

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110320\
 Data File : VW017071.D
 Acq On : 03 Nov 2020 20:14
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02512

Quant Time: Nov 04 06:19:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM102220S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 04 04:03:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	445103	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	401590	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	208201	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	110683	21.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.20%
7) Chloroethane-d5	2.89	69	100561	25.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.04%
10) 1,1-Dichloroethene-d2	4.03	63	242460	24.26	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	97.04%
20) 2-Butanone-d5	7.08	46	55039	56.88	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.76%
24) Chloroform-d	7.65	84	282907	27.56	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	110.24%
26) 1,2-Dichloroethane-d4	8.31	65	127401	26.37	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	105.48%
29) Benzene-d6	8.28	84	555403	26.92	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	107.68%
33) 1,2-Dichloropropane-d6	9.28	67	156180	28.05	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	112.20%
37) Toluene-d8	10.33	98	523599	26.96	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	107.84%
38) trans-1,3-Dichloropropene-	10.58	79	62515	26.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	105.80%
39) 2-Hexanone-d5	10.93	63	46133	59.01	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	118.02%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	119061	28.07	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	112.28%
61) 1,2-Dichlorobenzene-d4	13.86	152	196683	26.88	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	107.52%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	115453	22.741	ug/L 95
3) Chloromethane	2.21	50	106702	24.350	ug/L 100
5) Vinyl chloride	2.37	62	164996	25.707	ug/L 99
6) Bromomethane	2.79	94	116654	26.761	ug/L 100
8) Chloroethane	2.93	64	102007	27.616	ug/L 99
9) Trichlorofluoromethane	3.27	101	134636	26.447	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.08	101	159948	26.069	ug/L 99
12) 1,1-Dichloroethene	4.04	96	153491	26.343	ug/L 97
13) Acetone	4.12	43	32454	49.841	ug/L 98
14) Carbon disulfide	4.39	76	421932	23.887	ug/L 99
15) Methyl Acetate	4.67	43	41598	24.469	ug/L 98
16) Methylene chloride	4.92	84	160317	27.242	ug/L 95
17) Methyl tert-butyl Ether	5.43	73	169537	26.693	ug/L 100
18) trans-1,2-Dichloroethene	5.43	96	161444	26.493	ug/L 99
19) 1,1-Dichloroethane	6.22	63	258148	27.662	ug/L 99
21) 2-Butanone	7.17	43	52868	48.515	ug/L 98
22) cis-1,2-Dichloroethene	7.17	96	168771	27.394	ug/L 99

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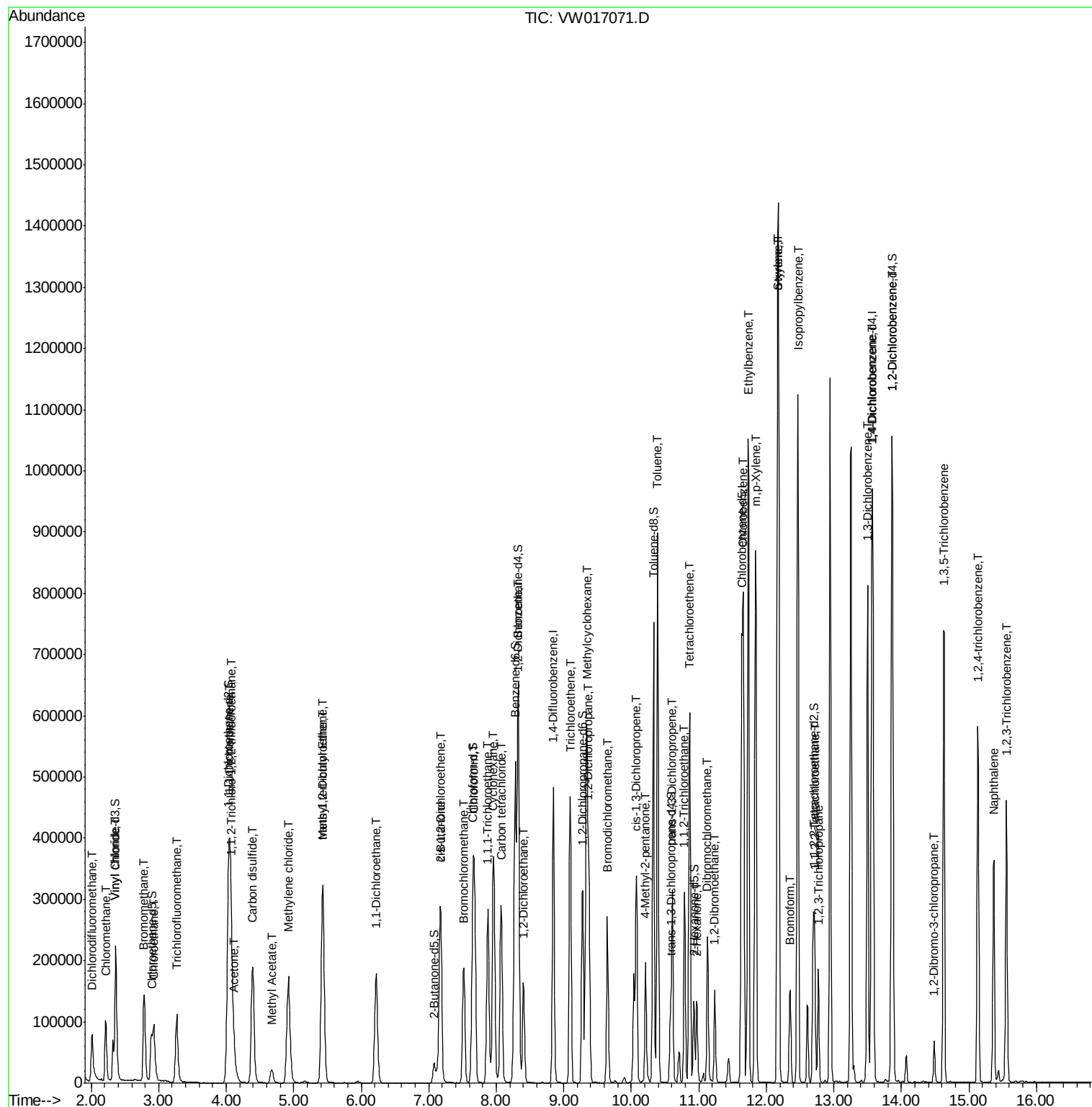
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	75835	26.665	ug/L	95
25) Chloroform	7.68	83	275183	27.699	ug/L	100
27) 1,2-Dichloroethane	8.40	62	149935	26.502	ug/L	98
30) Cyclohexane	7.96	56	210199	25.022	ug/L	97
31) 1,1,1-Trichloroethane	7.88	97	242014	27.836	ug/L	99
32) Carbon tetrachloride	8.07	117	225469	27.017	ug/L	99
34) Benzene	8.33	78	603850	27.219	ug/L	100
35) Trichloroethene	9.10	95	166949	27.171	ug/L	98
36) Methylcyclohexane	9.34	83	260874	25.281	ug/L	100
40) 1,2-Dichloropropane	9.37	63	138566	27.967	ug/L	99
41) Bromodichloromethane	9.65	83	188109	27.973	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	210578	27.180	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	119163	50.739	ug/L	100
44) Toluene	10.39	91	673624	28.025	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	177431	27.646	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	105414	26.581	ug/L	98
47) Tetrachloroethene	10.87	164	150810	26.683	ug/L	93
49) 2-Hexanone	10.97	43	77179	51.564	ug/L	98
50) Dibromochloromethane	11.13	129	135219	27.989	ug/L	96
51) 1,2-Dibromoethane	11.24	107	99695	26.368	ug/L	99
52) Chlorobenzene	11.66	112	440797	27.433	ug/L	98
53) Ethylbenzene	11.73	91	753383	27.909	ug/L	100
54) m,p-Xylene	11.84	106	297022	27.968	ug/L	98
55) o-xylene	12.17	106	281272	28.592	ug/L	91
56) Styrene	12.18	104	468759	28.483	ug/L	98
57) Isopropylbenzene	12.47	105	761199	27.974	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	113349	26.629	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	79130	25.977	ug/L	100
62) Bromoform	12.35	173	75797	25.908	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	354923	26.420	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	354357	26.461	ug/L	95
65) 1,2-Dichlorobenzene	13.87	146	312328	26.355	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	15926	24.704	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	254049	25.837	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	196274	25.753	ug/L	97
69) Naphthalene	15.37	128	327366	26.481	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	172660	25.997	ug/L	99

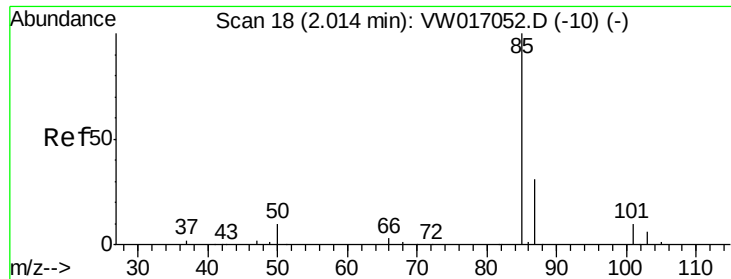
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 22.741 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW017071.D

Acq: 03 Nov 2020 20:14

Instrument :

MSVOA_W

ClientSampleId :

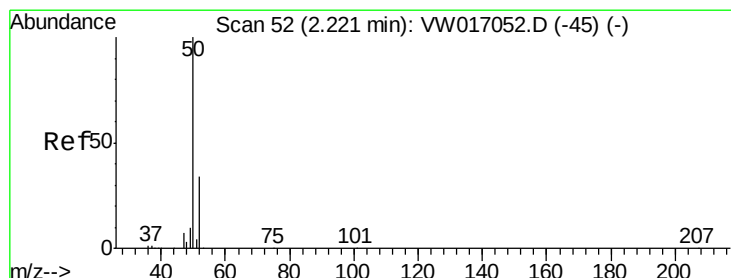
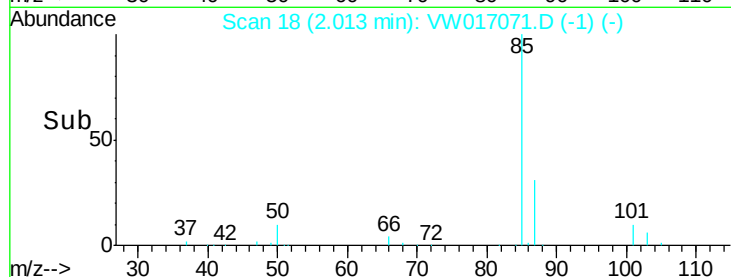
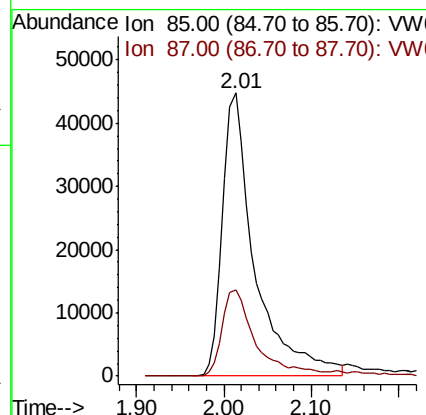
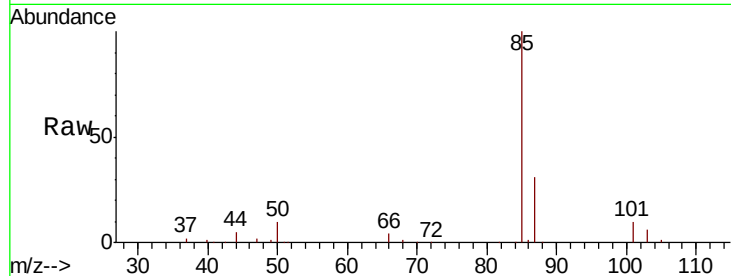
VSTD02512

Tot Ion: 85 Resp: 115453

Ion Ratio Lower Upper

85 100

87 29.3 22.4 41.6



#3

Chloromethane

Concen: 24.350 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW017071.D

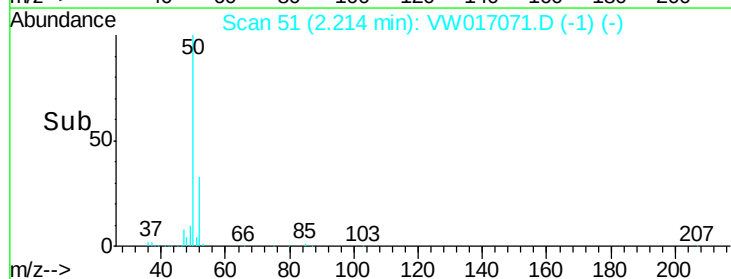
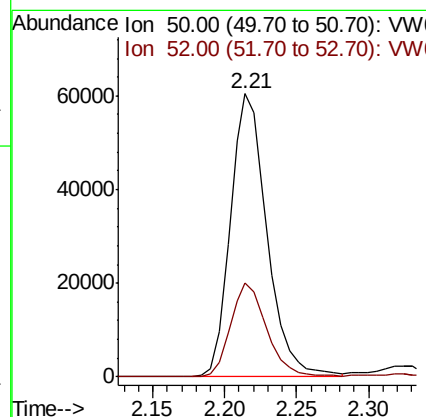
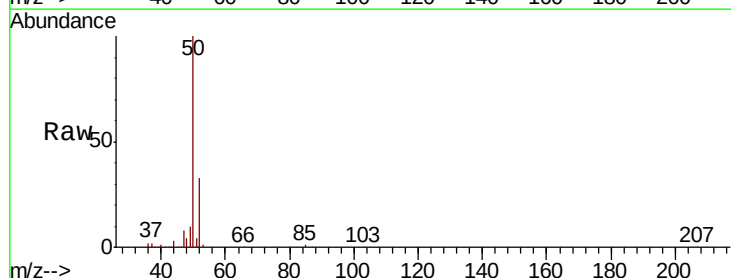
Acq: 03 Nov 2020 20:14

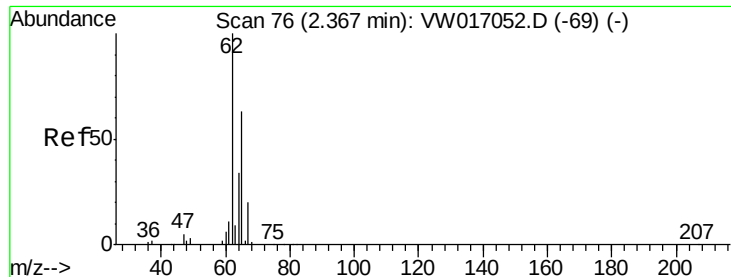
Tgt Ion: 50 Resp: 106702

Ion Ratio Lower Upper

50 100

52 33.4 23.5 43.7





#5

Vinyl chloride

Concen: 25.707 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW017071.D

Acq: 03 Nov 2020 20:14

Instrument :

MSVOA_W

ClientSampleId :

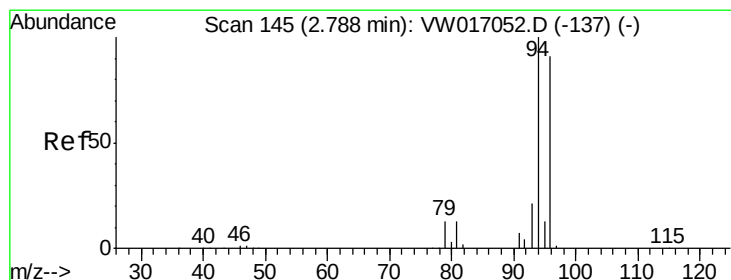
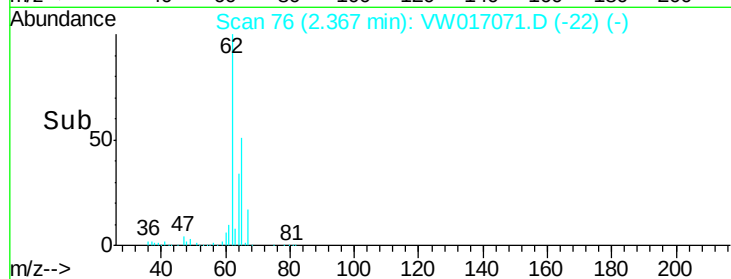
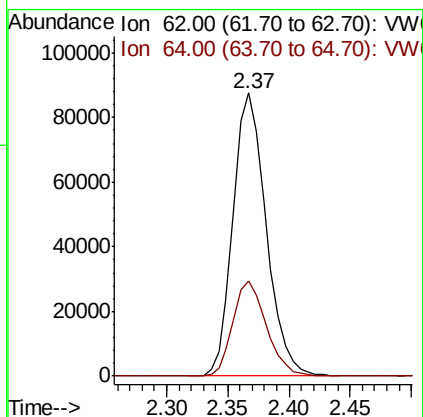
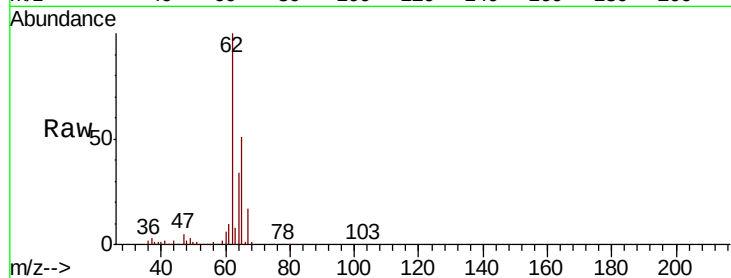
VSTD02512

Tot Ion: 62 Resp: 164996

Ion Ratio Lower Upper

62 100

64 33.7 24.1 44.7



#6

Bromomethane

Concen: 26.761 ug/L

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW017071.D

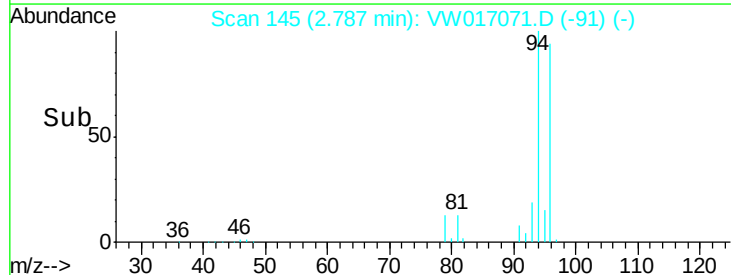
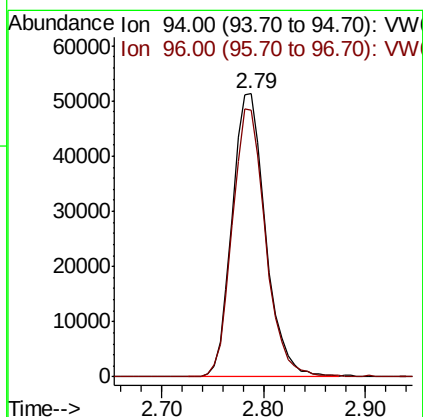
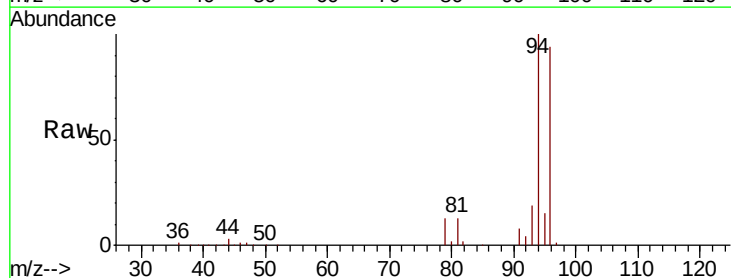
Acq: 03 Nov 2020 20:14

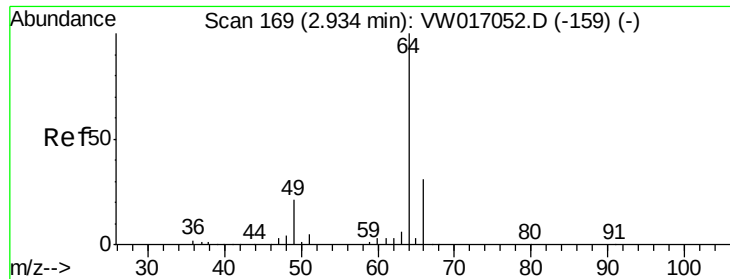
Tgt Ion: 94 Resp: 116654

Ion Ratio Lower Upper

94 100

96 94.1 9.4 178.8





#8

Chloroethane

Concen: 27.616 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW017071.D

Acq: 03 Nov 2020 20:14

Instrument :

MSVOA_W

ClientSampleId :

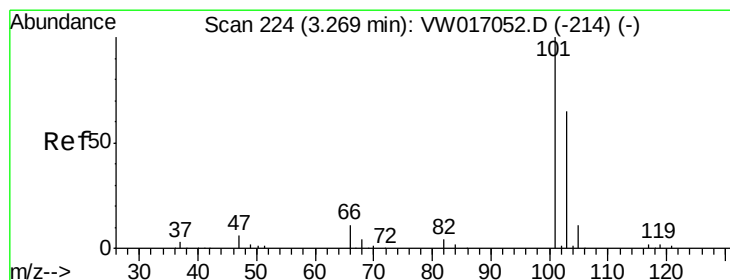
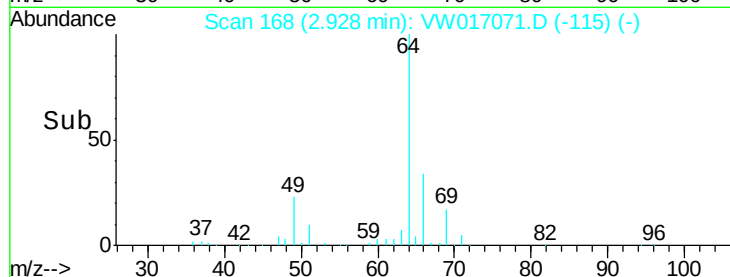
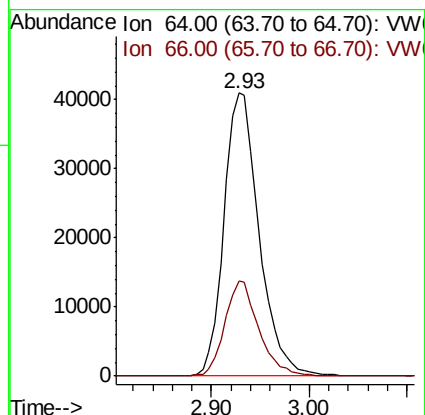
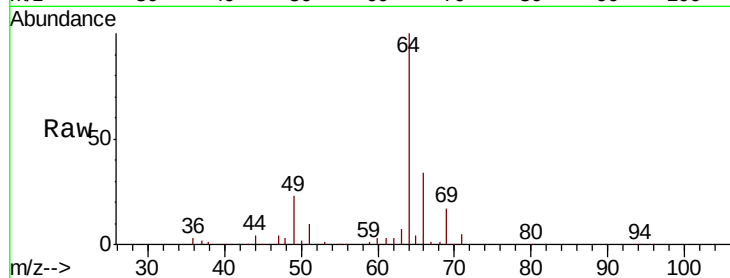
VSTD02512

Tot Ion: 64 Resp: 102007

Ion Ratio Lower Upper

64 100

66 33.8 23.4 43.6



#9

Trichlorofluoromethane

Concen: 26.447 ug/L

RT: 3.27 min Scan# 224

Delta R.T. -0.00 min

Lab File: VW017071.D

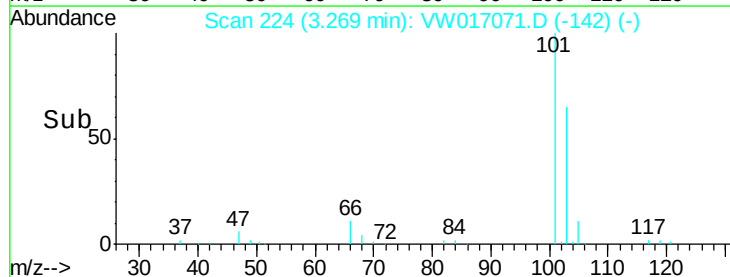
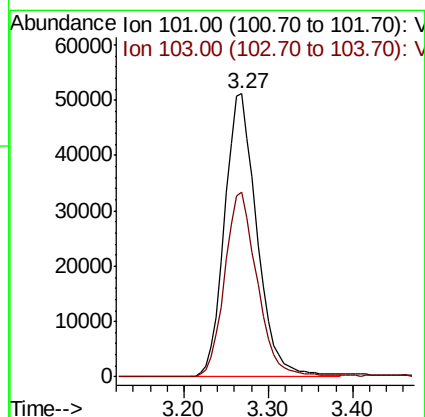
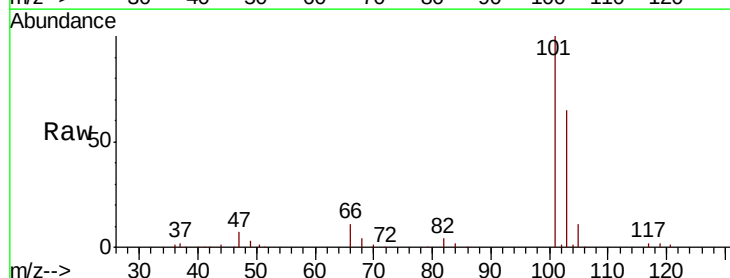
Acq: 03 Nov 2020 20:14

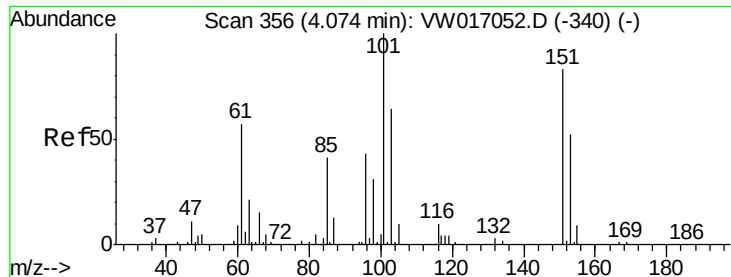
Tgt Ion: 101 Resp: 134636

Ion Ratio Lower Upper

101 100

103 65.2 44.9 83.5





#11

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

Concen: 26.069 ug/L

RT: 4.08 min Scan# 357

Delta R.T. 0.01 min

Lab File: VW017071.D

Acq: 03 Nov 2020 20:14

Instrument :

MSVOA_W

ClientSampled :

VSTD02512

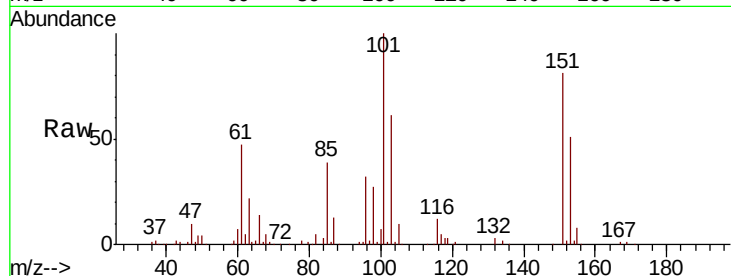
Tot Ion:101 Resp: 159948

Ion Ratio Lower Upper

101 100

85 39.8 32.5 48.7

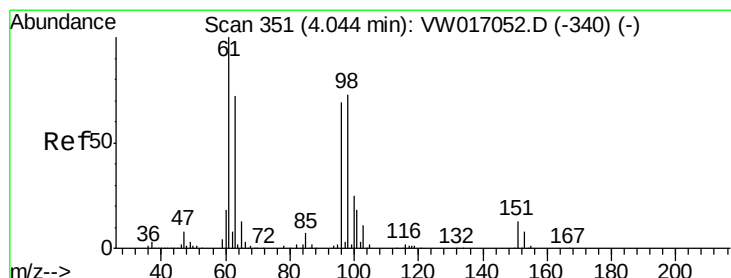
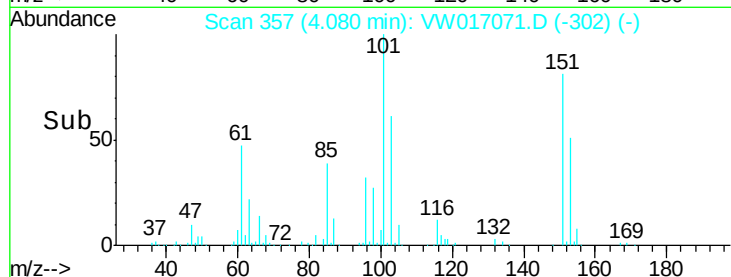
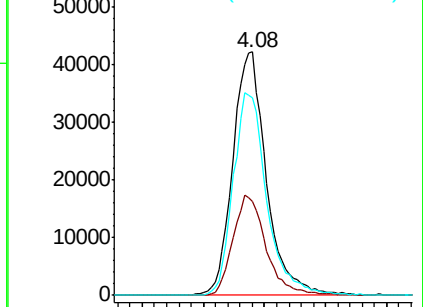
151 82.8 65.7 98.5



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: 26.343 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.00 min

Lab File: VW017071.D

Acq: 03 Nov 2020 20:14

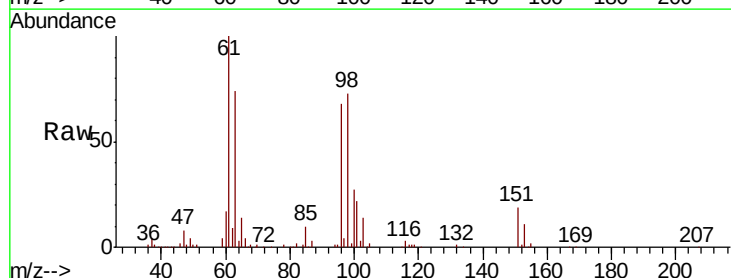
Tgt Ion: 96 Resp: 153491

Ion Ratio Lower Upper

96 100

61 148.1 101.4 188.4

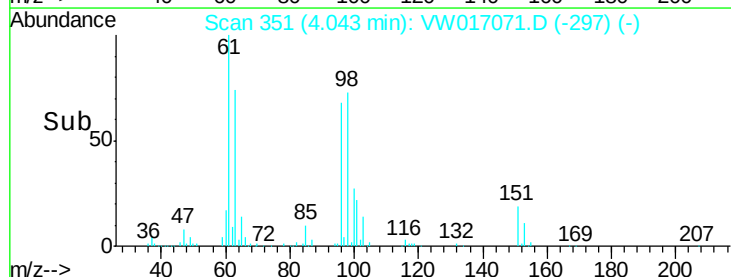
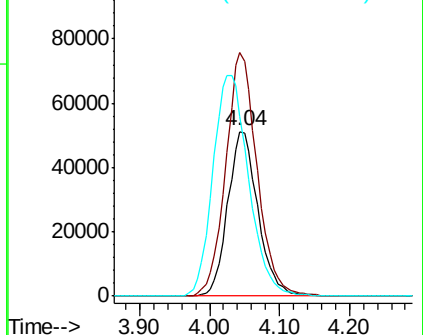
63 108.8 78.5 145.9

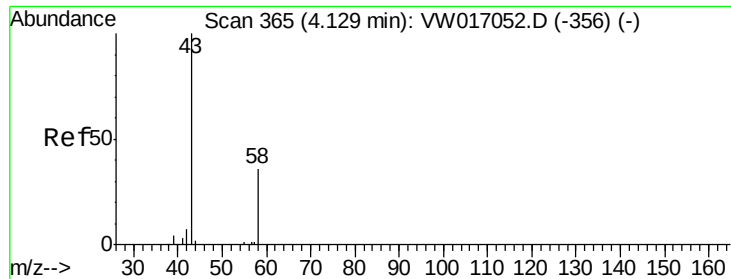


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 49.841 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW017071.D

Acq: 03 Nov 2020 20:14

Instrument :

MSVOA_W

ClientSampled :

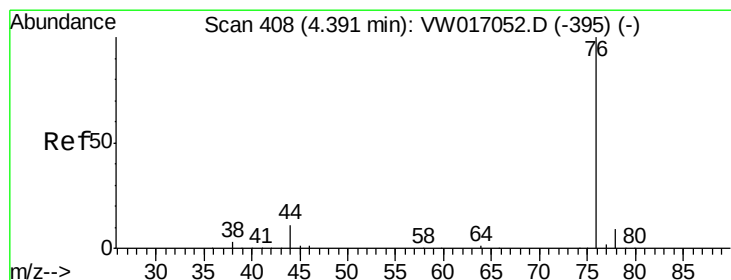
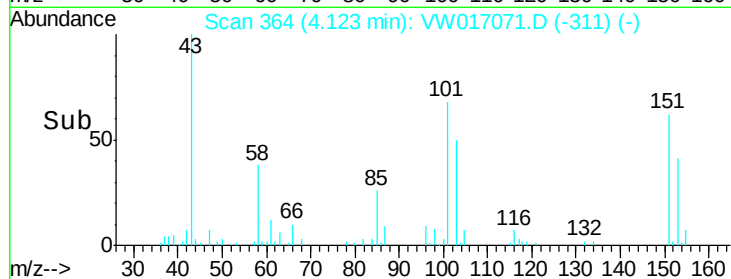
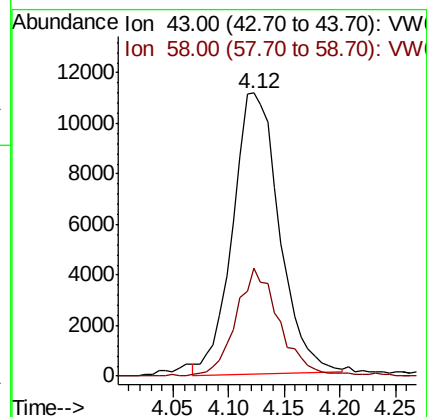
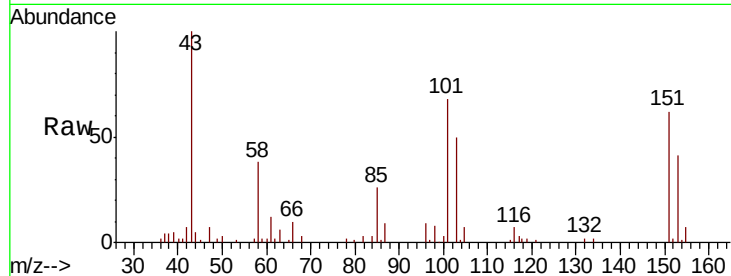
VSTD02512

Tot Ion: 43 Resp: 32454

Ion Ratio Lower Upper

43 100

58 35.9 0.0 69.8



#14

Carbon disulfide

Concen: 23.887 ug/L

RT: 4.39 min Scan# 408

Delta R.T. -0.00 min

Lab File: VW017071.D

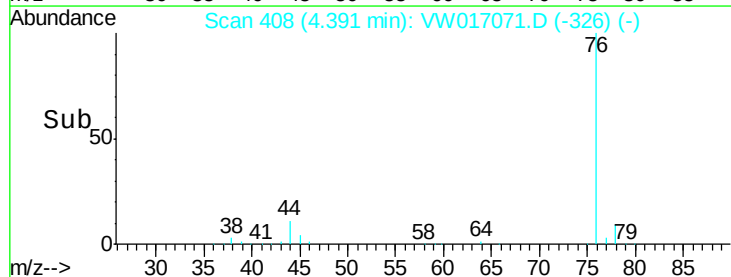
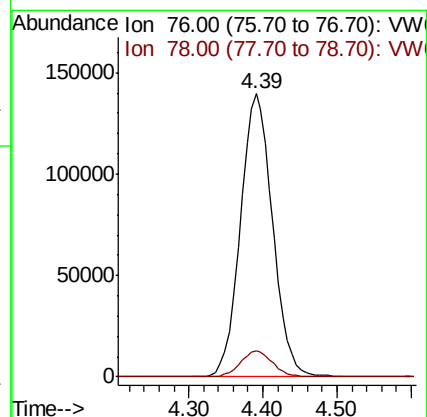
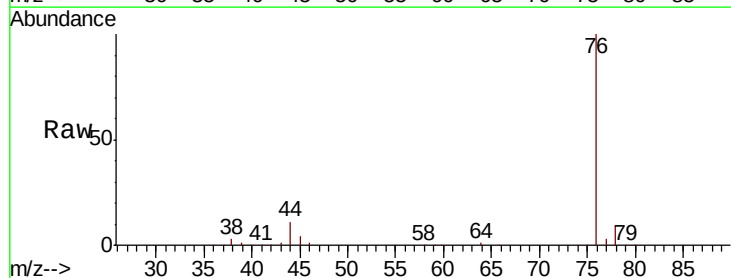
Acq: 03 Nov 2020 20:14

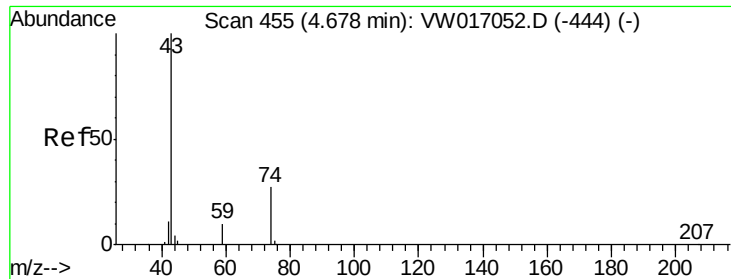
Tgt Ion: 76 Resp: 421932

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9

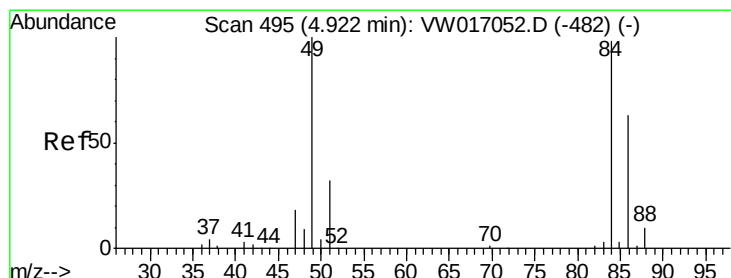
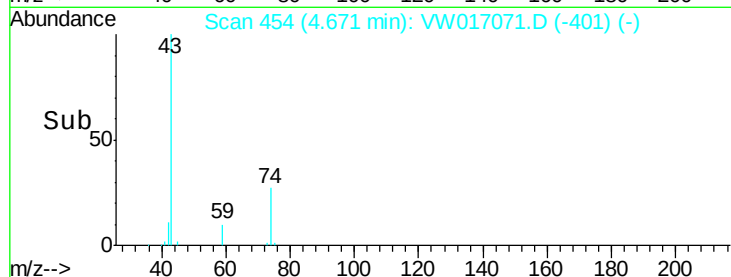
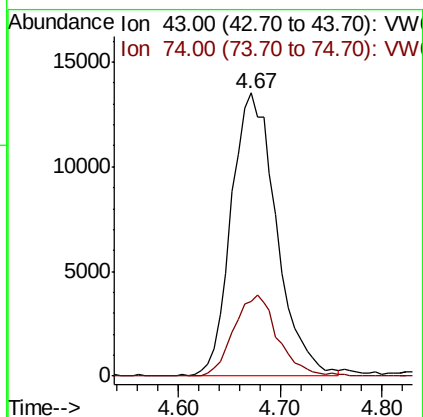
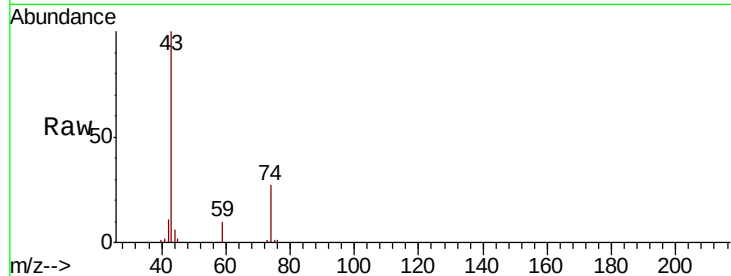




#15
Methvl Acetate
Concen: 24.469 ug/L
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW017071.D
Acq: 03 Nov 2020 20:14

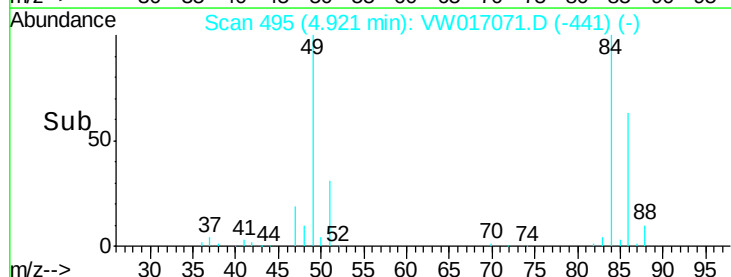
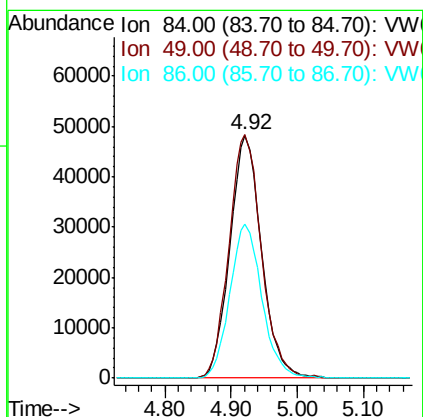
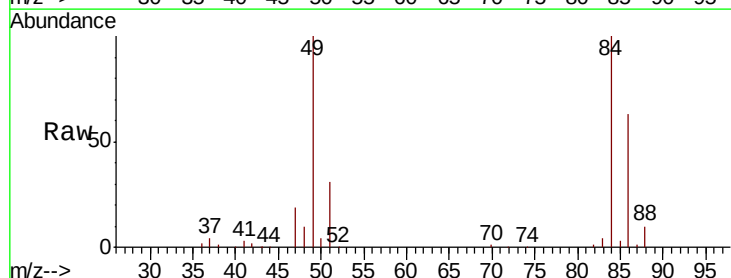
Instrument :
MSVOA_W
ClientSampleId :
VSTD02512

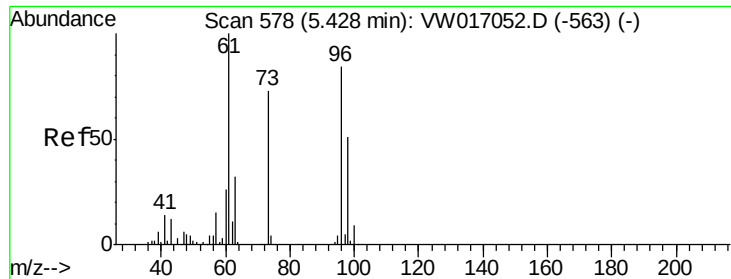
Tot Ion: 43 Resp: 41598
Ion Ratio Lower Upper
43 100
74 27.4 22.8 34.2



#16
Methylene chloride
Concen: 27.242 ug/L
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW017071.D
Acq: 03 Nov 2020 20:14

Tgt Ion: 84 Resp: 160317
Ion Ratio Lower Upper
84 100
49 100.3 73.8 137.0
86 63.6 47.4 88.0

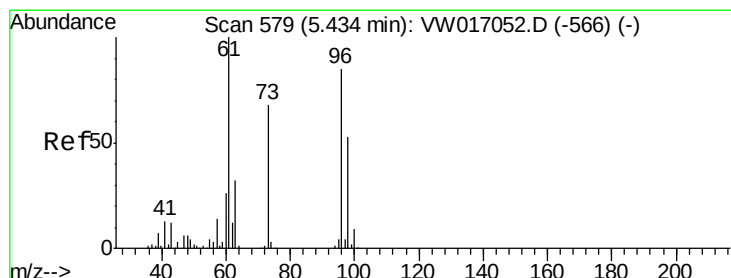
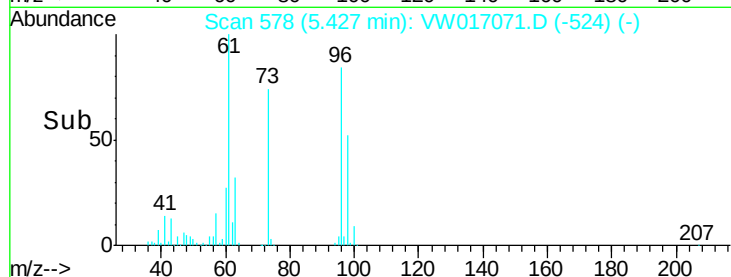
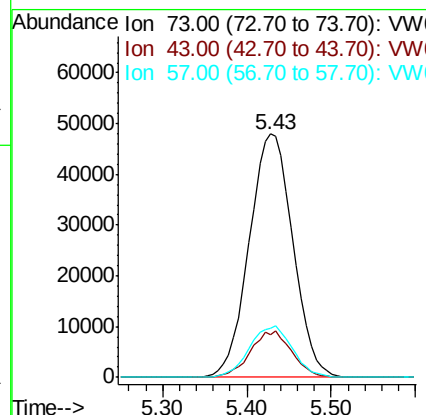
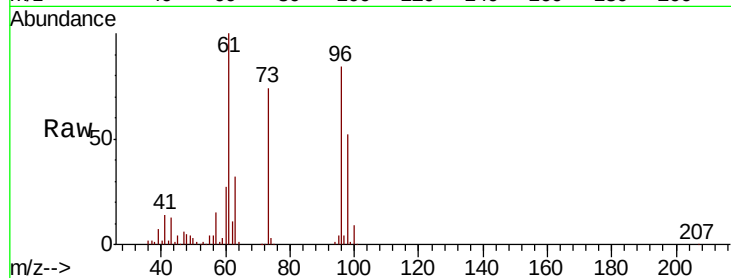




#17
Methyl tert-butyl Ether
Concen: 26.693 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW017071.D
Acq: 03 Nov 2020 20:14

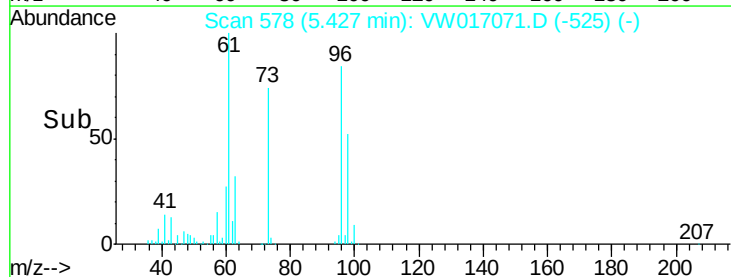
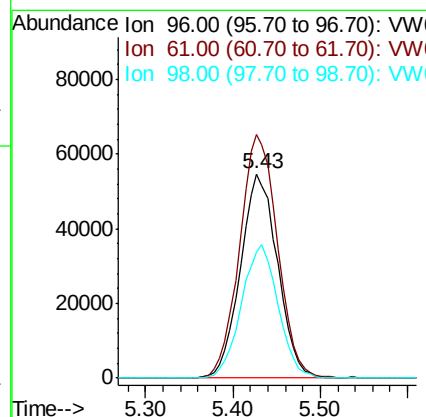
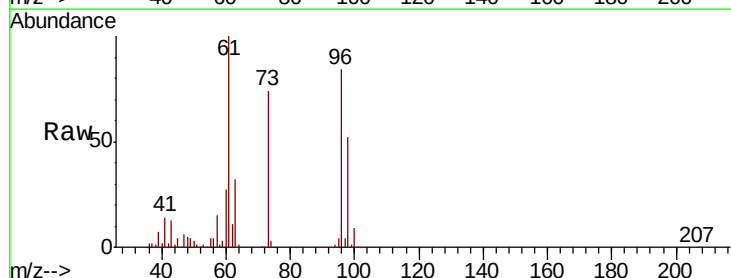
Instrument :
MSVOA_W
ClientSampleId :
VSTD02512

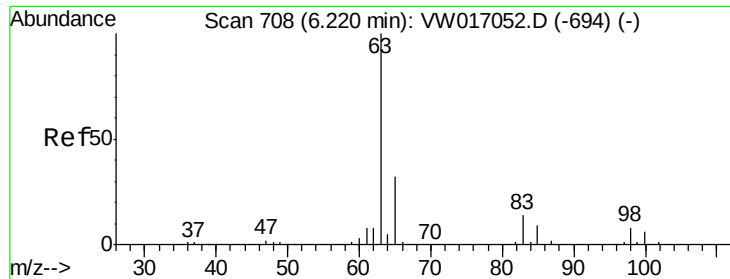
Tot Ion: 73 Resp: 169537
Ion Ratio Lower Upper
73 100
43 18.1 14.4 21.6
57 20.9 16.6 25.0



#18
trans-1,2-Dichloroethene
Concen: 26.493 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW017071.D
Acq: 03 Nov 2020 20:14

Tgt Ion: 96 Resp: 161444
Ion Ratio Lower Upper
96 100
61 119.3 82.7 153.7
98 61.9 42.6 79.0

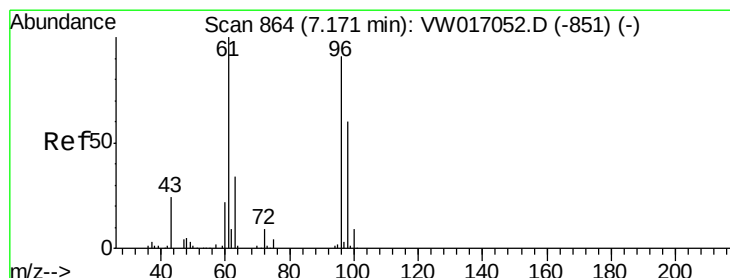
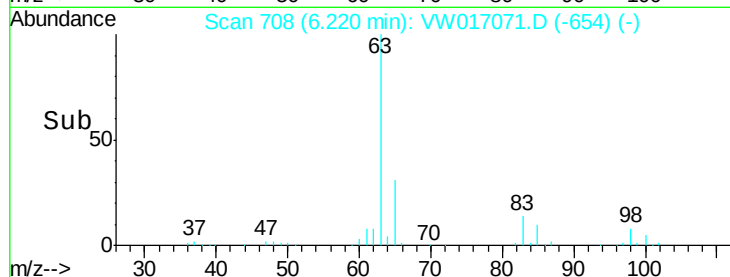
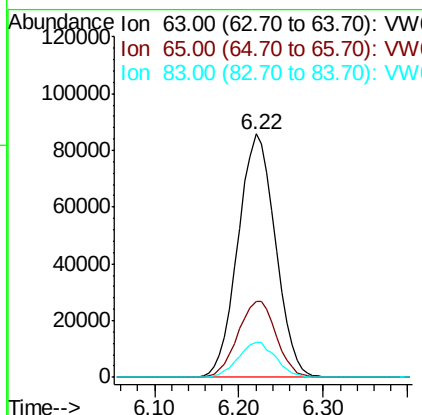
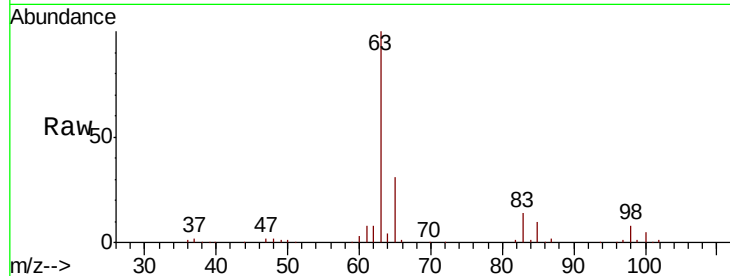




#19
 1,1-Dichloroethane
 Concen: 27.662 ug/L
 RT: 6.22 min Scan# 708
 Delta R.T. -0.00 min
 Lab File: VW017071.D
 Acq: 03 Nov 2020 20:14

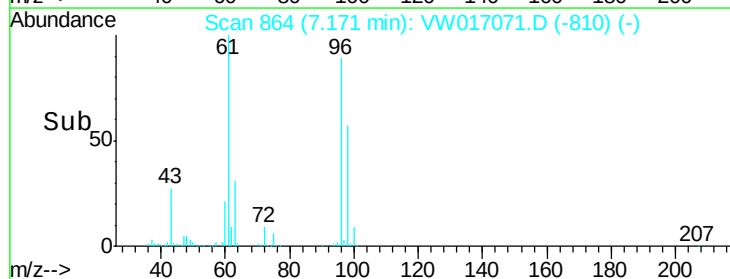
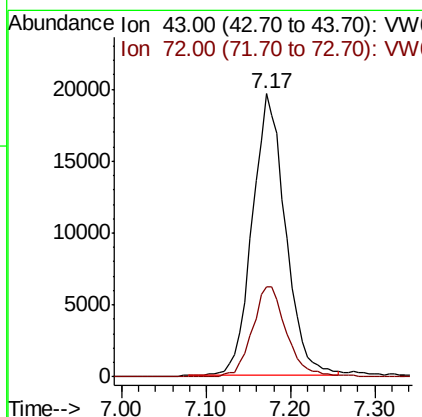
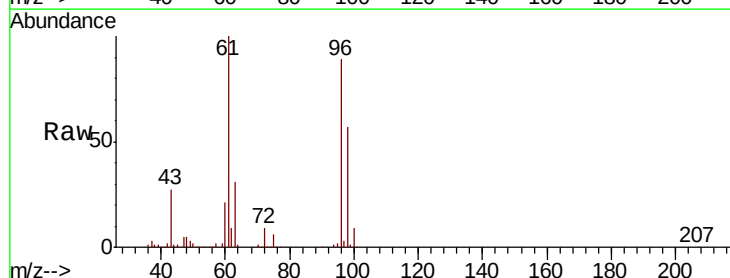
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02512

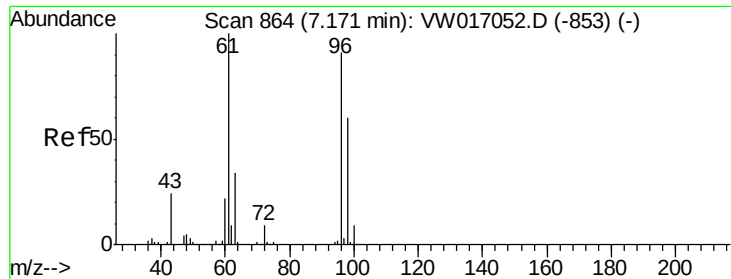
Tot Ion	63	Resp	258148
Ion Ratio	Lower	Upper	
63	100		
65	31.2	22.5	41.9
83	14.2	10.1	18.9



#21
 2-Butanone
 Concen: 48.515 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW017071.D
 Acq: 03 Nov 2020 20:14

Tgt Ion	43	Resp	52868
Ion Ratio	Lower	Upper	
43	100		
72	31.1	16.1	48.2



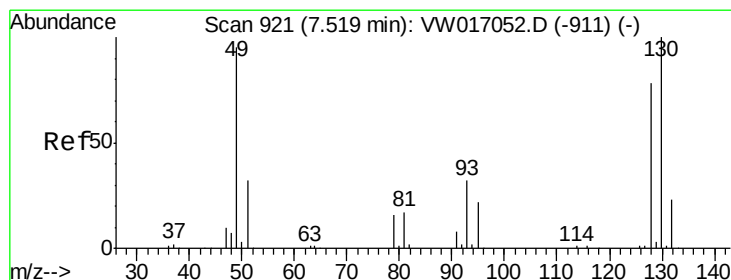
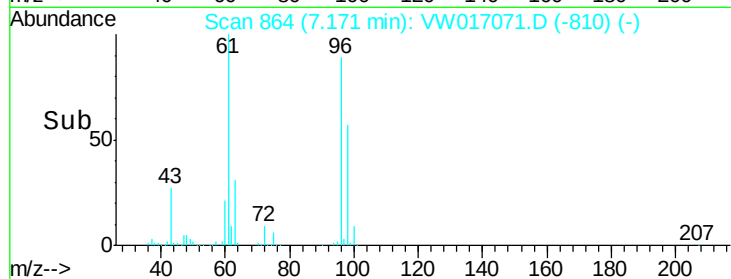
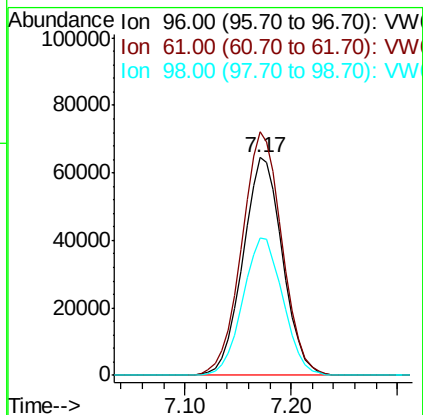
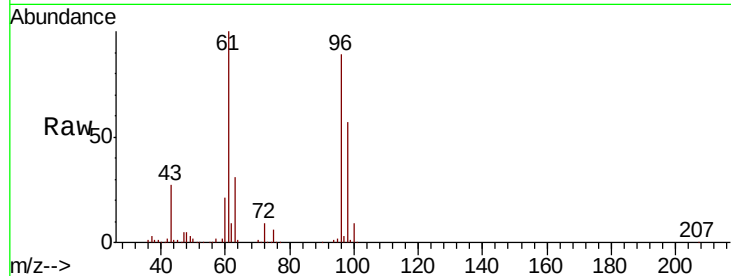


#22

cis-1,2-Dichloroethene
 Concen: 27.394 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW017071.D
 Acq: 03 Nov 2020 20:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02512

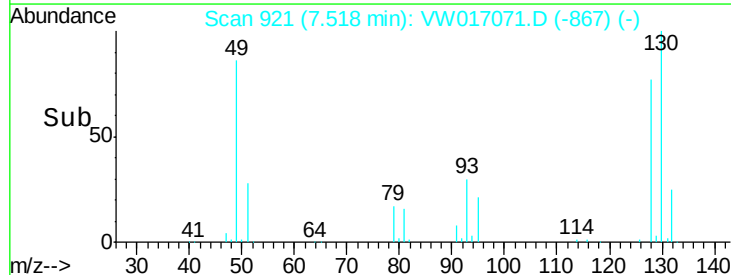
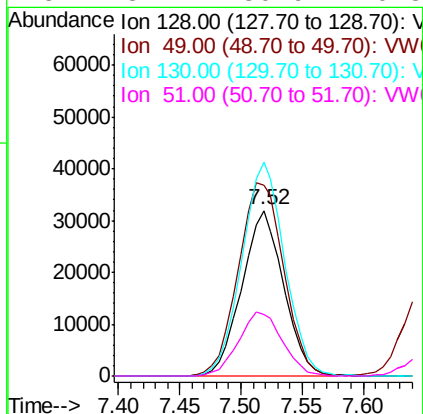
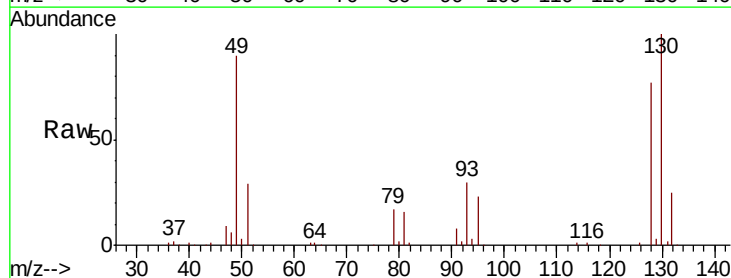
Tot Ion: 96 Resp: 168771
 Ion Ratio Lower Upper
 96 100
 61 111.9 77.4 143.8
 98 63.4 44.4 82.5

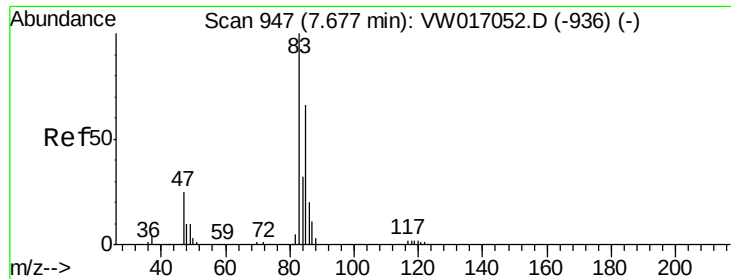


#23

Bromochloromethane
 Concen: 26.665 ug/L
 RT: 7.52 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VW017071.D
 Acq: 03 Nov 2020 20:14

Tgt Ion: 128 Resp: 75835
 Ion Ratio Lower Upper
 128 100
 49 115.7 86.4 160.4
 130 129.2 86.4 160.4
 51 37.2 30.9 46.3

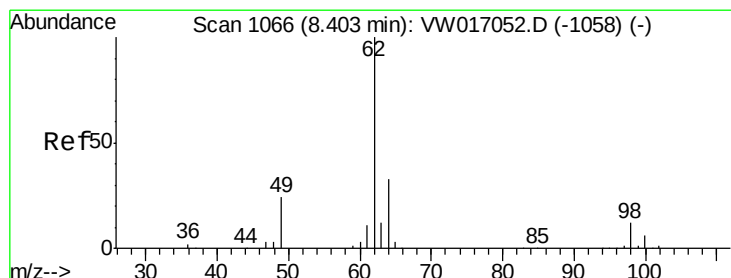
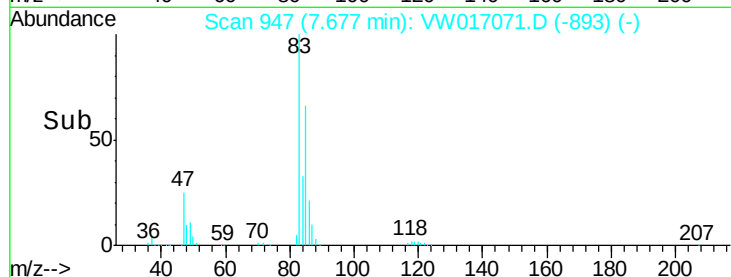
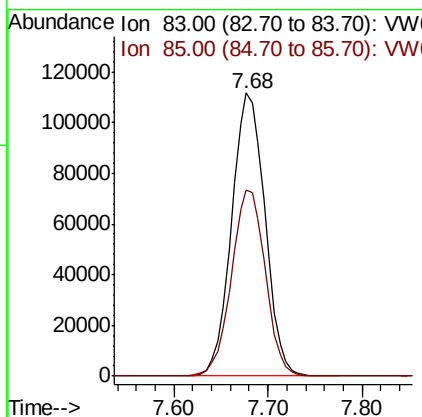
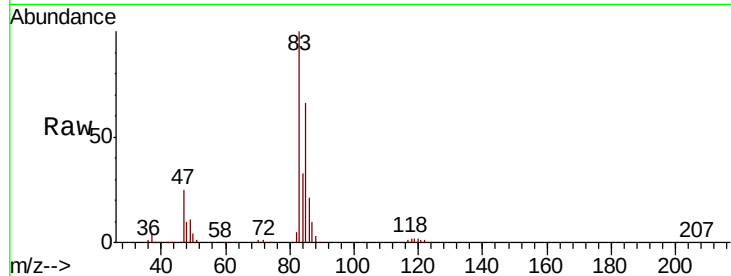




#25
Chloroform
Concen: 27.699 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW017071.D
Acq: 03 Nov 2020 20:14

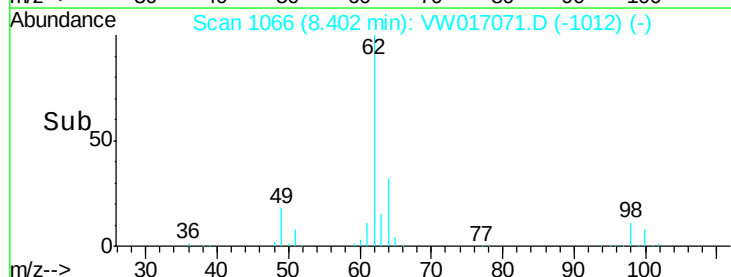
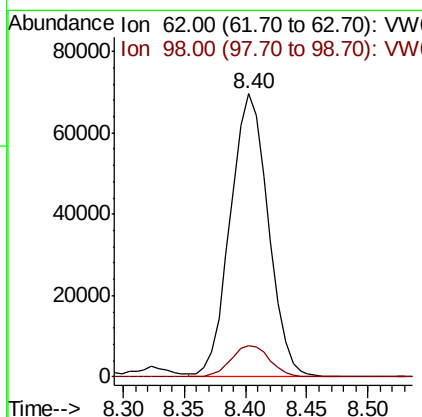
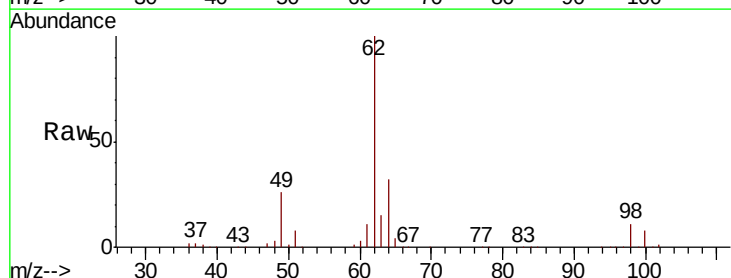
Instrument :
MSVOA_W
ClientSampleId :
VSTD02512

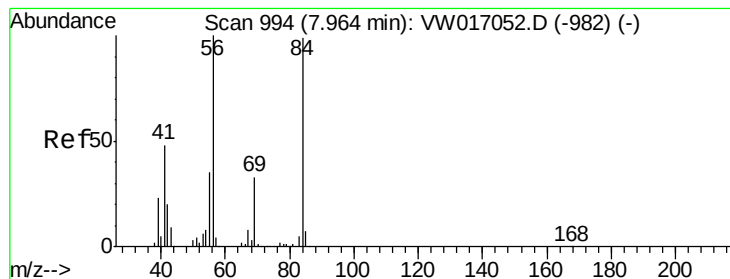
Tot Ion: 83 Resp: 275183
Ion Ratio Lower Upper
83 100
85 66.9 46.6 86.6



#27
1,2-Dichloroethane
Concen: 26.502 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW017071.D
Acq: 03 Nov 2020 20:14

Tgt Ion: 62 Resp: 149935
Ion Ratio Lower Upper
62 100
98 11.2 8.5 12.7





#30

Cyclohexane

Concen: 25.022 ug/L

RT: 7.96 min Scan# 993

Delta R.T. -0.01 min

Lab File: VW017071.D

Acq: 03 Nov 2020 20:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD02512

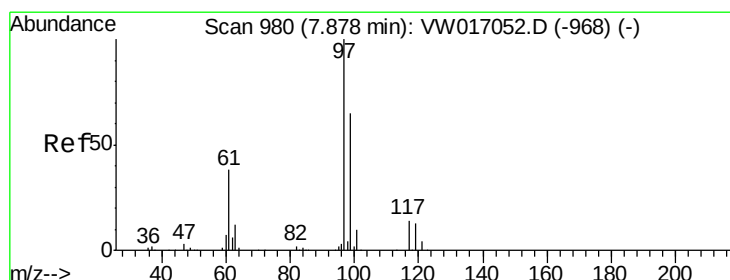
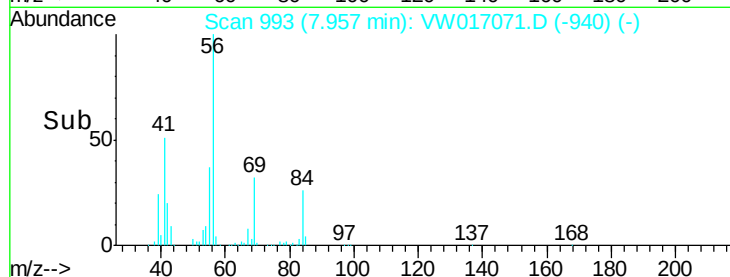
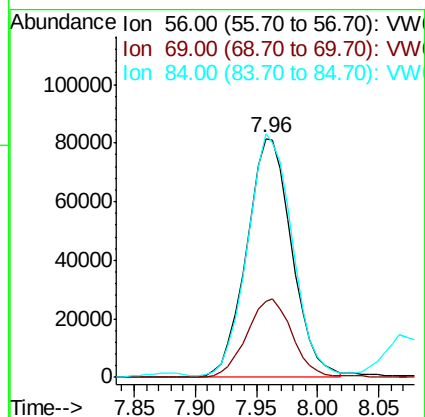
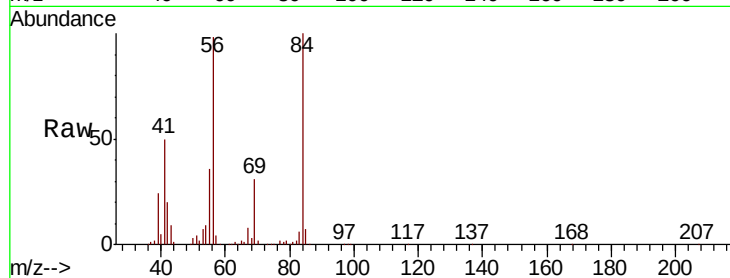
Tot Ion: 56 Resp: 210199

Ion Ratio Lower Upper

56 100

69 33.1 26.0 39.0

84 101.3 78.6 118.0



#31

1,1,1-Trichloroethane

Concen: 27.836 ug/L

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW017071.D

Acq: 03 Nov 2020 20:14

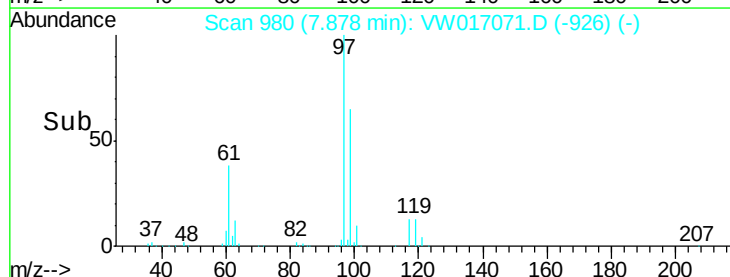
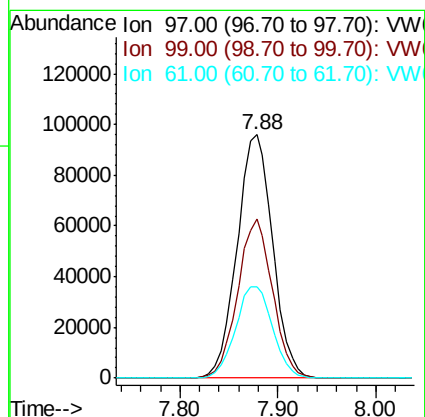
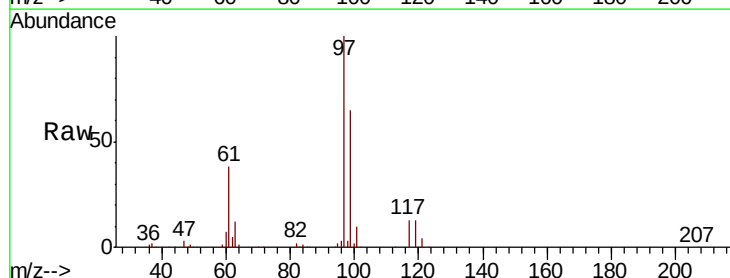
Tgt Ion: 97 Resp: 242014

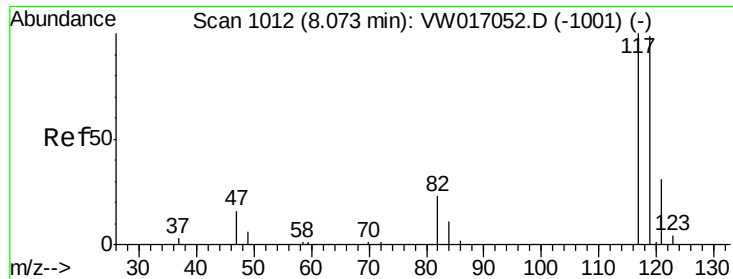
Ion Ratio Lower Upper

97 100

99 63.9 51.3 76.9

61 39.1 31.8 47.8





#32

Carbon tetrachloride

Concen: 27.017 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VW017071.D

Acq: 03 Nov 2020 20:14

Instrument :

MSVOA_W

ClientSampled :

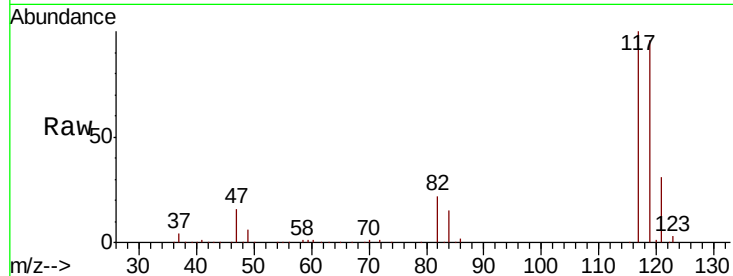
VSTD02512

Tot Ion:117 Resp: 225469

Ion Ratio Lower Upper

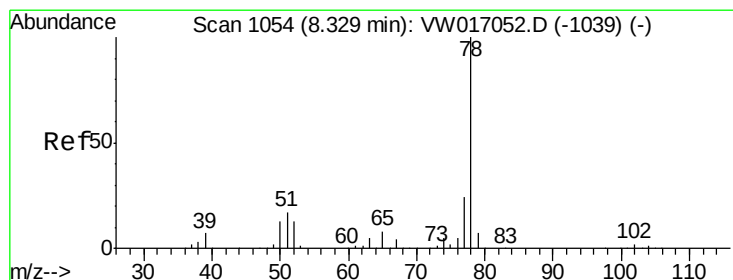
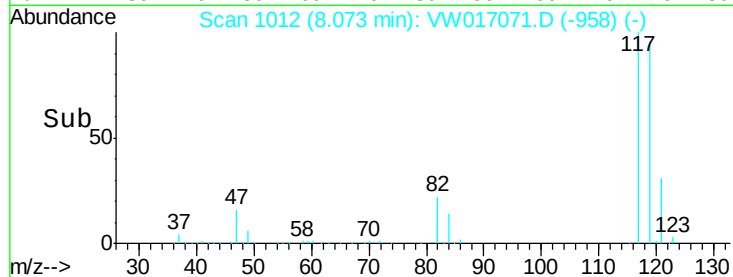
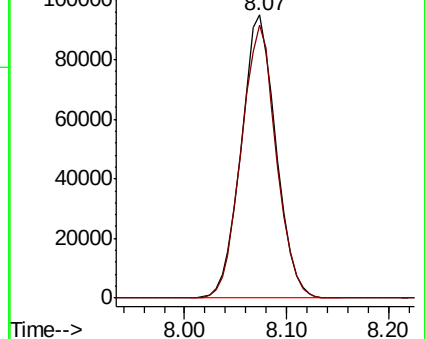
117 100

119 96.6 78.0 117.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 27.219 ug/L

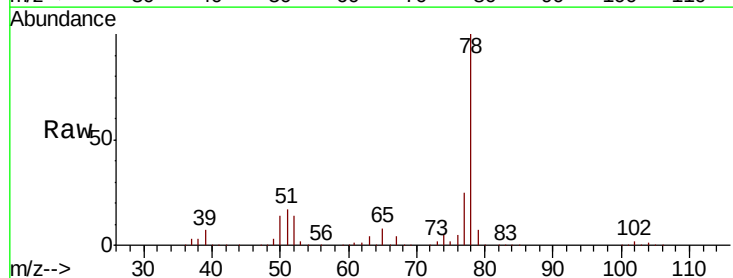
RT: 8.33 min Scan# 1054

Delta R.T. -0.00 min

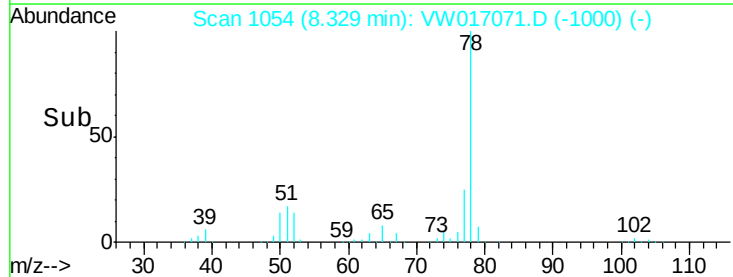
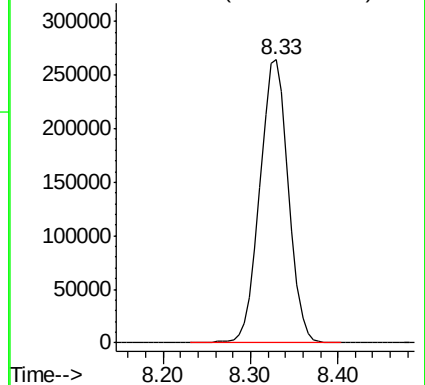
Lab File: VW017071.D

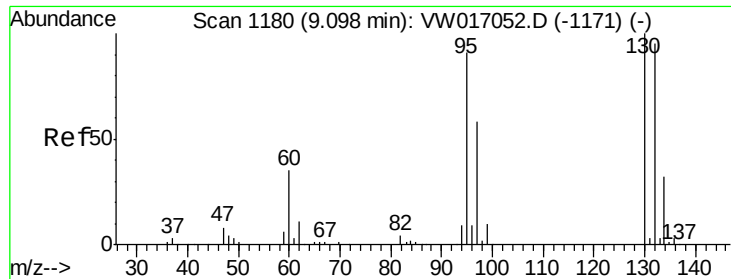
Acq: 03 Nov 2020 20:14

Tgt Ion: 78 Resp: 603850



Abundance Ion 78.00 (77.70 to 78.70): VW

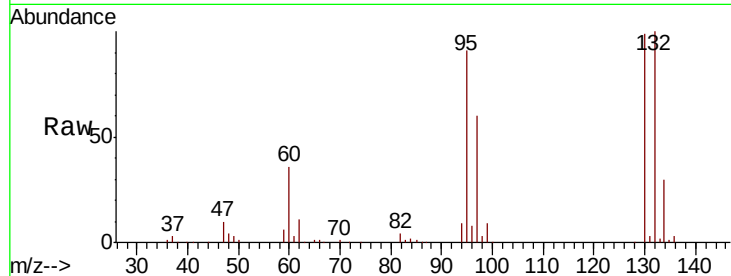




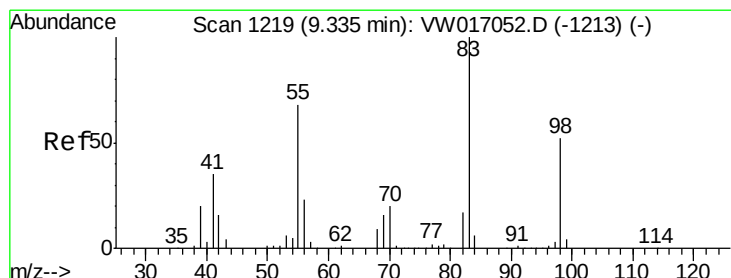
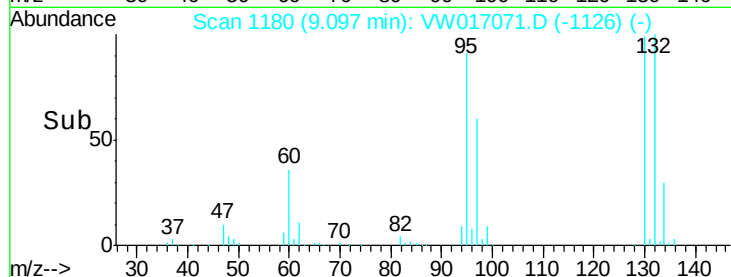
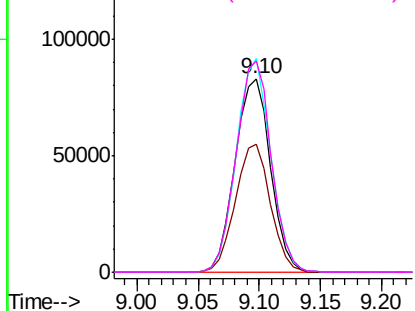
#35
 Trichloroethene
 Concen: 27.171 ug/L
 RT: 9.10 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VW017071.D
 Acq: 03 Nov 2020 20:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02512

Tot Ion: 95 Resp: 166949
 Ion Ratio Lower Upper
 95 100
 97 65.5 46.0 85.4
 132 107.1 73.9 137.3
 130 108.3 77.6 144.2

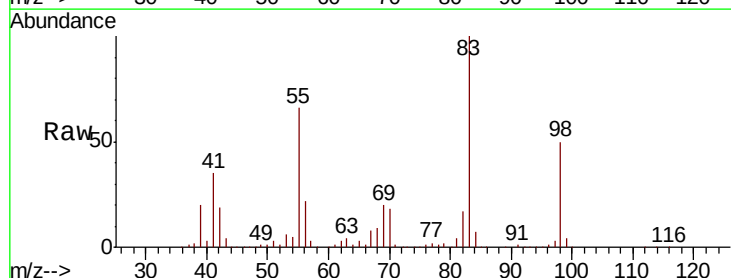


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

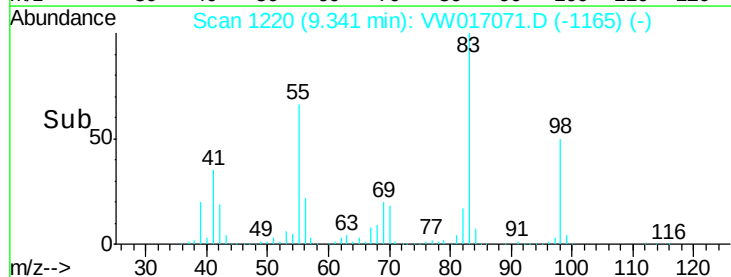
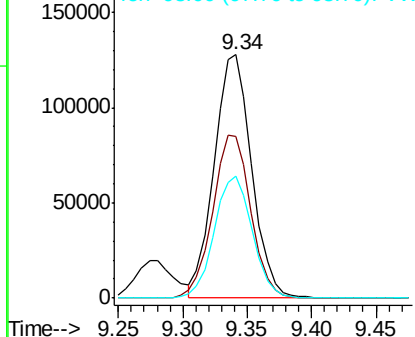


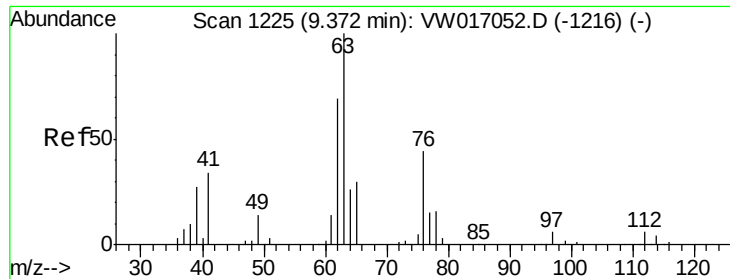
#36
 Methylcyclohexane
 Concen: 25.281 ug/L
 RT: 9.34 min Scan# 1220
 Delta R.T. 0.01 min
 Lab File: VW017071.D
 Acq: 03 Nov 2020 20:14

Tgt Ion: 83 Resp: 260874
 Ion Ratio Lower Upper
 83 100
 55 68.2 54.5 81.7
 98 50.8 40.8 61.2



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

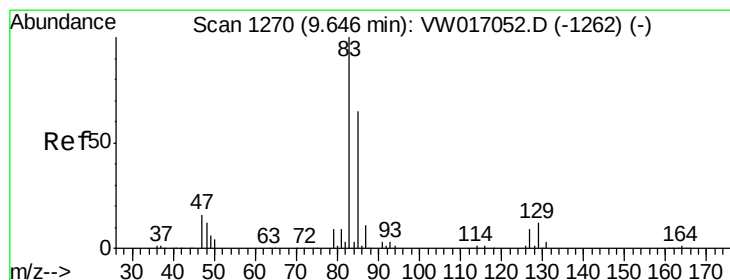
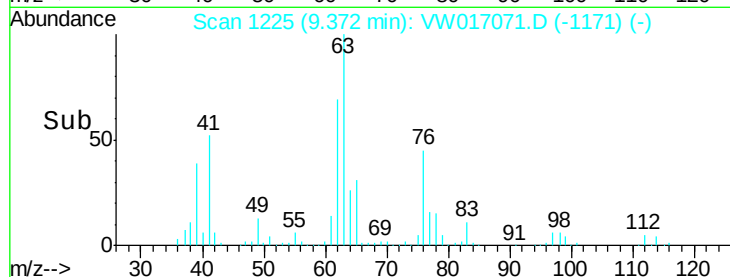
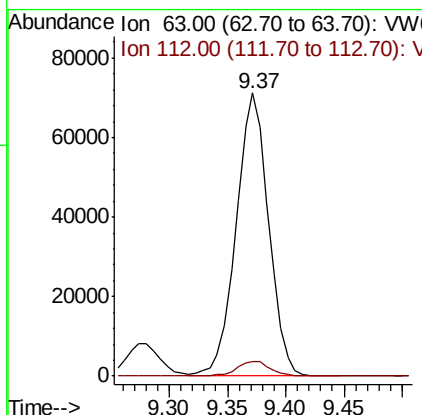
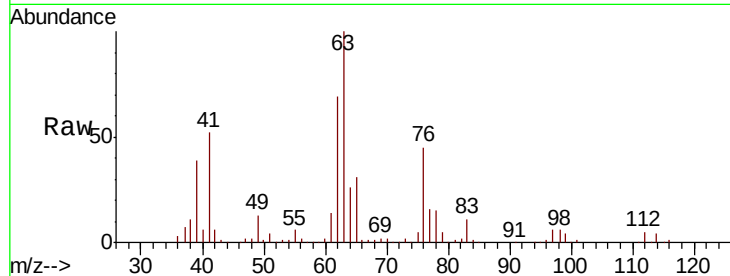




#40
 1,2-Dichloropropane
 Concen: 27.967 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW017071.D
 Acq: 03 Nov 2020 20:14

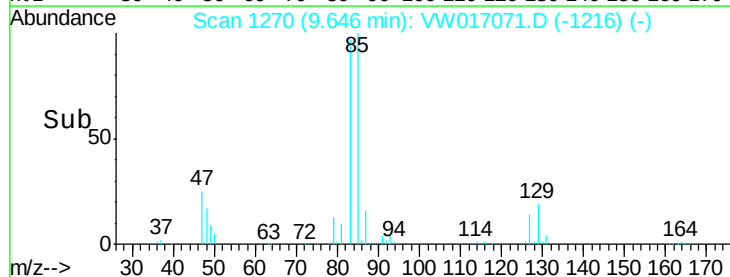
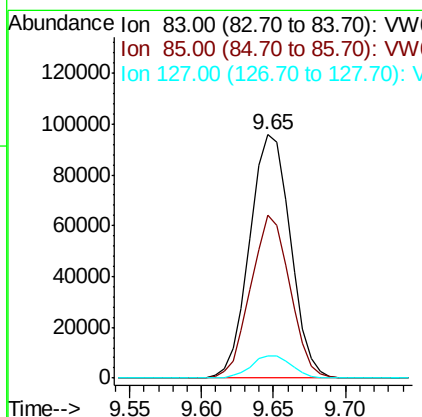
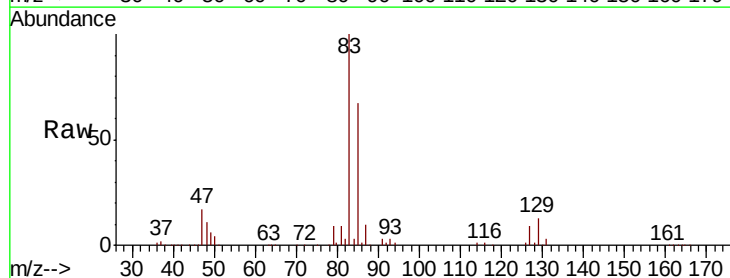
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02512

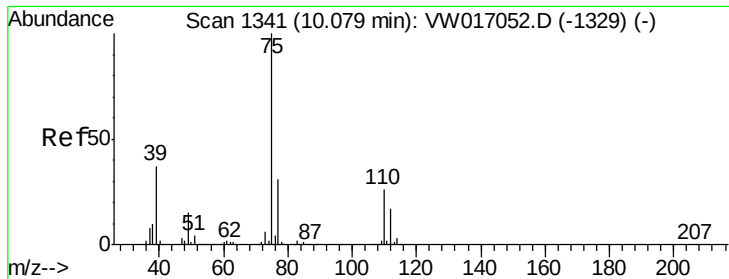
Tot Ion: 63 Resp: 138566
 Ion Ratio Lower Upper
 63 100
 112 5.4 4.5 6.7



#41
 Bromodichloromethane
 Concen: 27.973 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW017071.D
 Acq: 03 Nov 2020 20:14

Tgt Ion: 83 Resp: 188109
 Ion Ratio Lower Upper
 83 100
 85 66.9 45.1 83.9
 127 9.3 7.8 11.6





#42

cis-1,3-Dichloropropene

Concen: 27.180 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.01 min

Lab File: VW017071.D

Acq: 03 Nov 2020 20:14

Instrument :

MSVOA_W

ClientSampleId :

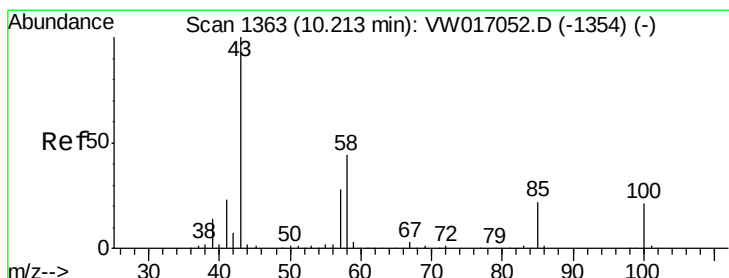
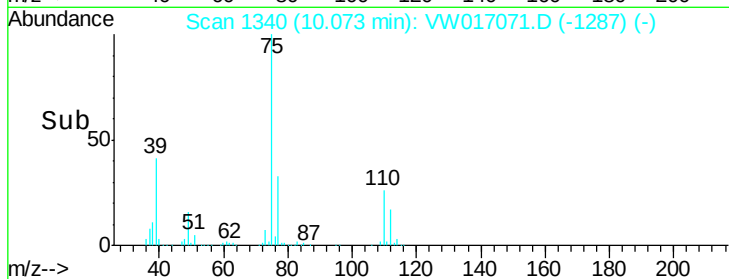
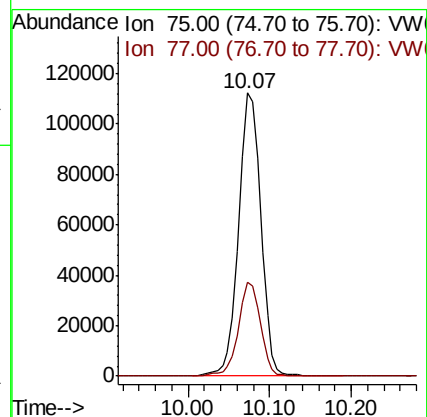
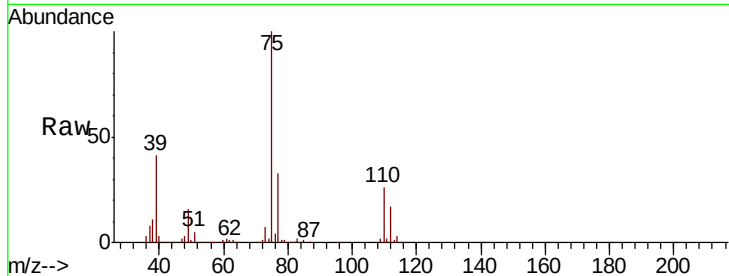
VSTD02512

Tot Ion: 75 Resp: 210578

Ion Ratio Lower Upper

75 100

77 33.2 22.7 42.1



#43

4-Methyl-2-pentanone

Concen: 50.739 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW017071.D

Acq: 03 Nov 2020 20:14

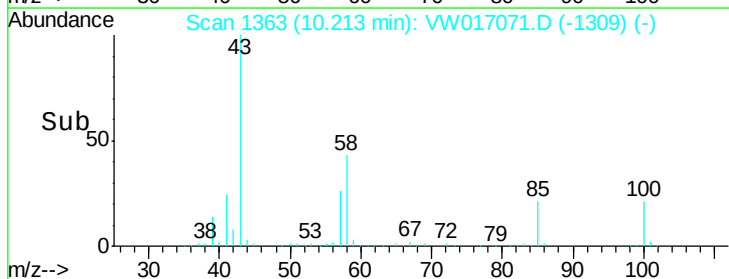
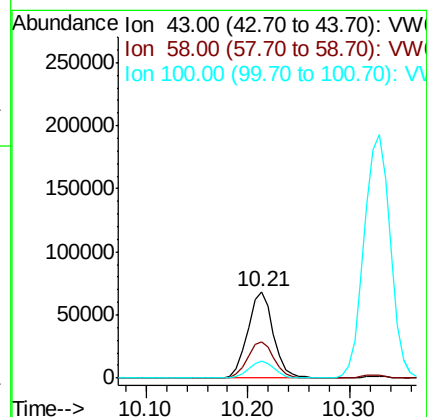
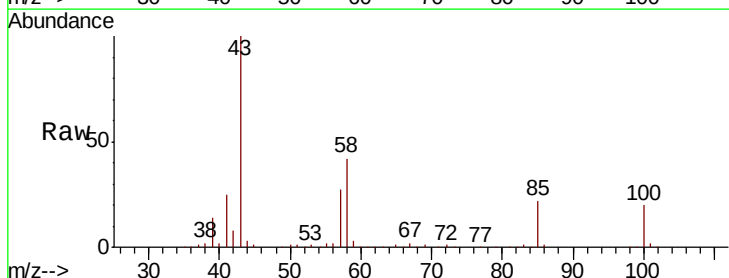
Tgt Ion: 43 Resp: 119163

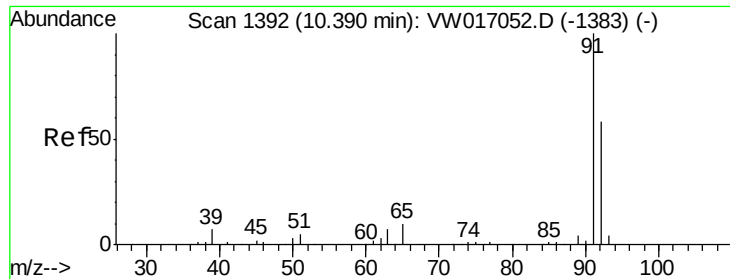
Ion Ratio Lower Upper

43 100

58 43.3 34.4 51.6

100 20.1 16.2 24.2





#44

Toluene

Concen: 28.025 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW017071.D

Acq: 03 Nov 2020 20:14

Instrument :

MSVOA_W

ClientSampleId :

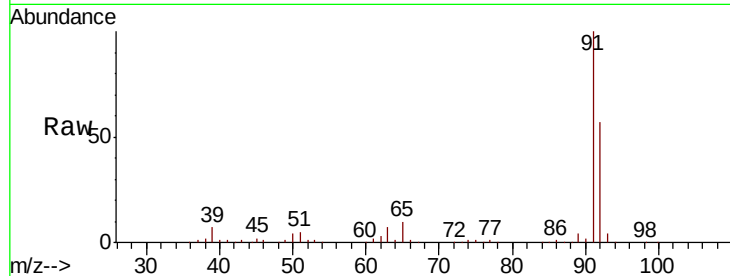
VSTD02512

Tot Ion: 91 Resp: 673624

Ion Ratio Lower Upper

91 100

92 56.8 40.1 74.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.39

400000

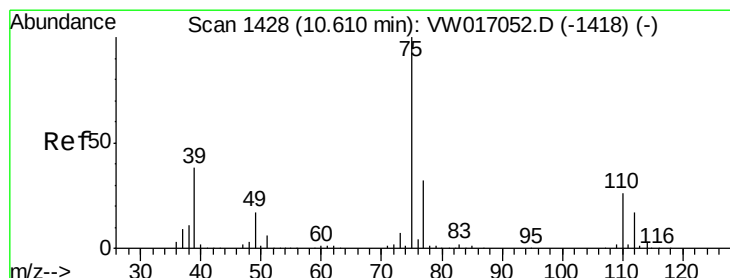
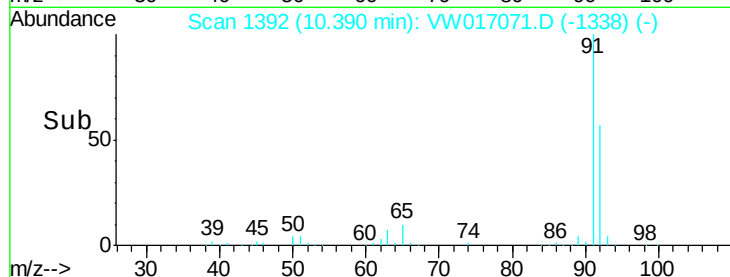
300000

200000

100000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 27.646 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW017071.D

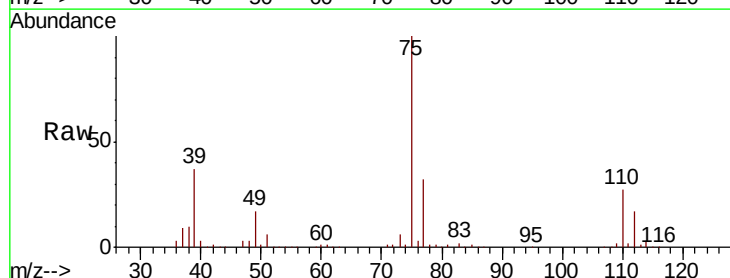
Acq: 03 Nov 2020 20:14

Tgt Ion: 75 Resp: 177431

Ion Ratio Lower Upper

75 100

77 32.2 22.7 42.3



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.61

120000

100000

80000

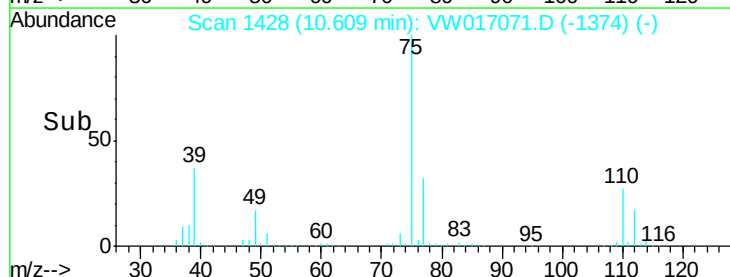
60000

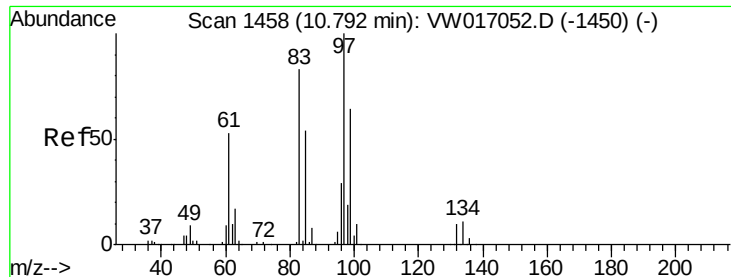
40000

20000

0

Time-->

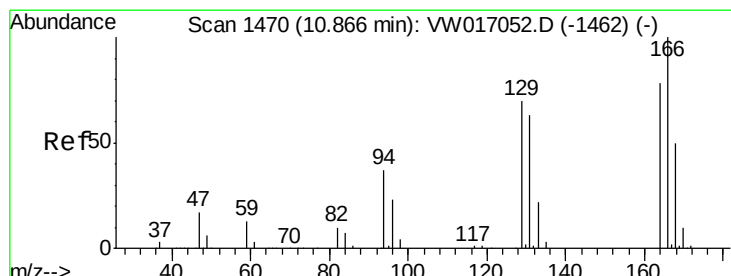
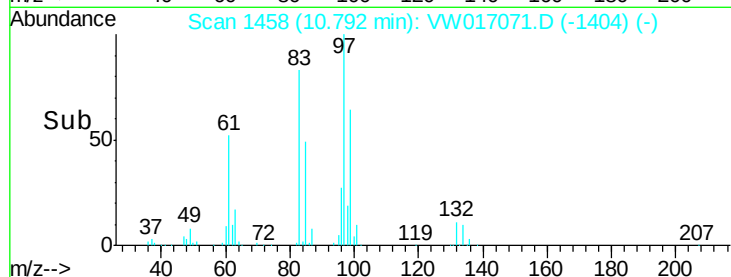
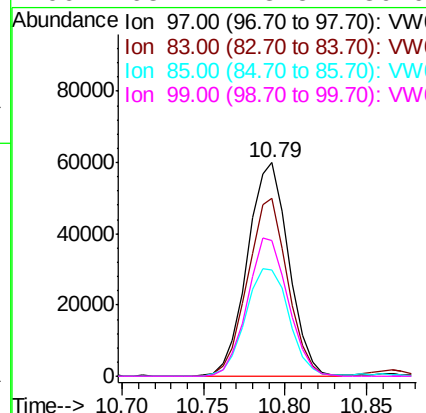
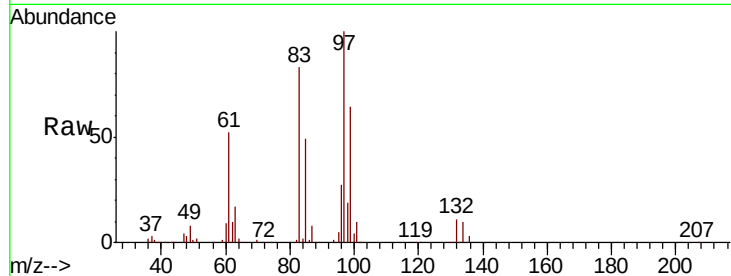




#46
 1,1,2-Trichloroethane
 Concen: 26.581 ug/L
 RT: 10.79 min Scan# 1458
 Delta R.T. -0.00 min
 Lab File: VW017071.D
 Acq: 03 Nov 2020 20:14

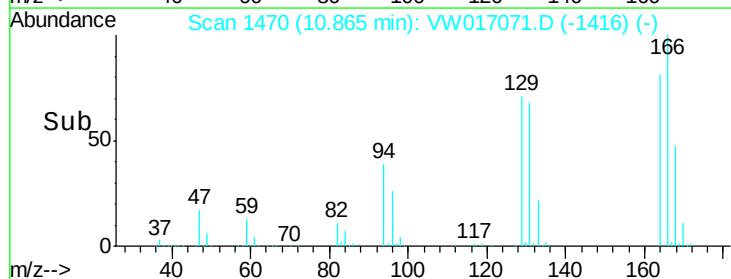
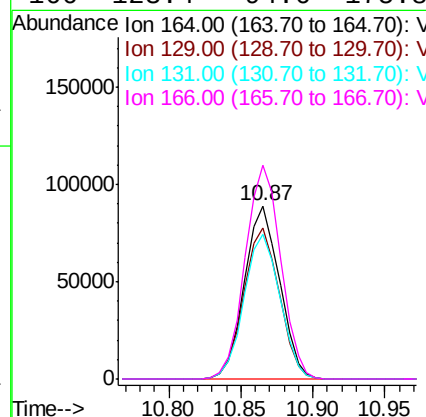
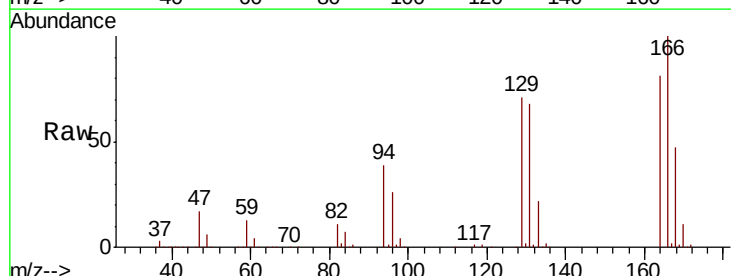
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02512

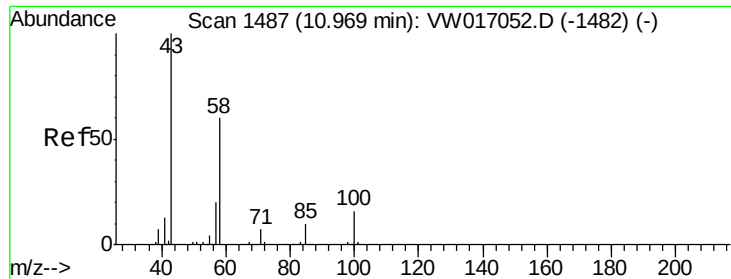
Tot Ion: 97 Resp: 105414
 Ion Ratio Lower Upper
 97 100
 83 83.1 56.6 105.0
 85 49.5 34.6 64.3
 99 63.7 43.5 80.9



#47
 Tetrachloroethene
 Concen: 26.683 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. -0.00 min
 Lab File: VW017071.D
 Acq: 03 Nov 2020 20:14

Tgt Ion: 164 Resp: 150810
 Ion Ratio Lower Upper
 164 100
 129 87.3 64.0 119.0
 131 83.7 61.7 114.5
 166 123.4 94.6 175.8

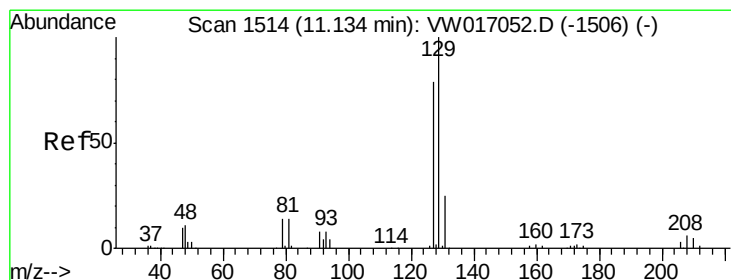
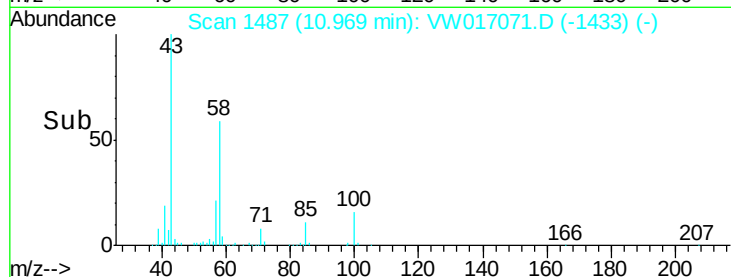
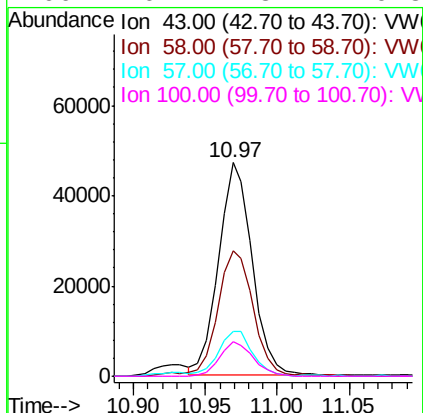
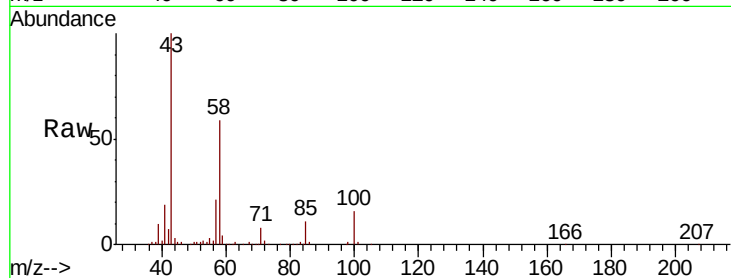




#49
2-Hexanone
Concen: 51.564 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW017071.D
Acq: 03 Nov 2020 20:14

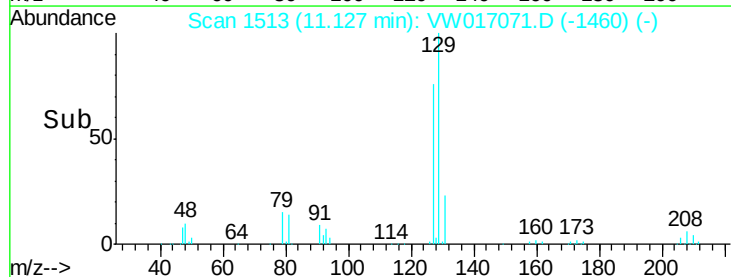
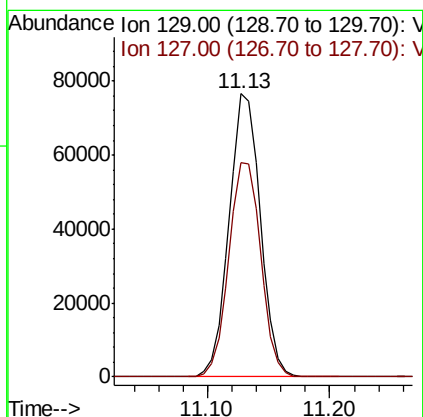
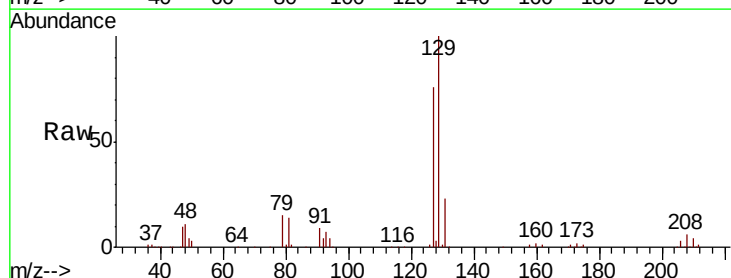
Instrument :
MSVOA_W
ClientSampleId :
VSTD02512

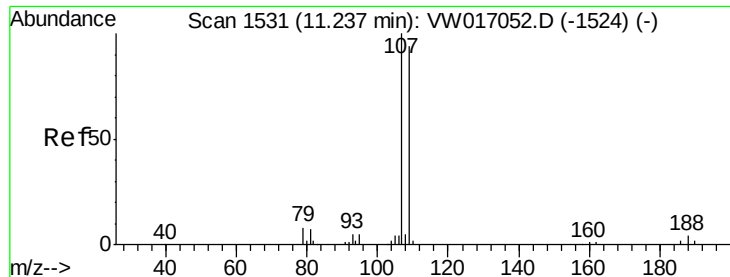
Tot Ion: 43 Resp: 77179
Ion Ratio Lower Upper
43 100
58 59.9 49.2 73.8
57 21.5 17.0 25.4
100 16.4 13.2 19.8



#50
Dibromochloromethane
Concen: 27.989 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VW017071.D
Acq: 03 Nov 2020 20:14

Tgt Ion: 129 Resp: 135219
Ion Ratio Lower Upper
129 100
127 75.8 55.4 102.8





#51

1,2-Dibromoethane

Concen: 26.368 ug/L

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW017071.D

Acq: 03 Nov 2020 20:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD02512

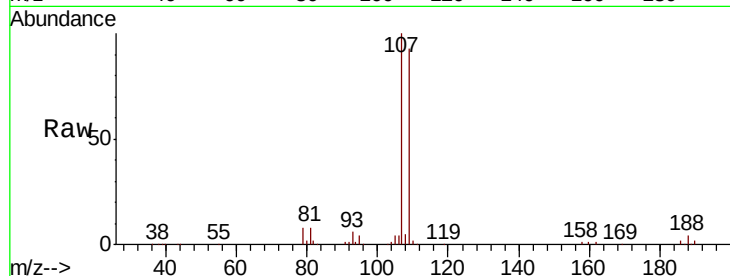
Tot Ion:107 Resp: 99695

Ion Ratio Lower Upper

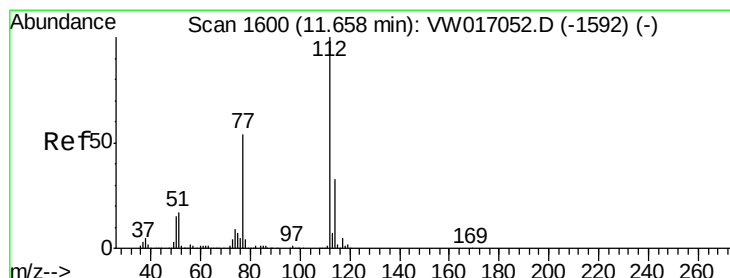
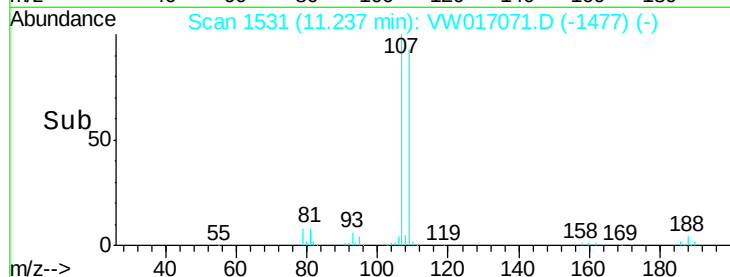
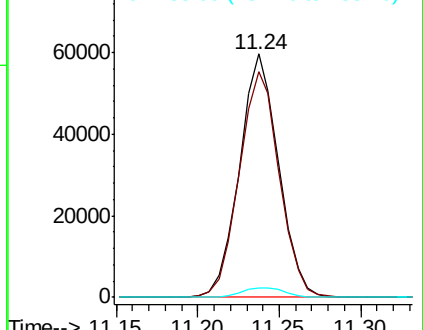
107 100

109 92.9 65.7 121.9

188 4.0 3.1 4.7



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 27.433 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW017071.D

Acq: 03 Nov 2020 20:14

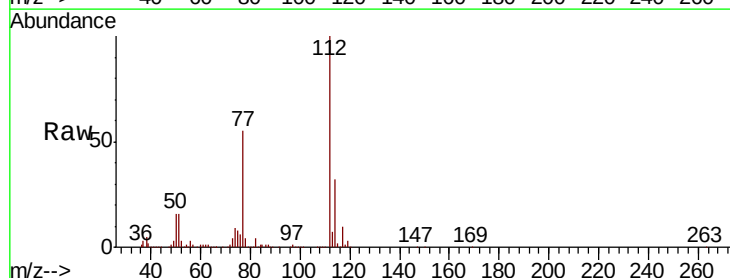
Tgt Ion:112 Resp: 440797

Ion Ratio Lower Upper

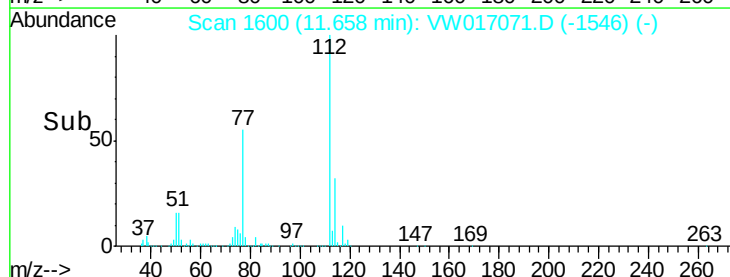
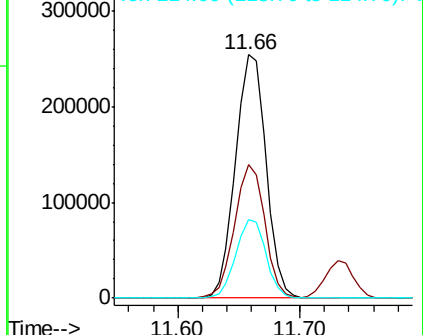
112 100

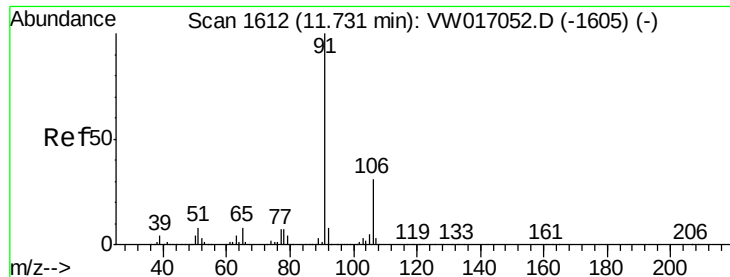
77 54.6 42.5 63.7

114 32.1 22.3 41.3



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 77.00 (76.70 to 77.70): V
Ion 114.00 (113.70 to 114.70): V

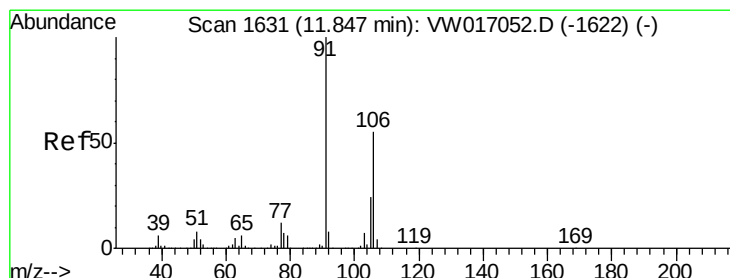
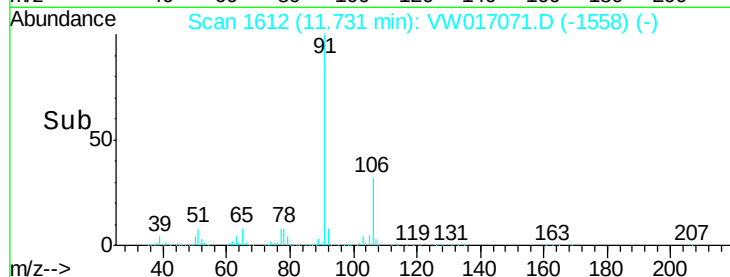
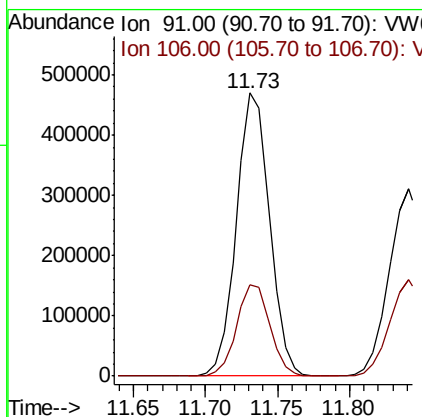
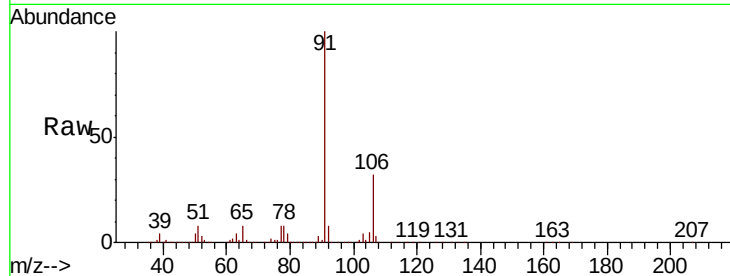




#53
Ethylbenzene
Concen: 27.909 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW017071.D
Acq: 03 Nov 2020 20:14

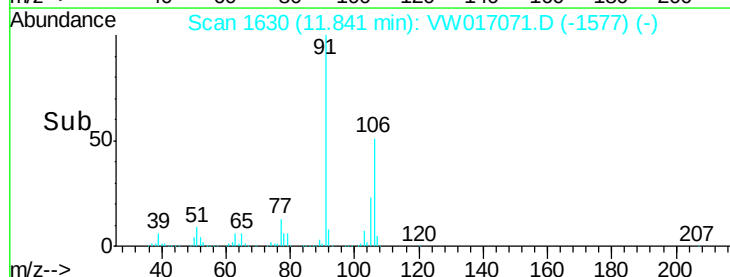
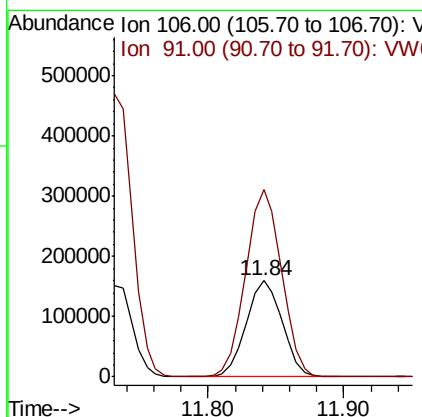
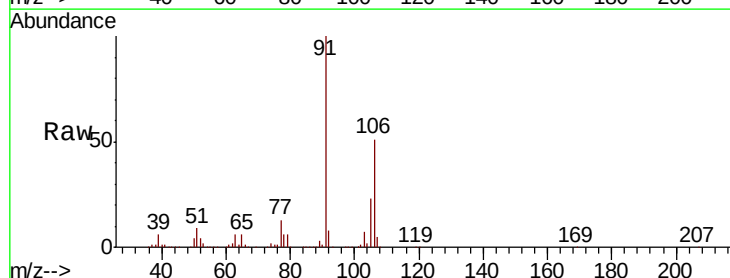
Instrument :
MSVOA_W
ClientSampleId :
VSTD02512

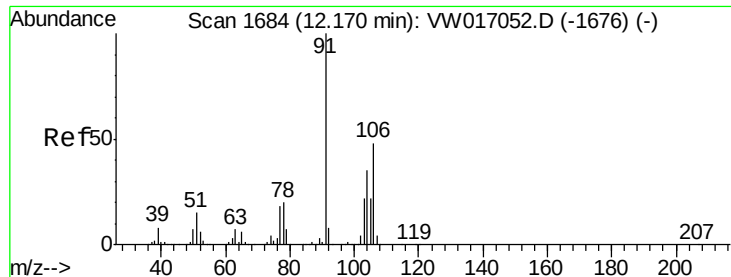
Tot Ion: 91 Resp: 753383
Ion Ratio Lower Upper
91 100
106 32.2 22.5 41.7



#54
m,p-Xylene
Concen: 27.968 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW017071.D
Acq: 03 Nov 2020 20:14

Tgt Ion: 106 Resp: 297022
Ion Ratio Lower Upper
106 100
91 195.2 134.2 249.2





#55

o-xylene

Concen: 28.592 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VW017071.D

Acq: 03 Nov 2020 20:14

Instrument :

MSVOA_W

ClientSampled :

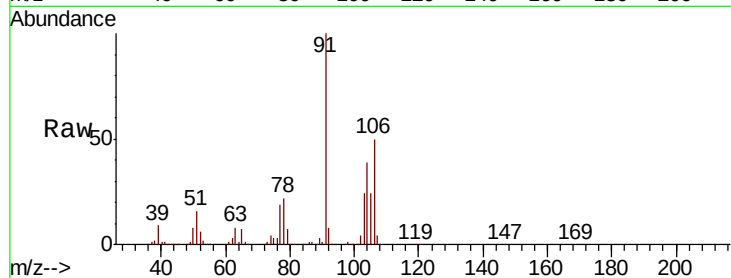
VSTD02512

Tot Ion:106 Resp: 281272

Ion Ratio Lower Upper

106 100

91 201.0 150.9 280.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

400000

300000

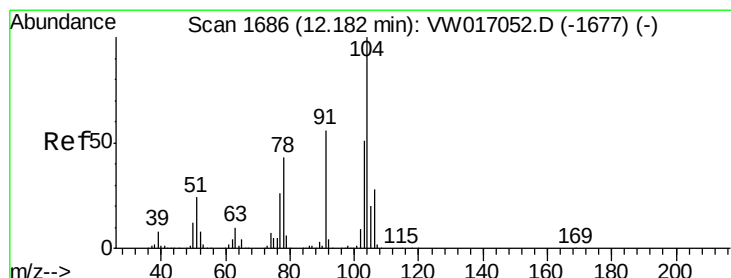
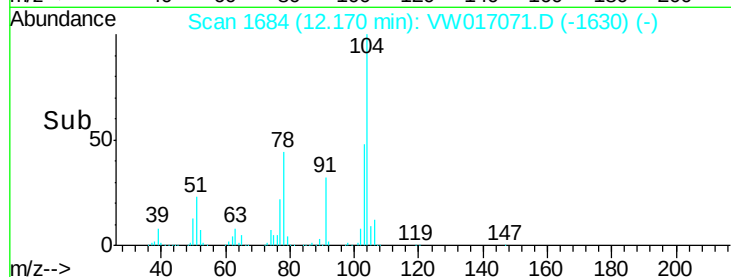
200000

100000

0

12.10 12.20

Time-->



#56

Styrene

Concen: 28.483 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW017071.D

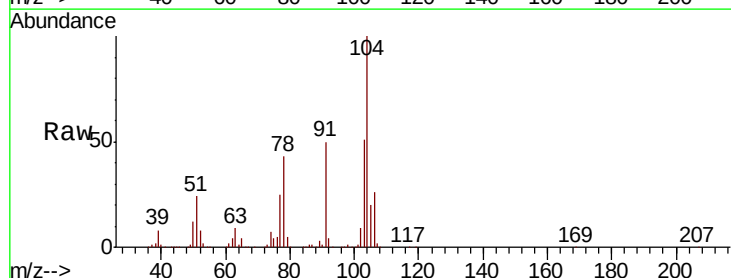
Acq: 03 Nov 2020 20:14

Tgt Ion:104 Resp: 468759

Ion Ratio Lower Upper

104 100

78 43.3 29.3 54.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

300000

250000

200000

150000

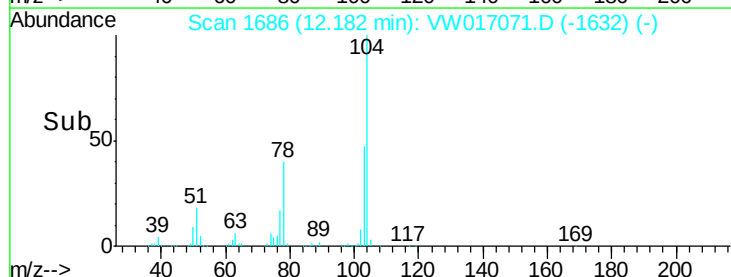
100000

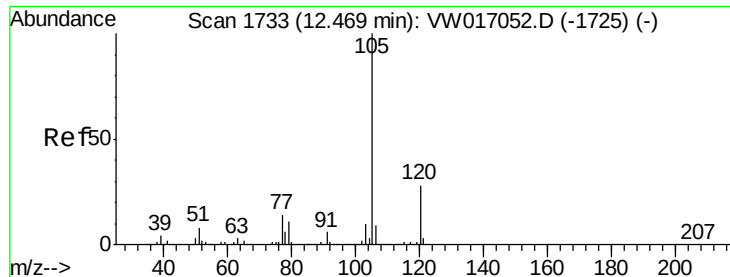
50000

0

12.10 12.20

Time-->





#57

Isopropylbenzene

Concen: 27.974 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW017071.D

Acq: 03 Nov 2020 20:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD02512

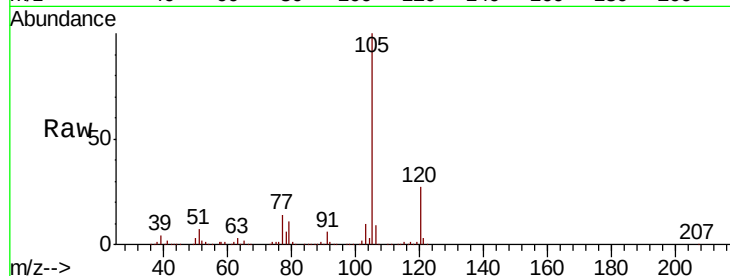
Tot Ion:105 Resp: 761199

Ion Ratio Lower Upper

105 100

120 27.1 21.4 32.2

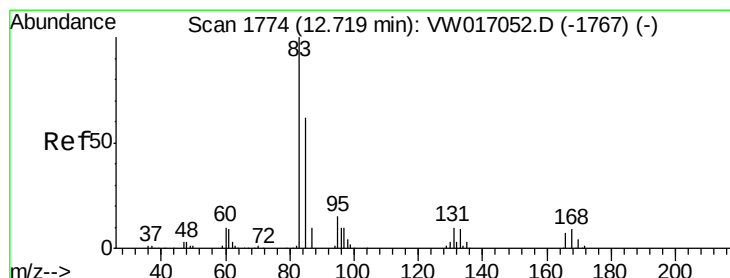
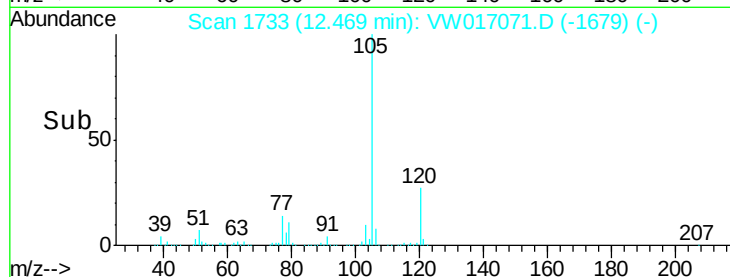
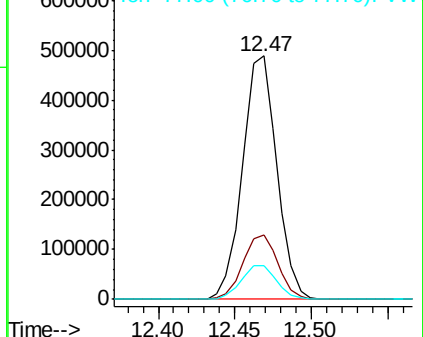
77 14.4 11.4 17.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 26.629 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW017071.D

Acq: 03 Nov 2020 20:14

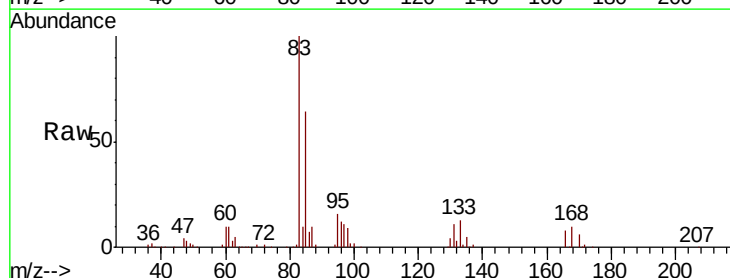
Tgt Ion: 83 Resp: 113349

Ion Ratio Lower Upper

83 100

85 63.9 45.1 83.7

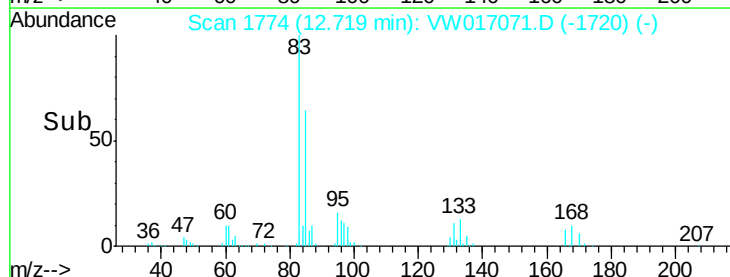
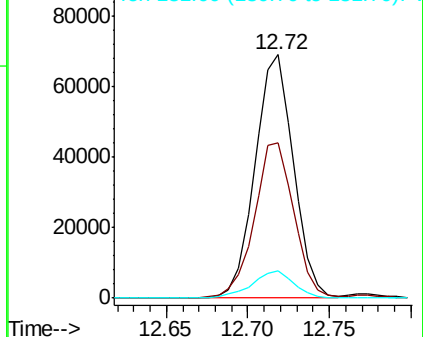
131 11.3 9.1 13.7

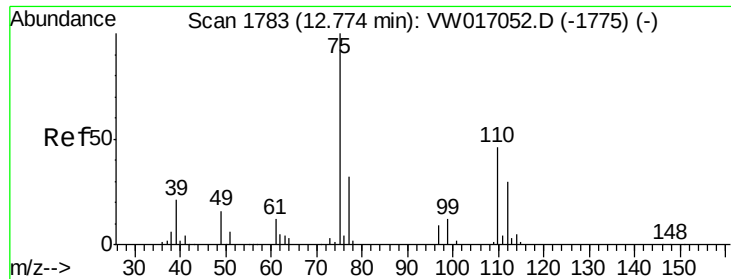


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

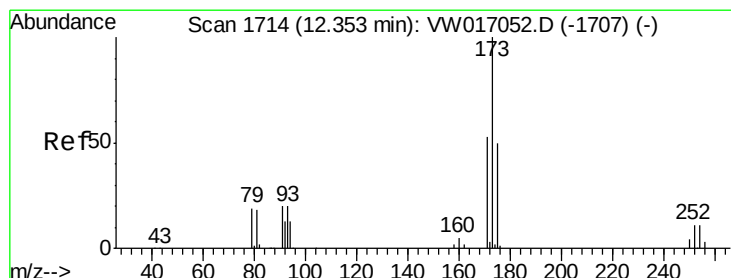
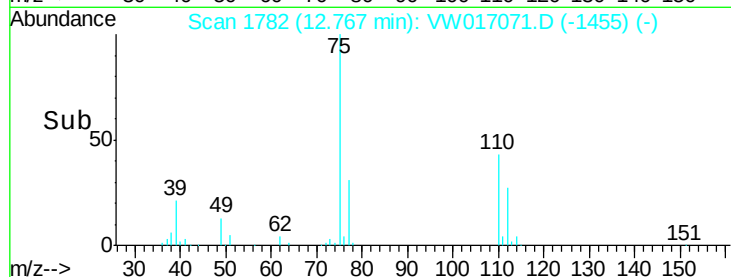
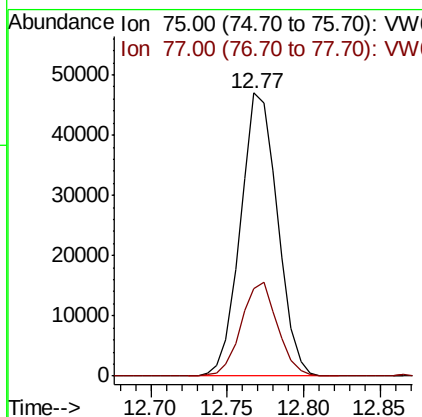
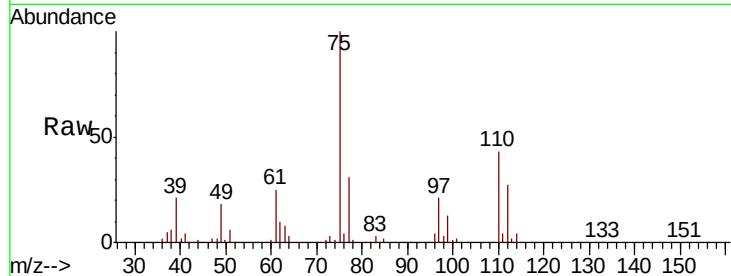




#59
 1,2,3-Trichloropropane
 Concen: 25.977 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.01 min
 Lab File: VW017071.D
 Acq: 03 Nov 2020 20:14

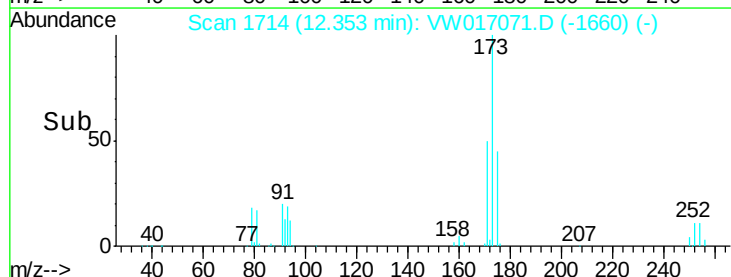
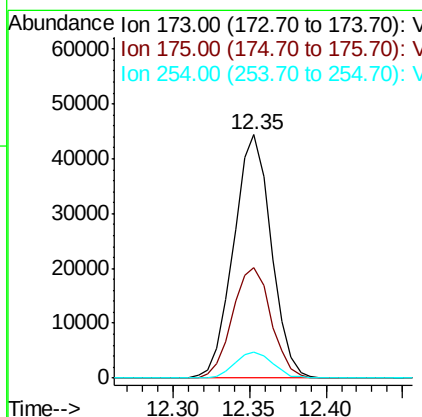
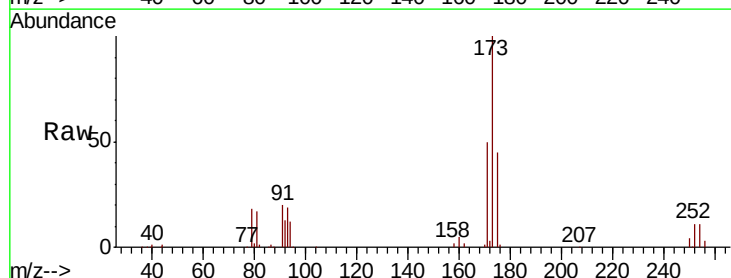
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02512

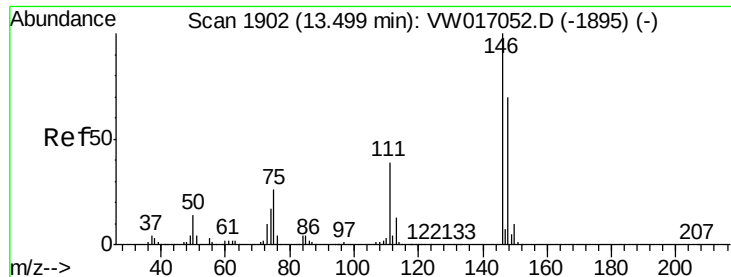
Tot Ion: 75 Resp: 79130
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.8 38.8



#62
 Bromoform
 Concen: 25.908 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. -0.00 min
 Lab File: VW017071.D
 Acq: 03 Nov 2020 20:14

Tgt Ion: 173 Resp: 75797
 Ion Ratio Lower Upper
 173 100
 175 46.7 38.3 57.5
 254 10.7 7.8 11.6

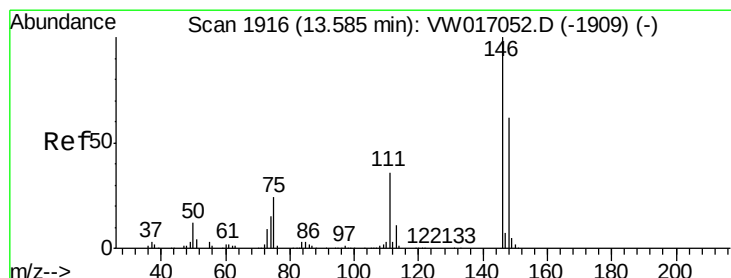
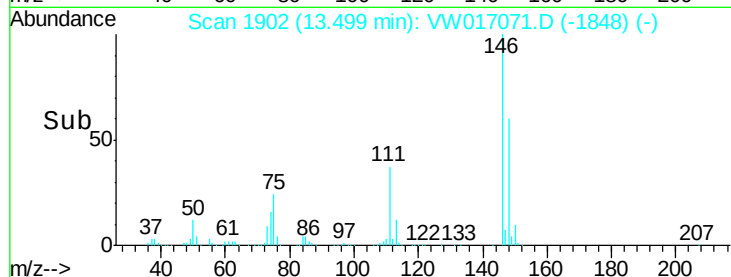
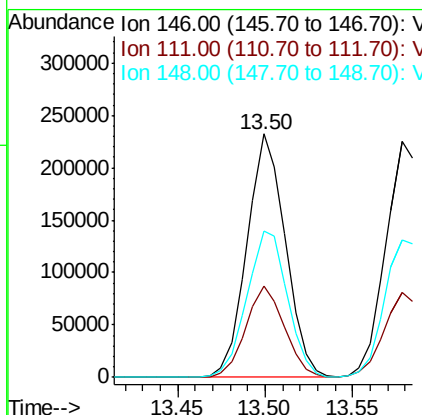
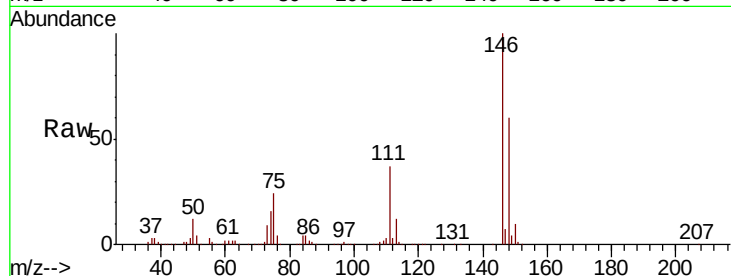




#63
 1,3-Dichlorobenzene
 Concen: 26.420 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW017071.D
 Acq: 03 Nov 2020 20:14

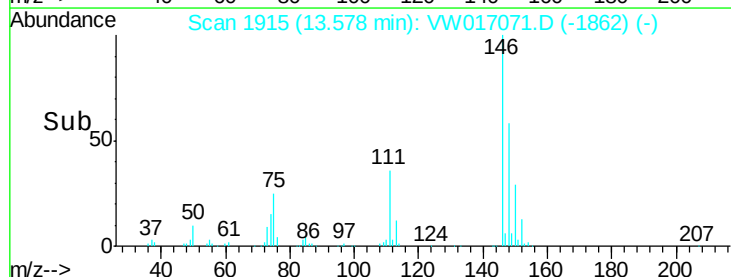
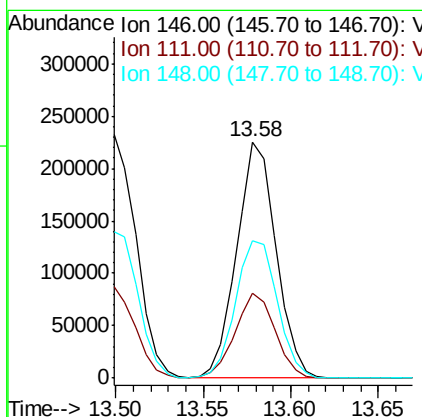
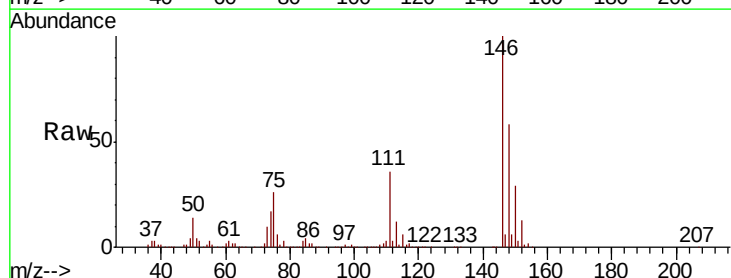
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02512

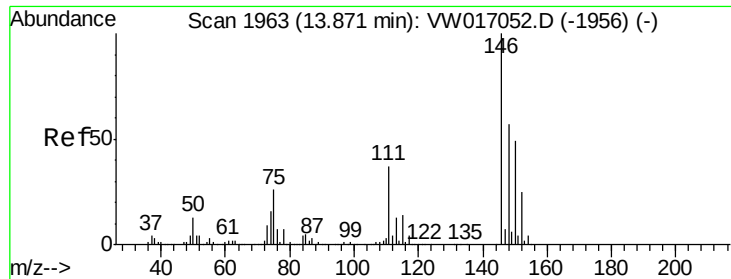
Tot Ion:146 Resp: 354923
 Ion Ratio Lower Upper
 146 100
 111 37.3 25.5 47.3
 148 60.1 43.1 80.1



#64
 1,4-Dichlorobenzene
 Concen: 26.461 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.01 min
 Lab File: VW017071.D
 Acq: 03 Nov 2020 20:14

Tgt Ion:146 Resp: 354357
 Ion Ratio Lower Upper
 146 100
 111 35.9 25.7 47.7
 148 58.3 44.3 82.3

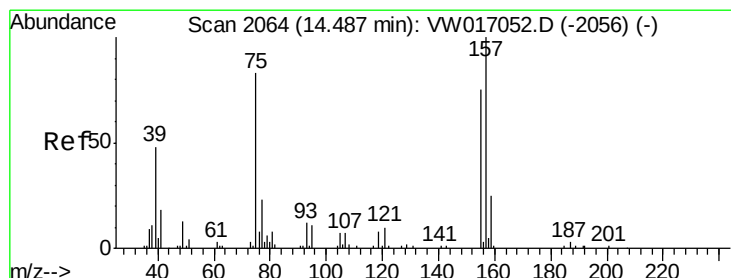
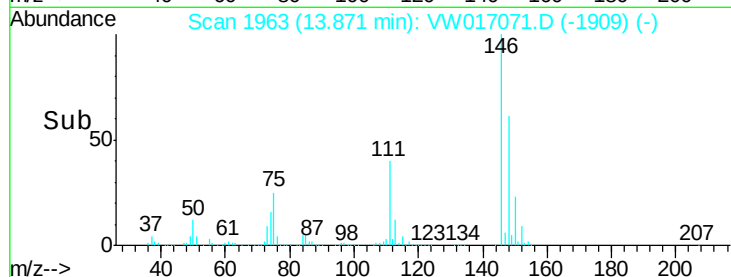
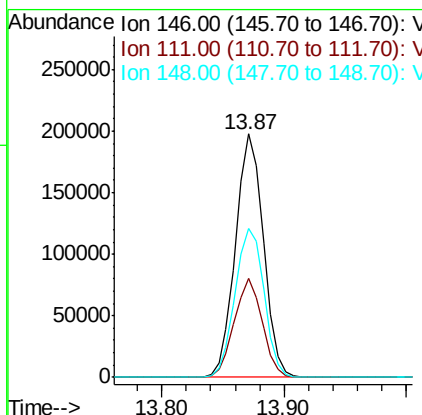
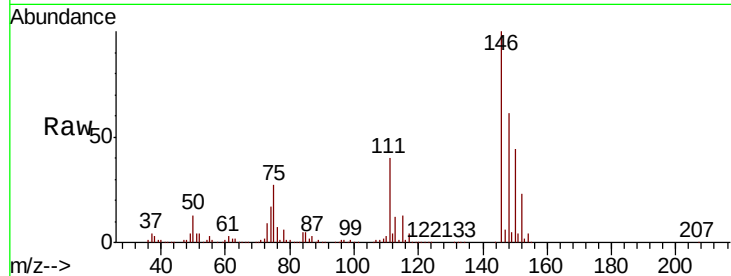




#65
 1,2-Dichlorobenzene
 Concen: 26.355 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW017071.D
 Acq: 03 Nov 2020 20:14

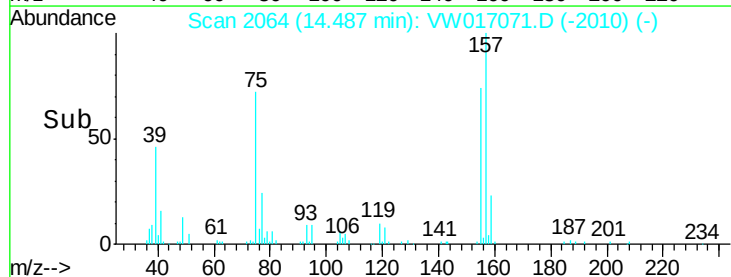
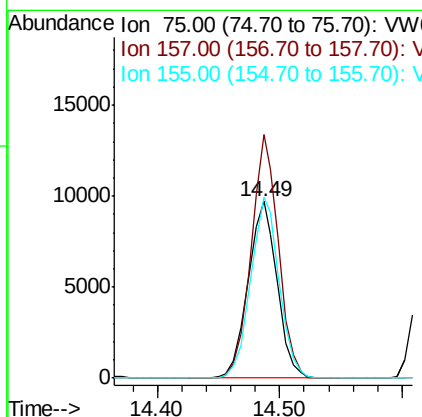
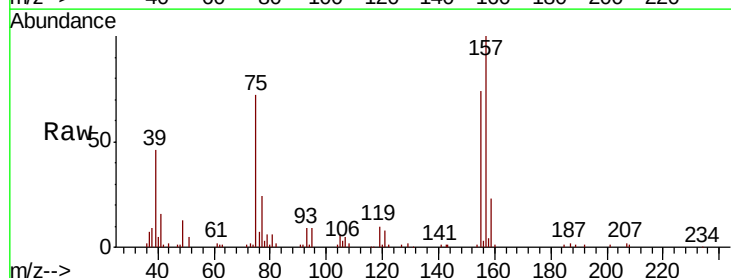
Instrument :
 MSVOA_W
 ClientSampleID :
 VSTD02512

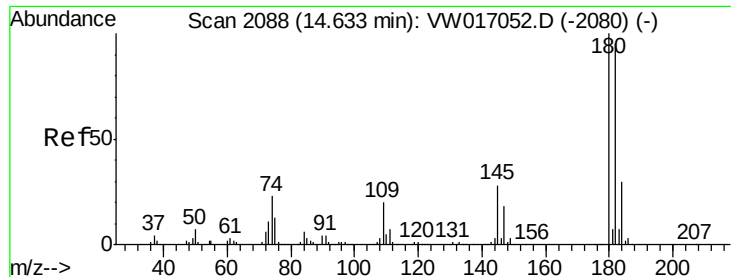
Tot Ion:146 Resp: 312328
 Ion Ratio Lower Upper
 146 100
 111 40.5 31.4 47.0
 148 61.0 47.7 71.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 24.704 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW017071.D
 Acq: 03 Nov 2020 20:14

Tgt Ion: 75 Resp: 15926
 Ion Ratio Lower Upper
 75 100
 157 138.0 102.5 153.7
 155 102.6 80.3 120.5

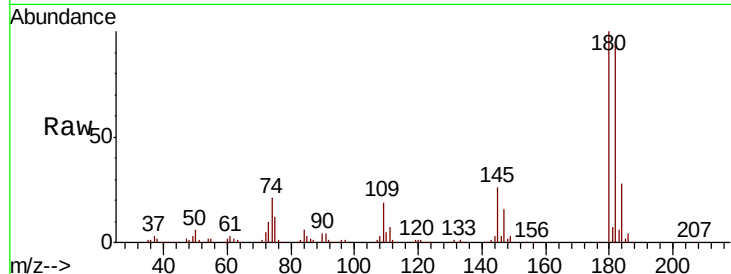




#67
 1,3,5-Trichlorobenzene
 Concen: 25.837 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW017071.D
 Acq: 03 Nov 2020 20:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02512

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.8	77.4	116.0
184	31.2	24.8	37.2
145	28.0	23.4	35.2



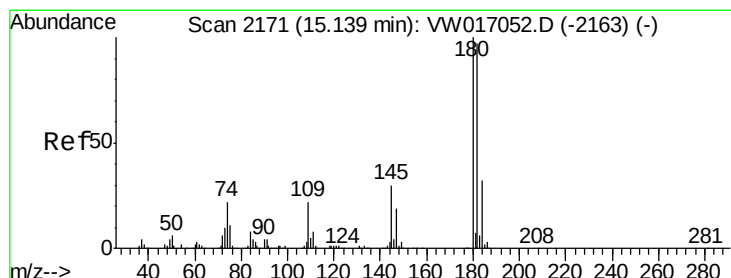
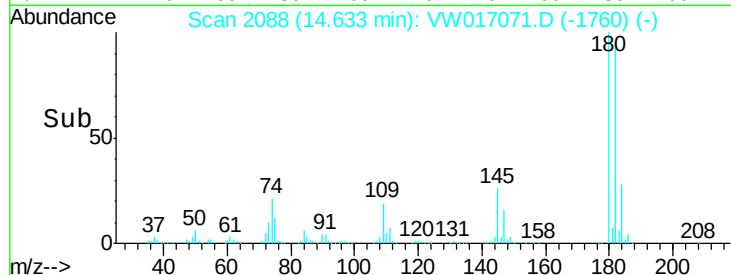
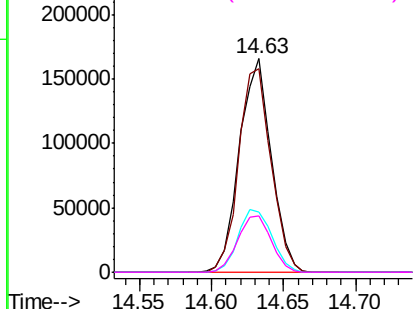
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

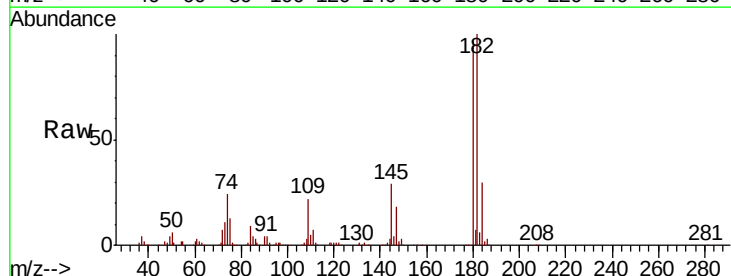
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 25.753 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW017071.D
 Acq: 03 Nov 2020 20:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.1	76.6	114.8
145	29.4	23.4	35.0

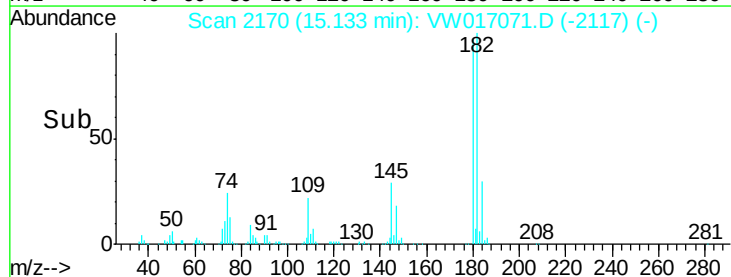
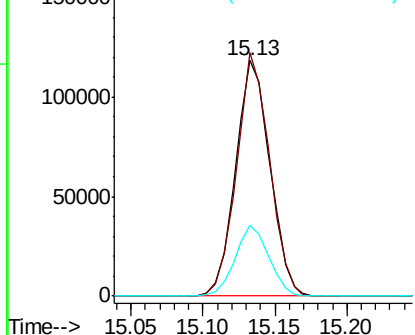


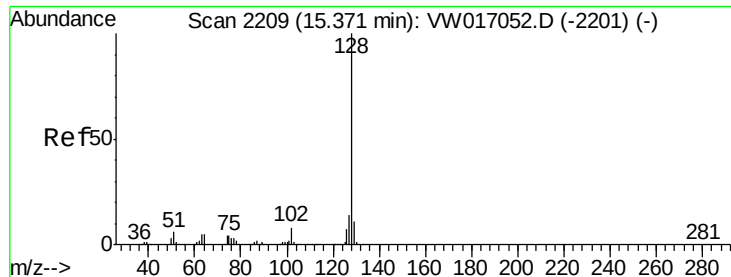
Abundance

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: 26.481 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW017071.D

Acq: 03 Nov 2020 20:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD02512

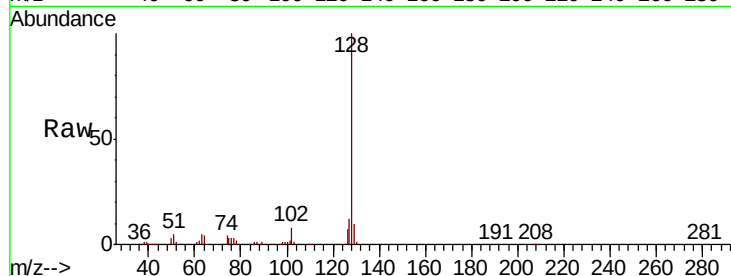
Tot Ion:128 Resp: 327366

Ion Ratio Lower Upper

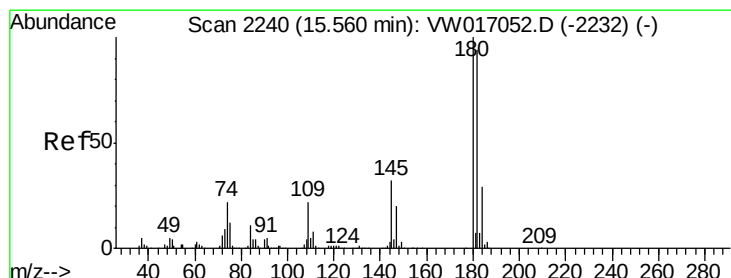
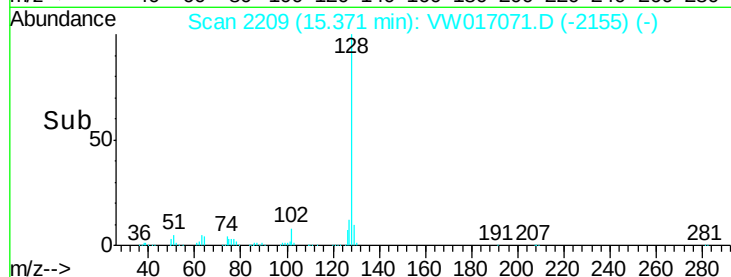
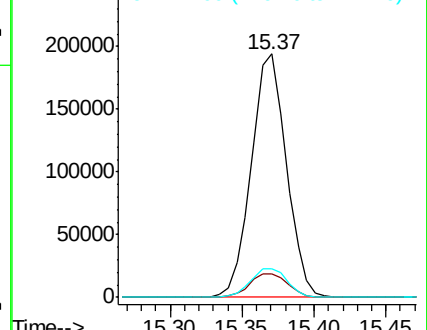
128 100

129 10.7 8.6 12.8

127 12.6 10.0 15.0



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: 25.997 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW017071.D

Acq: 03 Nov 2020 20:14

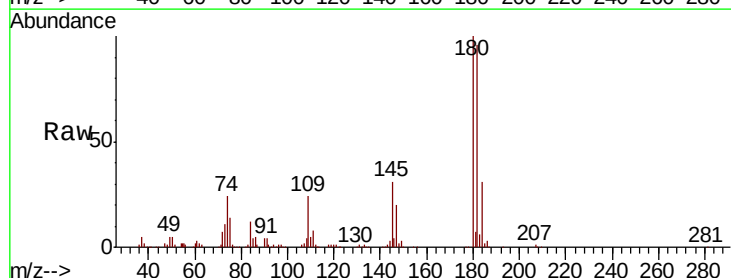
Tgt Ion:180 Resp: 172660

Ion Ratio Lower Upper

180 100

182 94.8 76.8 115.2

145 31.4 25.4 38.2



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

