

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111820\
 Data File : VW017321.D
 Acq On : 18 Nov 2020 11:45
 Operator : SY/VA
 Sample : VSTD00506
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00506

Quant Time: Nov 18 12:52:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111820S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 18 12:44:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	405206	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	370350	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	188507	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	33719	6.69	ug/L	0.00
7) Chloroethane-d5	2.90	69	25284	6.42	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.03	63	54563	5.98	ug/L	0.00
20) 2-Butanone-d5	7.09	46	9187	8.60	ug/L	0.00
24) Chloroform-d	7.65	84	52548	5.58	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	24808	5.36	ug/L	0.00
29) Benzene-d6	8.28	84	105437	5.63	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	27457	5.34	ug/L	0.00
37) Toluene-d8	10.33	98	96195	5.43	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.59	79	11126	4.86	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	5957	7.08	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	19501	4.50	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	34139	5.28	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	18449	4.656	ug/L 100
3) Chloromethane	2.21	50	21453	5.733	ug/L 98
5) Vinyl chloride	2.37	62	31436	5.734	ug/L 94
6) Bromomethane	2.78	94	23247	6.053	ug/L 100
8) Chloroethane	2.93	64	19072	5.732	ug/L 96
9) Trichlorofluoromethane	3.27	101	26639	5.922	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.08	101	18076	3.472	ug/L # 54
12) 1,1-Dichloroethene	4.04	96	25946	5.171	ug/L # 77
13) Acetone	4.12	43	7130	9.861	ug/L 77
14) Carbon disulfide	4.38	76	76978	5.518	ug/L 97
15) Methyl Acetate	4.68	43	7056	3.999	ug/L # 78
16) Methylene chloride	4.93	84	49875	8.924	ug/L 96
17) Methyl tert-butyl Ether	5.42	73	30203	5.030	ug/L # 91
18) trans-1,2-Dichloroethene	5.43	96	27865	5.321	ug/L 96
19) 1,1-Dichloroethane	6.22	63	43575	5.314	ug/L 97
21) 2-Butanone	7.18	43	10936	9.502	ug/L 93
22) cis-1,2-Dichloroethene	7.18	96	28308	5.181	ug/L 98
23) Bromochloromethane	7.52	128	13175	5.081	ug/L 95
25) Chloroform	7.68	83	48709	5.436	ug/L 99
27) 1,2-Dichloroethane	8.40	62	27719	5.219	ug/L 97
30) Cyclohexane	7.96	56	35551	5.096	ug/L 100
31) 1,1,1-Trichloroethane	7.87	97	43044	5.594	ug/L 98
32) Carbon tetrachloride	8.07	117	41150	5.550	ug/L 96
34) Benzene	8.33	78	104703	5.369	ug/L 100
35) Trichloroethene	9.10	95	30351	5.519	ug/L 97
36) Methylcyclohexane	9.34	83	47284	5.344	ug/L 99
40) 1,2-Dichloropropane	9.37	63	23307	5.172	ug/L 98
41) Bromodichloromethane	9.65	83	32028	5.131	ug/L 98
42) cis-1,3-Dichloropropene	10.08	75	33466	4.701	ug/L 97
43) 4-Methyl-2-pentanone	10.21	43	19213	7.288	ug/L 100

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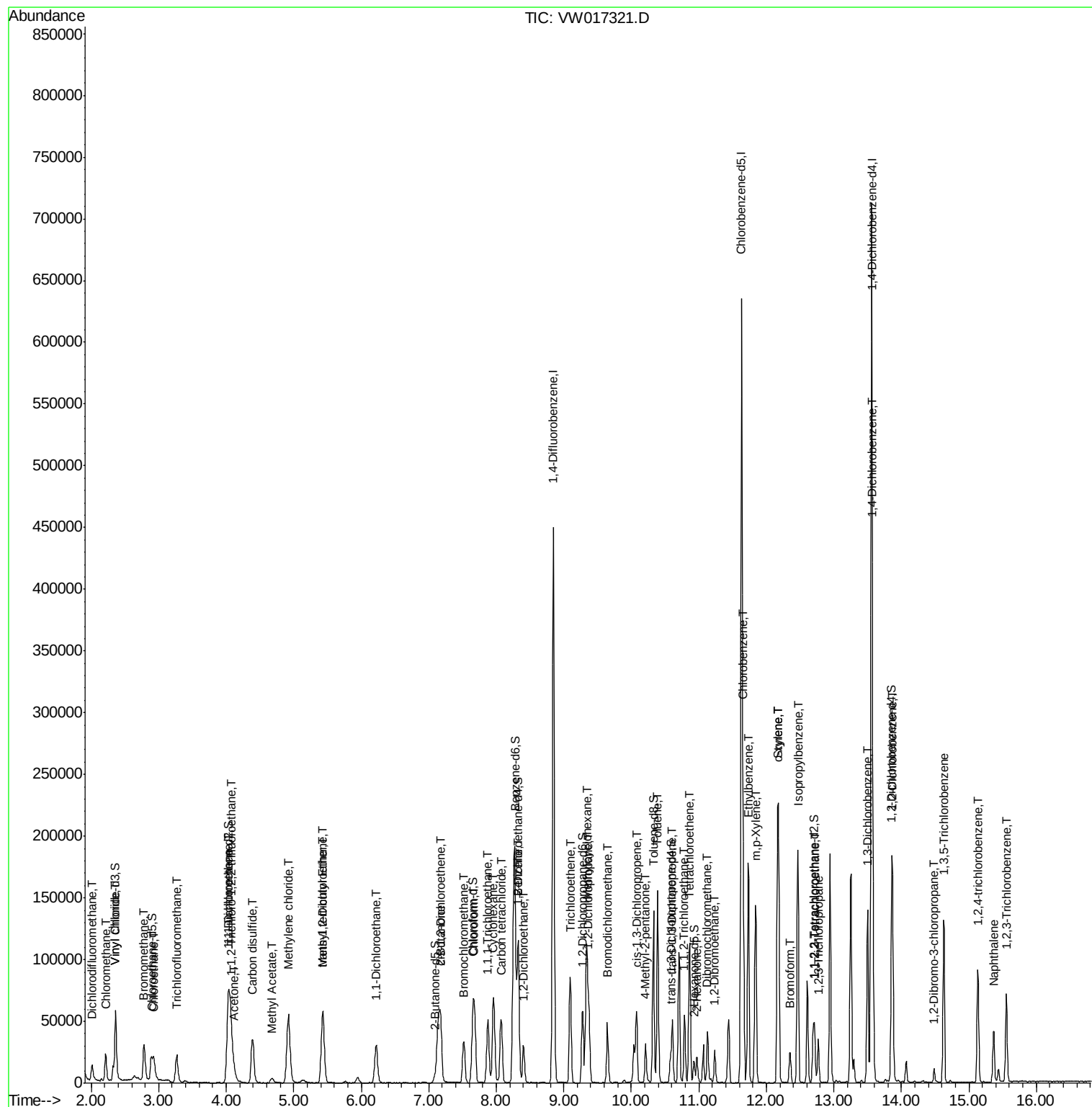
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	114806	5.347	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	27665	4.564	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	18059	4.757	ug/L	96
47) Tetrachloroethene	10.87	164	26593	5.349	ug/L	98
49) 2-Hexanone	10.98	43	12634	7.959	ug/L	94
50) Dibromochloromethane	11.13	129	21798	4.657	ug/L	93
51) 1,2-Dibromoethane	11.24	107	16939	4.607	ug/L	96
52) Chlorobenzene	11.66	112	78011	5.393	ug/L	98
53) Ethylbenzene	11.73	91	127637	5.299	ug/L	96
54) m,p-Xylene	11.84	106	49210	5.260	ug/L	98
55) o-xylene	12.16	106	44958	5.080	ug/L	95
56) Styrene	12.18	104	73167	4.942	ug/L	99
57) Isopropylbenzene	12.47	105	126516	5.249	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	19116	4.445	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	13591	4.407	ug/L	96
62) Bromoform	12.35	173	11703	4.265	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	60336	5.221	ug/L	94
64) 1,4-Dichlorobenzene	13.58	146	59642	5.156	ug/L	94
65) 1,2-Dichlorobenzene	13.87	146	53362	5.211	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.48	75	2650	4.068	ug/L #	74
67) 1,3,5-Trichlorobenzene	14.63	180	43166	5.093	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	30896	4.642	ug/L	99
69) Naphthalene	15.36	128	37139	3.207	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	27354	4.562	ug/L	94

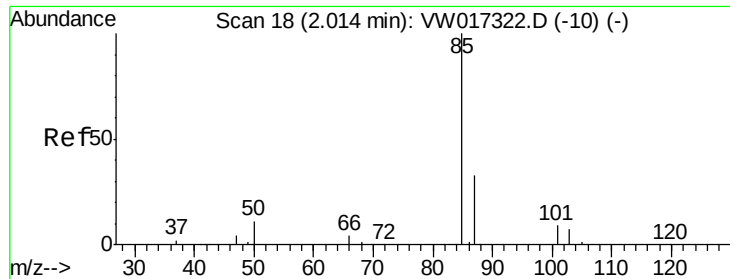
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.656 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW017321.D

Acq: 18 Nov 2020 11:45

Instrument :

MSVOA_W

ClientSampleId :

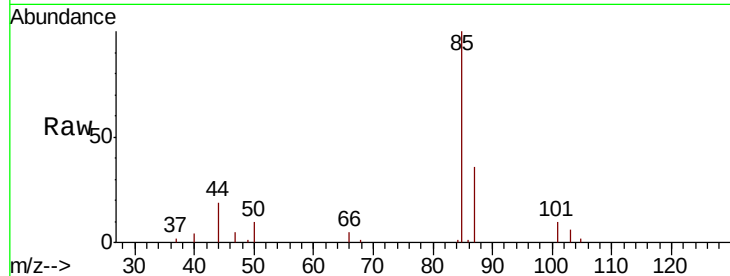
VSTD00506

Tot Ion: 85 Resp: 18449

Ion Ratio Lower Upper

85 100

87 31.0 21.8 40.4



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW

2.01

8000

6000

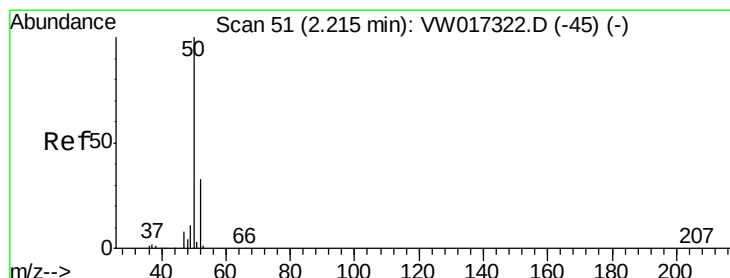
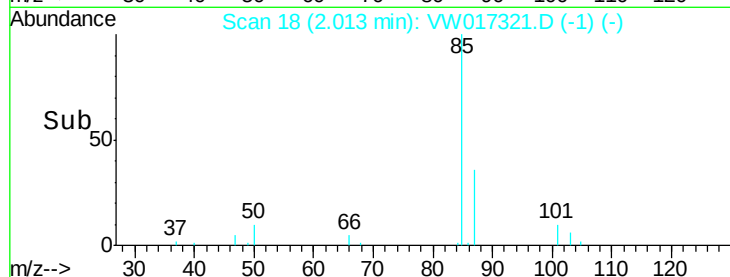
4000

2000

0

1.95 2.00 2.05 2.10

Time-->



#3

Chloromethane

Concen: 5.733 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW017321.D

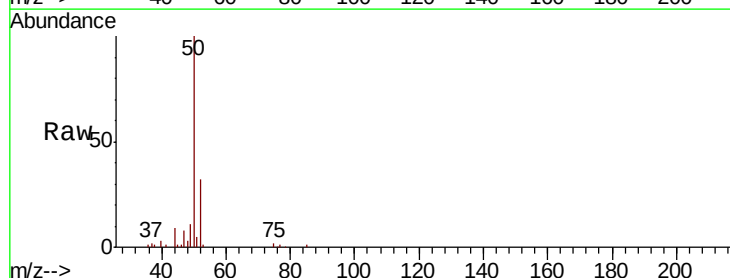
Acq: 18 Nov 2020 11:45

Tgt Ion: 50 Resp: 21453

Ion Ratio Lower Upper

50 100

52 32.1 23.2 43.0



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW

2.21

15000

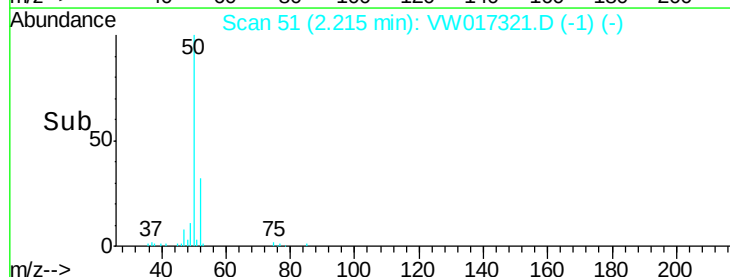
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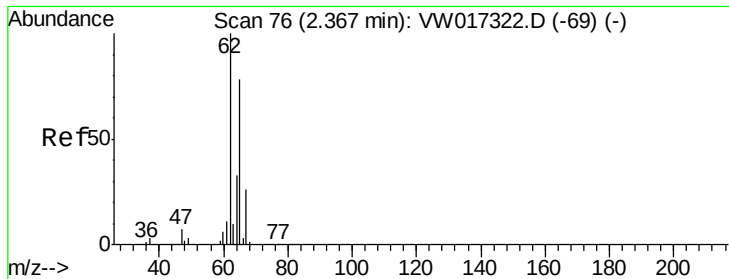
5000

0

2.15 2.20 2.25 2.30

Time-->





#5

Vinyl chloride

Concen: 5.734 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW017321.D

Acq: 18 Nov 2020 11:45

Instrument :

MSVOA_W

ClientSampleId :

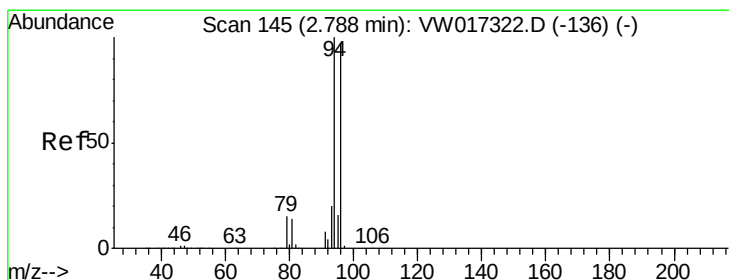
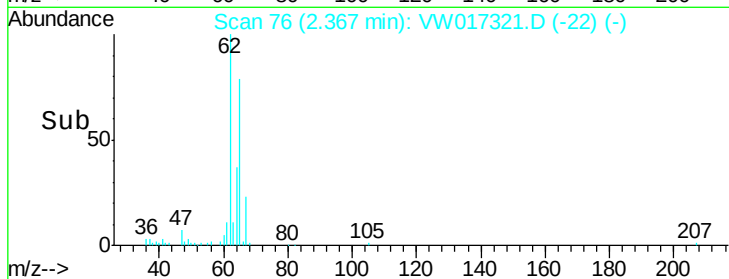
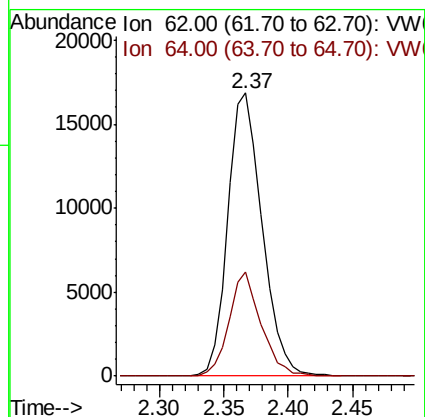
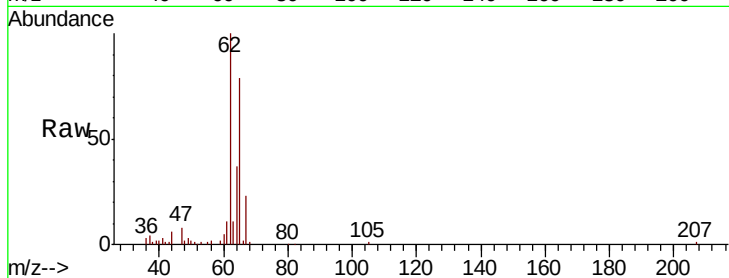
VSTD00506

Tot Ion: 62 Resp: 31436

Ion Ratio Lower Upper

62 100

64 37.0 23.4 43.4



#6

Bromomethane

Concen: 6.053 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW017321.D

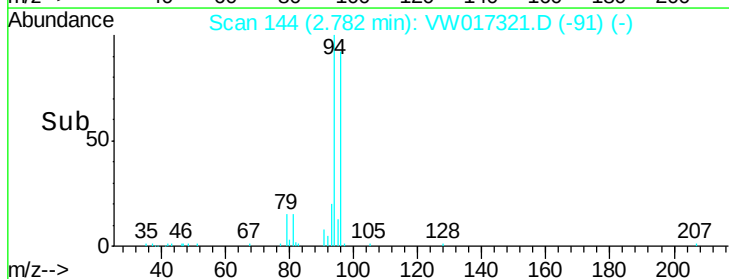
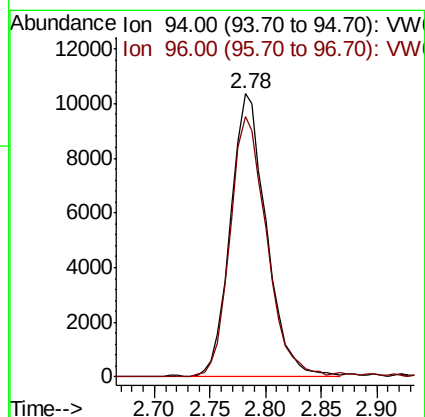
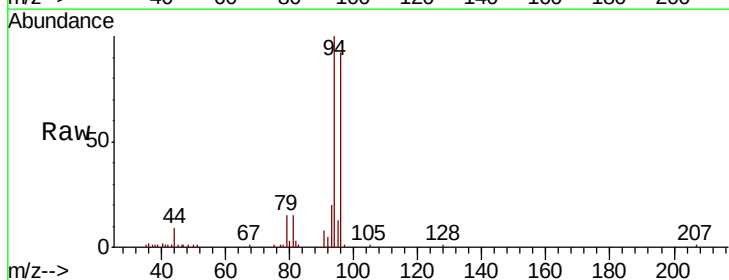
Acq: 18 Nov 2020 11:45

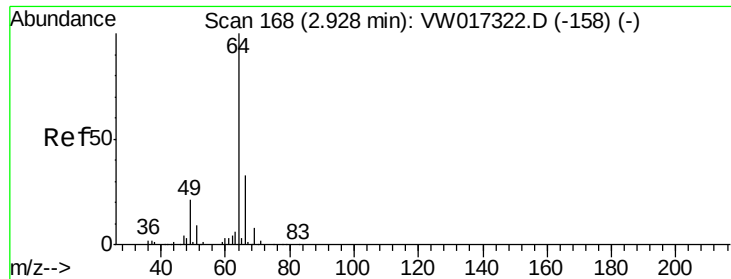
Tgt Ion: 94 Resp: 23247

Ion Ratio Lower Upper

94 100

96 93.7 9.4 178.6





#8

Chloroethane

Concen: 5.732 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW017321.D

Acq: 18 Nov 2020 11:45

Instrument :

MSVOA_W

ClientSampleId :

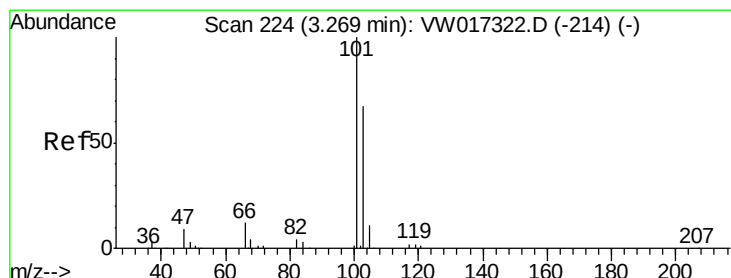
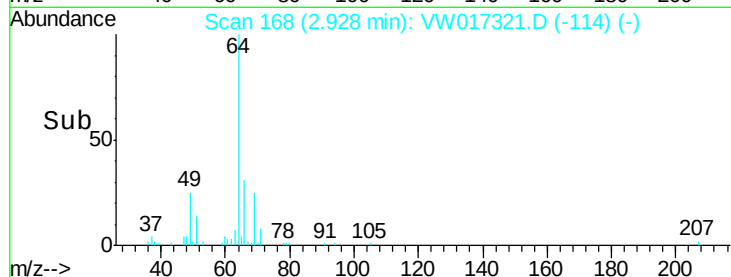
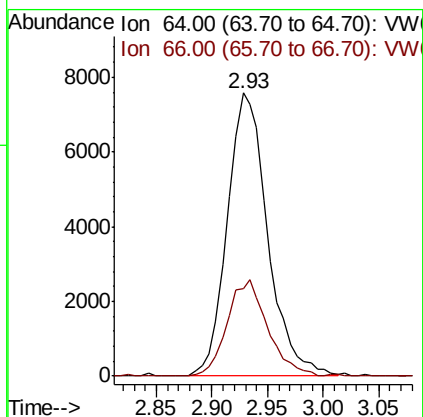
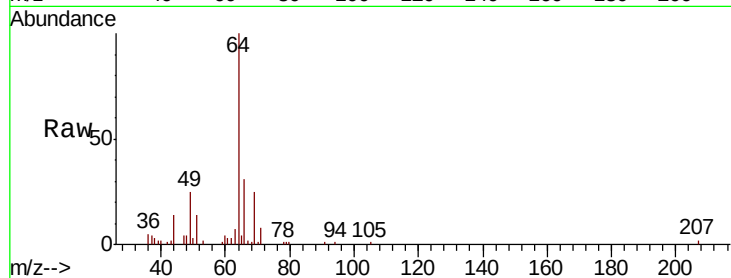
VSTD00506

Tot Ion: 64 Resp: 19072

Ion Ratio Lower Upper

64 100

66 30.9 23.2 43.0



#9

Trichlorofluoromethane

Concen: 5.922 ug/L

RT: 3.27 min Scan# 224

Delta R.T. -0.00 min

Lab File: VW017321.D

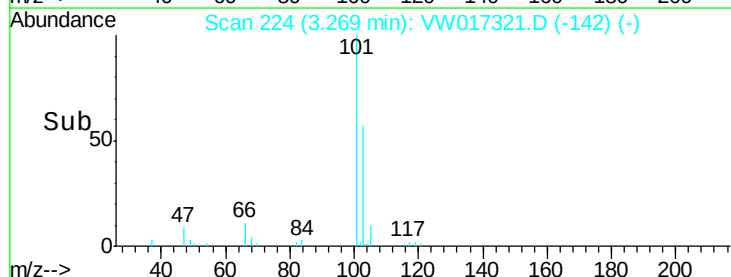
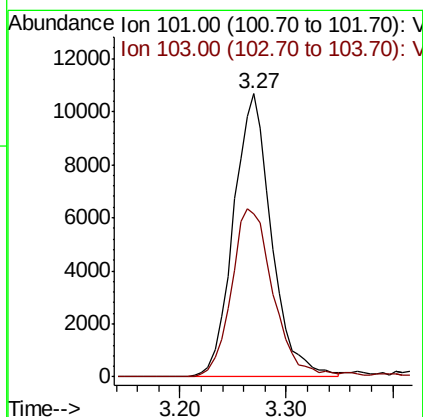
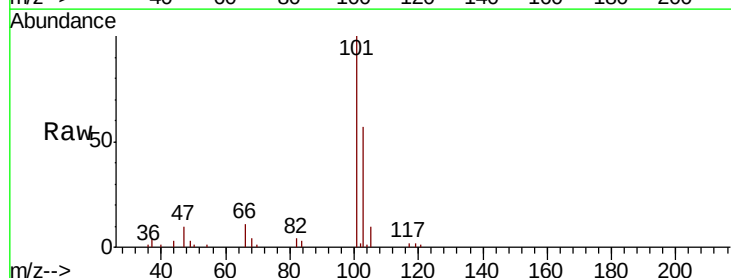
Acq: 18 Nov 2020 11:45

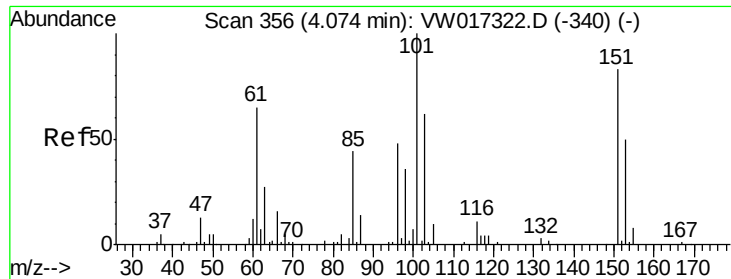
Tgt Ion: 101 Resp: 26639

Ion Ratio Lower Upper

101 100

103 64.4 45.8 85.2





#11

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

Concen: 3.472 ug/L

RT: 4.08 min Scan# 357

Delta R.T. 0.01 min

Lab File: VW017321.D

Acq: 18 Nov 2020 11:45

Instrument :

MSVOA_W

ClientSampleId :

VSTD00506

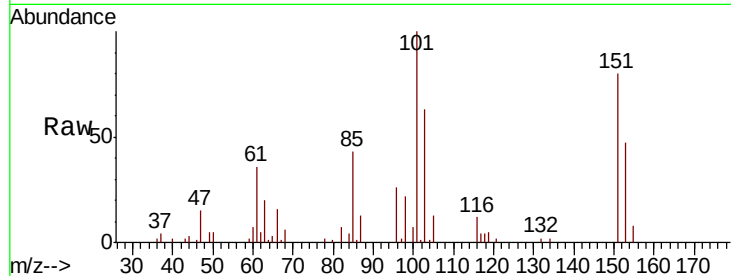
Tot Ion:101 Resp: 18076

Ion Ratio Lower Upper

101 100

85 65.4 34.6 51.8#

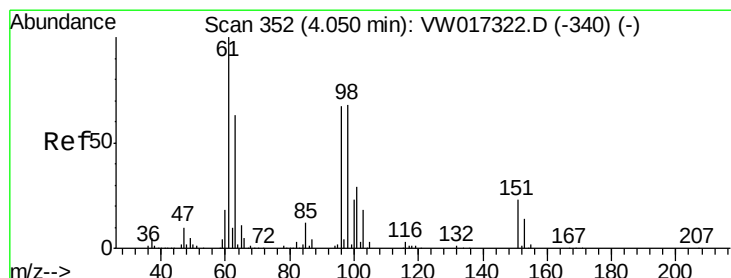
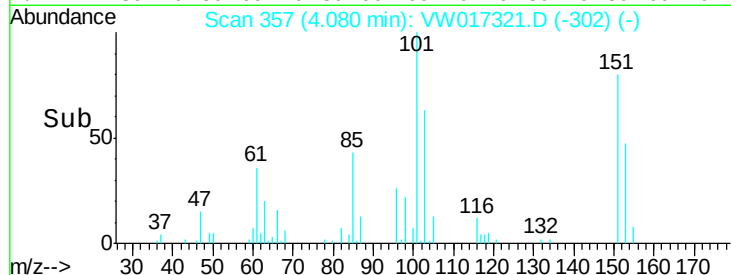
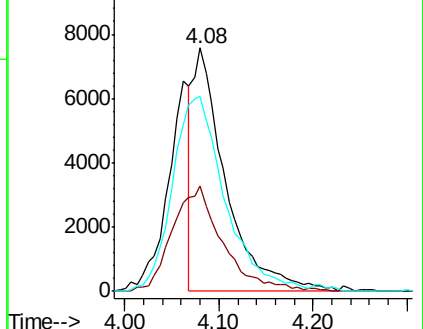
151 129.7 66.3 99.5#



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: 5.171 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.01 min

Lab File: VW017321.D

Acq: 18 Nov 2020 11:45

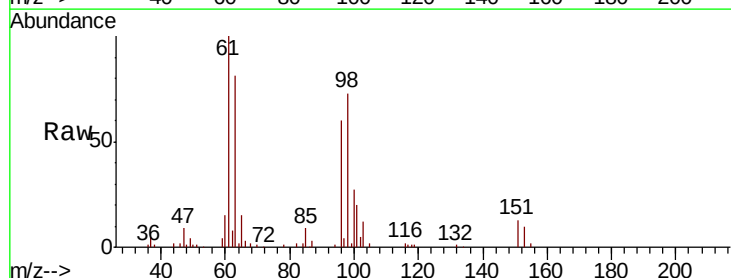
Tgt Ion: 96 Resp: 25946

Ion Ratio Lower Upper

96 100

61 167.5 104.7 194.4

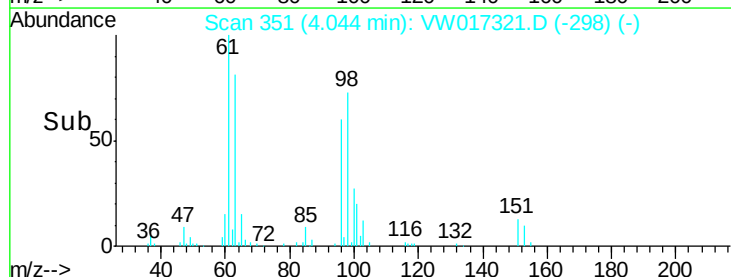
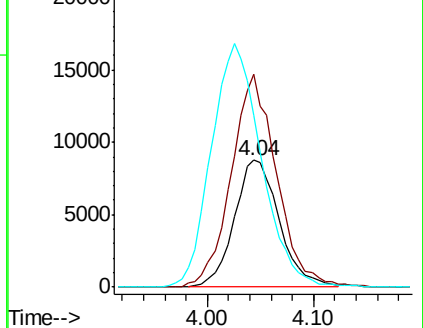
63 135.2 69.6 129.2#

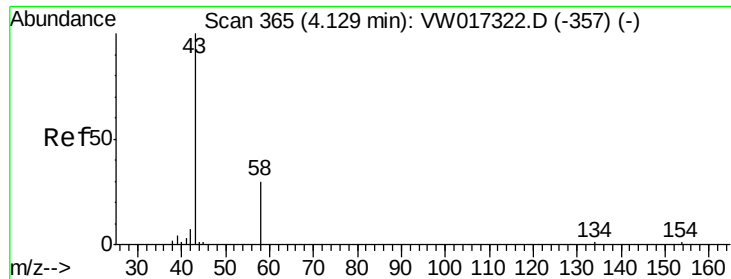


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 9.861 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW017321.D

Acq: 18 Nov 2020 11:45

Instrument :

MSVOA_W

ClientSampled :

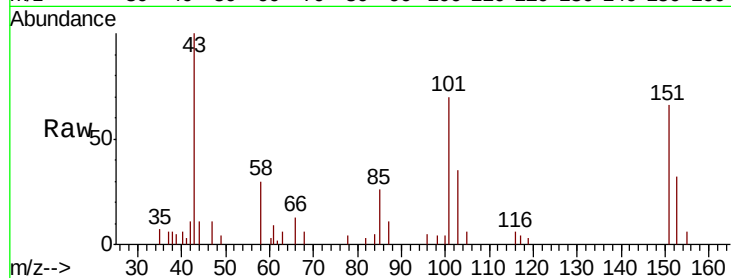
VSTD00506

Tot Ion: 43 Resp: 7130

Ion Ratio Lower Upper

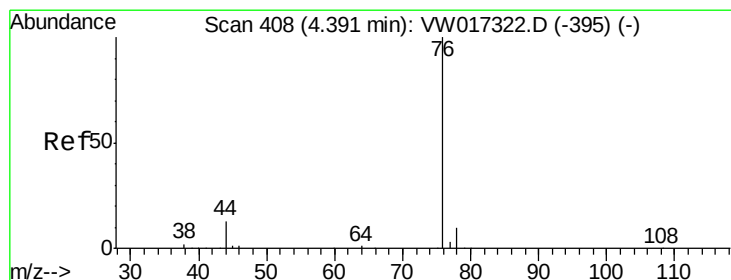
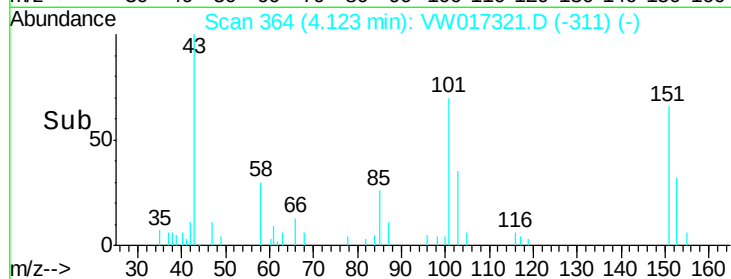
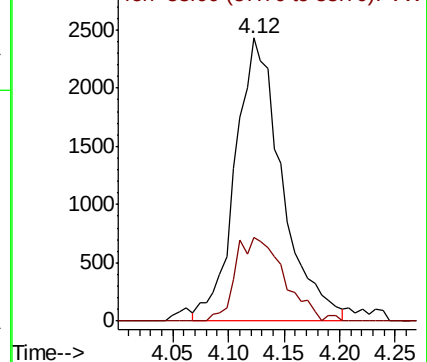
43 100

58 20.7 0.0 67.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 5.518 ug/L

RT: 4.38 min Scan# 407

Delta R.T. -0.01 min

Lab File: VW017321.D

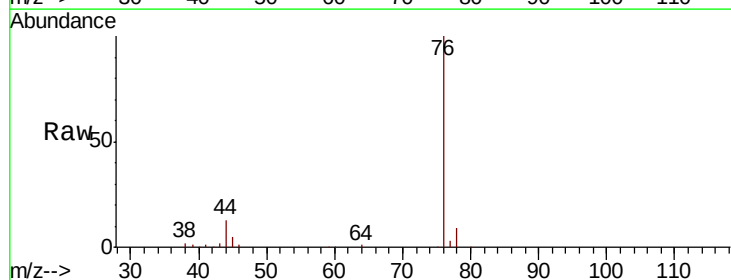
Acq: 18 Nov 2020 11:45

Tgt Ion: 76 Resp: 76978

Ion Ratio Lower Upper

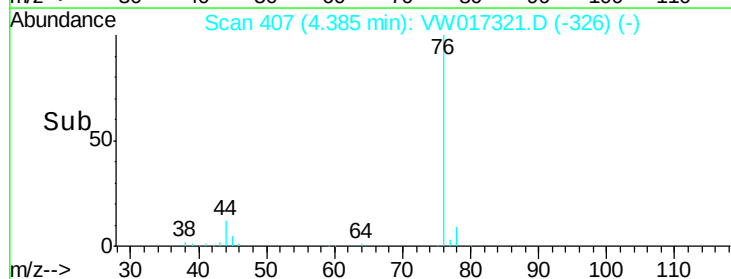
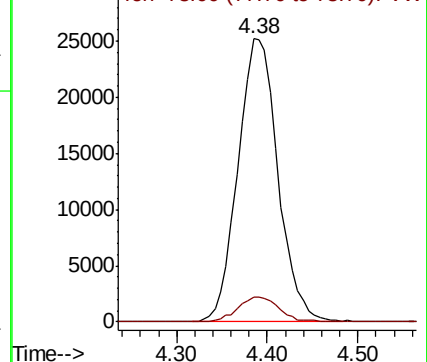
76 100

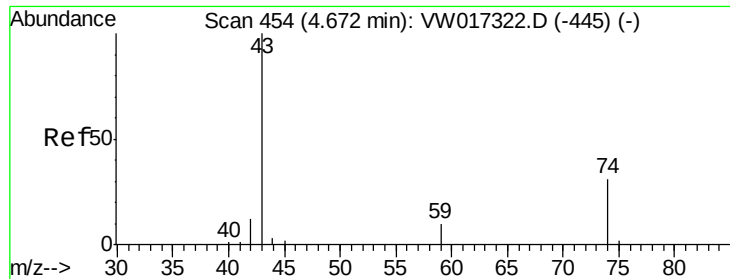
78 8.7 7.8 11.6



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

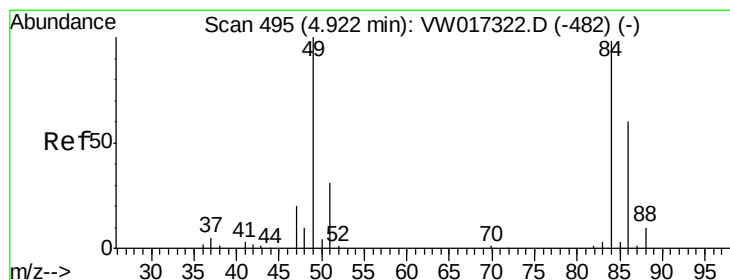
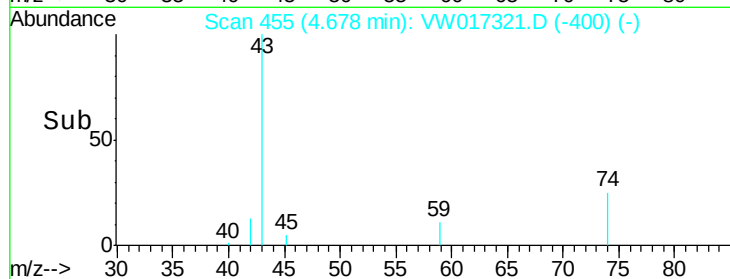
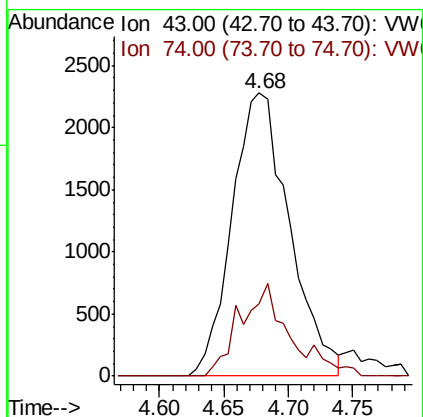
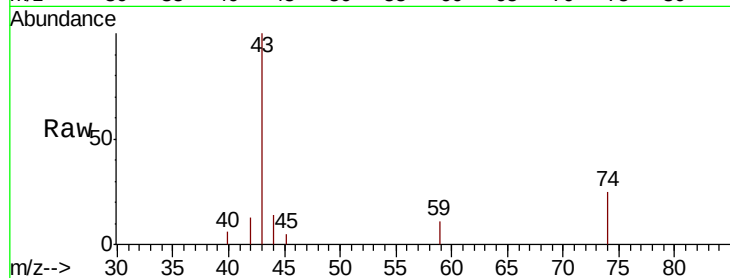




#15
Methyl Acetate
Concen: 3.999 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW017321.D
Acq: 18 Nov 2020 11:45

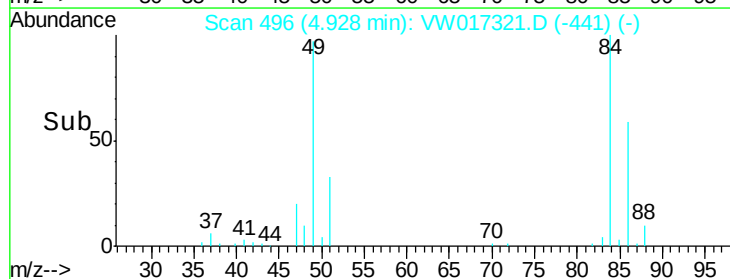
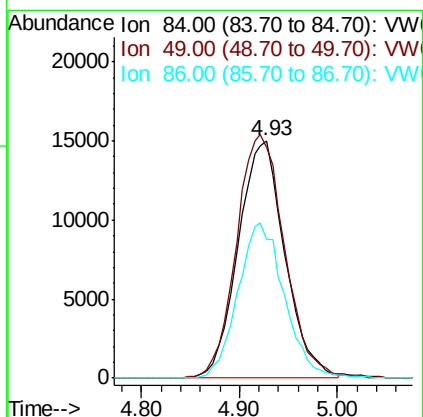
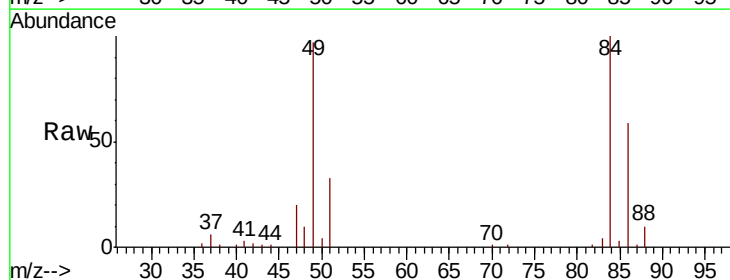
Instrument :
MSVOA_W
ClientSampleId :
VSTD00506

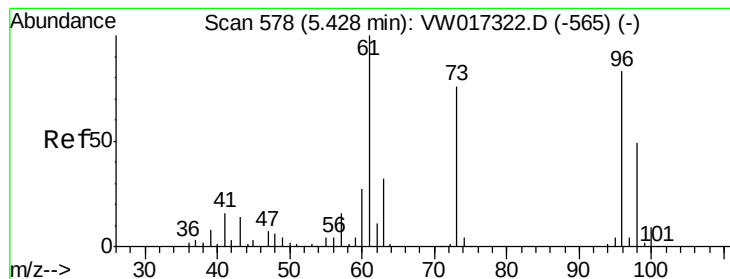
Tot Ion: 43 Resp: 7056
Ion Ratio Lower Upper
43 100
74 17.6 23.7 35.5#



#16
Methylene chloride
Concen: 8.924 ug/L
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW017321.D
Acq: 18 Nov 2020 11:45

Tgt Ion: 84 Resp: 49875
Ion Ratio Lower Upper
84 100
49 97.0 71.5 132.9
86 58.5 42.8 79.4





#17

Methyl tert-butyl Ether

Concen: 5.030 ug/L

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW017321.D

Acq: 18 Nov 2020 11:45

Instrument :

MSVOA_W

ClientSampled :

VSTD00506

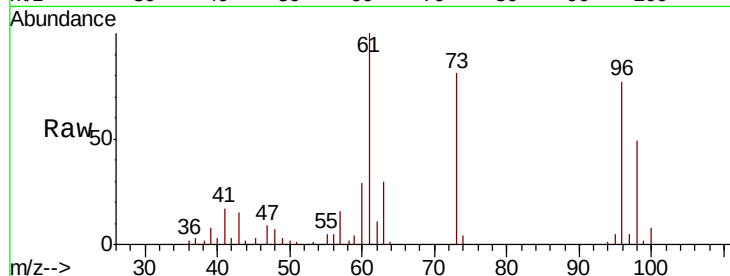
Tot Ion: 73 Resp: 30203

Ion Ratio Lower Upper

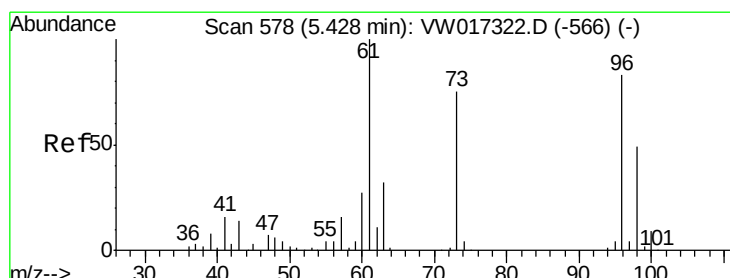
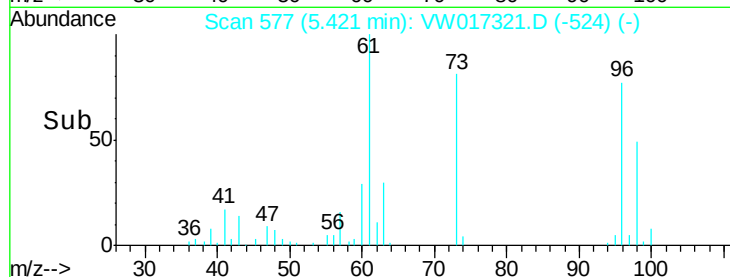
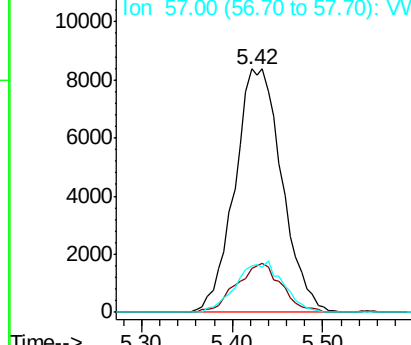
73 100

43 19.2 15.7 23.5

57 12.3 16.3 24.5#



Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW



#18

trans-1,2-Dichloroethene

Concen: 5.321 ug/L

RT: 5.43 min Scan# 578

Delta R.T. -0.00 min

Lab File: VW017321.D

Acq: 18 Nov 2020 11:45

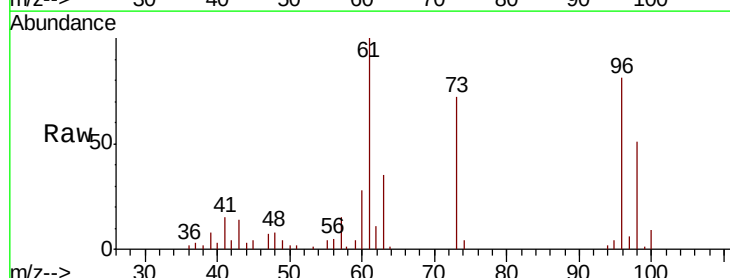
Tgt Ion: 96 Resp: 27865

Ion Ratio Lower Upper

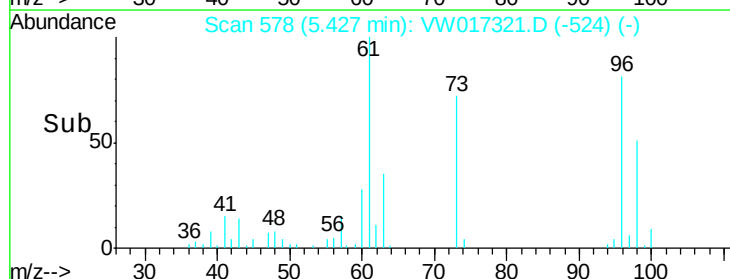
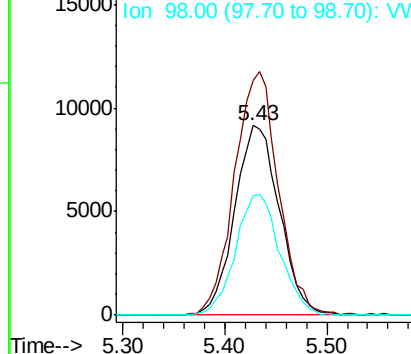
96 100

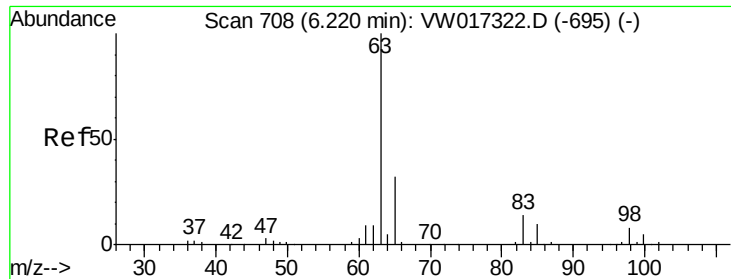
61 123.4 84.3 156.5

98 63.2 41.5 77.1



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





#19

1,1-Dichloroethane

Concen: 5.314 ug/L

RT: 6.22 min Scan# 708

Delta R.T. -0.00 min

Lab File: VW017321.D

Acq: 18 Nov 2020 11:45

Instrument :

MSVOA_W

ClientSampleId :

VSTD00506

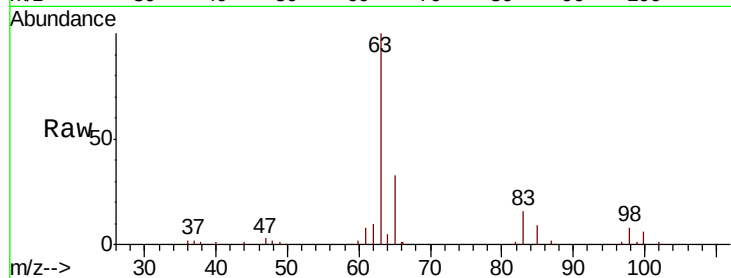
Tot Ion: 63 Resp: 43575

Ion Ratio Lower Upper

63 100

65 33.2 22.3 41.5

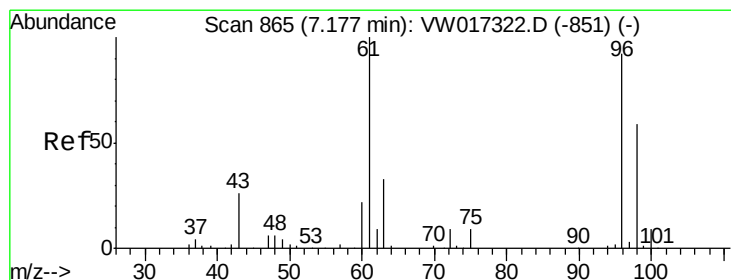
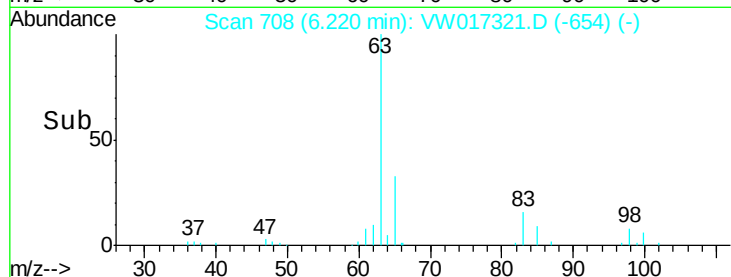
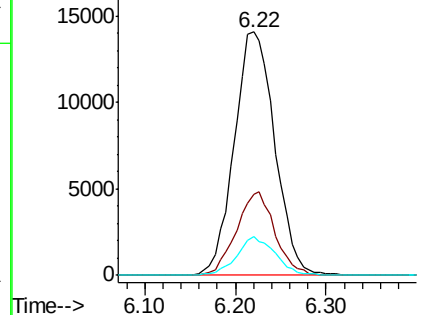
83 16.0 10.1 18.7



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: 9.502 ug/L

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW017321.D

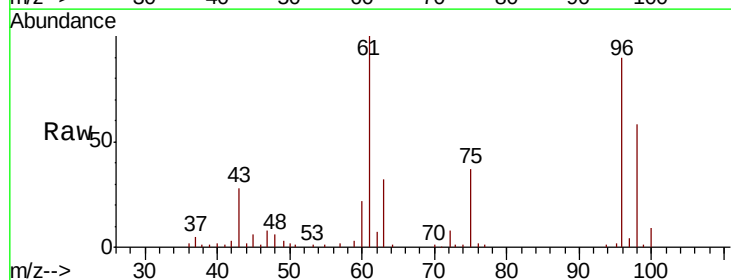
Acq: 18 Nov 2020 11:45

Tgt Ion: 43 Resp: 10936

Ion Ratio Lower Upper

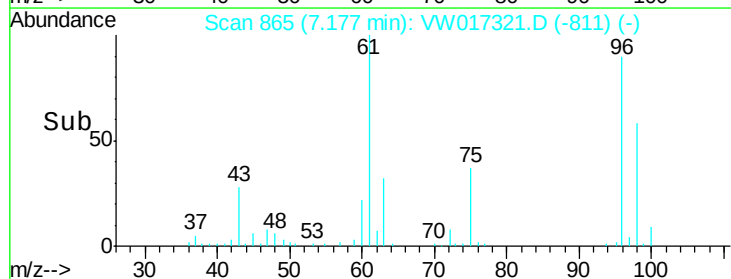
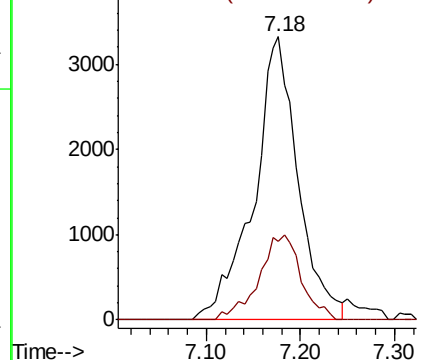
43 100

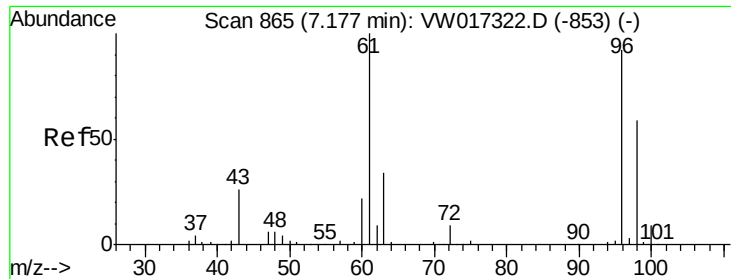
72 28.7 16.4 49.1



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: 5.181 ug/L

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW017321.D

Acq: 18 Nov 2020 11:45

Instrument :

MSVOA_W

ClientSampleId :

VSTD00506

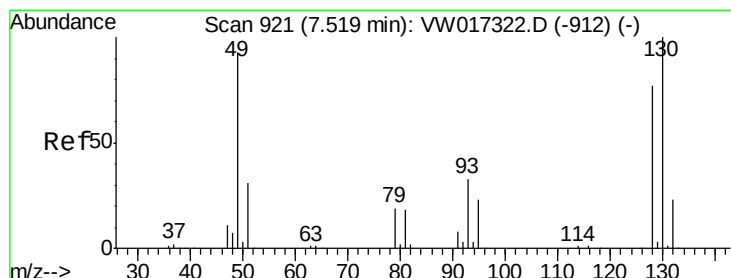
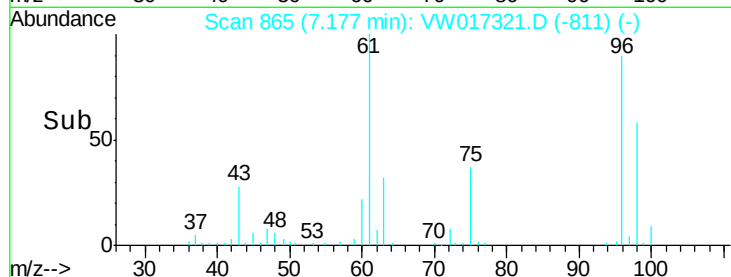
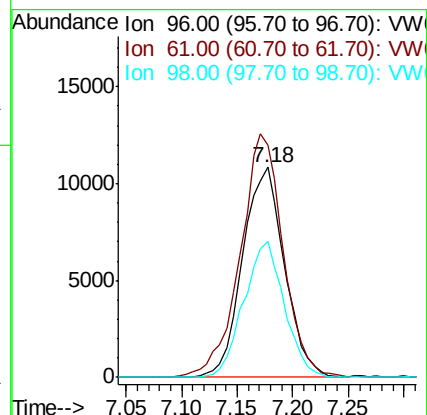
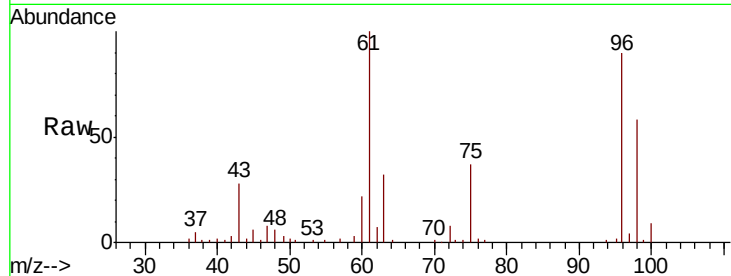
Tot Ion: 96 Resp: 28308

Ion Ratio Lower Upper

96 100

61 110.6 76.1 141.3

98 64.6 44.7 82.9



#23

Bromochloromethane

Concen: 5.081 ug/L

RT: 7.52 min Scan# 921

Delta R.T. -0.00 min

Lab File: VW017321.D

Acq: 18 Nov 2020 11:45

Tgt Ion: 128 Resp: 13175

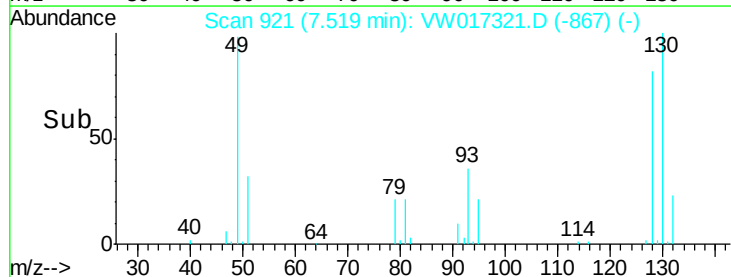
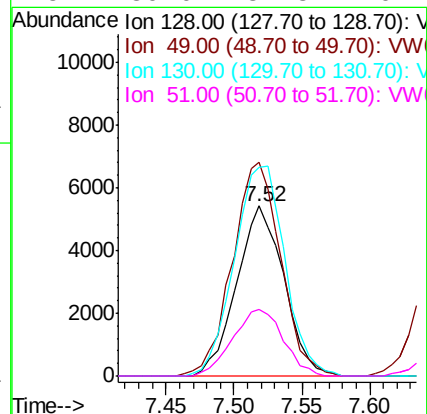
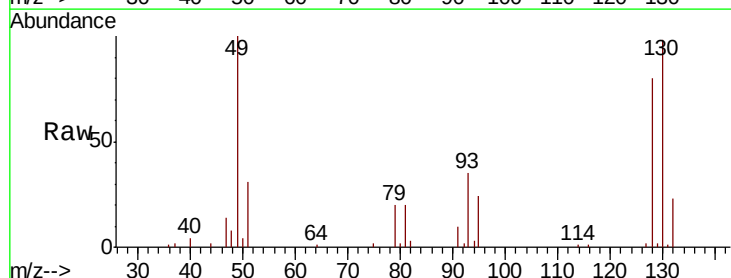
Ion Ratio Lower Upper

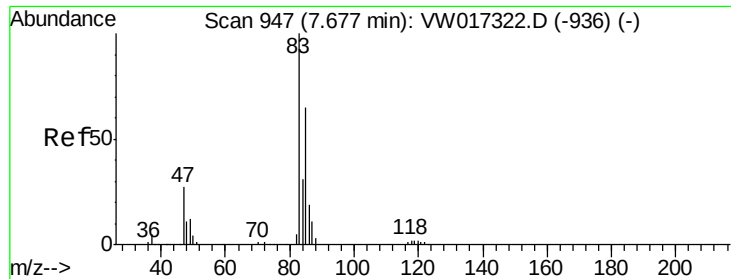
128 100

49 125.5 85.5 158.7

130 122.5 91.5 169.9

51 39.0 32.8 49.2





#25

Chloroform

Concen: 5.436 ug/L

RT: 7.68 min Scan# 947

Delta R.T. -0.00 min

Lab File: VW017321.D

Acq: 18 Nov 2020 11:45

Instrument :

MSVOA_W

ClientSampleId :

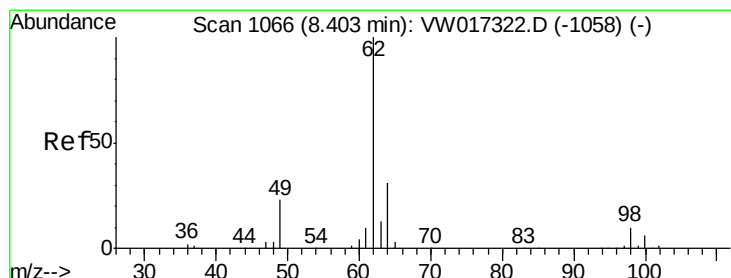
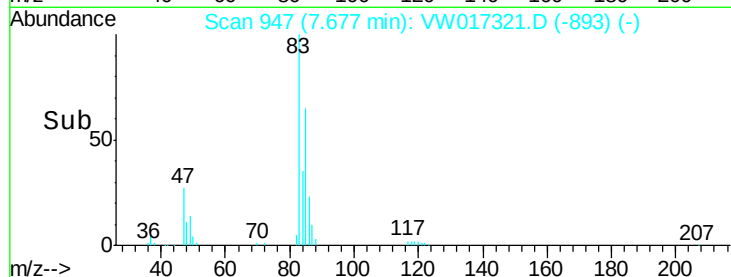
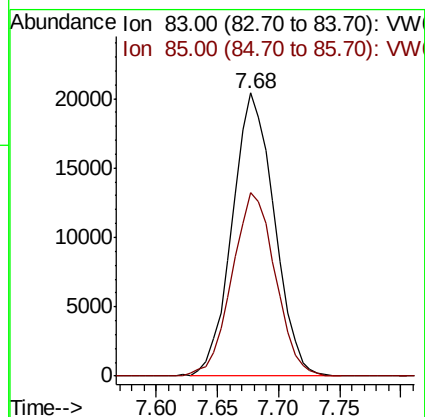
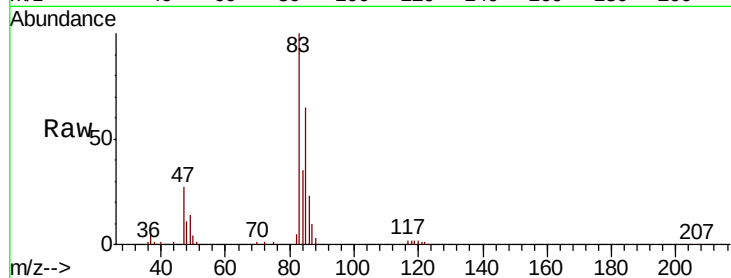
VSTD00506

Tot Ion: 83 Resp: 48709

Ion Ratio Lower Upper

83 100

85 66.6 46.1 85.5



#27

1,2-Dichloroethane

Concen: 5.219 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VW017321.D

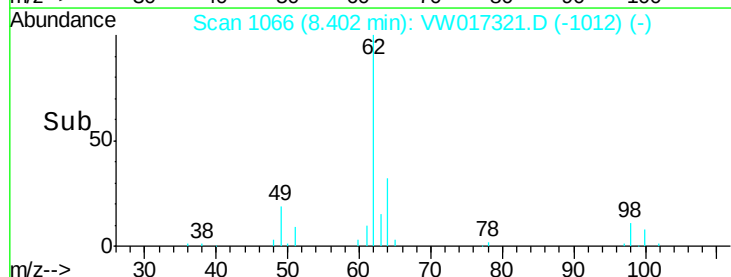
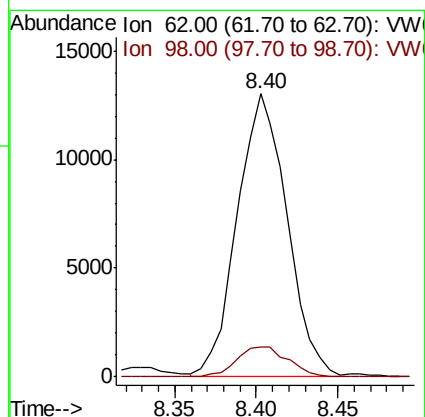
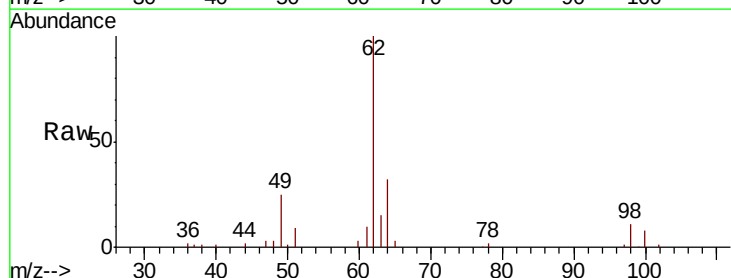
Acq: 18 Nov 2020 11:45

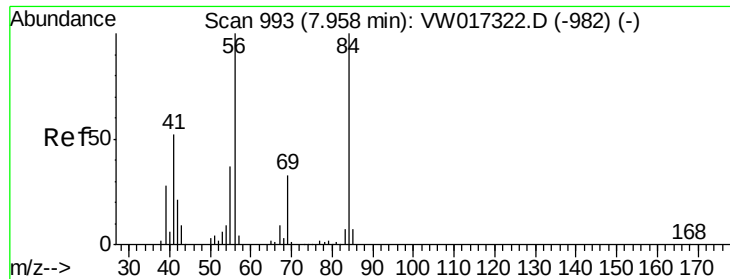
Tgt Ion: 62 Resp: 27719

Ion Ratio Lower Upper

62 100

98 10.6 7.7 11.5

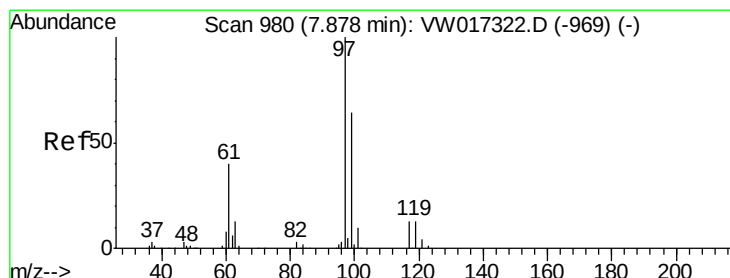
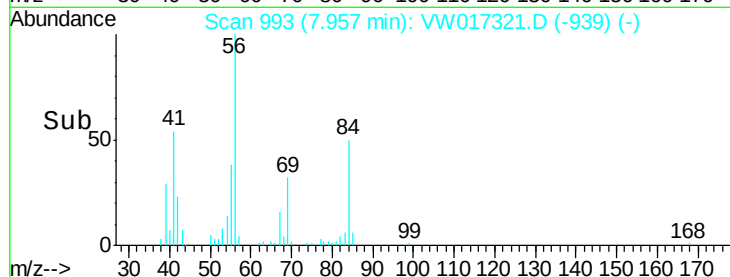
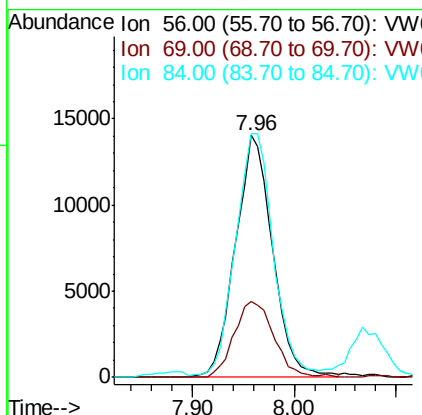
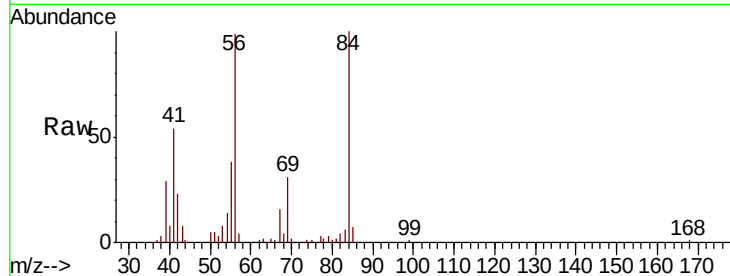




#30
Cyclohexane
Concen: 5.096 ug/L
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW017321.D
Acq: 18 Nov 2020 11:45

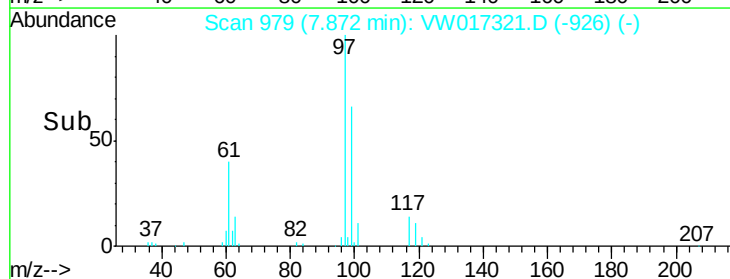
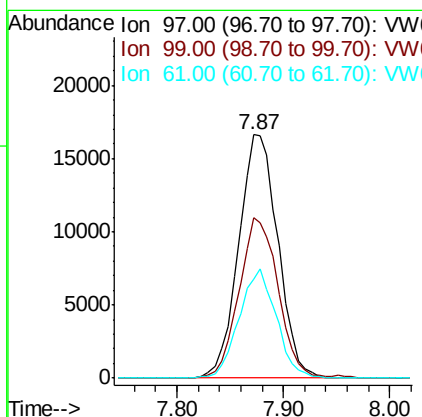
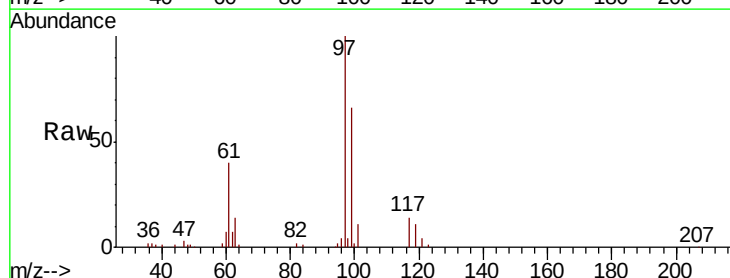
Instrument :
MSVOA_W
ClientSampleId :
VSTD00506

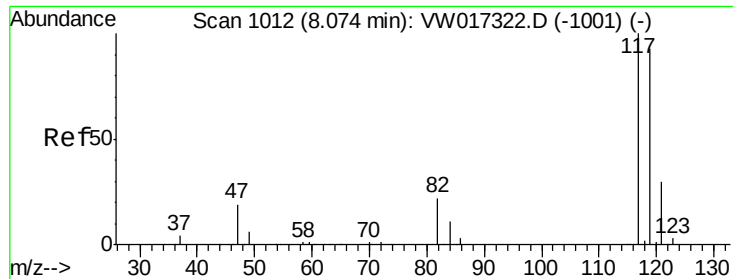
Tot Ion: 56 Resp: 35551
Ion Ratio Lower Upper
56 100
69 33.4 27.0 40.6
84 102.7 82.2 123.4



#31
1,1,1-Trichloroethane
Concen: 5.594 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.01 min
Lab File: VW017321.D
Acq: 18 Nov 2020 11:45

Tgt Ion: 97 Resp: 43044
Ion Ratio Lower Upper
97 100
99 65.1 51.4 77.2
61 42.3 32.7 49.1





#32

Carbon tetrachloride

Concen: 5.550 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VW017321.D

Acq: 18 Nov 2020 11:45

Instrument :

MSVOA_W

ClientSampleId :

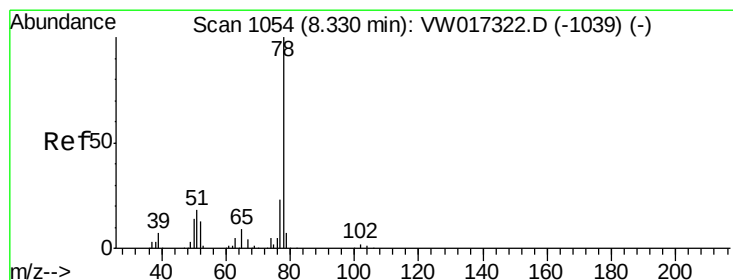
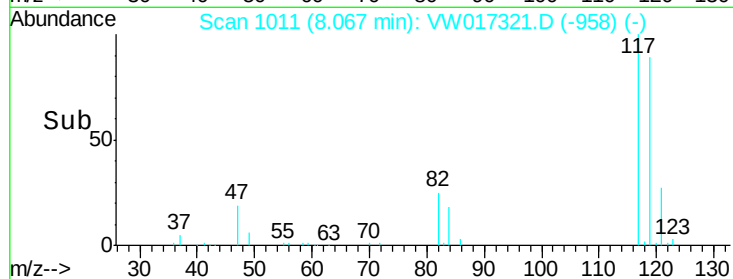
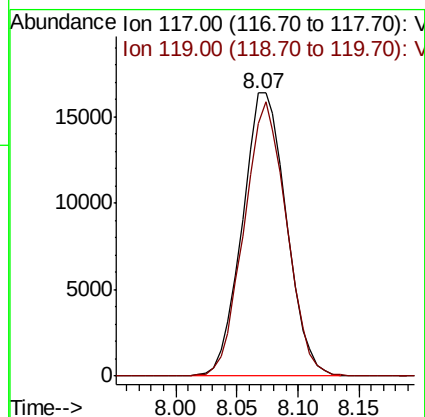
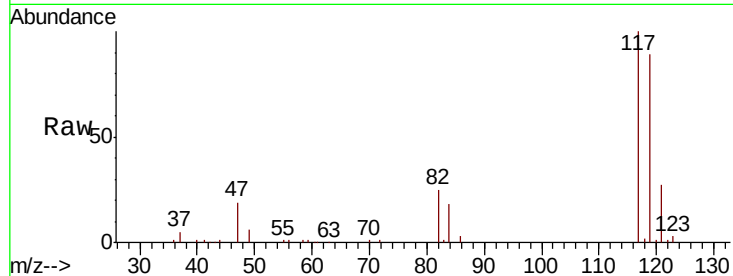
VSTD00506

Tot Ion:117 Resp: 41150

Ion Ratio Lower Upper

117 100

119 93.4 77.8 116.6



#34

Benzene

Concen: 5.369 ug/L

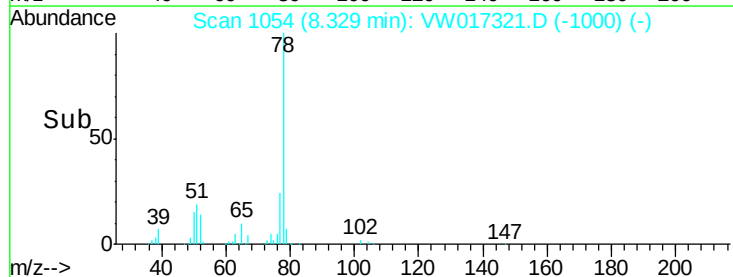
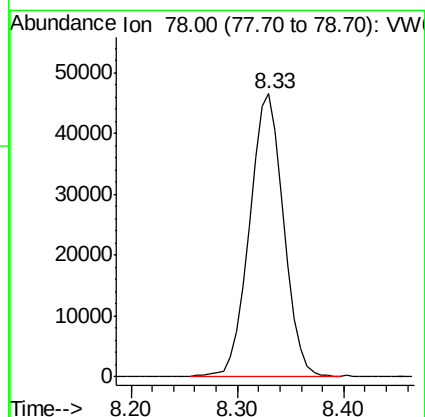
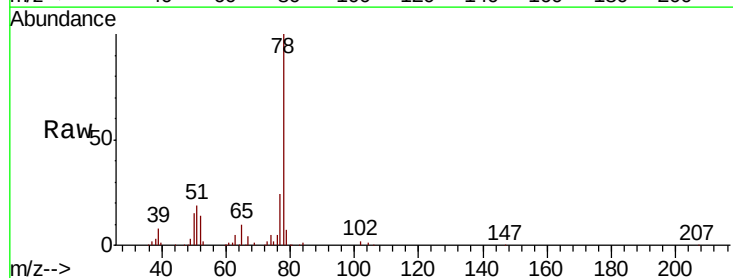
RT: 8.33 min Scan# 1054

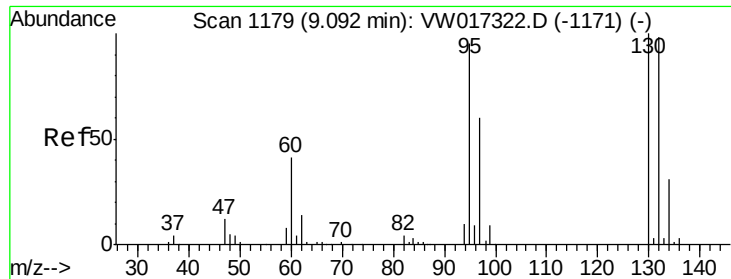
Delta R.T. -0.00 min

Lab File: VW017321.D

Acq: 18 Nov 2020 11:45

Tgt Ion: 78 Resp: 104703





#35

Trichloroethene

Concen: 5.519 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VW017321.D

Acq: 18 Nov 2020 11:45

Instrument :

MSVOA_W

ClientSampleId :

VSTD00506

Tot Ion: 95 Resp: 30351

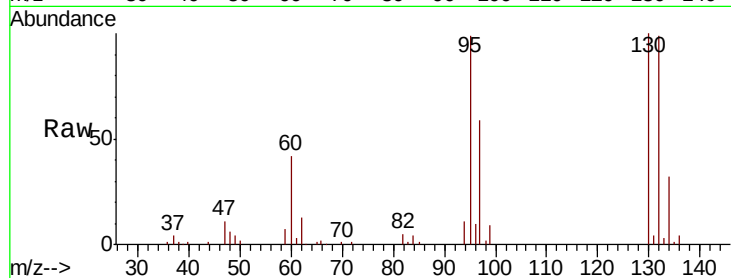
Ion Ratio Lower Upper

95 100

97 62.7 44.7 82.9

132 99.5 72.7 134.9

130 106.9 76.1 141.3



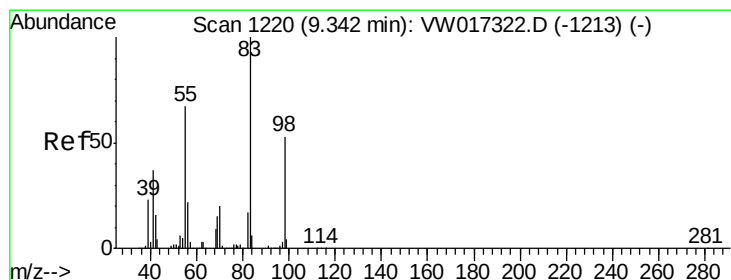
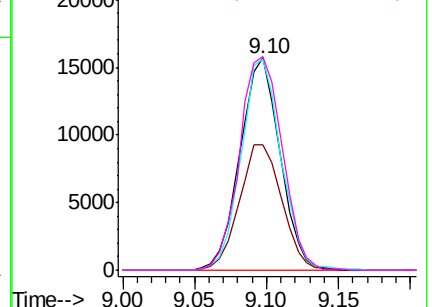
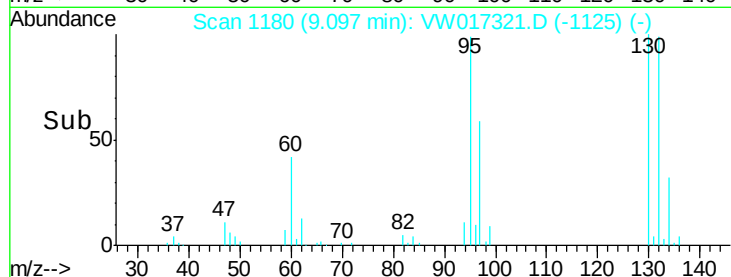
Abundance

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: 5.344 ug/L

RT: 9.34 min Scan# 1220

Delta R.T. -0.00 min

Lab File: VW017321.D

Acq: 18 Nov 2020 11:45

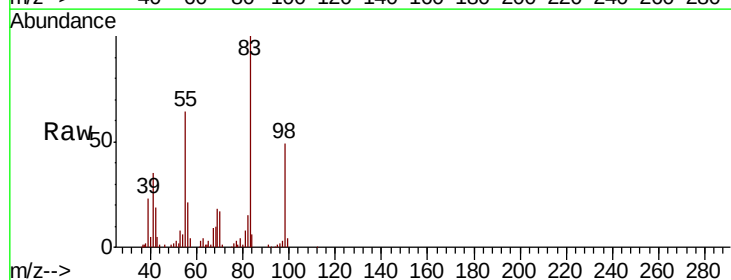
Tgt Ion: 83 Resp: 47284

Ion Ratio Lower Upper

83 100

55 69.0 54.6 81.8

98 51.6 41.5 62.3

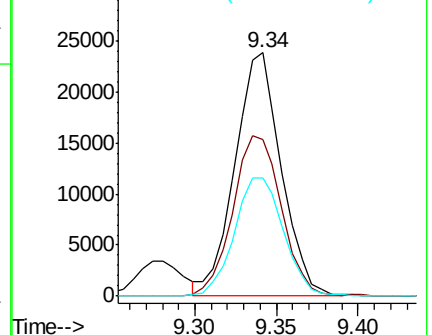
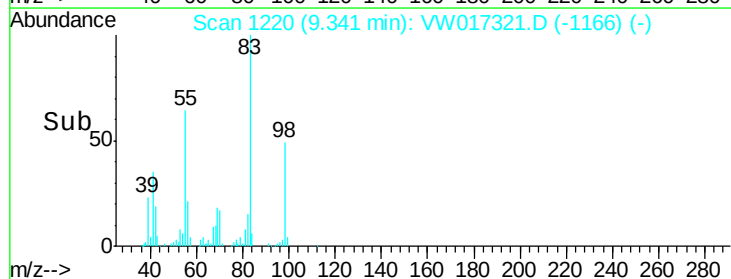


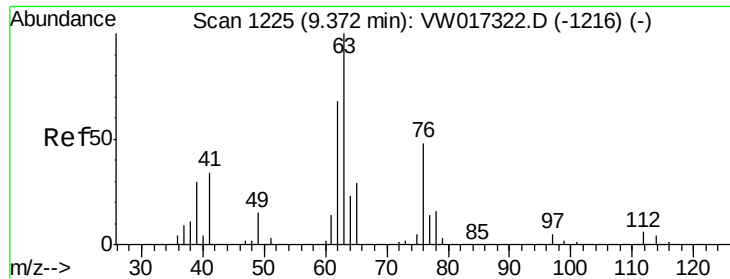
Abundance

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: 5.172 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VW017321.D

Acq: 18 Nov 2020 11:45

Instrument :

MSVOA_W

ClientSampleId :

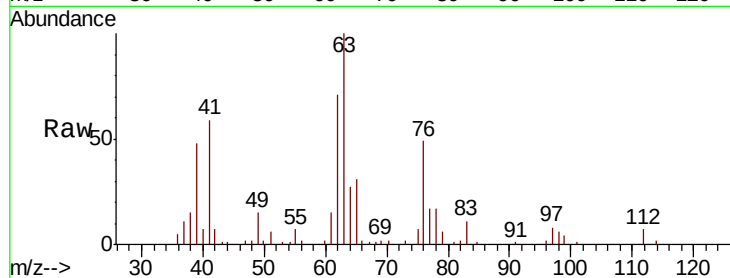
VSTD00506

Tot Ion: 63 Resp: 23307

Ion Ratio Lower Upper

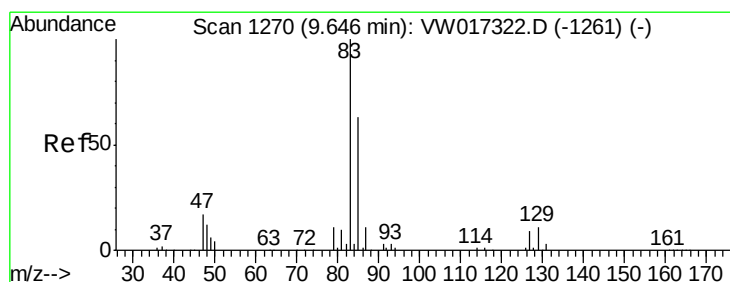
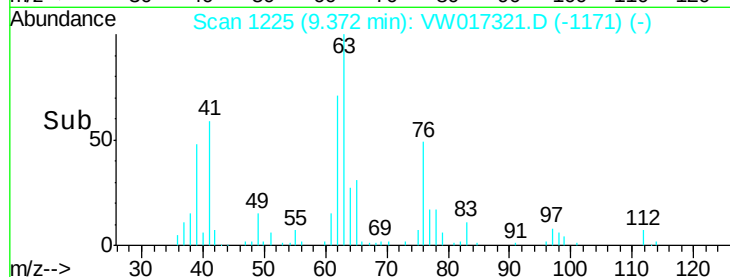
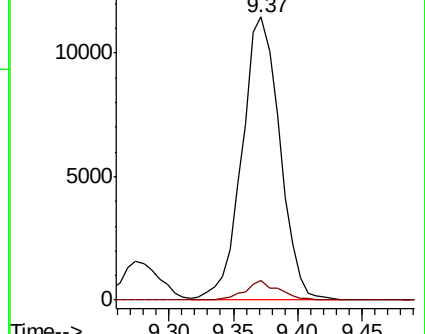
63 100

112 5.9 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: 5.131 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW017321.D

Acq: 18 Nov 2020 11:45

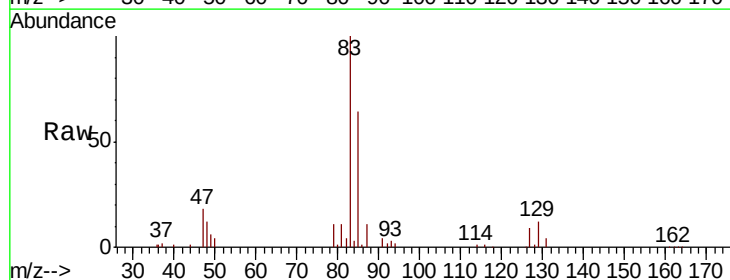
Tgt Ion: 83 Resp: 32028

Ion Ratio Lower Upper

83 100

85 64.4 44.1 81.9

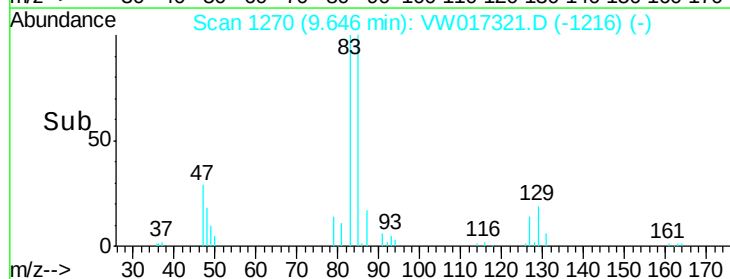
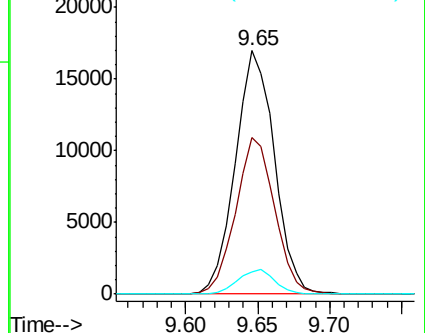
127 9.1 7.3 10.9

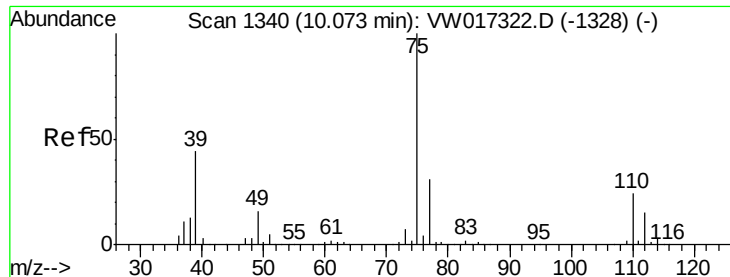


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 4.701 ug/L

RT: 10.08 min Scan# 1341

Delta R.T. 0.01 min

Lab File: VW017321.D

Acq: 18 Nov 2020 11:45

Instrument :

MSVOA_W

ClientSampleId :

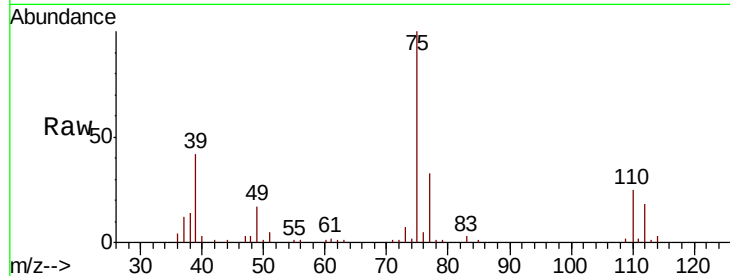
VSTD00506

Tot Ion: 75 Resp: 33466

Ion Ratio Lower Upper

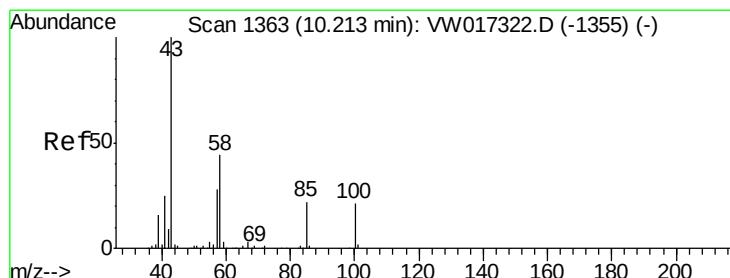
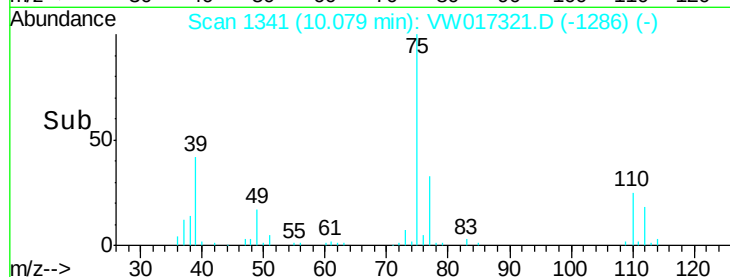
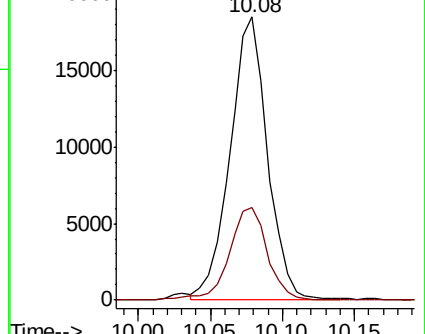
75 100

77 32.6 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#43

4-Methyl-2-pentanone

Concen: 7.288 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW017321.D

Acq: 18 Nov 2020 11:45

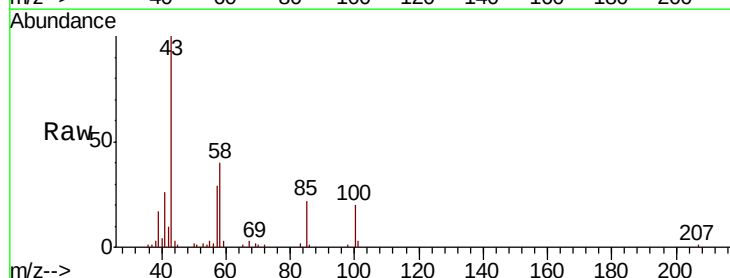
Tgt Ion: 43 Resp: 19213

Ion Ratio Lower Upper

43 100

58 41.8 33.4 50.2

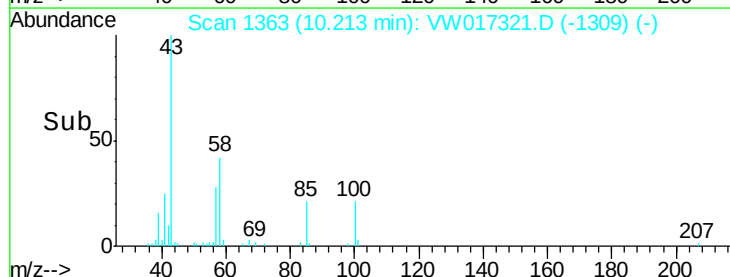
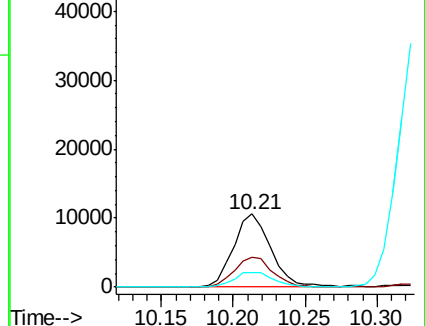
100 20.8 16.3 24.5

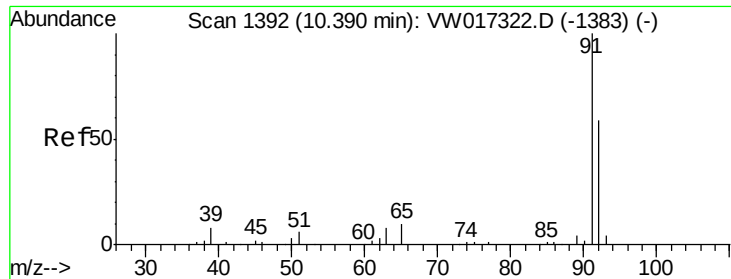


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW





#44

Toluene

Concen: 5.347 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW017321.D

Acq: 18 Nov 2020 11:45

Instrument :

MSVOA_W

ClientSampleId :

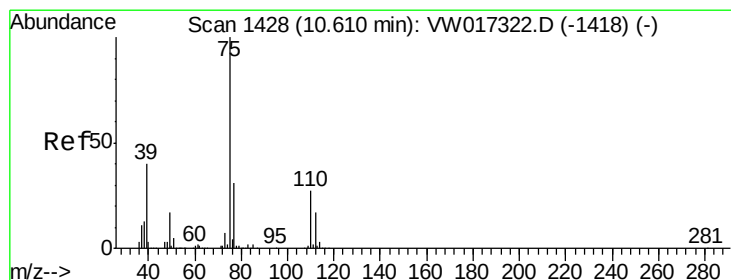
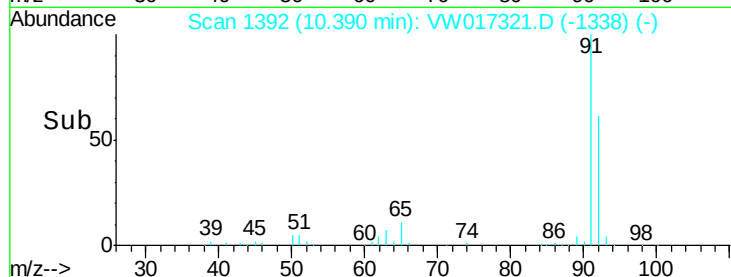
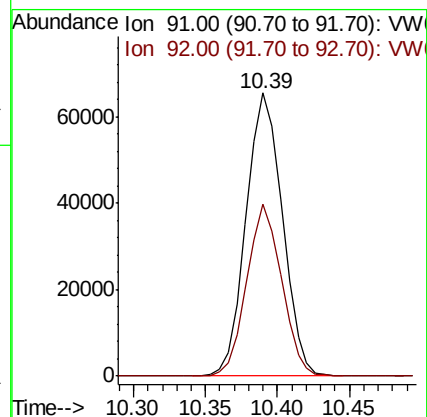
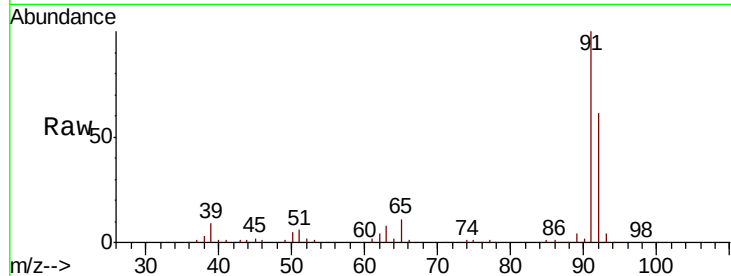
VSTD00506

Tot Ion: 91 Resp: 114806

Ion Ratio Lower Upper

91 100

92 60.9 41.4 76.8



#45

trans-1,3-Dichloropropene

Concen: 4.564 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW017321.D

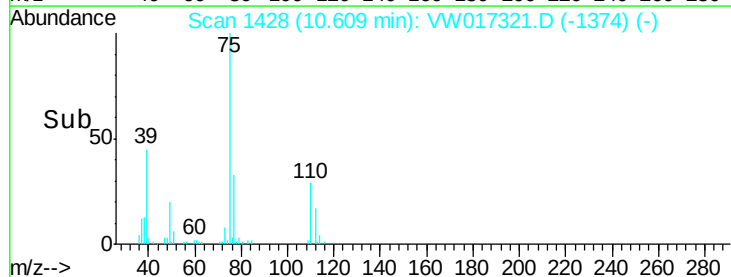
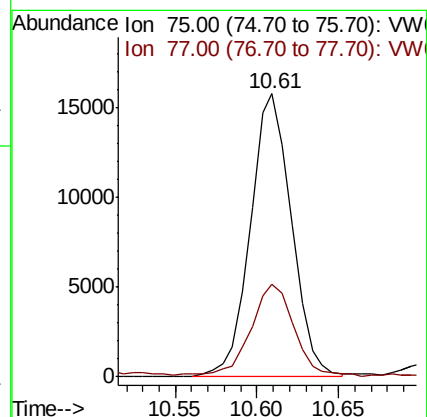
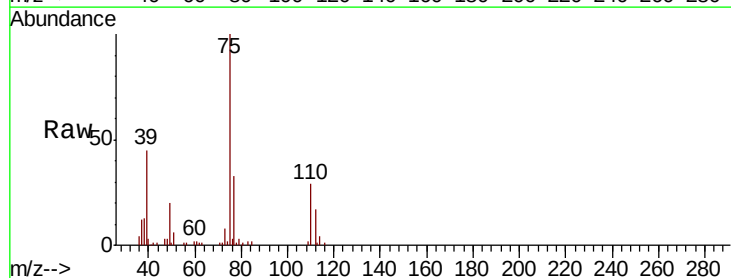
Acq: 18 Nov 2020 11:45

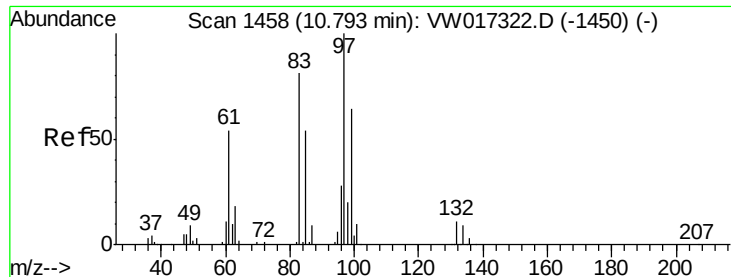
Tgt Ion: 75 Resp: 27665

Ion Ratio Lower Upper

75 100

77 32.7 22.0 40.8

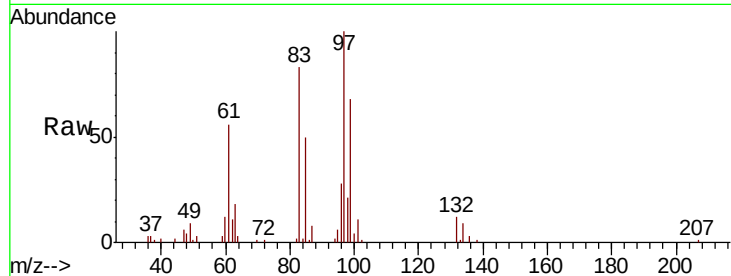




#46
1,1,2-Trichloroethane
Concen: 4.757 ug/L
RT: 10.79 min Scan# 1458
Delta R.T. -0.00 min
Lab File: VW017321.D
Acq: 18 Nov 2020 11:45

Instrument :
MSVOA_W
ClientSampleId :
VSTD00506

Tot Ion	97	Resp	18059
Ion	Ratio	Lower	Upper
97	100		
83	82.7	56.6	105.2
85	50.1	37.7	69.9
99	67.7	44.8	83.2



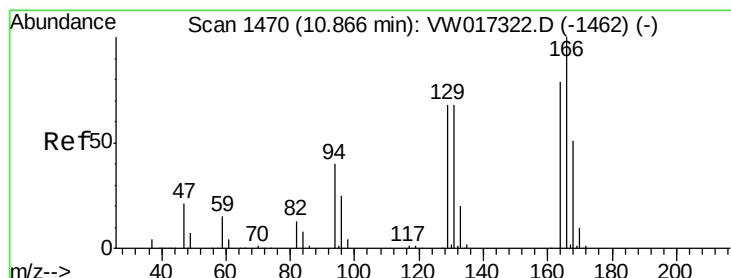
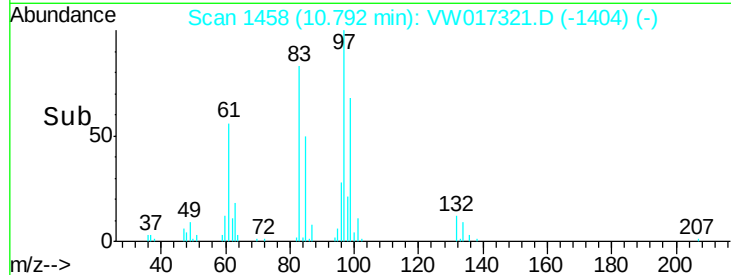
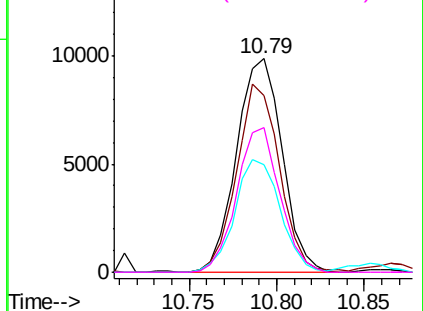
Abundance

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: 5.349 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW017321.D
Acq: 18 Nov 2020 11:45

Tgt Ion	164	Resp	26593
Ion	Ratio	Lower	Upper
164	100		
129	83.9	60.6	112.6
131	83.0	60.4	112.2
166	126.0	88.6	164.6

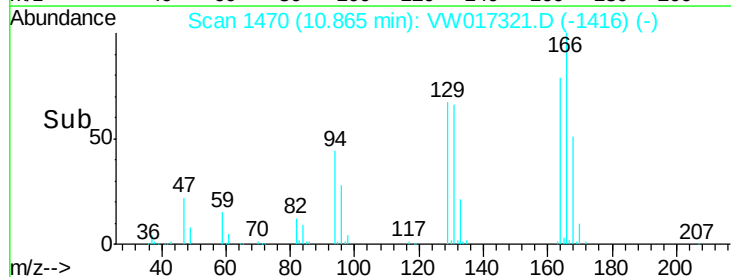
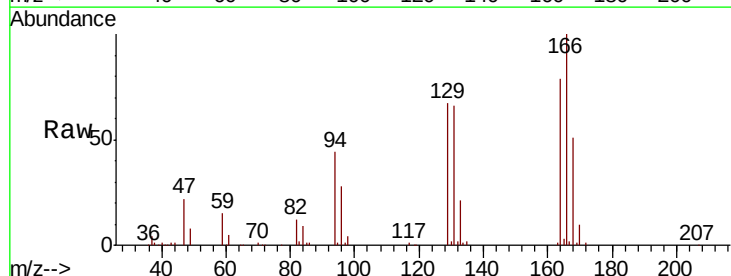
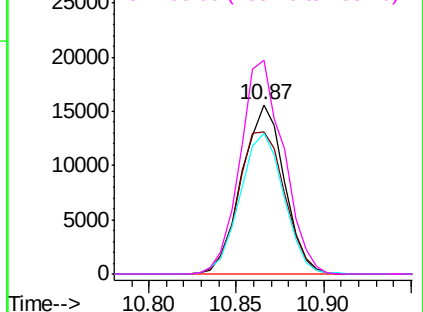
Abundance

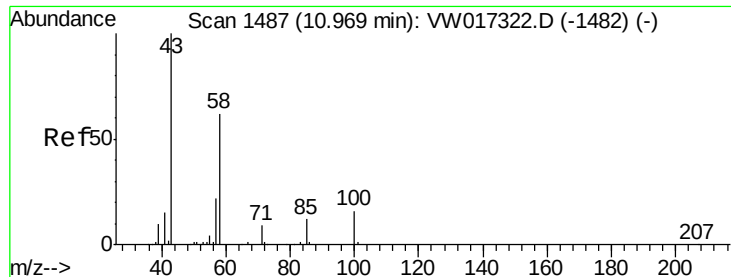
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

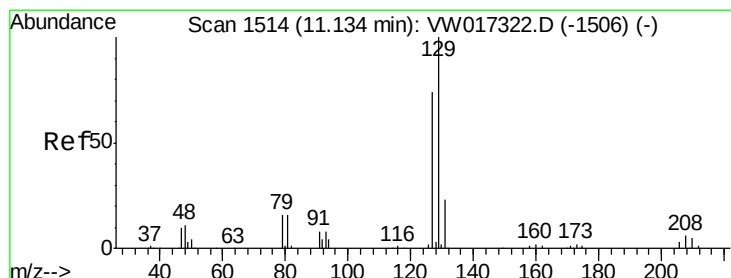
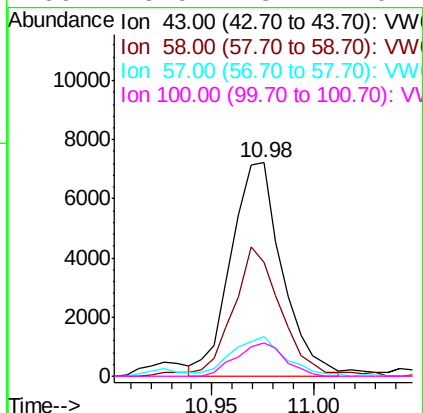
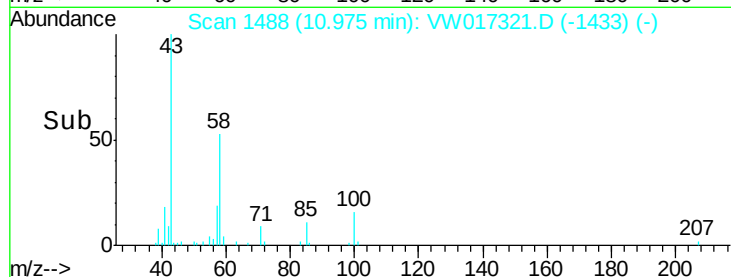
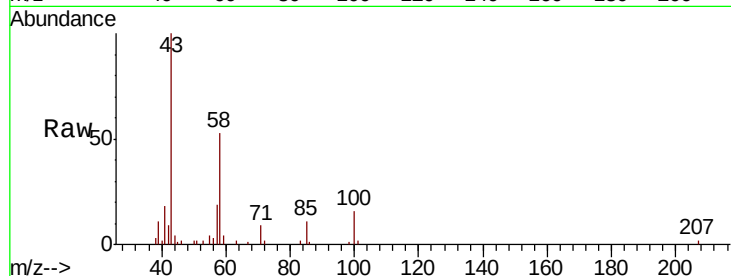




#49
2-Hexanone
Concen: 7.959 ug/L
RT: 10.98 min Scan# 1488
Delta R.T. 0.01 min
Lab File: VW017321.D
Acq: 18 Nov 2020 11:45

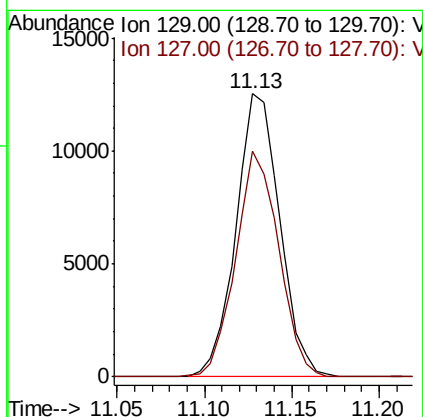
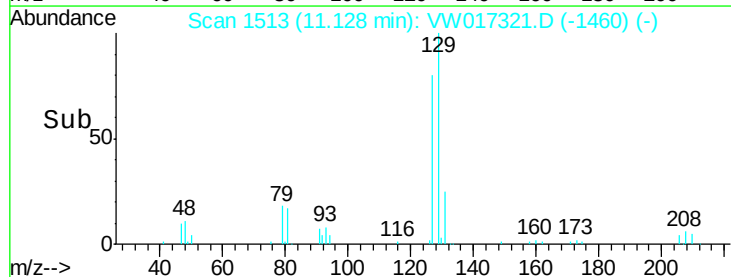
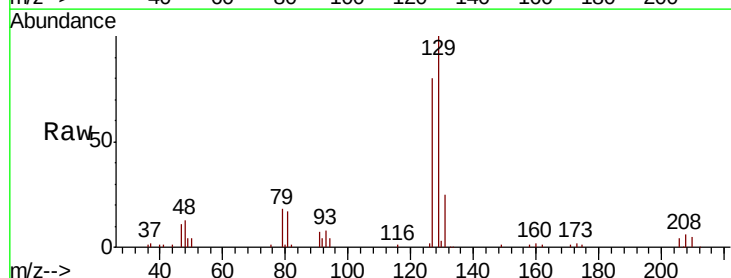
Instrument :
MSVOA_W
ClientSampled :
VSTD00506

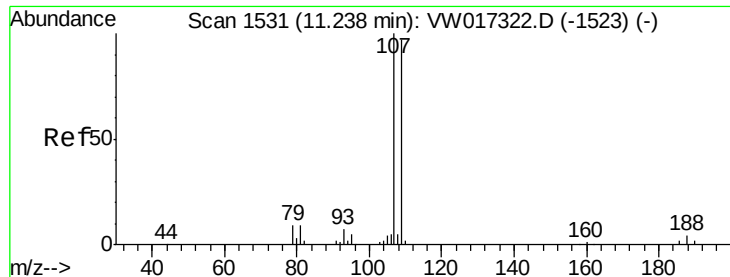
Tot Ion: 43 Resp: 12634
Ion Ratio Lower Upper
43 100
58 55.8 49.4 74.0
57 19.5 17.0 25.4
100 15.0 13.1 19.7



#50
Dibromochloromethane
Concen: 4.657 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VW017321.D
Acq: 18 Nov 2020 11:45

Tgt Ion: 129 Resp: 21798
Ion Ratio Lower Upper
129 100
127 79.5 51.8 96.2

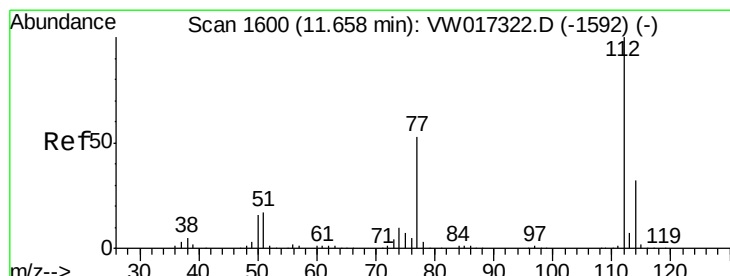
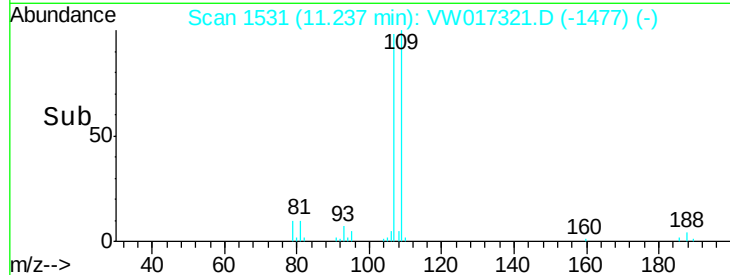
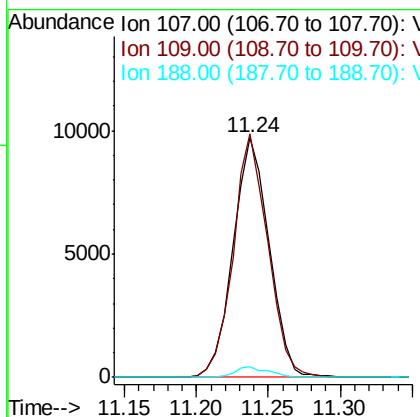
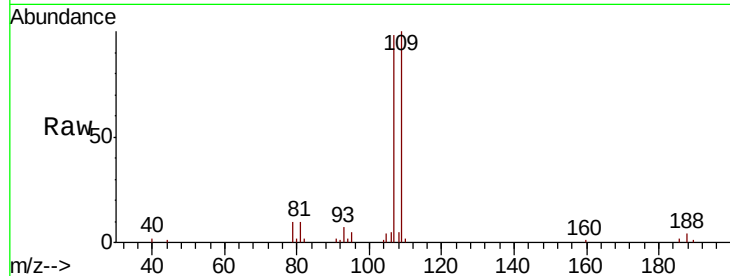




#51
 1,2-Dibromoethane
 Concen: 4.607 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW017321.D
 Acq: 18 Nov 2020 11:45

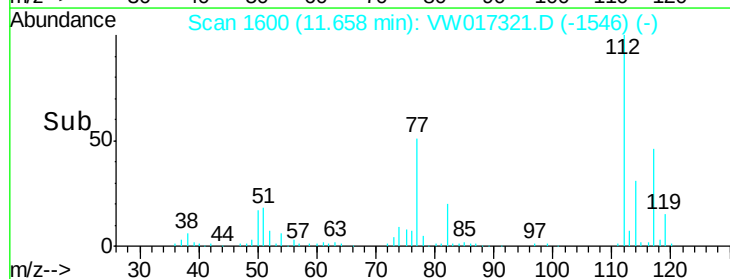
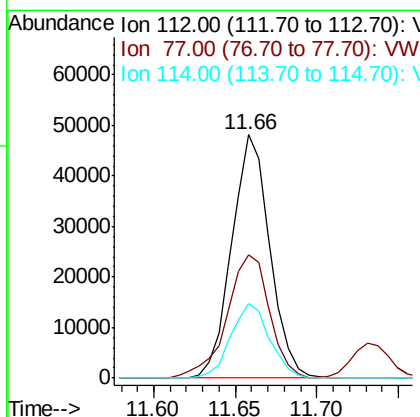
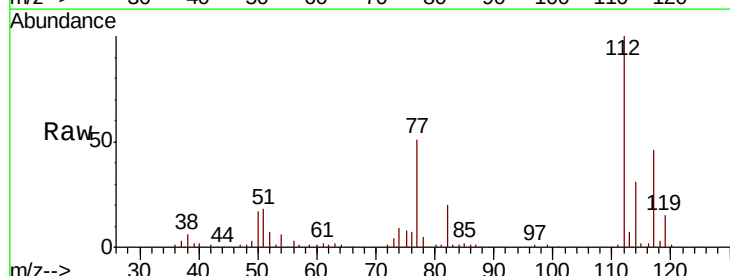
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00506

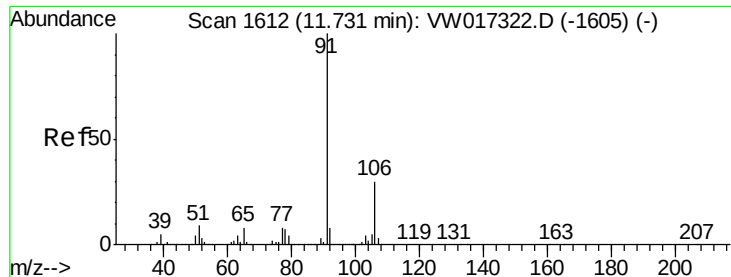
Tot Ion:107 Resp: 16939
 Ion Ratio Lower Upper
 107 100
 109 101.6 68.2 126.6
 188 4.3 3.3 4.9



#52
 Chlorobenzene
 Concen: 5.393 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW017321.D
 Acq: 18 Nov 2020 11:45

Tgt Ion:112 Resp: 78011
 Ion Ratio Lower Upper
 112 100
 77 50.9 42.2 63.4
 114 30.8 22.1 41.1





#53

Ethylbenzene

Concen: 5.299 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW017321.D

Acq: 18 Nov 2020 11:45

Instrument :

MSVOA_W

ClientSampleId :

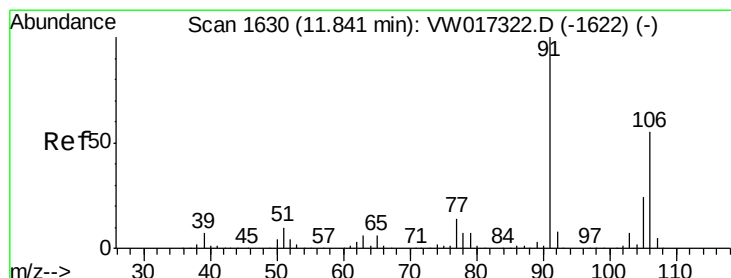
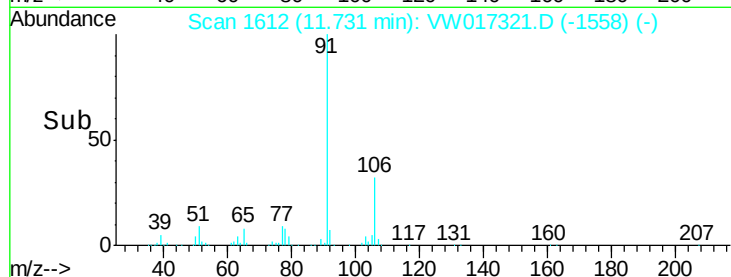
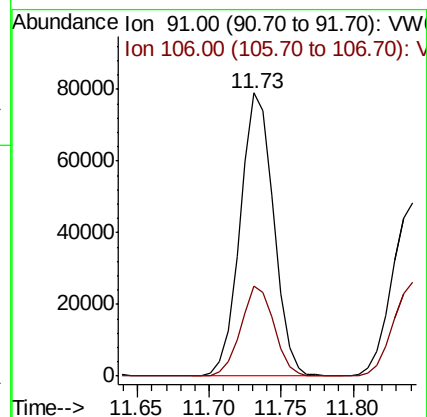
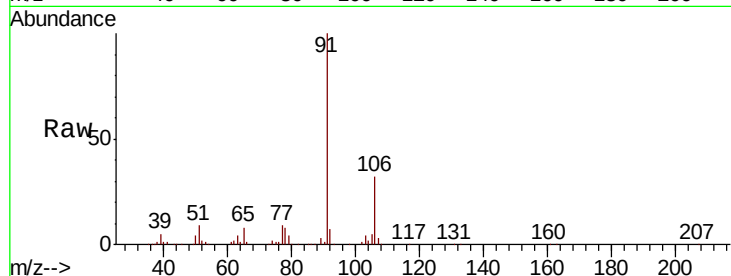
VSTD00506

Tot Ion: 91 Resp: 127637

Ion Ratio Lower Upper

91 100

106 31.9 20.8 38.6



#54

m,p-Xylene

Concen: 5.260 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW017321.D

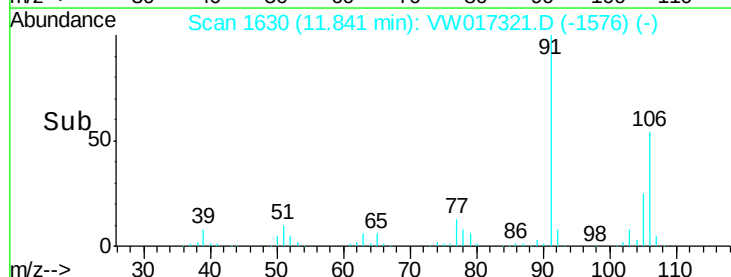
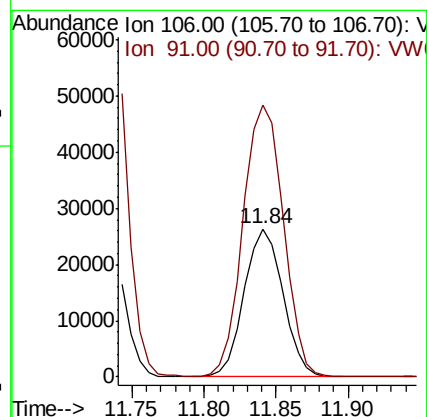
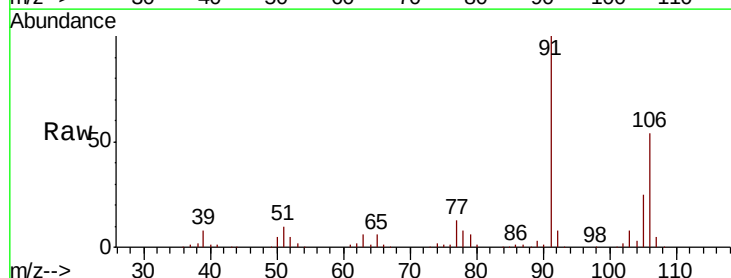
Acq: 18 Nov 2020 11:45

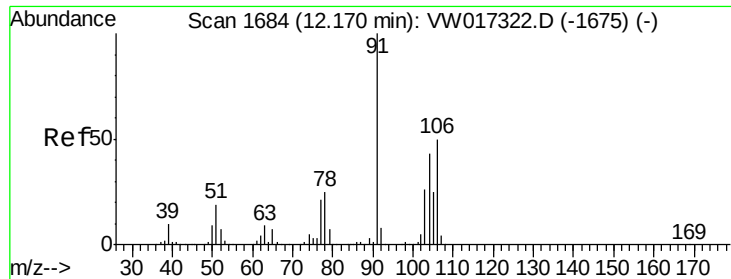
Tgt Ion: 106 Resp: 49210

Ion Ratio Lower Upper

106 100

91 183.7 126.9 235.7

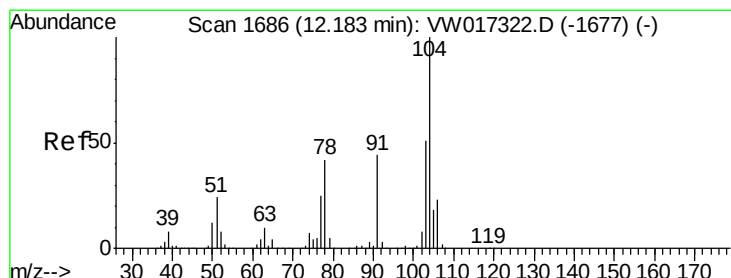
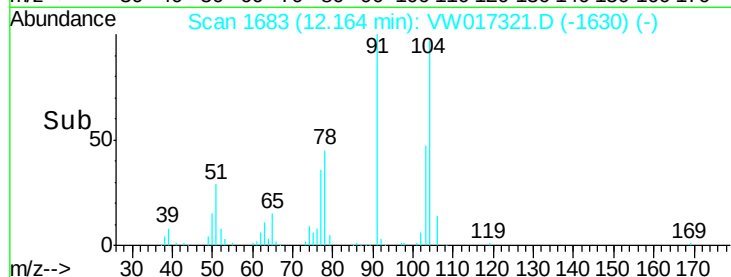
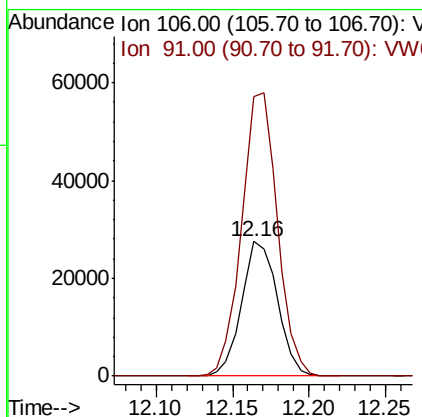
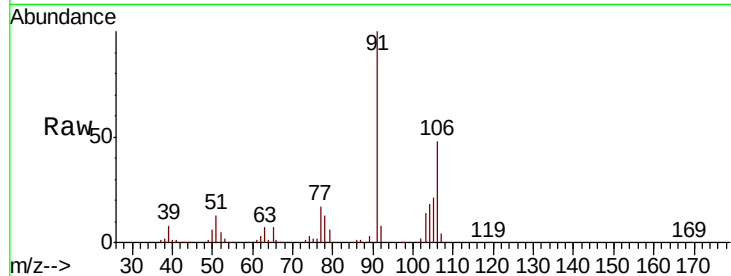




#55
o-xylene
Concen: 5.080 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW017321.D
Acq: 18 Nov 2020 11:45

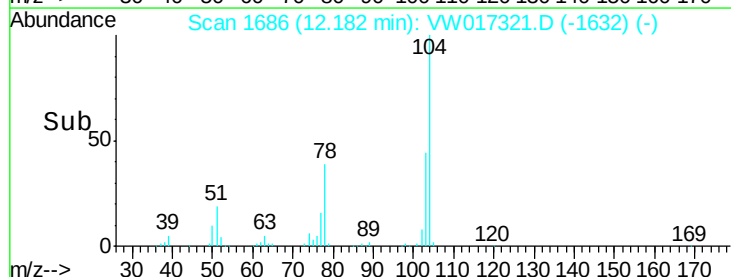
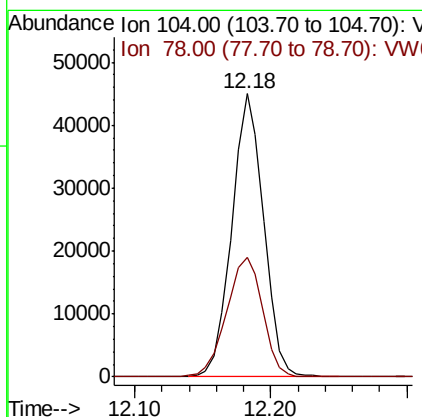
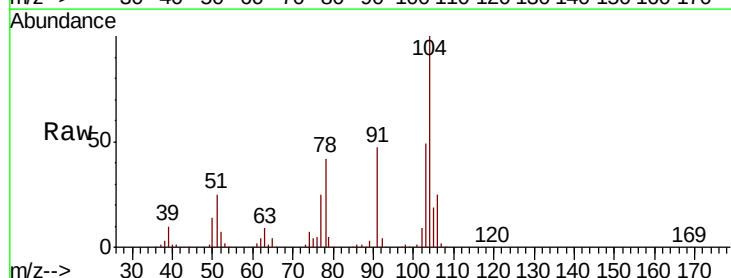
Instrument :
MSVOA_W
ClientSampled :
VSTD00506

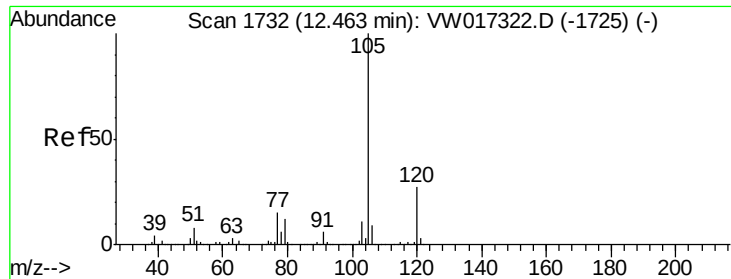
Tot Ion:106 Resp: 44958
Ion Ratio Lower Upper
106 100
91 207.3 139.5 259.1



#56
Styrene
Concen: 4.942 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW017321.D
Acq: 18 Nov 2020 11:45

Tgt Ion:104 Resp: 73167
Ion Ratio Lower Upper
104 100
78 42.2 29.3 54.5





#57

Isopropylbenzene

Concen: 5.249 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW017321.D

Acq: 18 Nov 2020 11:45

Instrument :

MSVOA_W

ClientSampleId :

VSTD00506

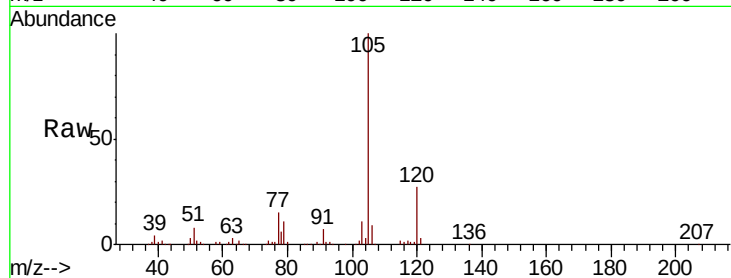
Tot Ion:105 Resp: 126516

Ion Ratio Lower Upper

105 100

120 26.8 21.6 32.4

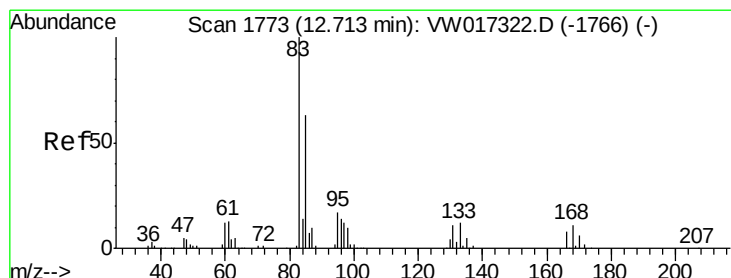
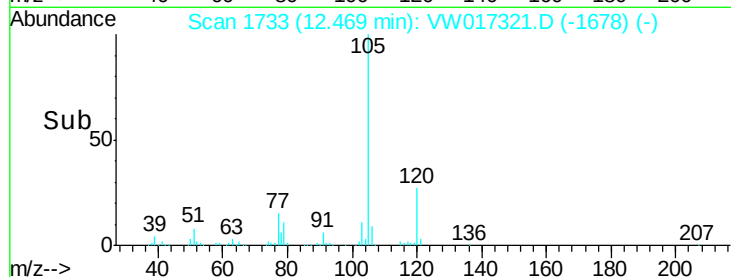
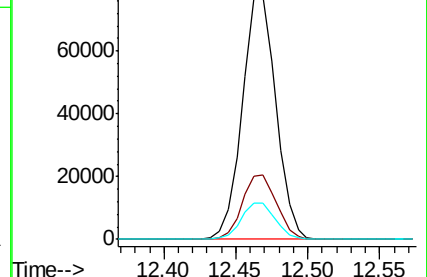
77 15.2 11.8 17.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.445 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW017321.D

Acq: 18 Nov 2020 11:45

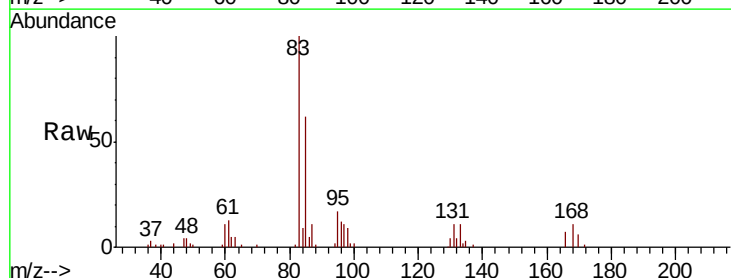
Tgt Ion: 83 Resp: 19116

Ion Ratio Lower Upper

83 100

85 61.8 44.2 82.0

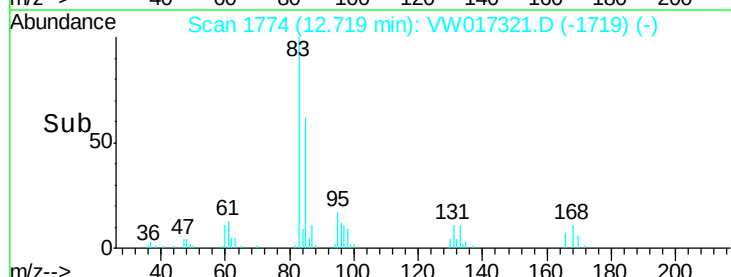
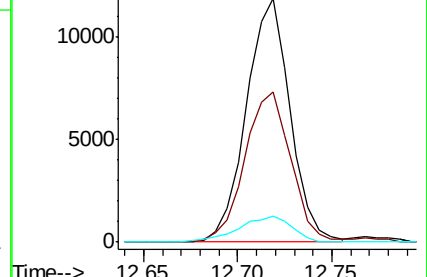
131 10.9 8.7 13.1

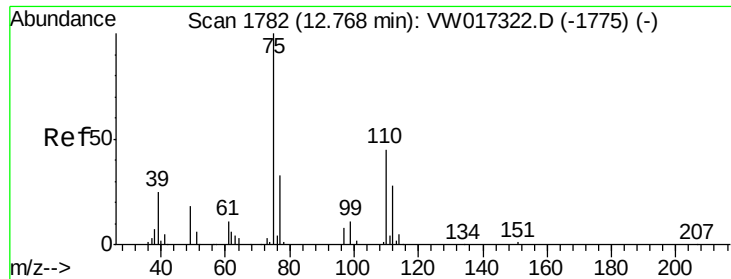


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 4.407 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW017321.D

Acq: 18 Nov 2020 11:45

Instrument :

MSVOA_W

ClientSampleId :

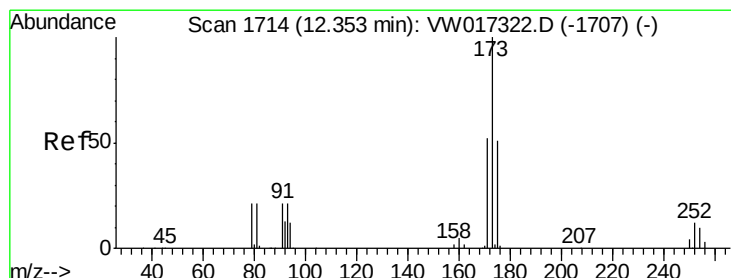
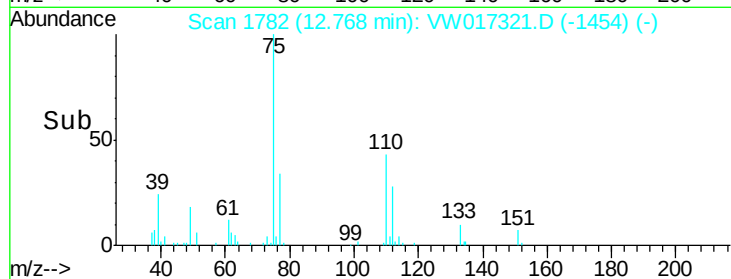
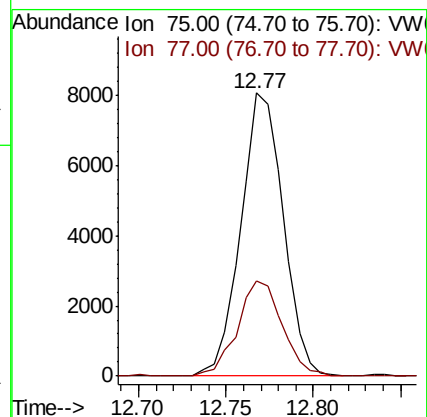
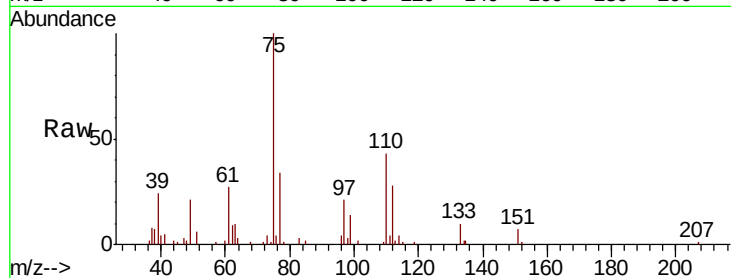
VSTD00506

Tot Ion: 75 Resp: 13591

Ion Ratio Lower Upper

75 100

77 35.4 26.6 40.0



#62

Bromoform

Concen: 4.265 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW017321.D

Acq: 18 Nov 2020 11:45

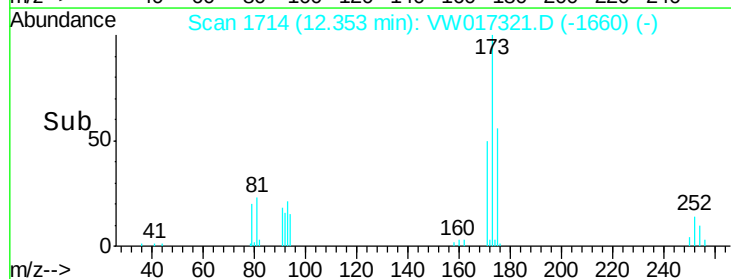
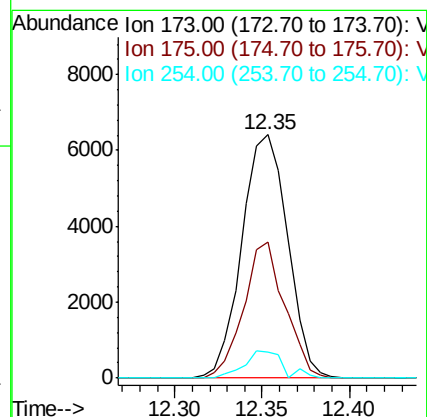
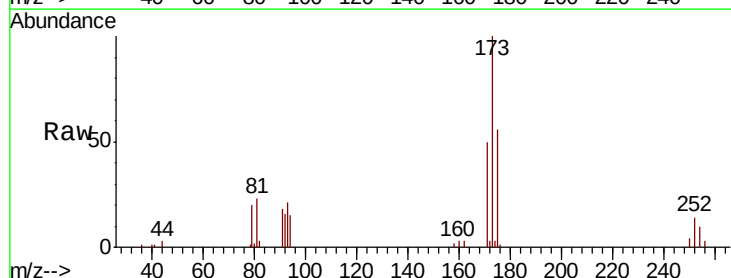
Tgt Ion: 173 Resp: 11703

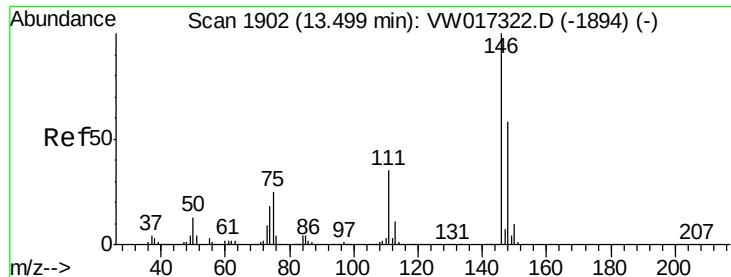
Ion Ratio Lower Upper

173 100

175 49.9 40.0 60.0

254 8.3 8.0 12.0

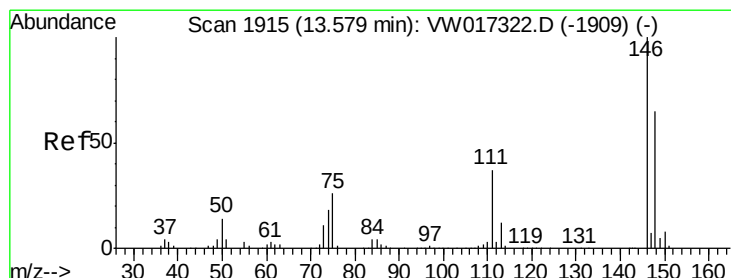
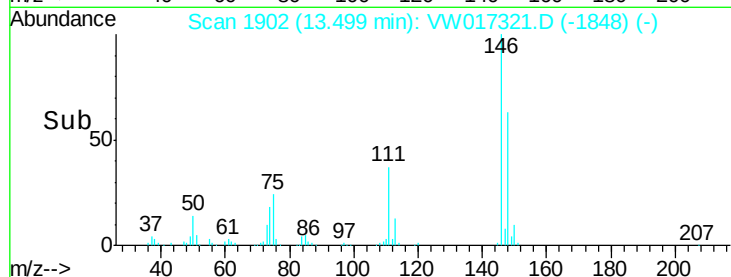
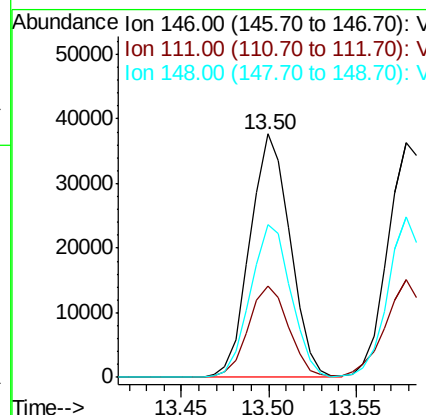
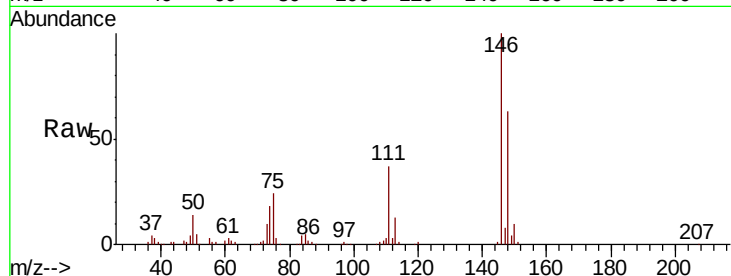




#63
 1,3-Dichlorobenzene
 Concen: 5.221 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW017321.D
 Acq: 18 Nov 2020 11:45

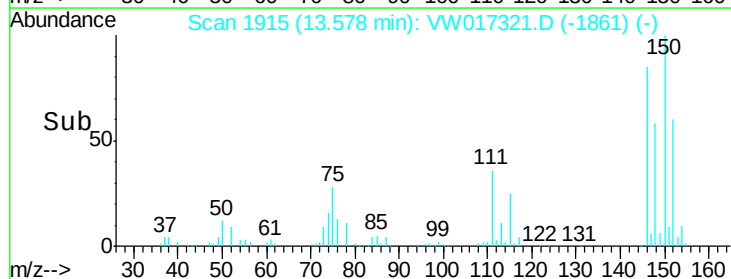
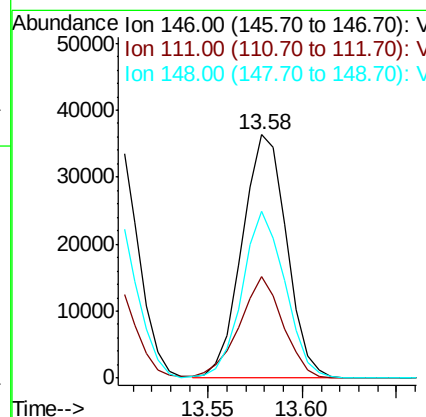
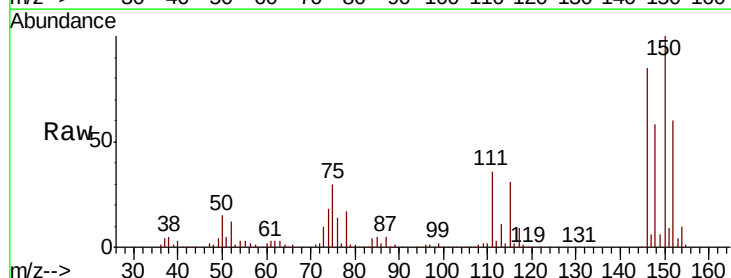
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00506

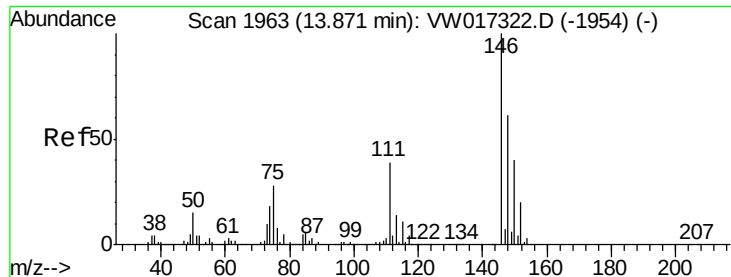
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	24.5	45.5
148	62.6	40.4	75.0



#64
 1,4-Dichlorobenzene
 Concen: 5.156 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW017321.D
 Acq: 18 Nov 2020 11:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.8	26.2	48.8
148	68.5	45.2	84.0

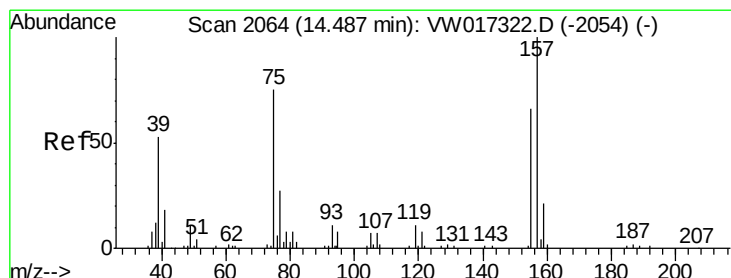
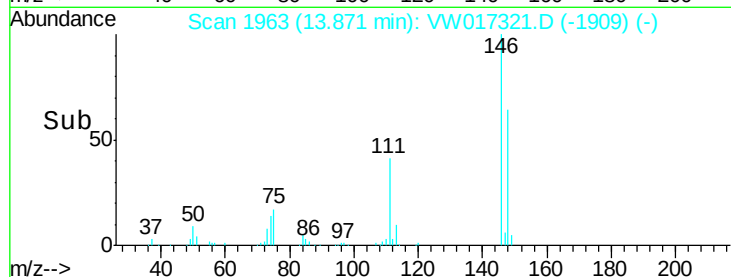
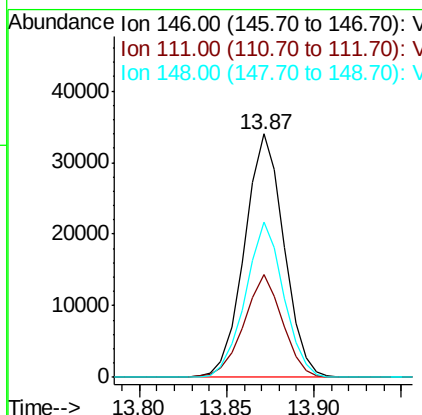
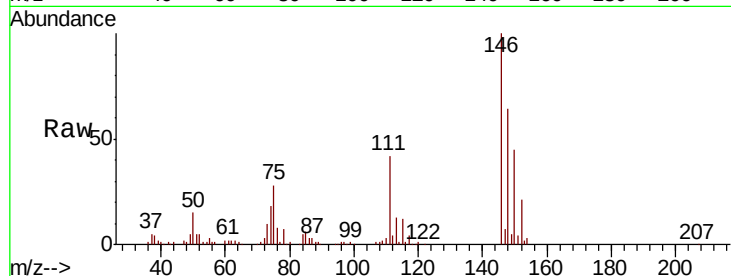




#65
 1,2-Dichlorobenzene
 Concen: 5.211 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW017321.D
 Acq: 18 Nov 2020 11:45

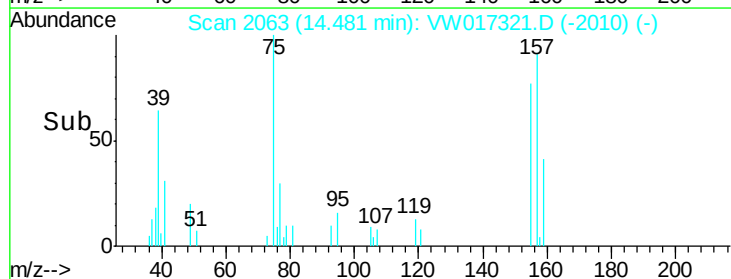
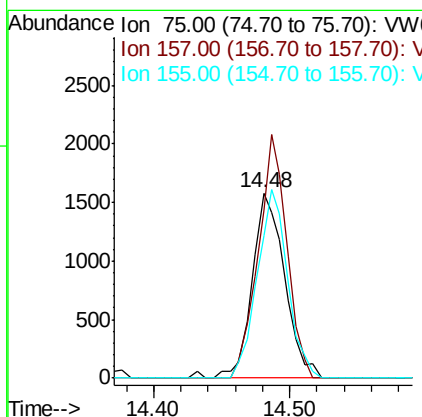
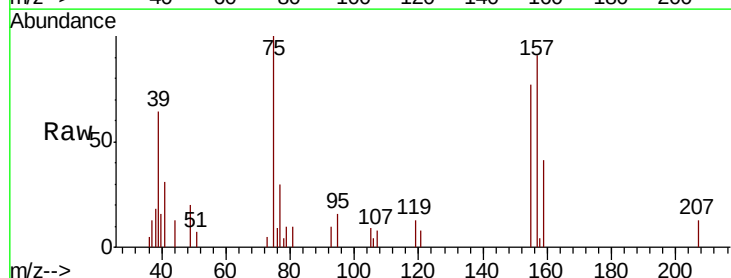
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00506

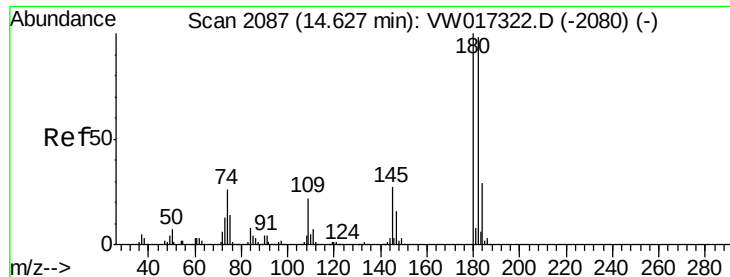
Tot Ion:146 Resp: 53362
 Ion Ratio Lower Upper
 146 100
 111 42.0 30.8 46.2
 148 63.7 49.0 73.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.068 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW017321.D
 Acq: 18 Nov 2020 11:45

Tgt Ion: 75 Resp: 2650
 Ion Ratio Lower Upper
 75 100
 157 91.0 106.7 160.1#
 155 77.2 70.6 106.0

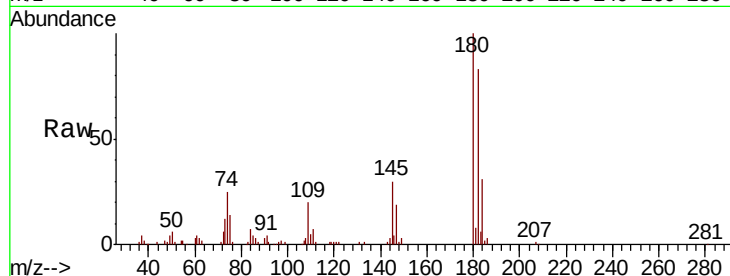




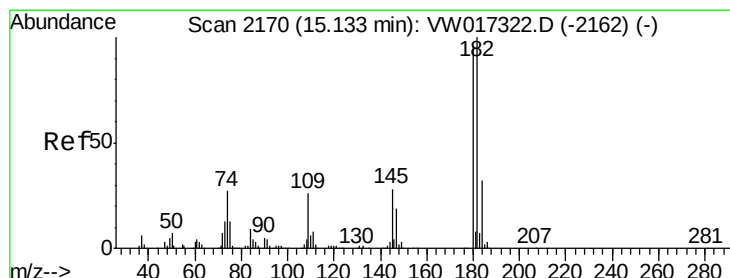
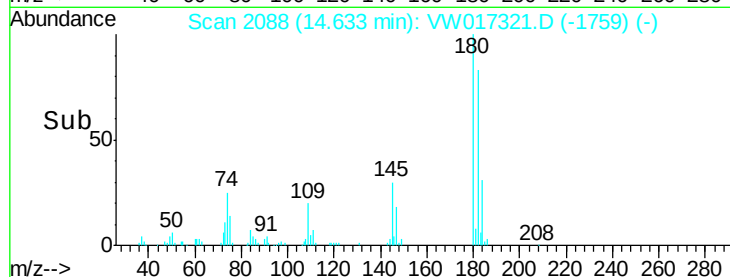
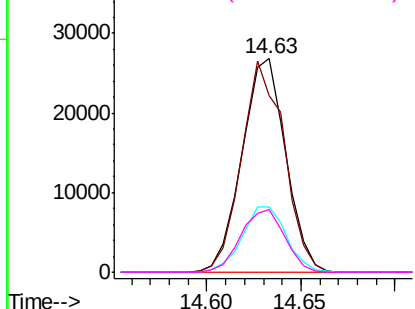
#67
 1,3,5-Trichlorobenzene
 Concen: 5.093 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.01 min
 Lab File: VW017321.D
 Acq: 18 Nov 2020 11:45

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00506

Tot Ion:180	Resp:	43166
Ion	Ratio	Lower Upper
180	100	
182	96.4	76.8 115.2
184	31.1	23.9 35.9
145	29.6	22.6 33.8

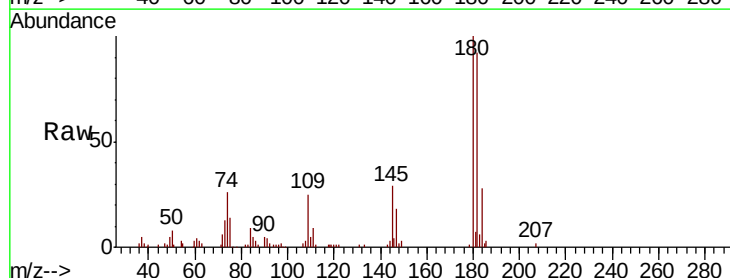


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

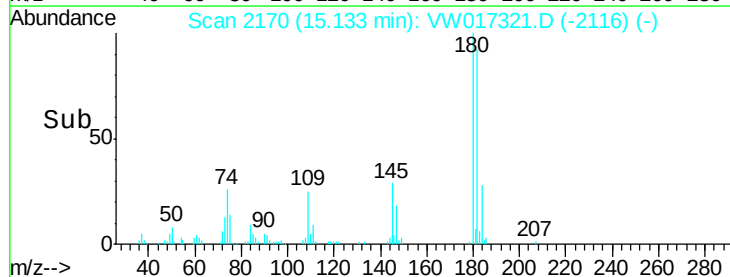
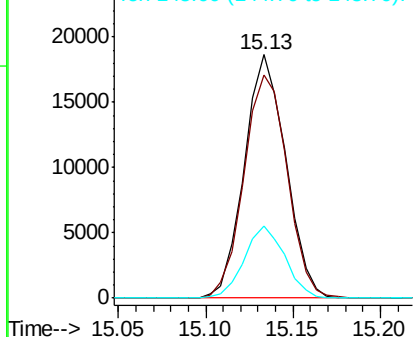


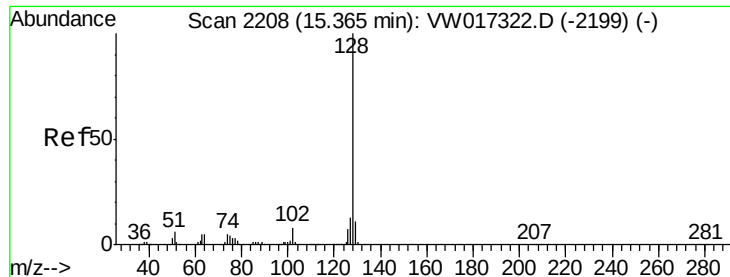
#68
 1,2,4-trichlorobenzene
 Concen: 4.642 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW017321.D
 Acq: 18 Nov 2020 11:45

Tgt Ion:180	Resp:	30896
Ion	Ratio	Lower Upper
180	100	
182	95.6	77.0 115.6
145	29.0	22.9 34.3



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: 3.207 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW017321.D

Acq: 18 Nov 2020 11:45

Instrument :

MSVOA_W

ClientSampleId :

VSTD00506

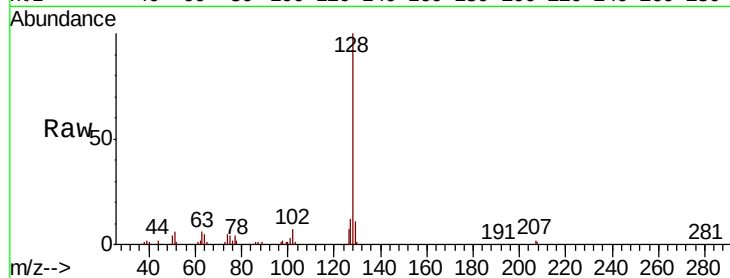
Tot Ion:128 Resp: 37139

Ion Ratio Lower Upper

128 100

129 11.3 8.6 13.0

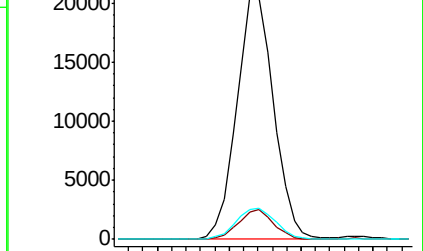
127 13.5 10.4 15.6



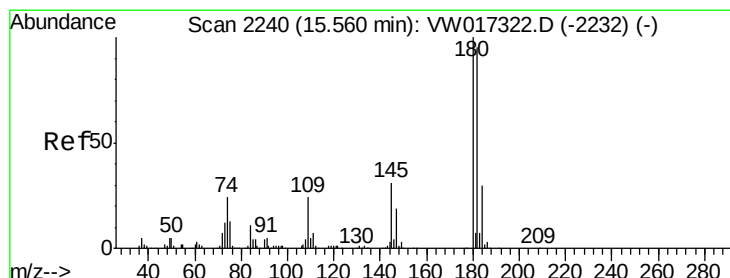
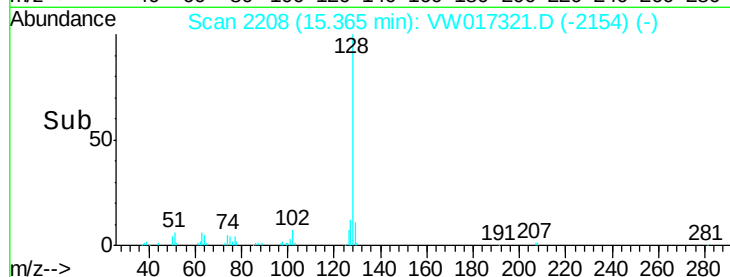
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



Time-->



#70

1,2,3-Trichlorobenzene

Concen: 4.562 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW017321.D

Acq: 18 Nov 2020 11:45

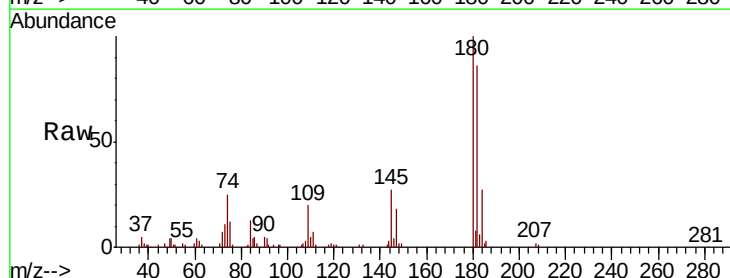
Tgt Ion:180 Resp: 27354

Ion Ratio Lower Upper

180 100

182 90.8 78.6 118.0

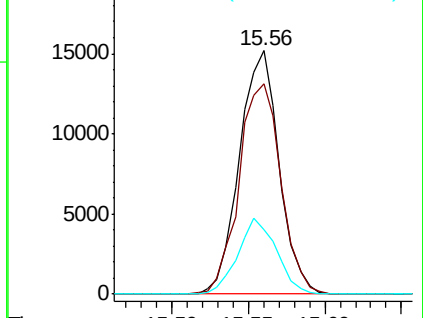
145 30.3 25.4 38.0



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



Time-->

