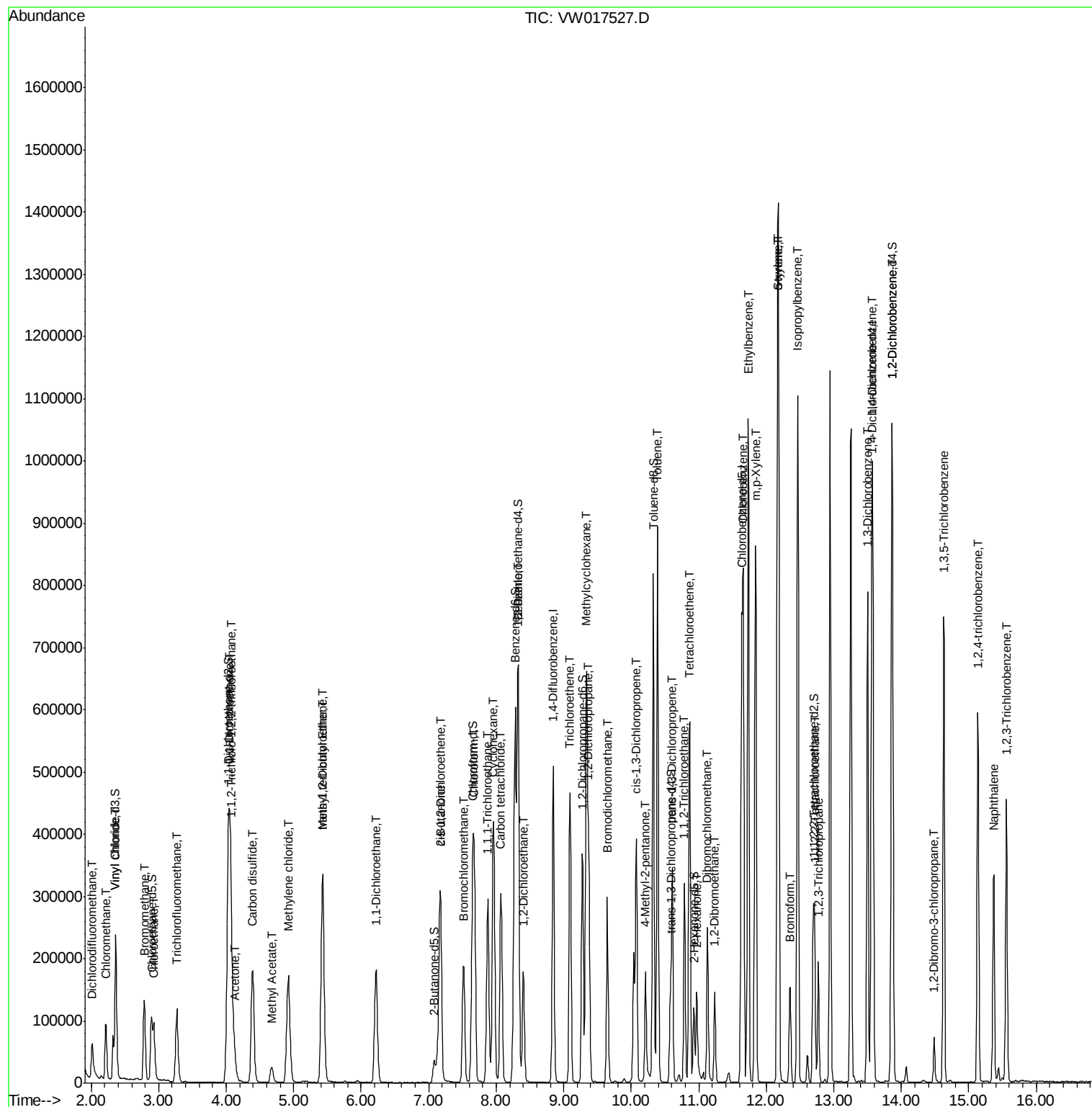
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	69559	23.972	uq/L	91
25) Chloroform	7.68	83	281744	25.818	uq/L	99
27) 1,2-Dichloroethane	8.40	62	166640	25.355	uq/L	98
30) Cyclohexane	7.96	56	237106	25.782	uq/L	99
31) 1,1,1-Trichloroethane	7.88	97	242975	26.627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

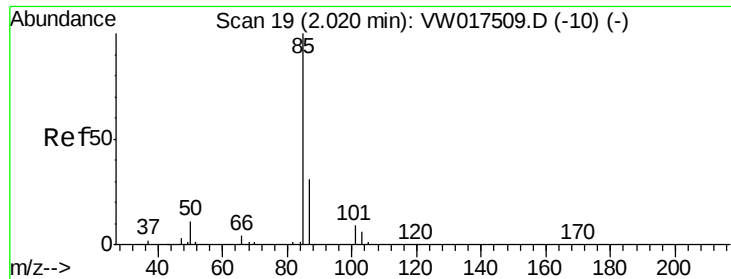
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 20.768 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.01 min

Lab File: VW017527.D

Acq: 03 Dec 2020 09:43

Instrument :

MSVOA_W

ClientSampleId :

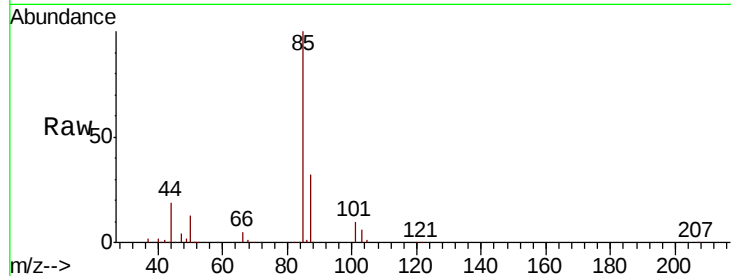
VSTD02526

Tot Ion: 85 Resp: 84766

Ion Ratio Lower Upper

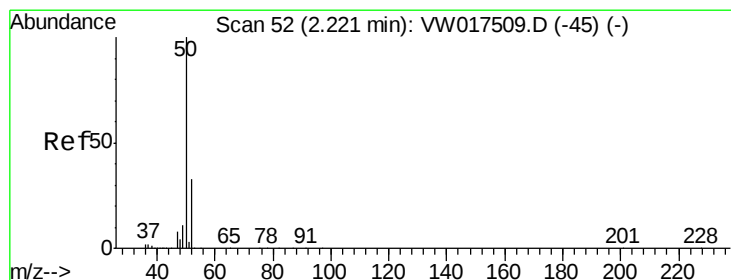
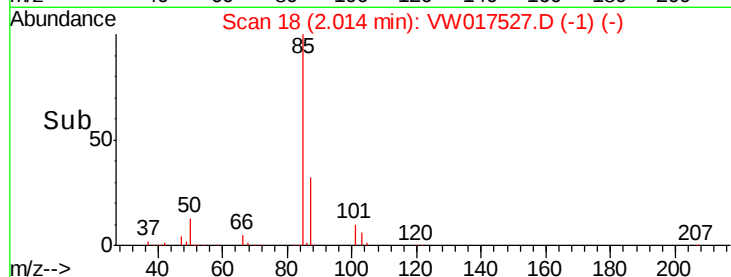
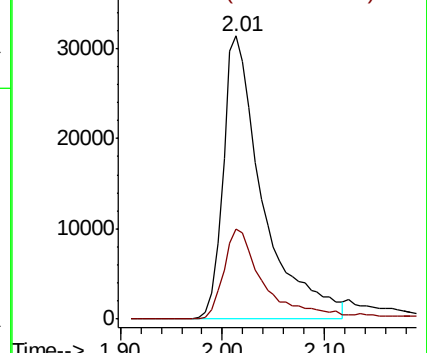
85 100

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

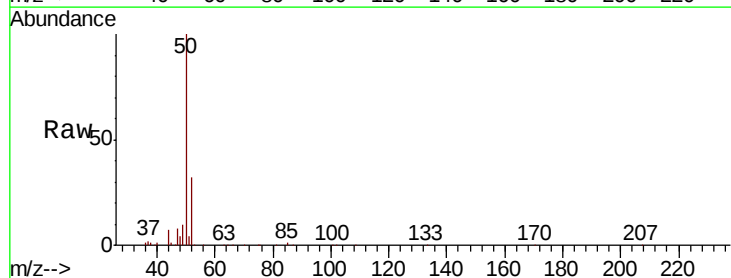
Acq: 03 Dec 2020 09:43

Tgt Ion: 50 Resp: 93771

Ion Ratio Lower Upper

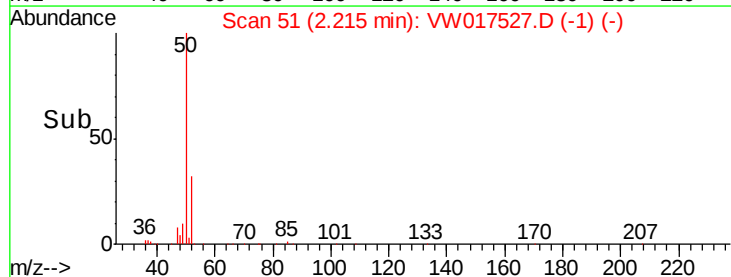
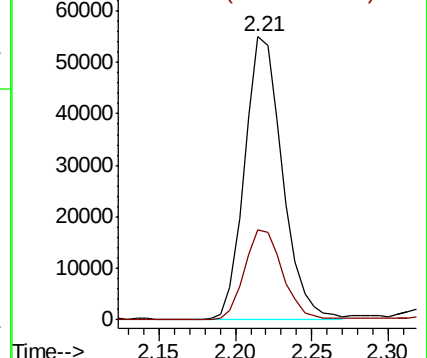
50 100

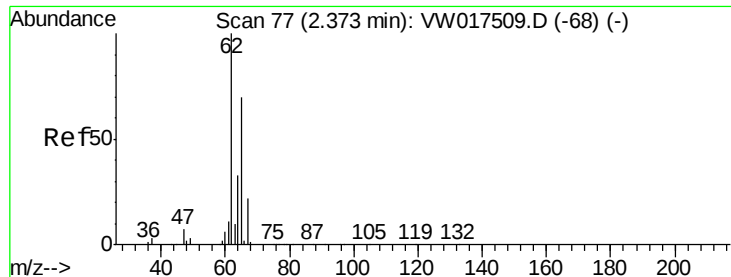
52 31.7 23.4 43.6



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

ClientSampleId :

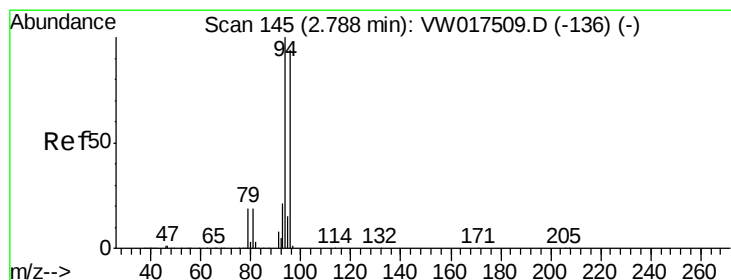
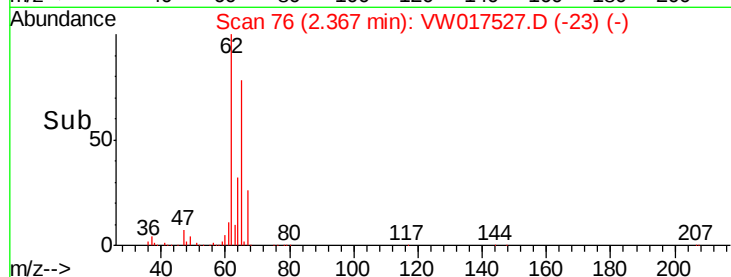
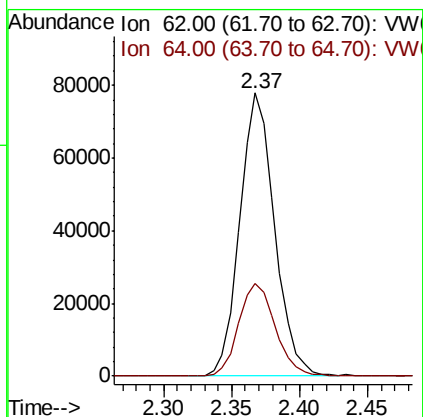
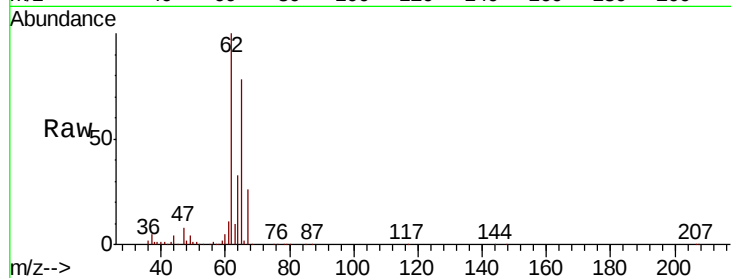
VSTD02526

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

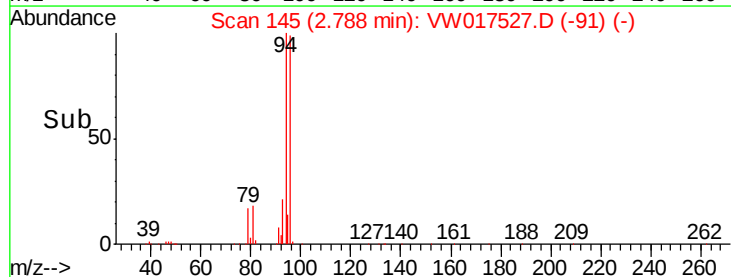
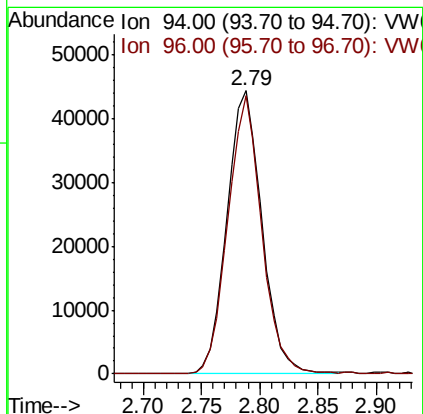
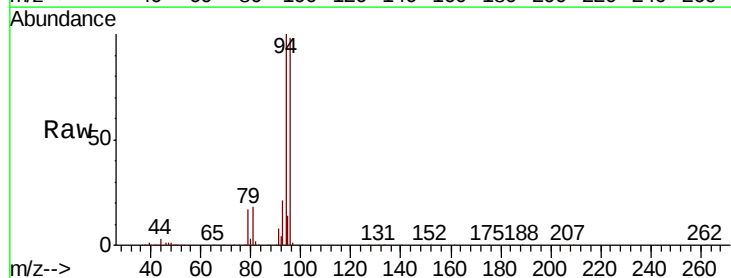
Acq: 03 Dec 2020 09:43

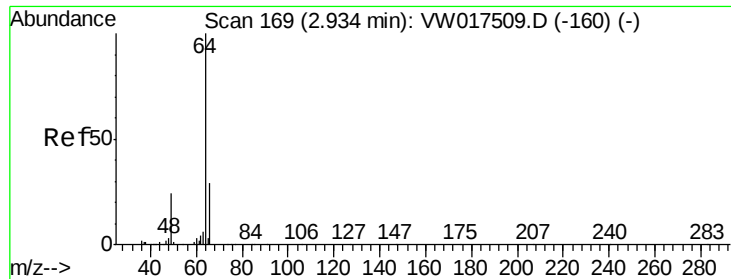
Tgt Ion: 94 Resp: 92896

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. -0.01 min

Lab File: VW017527.D

Acq: 03 Dec 2020 09:43

Instrument :

MSVOA_W

ClientSampleId :

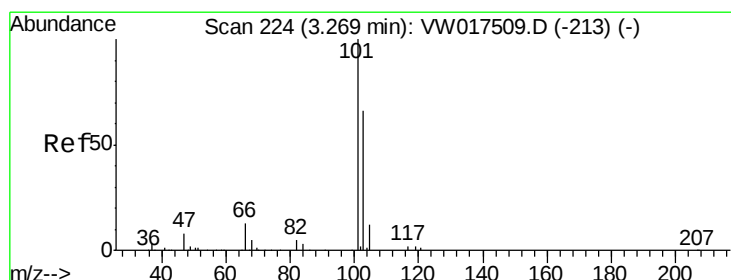
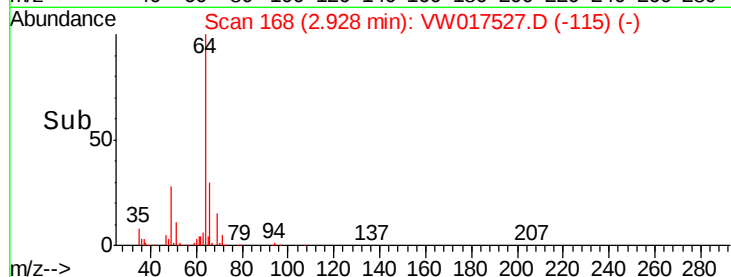
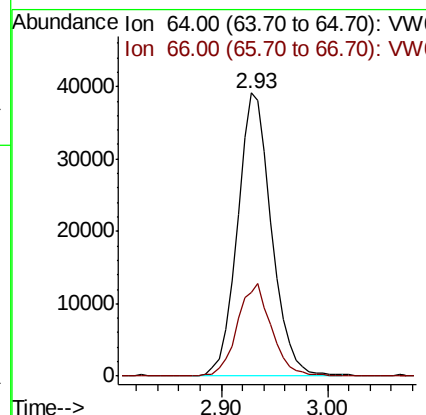
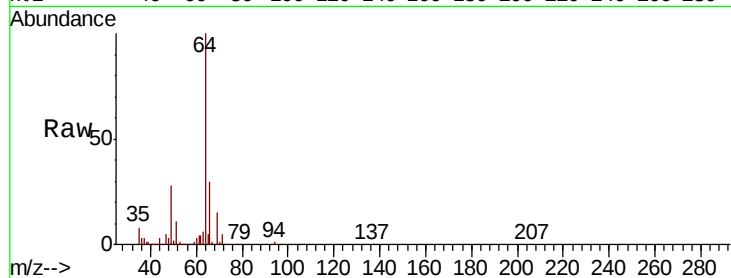
VSTD02526

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

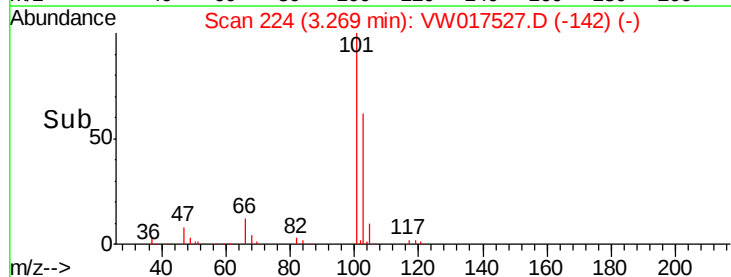
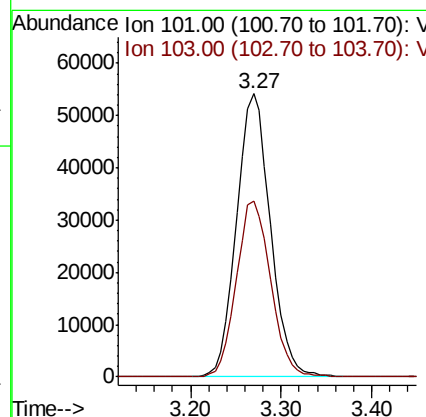
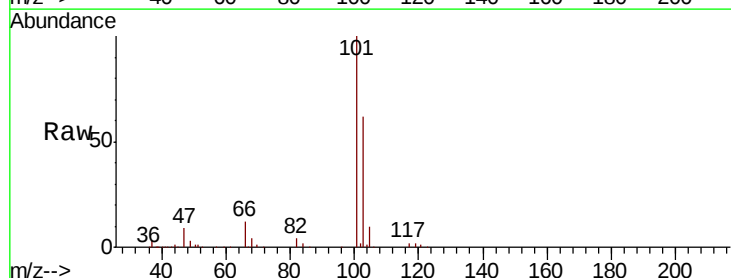
Acq: 03 Dec 2020 09:43

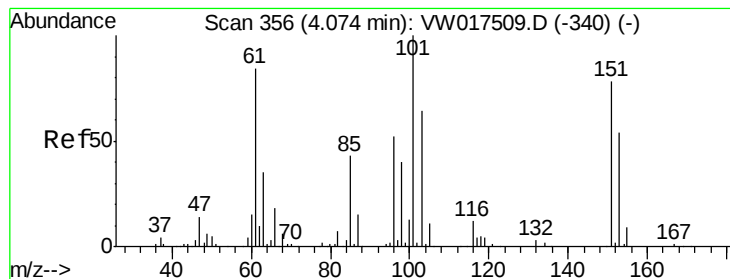
Tgt Ion: 101 Resp: 140429

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 :

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ClientSampleId :

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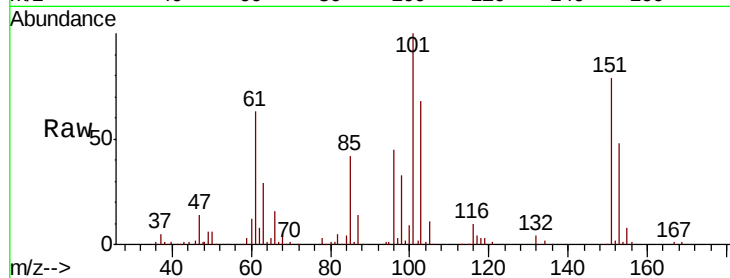
Tot Ion:101 Resp: 155685

Ion Ratio Lower Upper

101 100

85 42.5 34.2 51.4

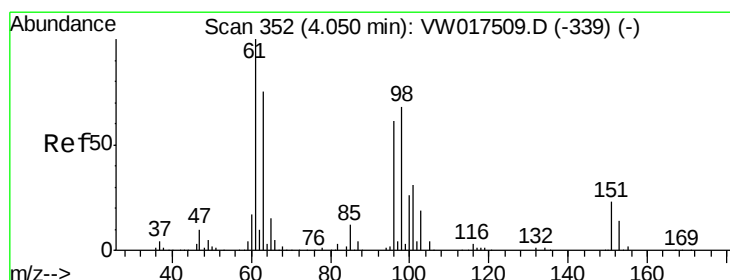
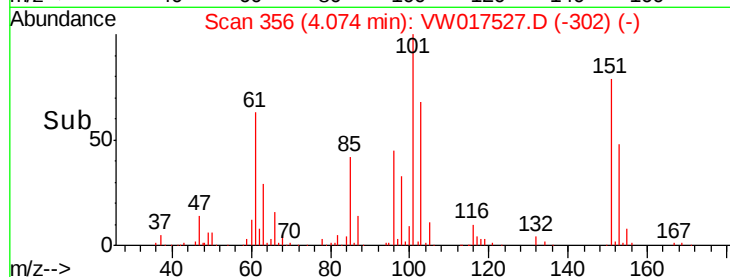
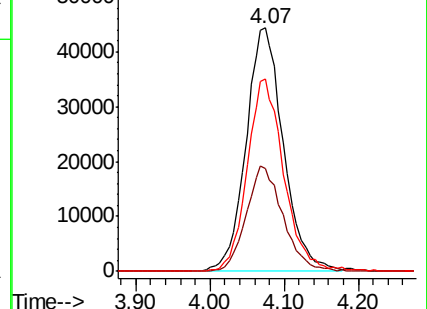
151 76.6 30.4 45.6#



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. 0.00 min

Lab File: VW017527.D

Acq: 03 Dec 2020 09:43

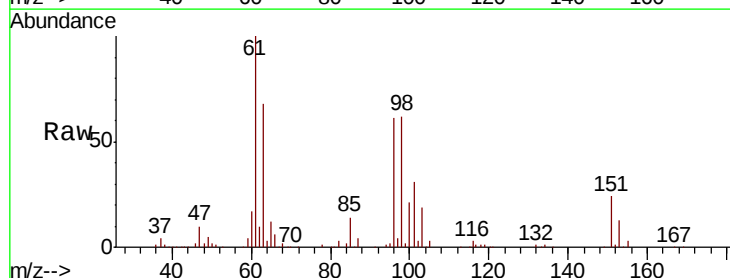
Tgt Ion: 96 Resp: 148482

Ion Ratio Lower Upper

96 100

61 163.8 112.5 208.9

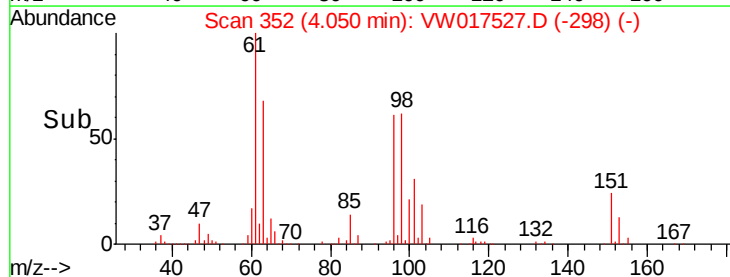
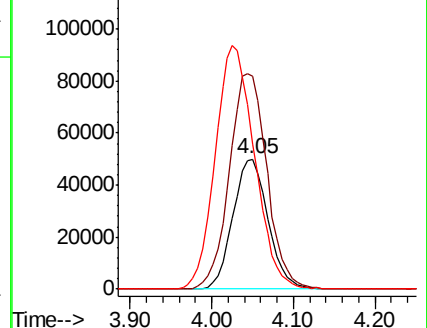
63 111.3 83.1 154.3

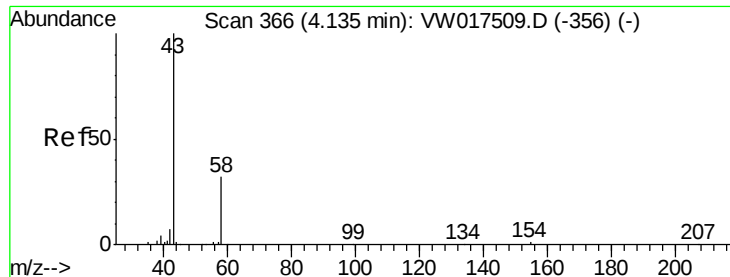


Abundance Ion 96.00 (95.70 to 96.70): VW

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. -0.01 min

Lab File: VW017527.D

Acq: 03 Dec 2020 09:43

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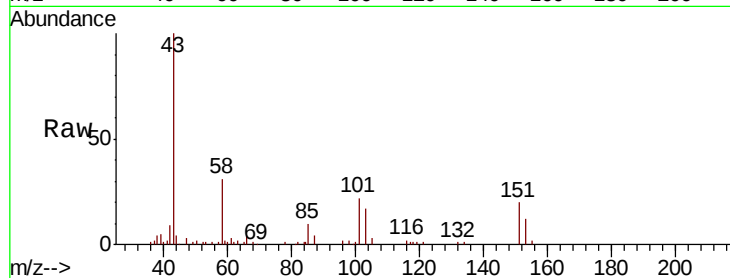
VSTD02526

Tot Ion: 43 Resp: 54683

Ion Ratio Lower Upper

43 100

58 31.8 0.0 68.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

20000

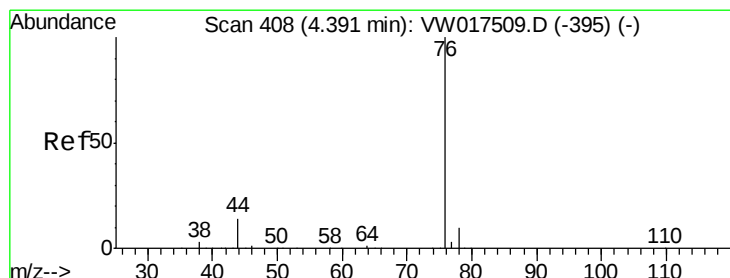
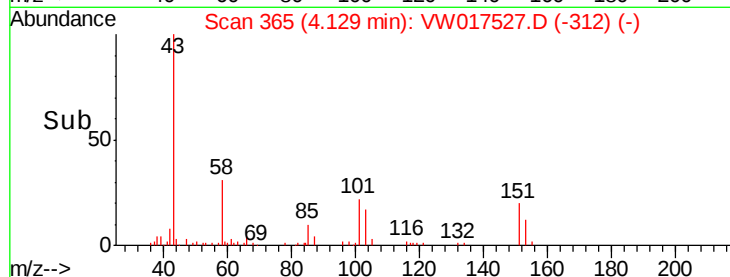
15000

10000

5000

0

Time--> 4.00 4.10 4.20



#14

Carbon disulfide

Concen: 24.195 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.00 min

Lab File: VW017527.D

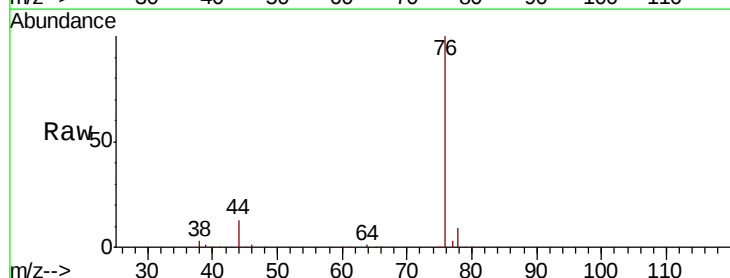
Acq: 03 Dec 2020 09:43

Tgt Ion: 76 Resp: 412167

Ion Ratio Lower Upper

76 100

78 8.7 7.0 10.4



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

4.39

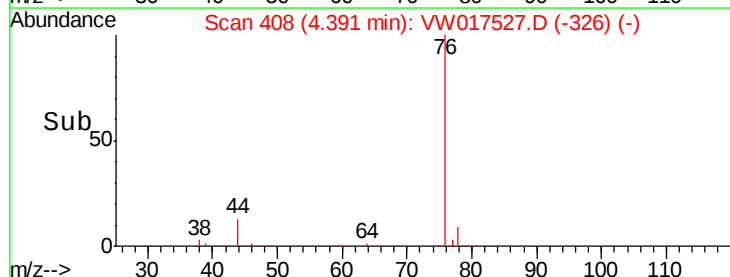
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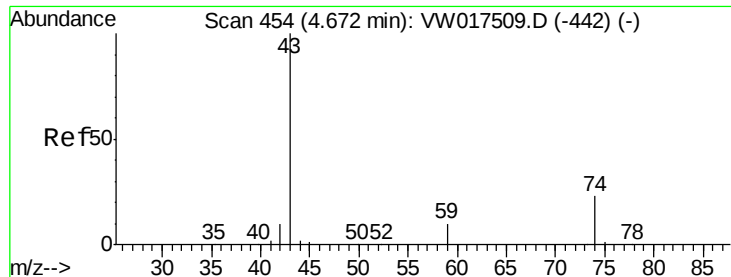
100000

50000

0

Time--> 4.30 4.40 4.50

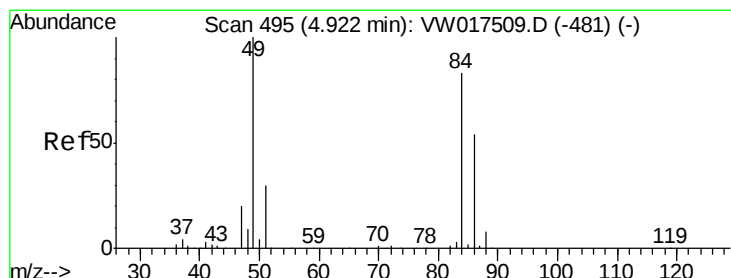
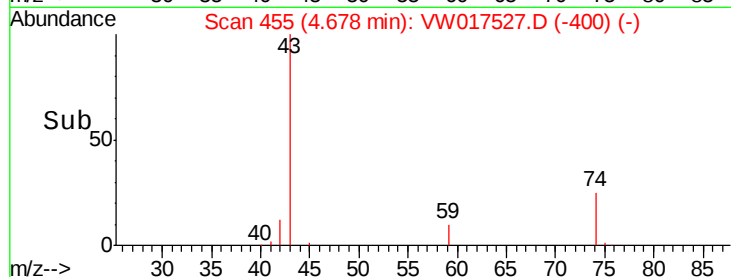
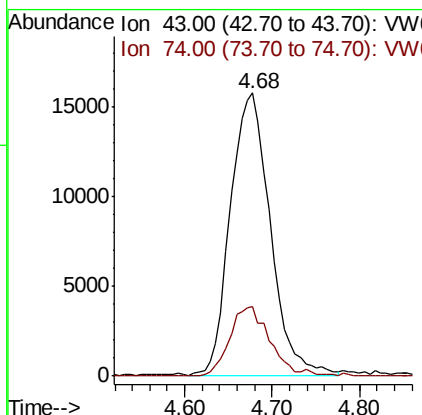
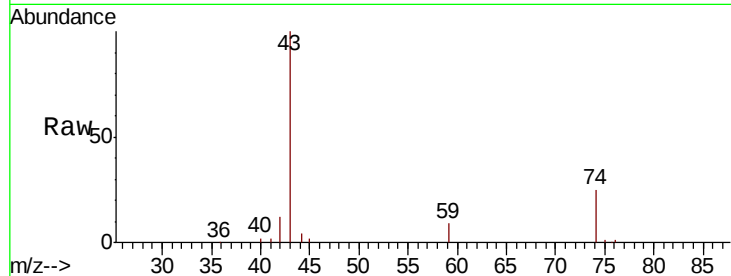




#15
Methyl Acetate
Concen: 25.184 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW017527.D
Acq: 03 Dec 2020 09:43

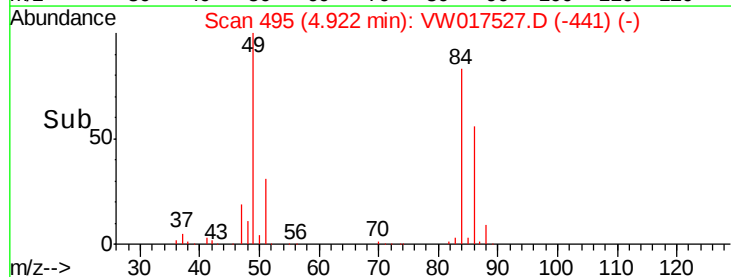
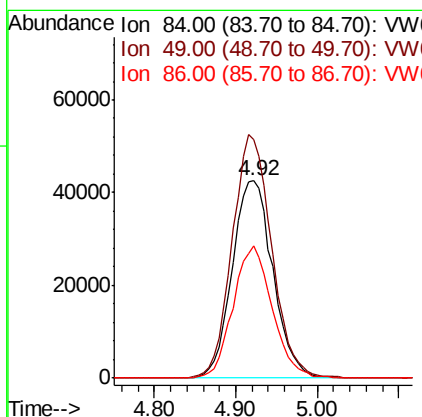
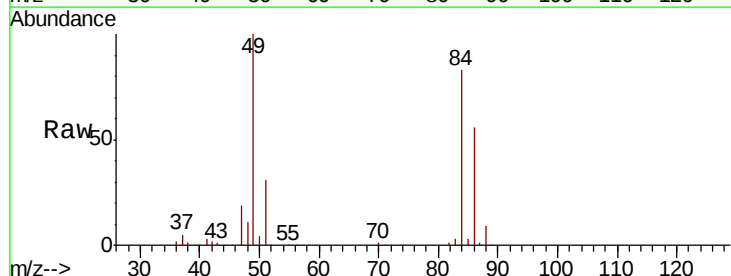
Instrument :
MSVOA_W
ClientSampled :
VSTD02526

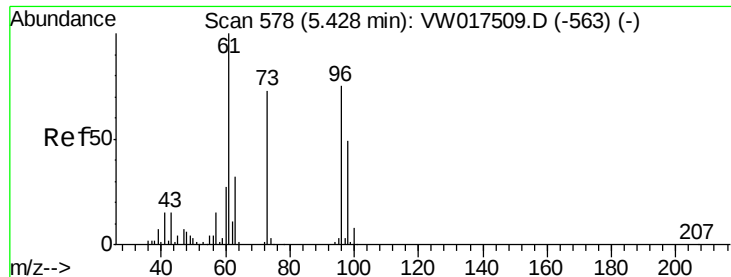
Tot Ion: 43 Resp: 50263
Ion Ratio Lower Upper
43 100
74 23.8 20.7 31.1



#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

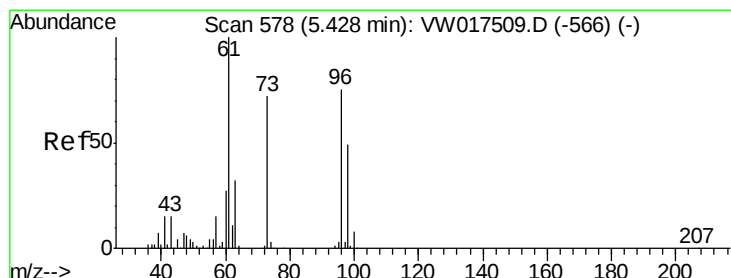
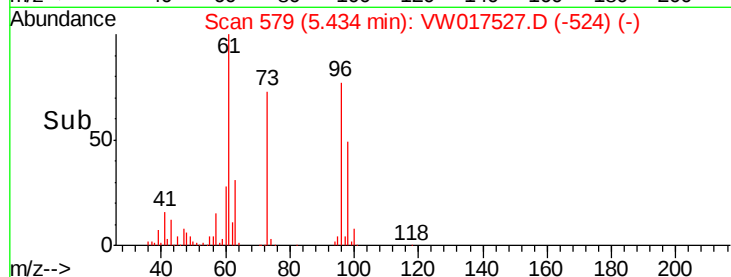
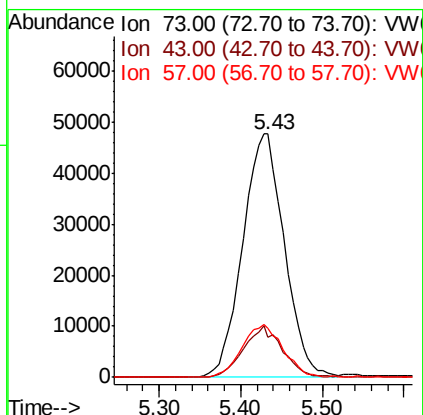
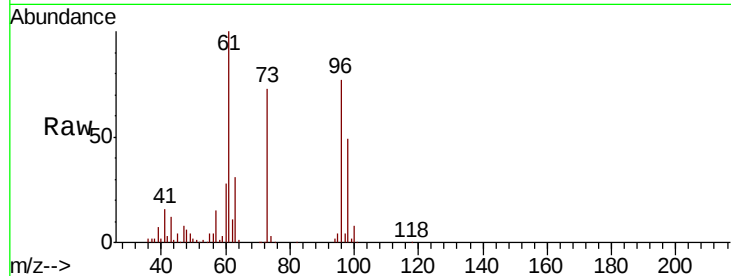




#17
Methvl tert-butvl Ether
Concen: 26.475 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW017527.D
Acq: 03 Dec 2020 09:43

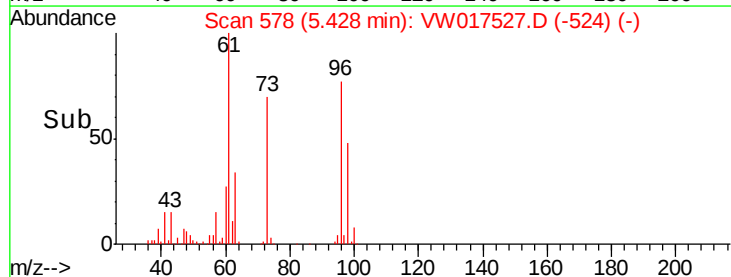
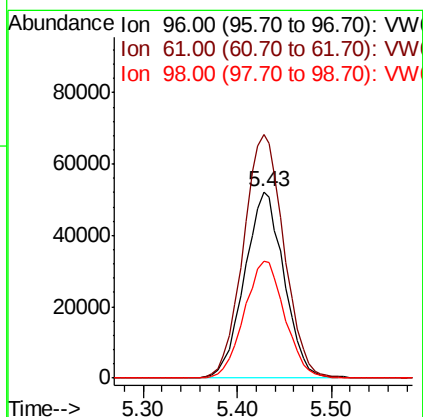
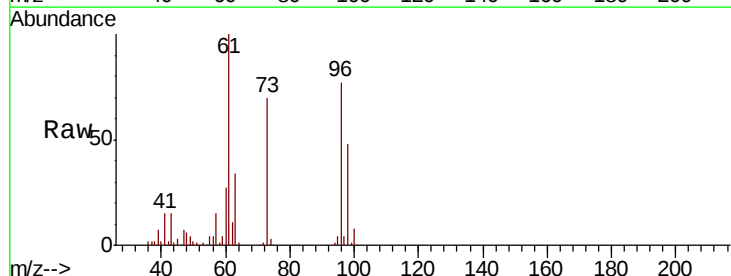
Instrument :
MSVOA_W
ClientSampleId :
VSTD02526

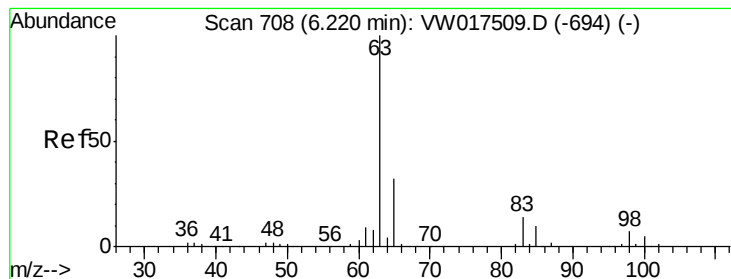
Tot Ion: 73 Resp: 169598
Ion Ratio Lower Upper
73 100
43 19.9 16.2 24.4
57 21.3 17.2 25.8



#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

ClientSampleId :

VSTD02526

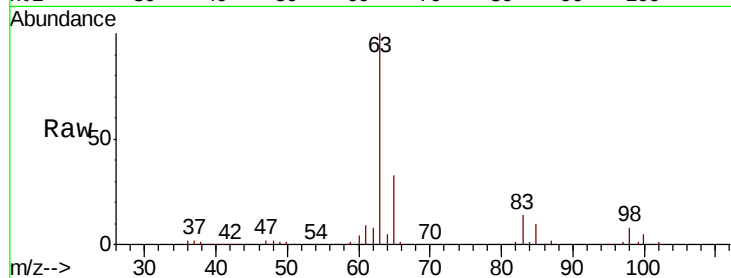
Tot Ion: 63 Resp: 265087

Ion Ratio Lower Upper

63 100

65 32.8 21.9 40.7

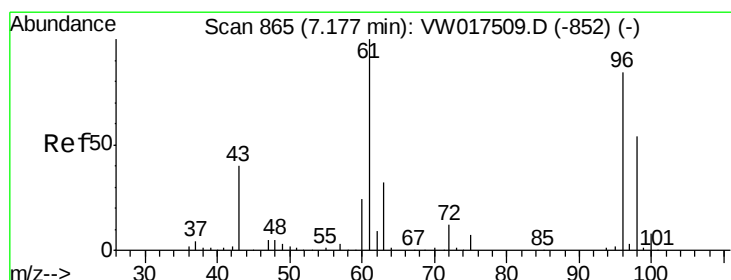
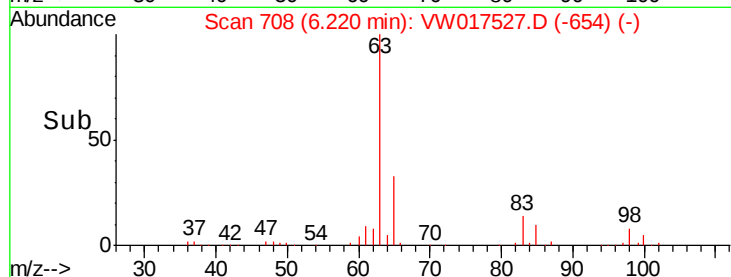
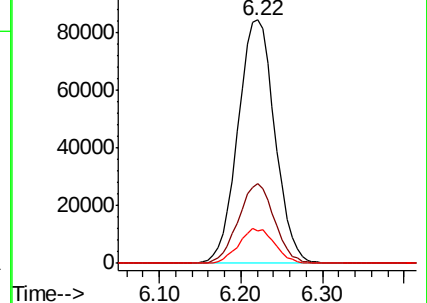
83 13.6 9.4 17.6



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: 51.334 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW017527.D

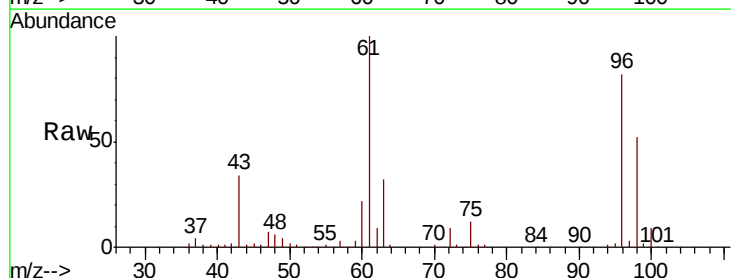
Acq: 03 Dec 2020 09:43

Tgt Ion: 43 Resp: 70436

Ion Ratio Lower Upper

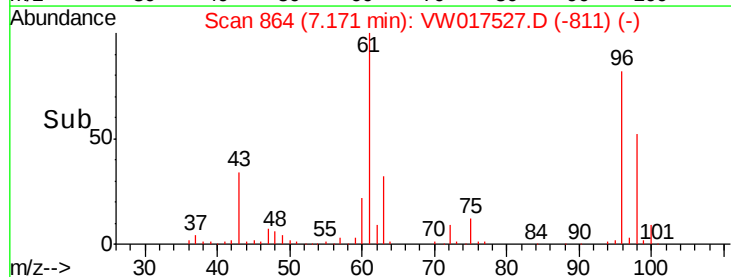
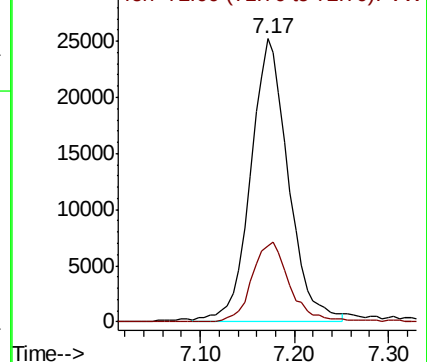
43 100

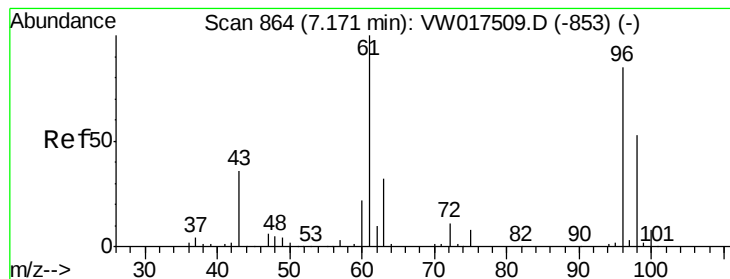
72 27.7 14.4 43.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



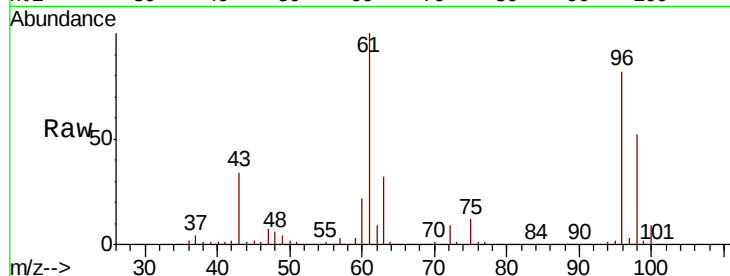


#22

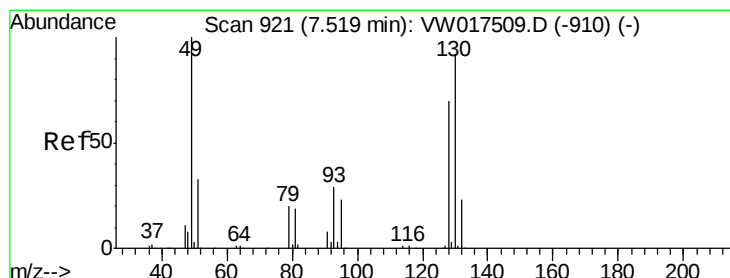
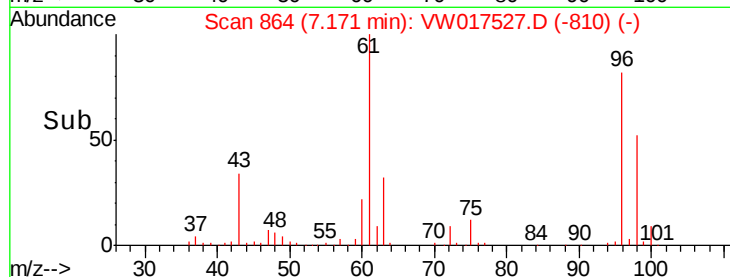
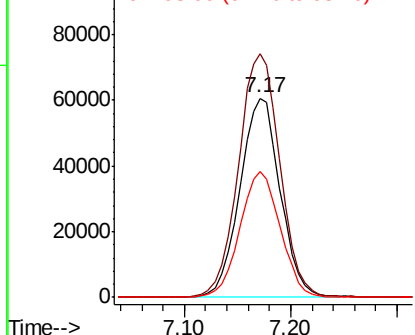
cis-1,2-Dichloroethene
Concen: 25.138 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW017527.D
Acq: 03 Dec 2020 09:43

Instrument :
MSVOA_W
ClientSampleId :
VSTD02526

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



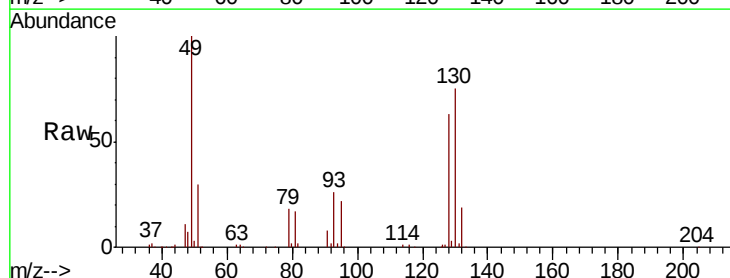
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



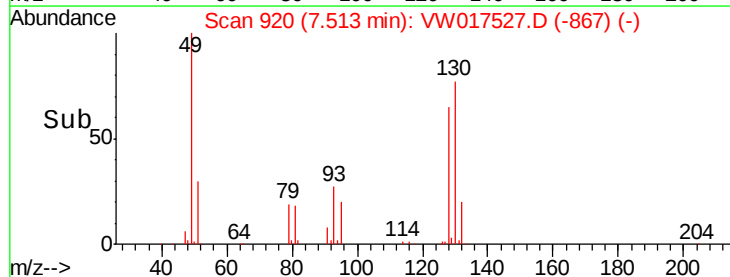
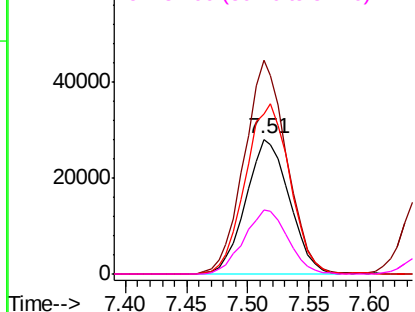
#23

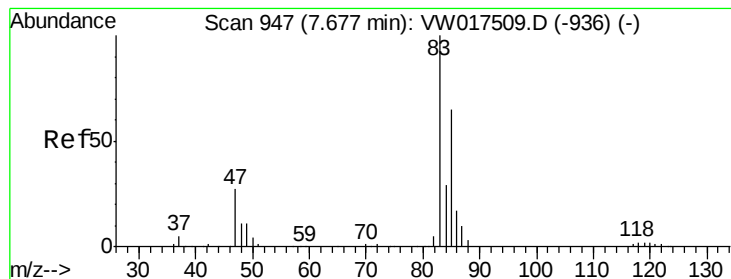
Bromochloromethane
Concen: 23.972 ug/L
RT: 7.51 min Scan# 920
Delta R.T. -0.01 min
Lab File: VW017527.D
Acq: 03 Dec 2020 09:43

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

ClientSampleId :

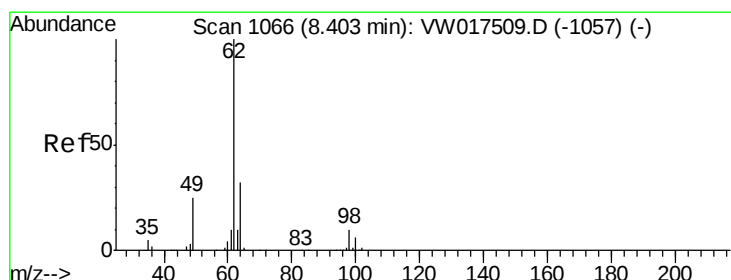
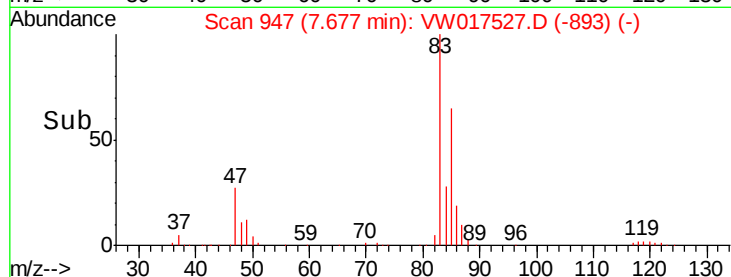
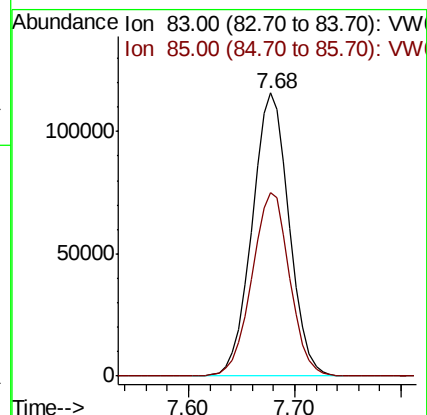
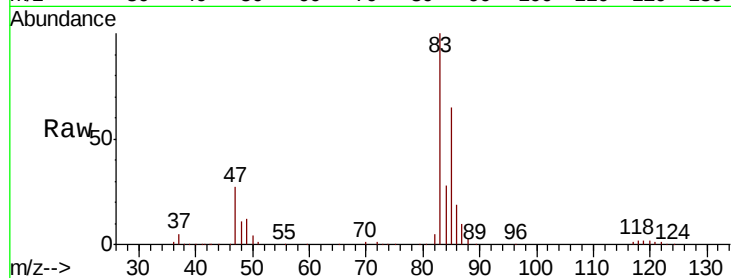
VSTD02526

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

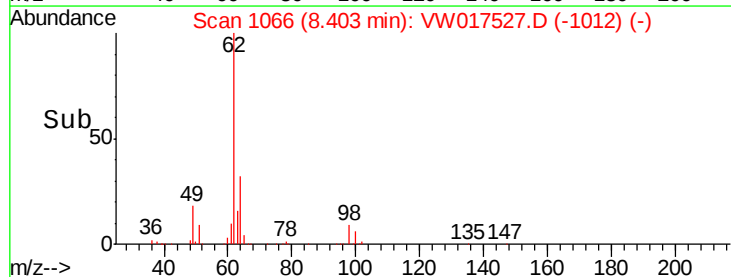
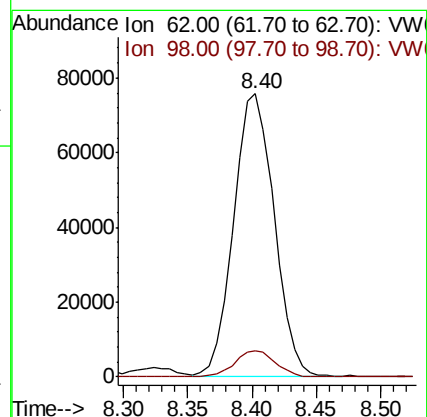
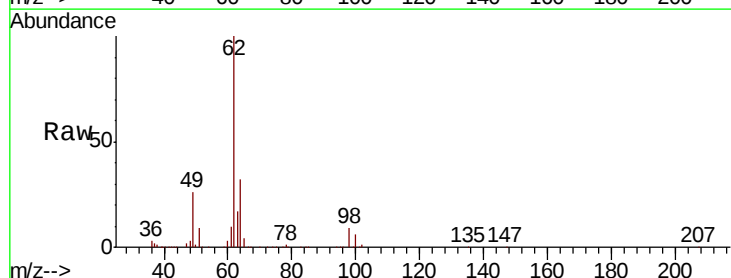
Acq: 03 Dec 2020 09:43

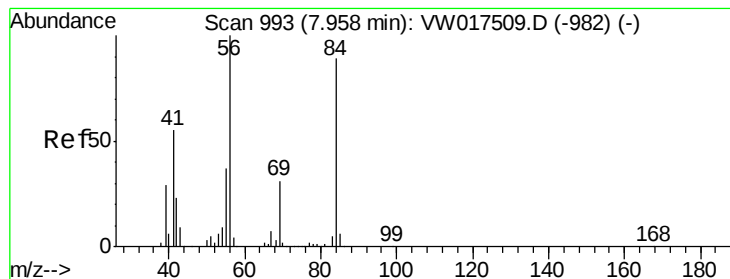
Tgt Ion: 62 Resp: 166640

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 :

VSTD02526

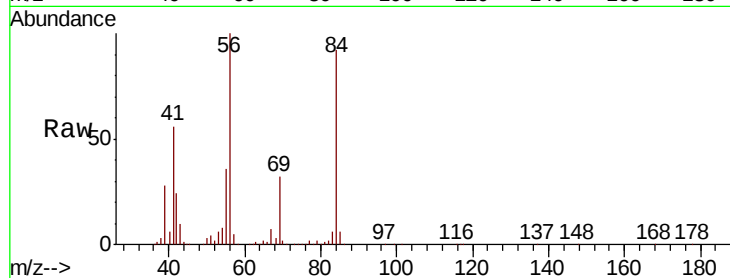
Tot Ion: 56 Resp: 237106

Ion Ratio Lower Upper

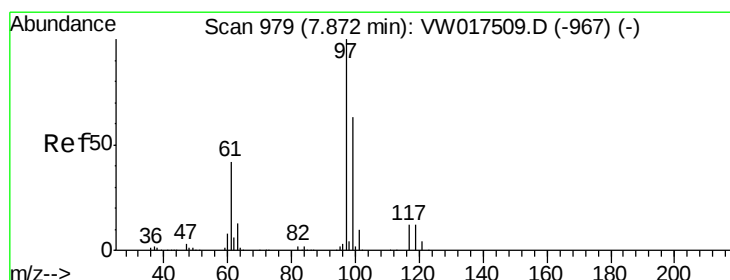
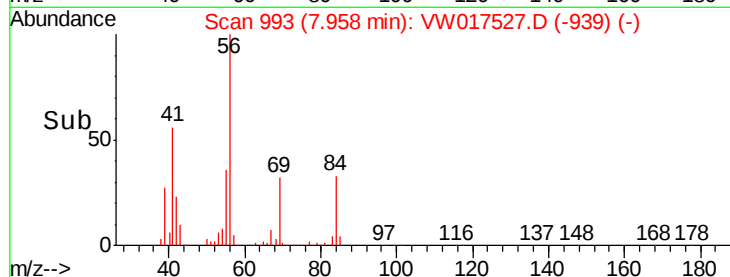
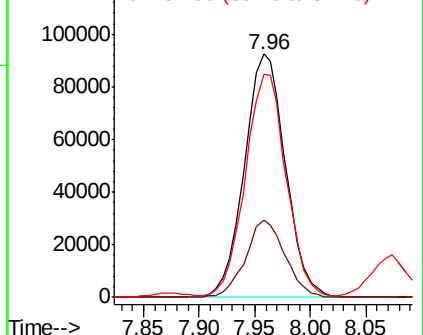
56 100

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. 0.01 min

Lab File: VW017527.D

Acq: 03 Dec 2020 09:43

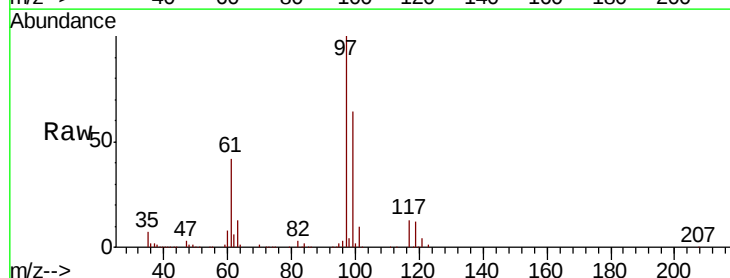
Tgt Ion: 97 Resp: 242975

Ion Ratio Lower Upper

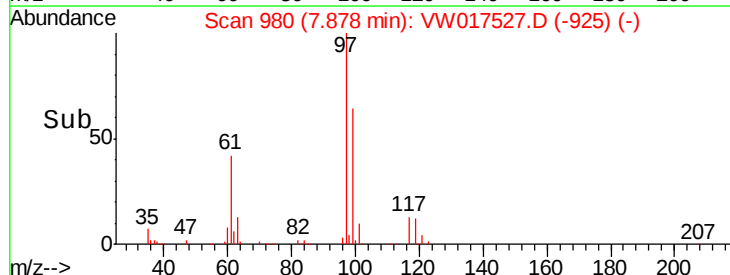
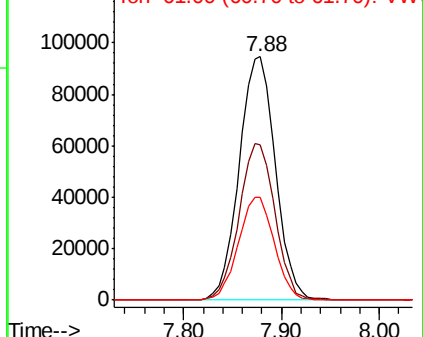
97 100

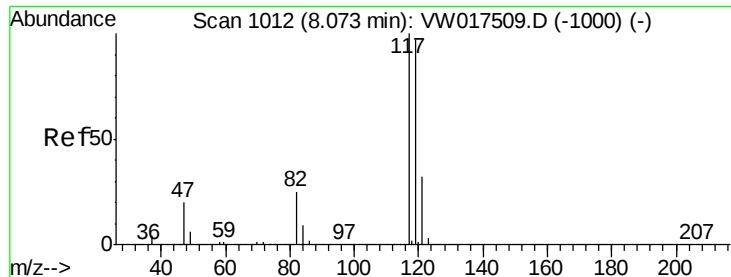
99 63.7 51.0 76.4

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 :

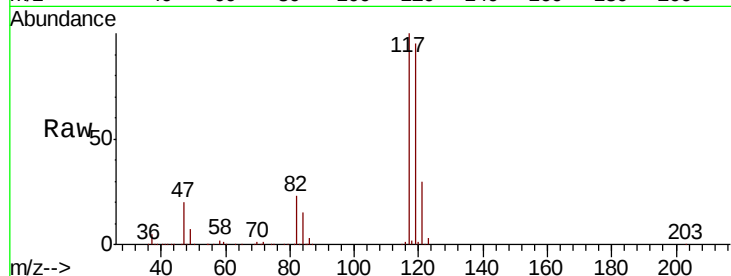
VSTD02526

Tot Ion:117 Resp: 235654

Ion Ratio Lower Upper

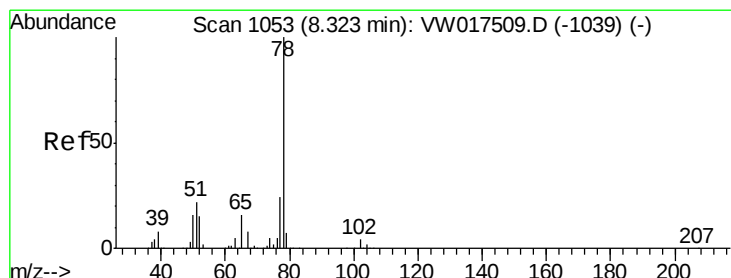
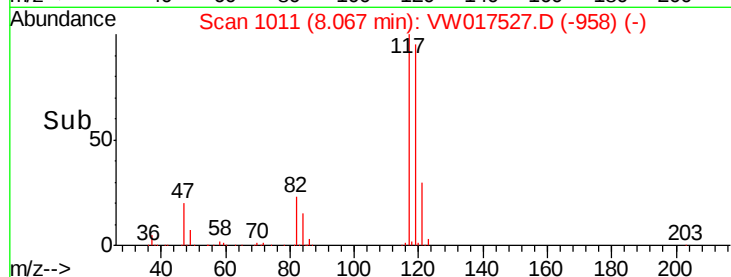
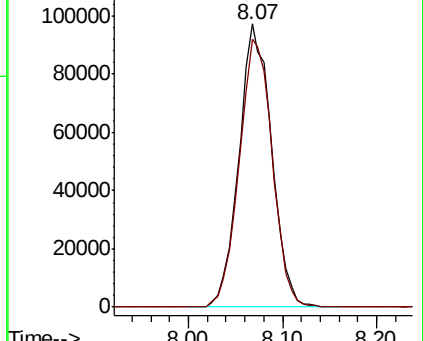
117 100

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



#34

Benzene

Concen: 25.688 ug/L

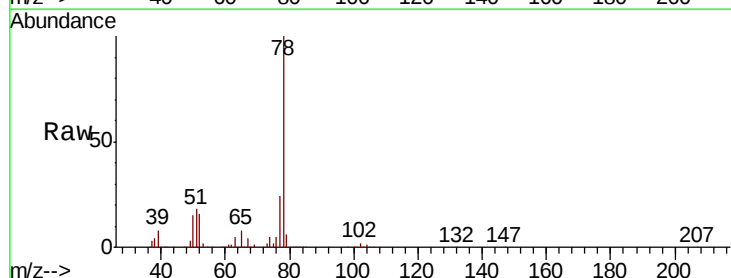
RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

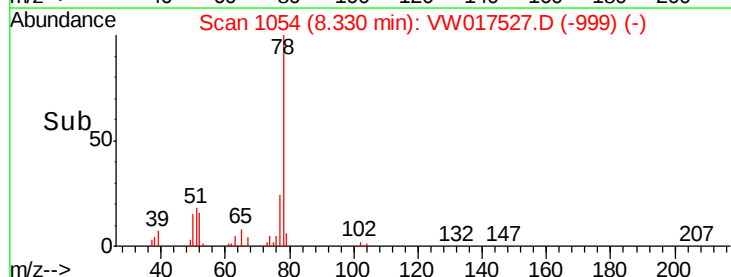
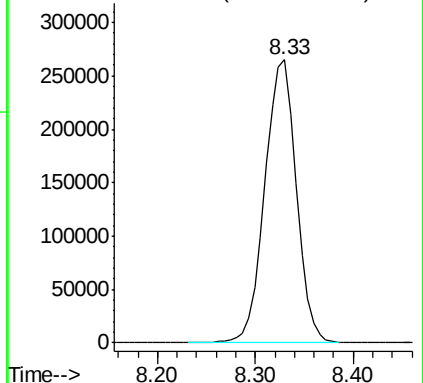
Lab File: VW017527.D

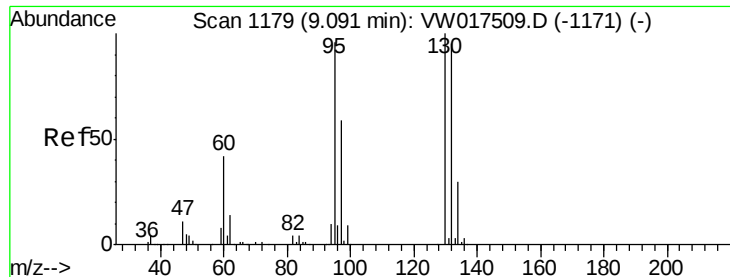
Acq: 03 Dec 2020 09:43

Tgt Ion: 78 Resp: 595281



Abundance Ion 78.00 (77.70 to 78.70): VW





#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 :

VSTD02526

Tot Ion: 95 Resp: 164478

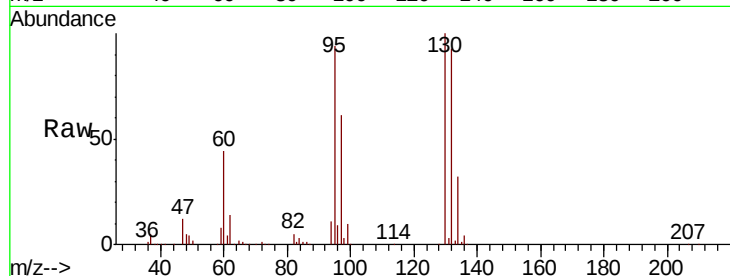
Ion Ratio Lower Upper

95 100

97 64.2 45.0 83.6

132 98.7 71.0 131.8

130 106.2 75.6 140.4

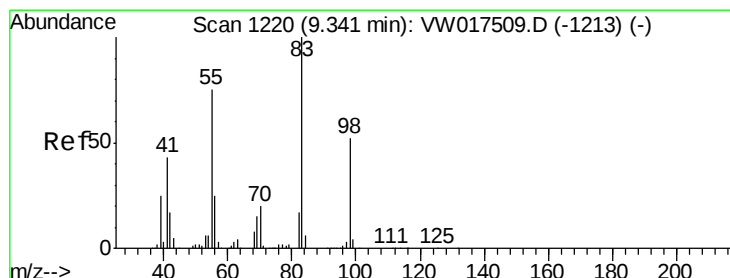
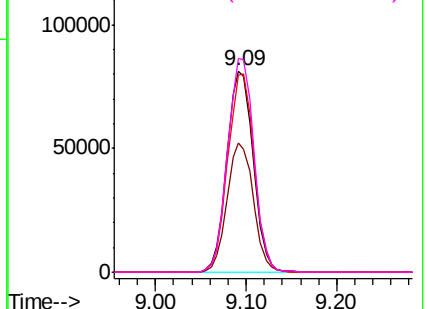
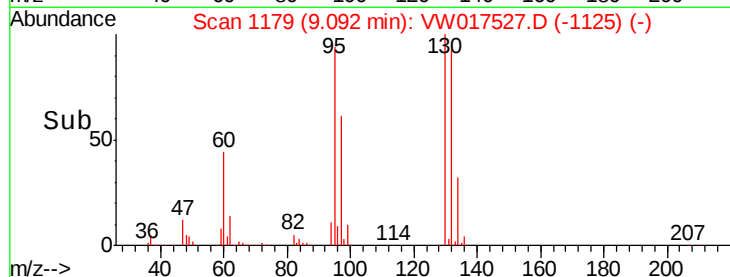


Abundance Ion 95.00 (94.70 to 95.70): VW

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. -0.01 min

Lab File: VW017527.D

Acq: 03 Dec 2020 09:43

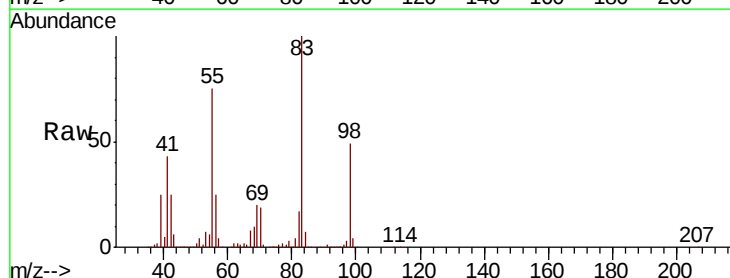
Tgt Ion: 83 Resp: 270742

Ion Ratio Lower Upper

83 100

55 74.3 59.4 89.0

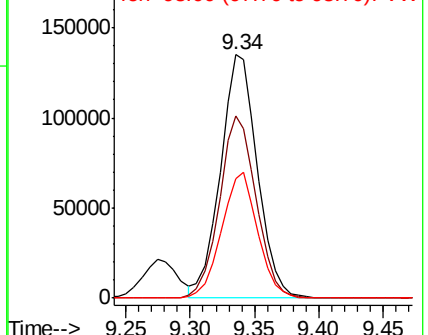
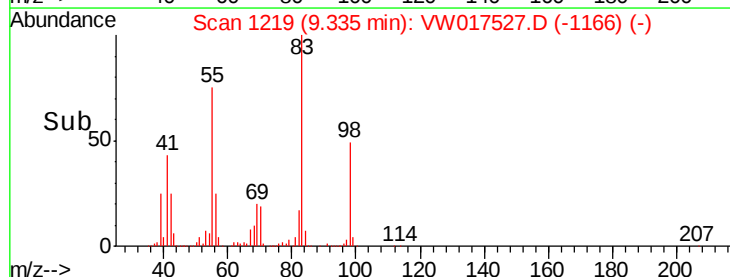
98 50.6 40.7 61.1

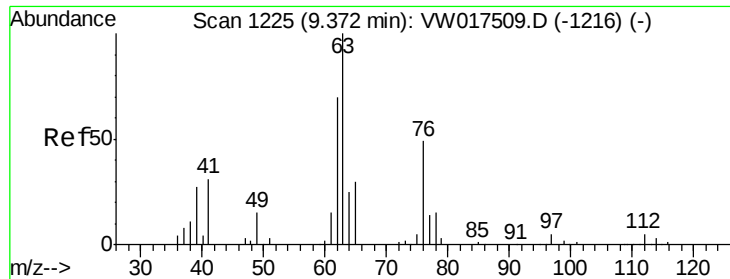


Abundance Ion 83.00 (82.70 to 83.70): VW

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

ClientSampleId :

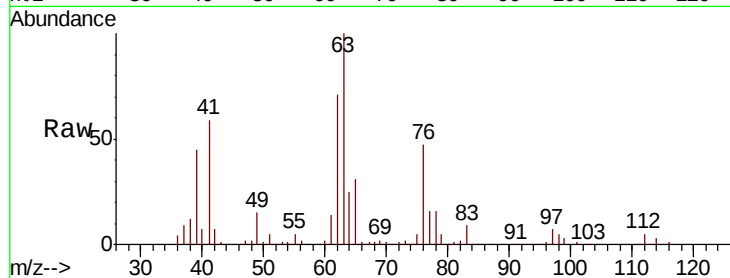
VSTD02526

Tot Ion: 63 Resp: 141926

Ion Ratio Lower Upper

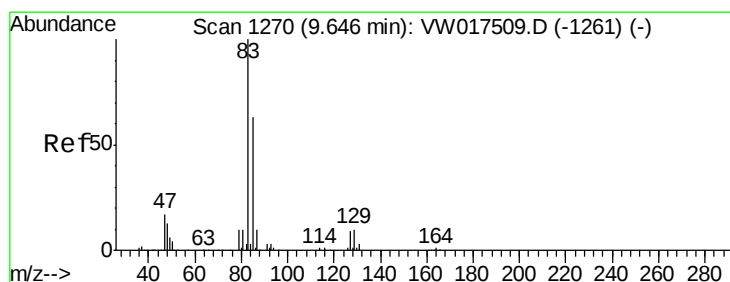
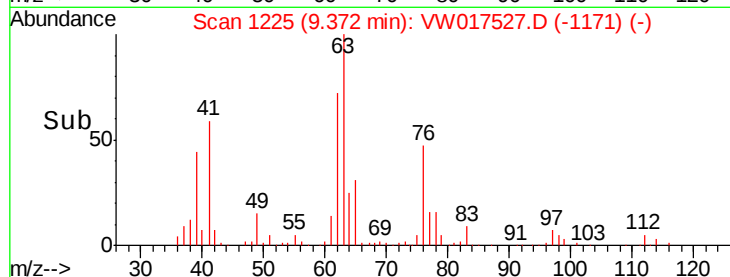
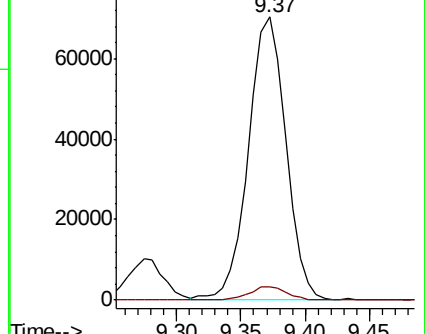
63 100

112 4.8 4.2 6.4



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#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

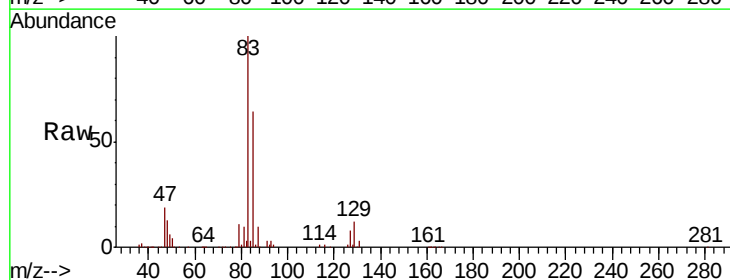
Tgt Ion: 83 Resp: 195467

Ion Ratio Lower Upper

83 100

85 64.1 46.8 86.8

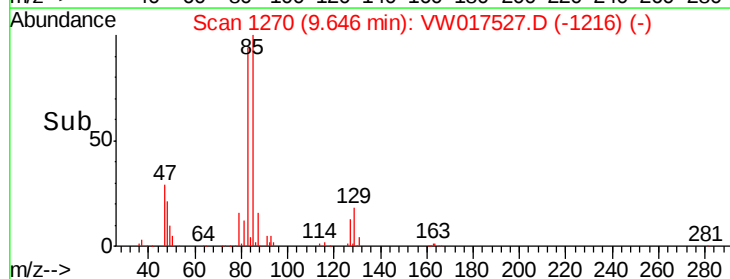
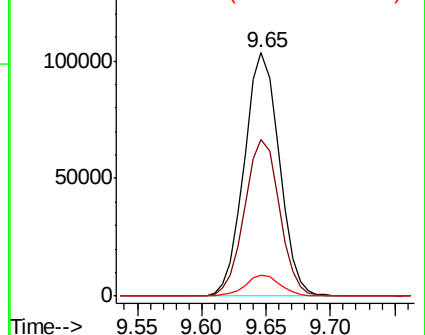
127 8.3 7.6 11.4

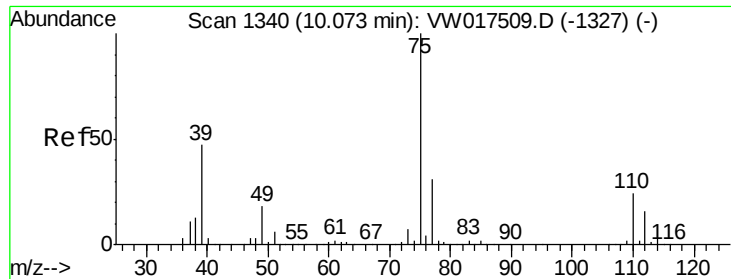


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V

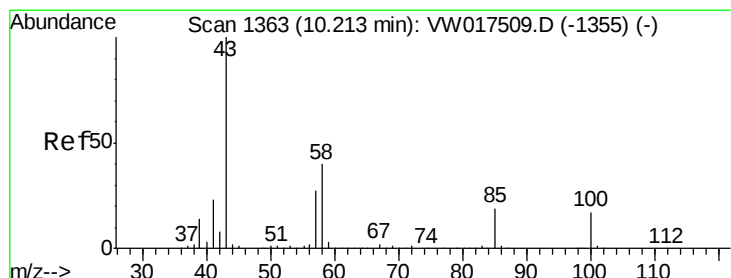
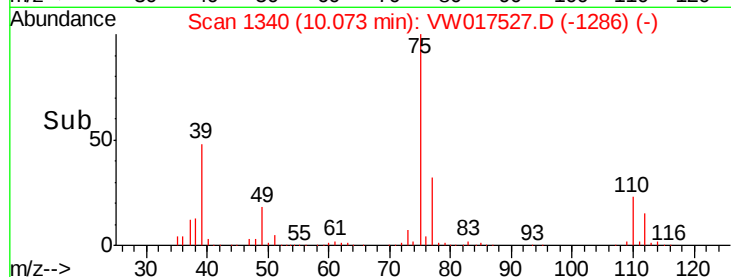
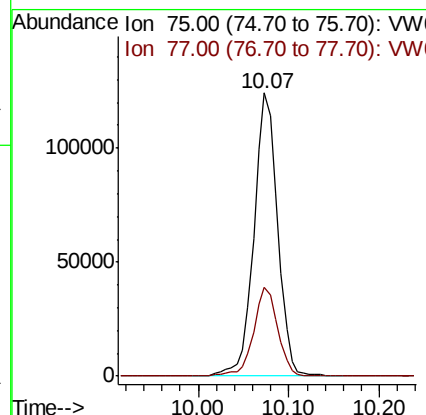
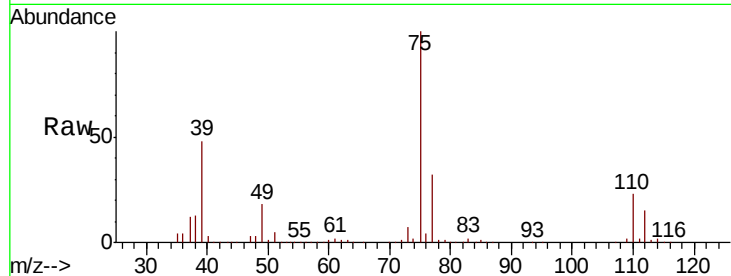




#42
 cis-1,3-Dichloropropene
 Concen: 26.652 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW017527.D
 Acq: 03 Dec 2020 09:43

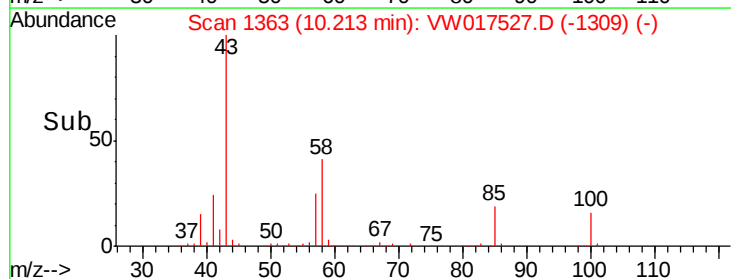
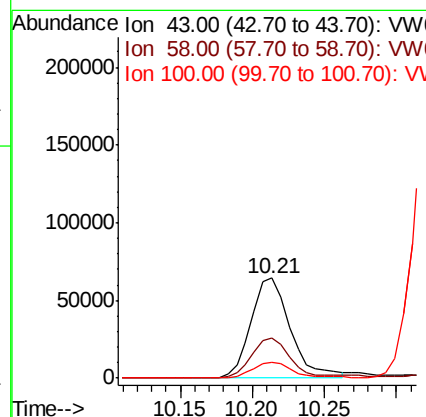
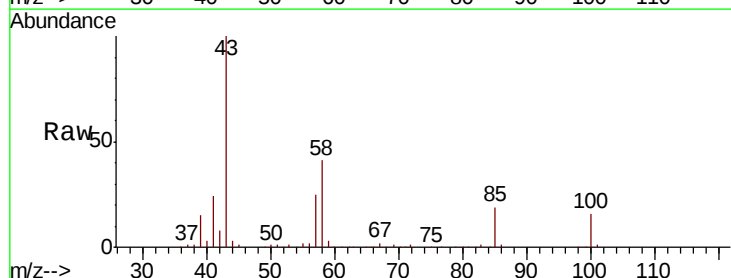
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02526

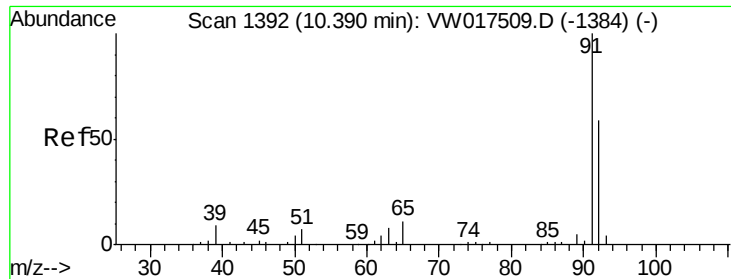
Tot Ion: 75 Resp: 224699
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.7 42.3



#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 :

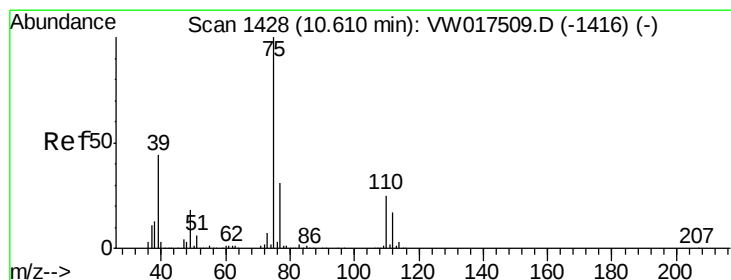
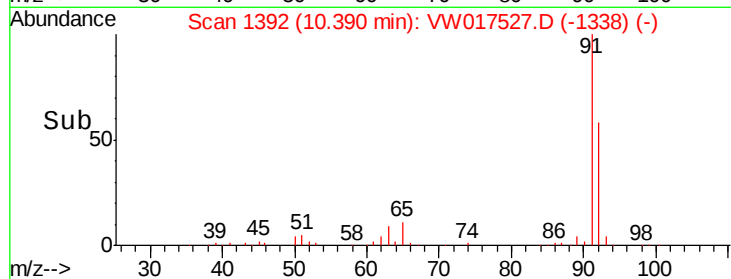
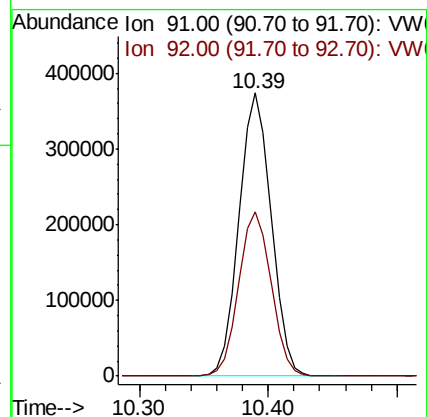
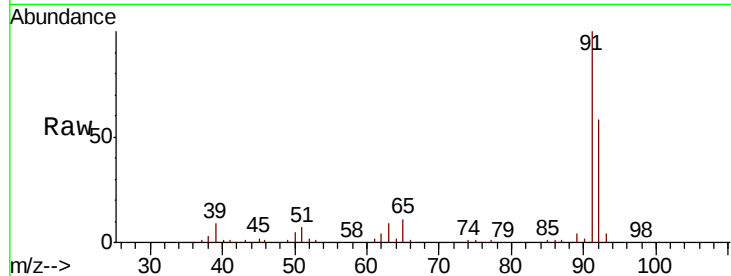
VSTD02526

Tot Ion: 91 Resp: 649440

Ion Ratio Lower Upper

91 100

92 57.9 41.6 77.3



#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

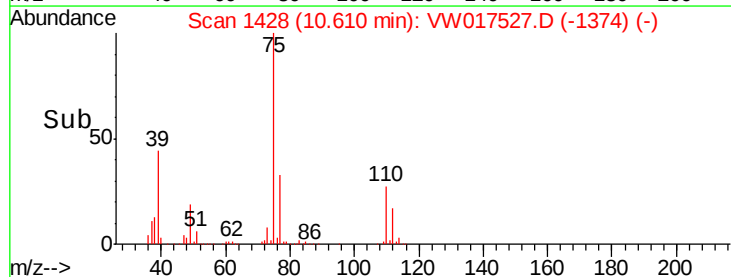
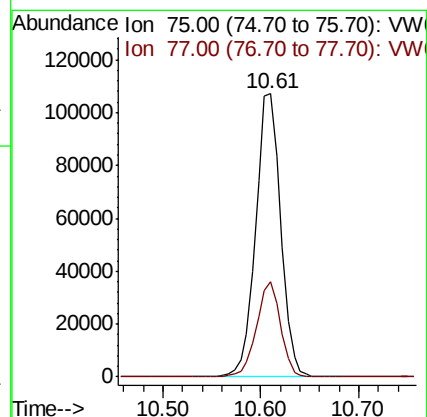
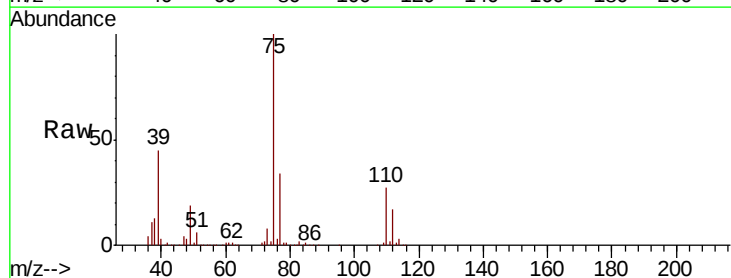
Acq: 03 Dec 2020 09:43

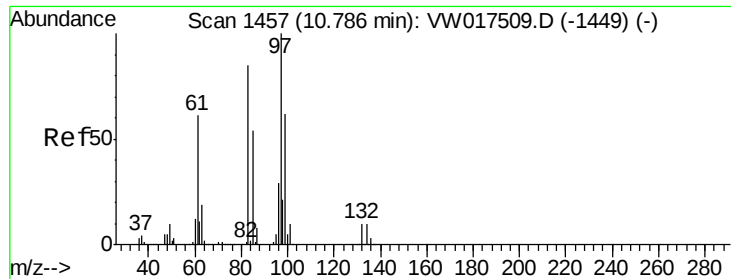
Tgt Ion: 75 Resp: 190527

Ion Ratio Lower Upper

75 100

77 33.5 22.6 42.0





#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 :

VSTD02526

Tot Ion: 97 Resp: 102728

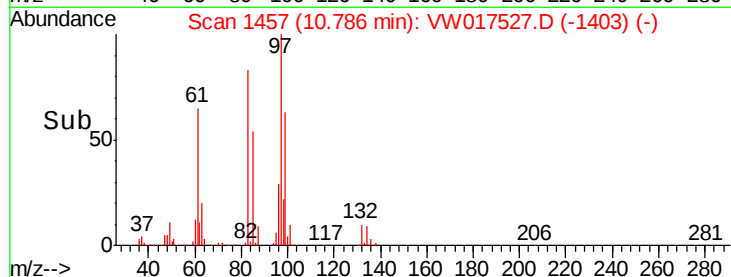
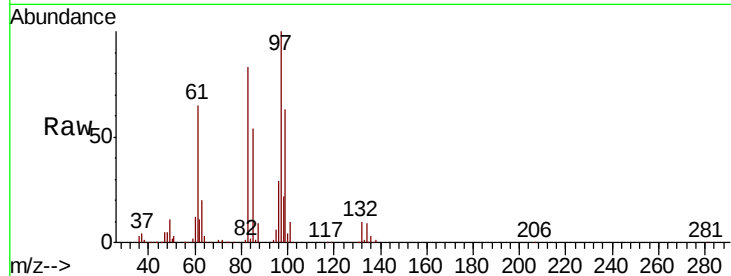
Ion Ratio Lower Upper

97 100

83 82.6 58.5 108.7

85 54.3 37.8 70.2

99 62.6 43.7 81.1

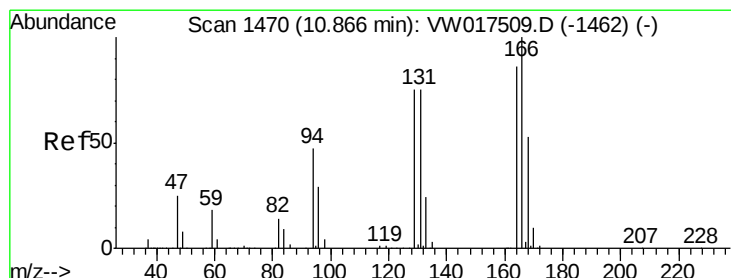
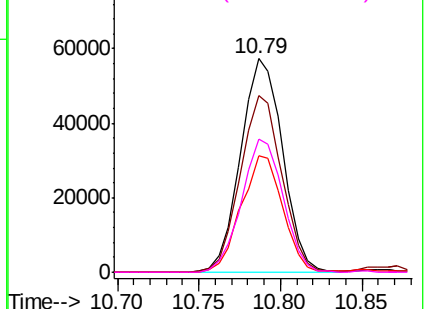


Abundance Ion 97.00 (96.70 to 97.70): VW

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

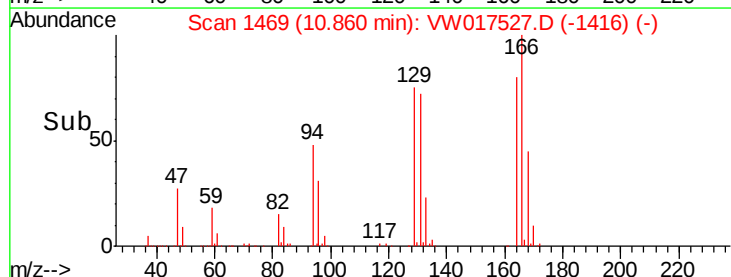
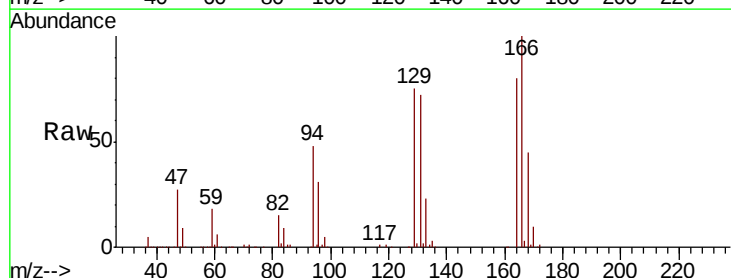
Ion Ratio Lower Upper

164 100

129 93.7 67.6 125.6

131 90.1 65.2 121.2

166 125.5 93.2 173.2

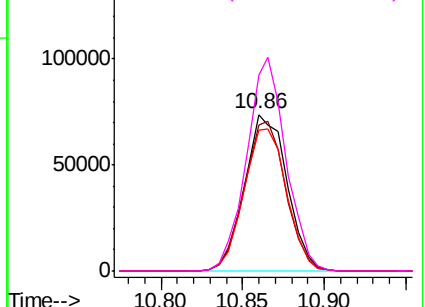


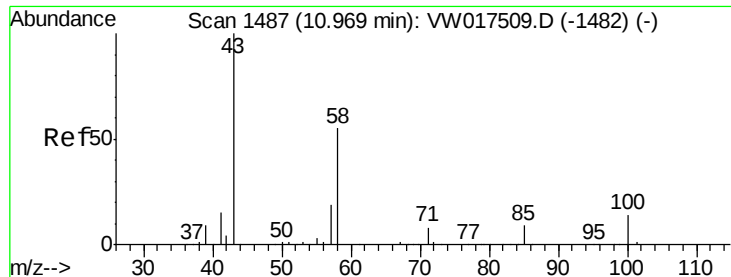
Abundance Ion 164.00 (163.70 to 164.70): V

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 :

VSTD02526

Tot Ion: 43 Resp: 94535

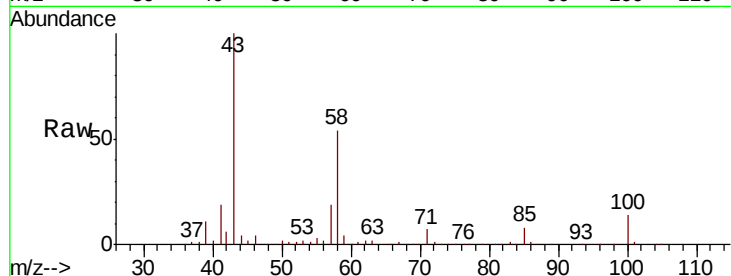
Ion Ratio Lower Upper

43 100

58 56.1 51.3 76.9

57 18.6 15.0 22.6

100 13.1 12.2 18.2



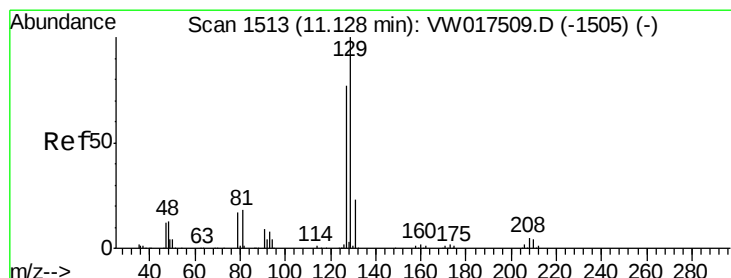
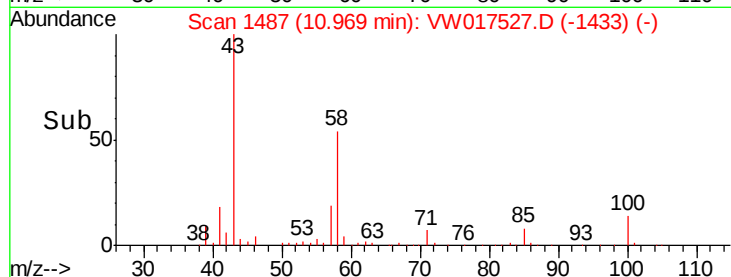
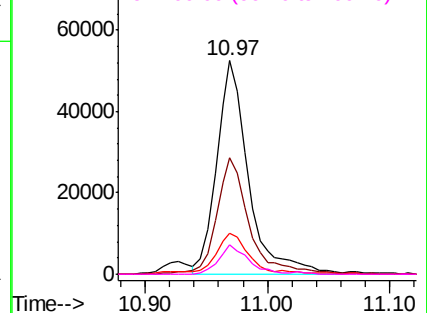
Abundance

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

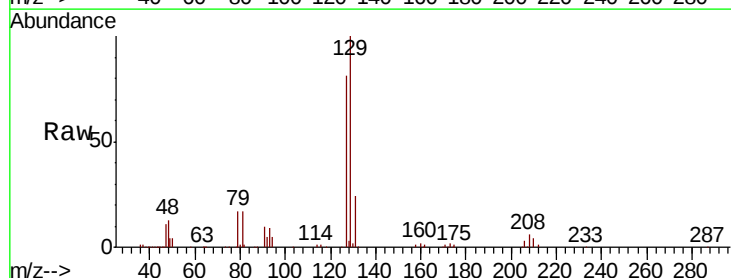
Acq: 03 Dec 2020 09:43

Tgt Ion: 129 Resp: 126830

Ion Ratio Lower Upper

129 100

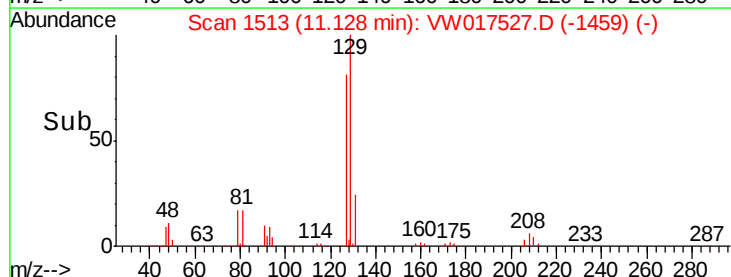
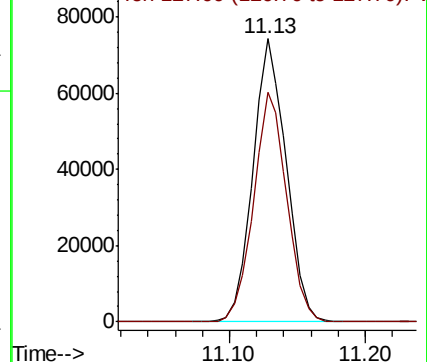
127 80.9 53.2 98.8

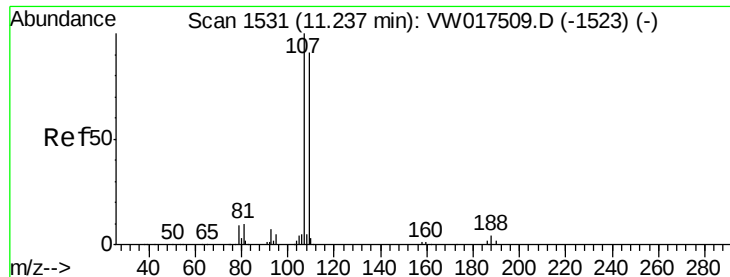


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

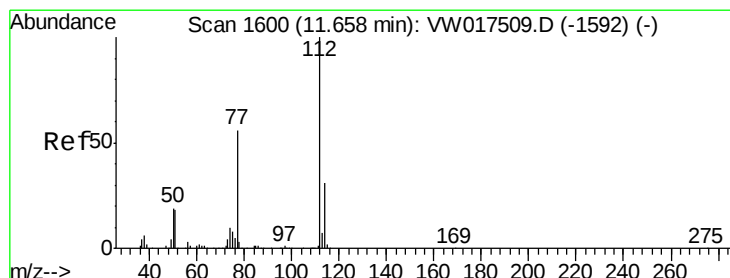
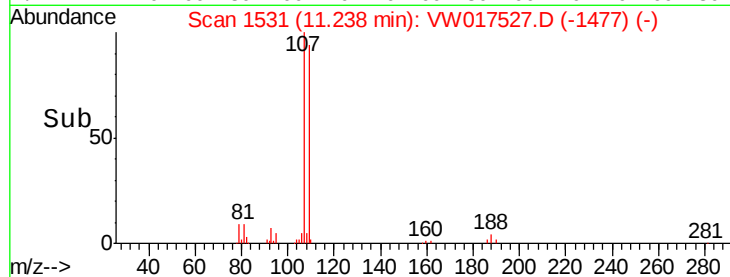
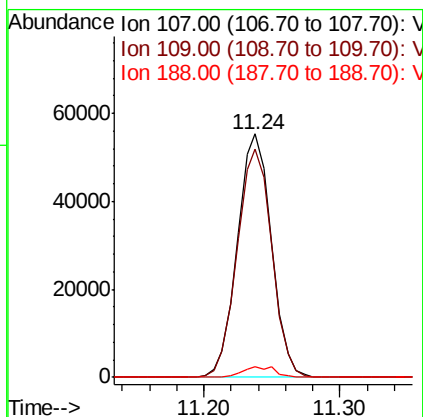
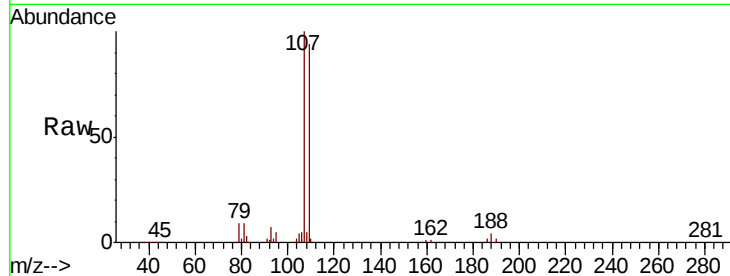




#51
 1,2-Dibromoethane
 Concen: 24.807 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW017527.D
 Acq: 03 Dec 2020 09:43

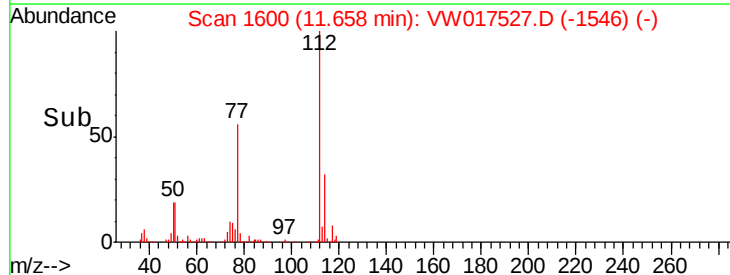
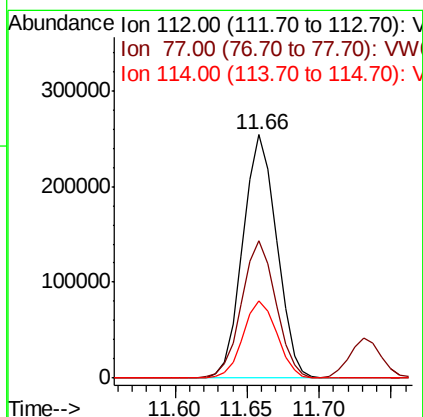
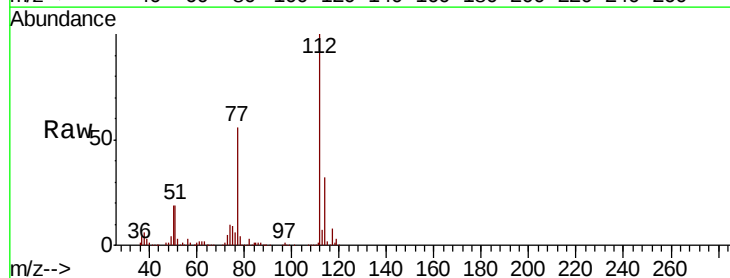
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02526

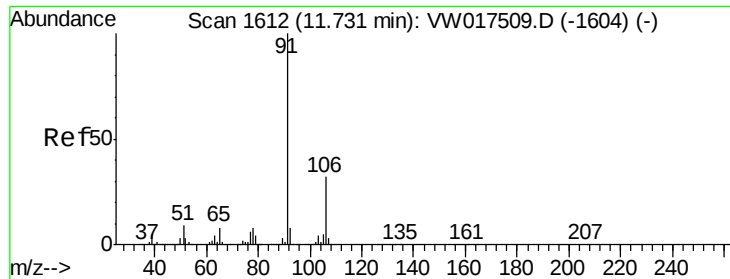
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	66.4	123.2
188	4.4	4.0	6.0



#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

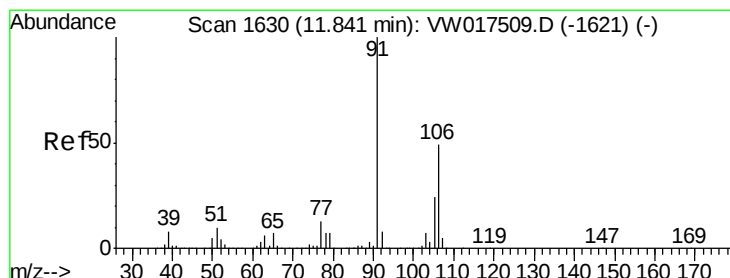
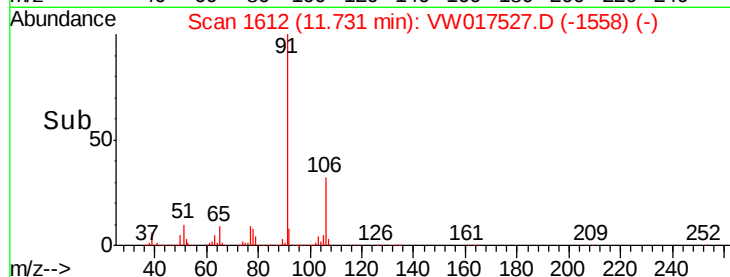
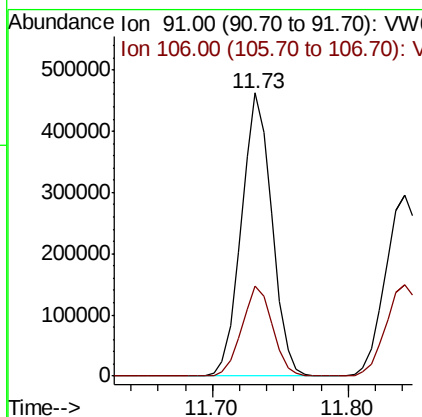
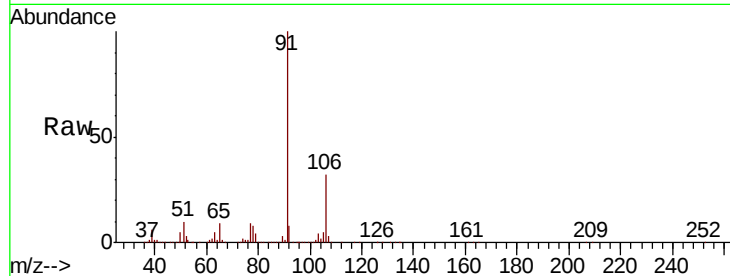




#53
Ethylbenzene
Concen: 25.661 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW017527.D
Acq: 03 Dec 2020 09:43

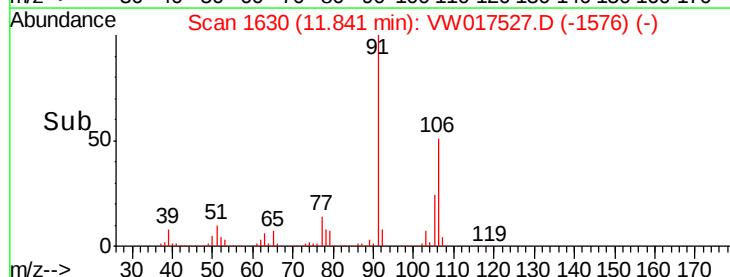
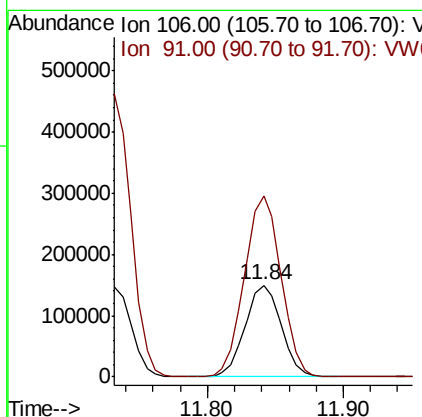
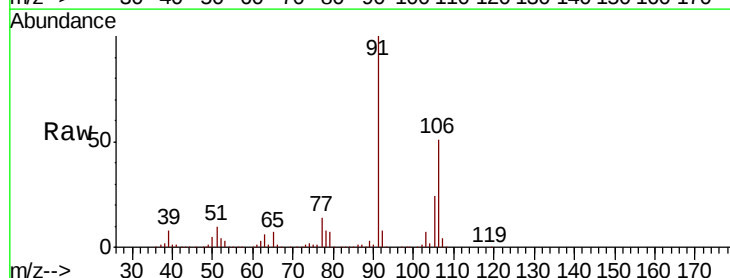
Instrument :
MSVOA_W
ClientSampleId :
VSTD02526

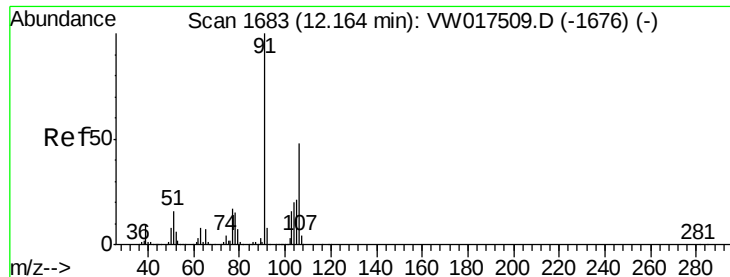
Tot Ion: 91 Resp: 725529
Ion Ratio Lower Upper
91 100
106 32.0 21.1 39.1



#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. 0.01 min

Lab File: VW017527.D

Acq: 03 Dec 2020 09:43

Instrument :

MSVOA_W

ClientSampleId :

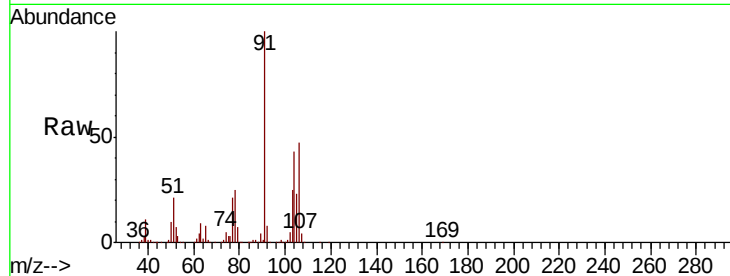
VSTD02526

Tot Ion:106 Resp: 260637

Ion Ratio Lower Upper

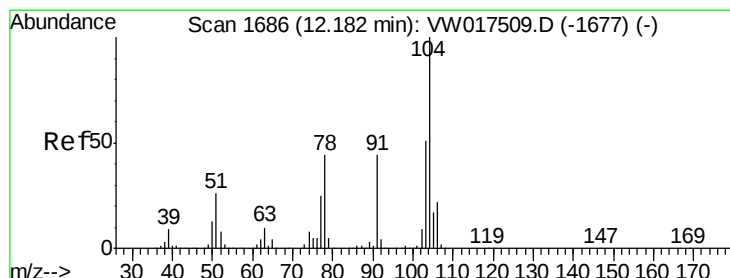
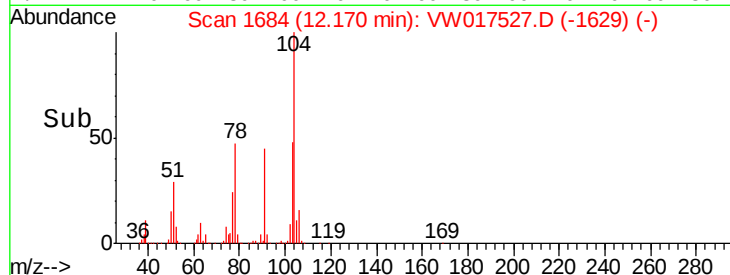
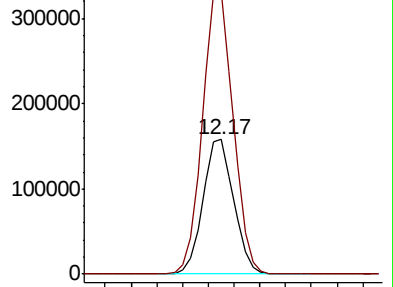
106 100

91 210.7 147.6 274.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 25.992 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW017527.D

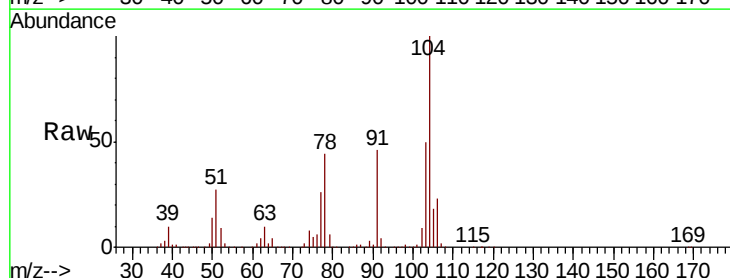
Acq: 03 Dec 2020 09:43

Tgt Ion:104 Resp: 439314

Ion Ratio Lower Upper

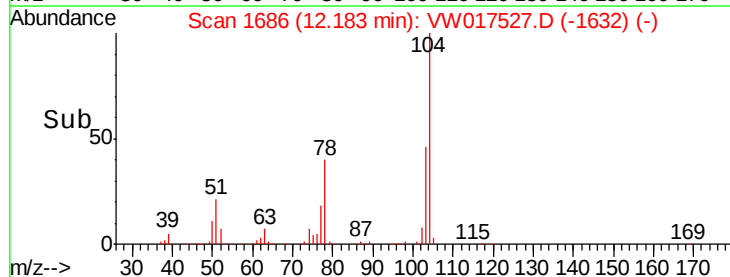
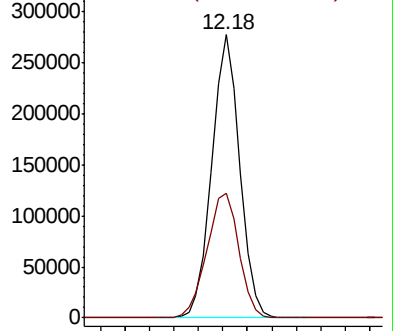
104 100

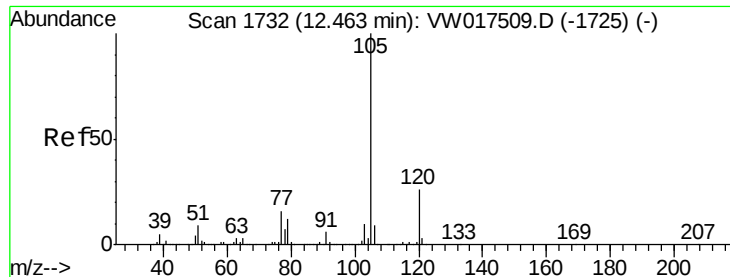
78 44.0 31.3 58.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#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

ClientSampleId :

VSTD02526

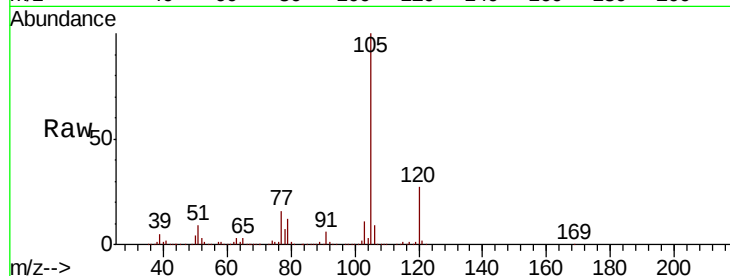
Tot Ion:105 Resp: 731009

Ion Ratio Lower Upper

105 100

120 26.8 21.4 32.2

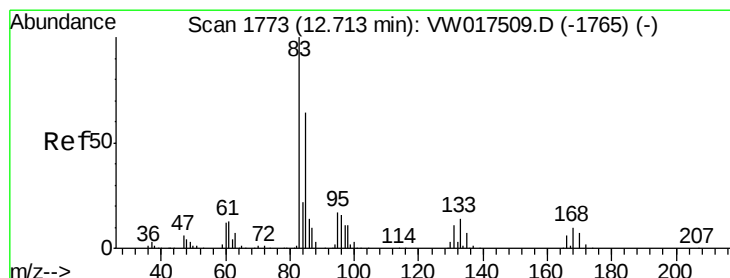
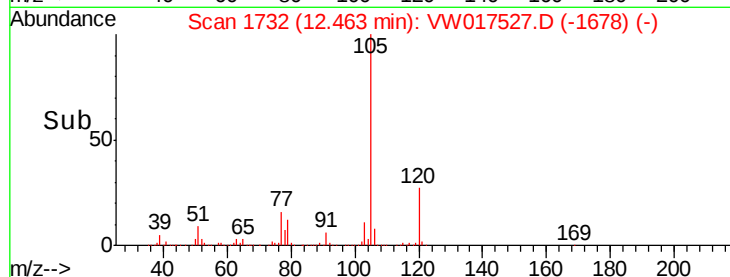
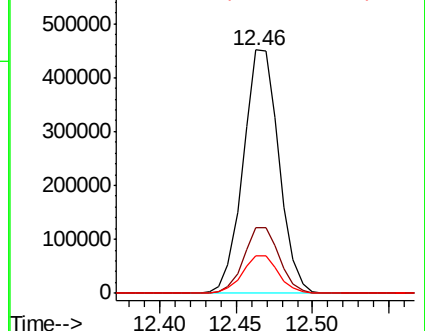
77 15.5 12.1 18.1



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

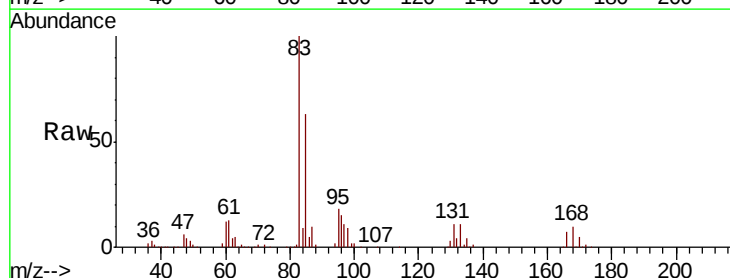
Tgt Ion: 83 Resp: 110031

Ion Ratio Lower Upper

83 100

85 62.5 45.3 84.1

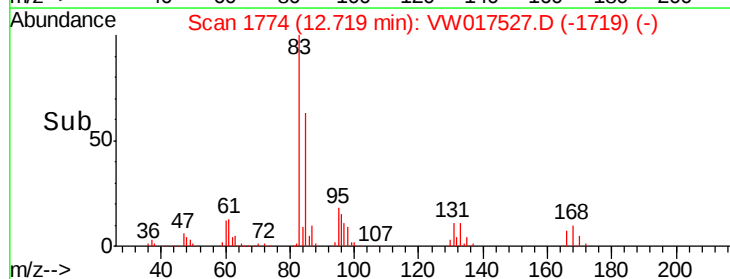
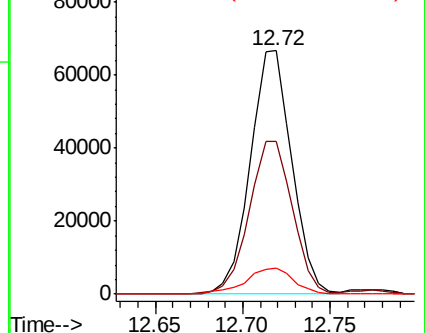
131 10.9 8.3 12.5

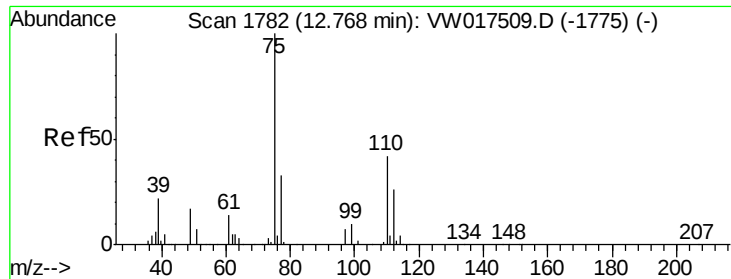


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 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

ClientSampleId :

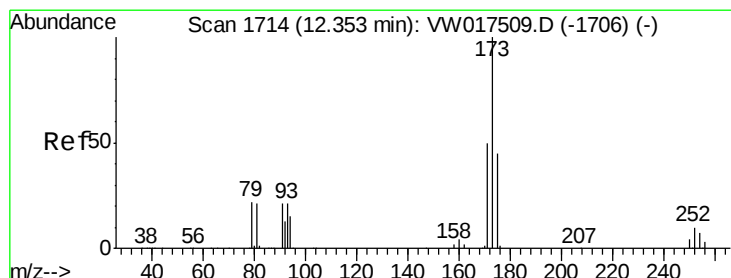
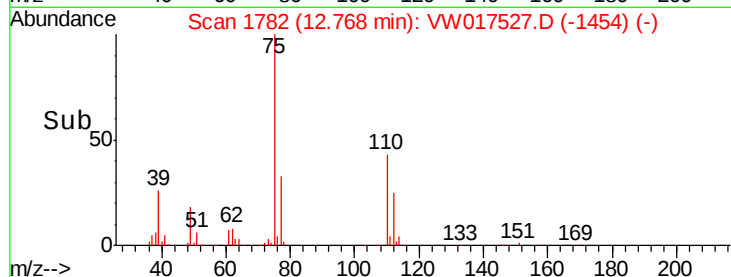
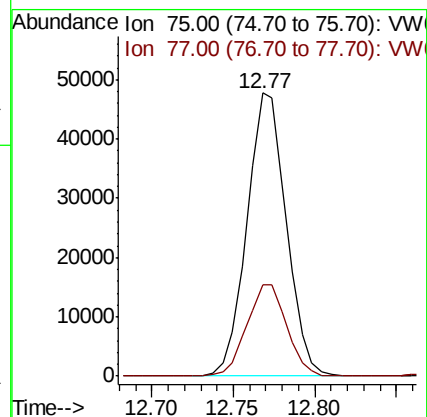
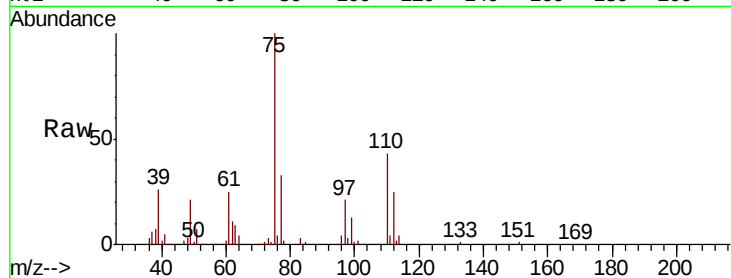
VSTD02526

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. 0.00 min

Lab File: VW017527.D

Acq: 03 Dec 2020 09:43

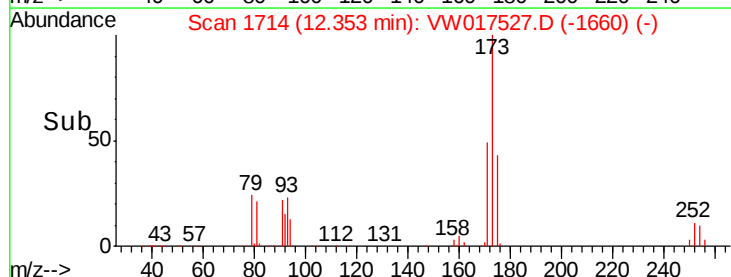
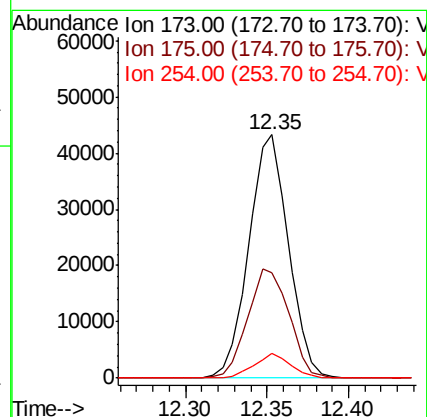
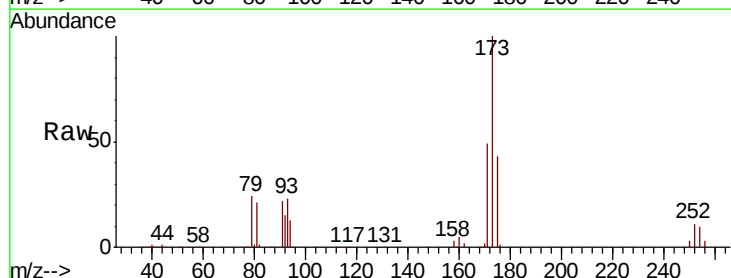
Tgt Ion: 173 Resp: 73300

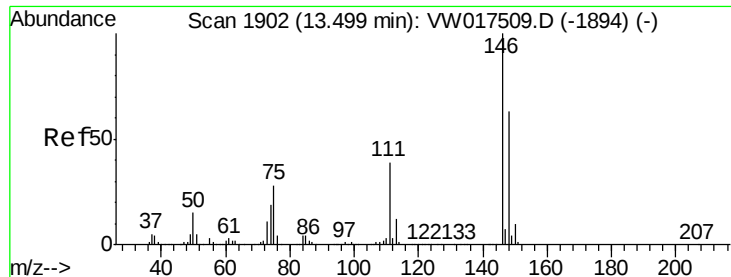
Ion Ratio Lower Upper

173 100

175 46.8 39.1 58.7

254 9.3 7.1 10.7

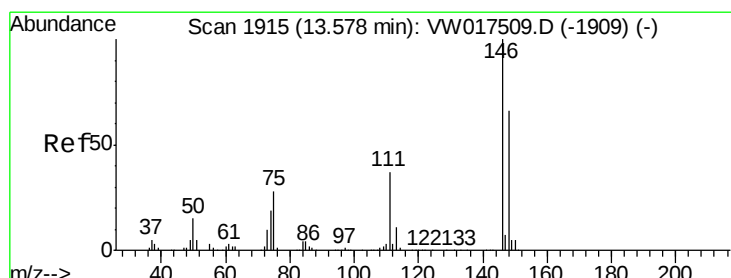
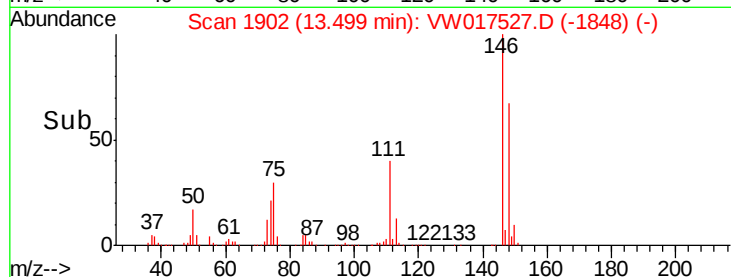
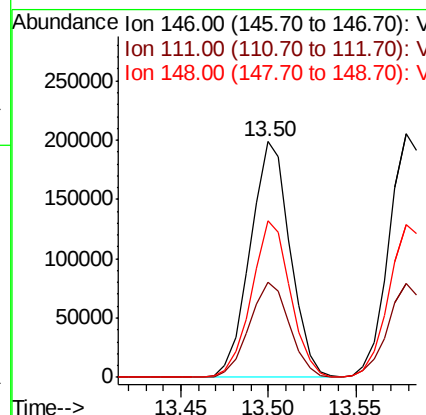
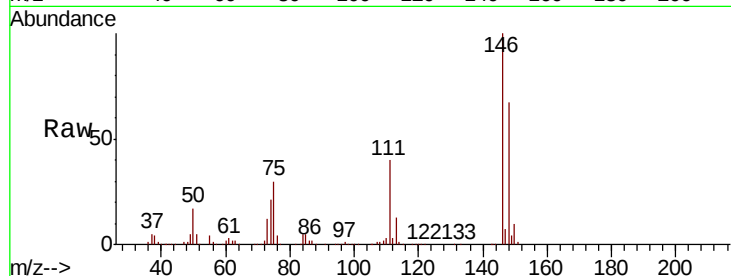




#63
1,3-Dichlorobenzene
Concen: 24.280 ug/L
RT: 13.50 min Scan# 1902
Delta R.T. 0.00 min
Lab File: VW017527.D
Acq: 03 Dec 2020 09:43

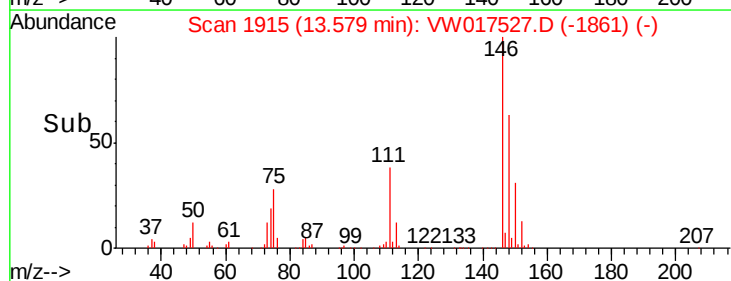
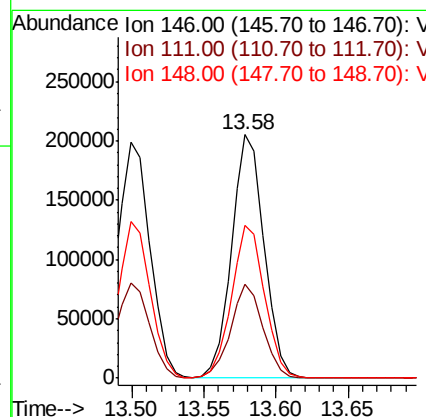
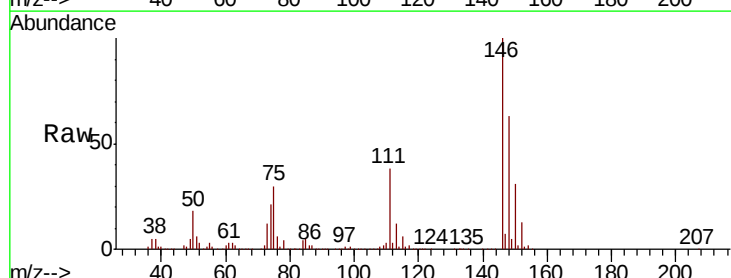
Instrument :
MSVOA_W
ClientSampleId :
VSTD02526

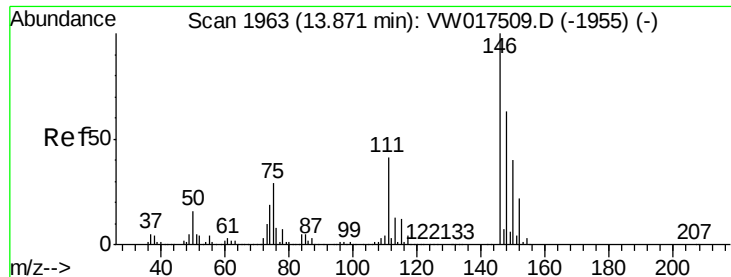
Tot Ion:146 Resp: 317889
Ion Ratio Lower Upper
146 100
111 40.3 28.5 52.9
148 66.6 47.8 88.8



#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

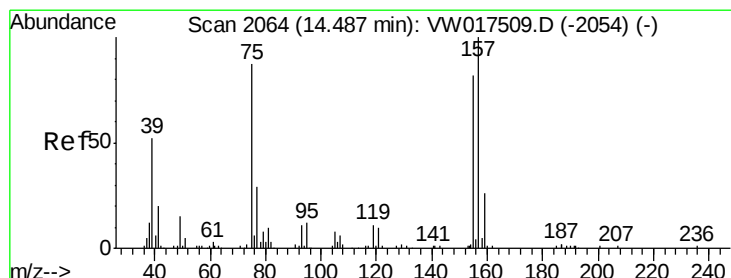
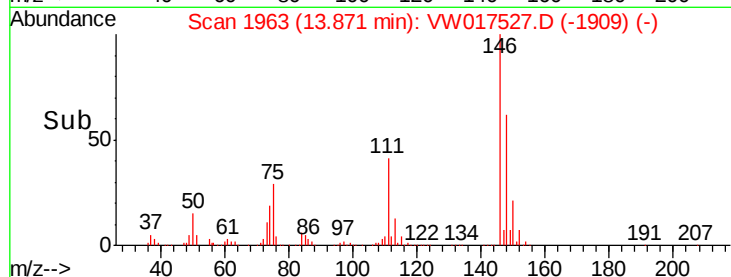
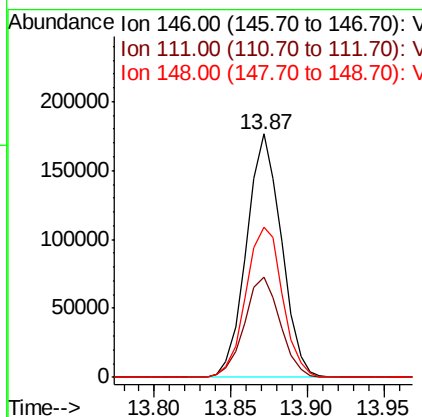
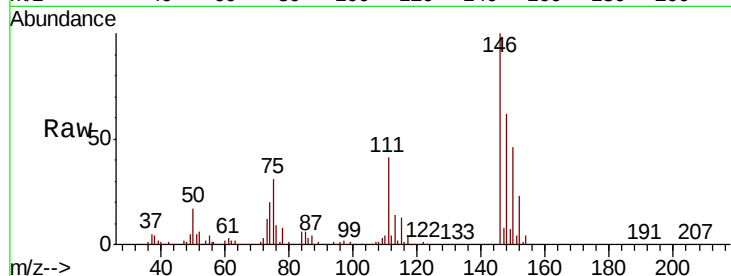




#65
 1,2-Dichlorobenzene
 Concen: 24.583 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW017527.D
 Acq: 03 Dec 2020 09:43

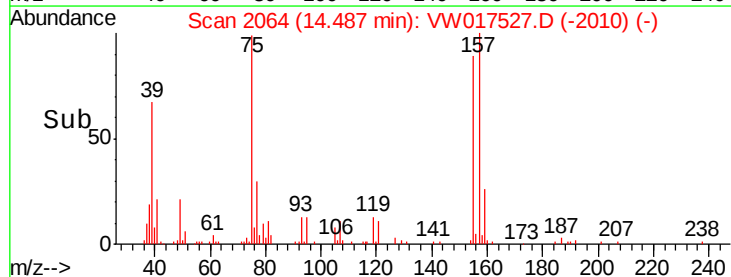
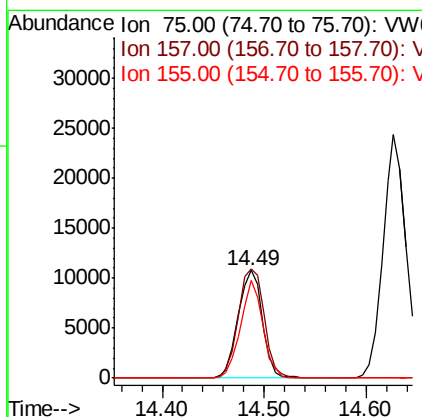
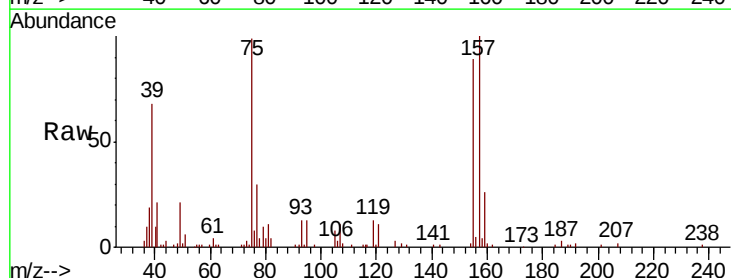
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02526

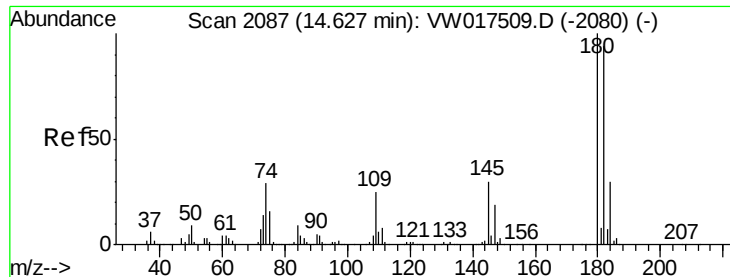
Tot Ion:146 Resp: 280335
 Ion Ratio Lower Upper
 146 100
 111 41.2 31.7 47.5
 148 61.8 49.3 73.9



#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

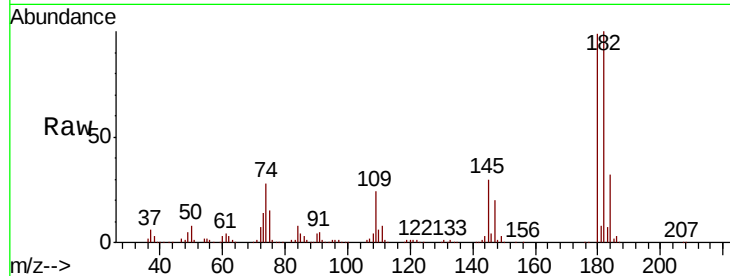




#67
 1,3,5-Trichlorobenzene
 Concen: 24.332 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.01 min
 Lab File: VW017527.D
 Acq: 03 Dec 2020 09:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02526

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



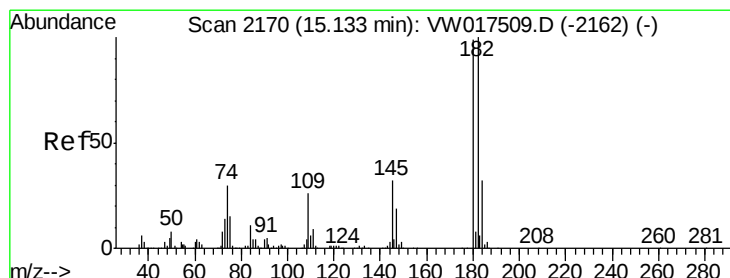
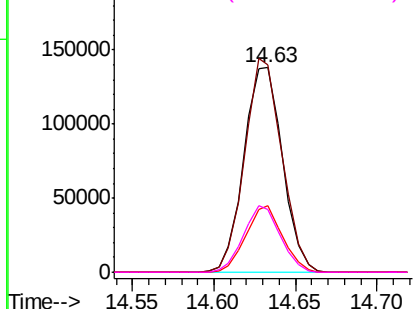
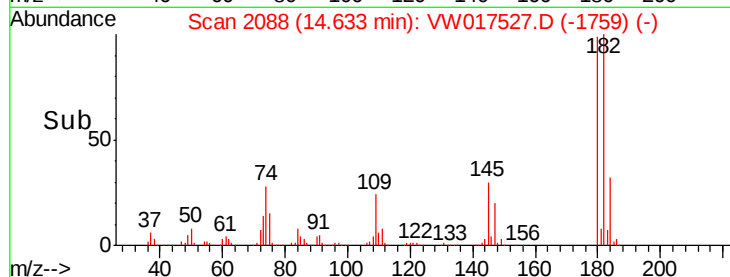
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

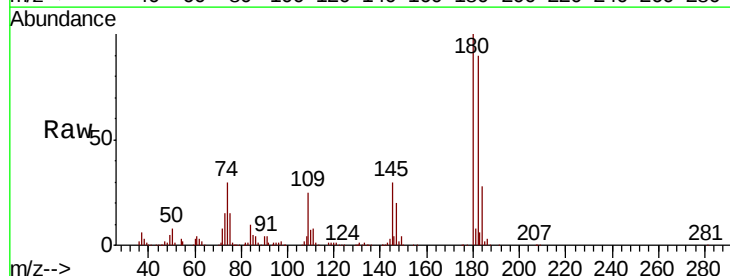
Ion 184.00 (183.70 to 184.70): V

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

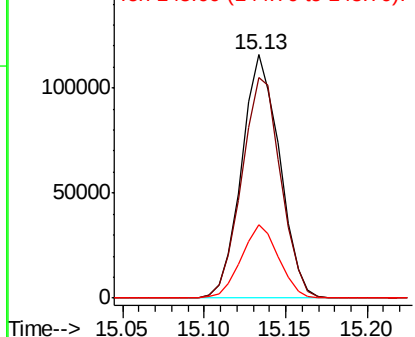
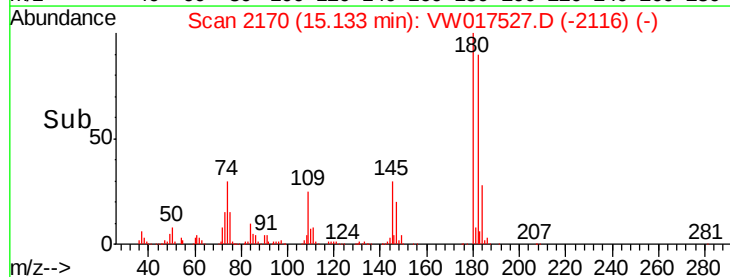


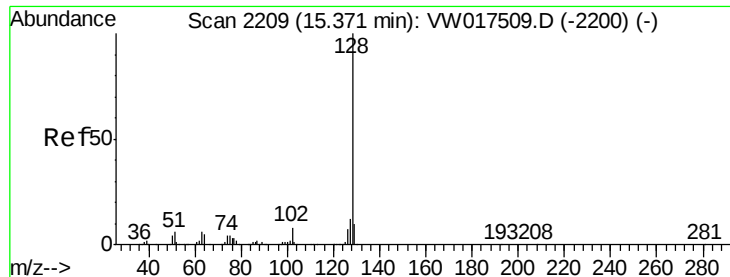
Abundance

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 :

VSTD02526

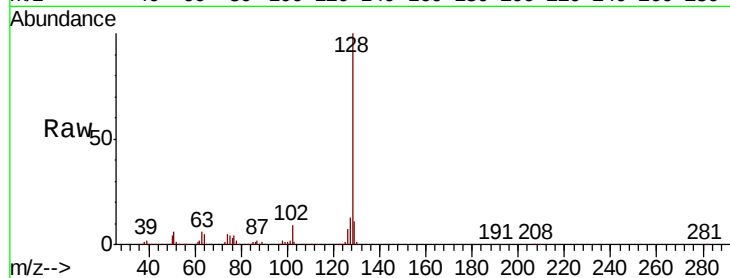
Tot Ion:128 Resp: 291735

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

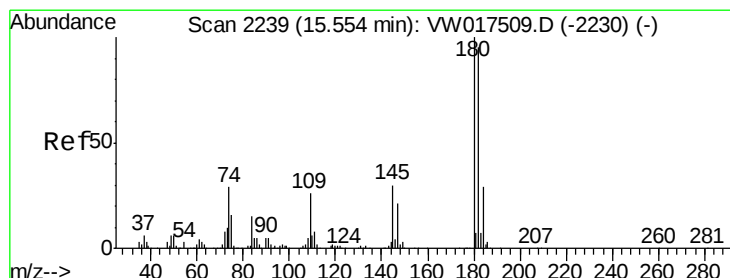
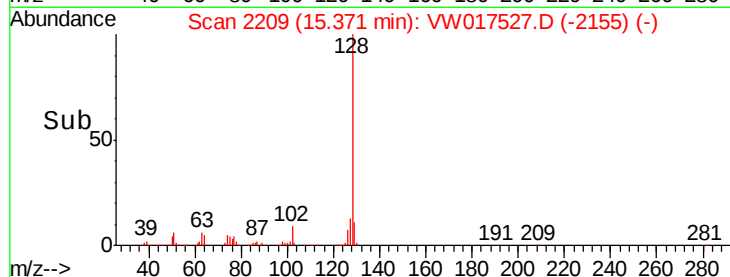
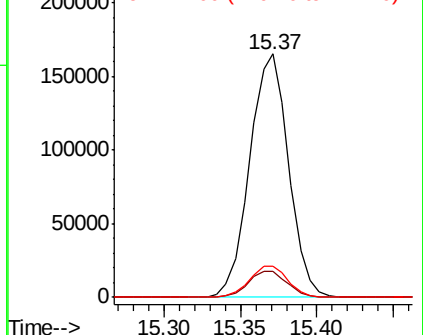
127 12.9 10.7 16.1



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. 0.01 min

Lab File: VW017527.D

Acq: 03 Dec 2020 09:43

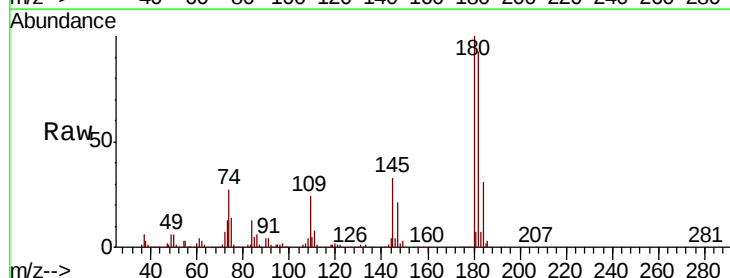
Tgt Ion:180 Resp: 162138

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

