

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110420\
 Data File : VW017075.D
 Acq On : 04 Nov 2020 14:30
 Operator : SY/VA
 Sample : VSTD00505
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00505

Quant Time: Nov 04 15:56:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 04 15:48:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	523228	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	487933	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	241649	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	28016	4.33	ug/L	0.00
7) Chloroethane-d5	2.89	69	22548	4.53	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.03	63	53991	4.44	ug/L	0.00
20) 2-Butanone-d5	7.09	46	12664	10.04	ug/L	0.00
24) Chloroform-d	7.65	84	55793	4.43	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	27823	4.61	ug/L	0.00
29) Benzene-d6	8.28	84	110159	4.20	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	30580	4.30	ug/L	0.00
37) Toluene-d8	10.32	98	103923	4.22	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	12553	4.11	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	9266	8.81	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	26129	4.68	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	39340	4.42	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	24734	4.247	ug/L	98
3) Chloromethane	2.21	50	24295	4.771	ug/L	99
5) Vinyl chloride	2.37	62	36474	4.887	ug/L	98
6) Bromomethane	2.78	94	25298	4.976	ug/L	96
8) Chloroethane	2.93	64	21715	5.022	ug/L	90
9) Trichlorofluoromethane	3.26	101	27916	4.688	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	34886	4.879	ug/L #	90
12) 1,1-Dichloroethene	4.05	96	33186	4.862	ug/L	86
13) Acetone	4.13	43	8792	10.551	ug/L	97
14) Carbon disulfide	4.39	76	91731	4.529	ug/L	98
15) Methyl Acetate	4.67	43	11286	5.248	ug/L	98
16) Methylene chloride	4.92	84	37875	5.418	ug/L	92
17) Methyl tert-butyl Ether	5.43	73	38436	5.000	ug/L #	91
18) trans-1,2-Dichloroethene	5.43	96	34152	4.803	ug/L	95
19) 1,1-Dichloroethane	6.22	63	52847	4.803	ug/L	94
21) 2-Butanone	7.17	43	14533	10.563	ug/L	94
22) cis-1,2-Dichloroethene	7.17	96	34478	4.739	ug/L	96
23) Bromochloromethane	7.52	128	16659	4.887	ug/L	98
25) Chloroform	7.68	83	58335	4.949	ug/L	100
27) 1,2-Dichloroethane	8.40	62	34736	5.088	ug/L	96
30) Cyclohexane	7.96	56	44707	4.449	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	47527	4.508	ug/L	96
32) Carbon tetrachloride	8.07	117	46858	4.617	ug/L	100
34) Benzene	8.33	78	129221	4.786	ug/L	100
35) Trichloroethene	9.10	95	35953	4.827	ug/L	99
36) Methylcyclohexane	9.34	83	57180	4.618	ug/L	99
40) 1,2-Dichloropropane	9.37	63	29486	4.841	ug/L	97
41) Bromodichloromethane	9.65	83	39609	4.764	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	43014	4.504	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	34803	11.381	ug/L	98

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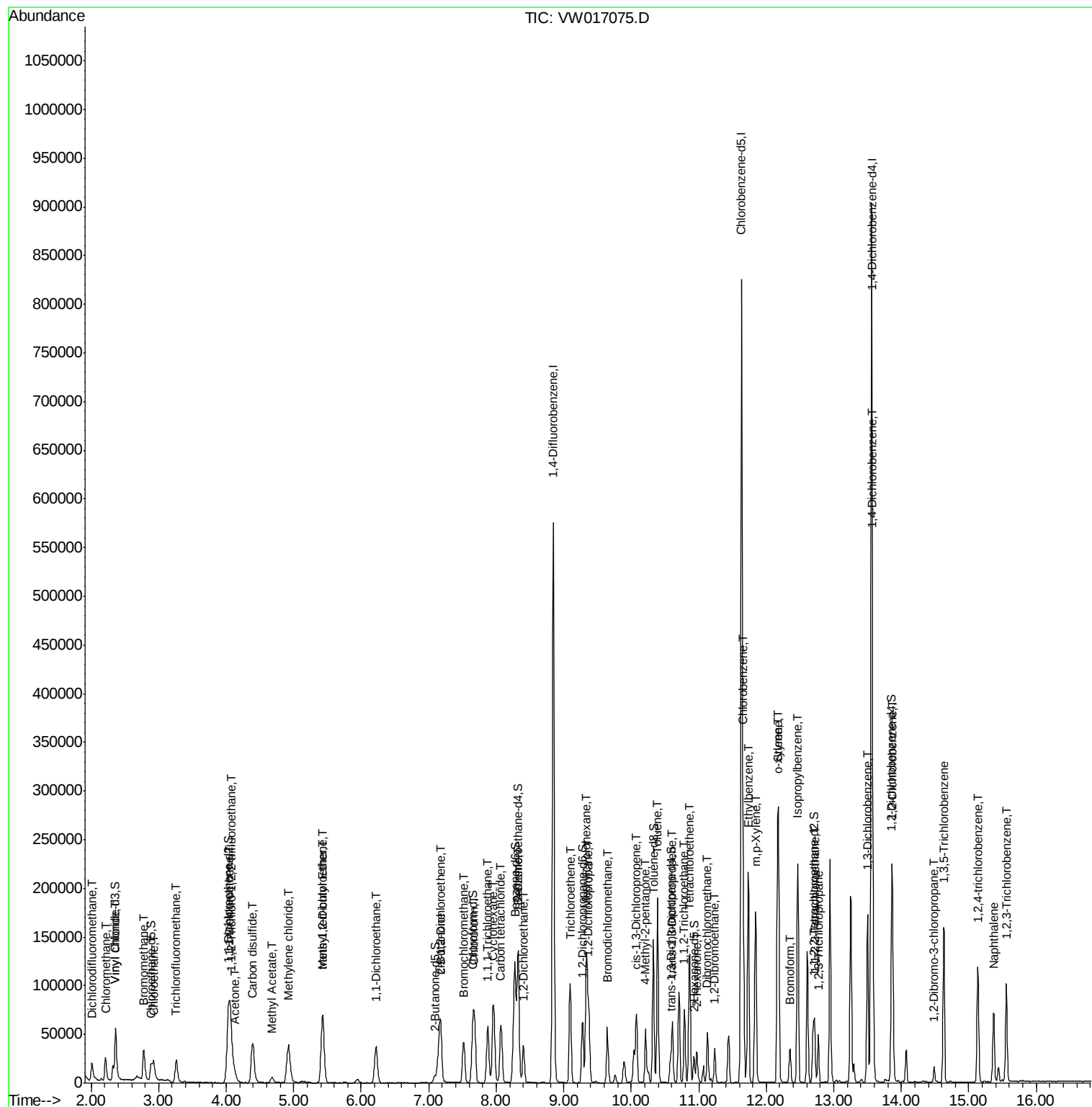
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	139433	4.764	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	36328	4.538	ug/L	95
46) 1,1,2-Trichloroethane	10.79	97	25507	5.135	ug/L	96
47) Tetrachloroethene	10.87	164	33571	4.920	ug/L	94
49) 2-Hexanone	10.97	43	19469	10.001	ug/L	94
50) Dibromochloromethane	11.13	129	29153	4.826	ug/L	99
51) 1,2-Dibromoethane	11.24	107	23400	4.894	ug/L #	97
52) Chlorobenzene	11.66	112	95060	4.837	ug/L	99
53) Ethylbenzene	11.73	91	152320	4.649	ug/L	100
54) m,p-Xylene	11.84	106	59431	4.614	ug/L	97
55) o-xylene	12.16	106	55008	4.553	ug/L	92
56) Styrene	12.18	104	92119	4.564	ug/L	99
57) Isopropylbenzene	12.47	105	151507	4.578	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	27760	5.081	ug/L	95
59) 1,2,3-Trichloropropane	12.77	75	20278	5.182	ug/L	98
62) Bromoform	12.35	173	16633	4.697	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	75010	4.777	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	75188	4.792	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	65574	4.674	ug/L	94
66) 1,2-Dibromo-3-chloropropan	14.48	75	4150	5.172	ug/L #	77
67) 1,3,5-Trichlorobenzene	14.63	180	54476	4.728	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	41479	4.608	ug/L	97
69) Naphthalene	15.37	128	65841	4.317	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	37481	4.712	ug/L	99

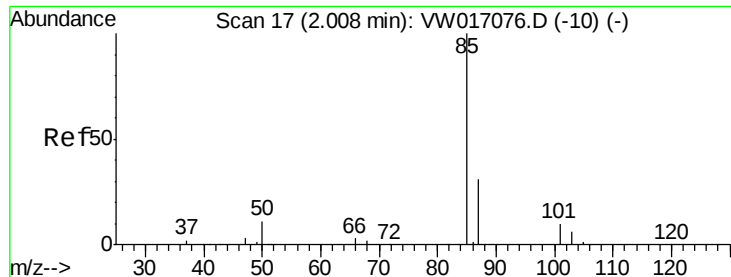
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.247 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW017075.D

Acq: 04 Nov 2020 14:30

Instrument :

MSVOA_W

ClientSampled :

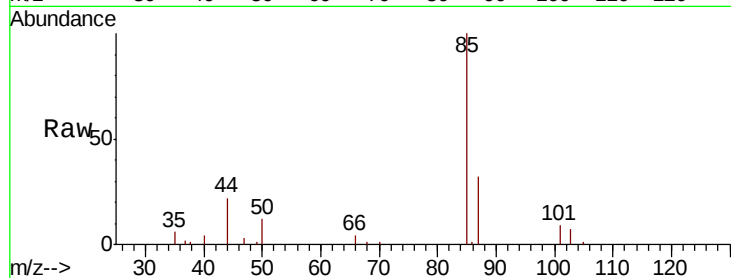
VSTD00505

Tot Ion: 85 Resp: 24734

Ion Ratio Lower Upper

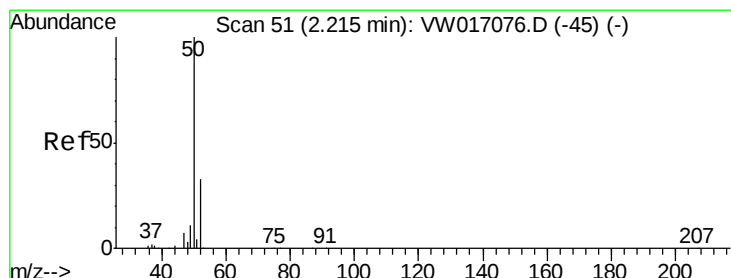
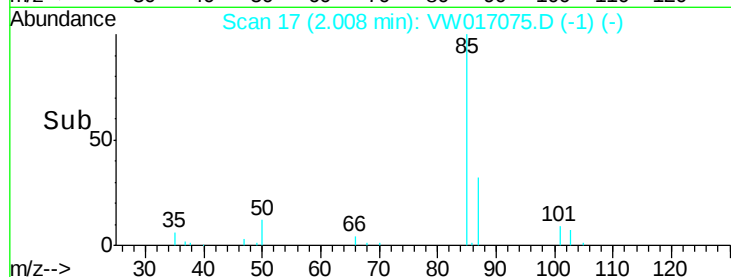
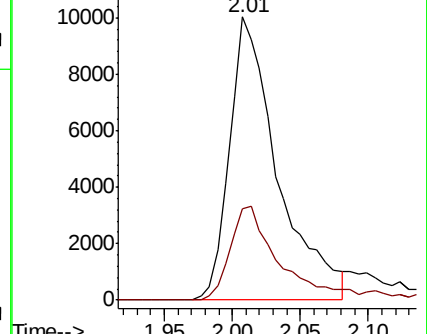
85 100

87 31.9 21.5 39.9



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 4.771 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW017075.D

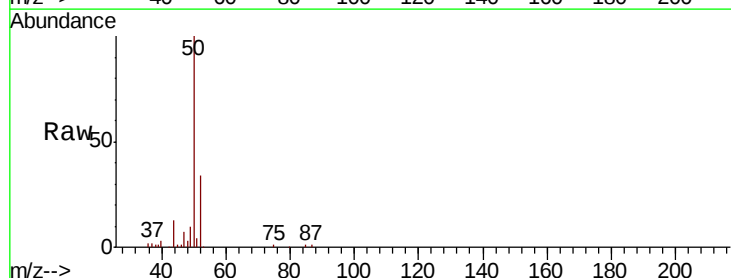
Acq: 04 Nov 2020 14:30

Tgt Ion: 50 Resp: 24295

Ion Ratio Lower Upper

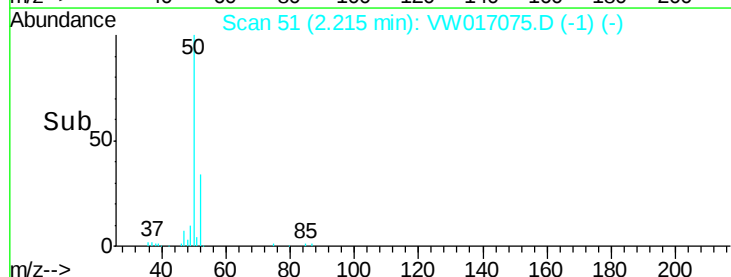
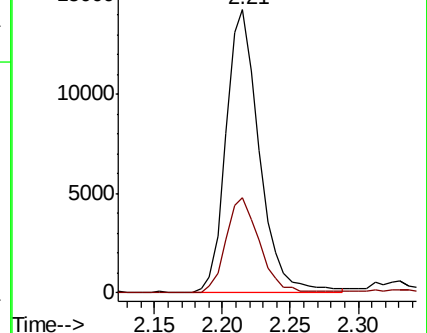
50 100

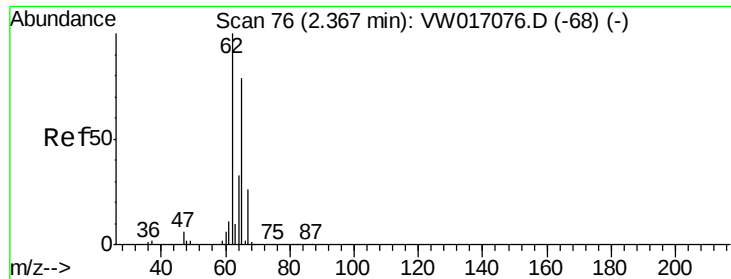
52 33.7 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 4.887 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW017075.D

Acq: 04 Nov 2020 14:30

Instrument :

MSVOA_W

ClientSampleId :

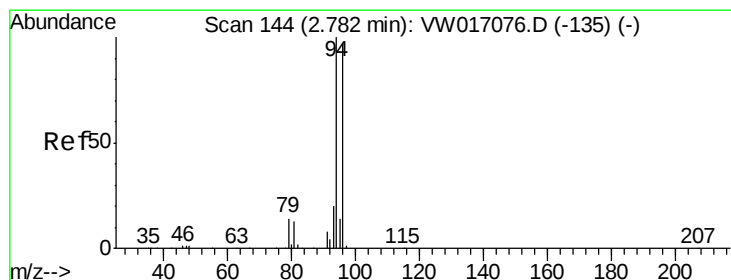
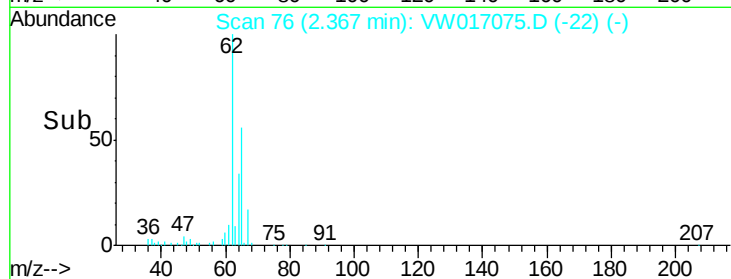
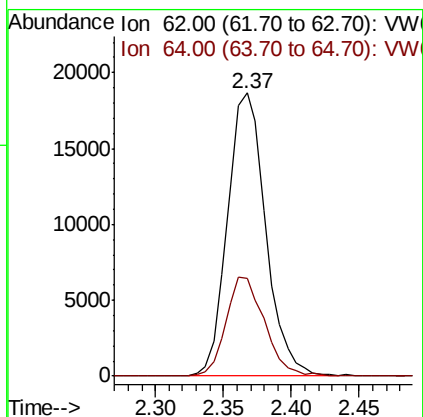
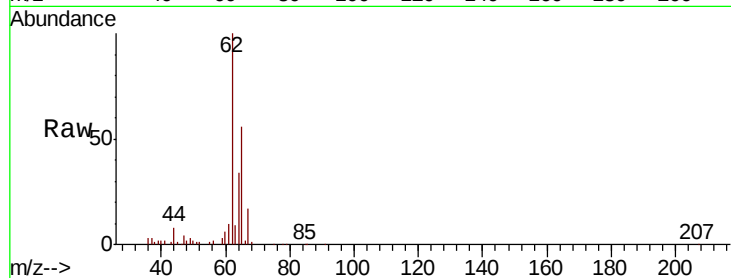
VSTD00505

Tot Ion: 62 Resp: 36474

Ion Ratio Lower Upper

62 100

64 34.4 23.3 43.3



#6

Bromomethane

Concen: 4.976 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW017075.D

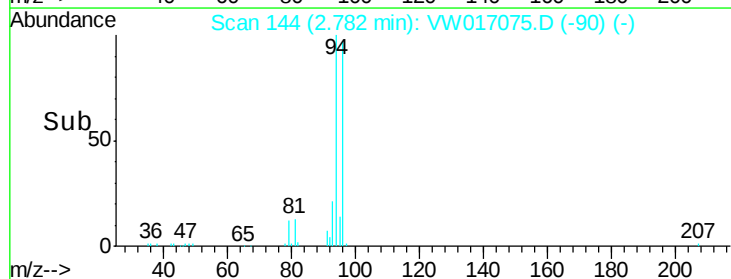
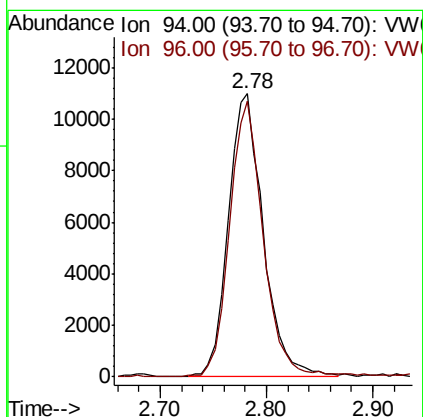
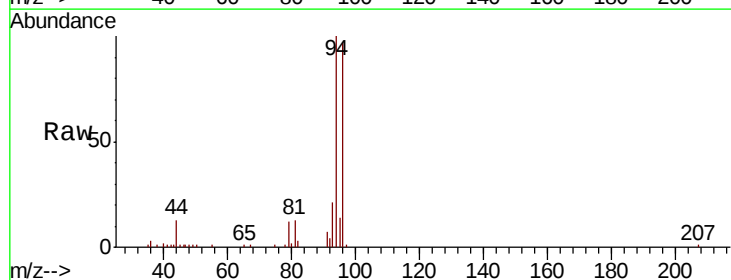
Acq: 04 Nov 2020 14:30

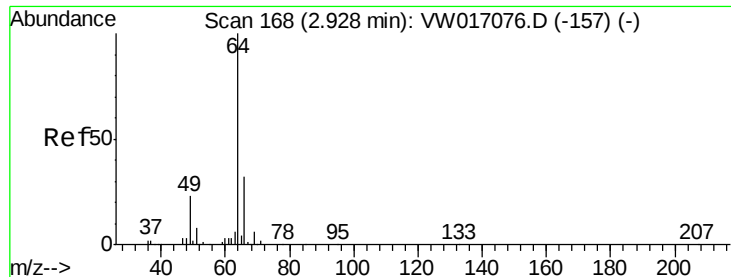
Tgt Ion: 94 Resp: 25298

Ion Ratio Lower Upper

94 100

96 92.2 9.6 181.8





#8

Chloroethane

Concen: 5.022 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW017075.D

Acq: 04 Nov 2020 14:30

Instrument :

MSVOA_W

ClientSampleId :

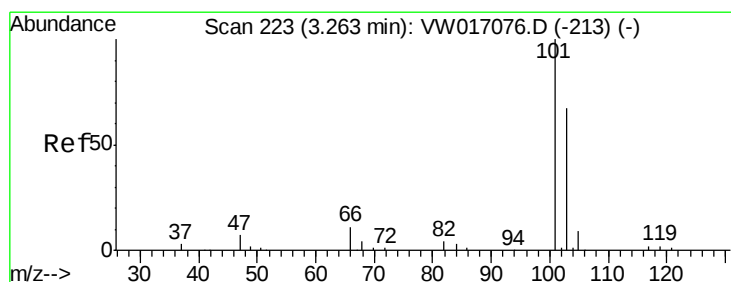
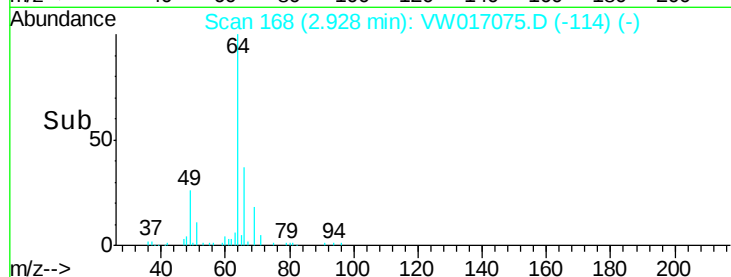
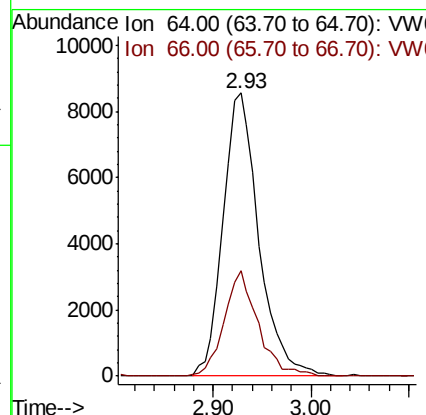
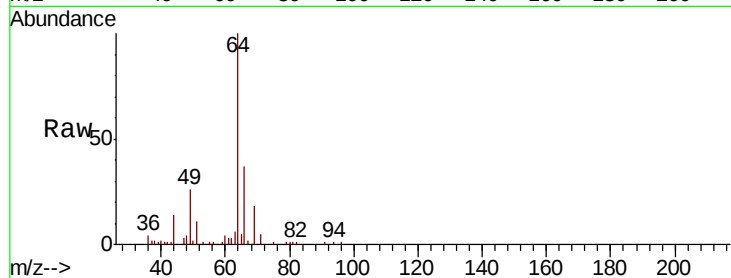
VSTD00505

Tot Ion: 64 Resp: 21715

Ion Ratio Lower Upper

64 100

66 37.3 22.3 41.5



#9

Trichlorofluoromethane

Concen: 4.688 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.00 min

Lab File: VW017075.D

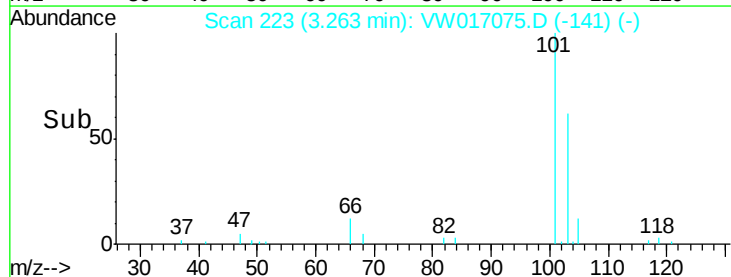
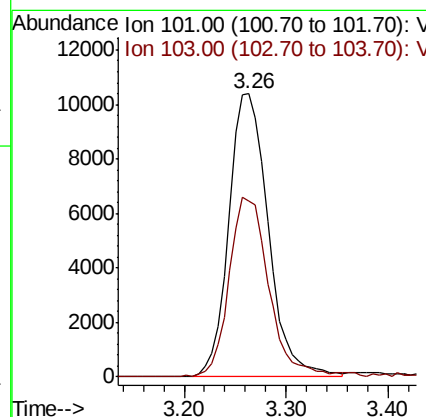
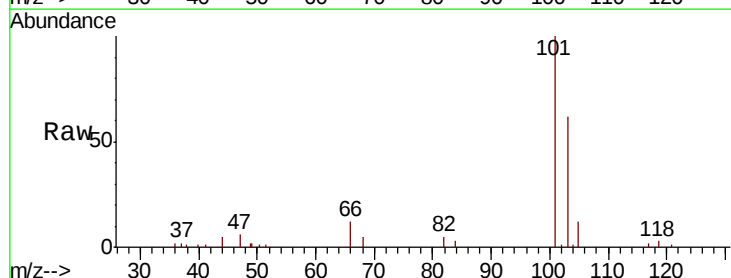
Acq: 04 Nov 2020 14:30

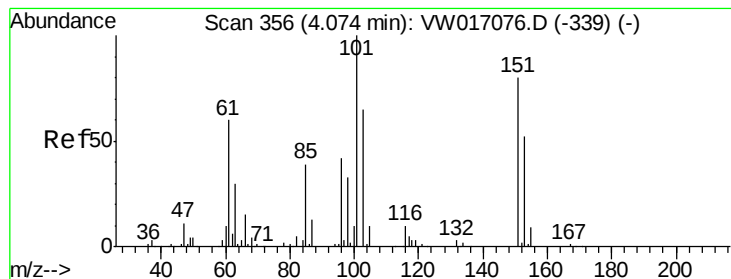
Tgt Ion: 101 Resp: 27916

Ion Ratio Lower Upper

101 100

103 63.2 45.4 84.2





#11

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

Concen: 4.879 ug/L

RT: 4.07 min Scan# 356

Delta R.T. -0.00 min

Lab File: VW017075.D

Acq: 04 Nov 2020 14:30

Instrument :

MSVOA_W

ClientSampleId :

VSTD00505

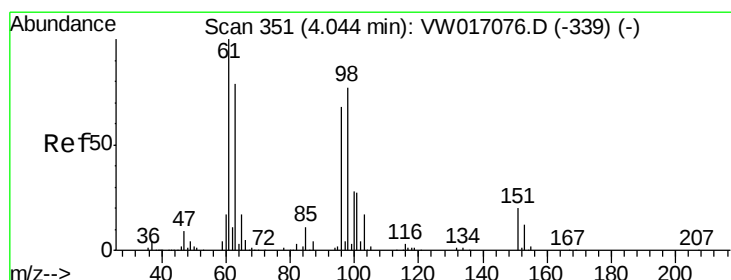
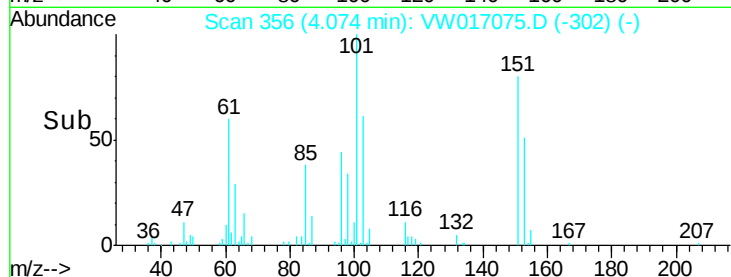
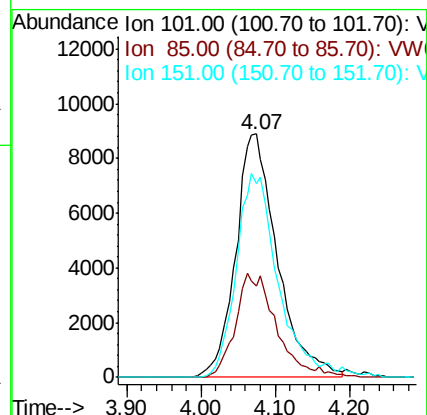
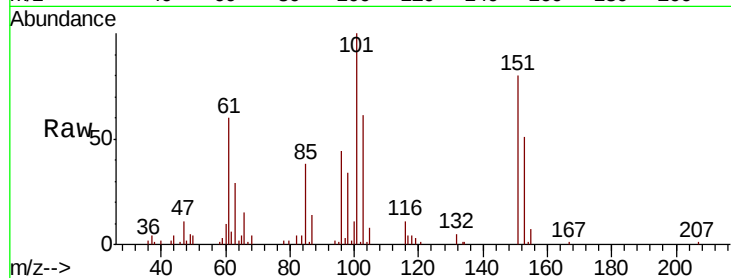
Tot Ion:101 Resp: 34886

Ion Ratio Lower Upper

101 100

85 21.6 32.8 49.2#

151 81.8 65.4 98.2



#12

1,1-Dichloroethene

Concen: 4.862 ug/L

RT: 4.05 min Scan# 352

Delta R.T. 0.01 min

Lab File: VW017075.D

Acq: 04 Nov 2020 14:30

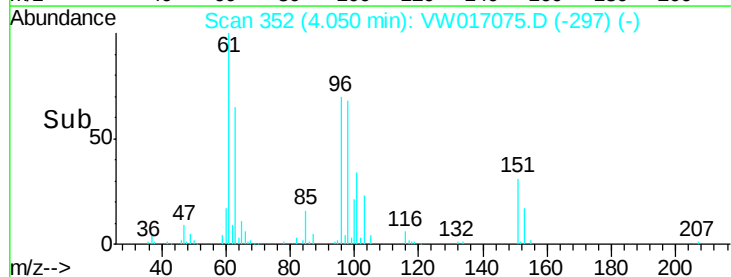
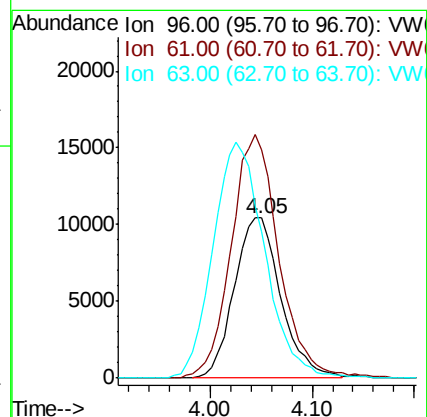
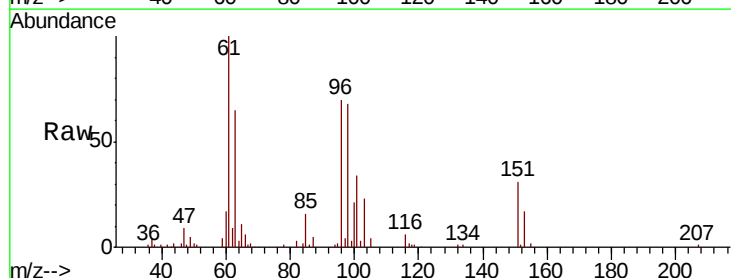
Tgt Ion: 96 Resp: 33186

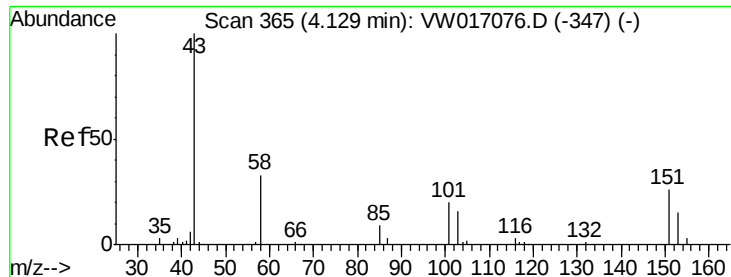
Ion Ratio Lower Upper

96 100

61 142.2 103.8 192.8

63 91.7 84.4 156.7





#13

Acetone

Concen: 10.551 ug/L

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

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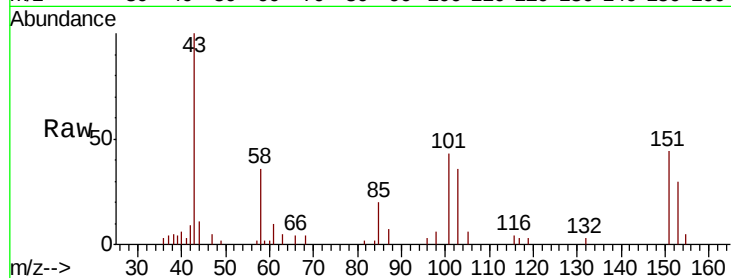
VSTD00505

Tot Ion: 43 Resp: 8792

Ion Ratio Lower Upper

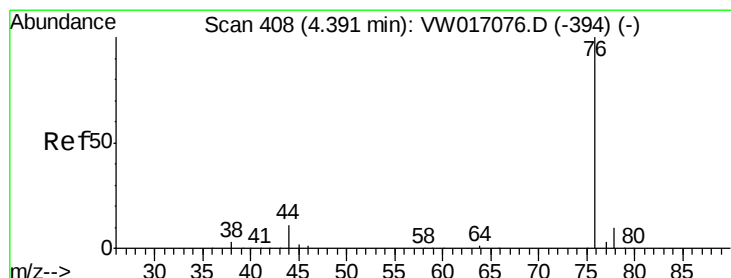
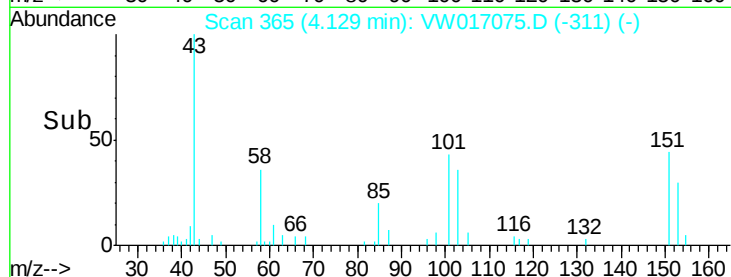
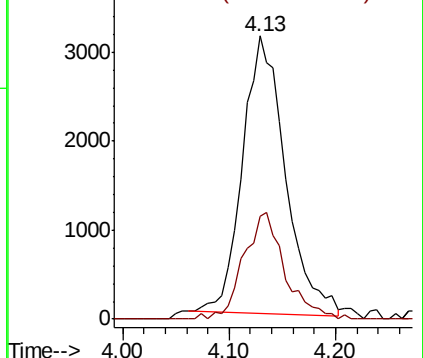
43 100

58 36.5 0.0 69.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 4.529 ug/L

RT: 4.39 min Scan# 408

Delta R.T. -0.00 min

Lab File: VW017075.D

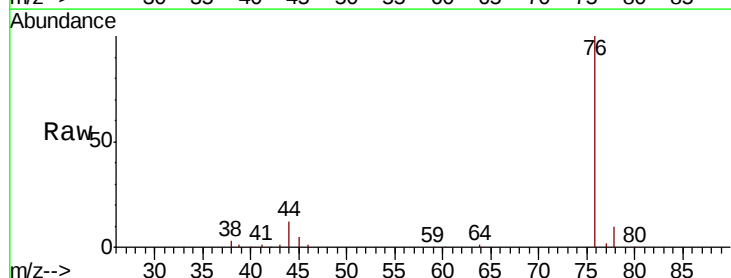
Acq: 04 Nov 2020 14:30

Tgt Ion: 76 Resp: 91731

Ion Ratio Lower Upper

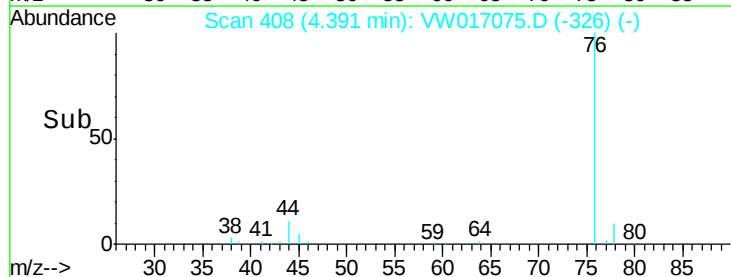
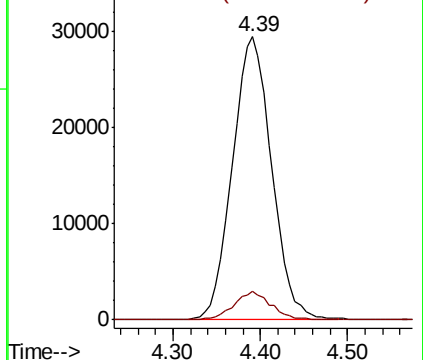
76 100

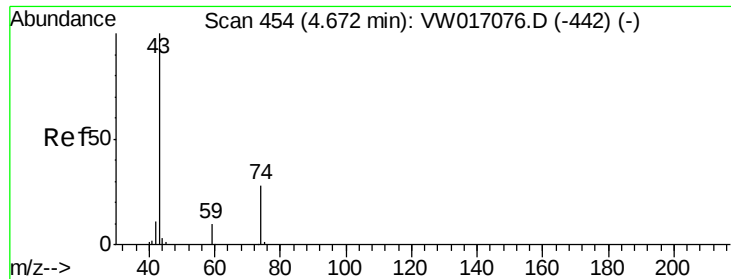
78 10.3 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

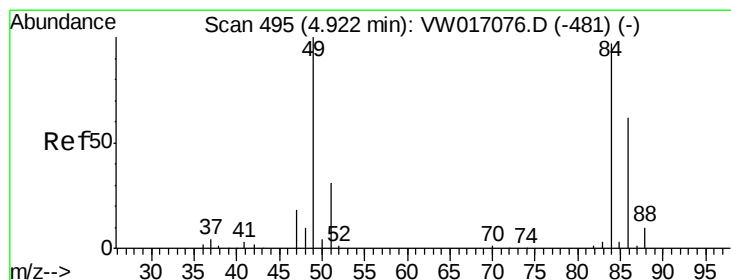
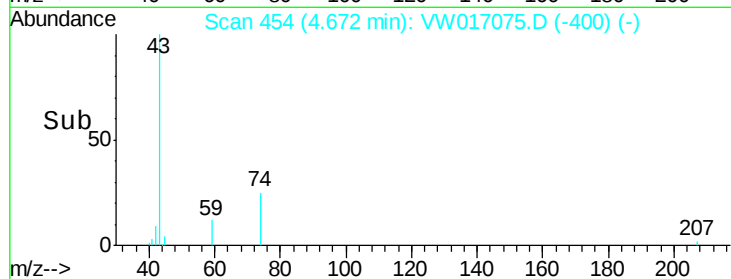
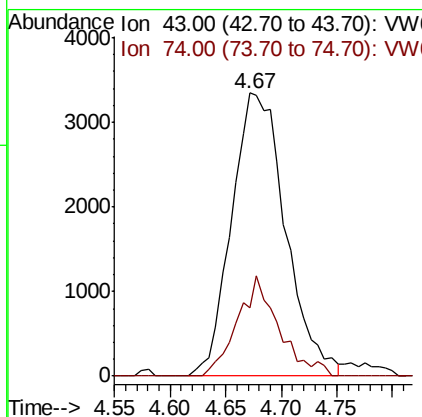
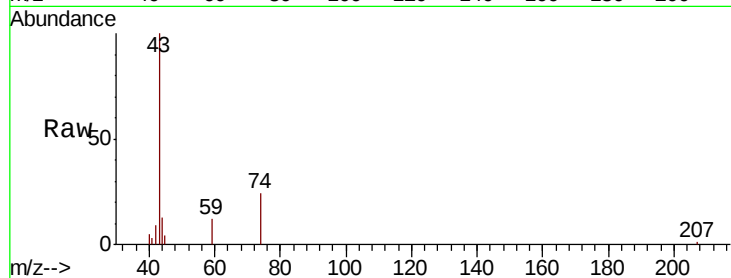




#15
Methyl Acetate
Concen: 5.248 ug/L
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW017075.D
Acq: 04 Nov 2020 14:30

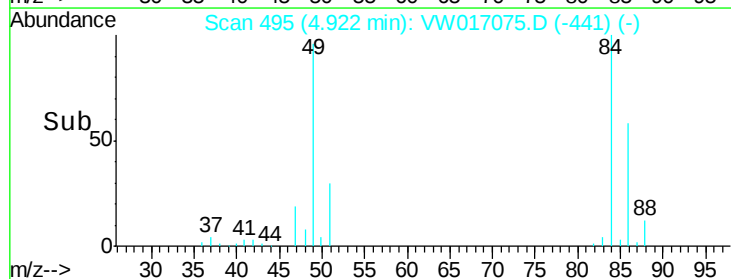
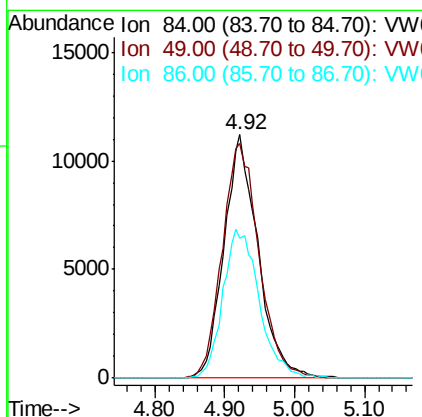
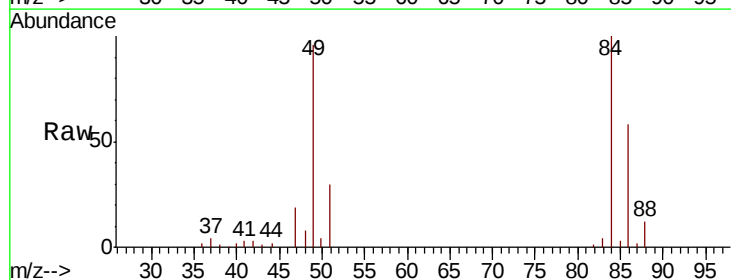
Instrument :
MSVOA_W
ClientSampleId :
VSTD00505

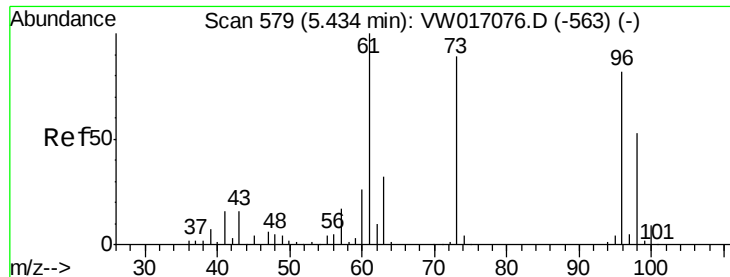
Tot Ion: 43 Resp: 11286
Ion Ratio Lower Upper
43 100
74 26.1 21.5 32.3



#16
Methylene chloride
Concen: 5.418 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW017075.D
Acq: 04 Nov 2020 14:30

Tgt Ion: 84 Resp: 37875
Ion Ratio Lower Upper
84 100
49 96.2 72.3 134.3
86 57.7 45.1 83.7

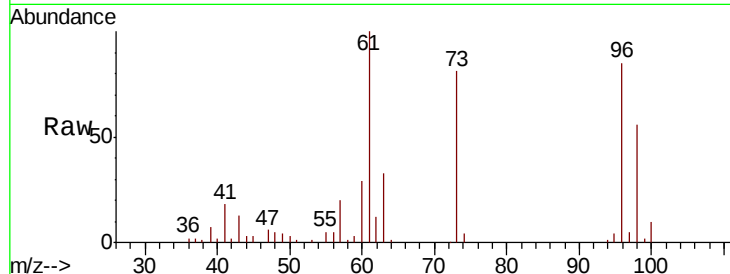




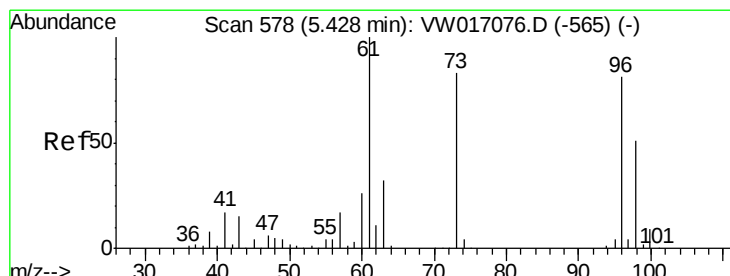
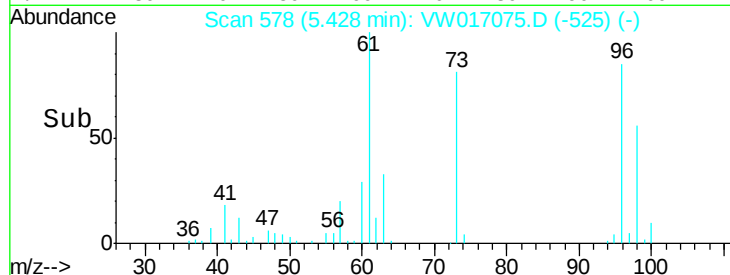
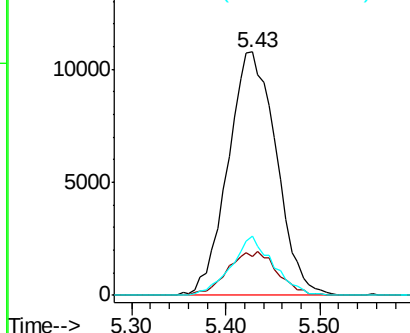
#17
Methvl tert-butvl Ether
Concen: 5.000 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW017075.D
Acq: 04 Nov 2020 14:30

Instrument :
MSVOA_W
ClientSampleId :
VSTD00505

Tot Ion: 73 Resp: 38436
Ion Ratio Lower Upper
73 100
43 10.0 14.5 21.7#
57 21.0 16.3 24.5

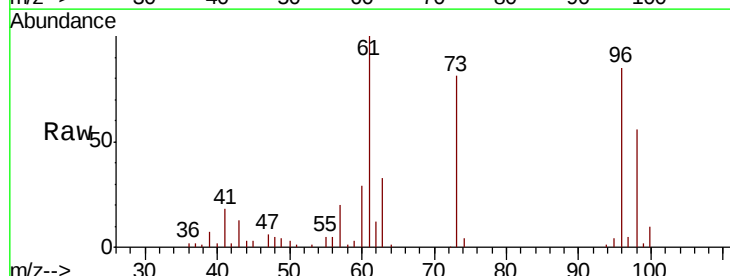


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

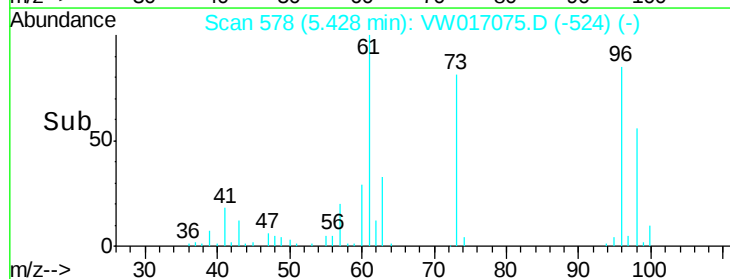
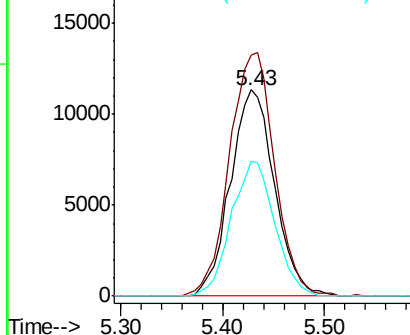


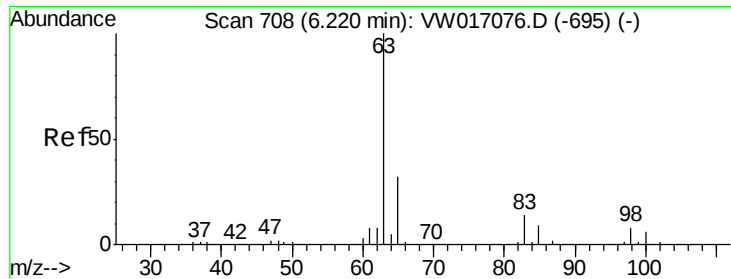
#18
trans-1,2-Dichloroethene
Concen: 4.803 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW017075.D
Acq: 04 Nov 2020 14:30

Tgt Ion: 96 Resp: 34152
Ion Ratio Lower Upper
96 100
61 117.3 86.8 161.2
98 65.3 44.4 82.4



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

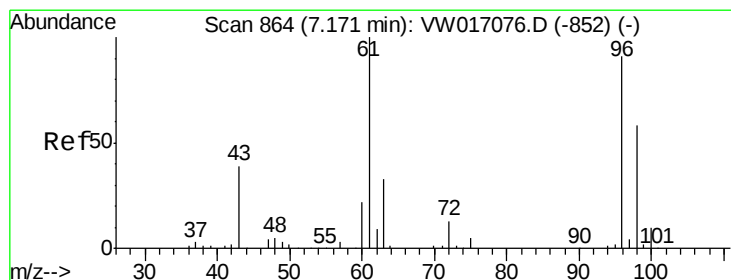
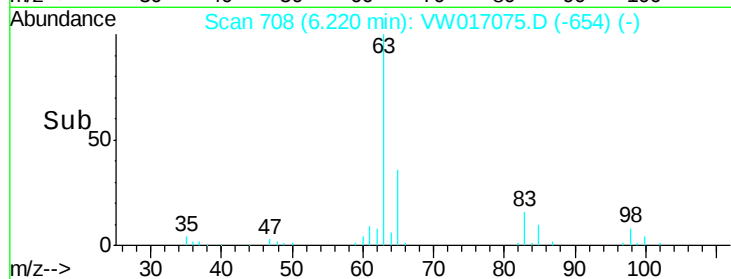
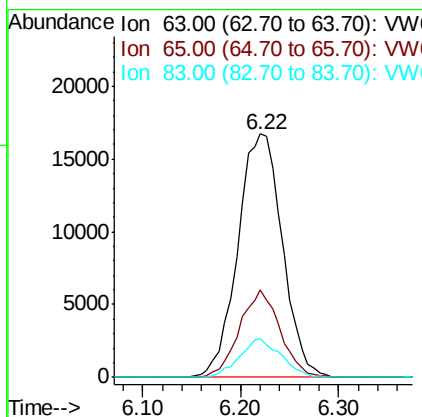
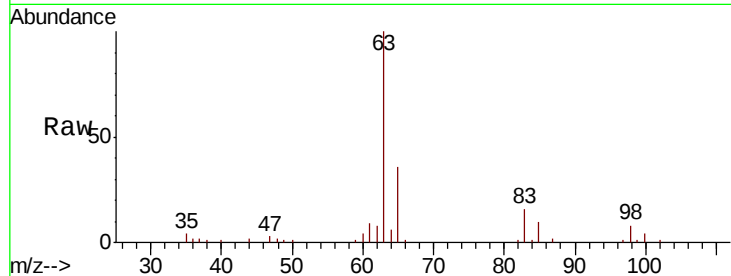




#19
 1,1-Dichloroethane
 Concen: 4.803 ug/L
 RT: 6.22 min Scan# 708
 Delta R.T. -0.00 min
 Lab File: VW017075.D
 Acq: 04 Nov 2020 14:30

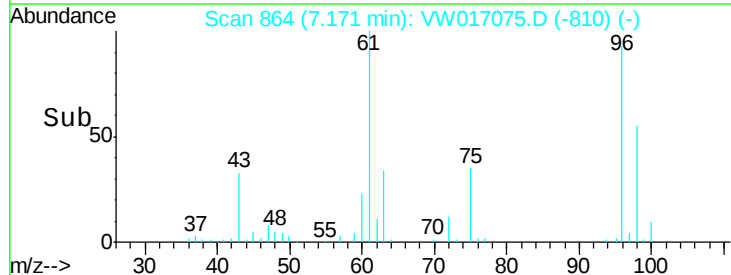
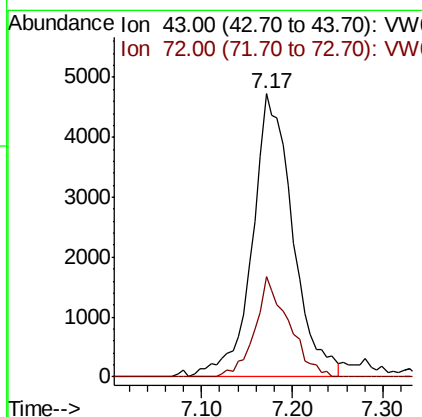
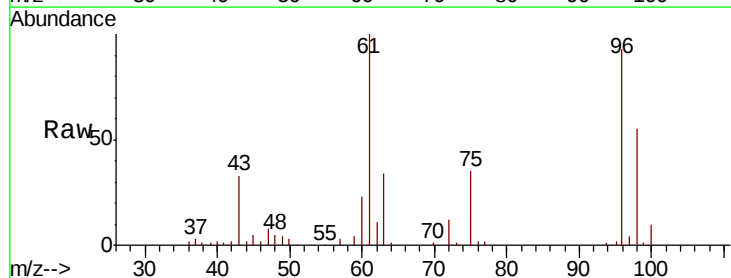
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00505

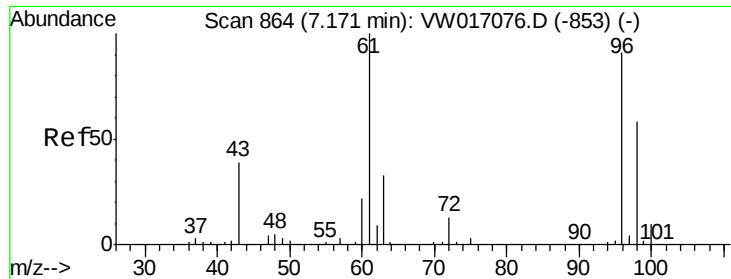
Tot Ion: 63 Resp: 52847
 Ion Ratio Lower Upper
 63 100
 65 35.8 22.1 41.1
 83 15.8 10.0 18.6



#21
 2-Butanone
 Concen: 10.563 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW017075.D
 Acq: 04 Nov 2020 14:30

Tgt Ion: 43 Resp: 14533
 Ion Ratio Lower Upper
 43 100
 72 28.7 16.1 48.3





#22

cis-1,2-Dichloroethene

Concen: 4.739 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW017075.D

Acq: 04 Nov 2020 14:30

Instrument :

MSVOA_W

ClientSampleId :

VSTD00505

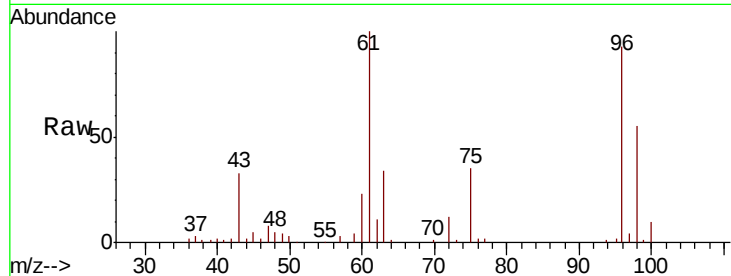
Tot Ion: 96 Resp: 34478

Ion Ratio Lower Upper

96 100

61 108.0 77.4 143.8

98 59.4 45.1 83.7

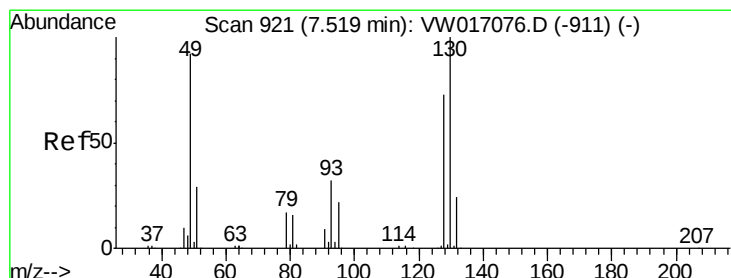
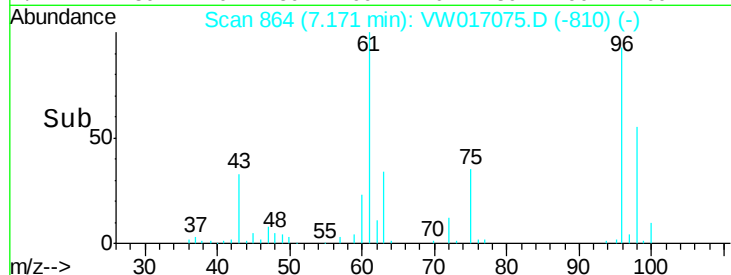
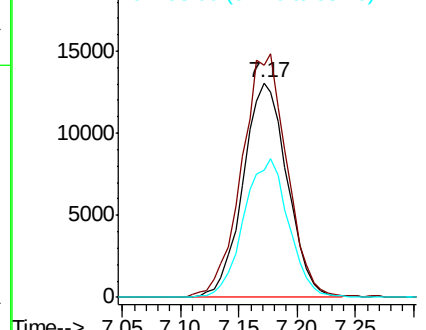


Abundance

Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW



#23

Bromochloromethane

Concen: 4.887 ug/L

RT: 7.52 min Scan# 921

Delta R.T. -0.00 min

Lab File: VW017075.D

Acq: 04 Nov 2020 14:30

Tgt Ion: 128 Resp: 16659

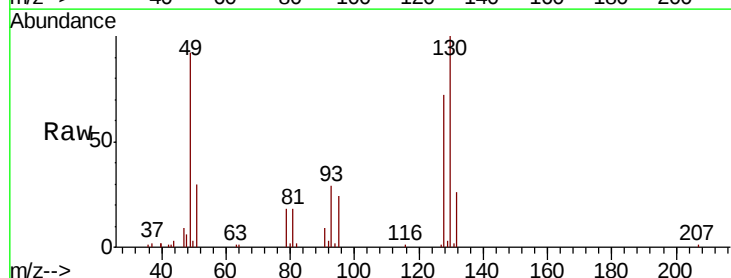
Ion Ratio Lower Upper

128 100

49 128.1 88.3 163.9

130 139.1 95.6 177.6

51 42.3 32.2 48.4



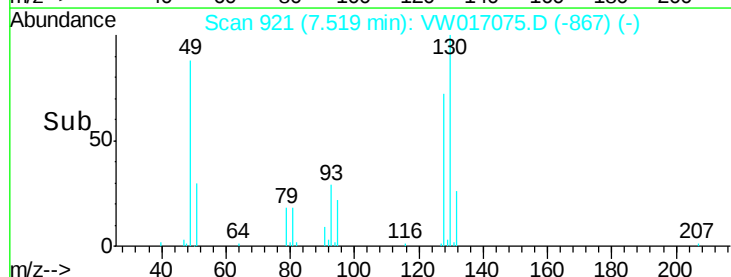
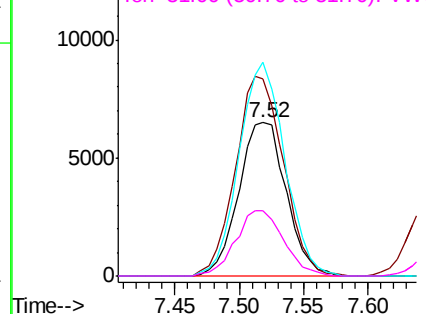
Abundance

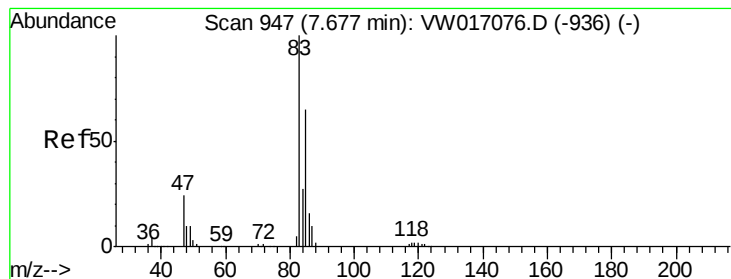
Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VW

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VW





#25

Chloroform

Concen: 4.949 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW017075.D

Acq: 04 Nov 2020 14:30

Instrument :

MSVOA_W

ClientSampleId :

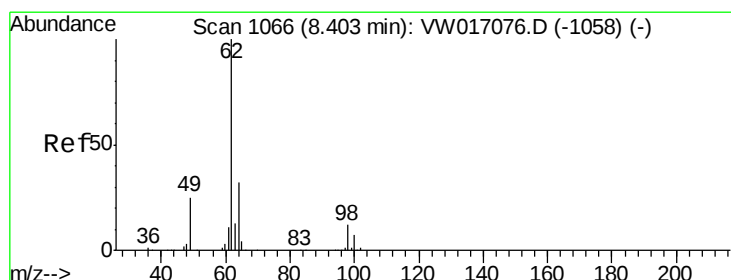
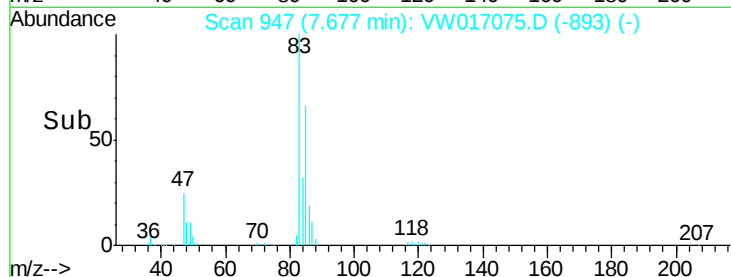
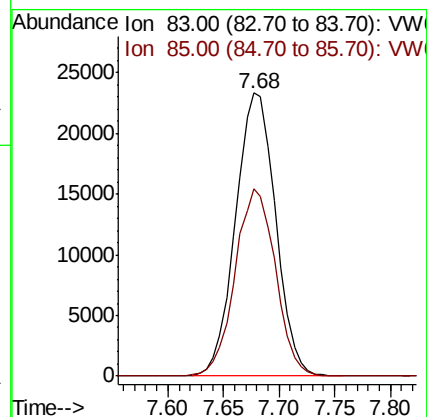
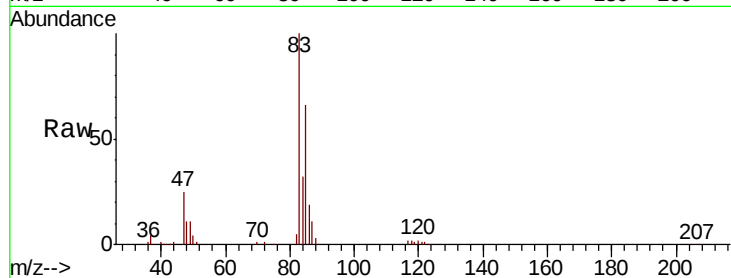
VSTD00505

Tot Ion: 83 Resp: 58335

Ion Ratio Lower Upper

83 100

85 66.7 46.4 86.2



#27

1,2-Dichloroethane

Concen: 5.088 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VW017075.D

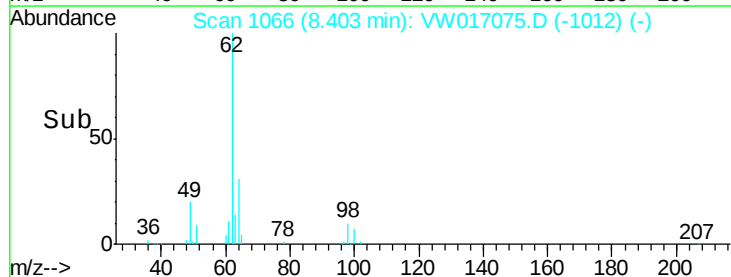
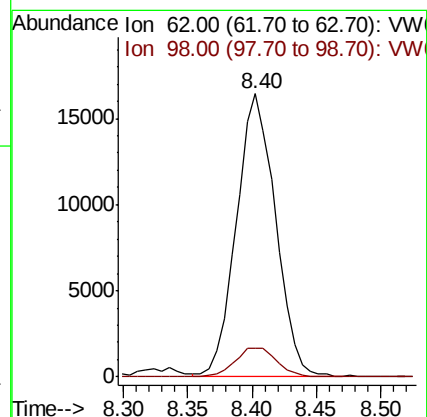
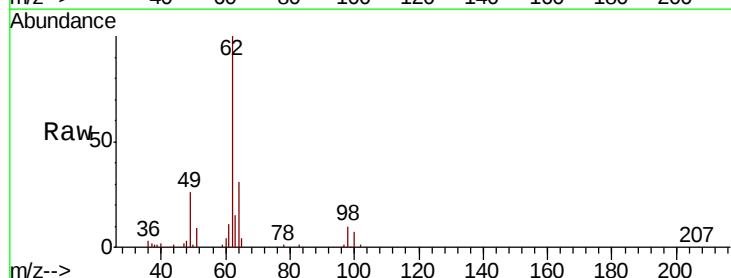
Acq: 04 Nov 2020 14:30

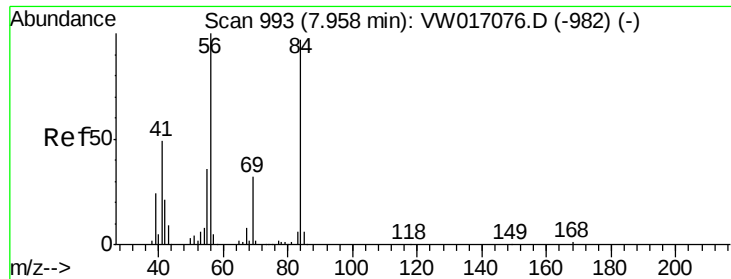
Tgt Ion: 62 Resp: 34736

Ion Ratio Lower Upper

62 100

98 10.3 9.4 14.0

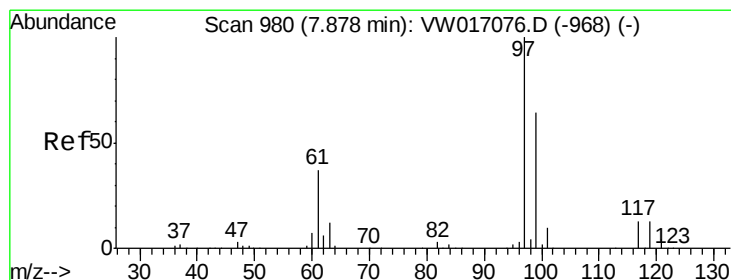
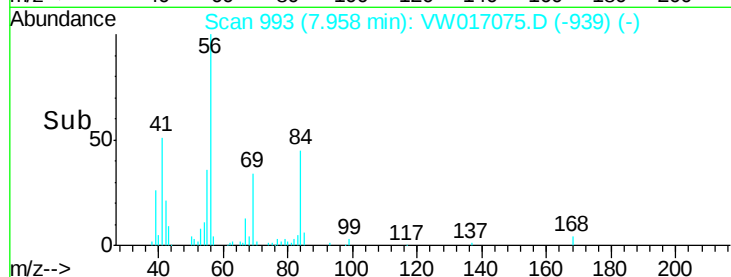
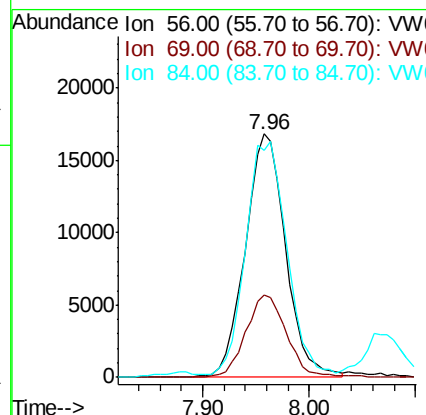
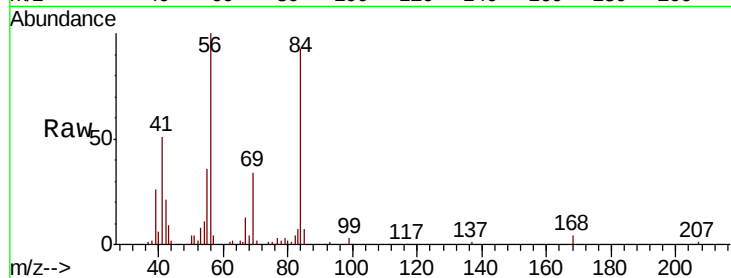




#30
Cyclohexane
Concen: 4.449 ug/L
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW017075.D
Acq: 04 Nov 2020 14:30

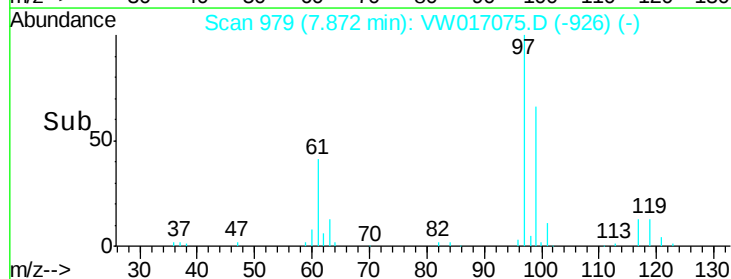
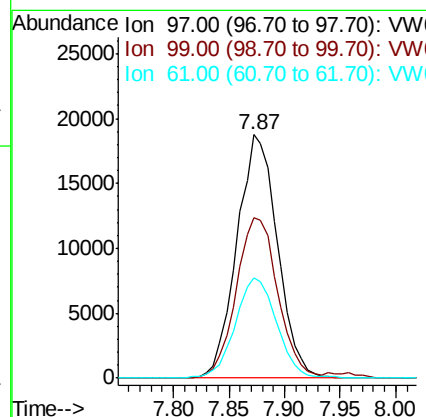
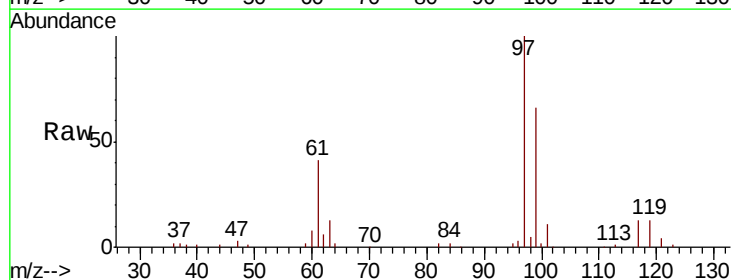
Instrument :
MSVOA_W
ClientSampleId :
VSTD00505

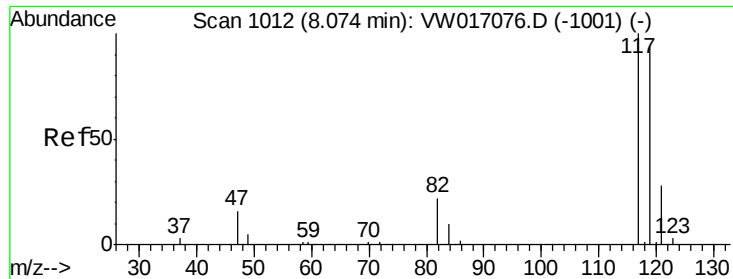
Tot Ion: 56 Resp: 44707
Ion Ratio Lower Upper
56 100
69 34.0 26.1 39.1
84 99.1 79.1 118.7



#31
1,1,1-Trichloroethane
Concen: 4.508 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.01 min
Lab File: VW017075.D
Acq: 04 Nov 2020 14:30

Tgt Ion: 97 Resp: 47527
Ion Ratio Lower Upper
97 100
99 67.3 51.4 77.0
61 42.2 31.6 47.4





#32

Carbon tetrachloride

Concen: 4.617 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VW017075.D

Acq: 04 Nov 2020 14:30

Instrument :

MSVOA_W

ClientSampleId :

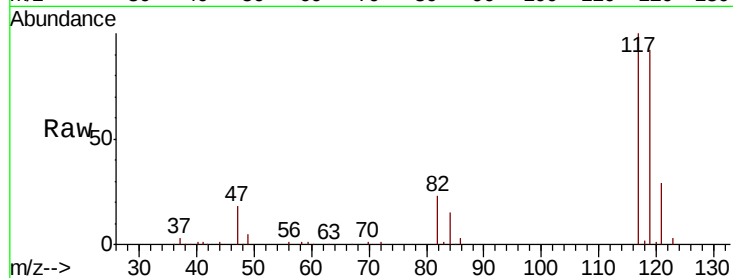
VSTD00505

Tot Ion:117 Resp: 46858

Ion Ratio Lower Upper

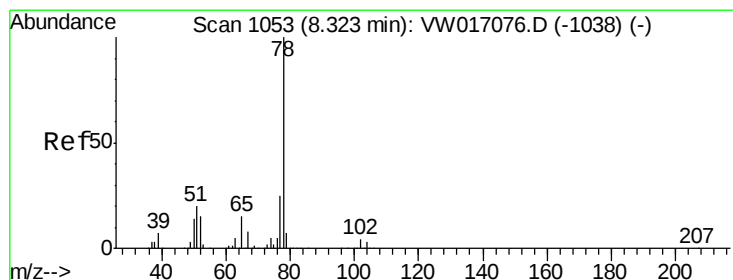
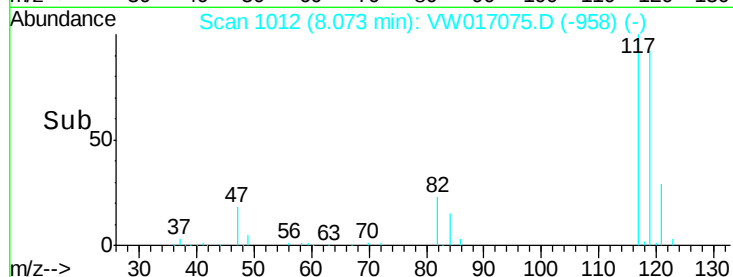
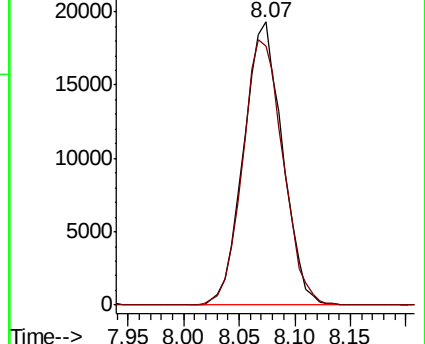
117 100

119 97.4 77.7 116.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 4.786 ug/L

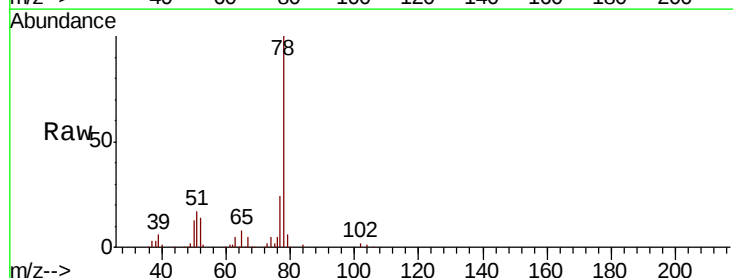
RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

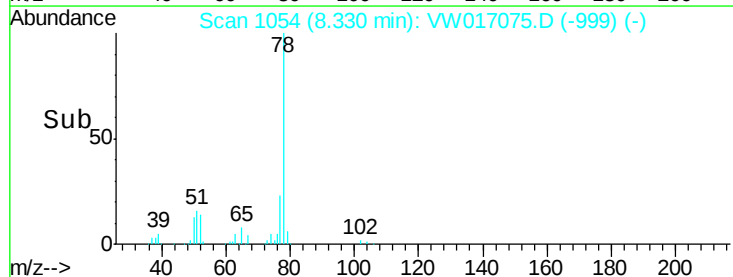
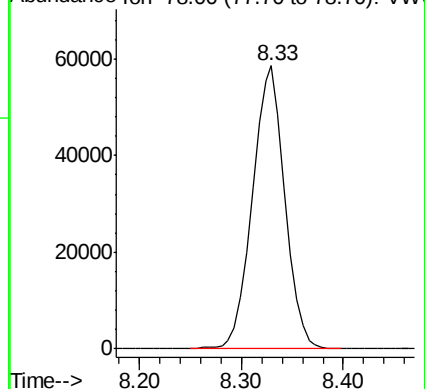
Lab File: VW017075.D

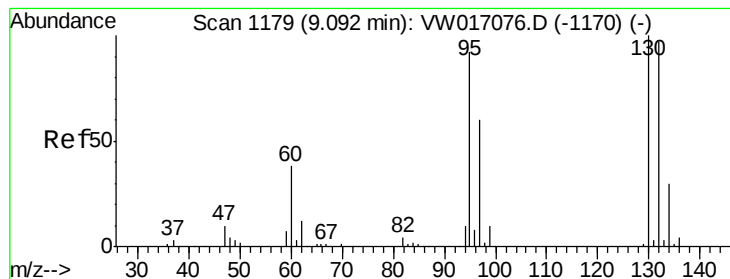
Acq: 04 Nov 2020 14:30

Tgt Ion: 78 Resp: 129221



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 4.827 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VW017075.D

Acq: 04 Nov 2020 14:30

Instrument :

MSVOA_W

ClientSampled :

VSTD00505

Tot Ion: 95 Resp: 35953

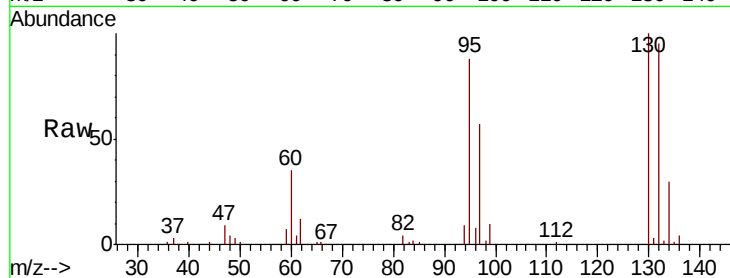
Ion Ratio Lower Upper

95 100

97 64.9 45.0 83.6

132 104.8 73.7 136.9

130 109.3 77.1 143.1



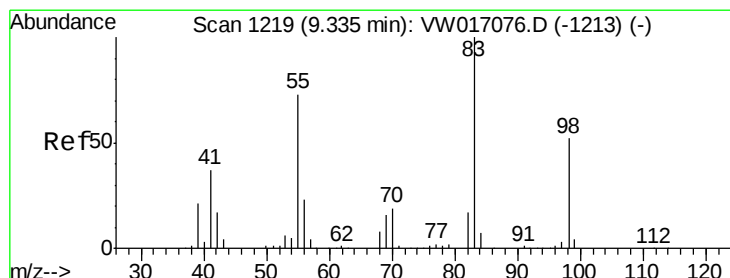
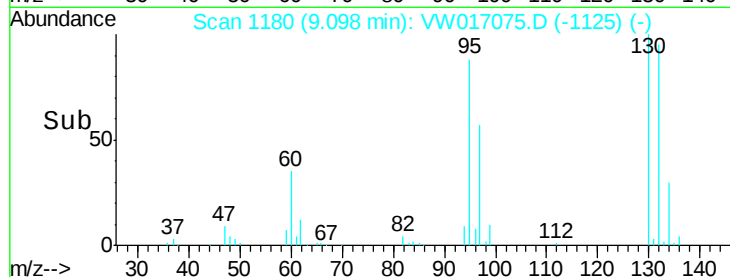
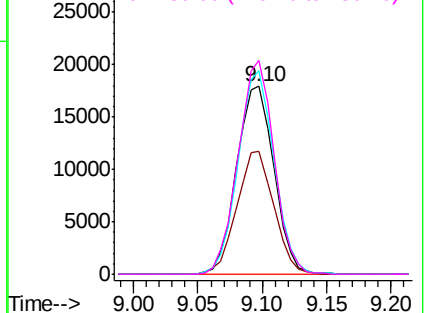
Abundance

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: 4.618 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW017075.D

Acq: 04 Nov 2020 14:30

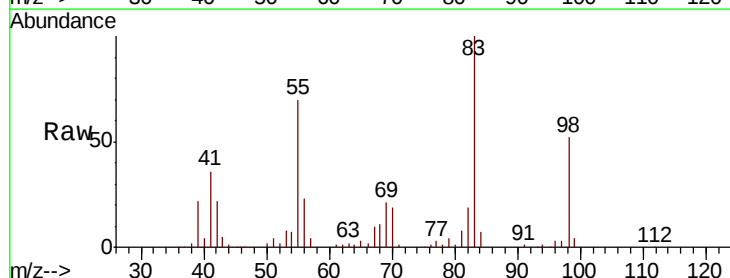
Tgt Ion: 83 Resp: 57180

Ion Ratio Lower Upper

83 100

55 69.2 54.4 81.6

98 50.8 40.5 60.7

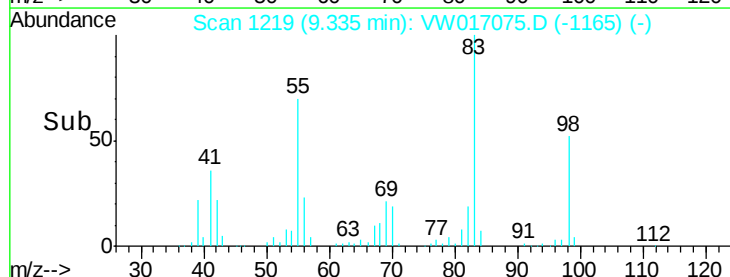
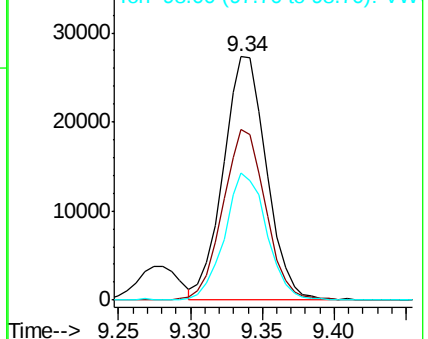


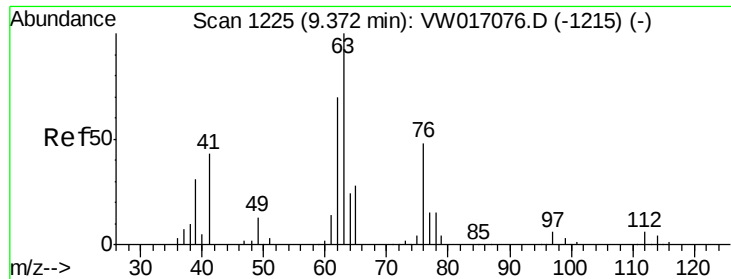
Abundance

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

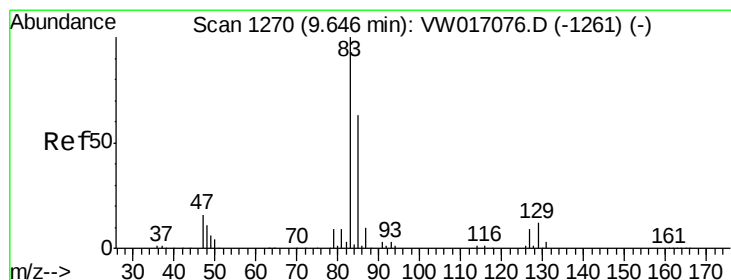
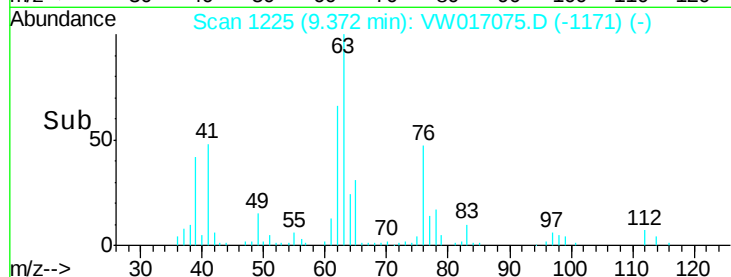
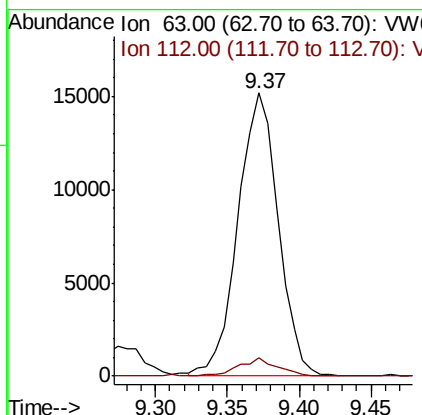
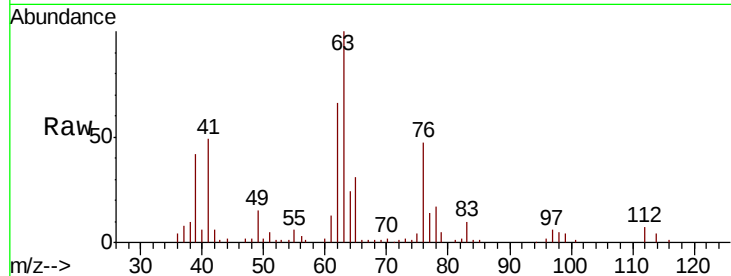




#40
 1,2-Dichloropropane
 Concen: 4.841 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW017075.D
 Acq: 04 Nov 2020 14:30

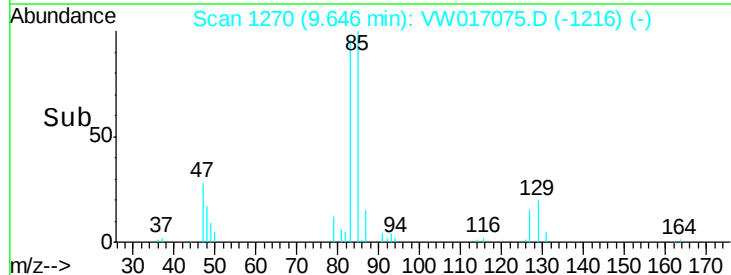
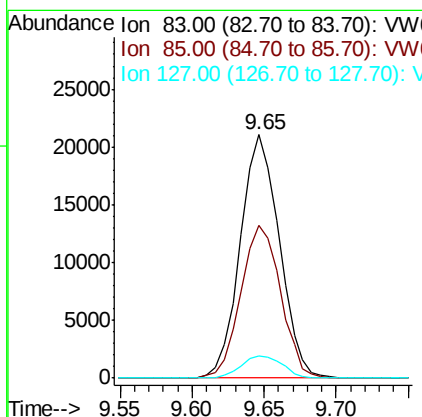
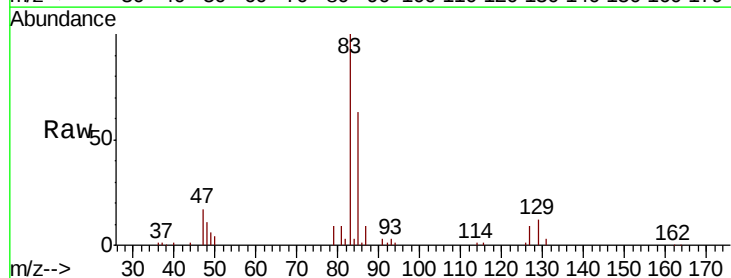
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00505

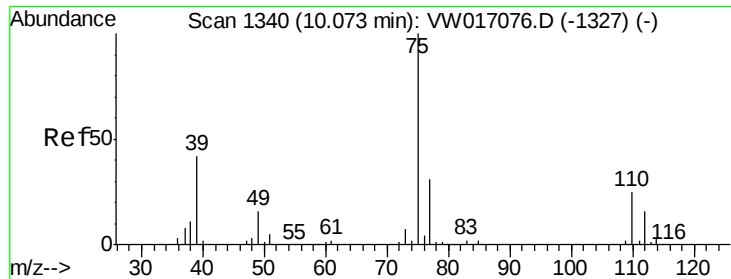
Tot Ion: 63 Resp: 29486
 Ion Ratio Lower Upper
 63 100
 112 6.2 4.2 6.2



#41
 Bromodichloromethane
 Concen: 4.764 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW017075.D
 Acq: 04 Nov 2020 14:30

Tgt Ion: 83 Resp: 39609
 Ion Ratio Lower Upper
 83 100
 85 63.0 44.4 82.4
 127 9.2 7.3 10.9

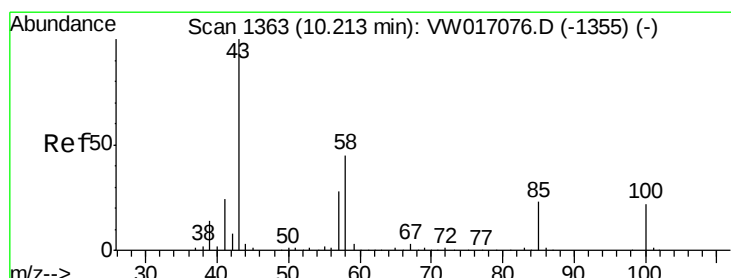
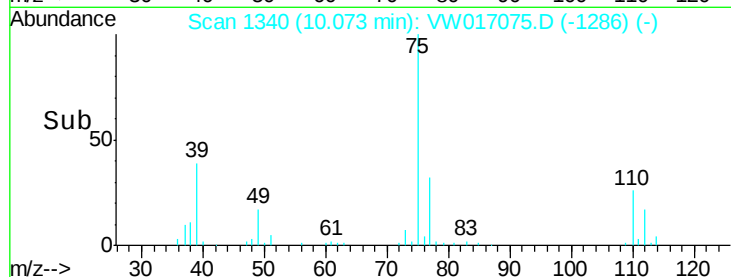
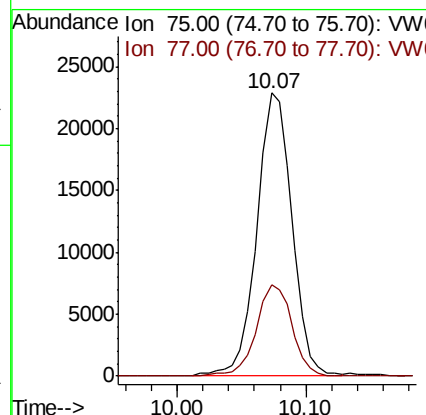
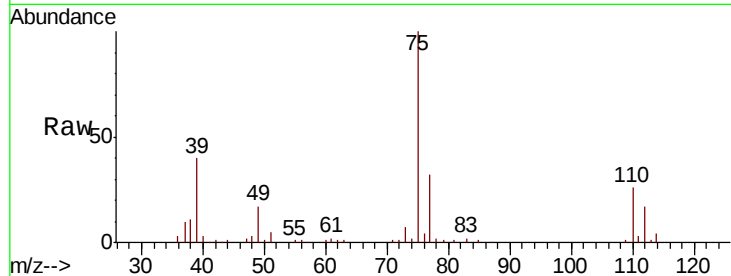




#42
 cis-1,3-Dichloropropene
 Concen: 4.504 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW017075.D
 Acq: 04 Nov 2020 14:30

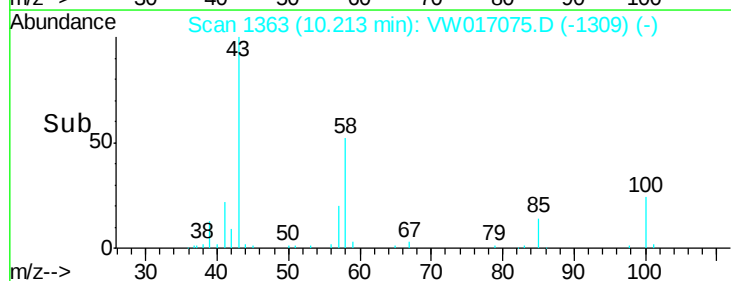
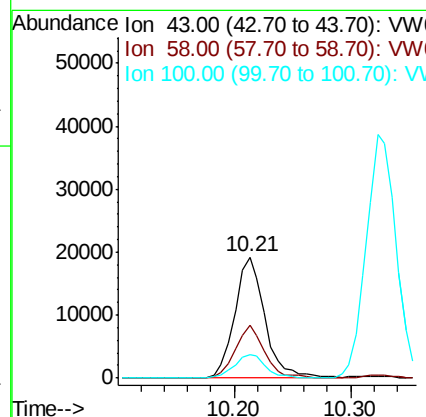
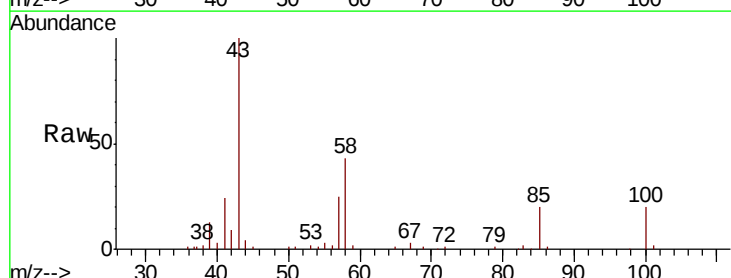
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00505

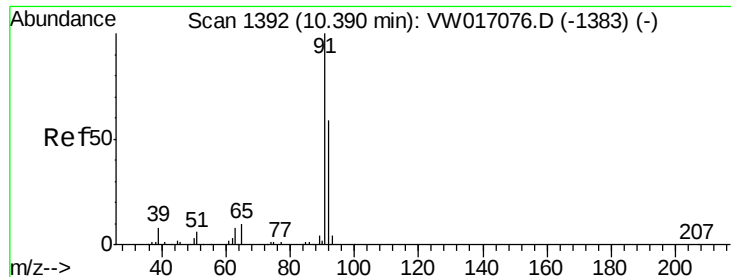
Tot Ion: 75 Resp: 43014
 Ion Ratio Lower Upper
 75 100
 77 32.3 22.0 41.0



#43
 4-Methyl-2-pentanone
 Concen: 11.381 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VW017075.D
 Acq: 04 Nov 2020 14:30

Tgt Ion: 43 Resp: 34803
 Ion Ratio Lower Upper
 43 100
 58 42.0 35.0 52.6
 100 19.9 16.6 24.8





#44

Toluene

Concen: 4.764 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW017075.D

Acq: 04 Nov 2020 14:30

Instrument :

MSVOA_W

ClientSampleId :

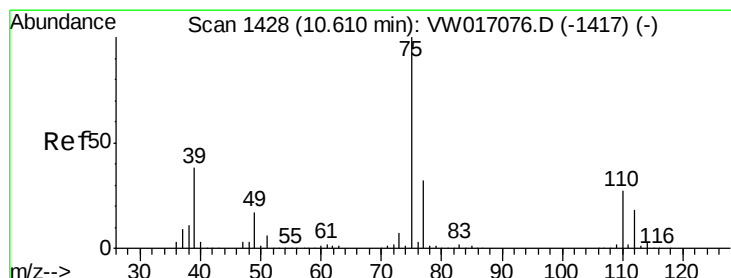
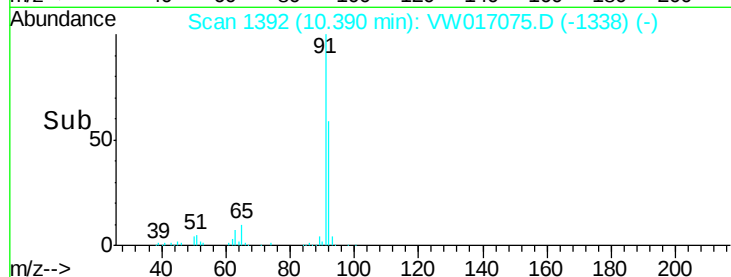
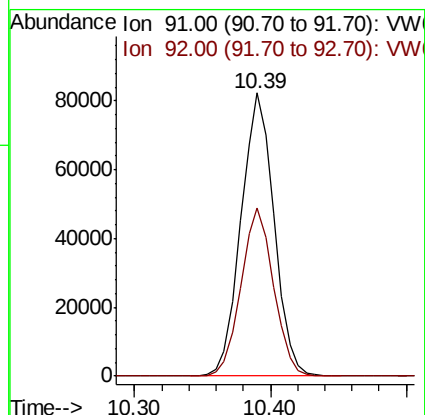
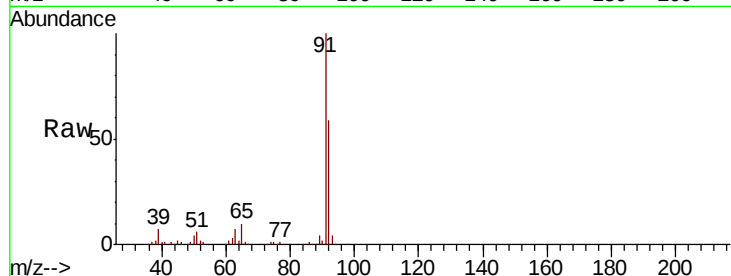
VSTD00505

Tot Ion: 91 Resp: 139433

Ion Ratio Lower Upper

91 100

92 59.4 41.4 76.8



#45

trans-1,3-Dichloropropene

Concen: 4.538 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW017075.D

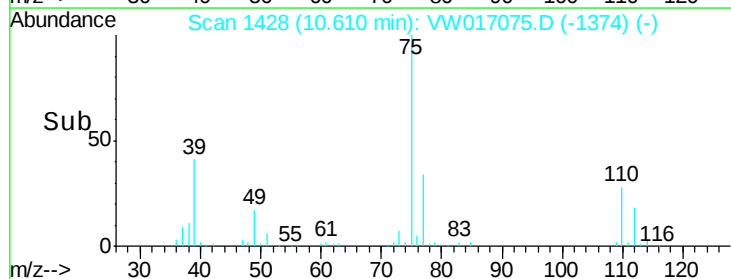
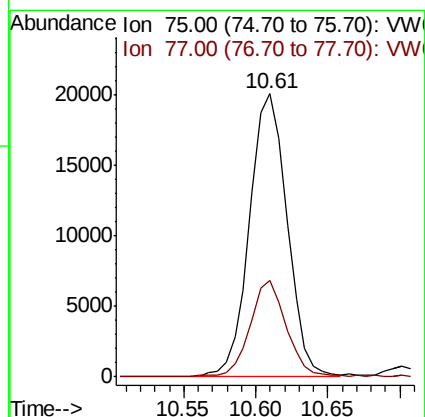
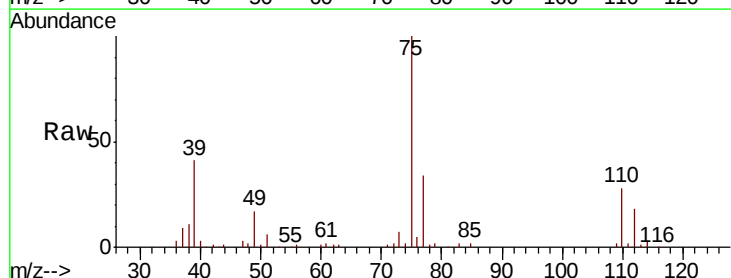
Acq: 04 Nov 2020 14:30

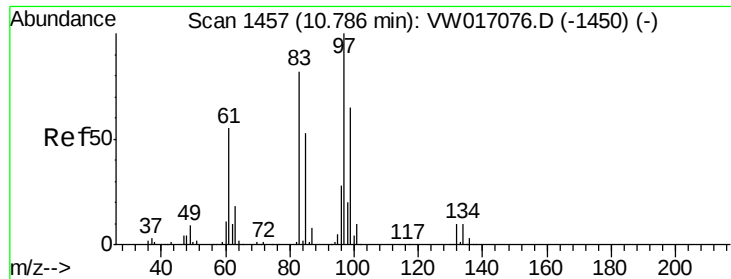
Tgt Ion: 75 Resp: 36328

Ion Ratio Lower Upper

75 100

77 34.3 22.1 41.1

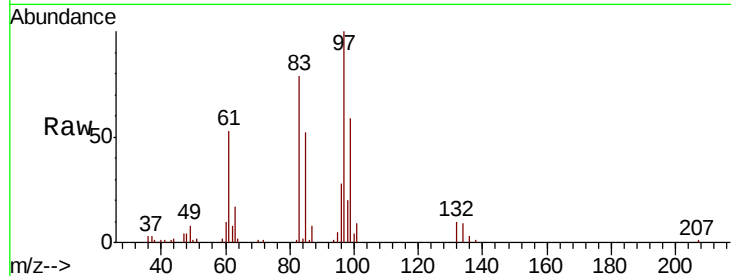




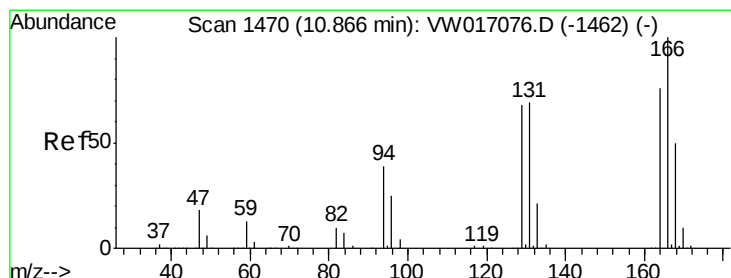
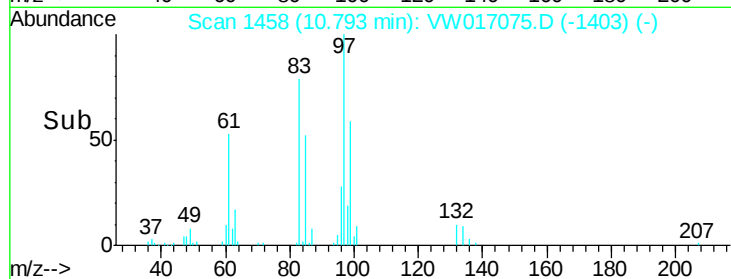
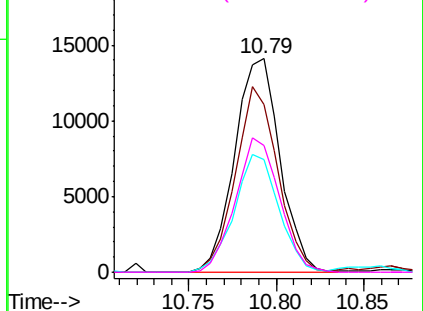
#46
1,1,2-Trichloroethane
Concen: 5.135 ug/L
RT: 10.79 min Scan# 1458
Delta R.T. 0.01 min
Lab File: VW017075.D
Acq: 04 Nov 2020 14:30

Instrument :
MSVOA_W
ClientSampleId :
VSTD00505

Tot Ion:	97	Resp:	25507
Ion	Ratio	Lower	Upper
97	100		
83	78.6	57.3	106.5
85	52.5	37.2	69.0
99	59.3	45.7	84.9

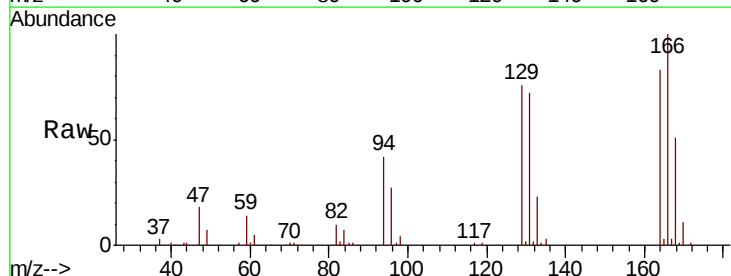


Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 83.00 (82.70 to 83.70): VW
Ion 85.00 (84.70 to 85.70): VW
Ion 99.00 (98.70 to 99.70): VW

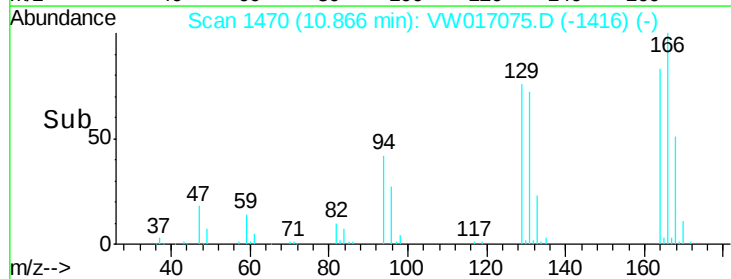
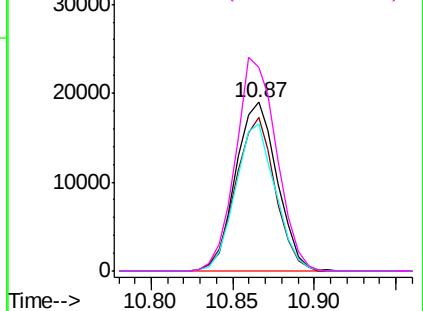


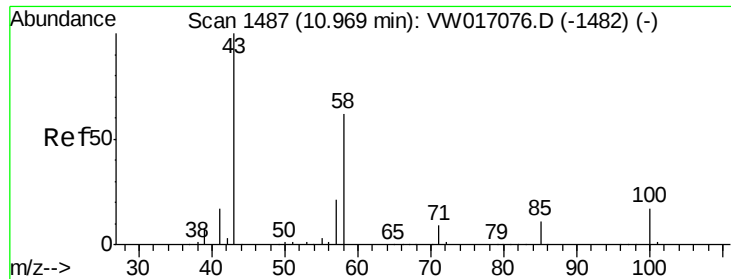
#47
Tetrachloroethene
Concen: 4.920 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW017075.D
Acq: 04 Nov 2020 14:30

Tgt Ion:	164	Resp:	33571
Ion	Ratio	Lower	Upper
164	100		
129	91.2	62.9	116.7
131	87.0	63.3	117.5
166	120.2	92.0	170.8



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: 10.001 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW017075.D

Acq: 04 Nov 2020 14:30

Instrument :

MSVOA_W

ClientSampleId :

VSTD00505

Tot Ion: 43 Resp: 19469

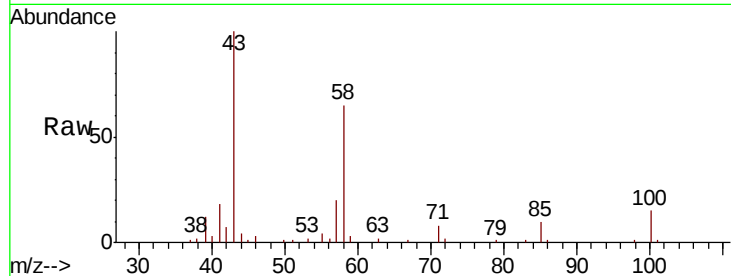
Ion Ratio Lower Upper

43 100

58 57.0 50.6 75.8

57 19.6 17.8 26.6

100 17.0 13.9 20.9

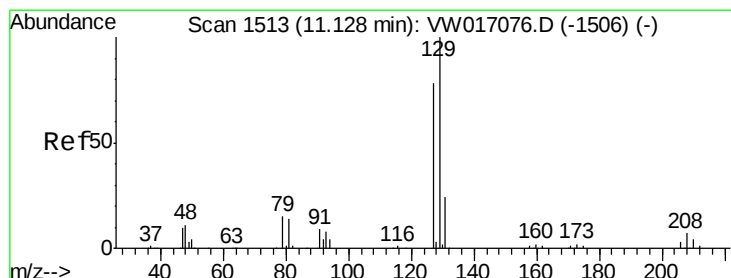
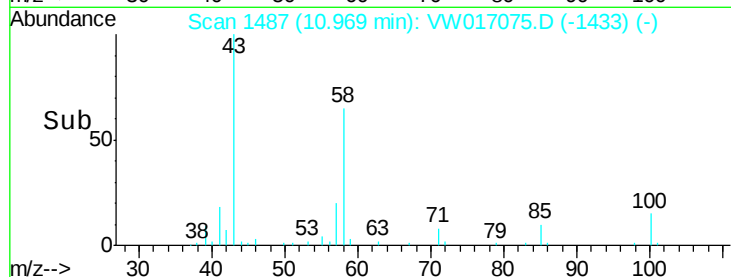
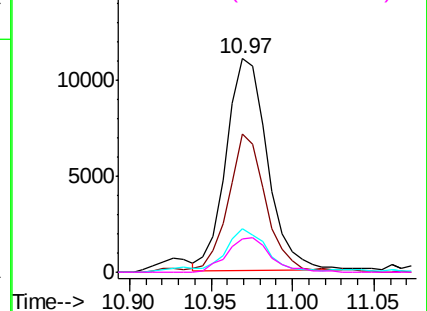


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 4.826 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW017075.D

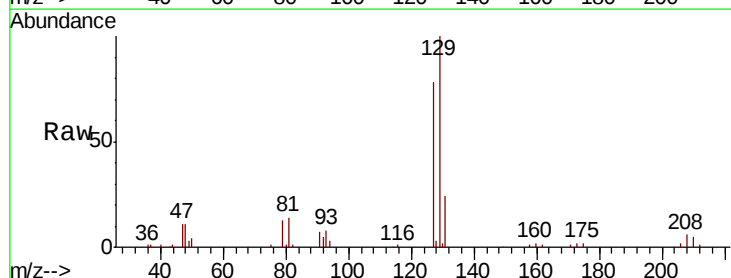
Acq: 04 Nov 2020 14:30

Tgt Ion: 129 Resp: 29153

Ion Ratio Lower Upper

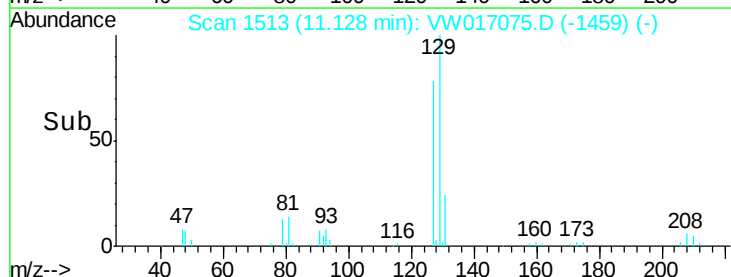
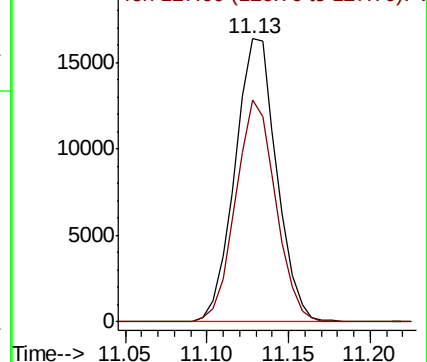
129 100

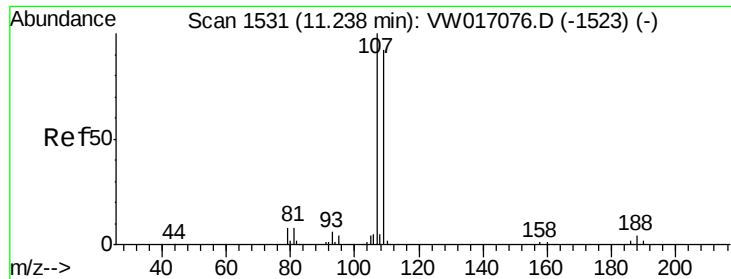
127 78.2 54.3 100.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

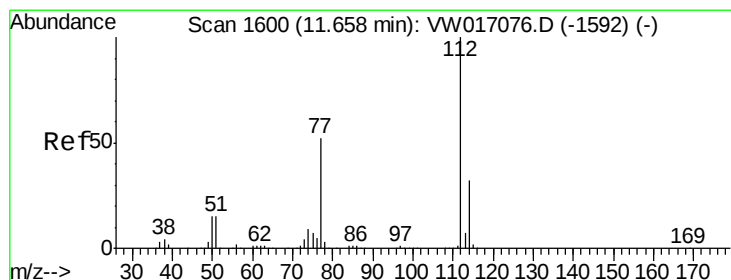
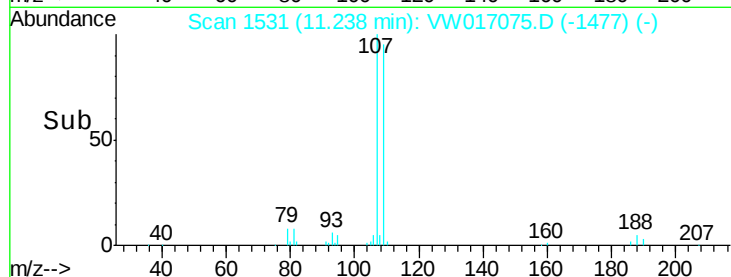
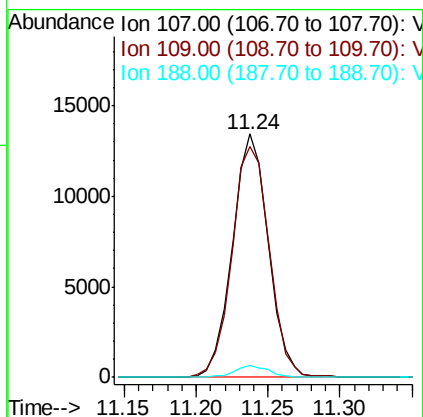
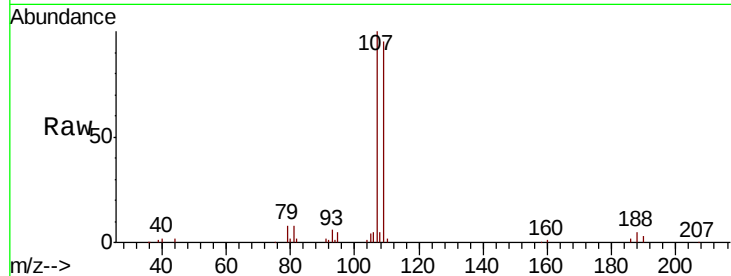




#51
 1,2-Dibromoethane
 Concen: 4.894 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW017075.D
 Acq: 04 Nov 2020 14:30

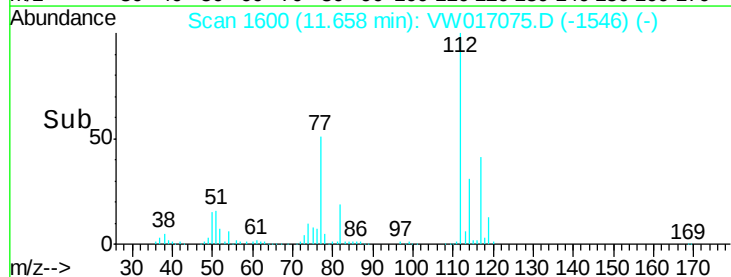
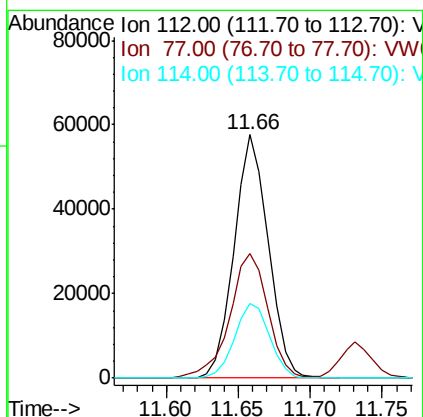
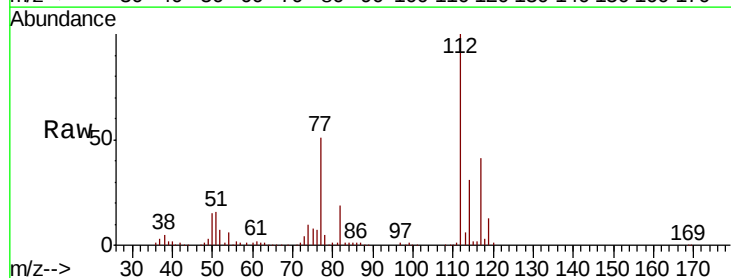
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00505

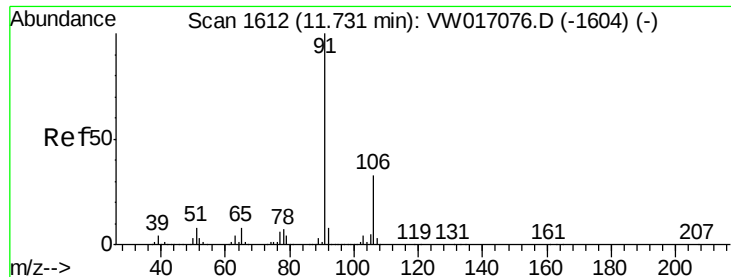
Tot Ion:107 Resp: 23400
 Ion Ratio Lower Upper
 107 100
 109 95.0 64.3 119.5
 188 5.1 3.3 4.9#



#52
 Chlorobenzene
 Concen: 4.837 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW017075.D
 Acq: 04 Nov 2020 14:30

Tgt Ion:112 Resp: 95060
 Ion Ratio Lower Upper
 112 100
 77 51.4 41.7 62.5
 114 30.6 22.3 41.3

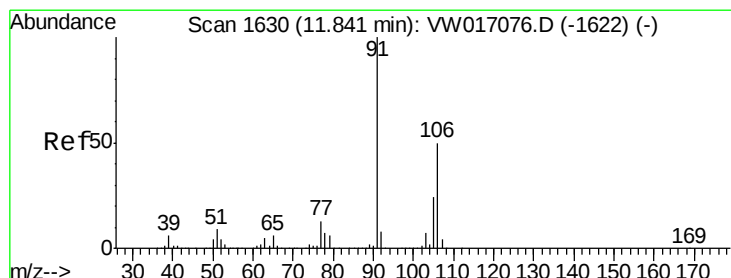
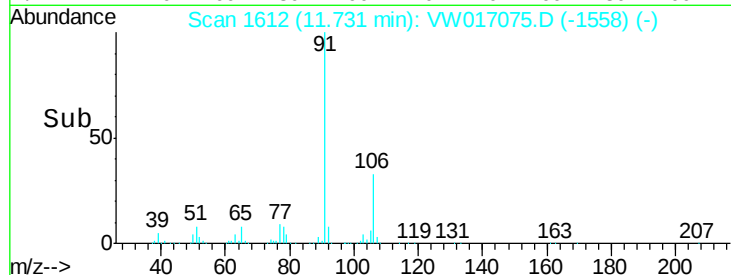
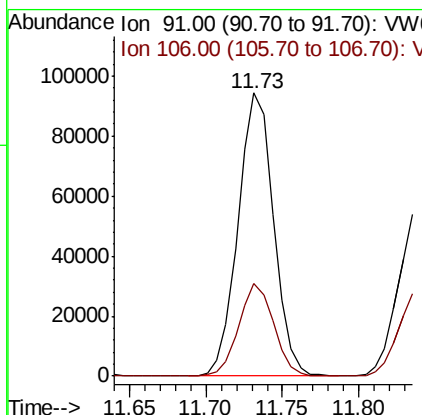
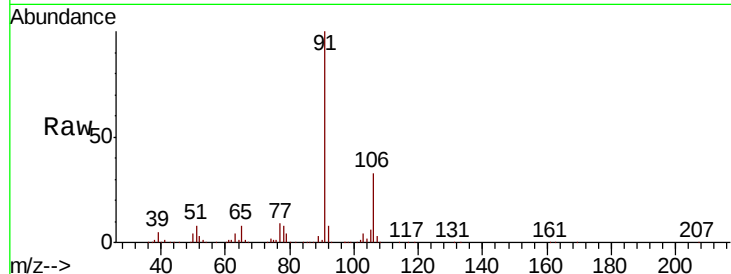




#53
Ethylbenzene
Concen: 4.649 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW017075.D
Acq: 04 Nov 2020 14:30

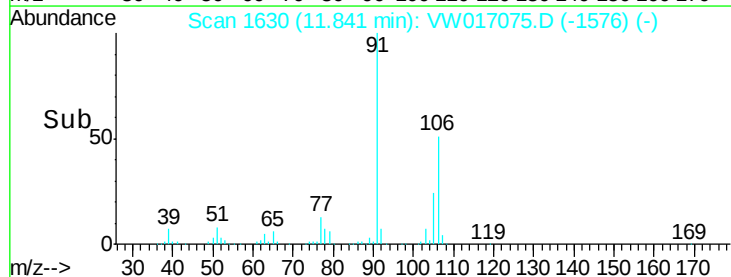
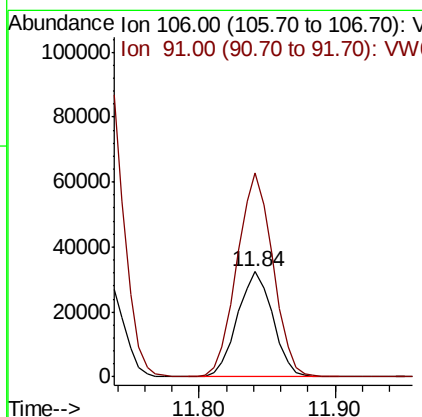
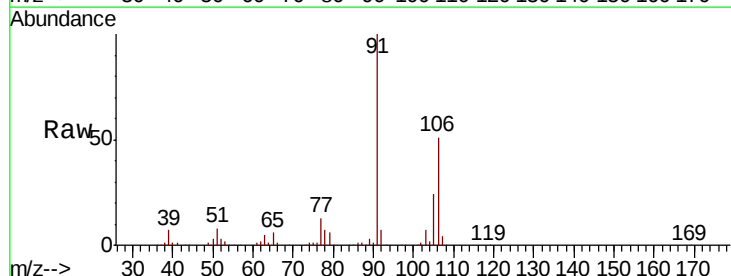
Instrument :
MSVOA_W
ClientSampleId :
VSTD00505

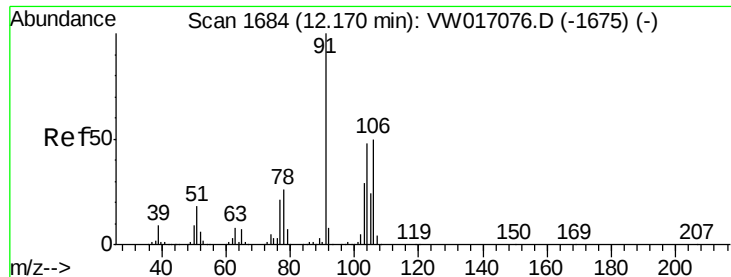
Tot Ion: 91 Resp: 152320
Ion Ratio Lower Upper
91 100
106 32.9 22.9 42.5



#54
m,p-Xylene
Concen: 4.614 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW017075.D
Acq: 04 Nov 2020 14:30

Tgt Ion: 106 Resp: 59431
Ion Ratio Lower Upper
106 100
91 194.3 138.7 257.5





#55

o-xylene

Concen: 4.553 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.01 min

Lab File: VW017075.D

Acq: 04 Nov 2020 14:30

Instrument :

MSVOA_W

ClientSampleId :

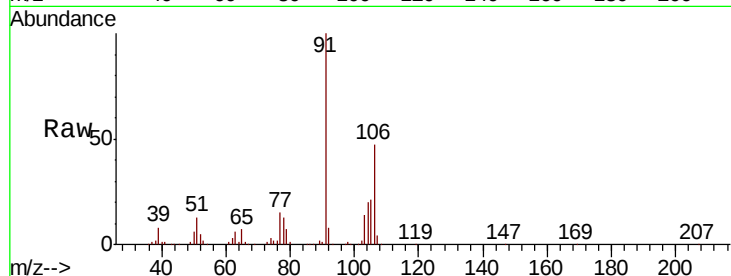
VSTD00505

Tot Ion:106 Resp: 55008

Ion Ratio Lower Upper

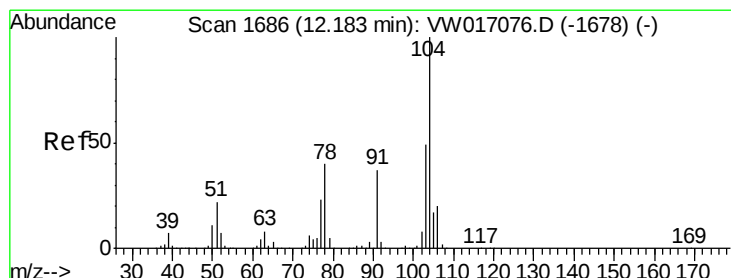
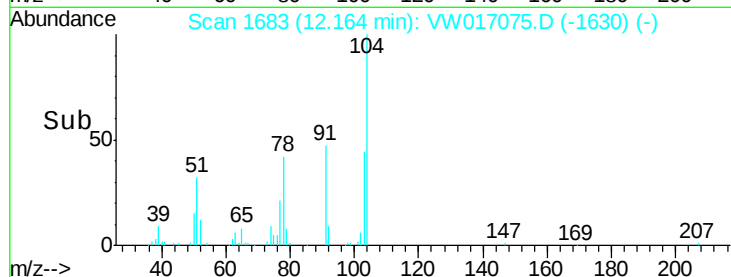
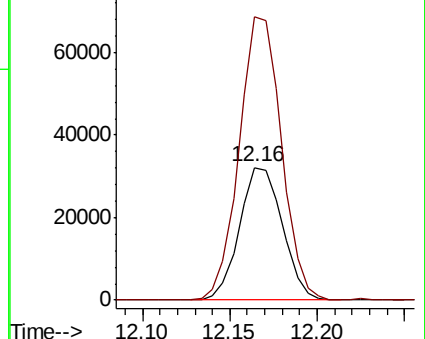
106 100

91 213.3 140.8 261.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 4.564 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW017075.D

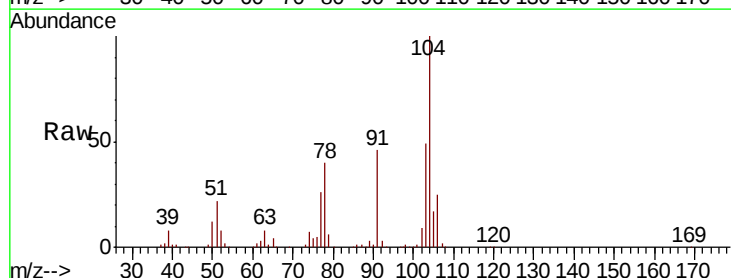
Acq: 04 Nov 2020 14:30

Tgt Ion:104 Resp: 92119

Ion Ratio Lower Upper

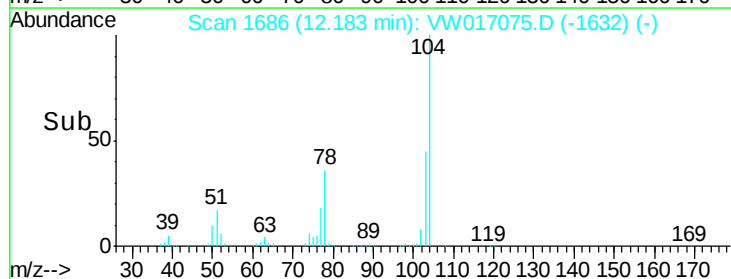
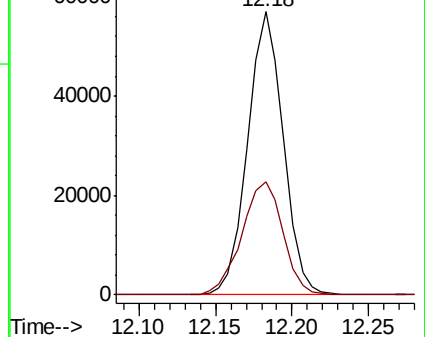
104 100

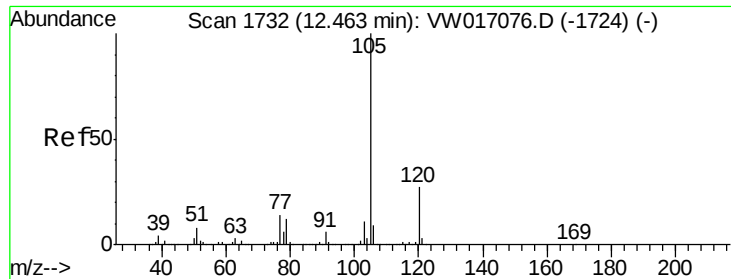
78 39.9 28.2 52.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 4.578 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW017075.D

Acq: 04 Nov 2020 14:30

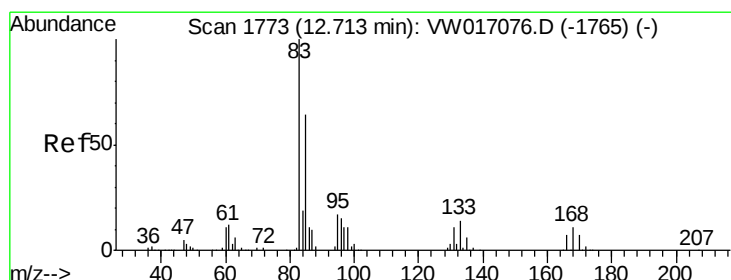
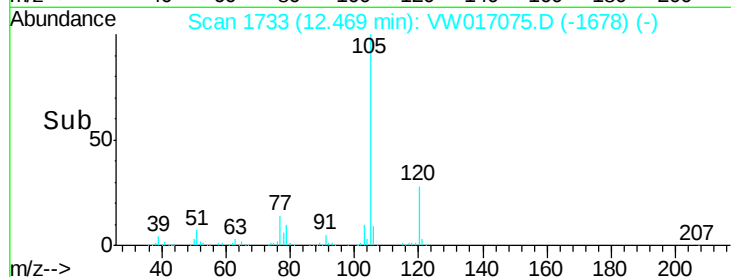
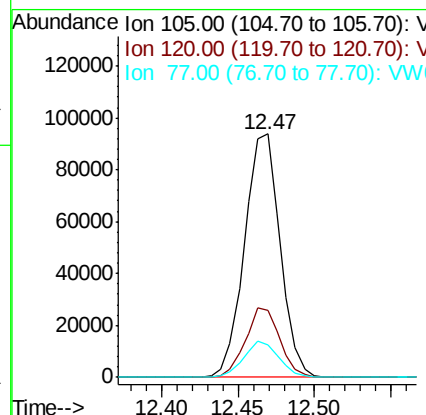
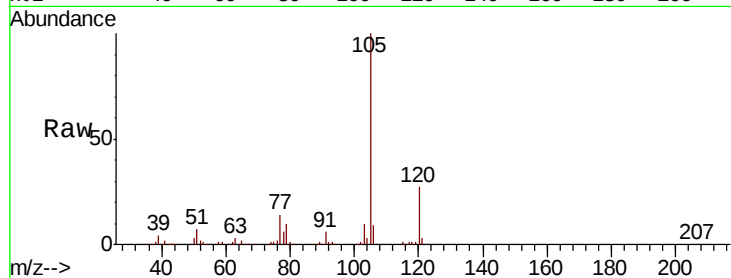
Instrument :

MSVOA_W

ClientSampleId :

VSTD00505

Tot Ion:	105	Resp:	151507
Ion	Ratio	Lower	Upper
105	100		
120	27.5	21.8	32.6
77	14.7	11.4	17.0



#58

1,1,2,2-Tetrachloroethane

Concen: 5.081 ug/L

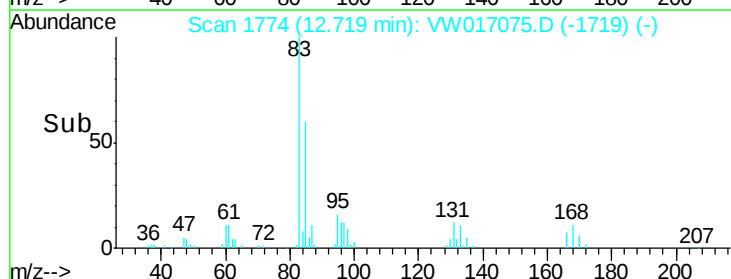
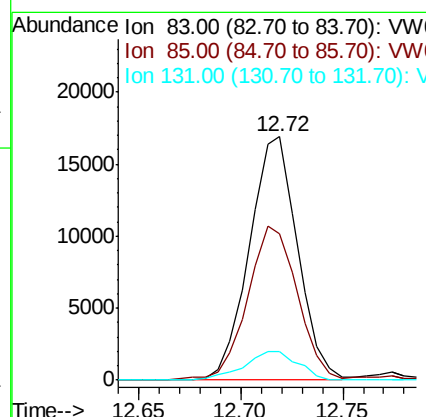
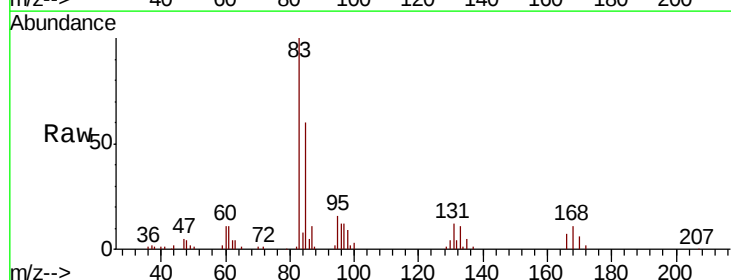
RT: 12.72 min Scan# 1774

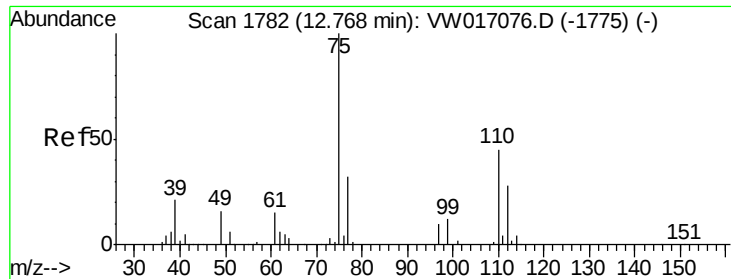
Delta R.T. 0.01 min

Lab File: VW017075.D

Acq: 04 Nov 2020 14:30

Tgt Ion:	83	Resp:	27760
Ion	Ratio	Lower	Upper
83	100		
85	60.4	44.9	83.5
131	11.9	8.8	13.2





#59

1,2,3-Trichloropropane

Concen: 5.182 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW017075.D

Acq: 04 Nov 2020 14:30

Instrument :

MSVOA_W

ClientSampleId :

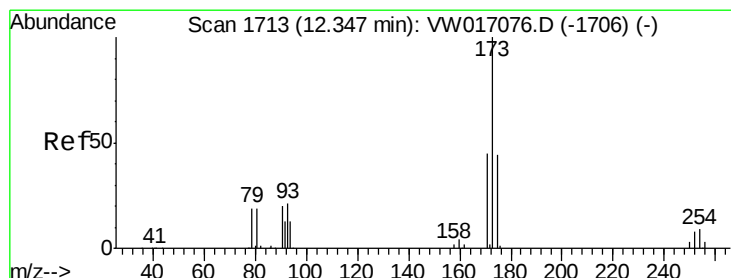
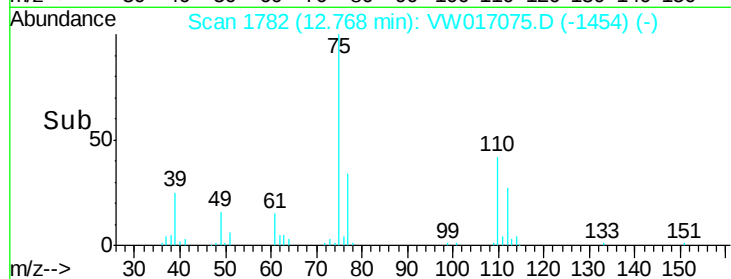
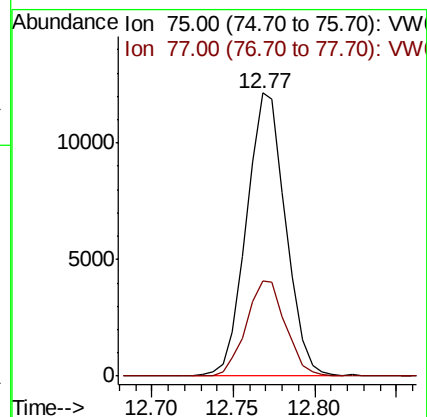
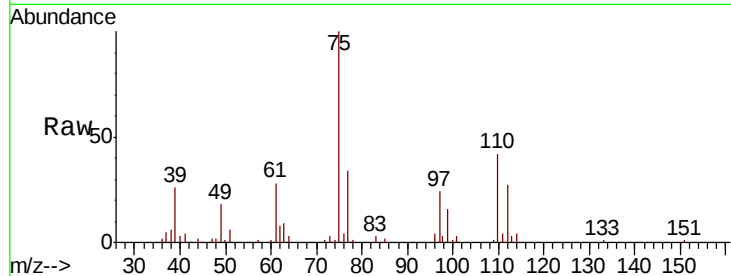
VSTD00505

Tot Ion: 75 Resp: 20278

Ion Ratio Lower Upper

75 100

77 33.8 26.4 39.6



#62

Bromoform

Concen: 4.697 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW017075.D

Acq: 04 Nov 2020 14:30

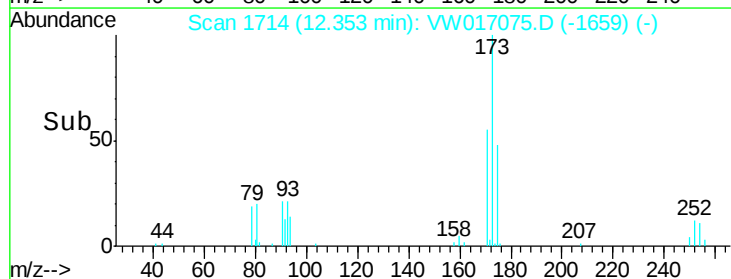
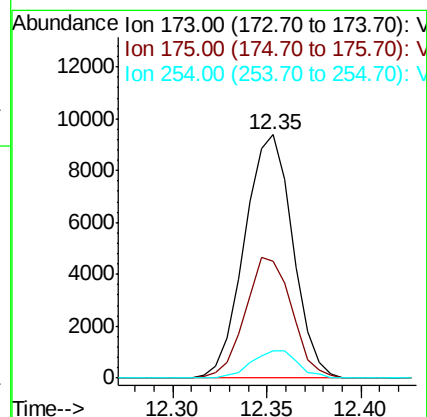
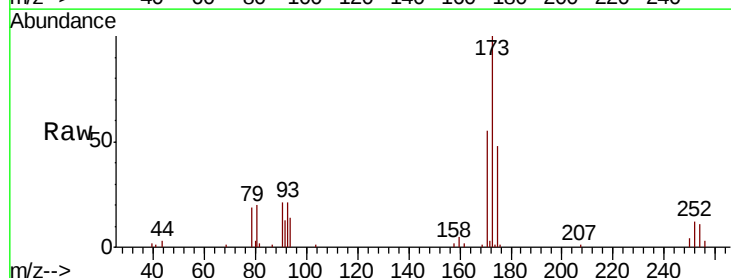
Tgt Ion: 173 Resp: 16633

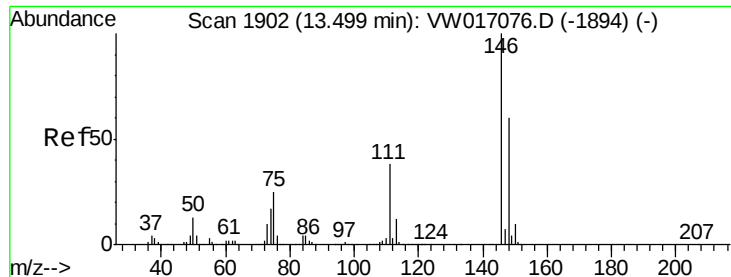
Ion Ratio Lower Upper

173 100

175 48.0 38.3 57.5

254 10.7 8.1 12.1

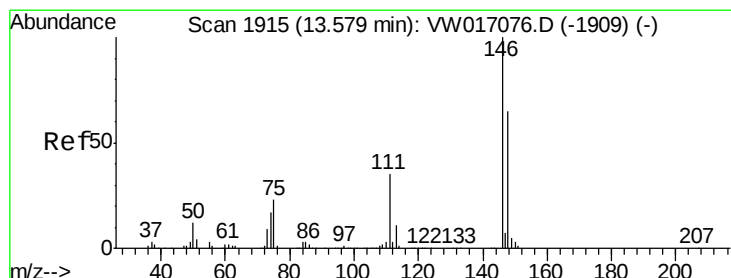
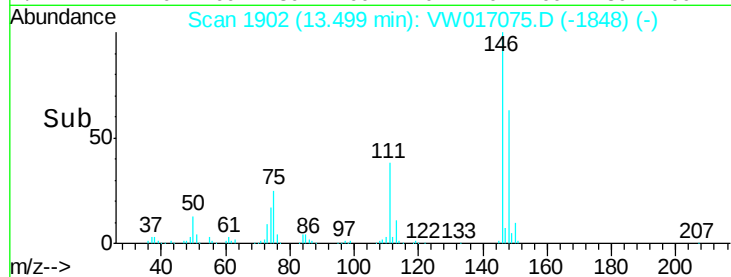
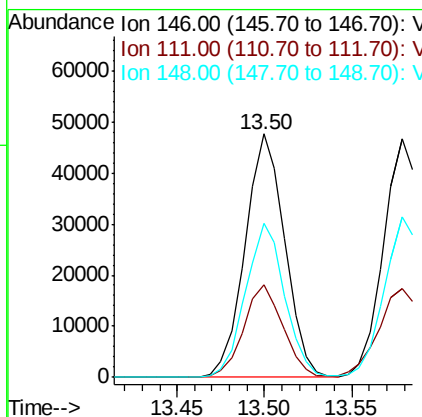
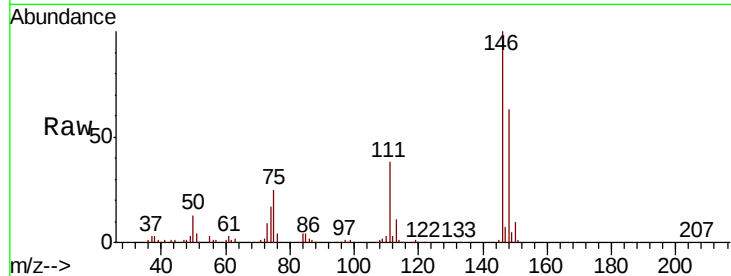




#63
 1,3-Dichlorobenzene
 Concen: 4.777 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW017075.D
 Acq: 04 Nov 2020 14:30

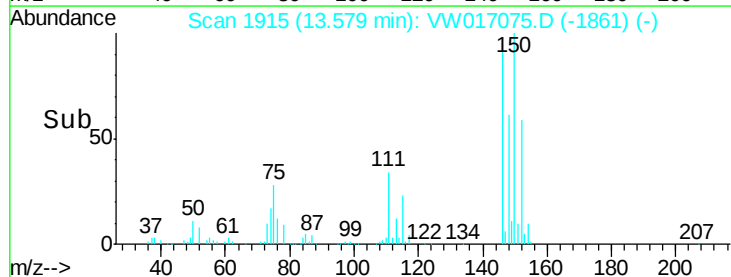
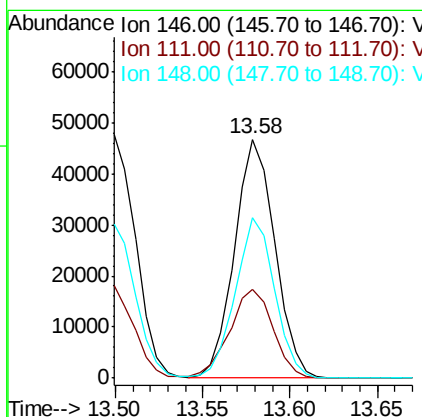
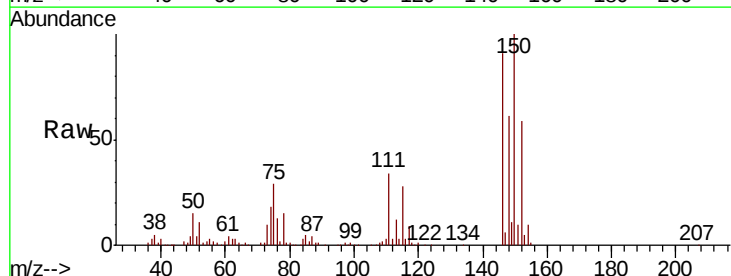
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00505

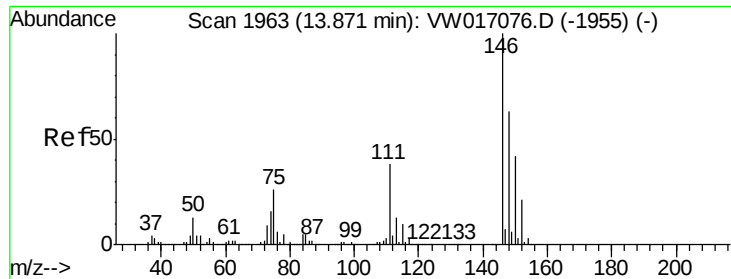
Tot Ion:146 Resp: 75010
 Ion Ratio Lower Upper
 146 100
 111 38.1 26.4 49.0
 148 63.2 42.1 78.1



#64
 1,4-Dichlorobenzene
 Concen: 4.792 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW017075.D
 Acq: 04 Nov 2020 14:30

Tgt Ion:146 Resp: 75188
 Ion Ratio Lower Upper
 146 100
 111 37.3 24.5 45.5
 148 67.0 45.5 84.5

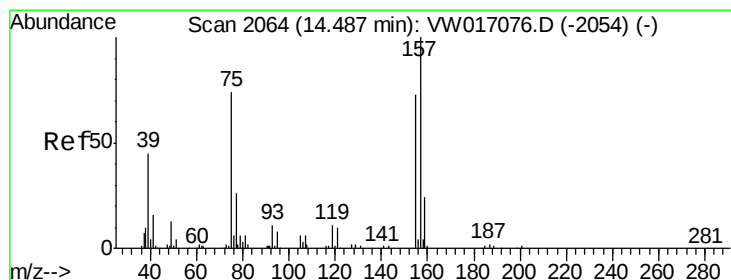
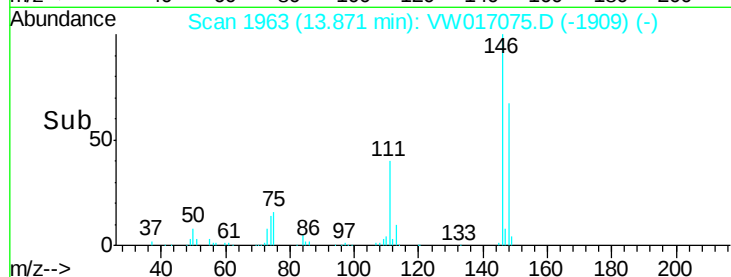
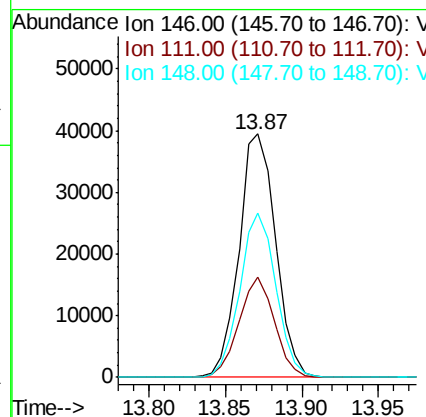
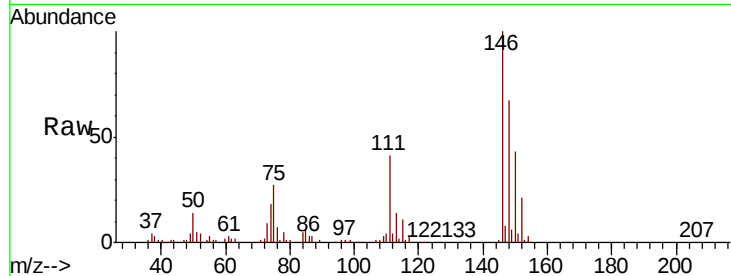




#65
 1,2-Dichlorobenzene
 Concen: 4.674 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW017075.D
 Acq: 04 Nov 2020 14:30

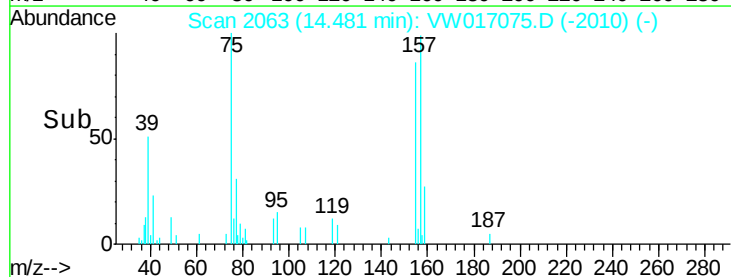
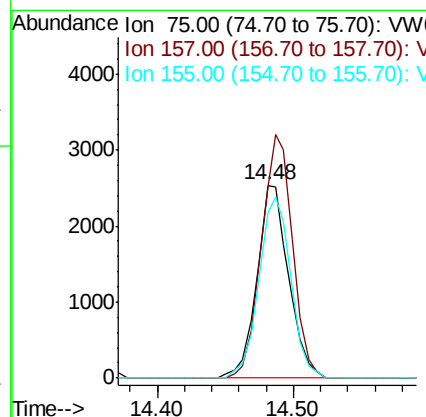
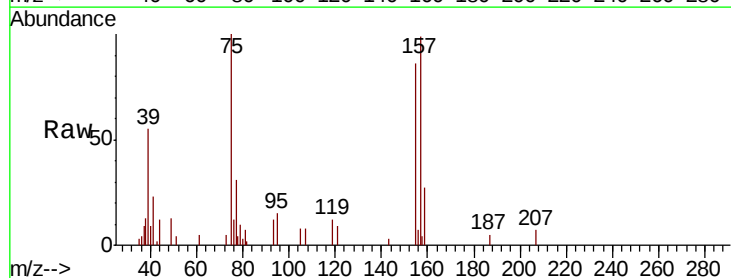
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00505

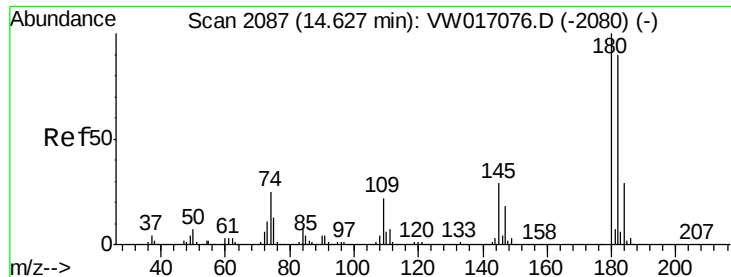
Tot Ion:146 Resp: 65574
 Ion Ratio Lower Upper
 146 100
 111 41.3 30.5 45.7
 148 67.3 50.3 75.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.172 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW017075.D
 Acq: 04 Nov 2020 14:30

Tgt Ion: 75 Resp: 4150
 Ion Ratio Lower Upper
 75 100
 157 99.3 108.2 162.4#
 155 86.1 79.1 118.7

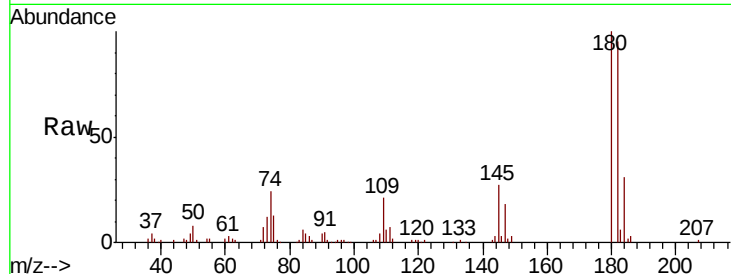




#67
 1,3,5-Trichlorobenzene
 Concen: 4.728 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW017075.D
 Acq: 04 Nov 2020 14:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00505

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	77.2	115.8
184	31.4	24.2	36.4
145	28.6	23.5	35.3



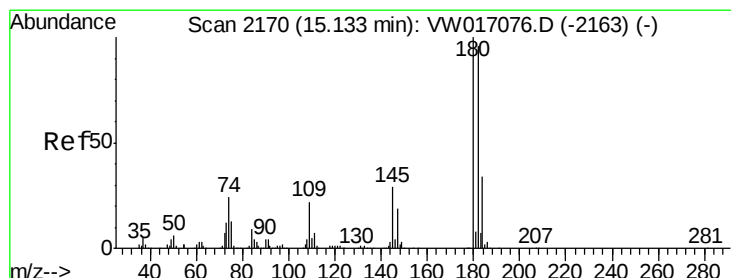
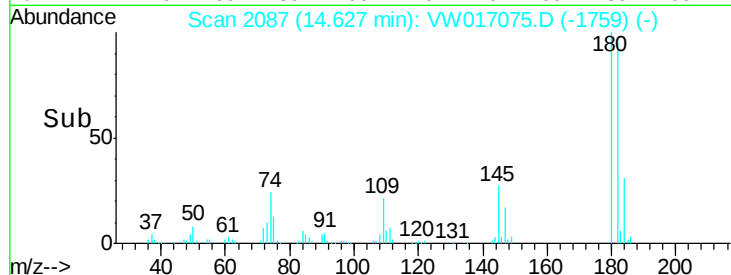
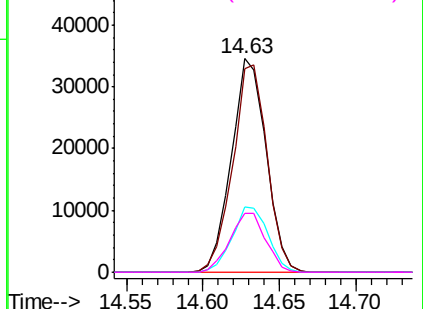
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

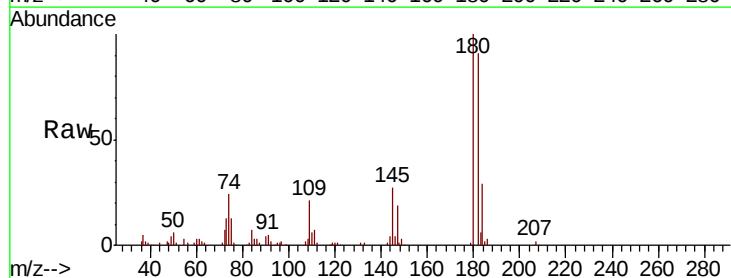
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.608 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW017075.D
 Acq: 04 Nov 2020 14:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.4	76.7	115.1
145	28.0	23.6	35.4

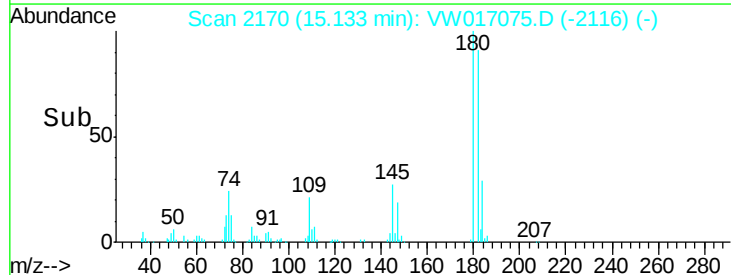
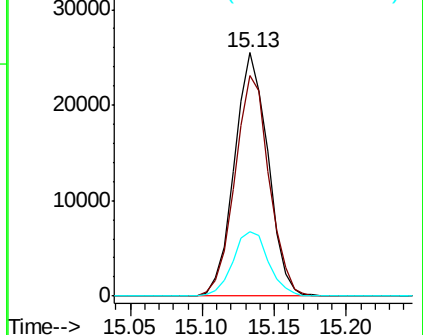


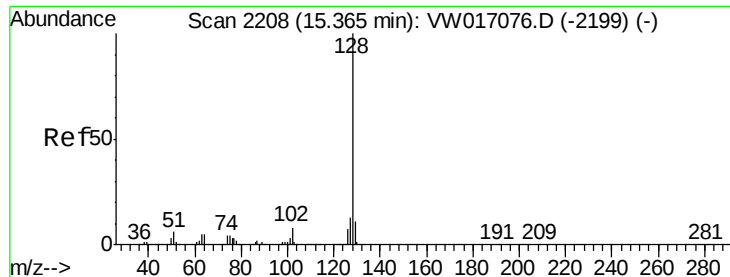
Abundance

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: 4.317 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW017075.D

Acq: 04 Nov 2020 14:30

Instrument :

MSVOA_W

ClientSampleId :

VSTD00505

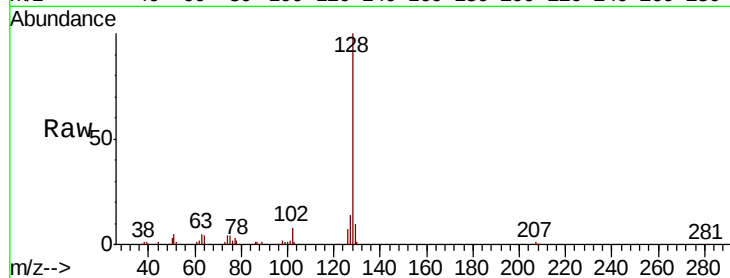
Tot Ion:128 Resp: 65841

Ion Ratio Lower Upper

128 100

129 11.2 8.6 12.8

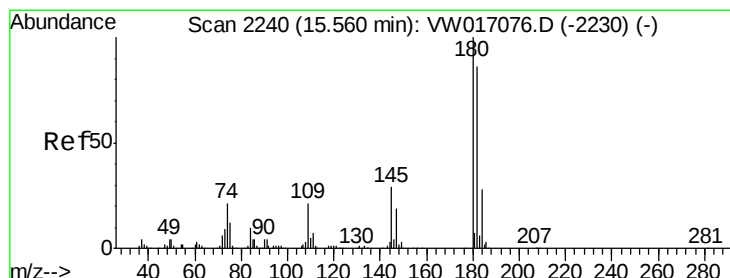
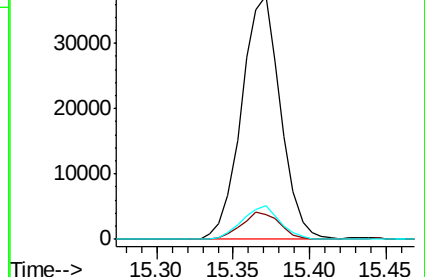
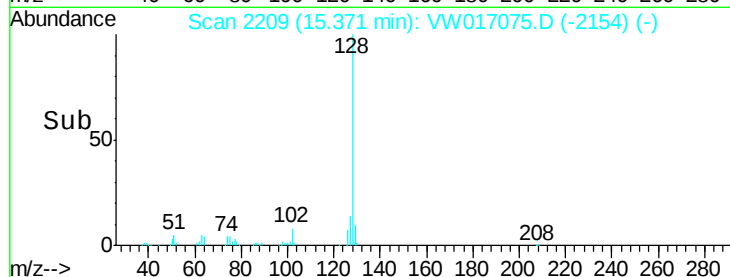
127 13.2 10.2 15.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.712 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW017075.D

Acq: 04 Nov 2020 14:30

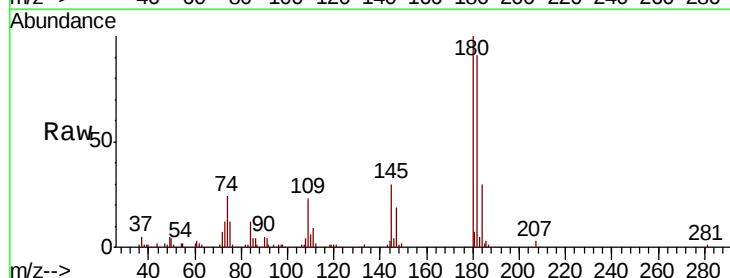
Tgt Ion:180 Resp: 37481

Ion Ratio Lower Upper

180 100

182 94.9 75.5 113.3

145 31.3 24.5 36.7



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

