

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111720\
 Data File : VW017317.D
 Acq On : 18 Nov 2020 04:13
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

Quant Time: Nov 18 04:54:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 18 04:50:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	402279	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	372058	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	183714	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	99805	19.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.80%
7) Chloroethane-d5	2.89	69	95825	24.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.16%
10) 1,1-Dichloroethene-d2	4.03	63	209846	23.15	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	92.60%
20) 2-Butanone-d5	7.07	46	57080	50.37	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.74%
24) Chloroform-d	7.65	84	271012	28.86	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	115.44%
26) 1,2-Dichloroethane-d4	8.30	65	129274	27.69	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	110.76%
29) Benzene-d6	8.27	84	496594	26.21	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	104.84%
33) 1,2-Dichloropropane-d6	9.28	67	140993	26.90	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	107.60%
37) Toluene-d8	10.32	98	459216	25.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.80%
38) trans-1,3-Dichloropropene-	10.58	79	57212	24.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.84%
39) 2-Hexanone-d5	10.93	63	46882	51.26	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.52%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	121945	26.71	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	106.84%
61) 1,2-Dichlorobenzene-d4	13.85	152	181407	28.03	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	112.12%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	79377	19.667	ug/L	98
3) Chloromethane	2.21	50	81903	22.359	ug/L	100
5) Vinyl chloride	2.36	62	131483	24.473	ug/L	98
6) Bromomethane	2.78	94	94758	25.504	ug/L	98
8) Chloroethane	2.92	64	86927	26.816	ug/L	97
9) Trichlorofluoromethane	3.26	101	119778	27.412	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	132590	25.535	ug/L	99
12) 1,1-Dichloroethene	4.04	96	123944	24.824	ug/L	90
13) Acetone	4.12	43	33549	44.219	ug/L	98
14) Carbon disulfide	4.38	76	287785	21.180	ug/L	100
15) Methyl Acetate	4.67	43	40541	21.559	ug/L	96
16) Methylene chloride	4.92	84	139218	25.669	ug/L	95
17) Methyl tert-butyl Ether	5.42	73	163844	26.874	ug/L #	92
18) trans-1,2-Dichloroethene	5.43	96	134146	25.955	ug/L	96
19) 1,1-Dichloroethane	6.22	63	224892	27.465	ug/L	96
21) 2-Butanone	7.17	43	51297	42.108	ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	146354	26.782	ug/L	98

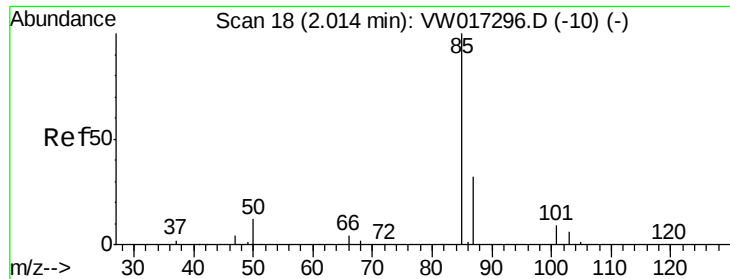
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111720\
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 Quant Title : VOC Analysis
 QLast Update : Wed Nov 18 04:50:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	68105	25.886	ug/L	95
25) Chloroform	7.68	83	254587	28.558	ug/L	100
27) 1,2-Dichloroethane	8.40	62	145568	27.248	ug/L	96
30) Cyclohexane	7.96	56	166309	23.740	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	217192	28.506	ug/L	99
32) Carbon tetrachloride	8.07	117	205740	27.984	ug/L	98
34) Benzene	8.32	78	523035	26.772	ug/L	100
35) Trichloroethene	9.09	95	143726	26.262	ug/L	99
36) Methylcyclohexane	9.34	83	217339	24.680	ug/L	99
40) 1,2-Dichloropropane	9.37	63	122128	26.742	ug/L	100
41) Bromodichloromethane	9.65	83	178022	28.184	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	187486	25.919	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	118568	42.081	ug/L	99
44) Toluene	10.39	91	589877	27.430	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	158950	25.587	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	100050	25.409	ug/L	97
47) Tetrachloroethene	10.87	164	123544	25.021	ug/L	98
49) 2-Hexanone	10.97	43	78487	46.205	ug/L	97
50) Dibromochloromethane	11.13	129	127708	26.622	ug/L	99
51) 1,2-Dibromoethane	11.24	107	94941	24.819	ug/L	100
52) Chlorobenzene	11.66	112	394811	27.145	ug/L	99
53) Ethylbenzene	11.73	91	668399	27.827	ug/L	97
54) m,p-Xylene	11.84	106	256731	27.324	ug/L	97
55) o-xylene	12.17	106	247988	27.807	ug/L	99
56) Styrene	12.18	104	419584	28.022	ug/L	98
57) Isopropylbenzene	12.47	105	687913	28.422	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	110393	24.269	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	76577	23.421	ug/L	100
62) Bromoform	12.35	173	71439	25.332	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	314936	27.558	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	311023	27.089	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	284775	27.632	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	16004	23.487	ug/L	93
67) 1,3,5-Trichlorobenzene	14.63	180	226526	26.899	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	183439	27.296	ug/L	97
69) Naphthalene	15.36	128	304136	24.592	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	161801	26.350	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 19.667 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW017317.D

Acq: 18 Nov 2020 04:13

Instrument :

MSVOA_W

ClientSampleId :

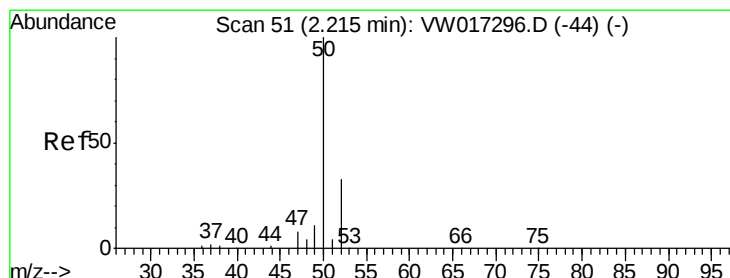
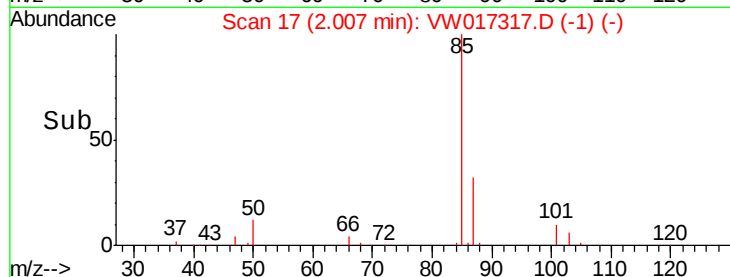
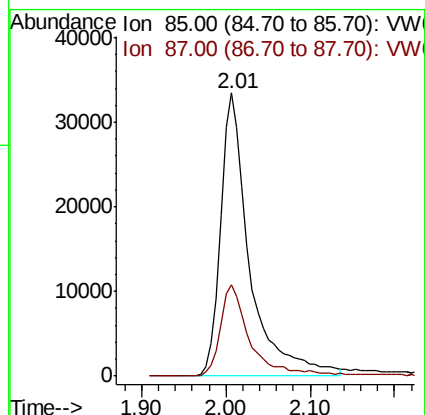
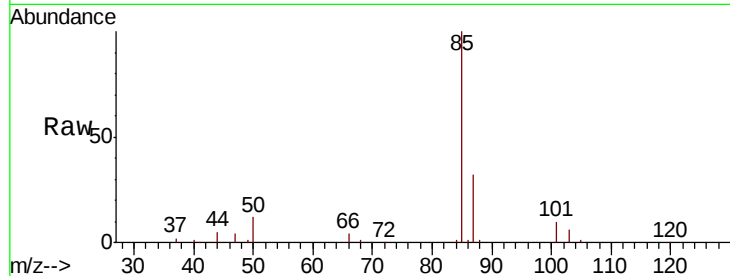
VSTD02511

Tot Ion: 85 Resp: 79377

Ion Ratio Lower Upper

85 100

87 29.4 21.5 39.9



#3

Chloromethane

Concen: 22.359 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW017317.D

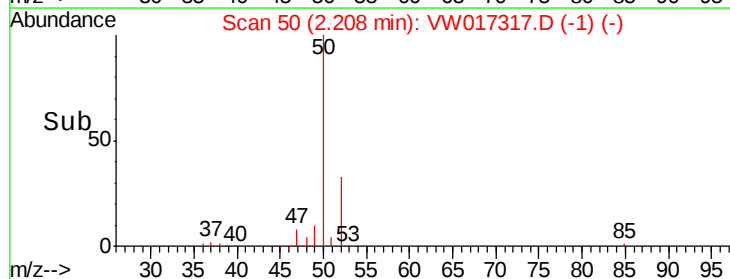
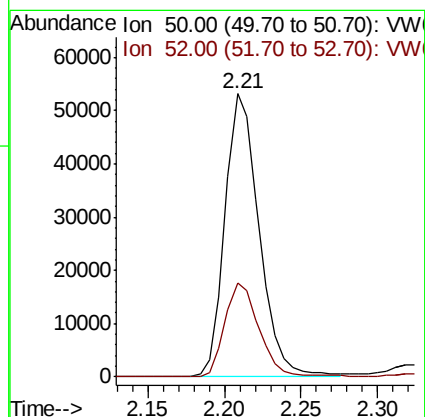
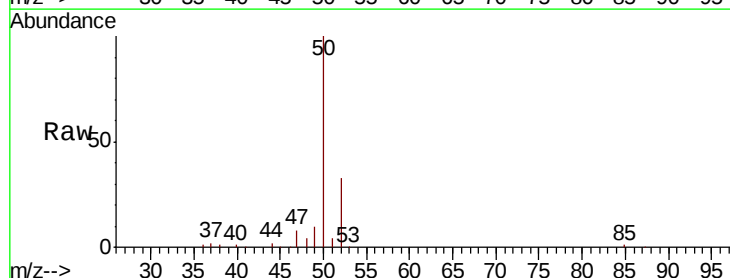
Acq: 18 Nov 2020 04:13

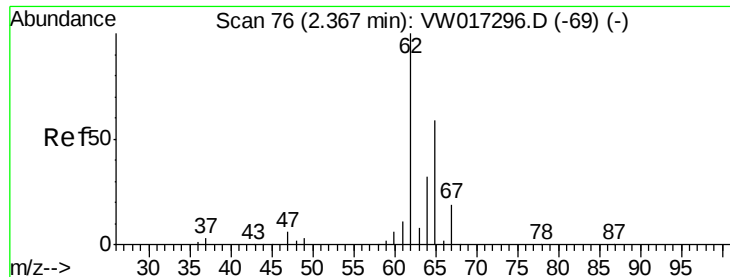
Tgt Ion: 50 Resp: 81903

Ion Ratio Lower Upper

50 100

52 33.2 23.1 42.9





#5

Vinyl chloride

Concen: 24.473 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW017317.D

Acq: 18 Nov 2020 04:13

Instrument :

MSVOA_W

ClientSampleId :

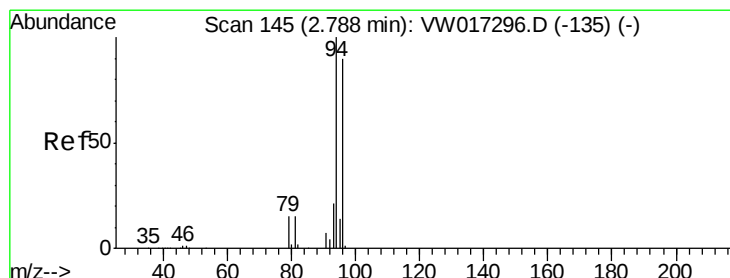
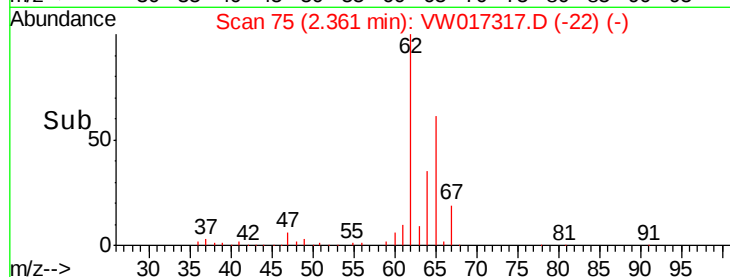
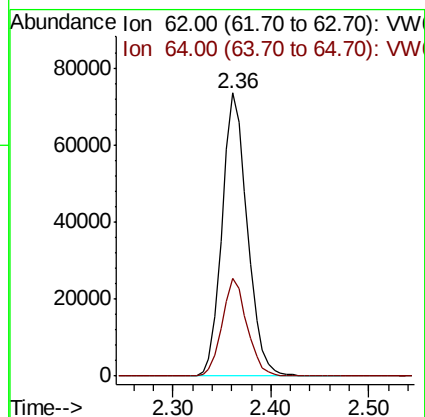
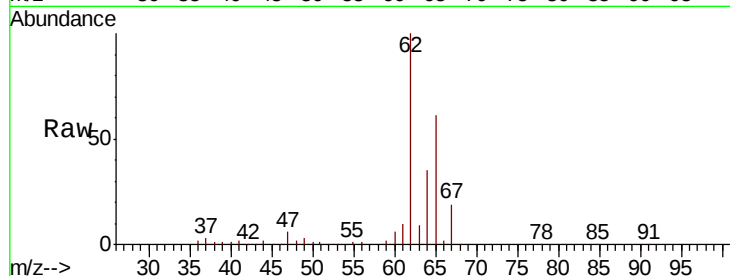
VSTD02511

Tot Ion: 62 Resp: 131483

Ion Ratio Lower Upper

62 100

64 34.7 23.3 43.3



#6

Bromomethane

Concen: 25.504 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW017317.D

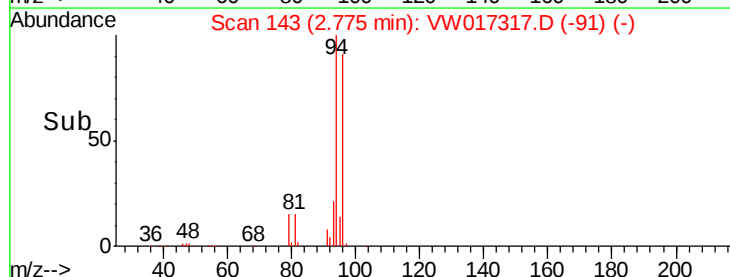
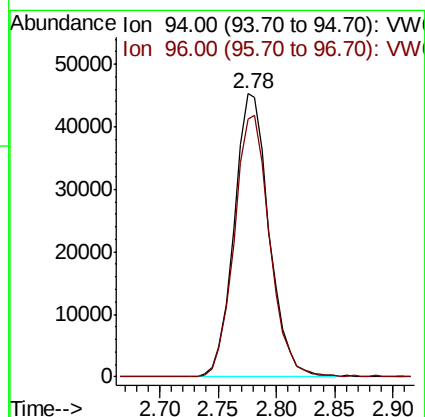
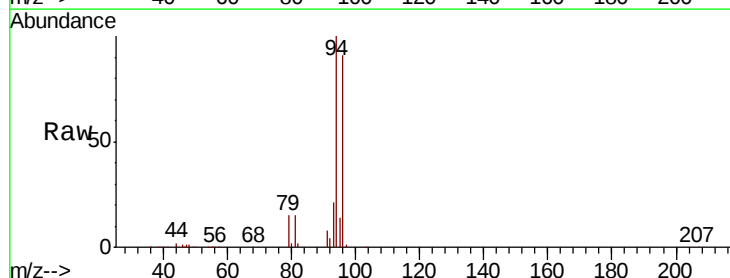
Acq: 18 Nov 2020 04:13

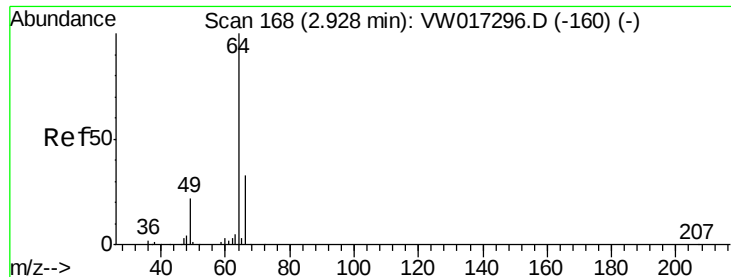
Tgt Ion: 94 Resp: 94758

Ion Ratio Lower Upper

94 100

96 93.8 9.6 181.8





#8

Chloroethane

Concen: 26.816 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW017317.D

Acq: 18 Nov 2020 04:13

Instrument :

MSVOA_W

ClientSampleId :

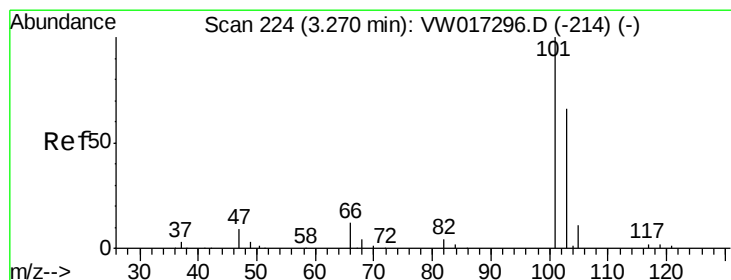
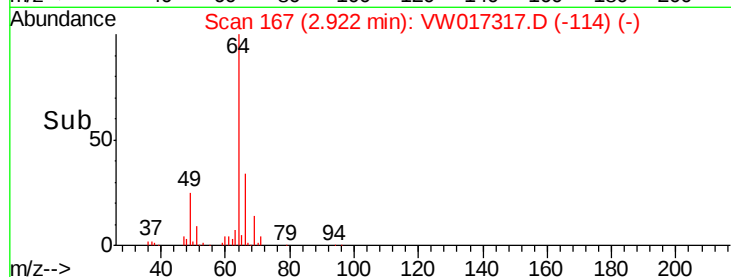
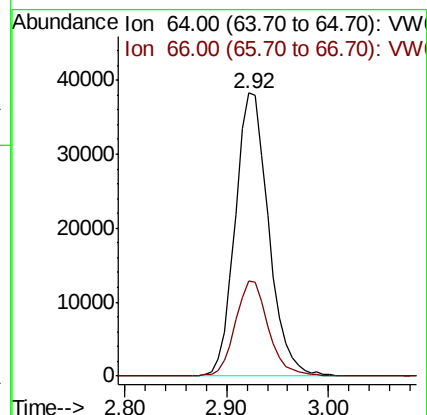
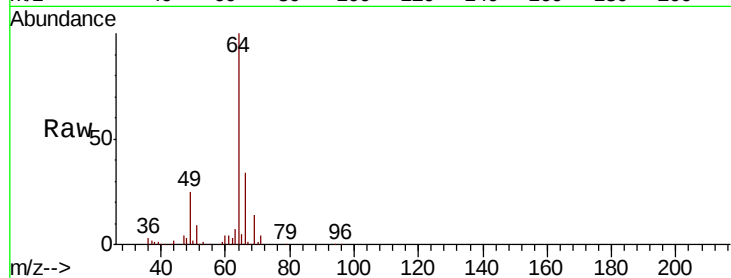
VSTD02511

Tot Ion: 64 Resp: 86927

Ion Ratio Lower Upper

64 100

66 33.6 22.3 41.5



#9

Trichlorofluoromethane

Concen: 27.412 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.01 min

Lab File: VW017317.D

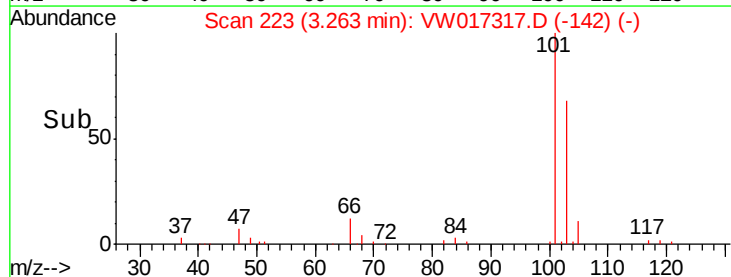
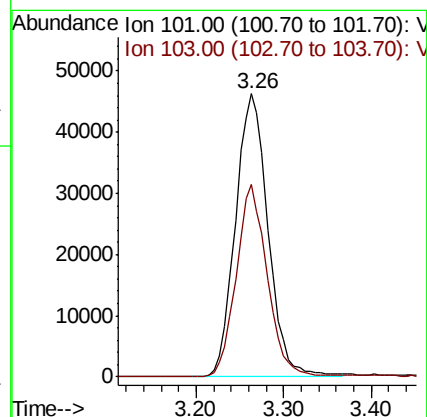
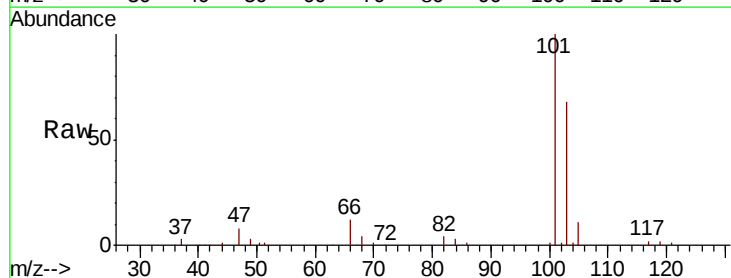
Acq: 18 Nov 2020 04:13

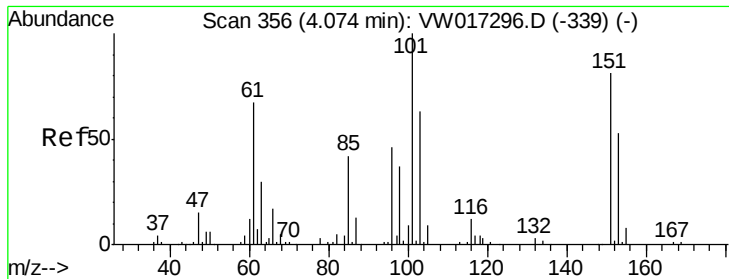
Tgt Ion: 101 Resp: 119778

Ion Ratio Lower Upper

101 100

103 64.3 45.4 84.2





#11

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

Concen: 25.535 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.01 min

Lab File: VW017317.D

Acq: 18 Nov 2020 04:13

Instrument :

MSVOA_W

ClientSampleId :

VSTD02511

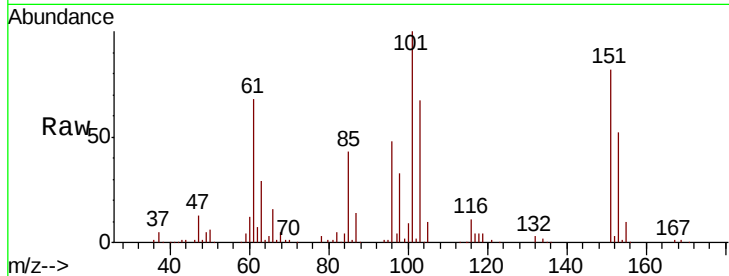
Tot Ion:101 Resp: 132590

Ion Ratio Lower Upper

101 100

85 41.4 32.8 49.2

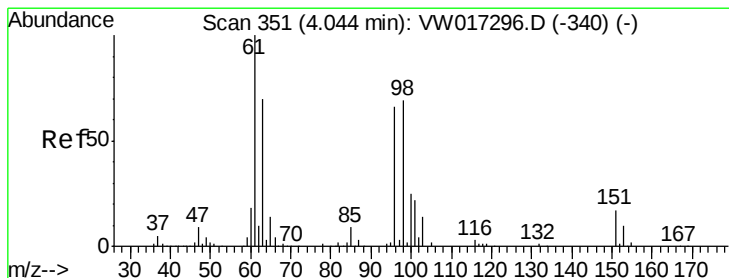
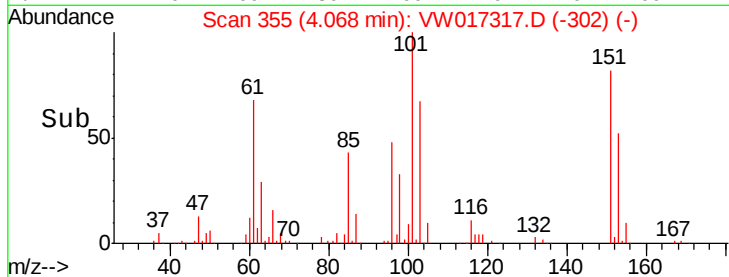
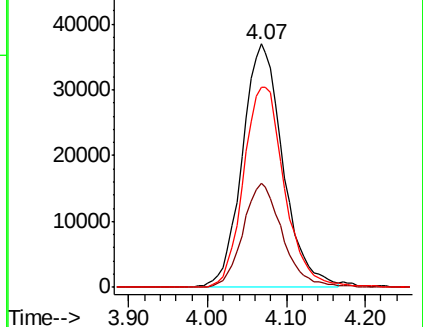
151 82.9 65.4 98.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 24.824 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.00 min

Lab File: VW017317.D

Acq: 18 Nov 2020 04:13

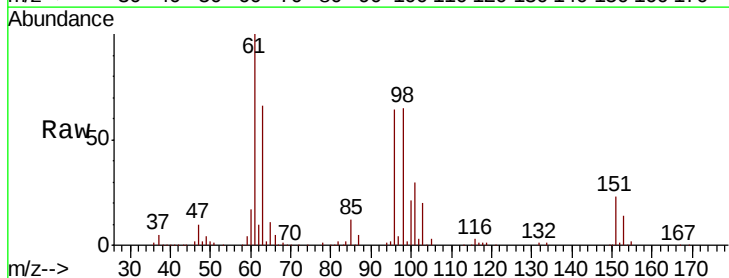
Tgt Ion: 96 Resp: 123944

Ion Ratio Lower Upper

96 100

61 155.1 103.8 192.8

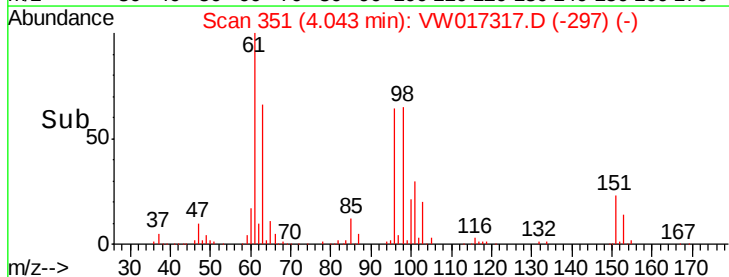
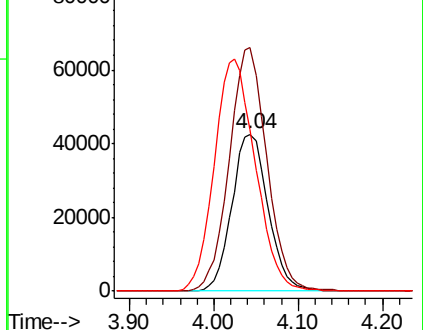
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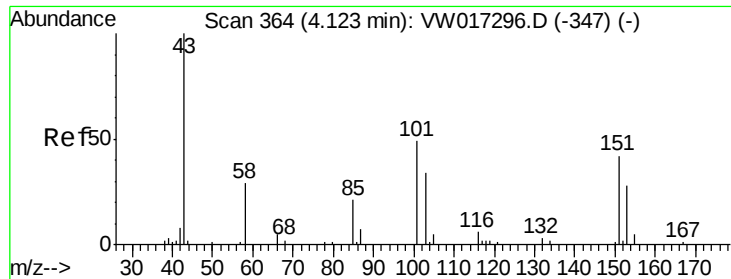


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 44.219 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW017317.D

Acq: 18 Nov 2020 04:13

Instrument :

MSVOA_W

ClientSampleId :

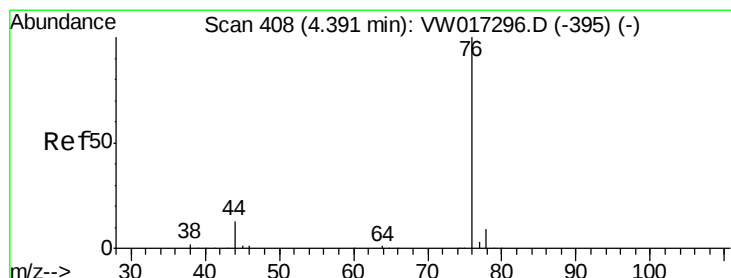
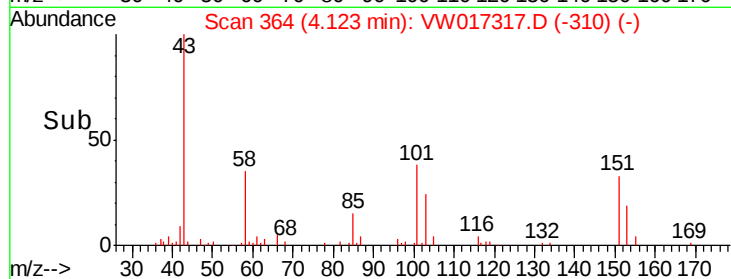
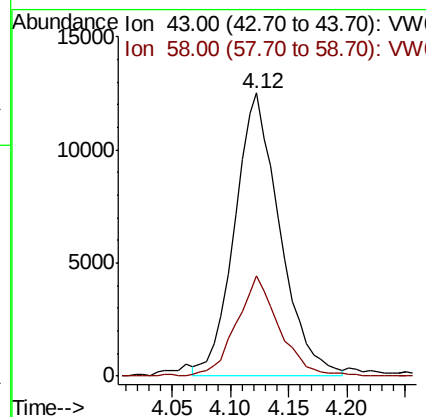
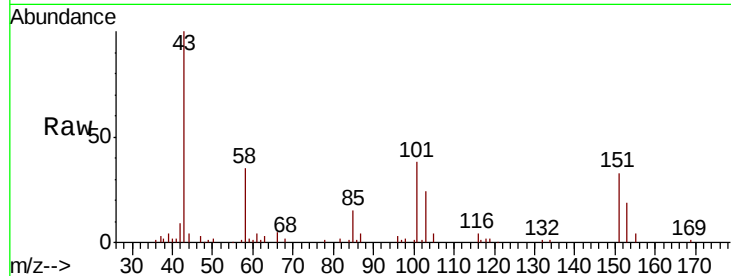
VSTD02511

Tot Ion: 43 Resp: 33549

Ion Ratio Lower Upper

43 100

58 33.2 0.0 69.2



#14

Carbon disulfide

Concen: 21.180 ug/L

RT: 4.38 min Scan# 407

Delta R.T. -0.01 min

Lab File: VW017317.D

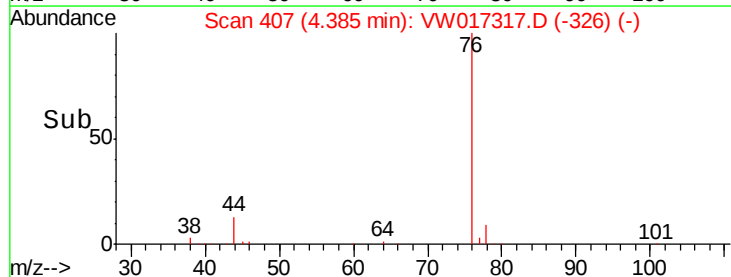
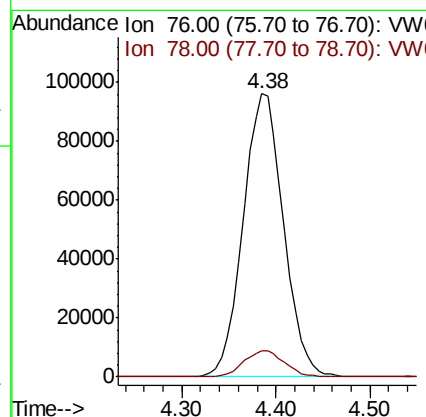
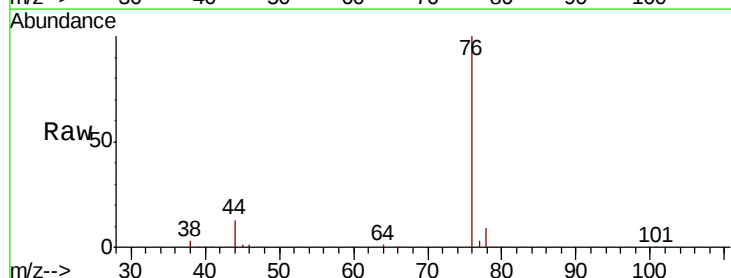
Acq: 18 Nov 2020 04:13

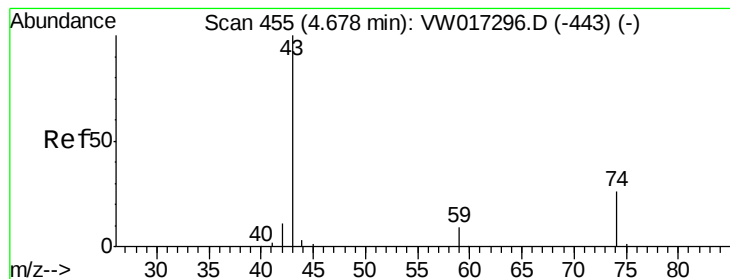
Tgt Ion: 76 Resp: 287785

Ion Ratio Lower Upper

76 100

78 9.4 7.6 11.4





#15

Methvl Acetate

Concen: 21.559 ug/L

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW017317.D

Acq: 18 Nov 2020 04:13

Instrument :

MSVOA_W

ClientSampled :

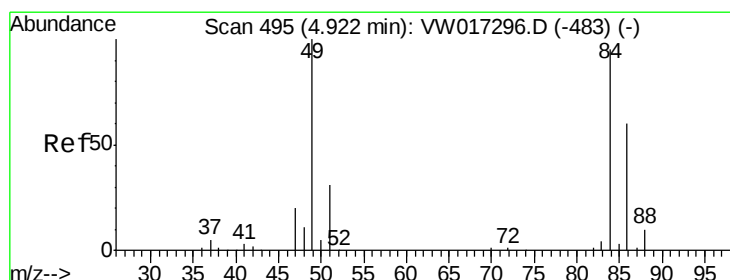
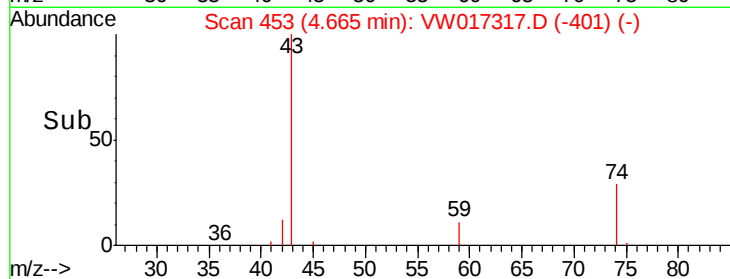
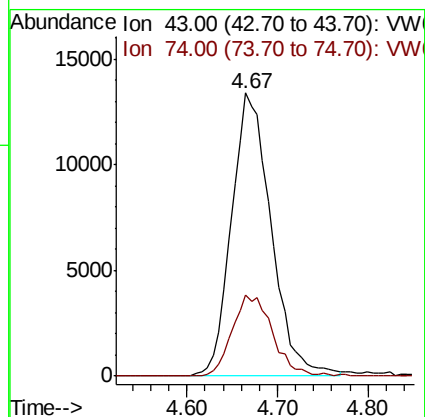
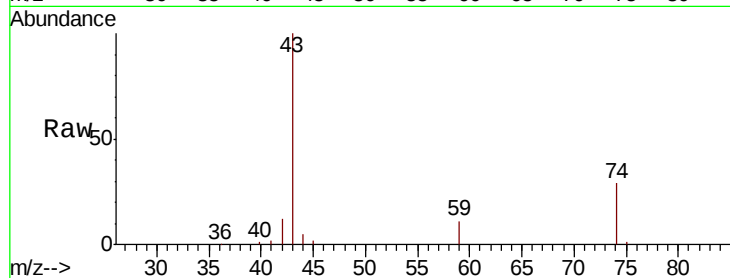
VSTD02511

Tot Ion: 43 Resp: 40541

Ion Ratio Lower Upper

43 100

74 28.9 21.5 32.3



#16

Methylene chloride

Concen: 25.669 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW017317.D

Acq: 18 Nov 2020 04:13

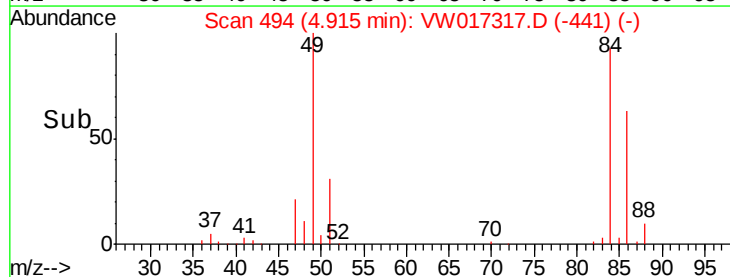
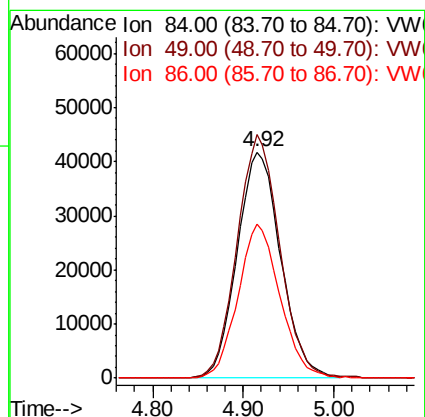
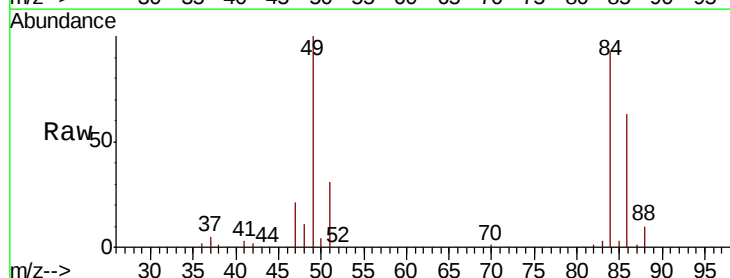
Tgt Ion: 84 Resp: 139218

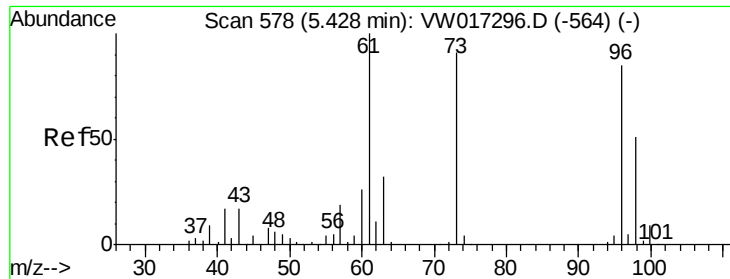
Ion Ratio Lower Upper

84 100

49 107.8 72.3 134.3

86 68.2 45.1 83.7

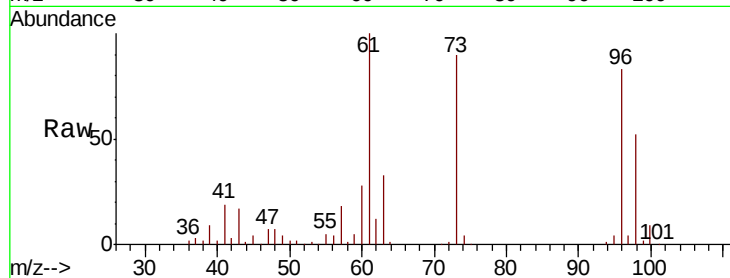




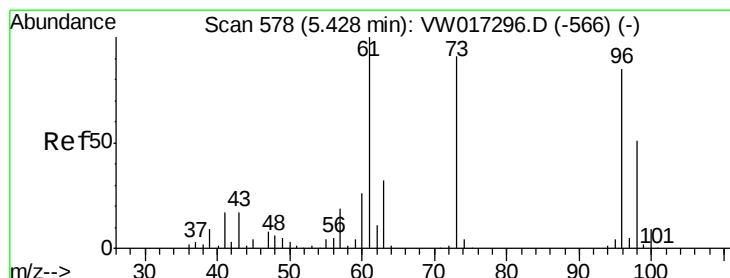
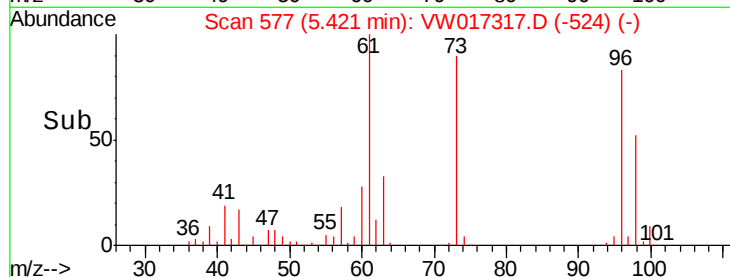
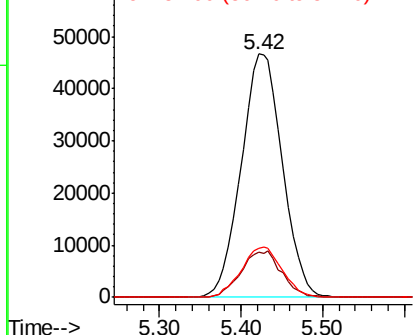
#17
Methvl tert-butvl Ether
Concen: 26.874 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW017317.D
Acq: 18 Nov 2020 04:13

Instrument :
MSVOA_W
ClientSampleId :
VSTD02511

Tot Ion: 73 Resp: 163844
Ion Ratio Lower Upper
73 100
43 11.2 14.5 21.7#
57 20.6 16.3 24.5

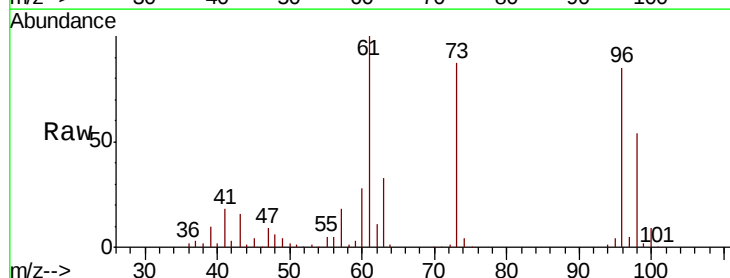


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

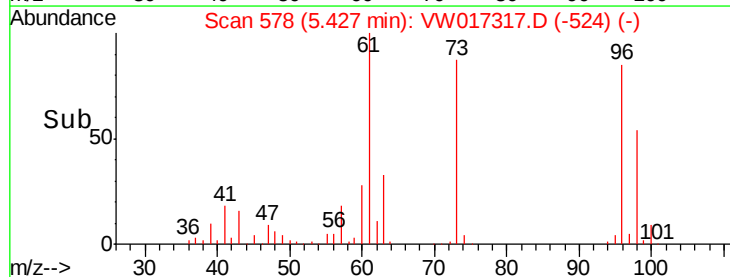
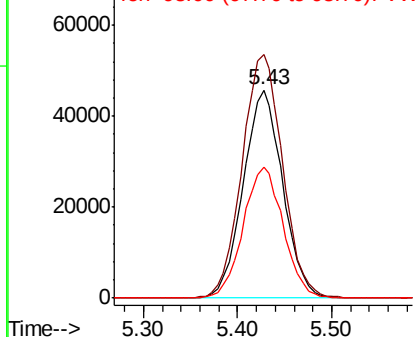


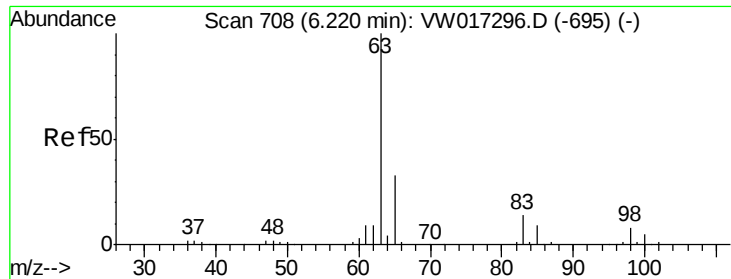
#18
trans-1,2-Dichloroethene
Concen: 25.955 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW017317.D
Acq: 18 Nov 2020 04:13

Tgt Ion: 96 Resp: 134146
Ion Ratio Lower Upper
96 100
61 117.0 86.8 161.2
98 62.8 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



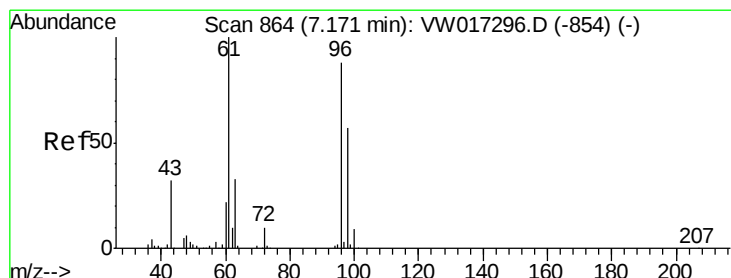
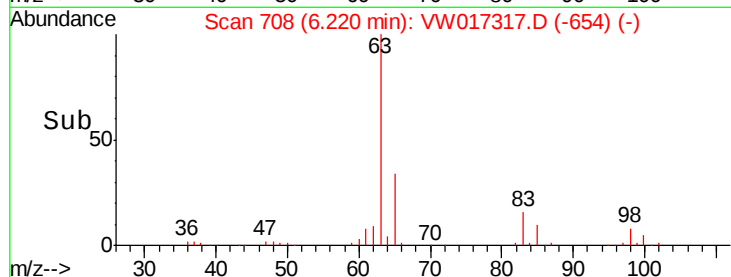
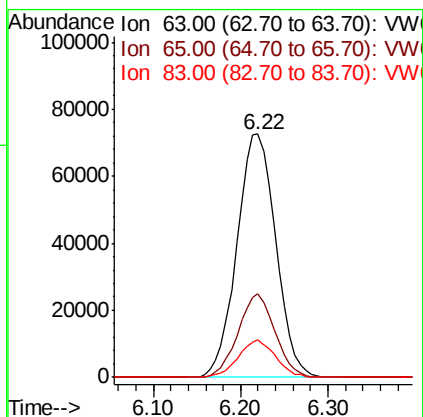
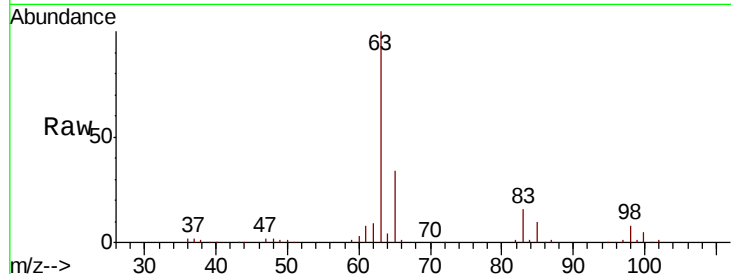


#19
 1,1-Dichloroethane
 Concen: 27.465 ug/L
 RT: 6.22 min Scan# 708
 Delta R.T. -0.00 min
 Lab File: VW017317.D
 Acq: 18 Nov 2020 04:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

Tot Ion: 63 Resp: 224892

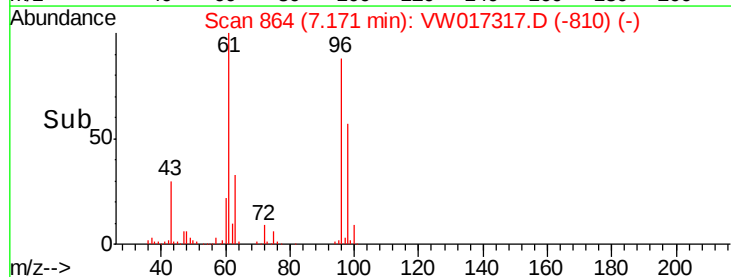
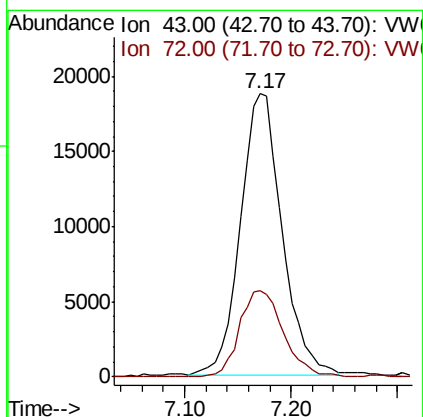
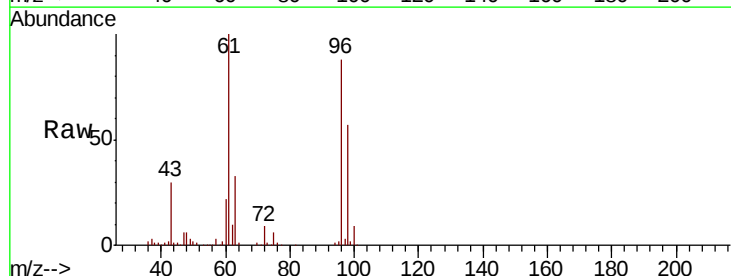
Ion	Ratio	Lower	Upper
63	100		
65	34.3	22.1	41.1
83	15.5	10.0	18.6

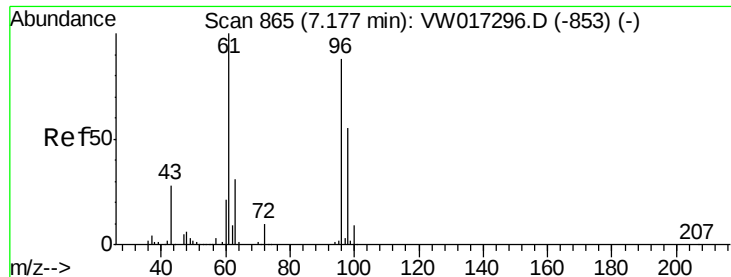


#21
 2-Butanone
 Concen: 42.108 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW017317.D
 Acq: 18 Nov 2020 04:13

Tgt Ion: 43 Resp: 51297

Ion	Ratio	Lower	Upper
43	100		
72	32.4	16.1	48.3



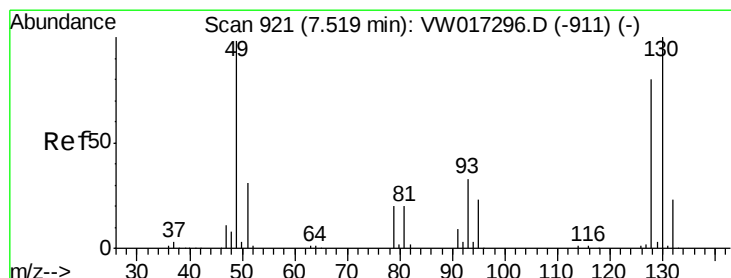
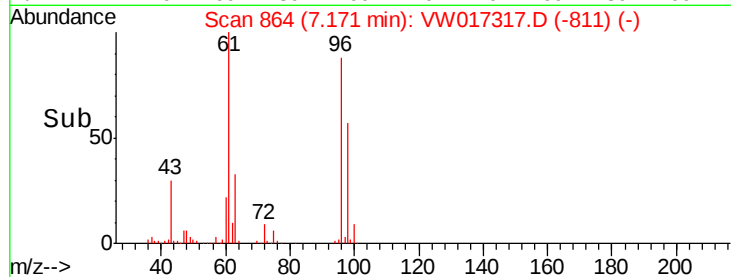
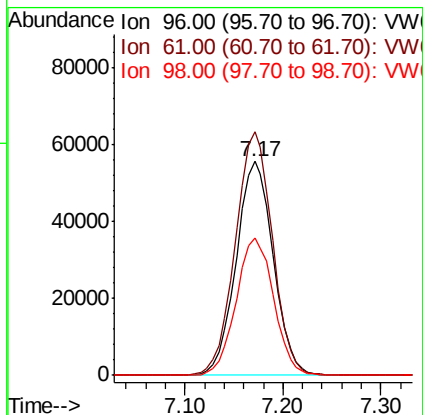
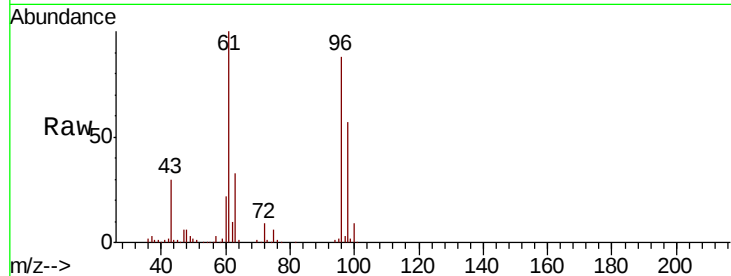


#22

cis-1,2-Dichloroethene
 Concen: 26.782 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.01 min
 Lab File: VW017317.D
 Acq: 18 Nov 2020 04:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

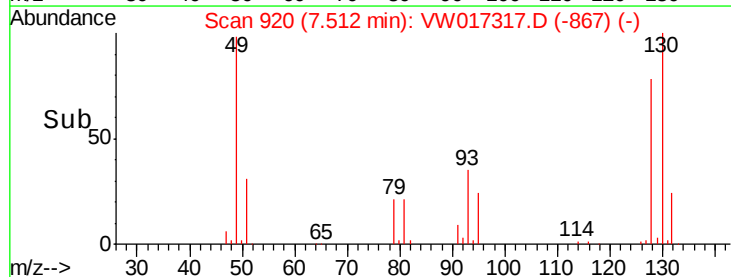
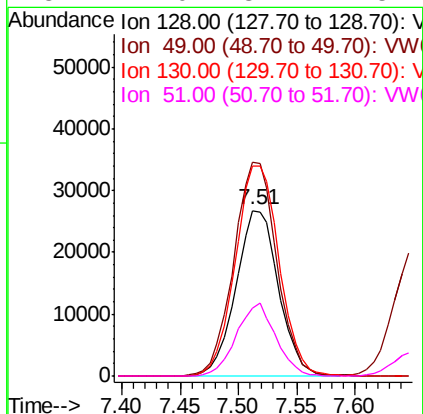
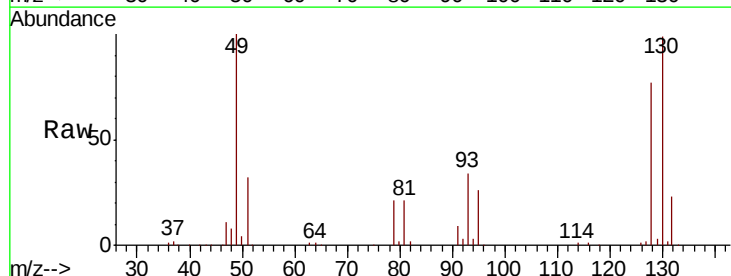
Tot Ion: 96 Resp: 146354
 Ion Ratio Lower Upper
 96 100
 61 113.9 77.4 143.8
 98 64.4 45.1 83.7

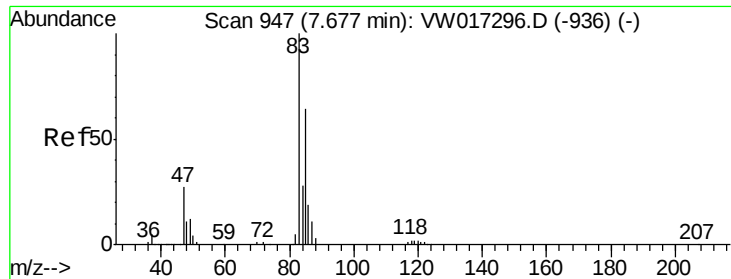


#23

Bromochloromethane
 Concen: 25.886 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VW017317.D
 Acq: 18 Nov 2020 04:13

Tgt Ion: 128 Resp: 68105
 Ion Ratio Lower Upper
 128 100
 49 129.3 88.3 163.9
 130 127.4 95.6 177.6
 51 41.0 32.2 48.4

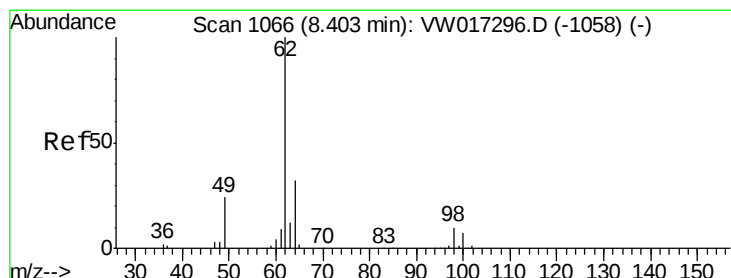
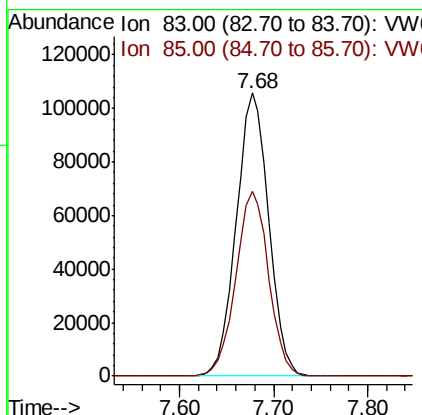
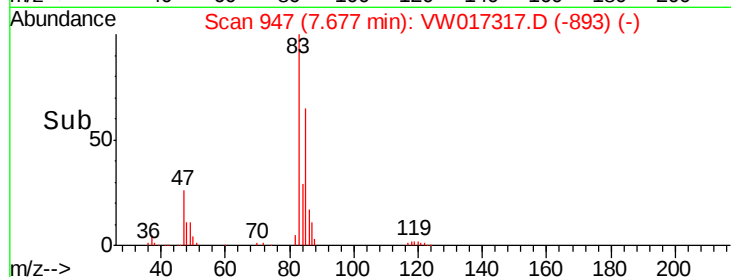
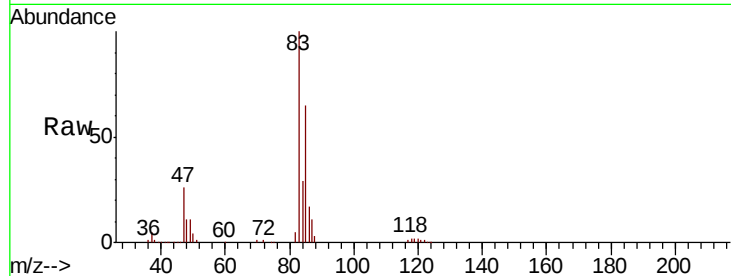




#25
Chloroform
Concen: 28.558 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW017317.D
Acq: 18 Nov 2020 04:13

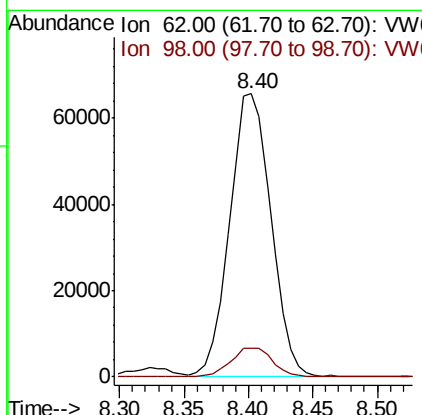
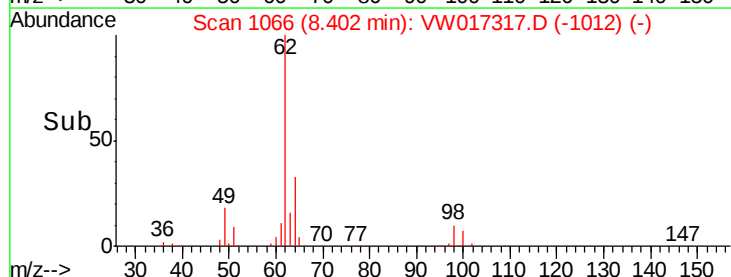
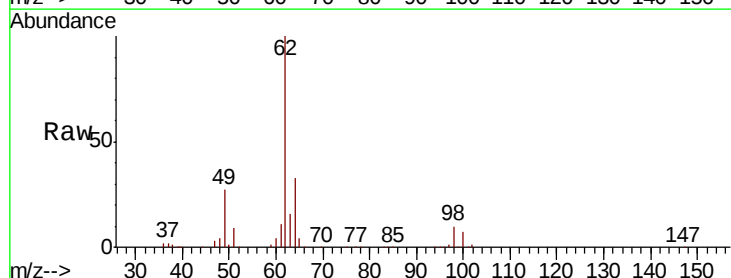
Instrument :
MSVOA_W
ClientSampleId :
VSTD02511

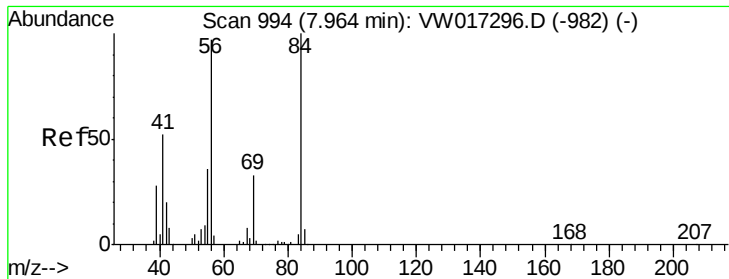
Tot Ion: 83 Resp: 254587
Ion Ratio Lower Upper
83 100
85 66.2 46.4 86.2



#27
1,2-Dichloroethane
Concen: 27.248 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW017317.D
Acq: 18 Nov 2020 04:13

Tgt Ion: 62 Resp: 145568
Ion Ratio Lower Upper
62 100
98 10.3 9.4 14.0





#30

Cvclohexane

Concen: 23.740 ug/L

RT: 7.96 min Scan# 993

Delta R.T. -0.01 min

Lab File: VW017317.D

Acq: 18 Nov 2020 04:13

Instrument :

MSVOA_W

ClientSampleId :

VSTD02511

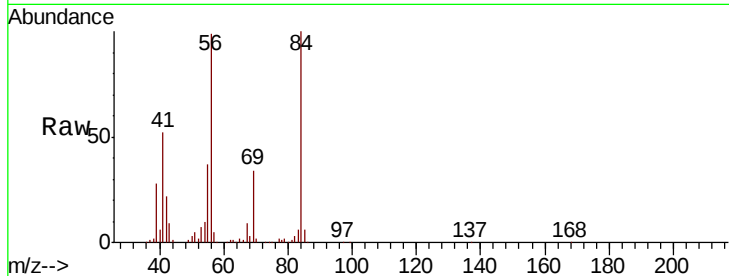
Tot Ion: 56 Resp: 166309

Ion Ratio Lower Upper

56 100

69 32.9 26.1 39.1

84 101.4 79.1 118.7

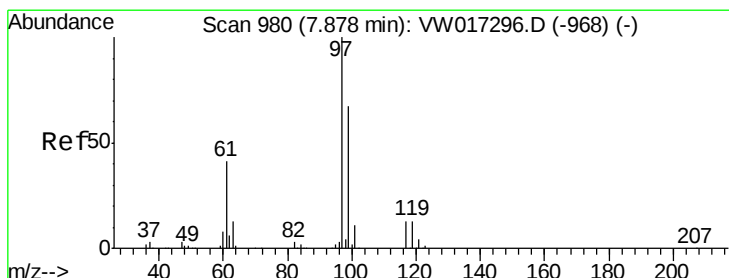
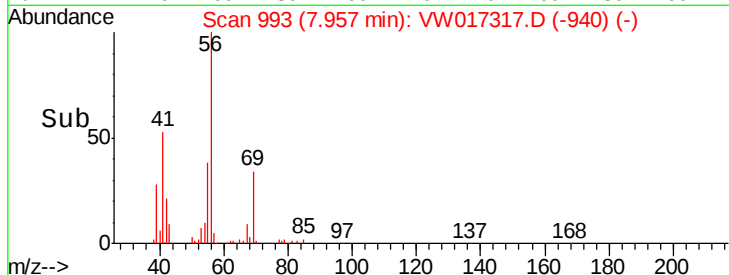
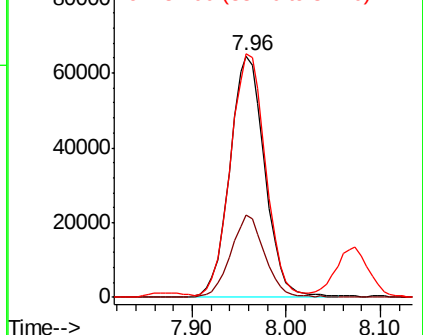


Abundance

Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



#31

1,1,1-Trichloroethane

Concen: 28.506 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.01 min

Lab File: VW017317.D

Acq: 18 Nov 2020 04:13

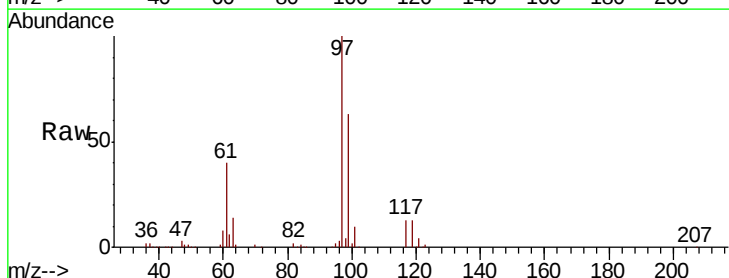
Tgt Ion: 97 Resp: 217192

Ion Ratio Lower Upper

97 100

99 64.4 51.4 77.0

61 41.5 31.6 47.4

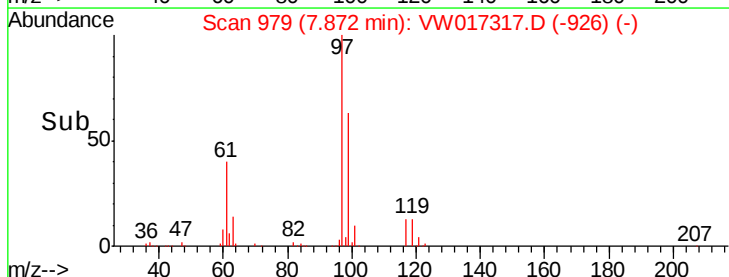
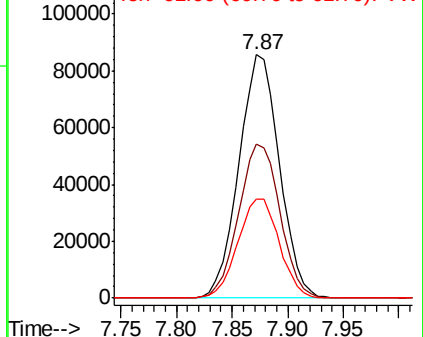


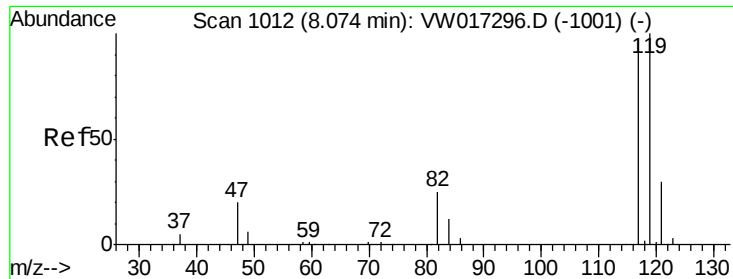
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 99.00 (98.70 to 99.70): VW

Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 27.984 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VW017317.D

Acq: 18 Nov 2020 04:13

Instrument :

MSVOA_W

ClientSampleId :

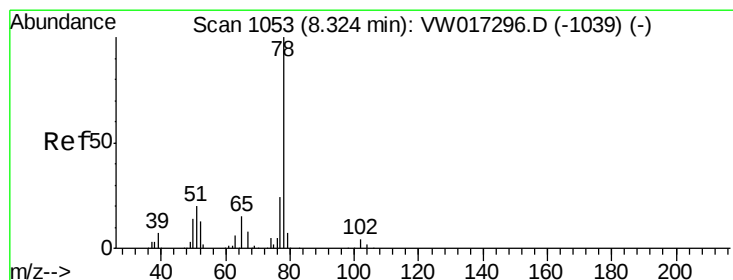
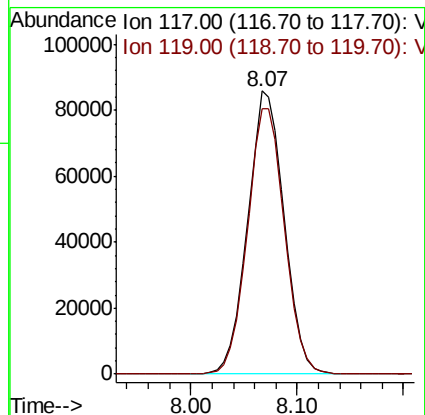
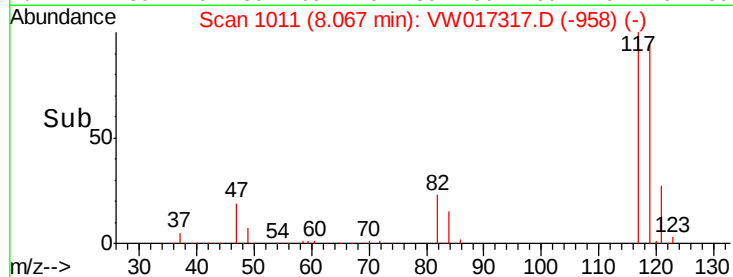
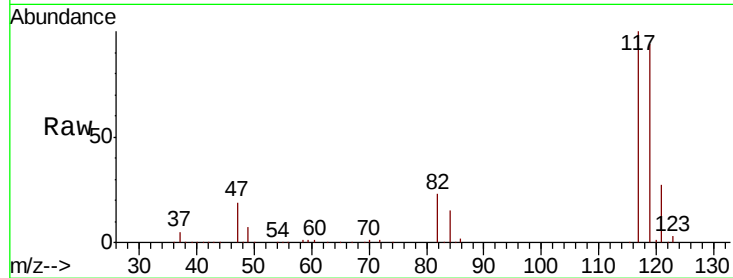
VSTD02511

Tot Ion:117 Resp: 205740

Ion Ratio Lower Upper

117 100

119 95.6 77.7 116.5



#34

Benzene

Concen: 26.772 ug/L

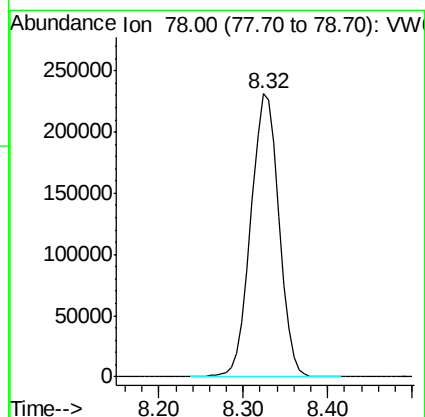
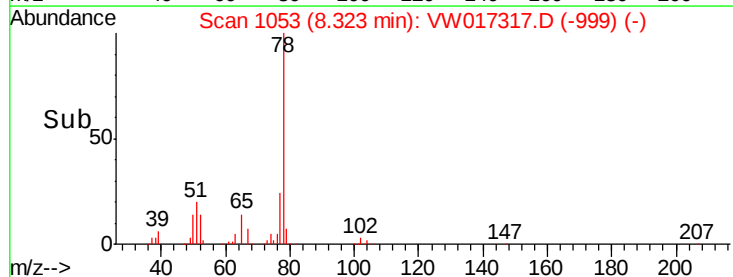
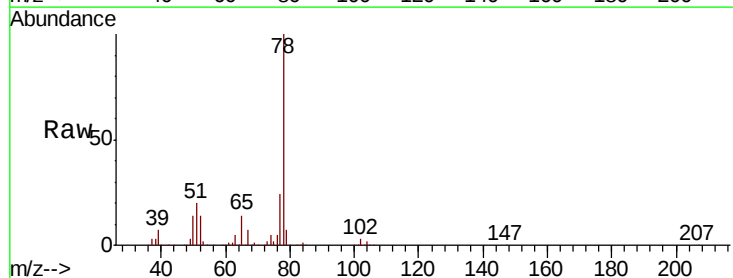
RT: 8.32 min Scan# 1053

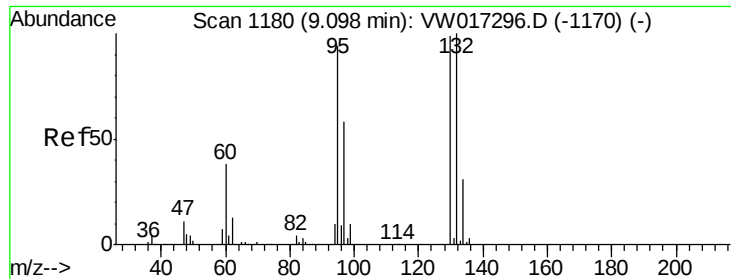
Delta R.T. -0.00 min

Lab File: VW017317.D

Acq: 18 Nov 2020 04:13

Tgt Ion: 78 Resp: 523035

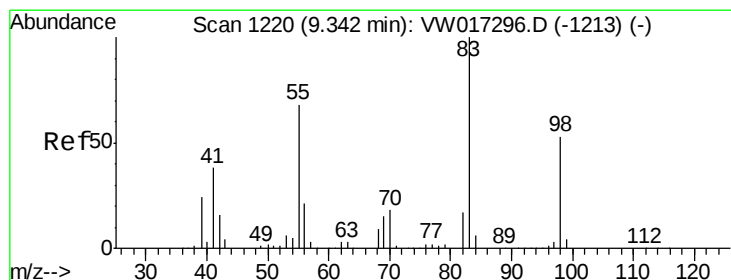
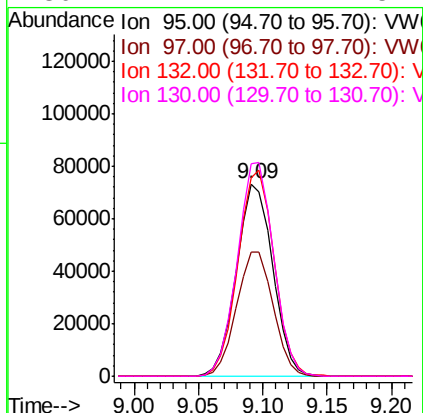
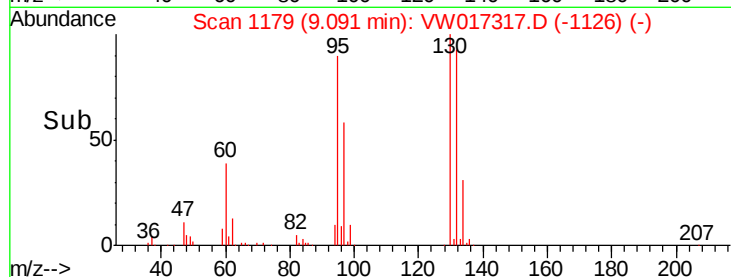
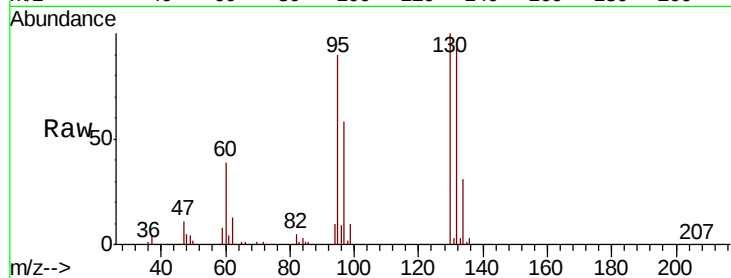




#35
 Trichloroethene
 Concen: 26.262 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: VW017317.D
 Acq: 18 Nov 2020 04:13

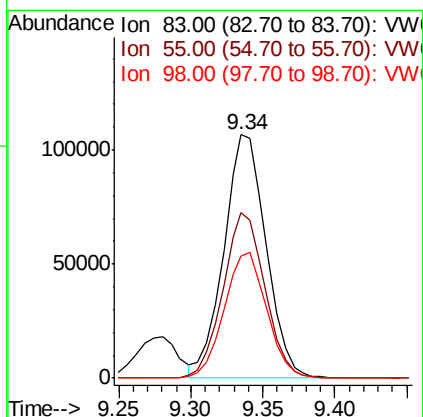
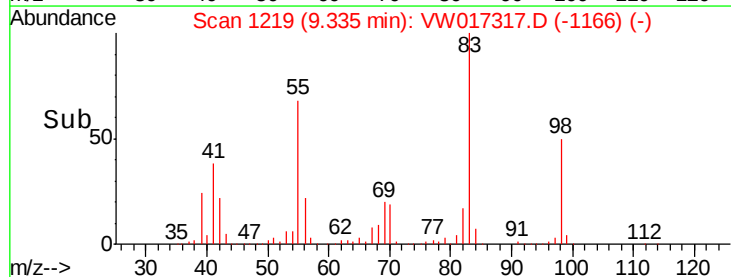
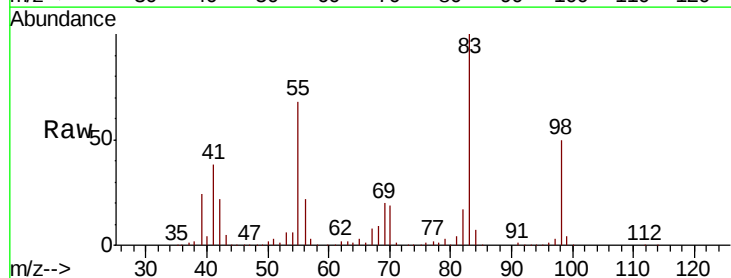
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

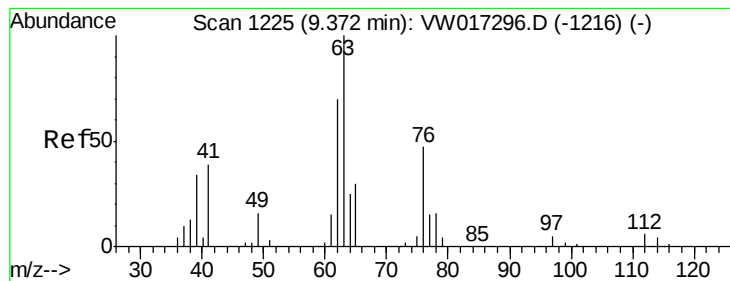
Tot Ion:	95	Resp:	143726
Ion	Ratio	Lower	Upper
95	100		
97	65.3	45.0	83.6
132	106.3	73.7	136.9
130	111.1	77.1	143.1



#36
 Methylcyclohexane
 Concen: 24.680 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.01 min
 Lab File: VW017317.D
 Acq: 18 Nov 2020 04:13

Tgt Ion:	83	Resp:	217339
Ion	Ratio	Lower	Upper
83	100		
55	67.7	54.4	81.6
98	52.2	40.5	60.7





#40

1,2-Dichloropropane

Concen: 26.742 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VW017317.D

Acq: 18 Nov 2020 04:13

Instrument :

MSVOA_W

ClientSampleId :

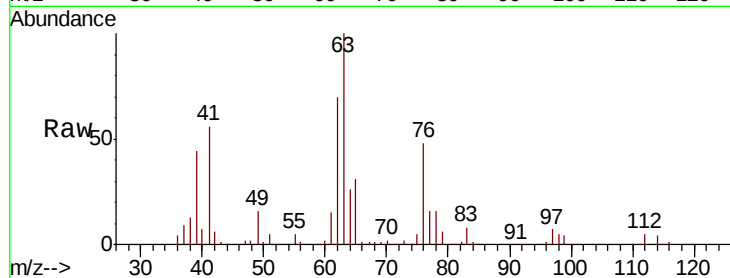
VSTD02511

Tot Ion: 63 Resp: 122128

Ion Ratio Lower Upper

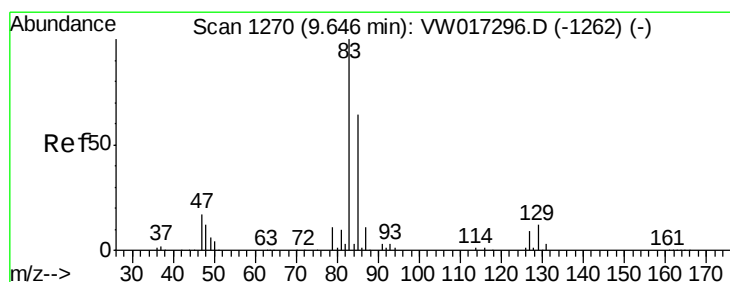
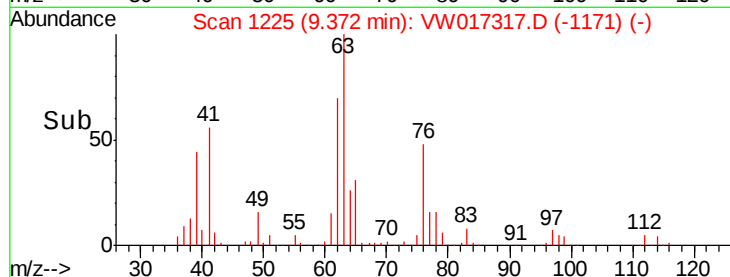
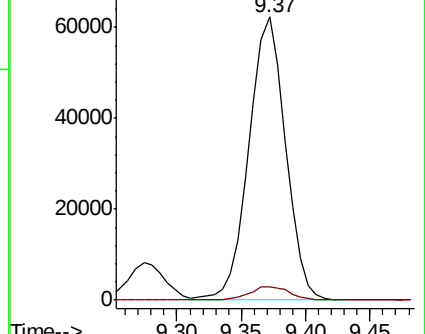
63 100

112 5.2 4.2 6.2



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 28.184 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW017317.D

Acq: 18 Nov 2020 04:13

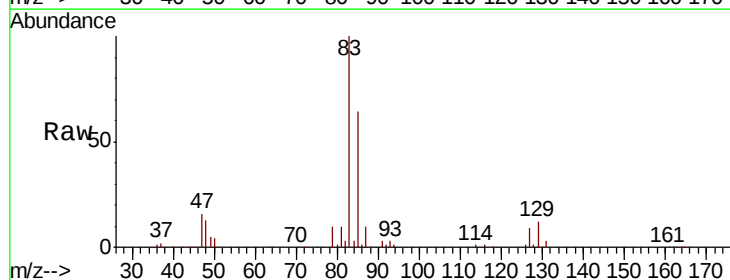
Tgt Ion: 83 Resp: 178022

Ion Ratio Lower Upper

83 100

85 64.1 44.4 82.4

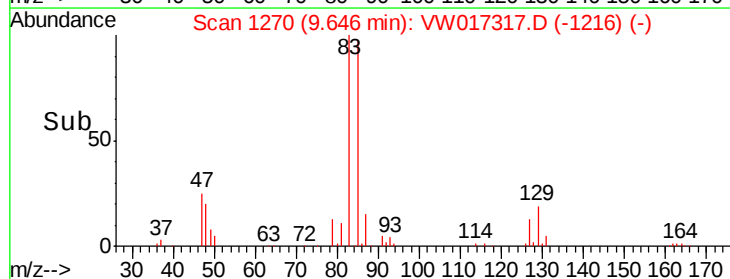
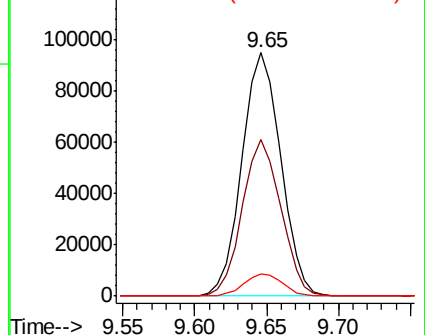
127 8.9 7.3 10.9

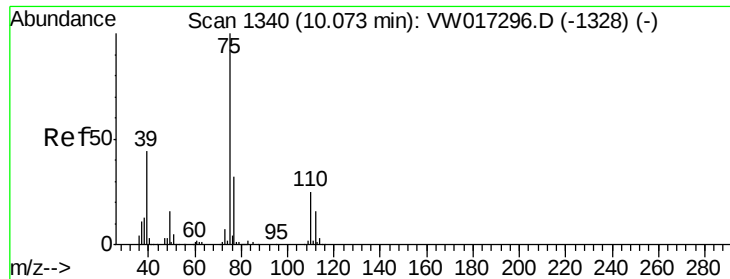


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 25.919 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW017317.D

Acq: 18 Nov 2020 04:13

Instrument :

MSVOA_W

ClientSampleId :

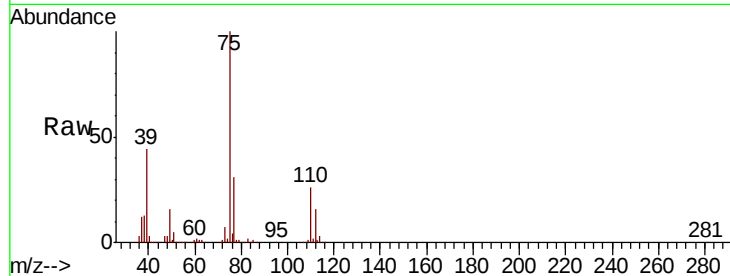
VSTD02511

Tot Ion: 75 Resp: 187486

Ion Ratio Lower Upper

75 100

77 31.5 22.0 41.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.07

120000

100000

80000

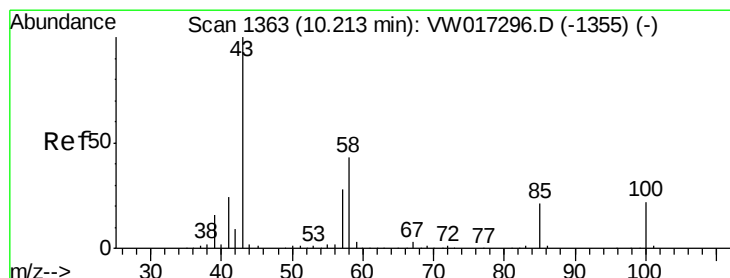
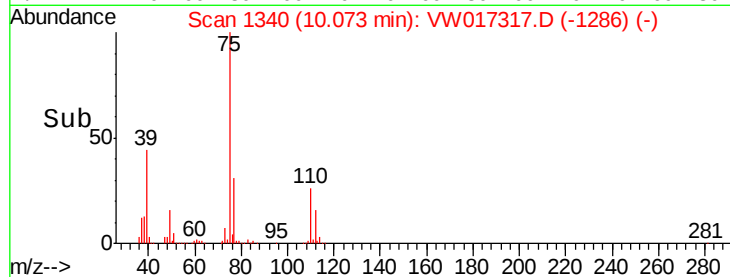
60000

40000

20000

0

Time-->



#43

4-Methyl-2-pentanone

Concen: 42.081 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW017317.D

Acq: 18 Nov 2020 04:13

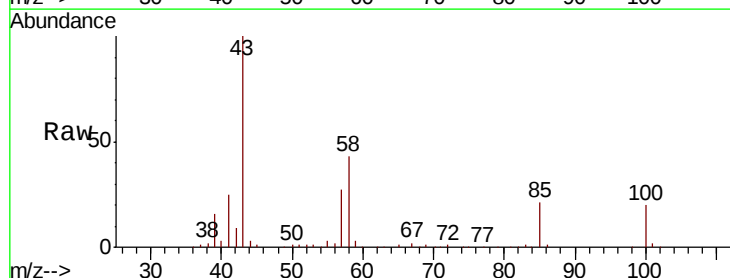
Tgt Ion: 43 Resp: 118568

Ion Ratio Lower Upper

43 100

58 43.1 35.0 52.6

100 20.3 16.6 24.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW

200000

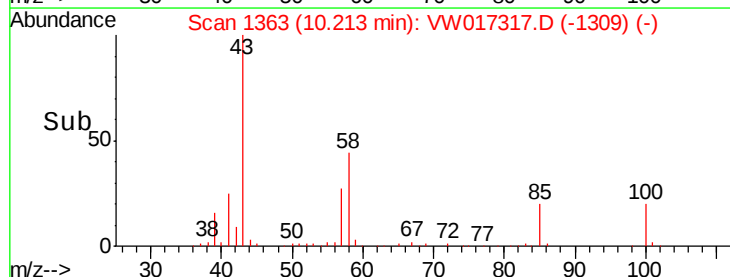
150000

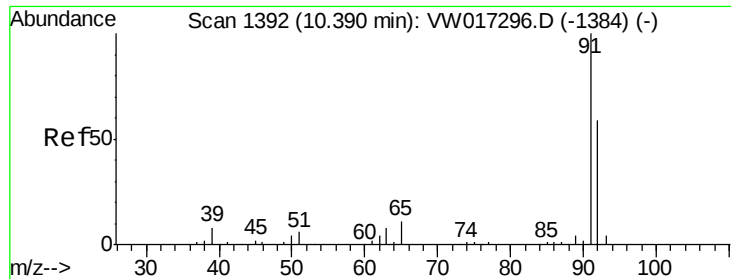
100000

50000

0

Time-->





#44

Toluene

Concen: 27.430 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW017317.D

Acq: 18 Nov 2020 04:13

Instrument :

MSVOA_W

ClientSampleId :

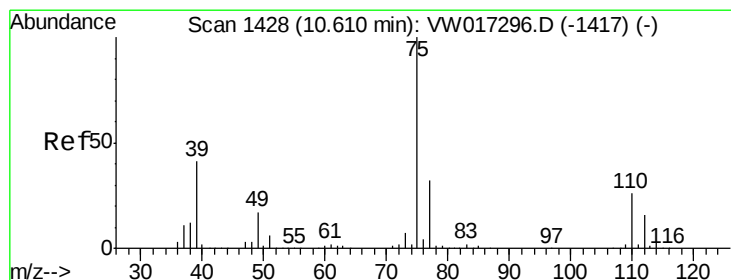
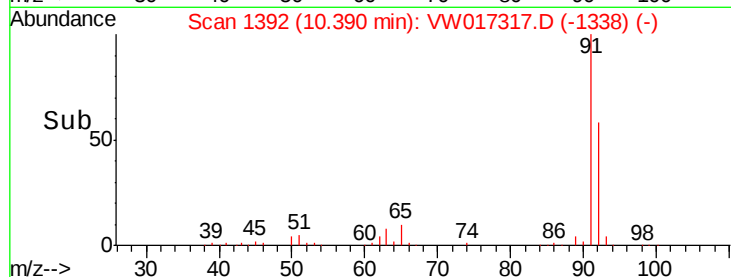
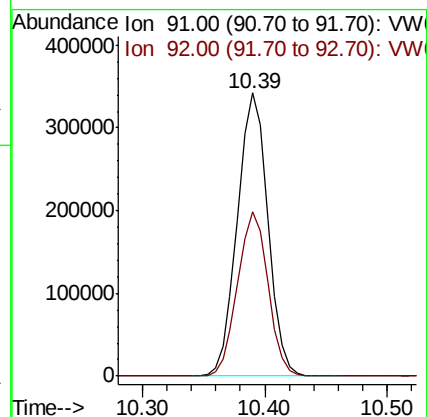
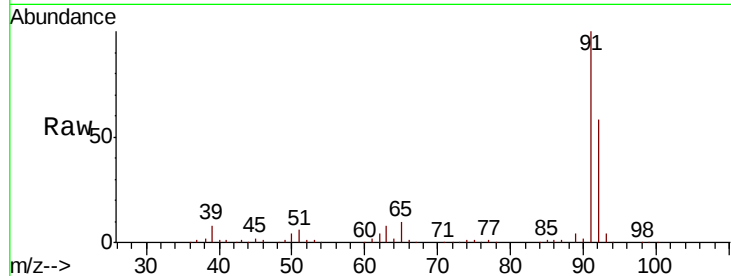
VSTD02511

Tot Ion: 91 Resp: 589877

Ion Ratio Lower Upper

91 100

92 58.0 41.4 76.8



#45

trans-1,3-Dichloropropene

Concen: 25.587 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW017317.D

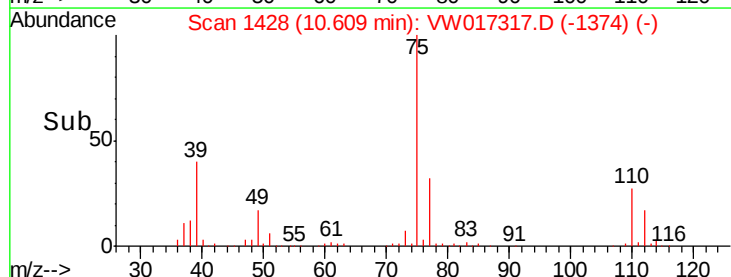
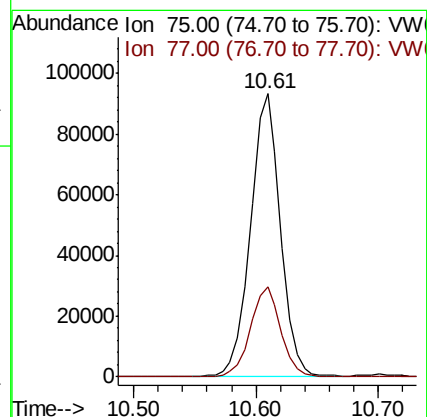
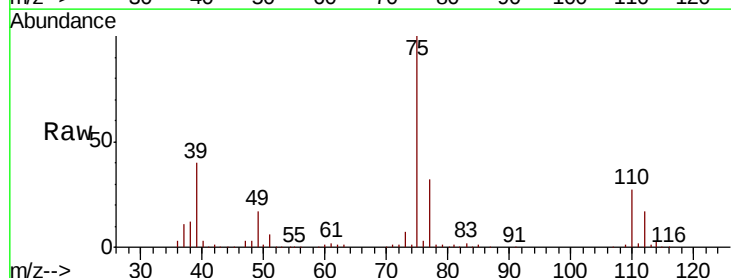
Acq: 18 Nov 2020 04:13

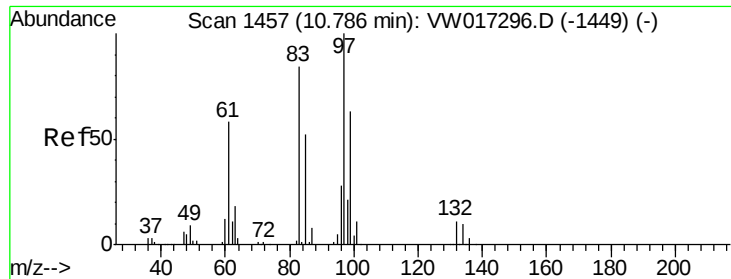
Tgt Ion: 75 Resp: 158950

Ion Ratio Lower Upper

75 100

77 32.0 22.1 41.1

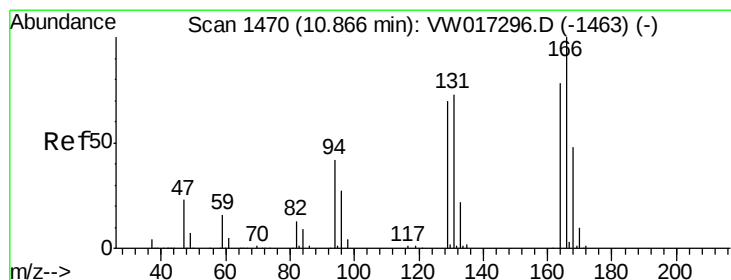
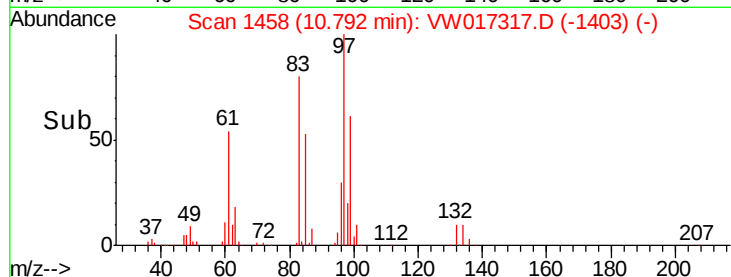
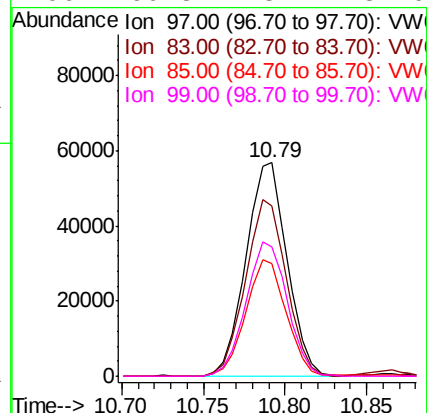
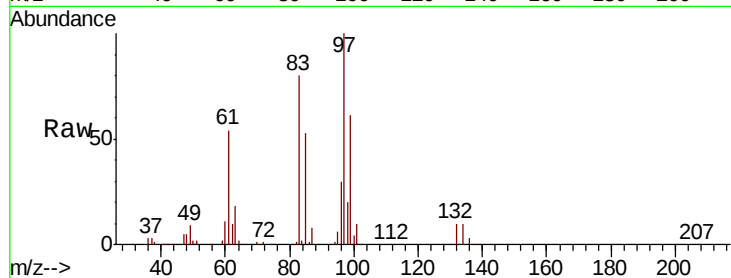




#46
 1,1,2-Trichloroethane
 Concen: 25.409 ug/L
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.01 min
 Lab File: VW017317.D
 Acq: 18 Nov 2020 04:13

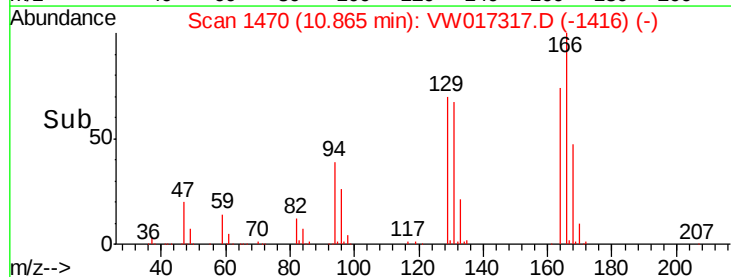
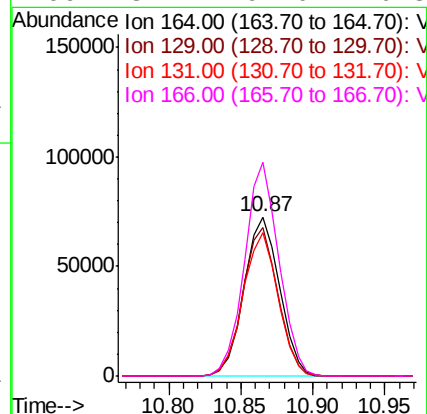
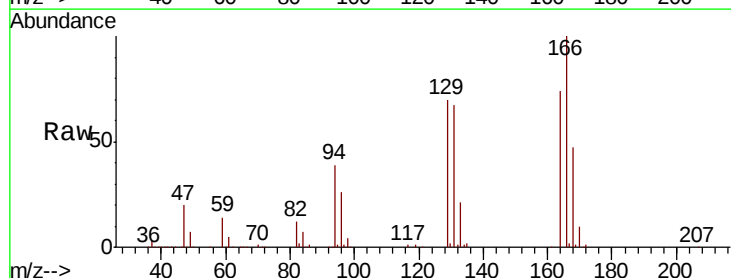
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

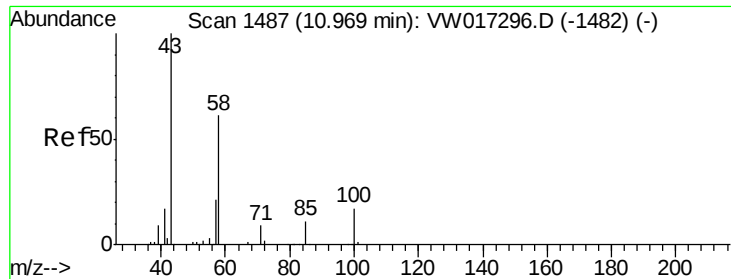
Tot Ion:	97	Resp:	100050
Ion	Ratio	Lower	Upper
97	100		
83	79.8	57.3	106.5
85	52.9	37.2	69.0
99	60.8	45.7	84.9



#47
 Tetrachloroethene
 Concen: 25.021 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. -0.00 min
 Lab File: VW017317.D
 Acq: 18 Nov 2020 04:13

Tgt Ion:	164	Resp:	123544
Ion	Ratio	Lower	Upper
164	100		
129	93.5	62.9	116.7
131	90.2	63.3	117.5
166	134.4	92.0	170.8





#49

2-Hexanone

Concen: 46.205 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW017317.D

Acq: 18 Nov 2020 04:13

Instrument :

MSVOA_W

ClientSampleId :

VSTD02511

Tot Ion: 43 Resp: 78487

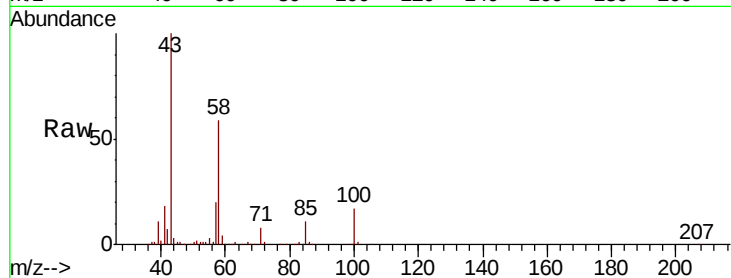
Ion Ratio Lower Upper

43 100

58 60.3 50.6 75.8

57 21.3 17.8 26.6

100 16.8 13.9 20.9

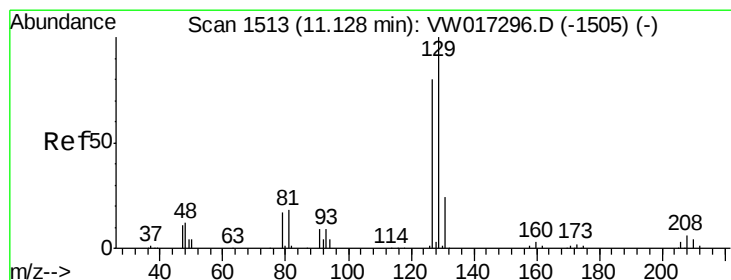
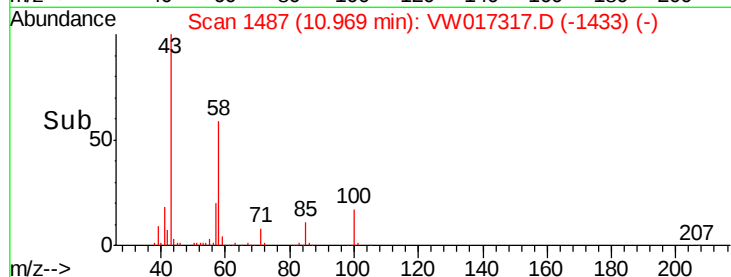
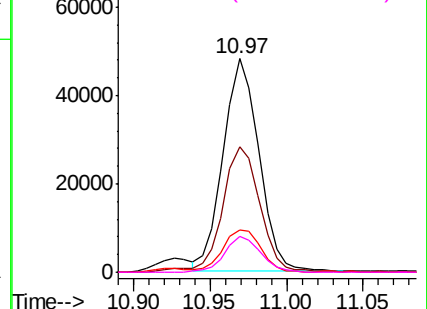


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 26.622 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW017317.D

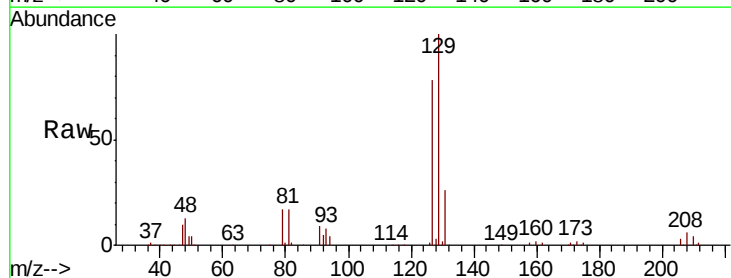
Acq: 18 Nov 2020 04:13

Tgt Ion: 129 Resp: 127708

Ion Ratio Lower Upper

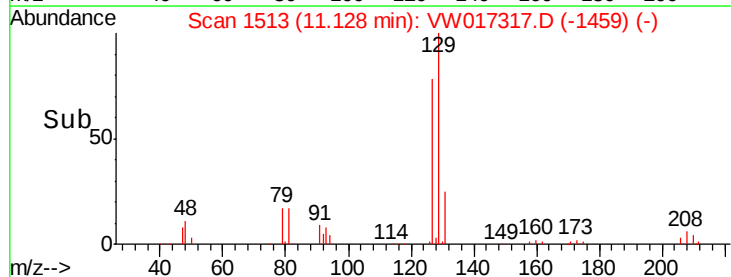
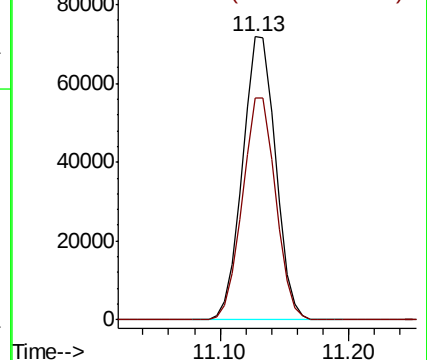
129 100

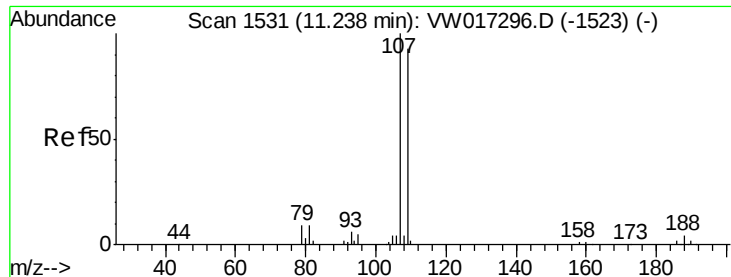
127 78.4 54.3 100.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#51

1,2-Dibromoethane

Concen: 24.819 ug/L

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW017317.D

Acq: 18 Nov 2020 04:13

Instrument :

MSVOA_W

ClientSampleId :

VSTD02511

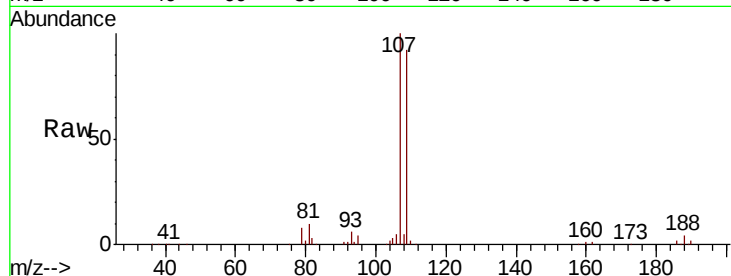
Tot Ion:107 Resp: 94941

Ion Ratio Lower Upper

107 100

109 91.6 64.3 119.5

188 4.1 3.3 4.9

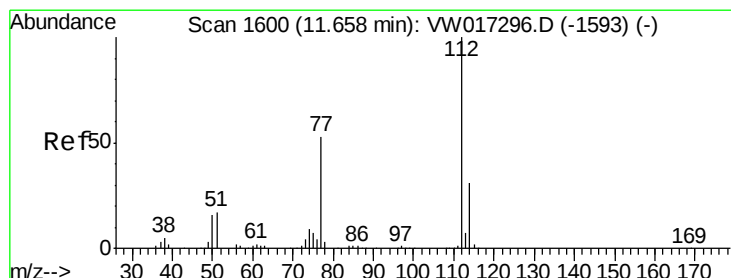
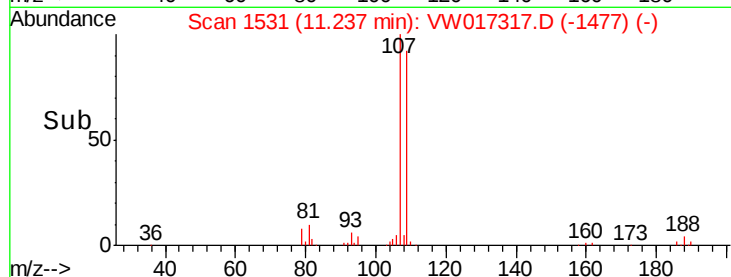
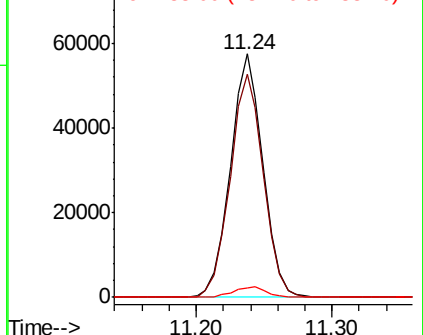


Abundance

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: 27.145 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW017317.D

Acq: 18 Nov 2020 04:13

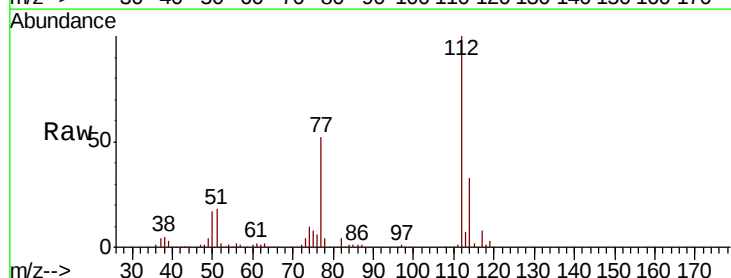
Tgt Ion:112 Resp: 394811

Ion Ratio Lower Upper

112 100

77 52.3 41.7 62.5

114 32.8 22.3 41.3

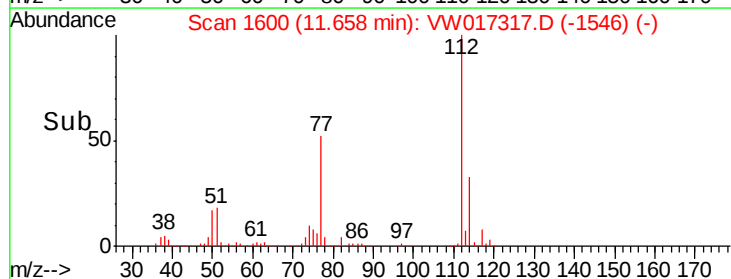
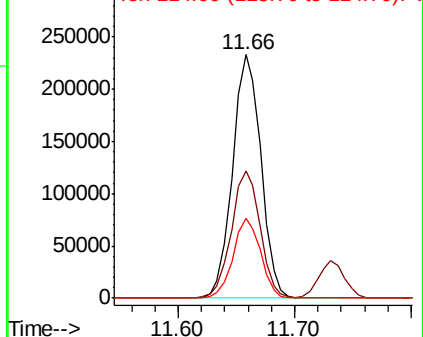


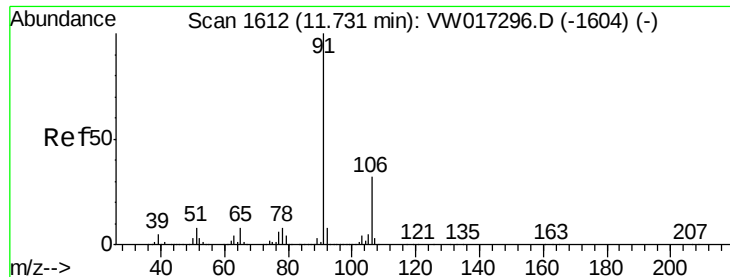
Abundance

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

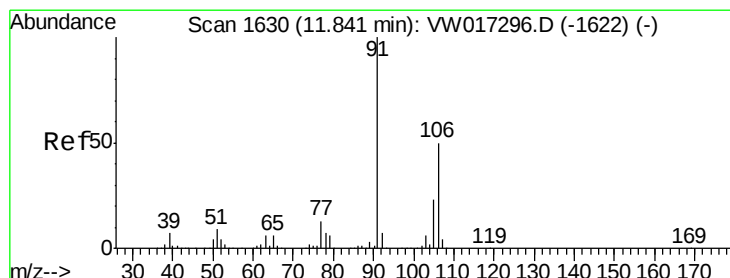
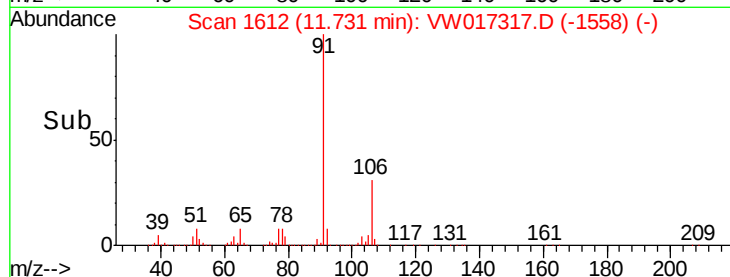
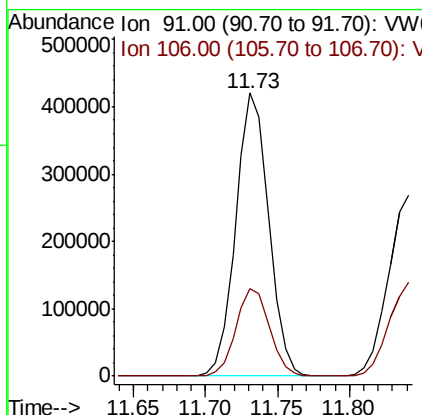
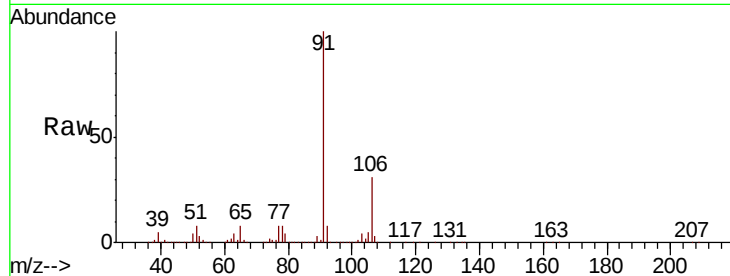




#53
Ethylbenzene
Concen: 27.827 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW017317.D
Acq: 18 Nov 2020 04:13

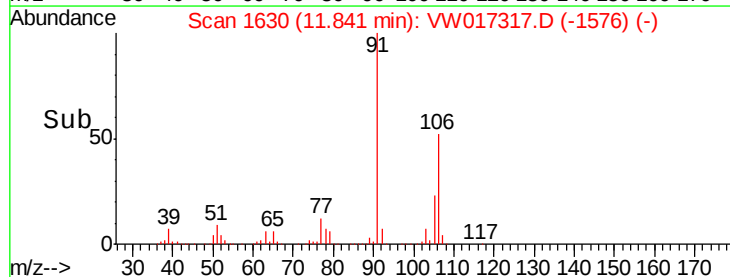
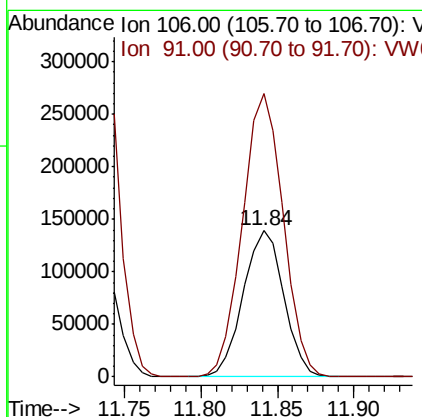
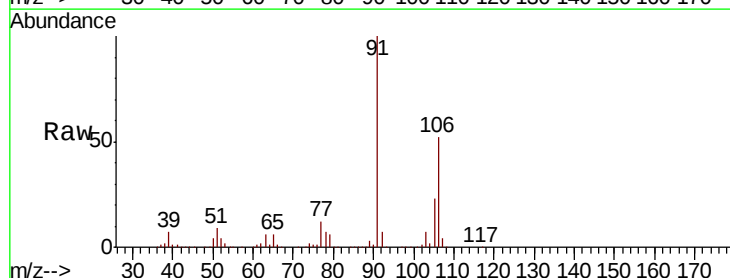
Instrument :
MSVOA_W
ClientSampleId :
VSTD02511

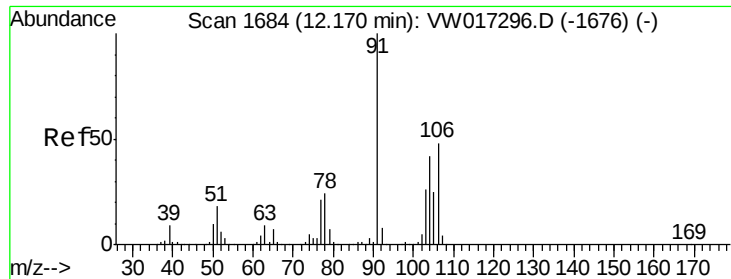
Tot Ion: 91 Resp: 668399
Ion Ratio Lower Upper
91 100
106 31.1 22.9 42.5



#54
m,p-Xylene
Concen: 27.324 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW017317.D
Acq: 18 Nov 2020 04:13

Tgt Ion: 106 Resp: 256731
Ion Ratio Lower Upper
106 100
91 193.8 138.7 257.5

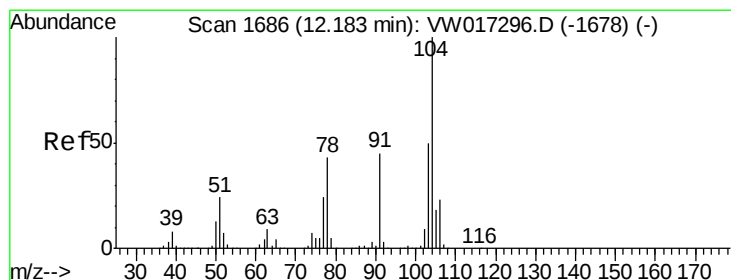
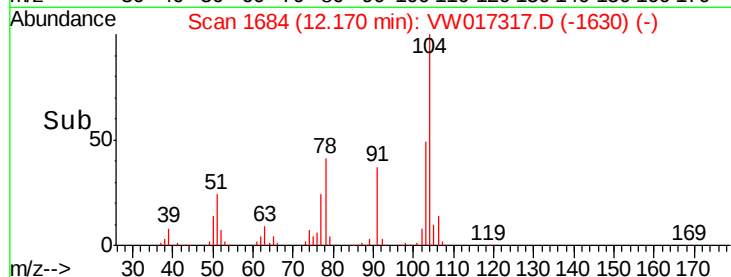
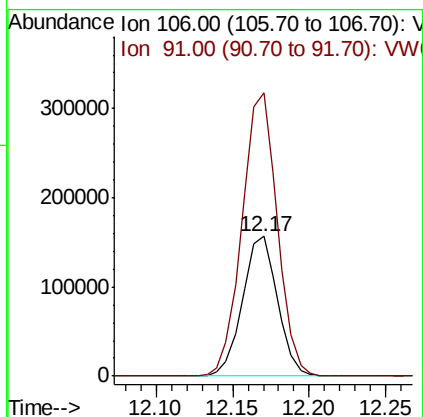
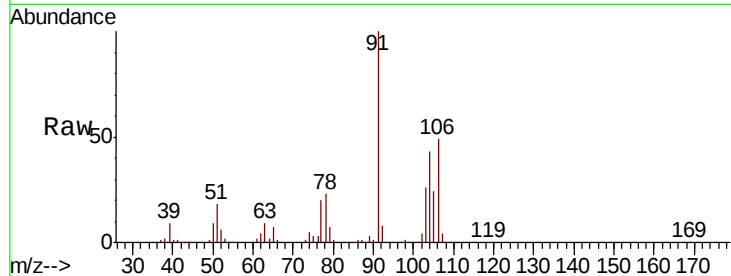




#55
o-xylene
Concen: 27.807 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW017317.D
Acq: 18 Nov 2020 04:13

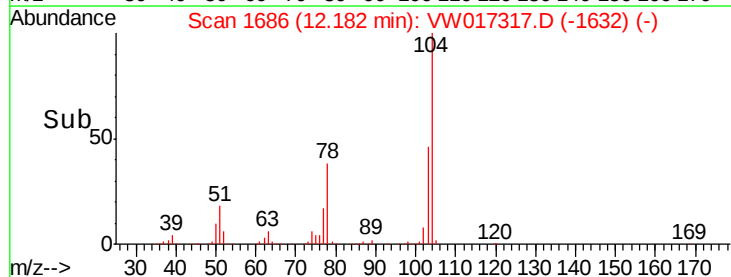
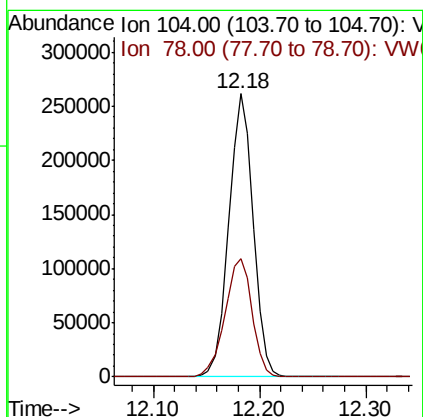
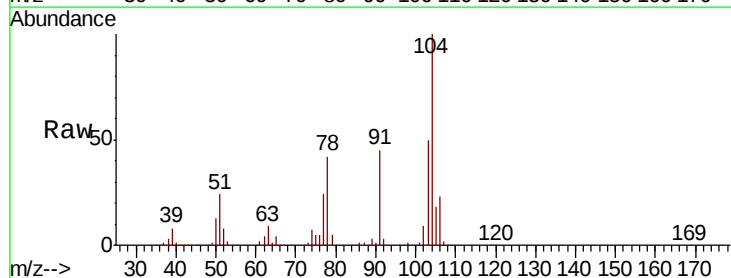
Instrument :
MSVOA_W
ClientSampled :
VSTD02511

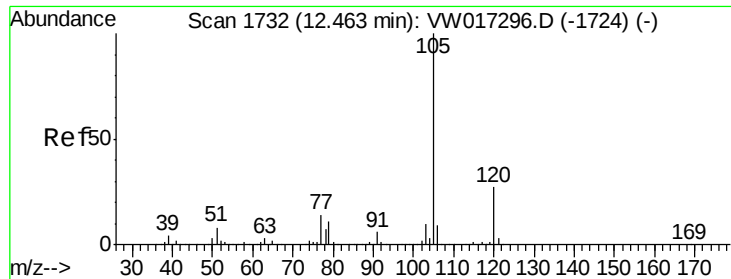
Tot Ion:106 Resp: 247988
Ion Ratio Lower Upper
106 100
91 202.4 140.8 261.4



#56
Styrene
Concen: 28.022 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW017317.D
Acq: 18 Nov 2020 04:13

Tgt Ion:104 Resp: 419584
Ion Ratio Lower Upper
104 100
78 41.8 28.2 52.4





#57

Isopropylbenzene

Concen: 28.422 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW017317.D

Acq: 18 Nov 2020 04:13

Instrument :

MSVOA_W

ClientSampleId :

VSTD02511

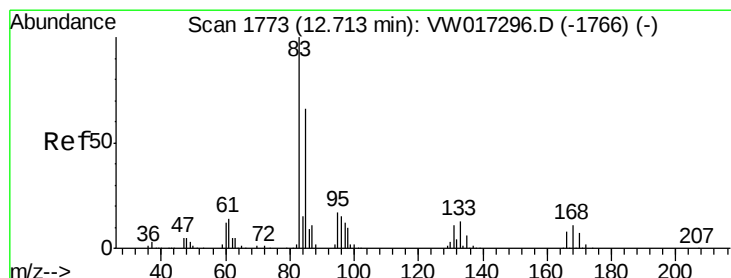
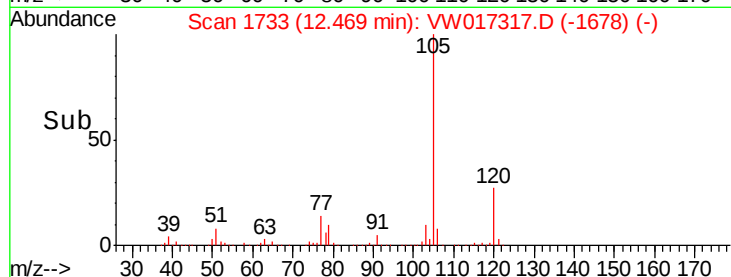
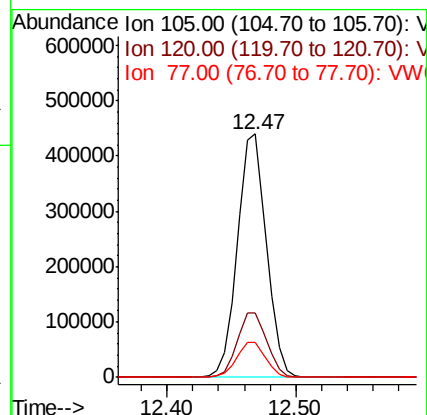
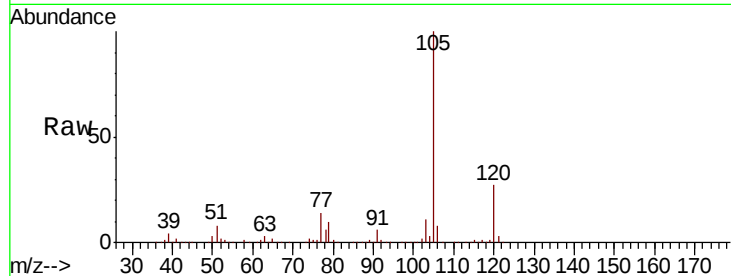
Tot Ion:105 Resp: 687913

Ion Ratio Lower Upper

105 100

120 27.0 21.8 32.6

77 14.6 11.4 17.0



#58

1,1,2,2-Tetrachloroethane

Concen: 24.269 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW017317.D

Acq: 18 Nov 2020 04:13

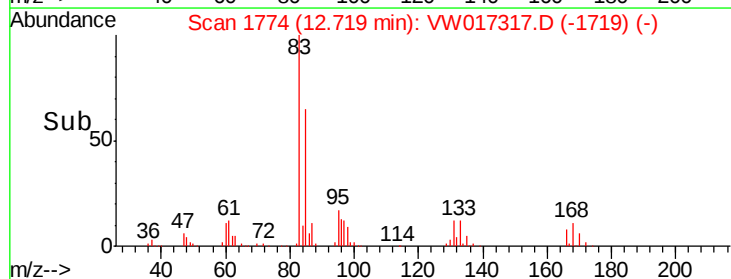
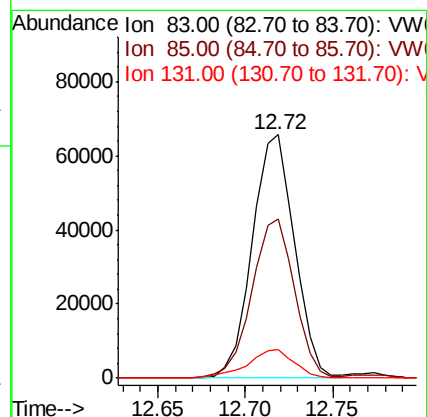
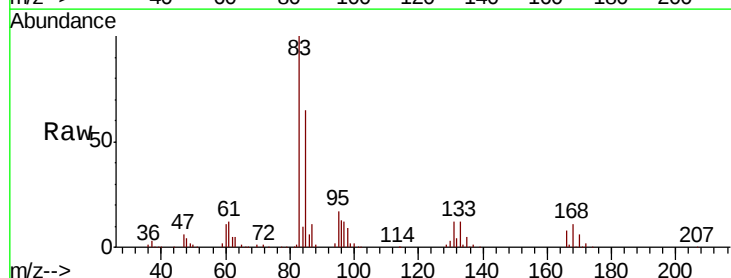
Tgt Ion: 83 Resp: 110393

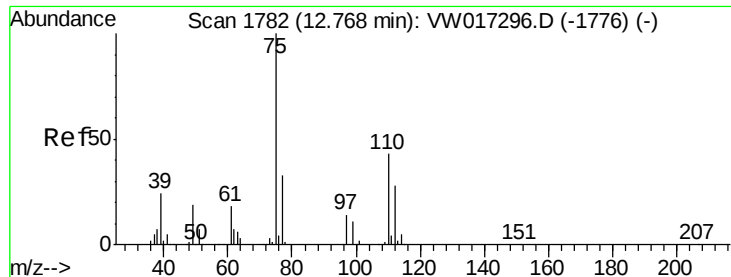
Ion Ratio Lower Upper

83 100

85 65.2 44.9 83.5

131 11.9 8.8 13.2





#59

1,2,3-Trichloropropane

Concen: 23.421 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.01 min

Lab File: VW017317.D

Acq: 18 Nov 2020 04:13

Instrument :

MSVOA_W

ClientSampleId :

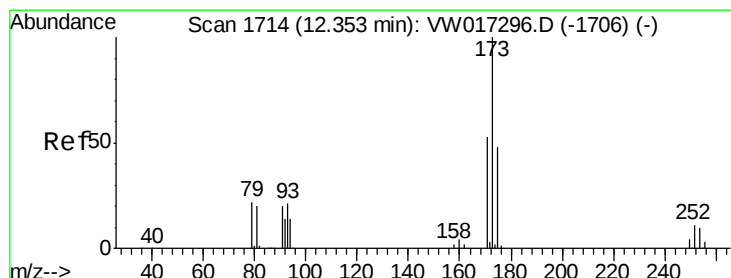
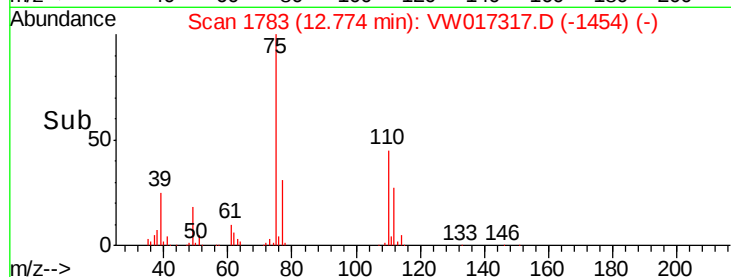
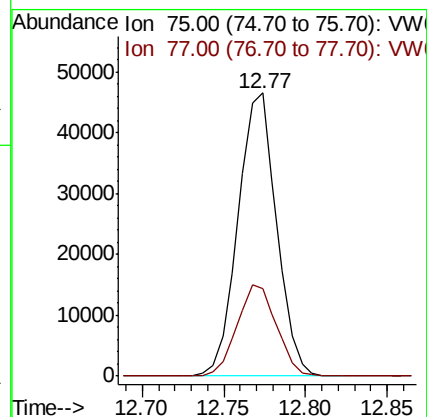
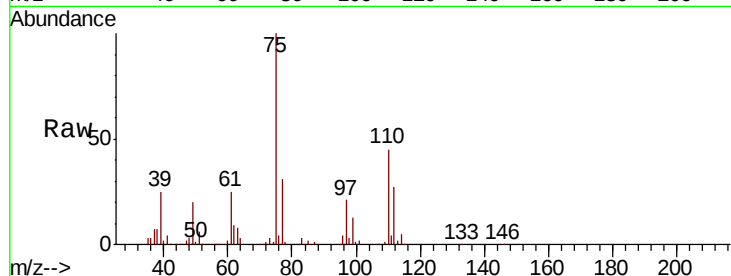
VSTD02511

Tot Ion: 75 Resp: 76577

Ion Ratio Lower Upper

75 100

77 33.1 26.4 39.6



#62

Bromoform

Concen: 25.332 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW017317.D

Acq: 18 Nov 2020 04:13

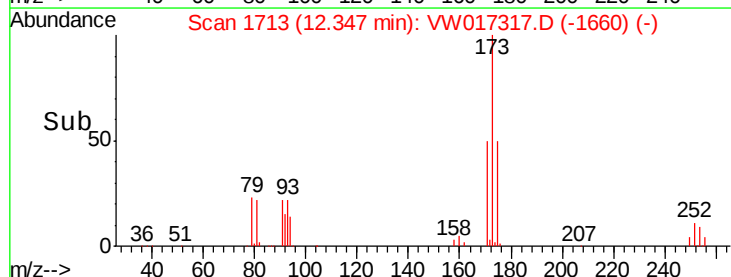
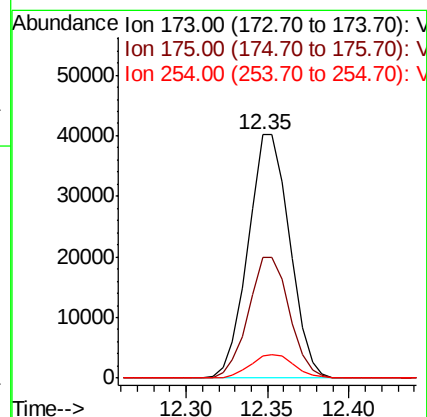
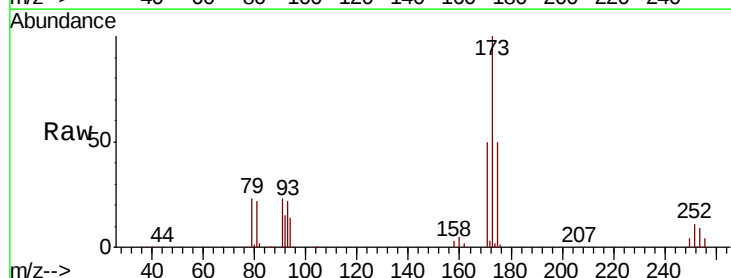
Tgt Ion: 173 Resp: 71439

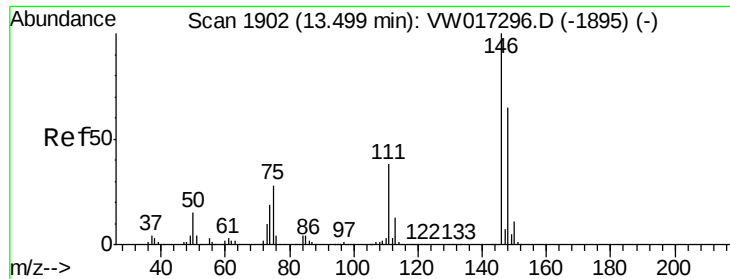
Ion Ratio Lower Upper

173 100

175 48.9 38.3 57.5

254 10.2 8.1 12.1

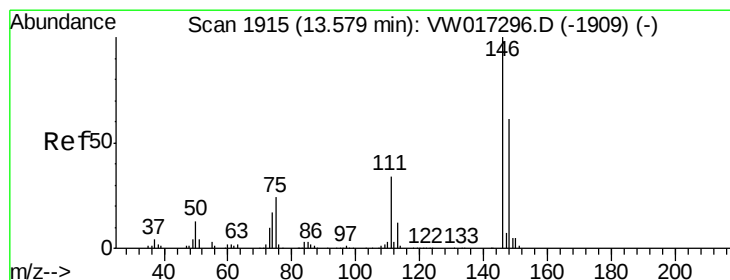
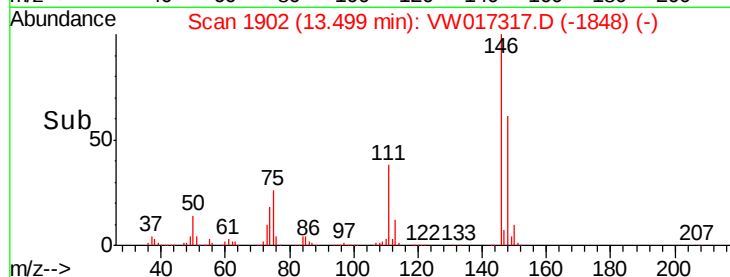
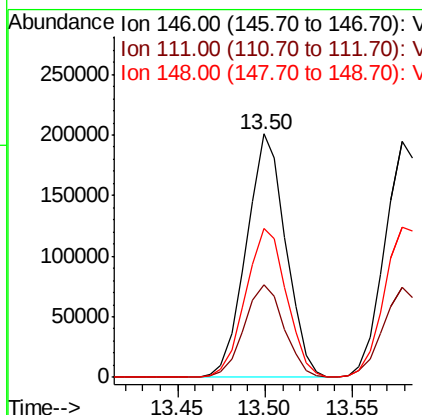
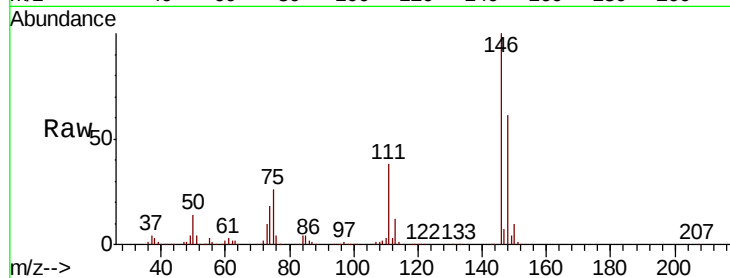




#63
 1,3-Dichlorobenzene
 Concen: 27.558 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW017317.D
 Acq: 18 Nov 2020 04:13

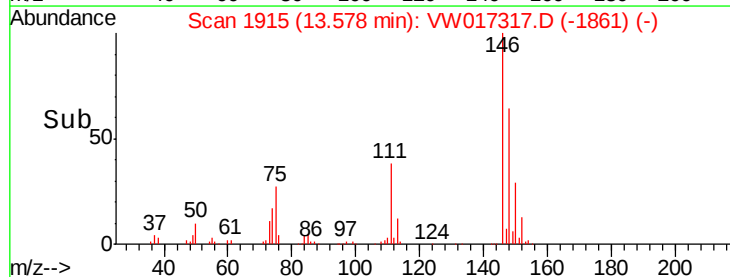
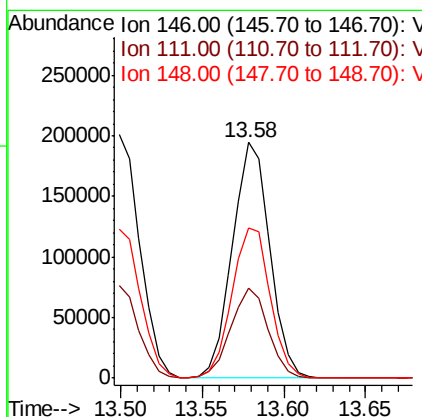
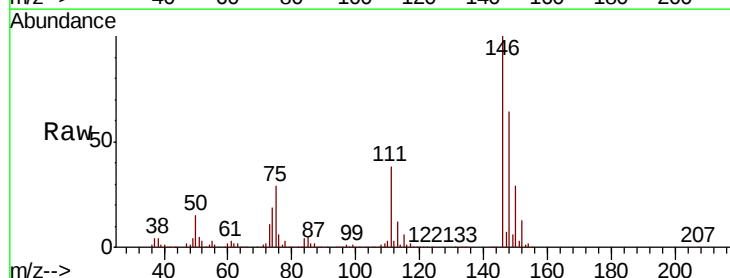
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

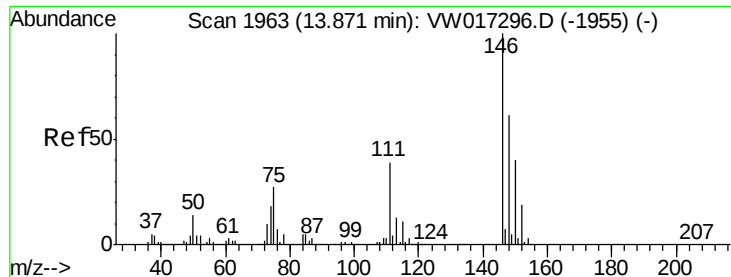
Tot Ion:146 Resp: 314936
 Ion Ratio Lower Upper
 146 100
 111 38.0 26.4 49.0
 148 61.0 42.1 78.1



#64
 1,4-Dichlorobenzene
 Concen: 27.089 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW017317.D
 Acq: 18 Nov 2020 04:13

Tgt Ion:146 Resp: 311023
 Ion Ratio Lower Upper
 146 100
 111 38.4 24.5 45.5
 148 63.6 45.5 84.5

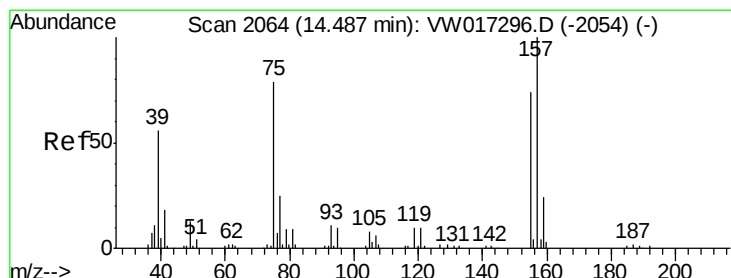
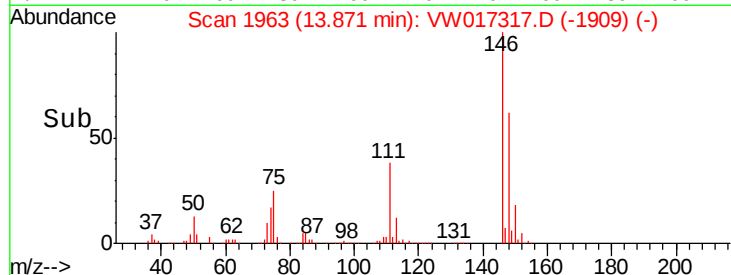
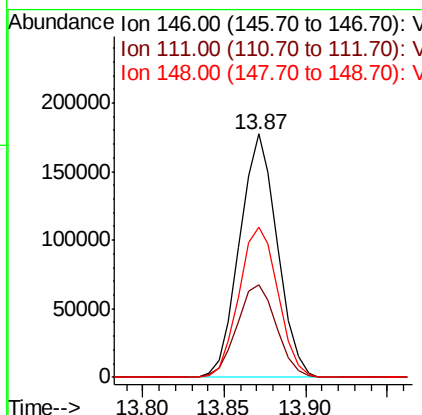
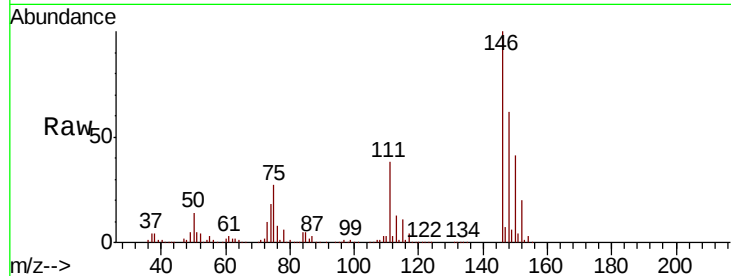




#65
 1,2-Dichlorobenzene
 Concen: 27.632 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW017317.D
 Acq: 18 Nov 2020 04:13

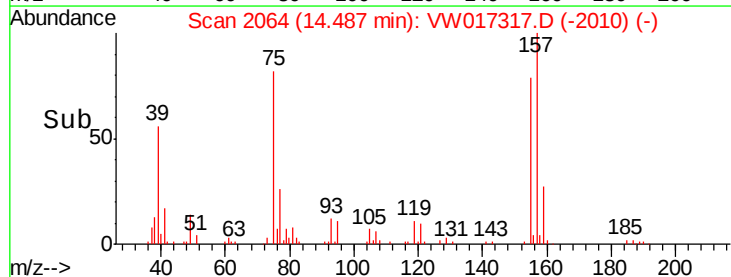
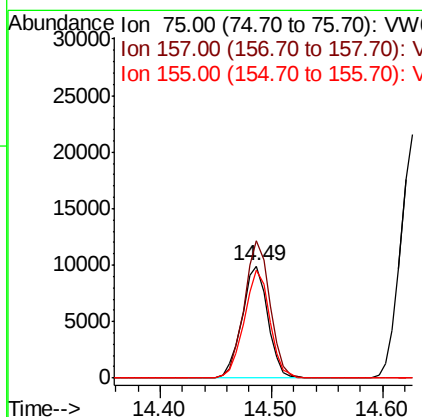
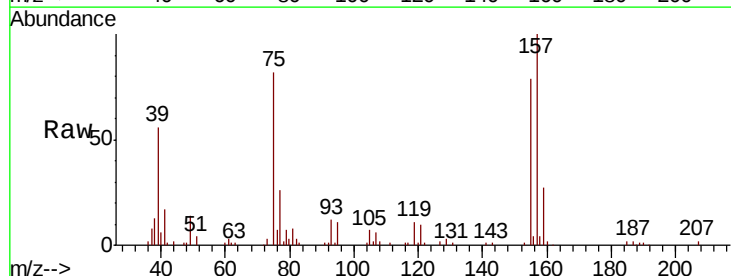
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

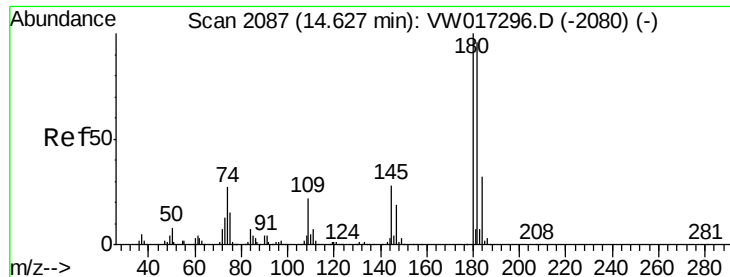
Tot Ion:146 Resp: 284775
 Ion Ratio Lower Upper
 146 100
 111 38.3 30.5 45.7
 148 61.8 50.3 75.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 23.487 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW017317.D
 Acq: 18 Nov 2020 04:13

Tgt Ion: 75 Resp: 16004
 Ion Ratio Lower Upper
 75 100
 157 122.4 108.2 162.4
 155 96.9 79.1 118.7

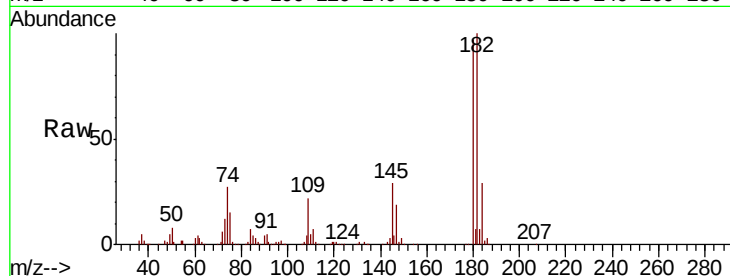




#67
 1,3,5-Trichlorobenzene
 Concen: 26.899 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW017317.D
 Acq: 18 Nov 2020 04:13

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02511

Tot Ion:180	Resp:	226526
Ion Ratio	Lower	Upper
180	100	
182	100.2	77.2 115.8
184	30.5	24.2 36.4
145	29.2	23.5 35.3



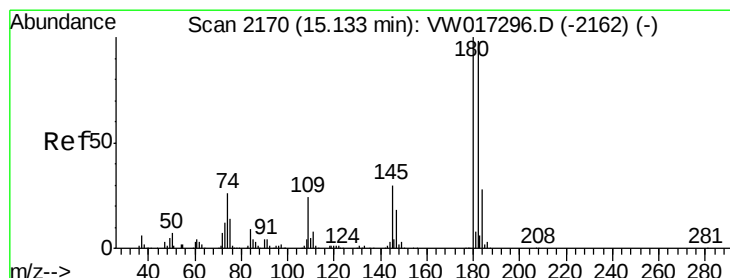
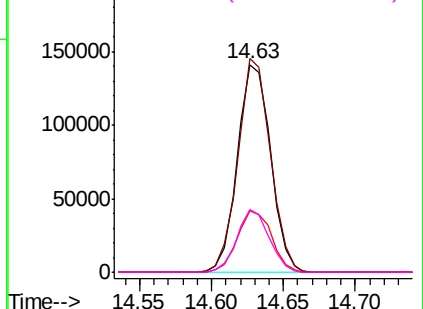
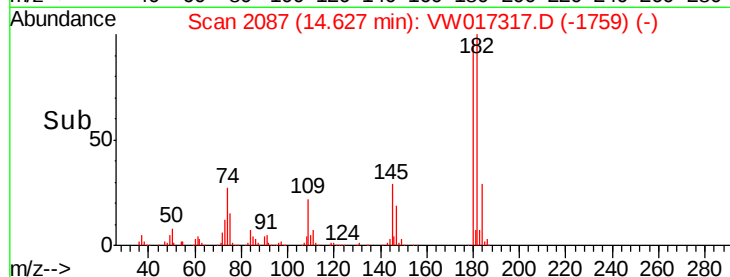
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

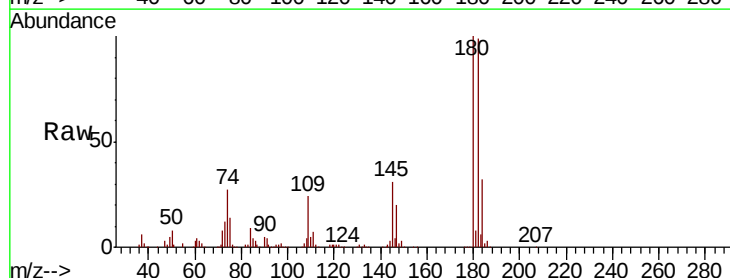
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 27.296 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW017317.D
 Acq: 18 Nov 2020 04:13

Tgt Ion:180	Resp:	183439
Ion Ratio	Lower	Upper
180	100	
182	91.9	76.7 115.1
145	29.1	23.6 35.4

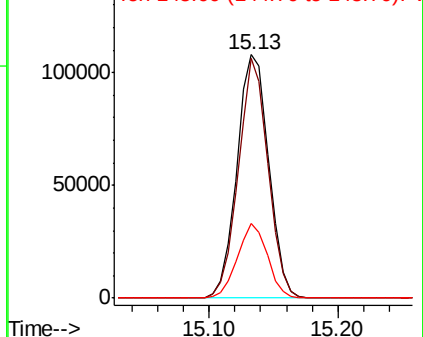
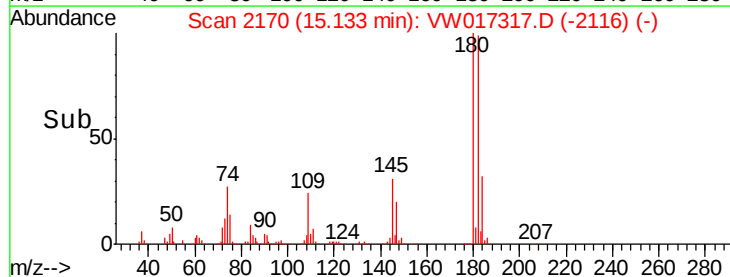


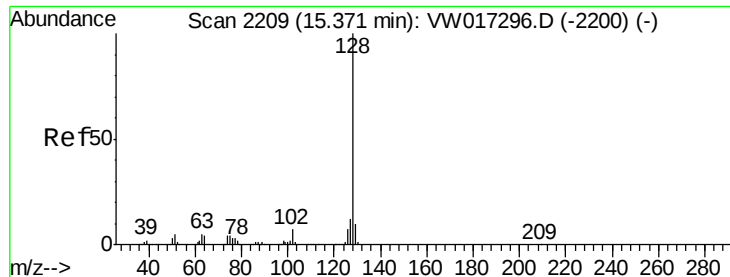
Abundance

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: 24.592 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW017317.D

Acq: 18 Nov 2020 04:13

Instrument :

MSVOA_W

ClientSampleId :

VSTD02511

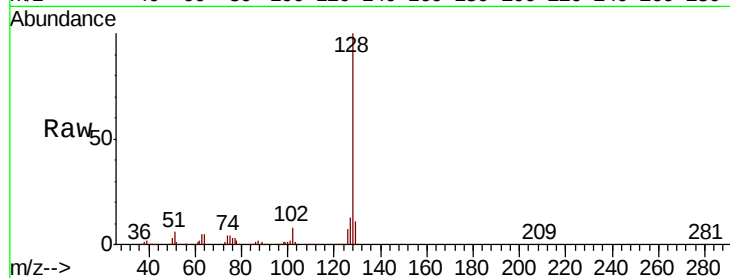
Tot Ion:128 Resp: 304136

Ion Ratio Lower Upper

128 100

129 10.9 8.6 12.8

127 13.3 10.2 15.2

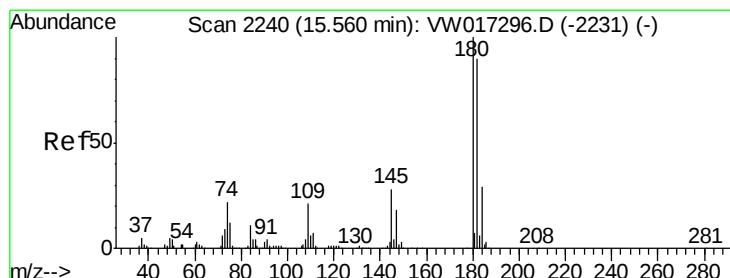
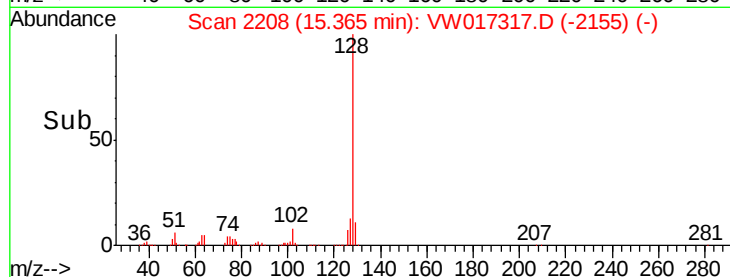
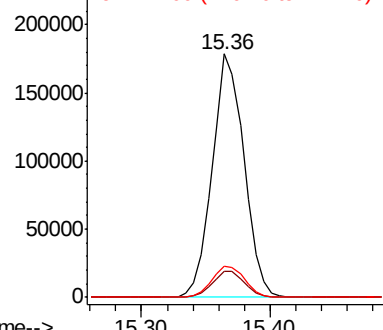


Abundance

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: 26.350 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW017317.D

Acq: 18 Nov 2020 04:13

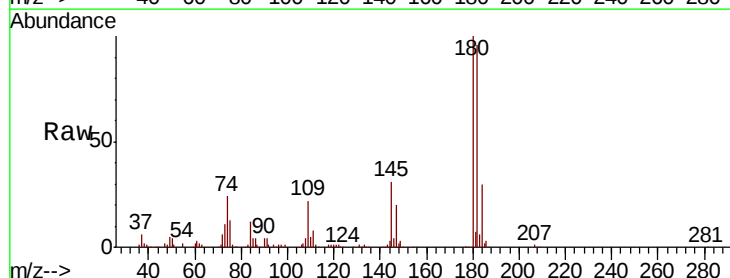
Tgt Ion:180 Resp: 161801

Ion Ratio Lower Upper

180 100

182 96.9 75.5 113.3

145 30.7 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

