

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111720\
 Data File : VW017296.D
 Acq On : 17 Nov 2020 19:05
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

Quant Time: Nov 18 02:18:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 18 02:13:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	398883	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	365372	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	194089	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	99862	19.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.52%
7) Chloroethane-d5	2.89	69	93853	24.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.96%
10) 1,1-Dichloroethene-d2	4.03	63	204057	22.71	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.84%
20) 2-Butanone-d5	7.08	46	55291	49.21	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.42%
24) Chloroform-d	7.65	84	258724	27.78	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	111.12%
26) 1,2-Dichloroethane-d4	8.31	65	126316	27.29	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	109.16%
29) Benzene-d6	8.27	84	467090	25.10	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.40%
33) 1,2-Dichloropropane-d6	9.28	67	136581	26.54	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	106.16%
37) Toluene-d8	10.32	98	444720	25.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.40%
38) trans-1,3-Dichloropropene-	10.58	79	56954	24.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.20%
39) 2-Hexanone-d5	10.93	63	45215	50.34	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.68%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	117280	26.16	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.64%
61) 1,2-Dichlorobenzene-d4	13.86	152	176048	25.75	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	91479	22.858	ug/L 98
3) Chloromethane	2.21	50	82655	22.756	ug/L 100
5) Vinyl chloride	2.37	62	134865	25.316	ug/L 98
6) Bromomethane	2.79	94	99065	26.890	ug/L 97
8) Chloroethane	2.93	64	89213	27.755	ug/L 98
9) Trichlorofluoromethane	3.27	101	118857	27.433	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	136290	26.471	ug/L 99
12) 1,1-Dichloroethene	4.04	96	126177	25.487	ug/L 94
13) Acetone	4.12	43	36135	48.033	ug/L 94
14) Carbon disulfide	4.39	76	294311	21.845	ug/L 100
16) Methylene chloride	4.92	84	135406	25.179	ug/L 98
17) Methyl tert-butyl Ether	5.43	73	166743	27.582	ug/L 98
18) trans-1,2-Dichloroethene	5.43	96	132896	25.932	ug/L 95
19) 1,1-Dichloroethane	6.22	63	224212	27.615	ug/L 98
21) 2-Butanone	7.17	43	52248	43.254	ug/L 98
22) cis-1,2-Dichloroethene	7.18	96	145789	26.906	ug/L 97
23) Bromochloromethane	7.52	128	69632	26.691	ug/L 95

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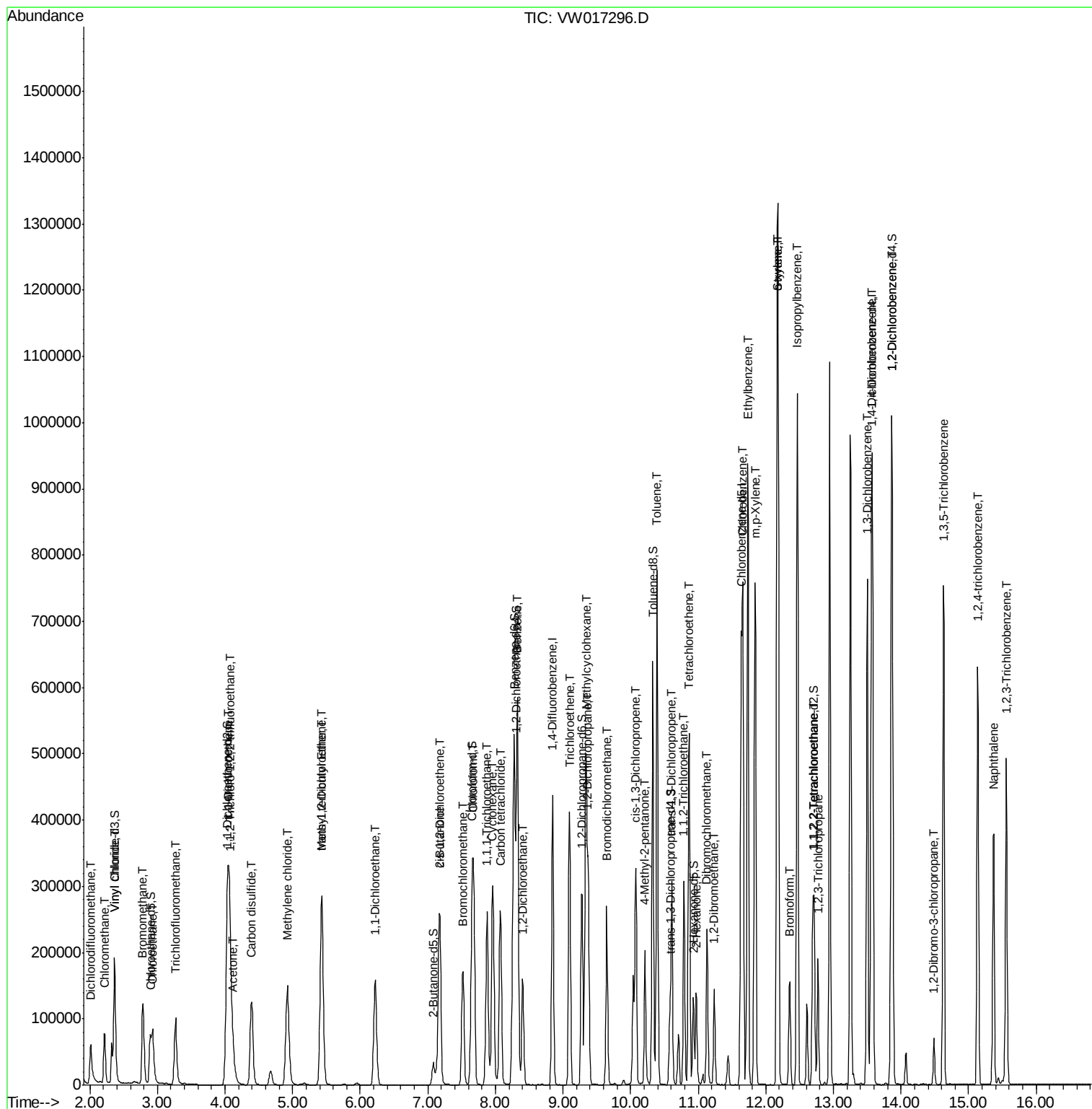
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	7.68	83	256150	28.978	ug/L	98
27) 1,2-Dichloroethane	8.40	62	149579	28.237	ug/L	97
30) Cyclohexane	7.96	56	165909	24.117	ug/L	97
31) 1,1,1-Trichloroethane	7.88	97	213151	28.487	ug/L	98
32) Carbon tetrachloride	8.07	117	202535	28.052	ug/L	99
34) Benzene	8.32	78	513134	26.746	ug/L	100
35) Trichloroethene	9.10	95	142892	26.588	ug/L	99
36) Methylcyclohexane	9.34	83	220589	25.507	ug/L	98
40) 1,2-Dichloropropane	9.37	63	121020	26.984	ug/L	99
41) Bromodichloromethane	9.65	83	178496	28.777	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	193368	27.221	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	119873	43.323	ug/L	98
44) Toluene	10.39	91	581798	27.550	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	168577	27.633	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	99988	25.858	ug/L	98
47) Tetrachloroethene	10.87	164	128085	26.415	ug/L	98
49) 2-Hexanone	10.97	43	77713	46.586	ug/L	100
50) Dibromochloromethane	11.13	129	127195	27.000	ug/L	97
51) 1,2-Dibromoethane	11.24	107	95061	25.305	ug/L	99
52) Chlorobenzene	11.66	112	394678	27.632	ug/L	98
53) Ethylbenzene	11.73	91	664915	28.188	ug/L	98
54) m,p-Xylene	11.84	106	257347	27.890	ug/L	97
55) o-xylene	12.17	106	252921	28.879	ug/L	95
56) Styrene	12.18	104	432489	29.412	ug/L	95
57) Isopropylbenzene	12.46	105	694560	29.222	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	111217	24.898	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	77907	24.264	ug/L	100
62) Bromoform	12.35	173	72306	24.269	ug/L	97
63) 1,3-Dichlorobenzene	13.50	146	330295	27.357	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	336807	27.766	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	300695	27.617	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	16744	23.260	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	250910	28.202	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	206685	29.111	ug/L	99
69) Naphthalene	15.37	128	345260	26.425	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	183834	28.338	ug/L	99

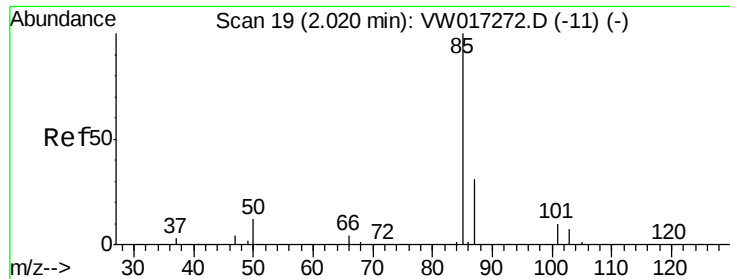
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#2

Dichlorodifluoromethane

Concen: 22.858 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.01 min

Lab File: VW017296.D

Acq: 17 Nov 2020 19:05

Instrument :

MSVOA_W

ClientSampleId :

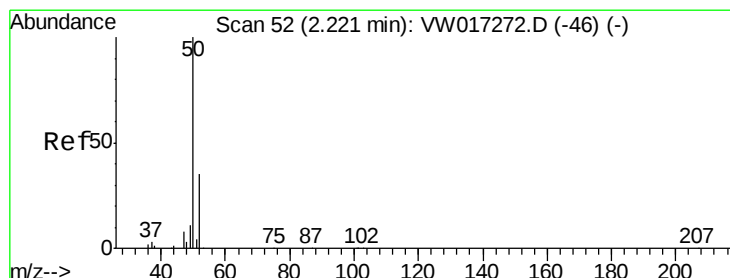
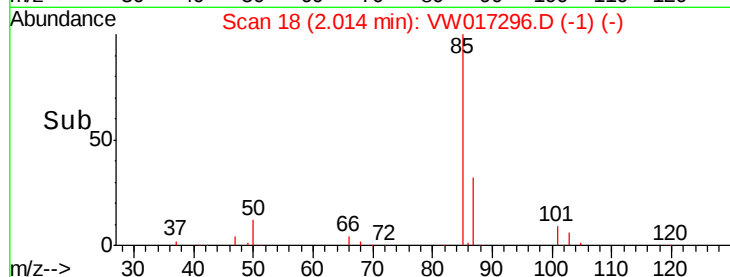
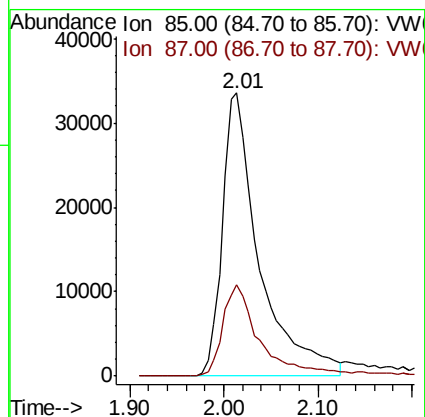
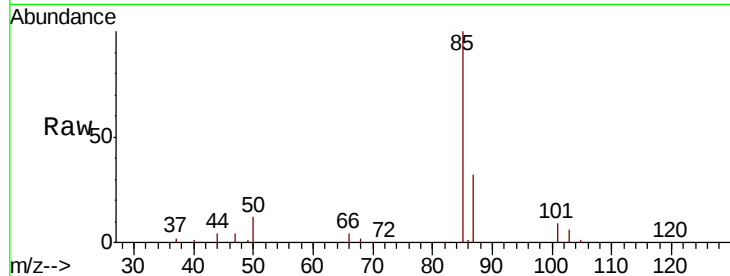
VSTD02510

Tot Ion: 85 Resp: 91479

Ion Ratio Lower Upper

85 100

87 31.7 21.5 39.9



#3

Chloromethane

Concen: 22.756 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW017296.D

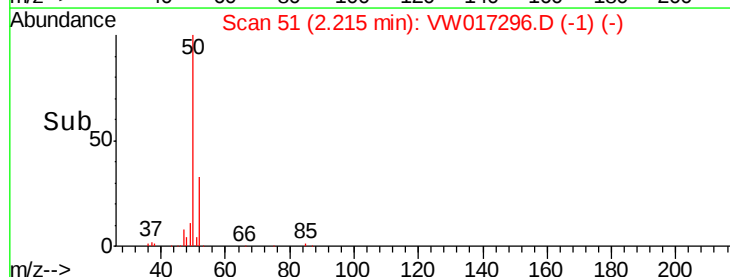
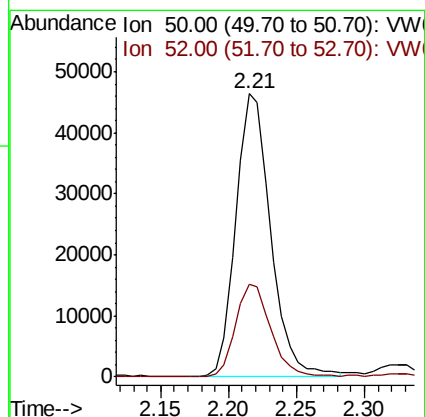
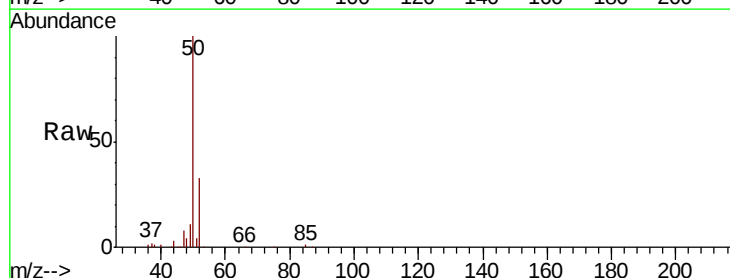
Acq: 17 Nov 2020 19:05

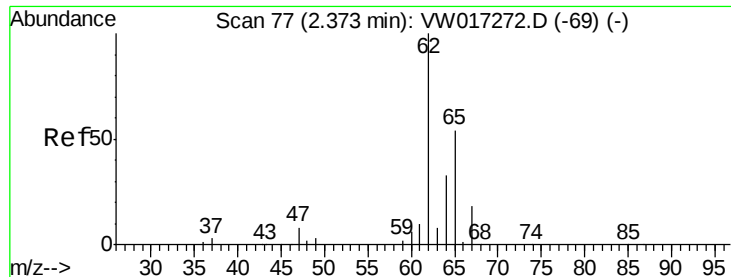
Tgt Ion: 50 Resp: 82655

Ion Ratio Lower Upper

50 100

52 32.7 23.1 42.9





#5

Vinyl chloride

Concen: 25.316 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW017296.D

Acq: 17 Nov 2020 19:05

Instrument :

MSVOA_W

ClientSampleId :

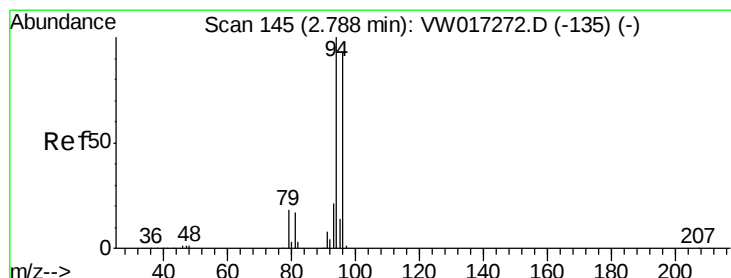
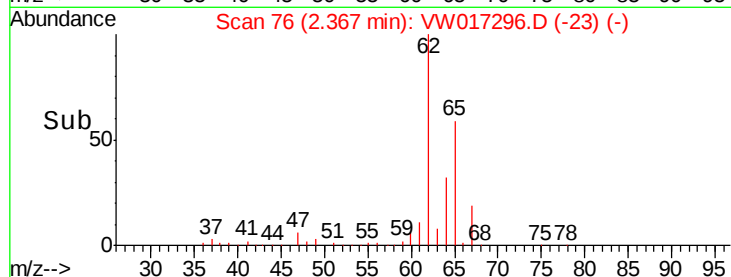
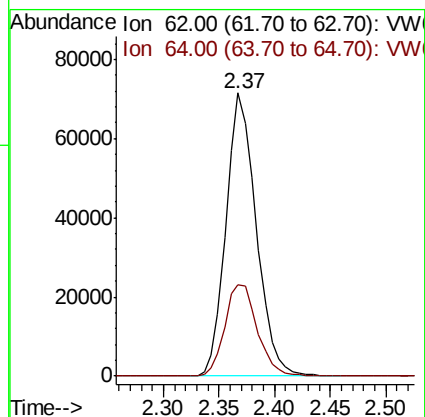
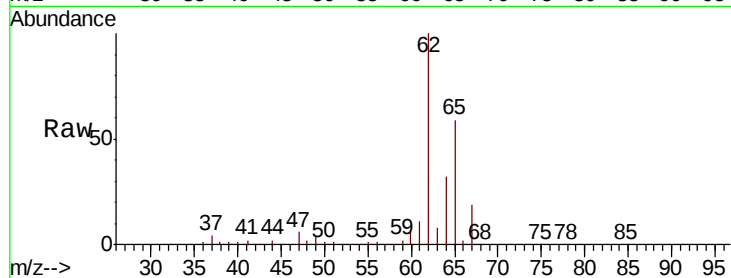
VSTD02510

Tot Ion: 62 Resp: 134865

Ion Ratio Lower Upper

62 100

64 32.2 23.3 43.3



#6

Bromomethane

Concen: 26.890 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW017296.D

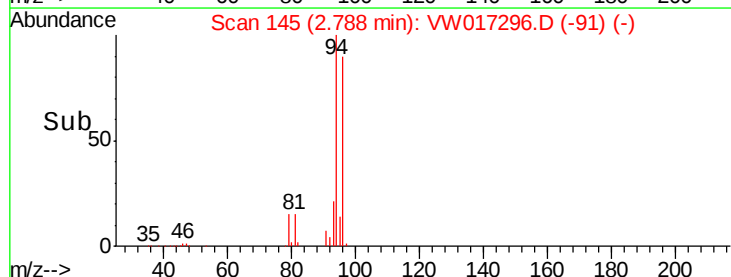
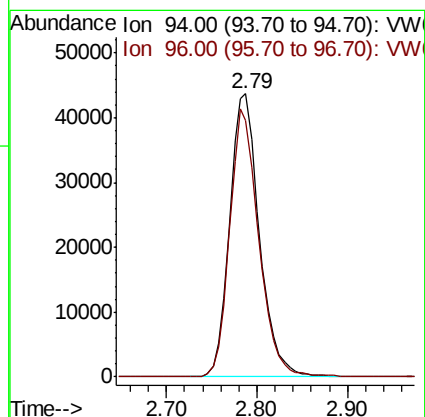
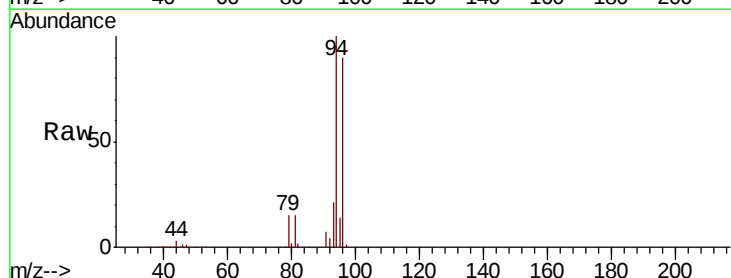
Acq: 17 Nov 2020 19:05

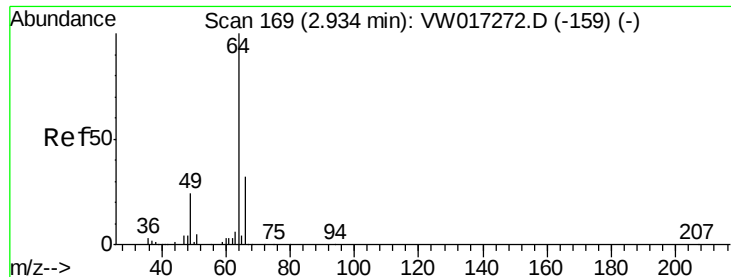
Tgt Ion: 94 Resp: 99065

Ion Ratio Lower Upper

94 100

96 92.4 9.6 181.8





#8

Chloroethane

Concen: 27.755 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW017296.D

Acq: 17 Nov 2020 19:05

Instrument :

MSVOA_W

ClientSampleId :

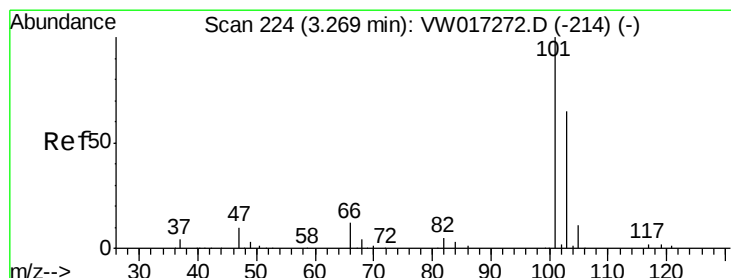
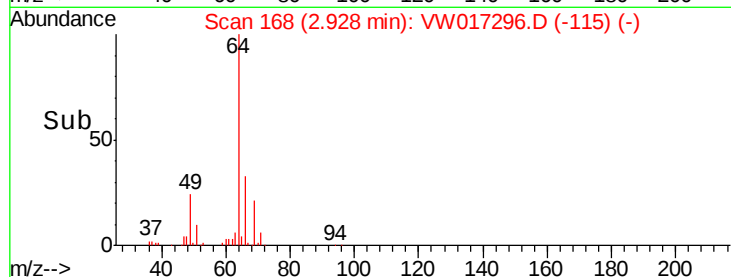
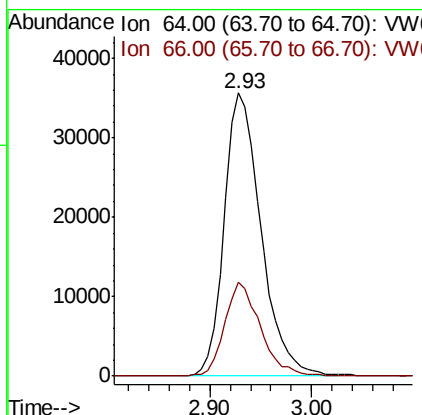
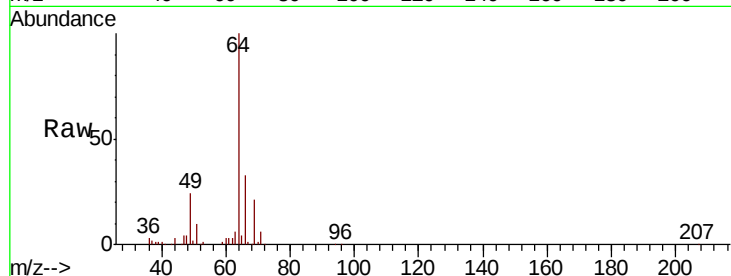
VSTD02510

Tot Ion: 64 Resp: 89213

Ion Ratio Lower Upper

64 100

66 33.0 22.3 41.5



#9

Trichlorofluoromethane

Concen: 27.433 ug/L

RT: 3.27 min Scan# 224

Delta R.T. 0.00 min

Lab File: VW017296.D

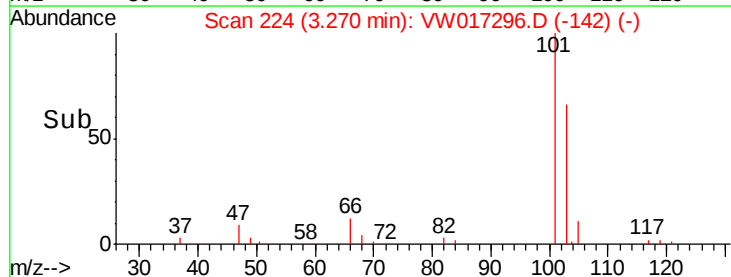
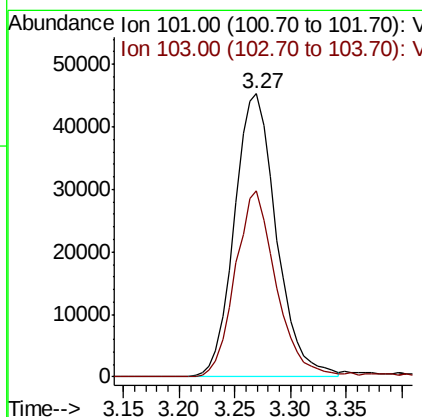
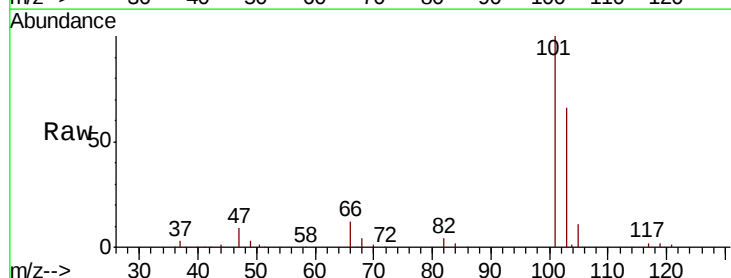
Acq: 17 Nov 2020 19:05

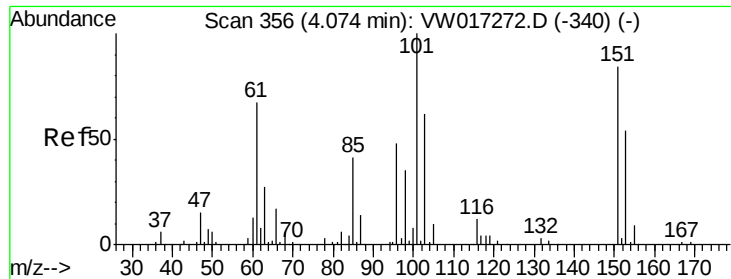
Tgt Ion: 101 Resp: 118857

Ion Ratio Lower Upper

101 100

103 64.0 45.4 84.2





#11

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

Concen: 26.471 ug/L

RT: 4.07 min Scan# 356

Delta R.T. 0.00 min

Lab File: VW017296.D

Acq: 17 Nov 2020 19:05

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ClientSampleId :

VSTD02510

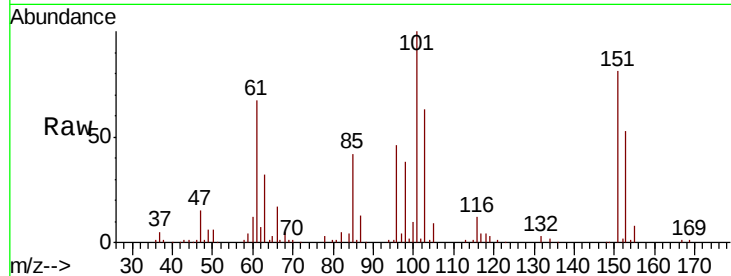
Tot Ion:101 Resp: 136290

Ion Ratio Lower Upper

101 100

85 41.9 32.8 49.2

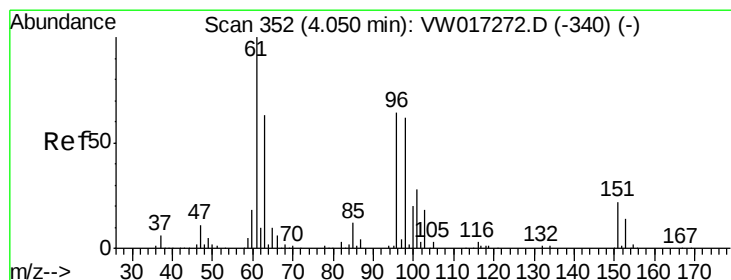
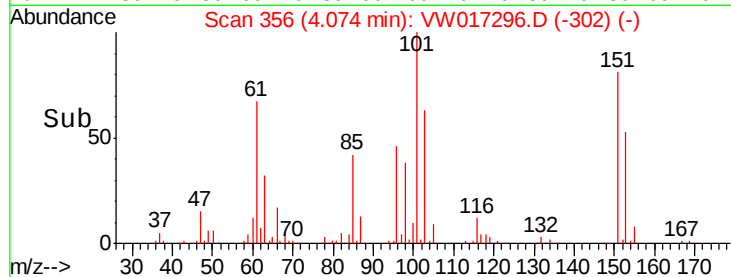
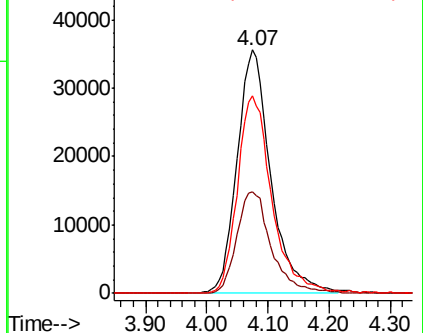
151 82.0 65.4 98.2



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: 25.487 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.01 min

Lab File: VW017296.D

Acq: 17 Nov 2020 19:05

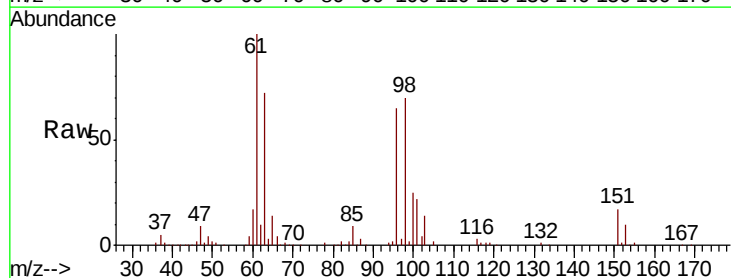
Tgt Ion: 96 Resp: 126177

Ion Ratio Lower Upper

96 100

61 153.4 103.8 192.8

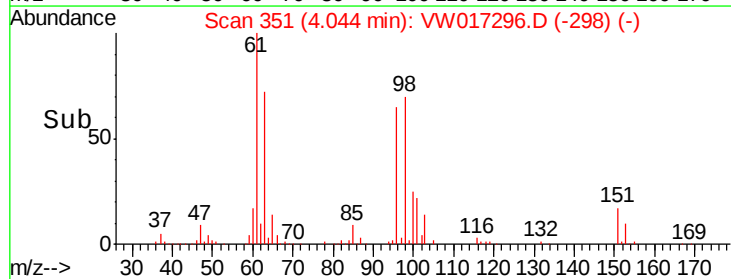
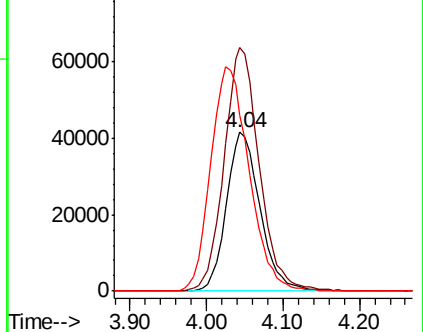
63 111.0 84.4 156.7

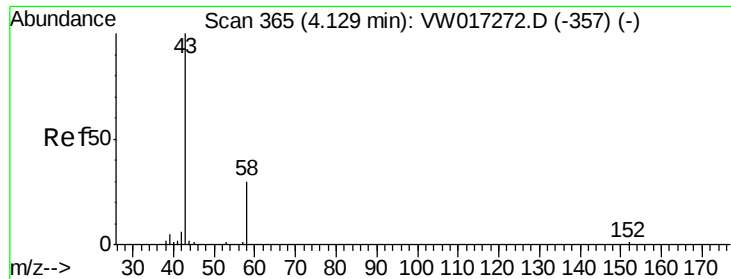


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 48.033 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

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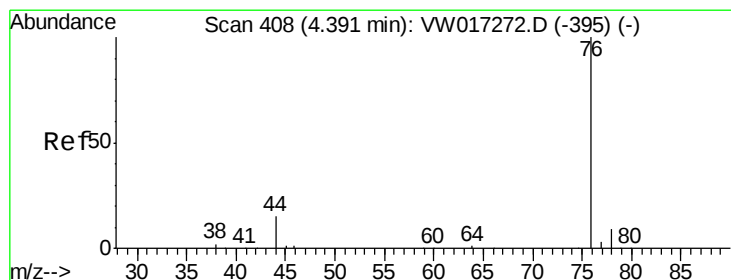
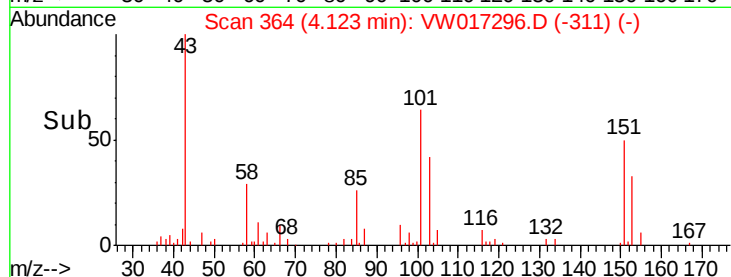
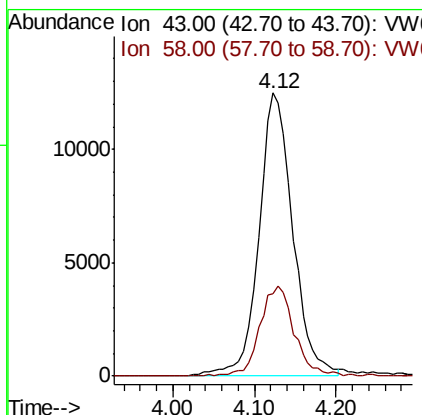
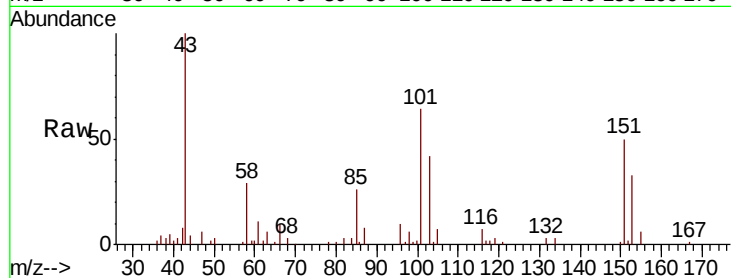
VSTD02510

Tot Ion: 43 Resp: 36135

Ion Ratio Lower Upper

43 100

58 31.1 0.0 69.2



#14

Carbon disulfide

Concen: 21.845 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.00 min

Lab File: VW017296.D

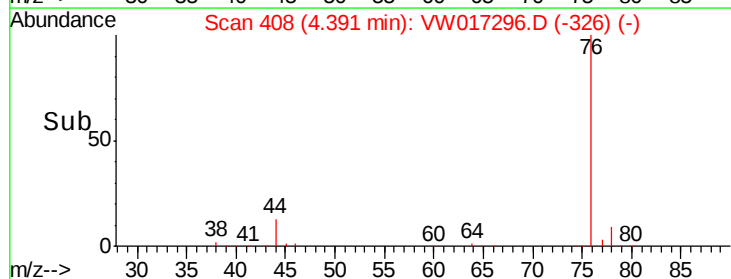
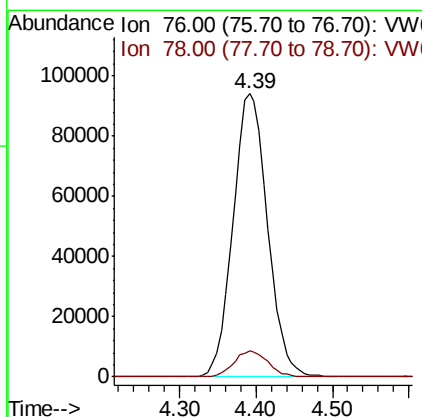
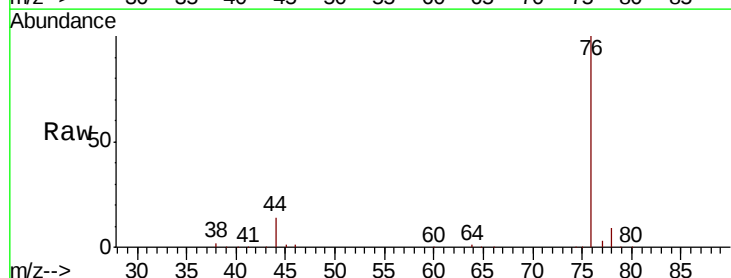
Acq: 17 Nov 2020 19:05

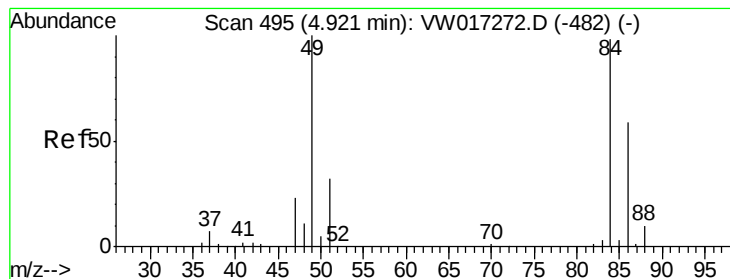
Tgt Ion: 76 Resp: 294311

Ion Ratio Lower Upper

76 100

78 9.4 7.6 11.4





#16

Methylene chloride

Concen: 25.179 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.00 min

Lab File: VW017296.D

Acq: 17 Nov 2020 19:05

Instrument :

MSVOA_W

ClientSampled :

VSTD02510

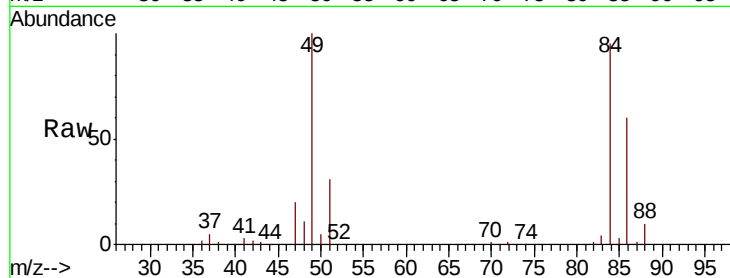
Tot Ion: 84 Resp: 135406

Ion Ratio Lower Upper

84 100

49 105.1 72.3 134.3

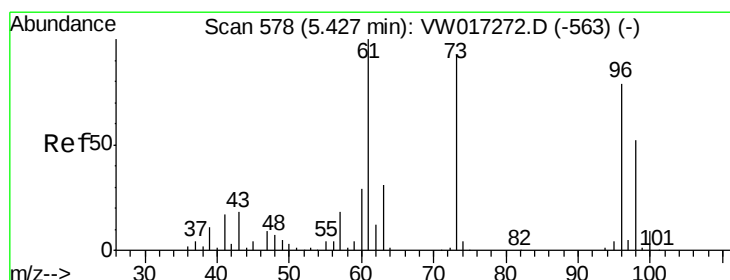
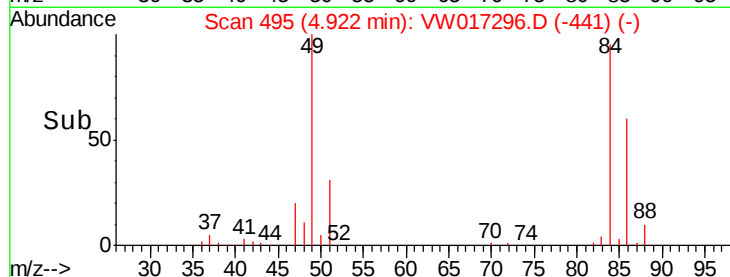
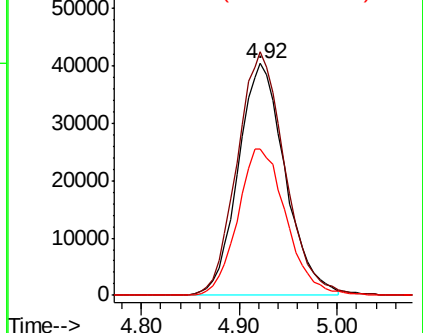
86 62.9 45.1 83.7



Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW



#17

Methyl tert-butyl Ether

Concen: 27.582 ug/L

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW017296.D

Acq: 17 Nov 2020 19:05

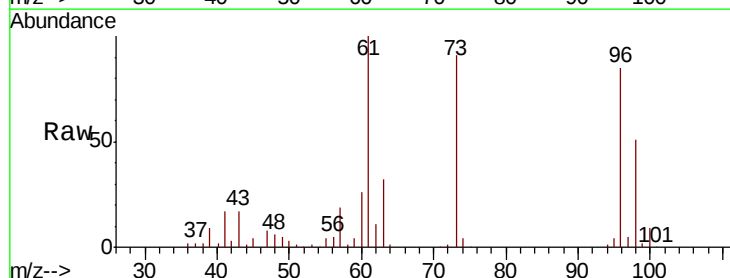
Tgt Ion: 73 Resp: 166743

Ion Ratio Lower Upper

73 100

43 19.4 14.5 21.7

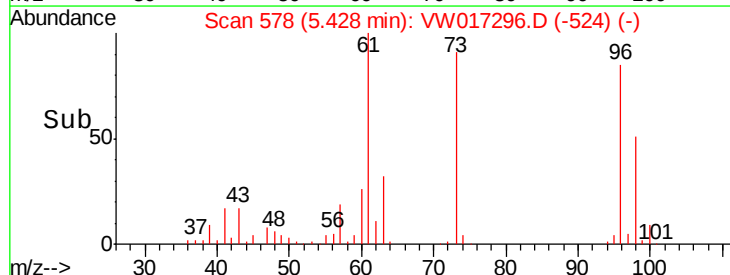
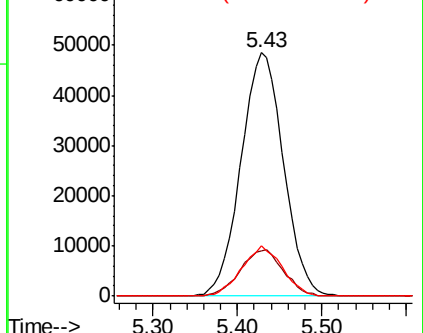
57 19.9 16.3 24.5

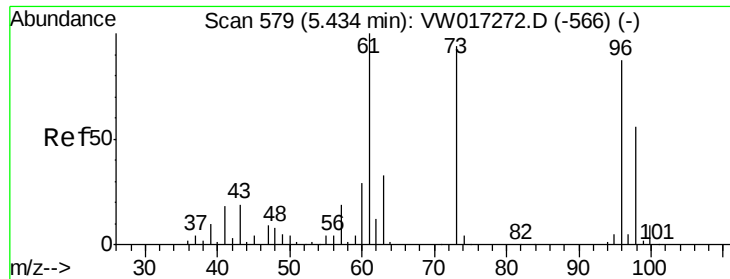


Abundance Ion 73.00 (72.70 to 73.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 57.00 (56.70 to 57.70): VW

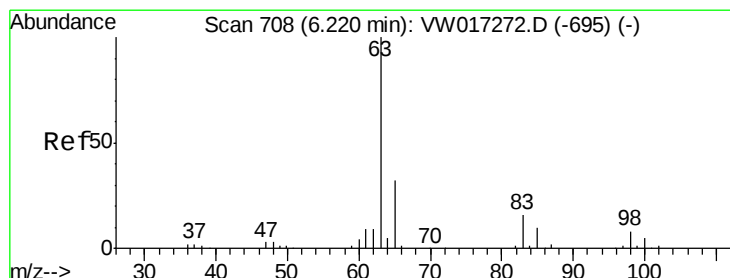
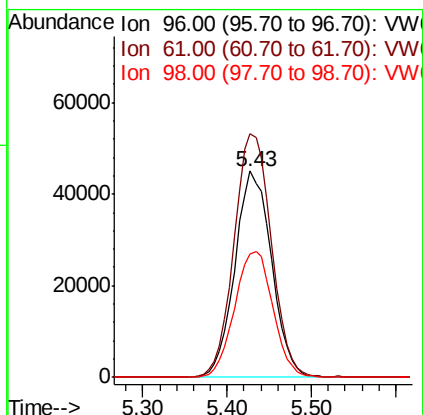
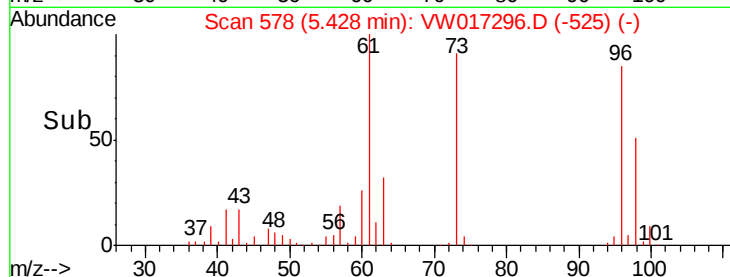
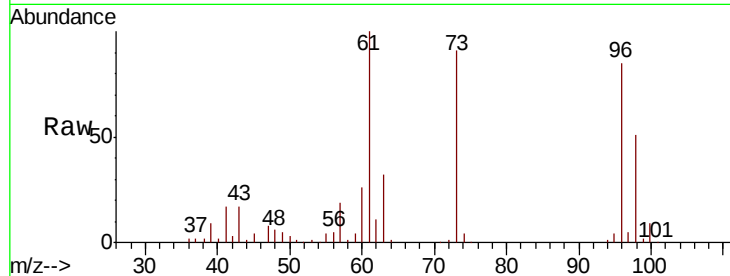




#18
 trans-1,2-Dichloroethene
 Concen: 25.932 ug/L
 RT: 5.43 min Scan# 578
 Delta R.T. -0.01 min
 Lab File: VW017296.D
 Acq: 17 Nov 2020 19:05

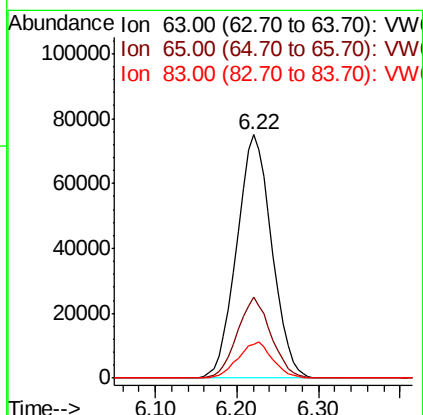
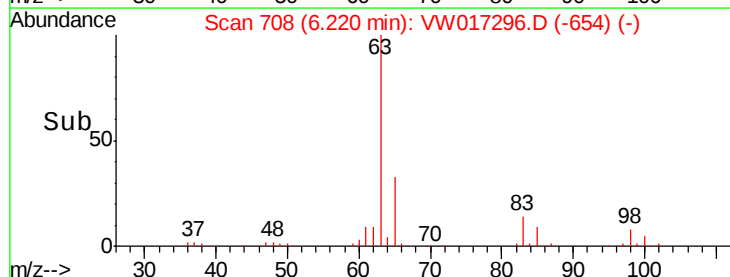
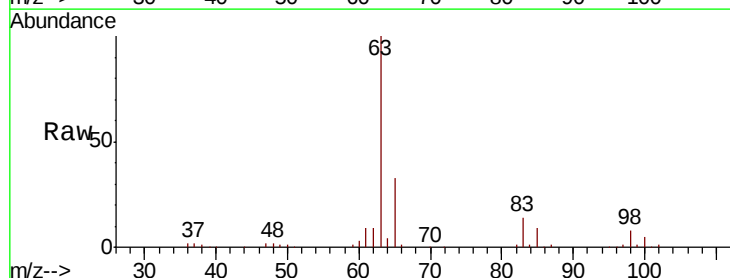
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

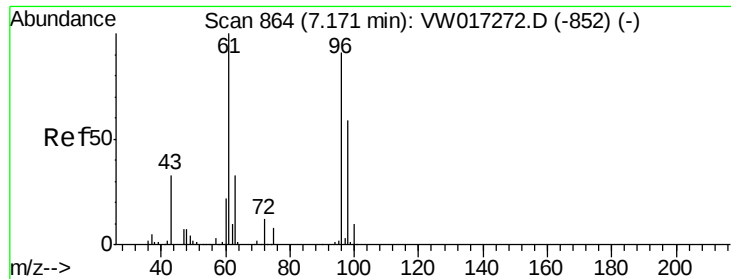
Tot Ion: 96 Resp: 132896
 Ion Ratio Lower Upper
 96 100
 61 118.0 86.8 161.2
 98 59.7 44.4 82.4



#19
 1,1-Dichloroethane
 Concen: 27.615 ug/L
 RT: 6.22 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: VW017296.D
 Acq: 17 Nov 2020 19:05

Tgt Ion: 63 Resp: 224212
 Ion Ratio Lower Upper
 63 100
 65 33.1 22.1 41.1
 83 13.8 10.0 18.6





#21

2-Butanone

Concen: 43.254 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW017296.D

Acq: 17 Nov 2020 19:05

Instrument :

MSVOA_W

ClientSampled :

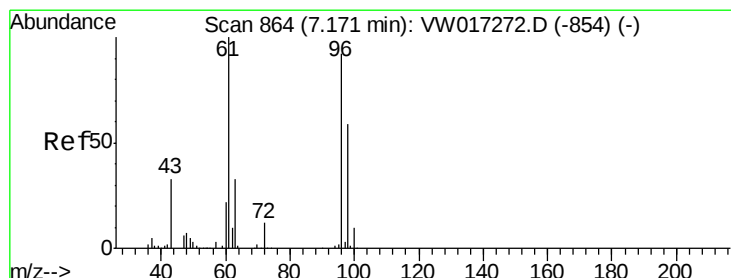
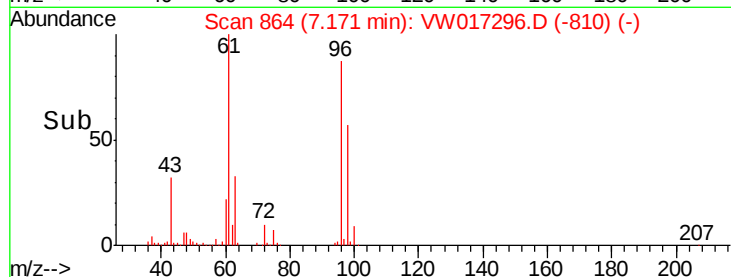
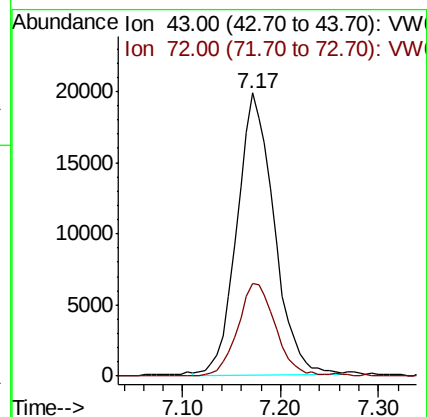
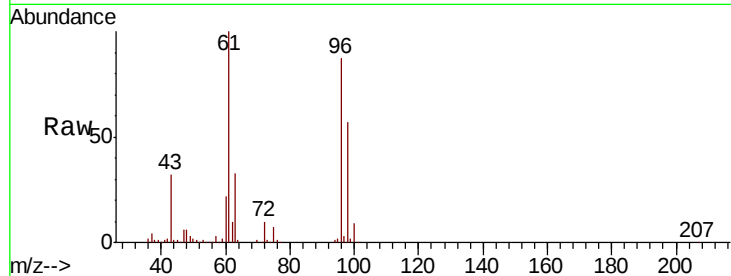
VSTD02510

Tot Ion: 43 Resp: 52248

Ion Ratio Lower Upper

43 100

72 33.4 16.1 48.3



#22

cis-1,2-Dichloroethene

Concen: 26.906 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW017296.D

Acq: 17 Nov 2020 19:05

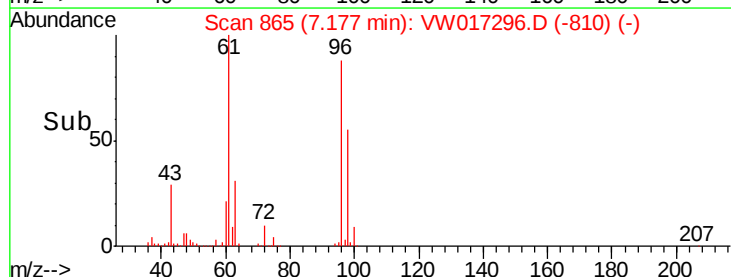
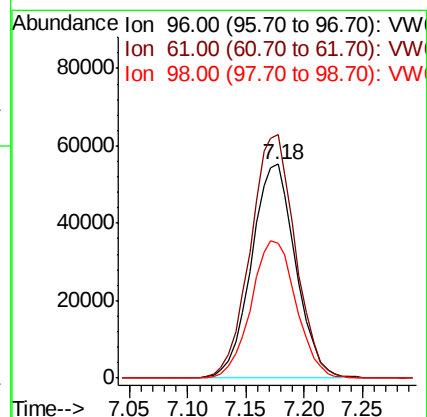
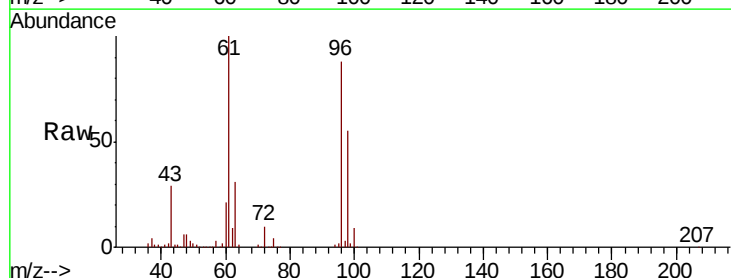
Tgt Ion: 96 Resp: 145789

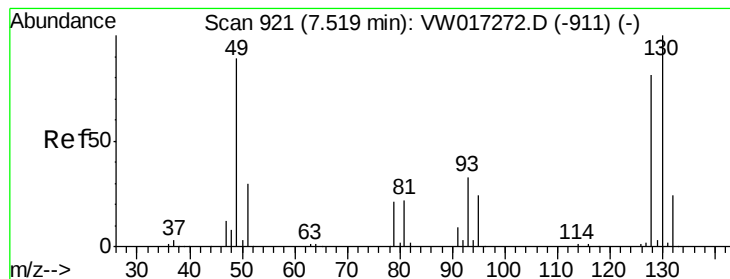
Ion Ratio Lower Upper

96 100

61 114.0 77.4 143.8

98 63.1 45.1 83.7





#23

Bromochloromethane

Concen: 26.691 ug/L

RT: 7.52 min Scan# 921

Delta R.T. 0.00 min

Lab File: VW017296.D

Acq: 17 Nov 2020 19:05

Instrument :

MSVOA_W

ClientSampleId :

VSTD02510

Tot Ion:128 Resp: 69632

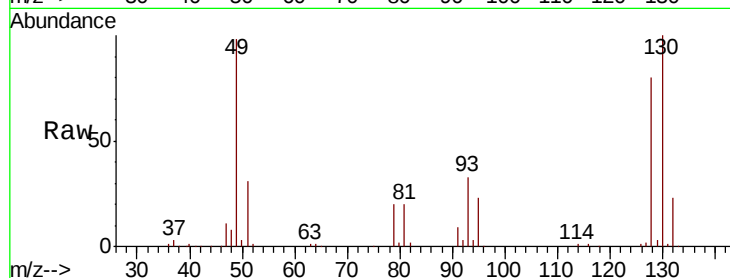
Ion Ratio Lower Upper

128 100

49 123.4 88.3 163.9

130 125.7 95.6 177.6

51 39.1 32.2 48.4

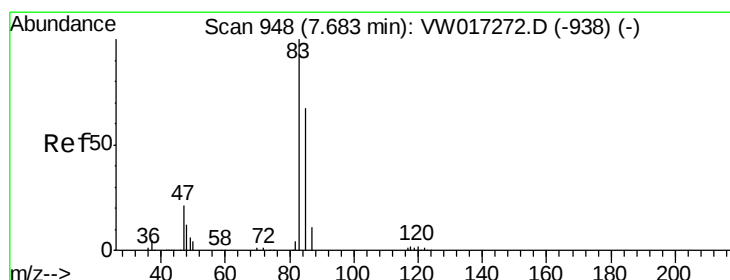
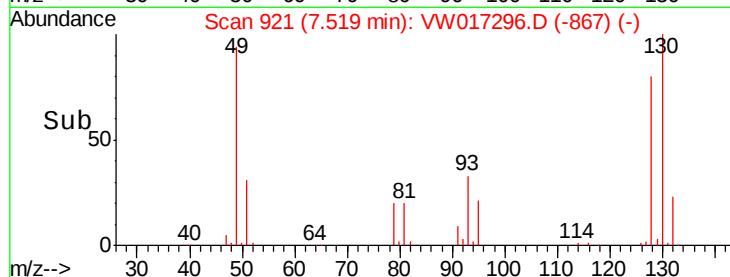
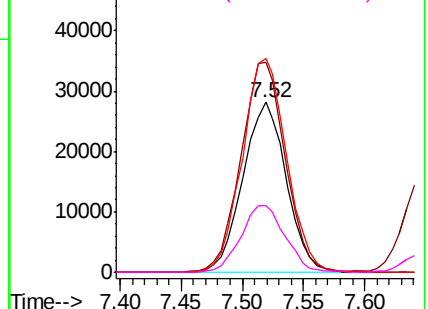


Abundance Ion 128.00 (127.70 to 128.70): V

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: 28.978 ug/L

RT: 7.68 min Scan# 947

Delta R.T. -0.01 min

Lab File: VW017296.D

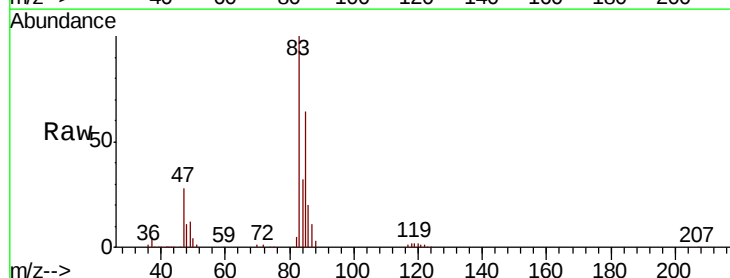
Acq: 17 Nov 2020 19:05

Tgt Ion: 83 Resp: 256150

Ion Ratio Lower Upper

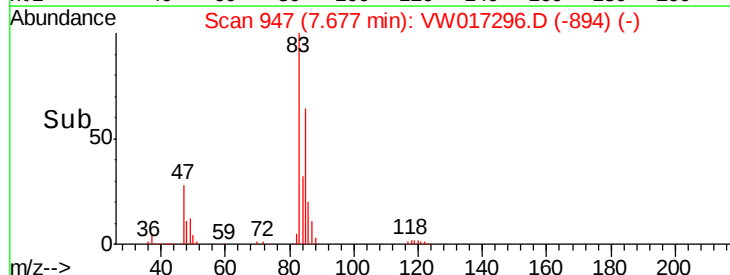
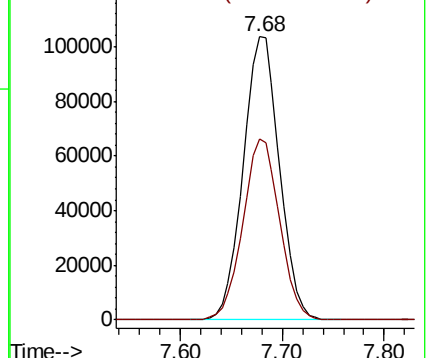
83 100

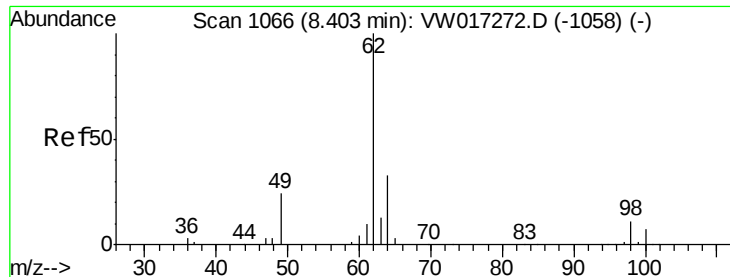
85 65.0 46.4 86.2



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

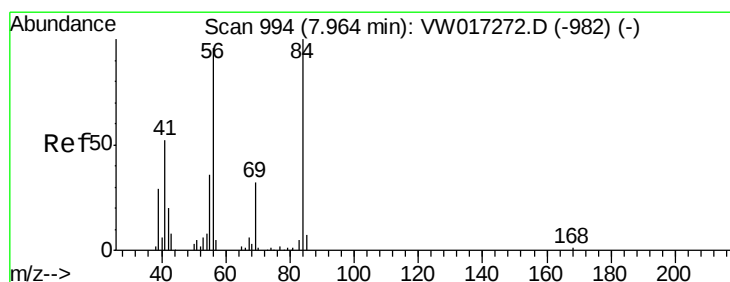
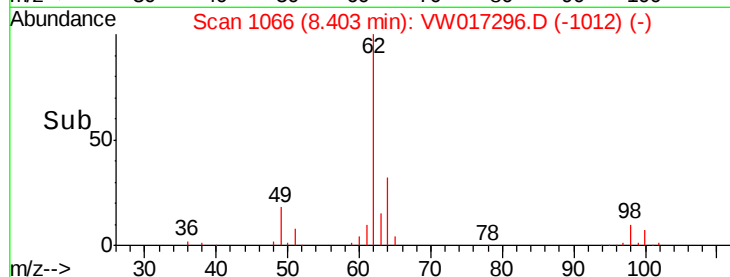
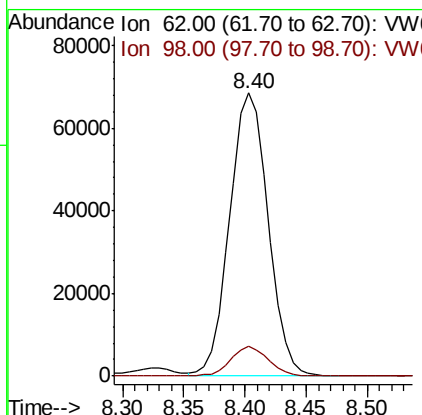
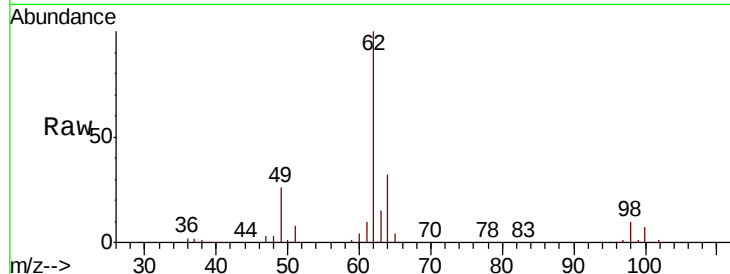




#27
 1,2-Dichloroethane
 Concen: 28.237 ug/L
 RT: 8.40 min Scan# 1066
 Delta R.T. 0.00 min
 Lab File: VW017296.D
 Acq: 17 Nov 2020 19:05

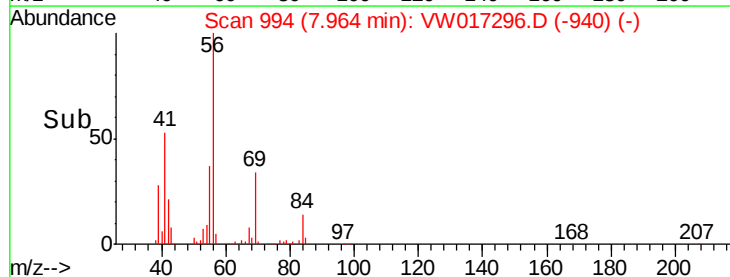
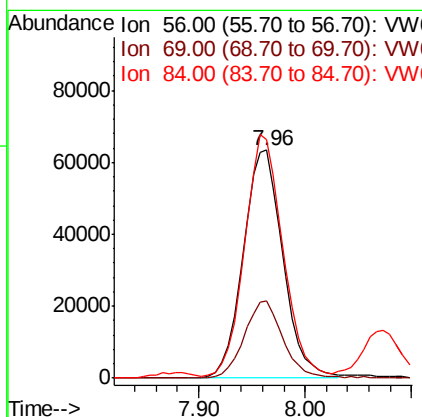
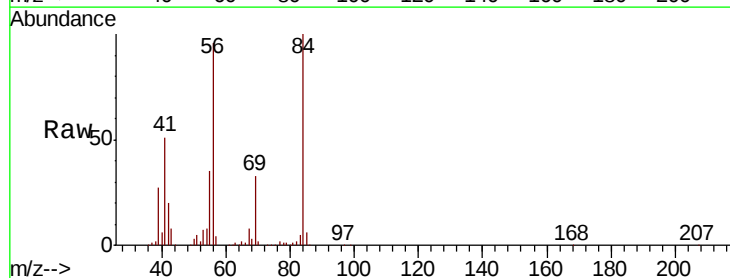
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

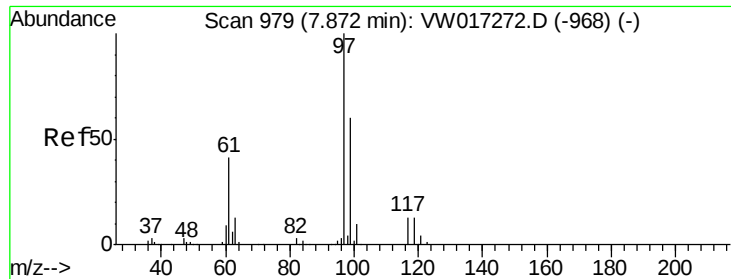
Tot Ion: 62 Resp: 149579
 Ion Ratio Lower Upper
 62 100
 98 10.4 9.4 14.0



#30
 Cyclohexane
 Concen: 24.117 ug/L
 RT: 7.96 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VW017296.D
 Acq: 17 Nov 2020 19:05

Tgt Ion: 56 Resp: 165909
 Ion Ratio Lower Upper
 56 100
 69 32.7 26.1 39.1
 84 103.3 79.1 118.7

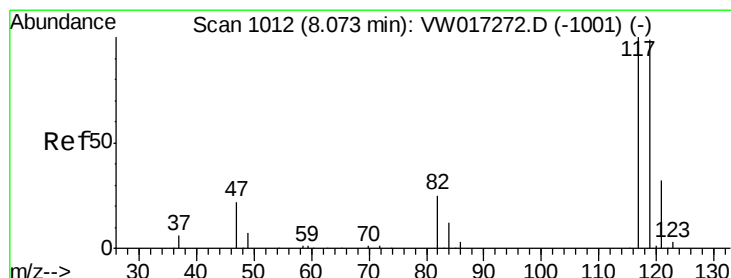
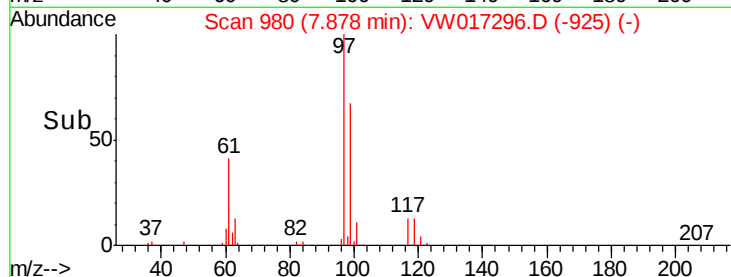
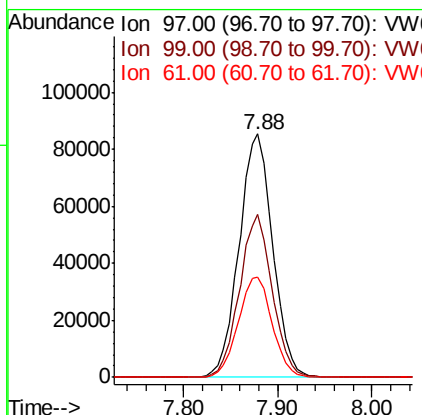
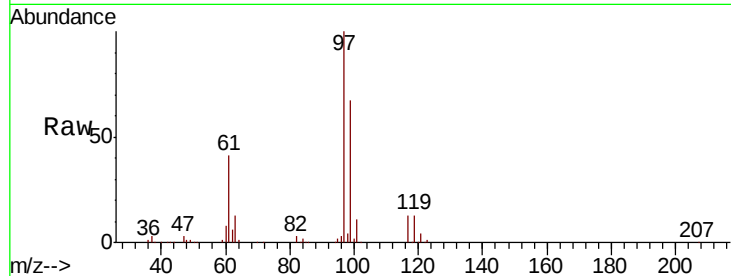




#31
 1,1,1-Trichloroethane
 Concen: 28.487 ug/L
 RT: 7.88 min Scan# 980
 Delta R.T. 0.01 min
 Lab File: VW017296.D
 Acq: 17 Nov 2020 19:05

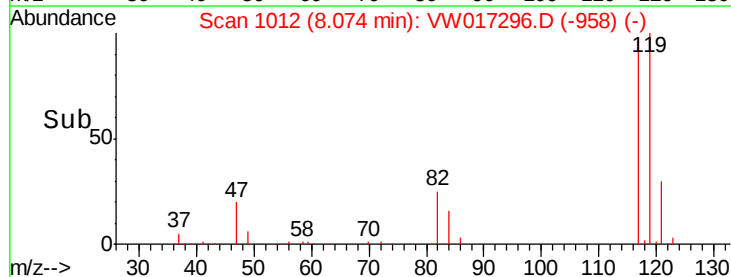
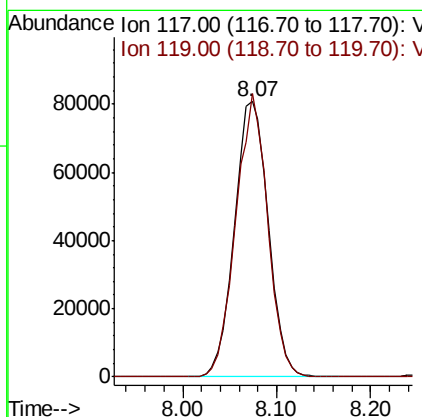
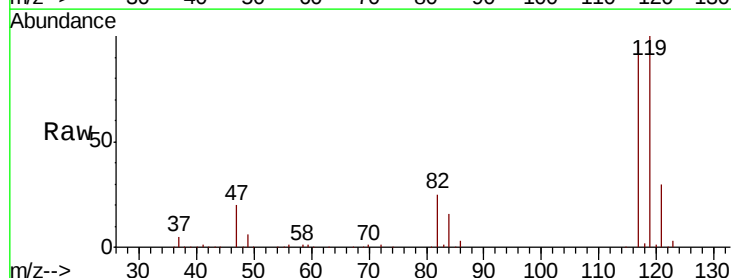
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02510

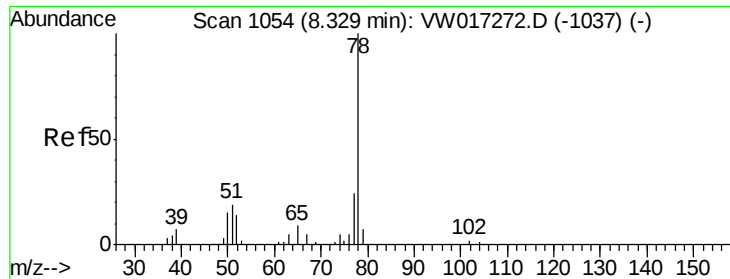
Tot Ion: 97 Resp: 213151
 Ion Ratio Lower Upper
 97 100
 99 65.0 51.4 77.0
 61 41.6 31.6 47.4



#32
 Carbon tetrachloride
 Concen: 28.052 ug/L
 RT: 8.07 min Scan# 1012
 Delta R.T. 0.00 min
 Lab File: VW017296.D
 Acq: 17 Nov 2020 19:05

Tgt Ion: 117 Resp: 202535
 Ion Ratio Lower Upper
 117 100
 119 96.3 77.7 116.5





#34

Benzene

Concen: 26.746 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VW017296.D

Acq: 17 Nov 2020 19:05

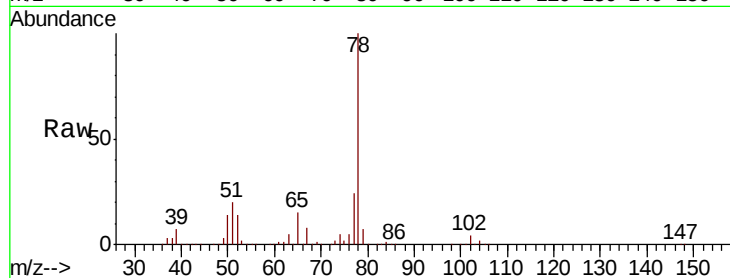
Instrument :

MSVOA_W

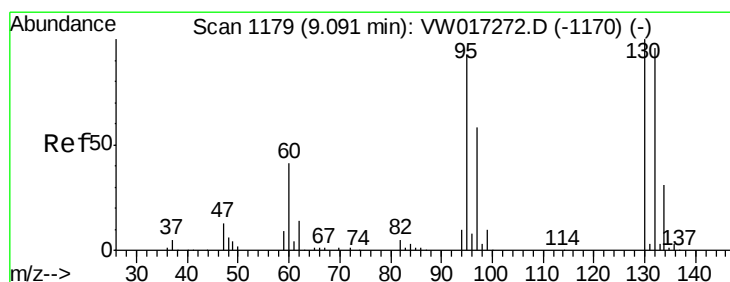
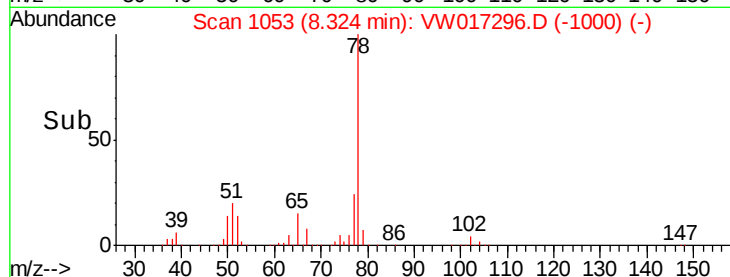
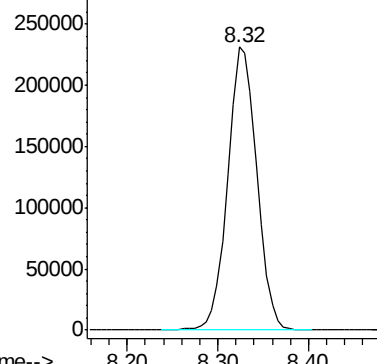
ClientSampleId :

VSTD02510

Tgt Ion: 78 Resp: 513134



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 26.588 ug/L

RT: 9.10 min Scan# 1180

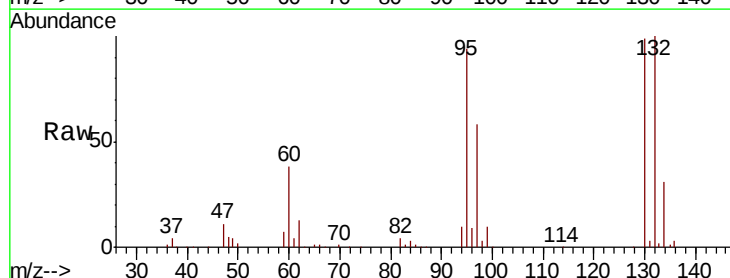
Delta R.T. 0.01 min

Lab File: VW017296.D

Acq: 17 Nov 2020 19:05

Tgt Ion: 95 Resp: 142892

Ion	Ratio	Lower	Upper
95	100		
97	64.5	45.0	83.6
132	107.4	73.7	136.9
130	110.8	77.1	143.1

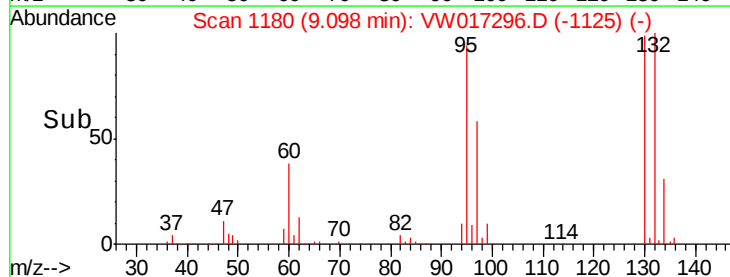


Abundance Ion 95.00 (94.70 to 95.70): VW

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

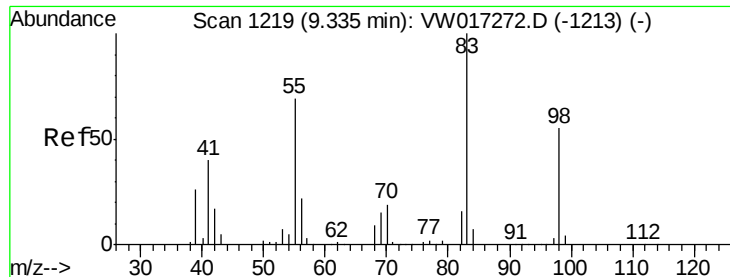


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

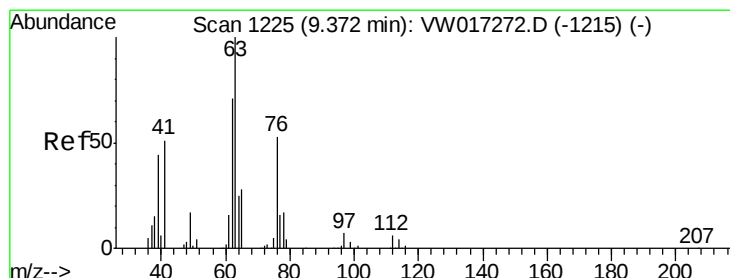
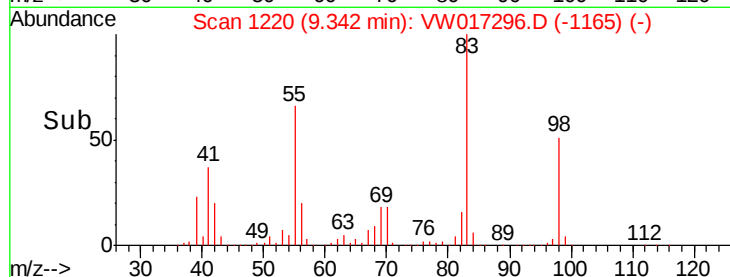
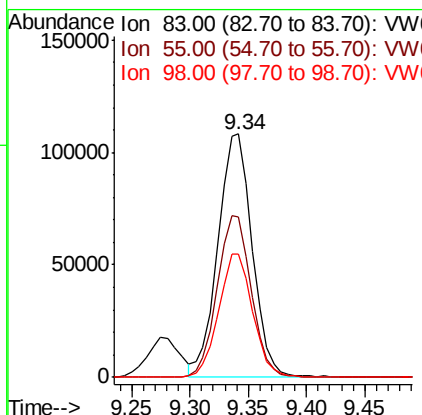
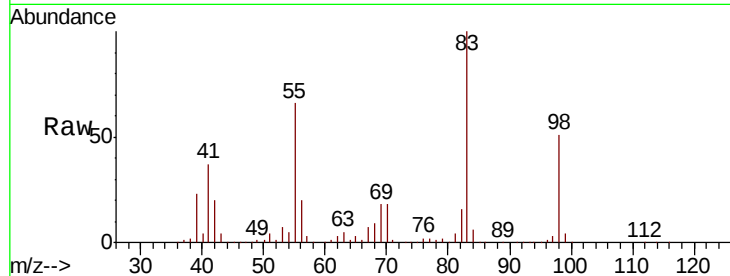
Ion 130.00 (129.70 to 130.70): V



#36
Methvlcvclohexane
Concen: 25.507 ug/L
RT: 9.34 min Scan# 1220
Delta R.T. 0.01 min
Lab File: VW017296.D
Acq: 17 Nov 2020 19:05

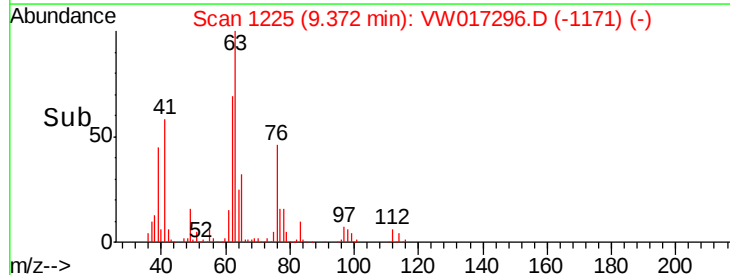
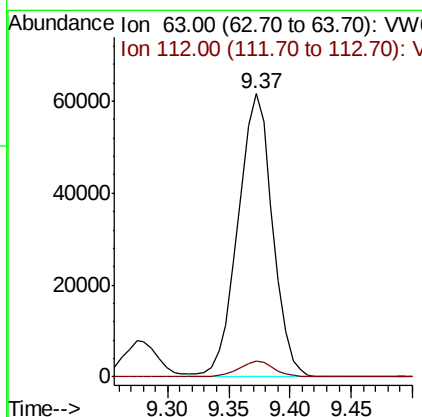
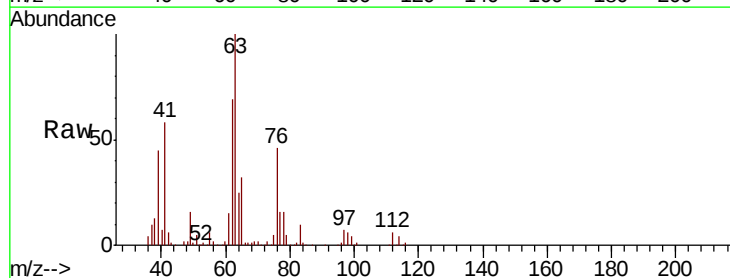
Instrument :
MSVOA_W
ClientSampleId :
VSTD02510

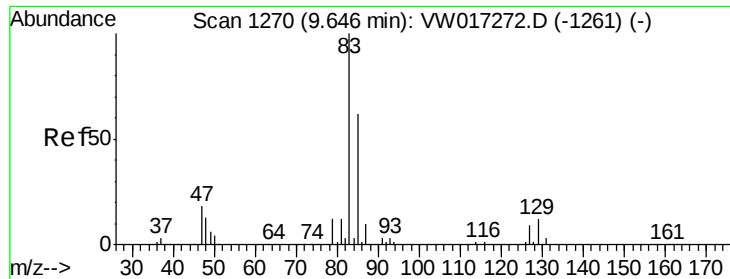
Tot Ion: 83 Resp: 220589
Ion Ratio Lower Upper
83 100
55 66.0 54.4 81.6
98 50.0 40.5 60.7



#40
1,2-Dichloropropane
Concen: 26.984 ug/L
RT: 9.37 min Scan# 1225
Delta R.T. 0.00 min
Lab File: VW017296.D
Acq: 17 Nov 2020 19:05

Tgt Ion: 63 Resp: 121020
Ion Ratio Lower Upper
63 100
112 5.5 4.2 6.2





#41

Bromodichloromethane

Concen: 28.777 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW017296.D

Acq: 17 Nov 2020 19:05

Instrument :

MSVOA_W

ClientSampleId :

VSTD02510

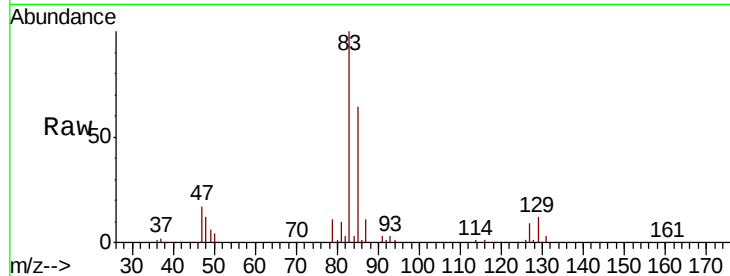
Tot Ion: 83 Resp: 178496

Ion Ratio Lower Upper

83 100

85 64.1 44.4 82.4

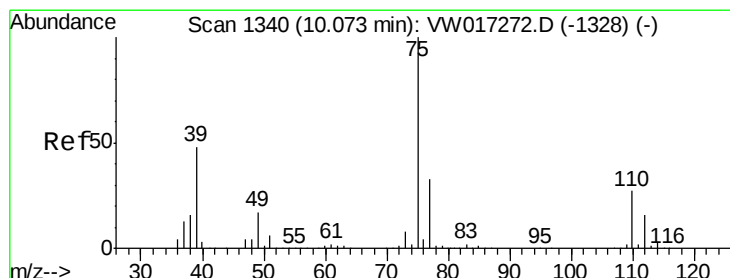
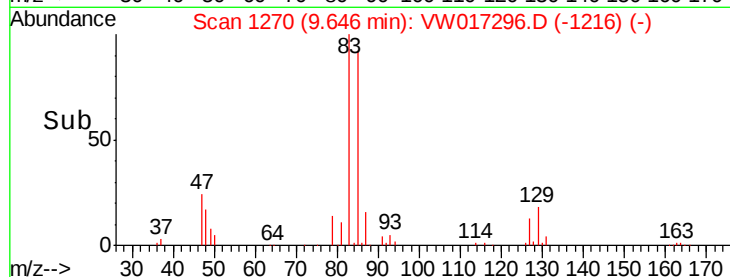
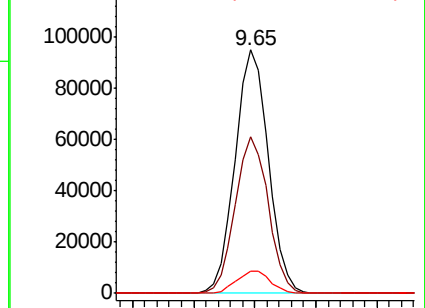
127 9.3 7.3 10.9



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): VW



#42

cis-1,3-Dichloropropene

Concen: 27.221 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW017296.D

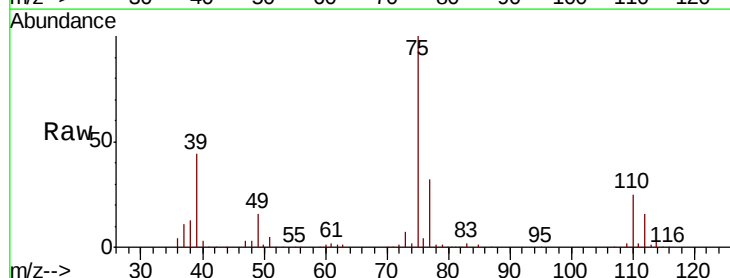
Acq: 17 Nov 2020 19:05

Tgt Ion: 75 Resp: 193368

Ion Ratio Lower Upper

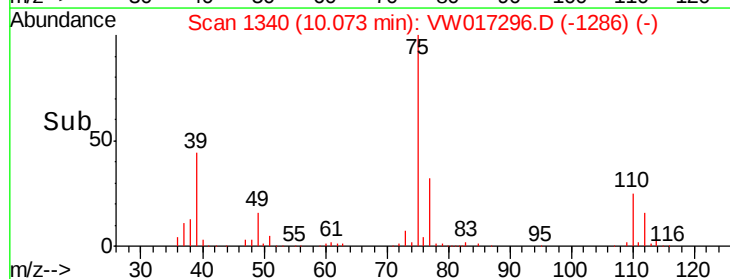
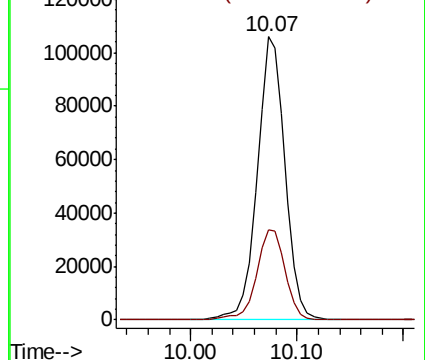
75 100

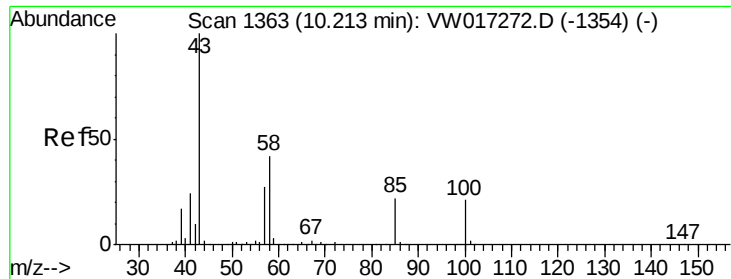
77 31.7 22.0 41.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

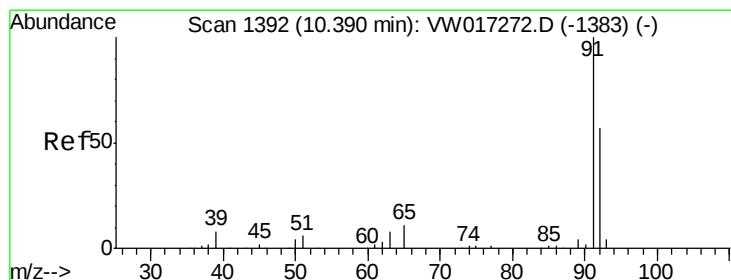
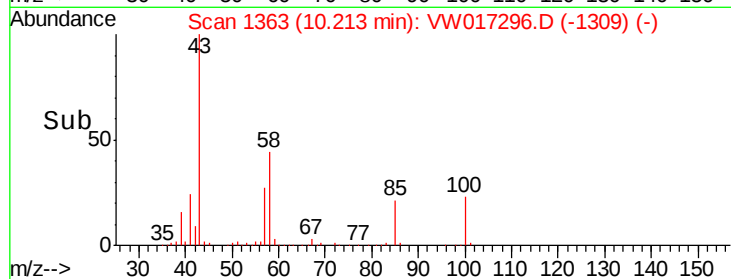
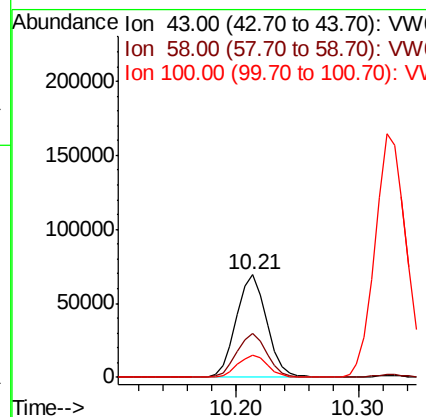
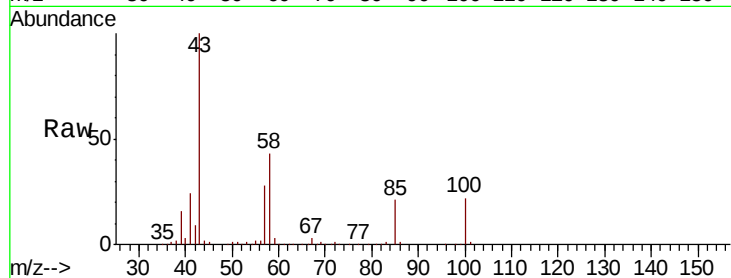




#43
4-Methyl-2-pentanone
Concen: 43.323 ug/L
RT: 10.21 min Scan# 1363
Delta R.T. 0.00 min
Lab File: VW017296.D
Acq: 17 Nov 2020 19:05

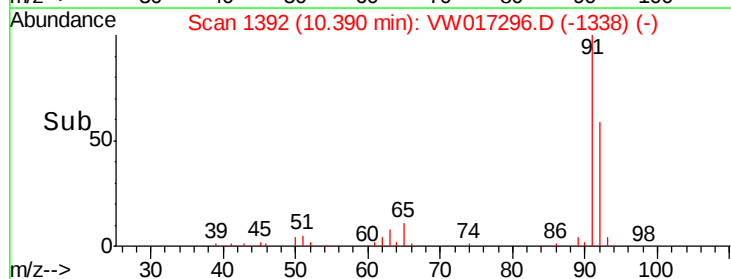
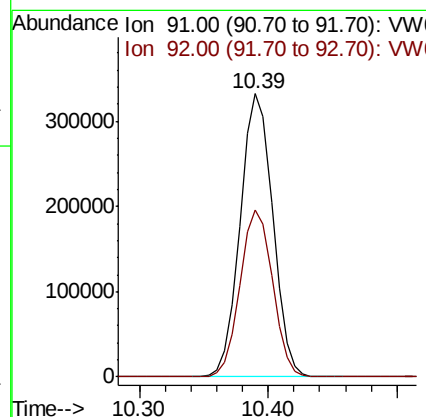
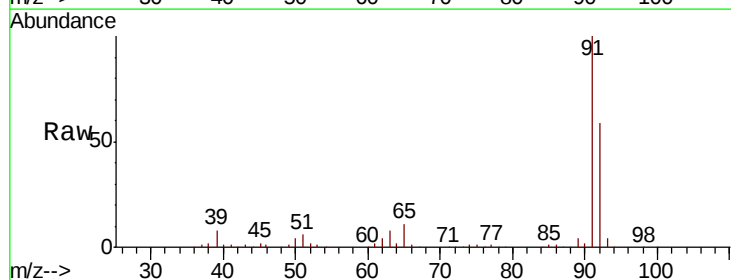
Instrument :
MSVOA_W
ClientSampled :
VSTD02510

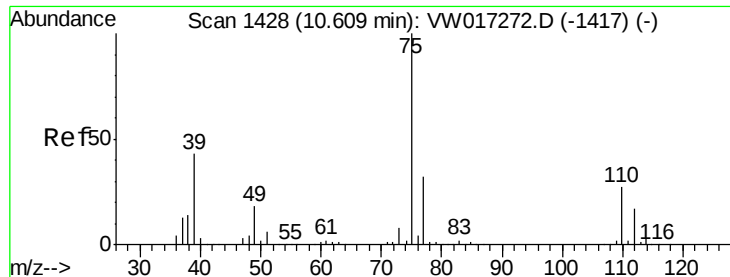
Tot Ion: 43 Resp: 119873
Ion Ratio Lower Upper
43 100
58 42.5 35.0 52.6
100 21.5 16.6 24.8



#44
Toluene
Concen: 27.550 ug/L
RT: 10.39 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW017296.D
Acq: 17 Nov 2020 19:05

Tgt Ion: 91 Resp: 581798
Ion Ratio Lower Upper
91 100
92 59.1 41.4 76.8





#45

trans-1,3-Dichloropropene

Concen: 27.633 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW017296.D

Acq: 17 Nov 2020 19:05

Instrument :

MSVOA_W

ClientSampleId :

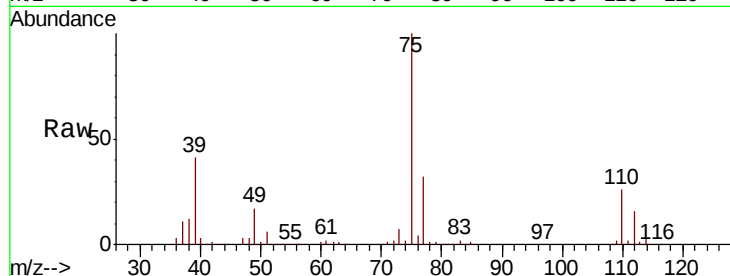
VSTD02510

Tot Ion: 75 Resp: 168577

Ion Ratio Lower Upper

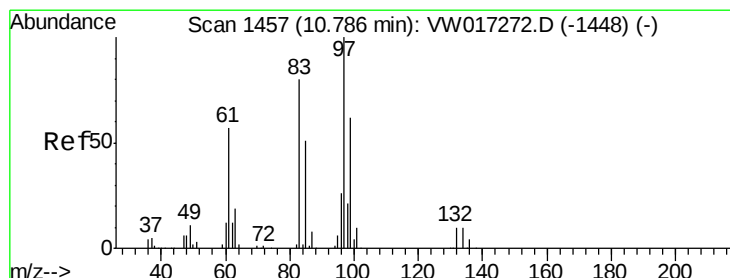
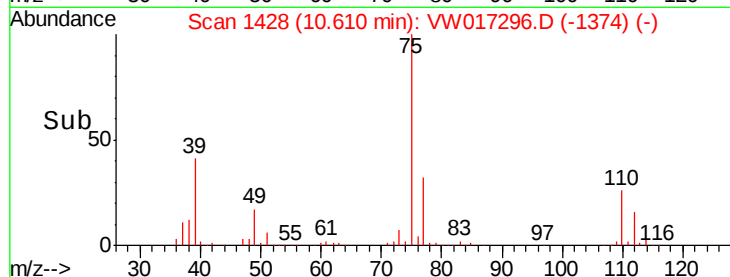
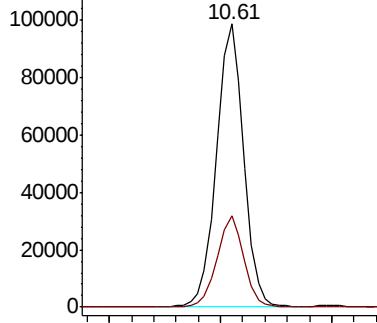
75 100

77 32.4 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#46

1,1,2-Trichloroethane

Concen: 25.858 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW017296.D

Acq: 17 Nov 2020 19:05

Tgt Ion: 97 Resp: 99988

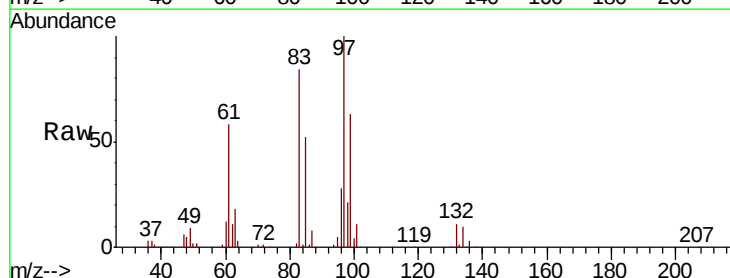
Ion Ratio Lower Upper

97 100

83 83.6 57.3 106.5

85 52.2 37.2 69.0

99 63.2 45.7 84.9

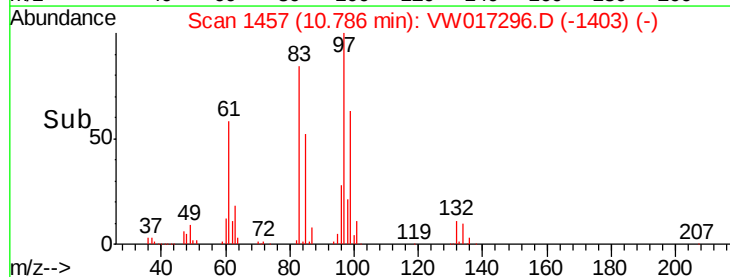
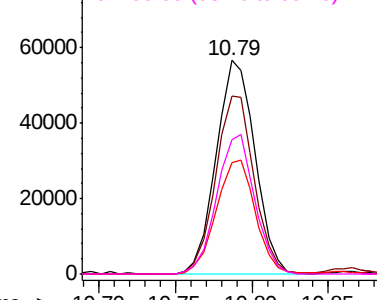


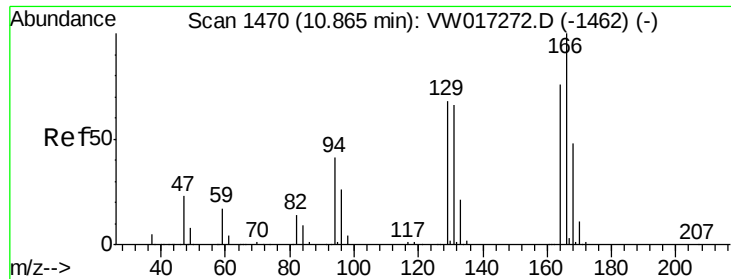
Abundance Ion 97.00 (96.70 to 97.70): VW

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: 26.415 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW017296.D

Acq: 17 Nov 2020 19:05

Instrument :

MSVOA_W

ClientSampled :

VSTD02510

Tot Ion:164 Resp: 128085

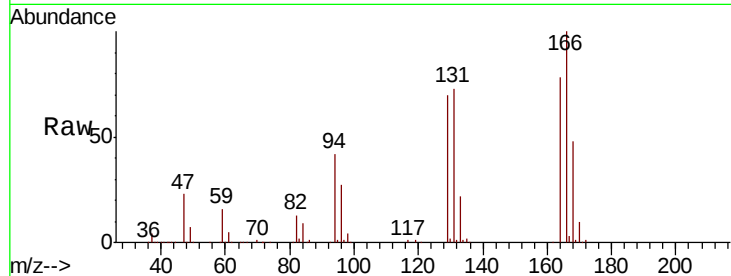
Ion Ratio Lower Upper

164 100

129 89.3 62.9 116.7

131 92.7 63.3 117.5

166 127.7 92.0 170.8

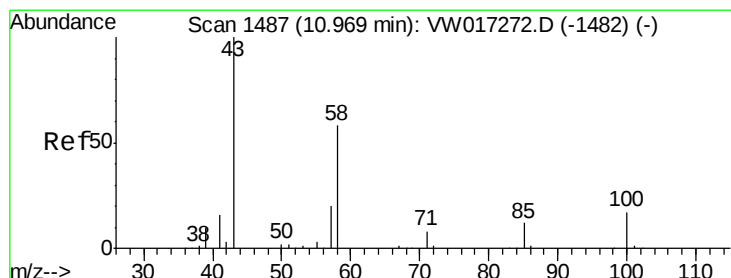
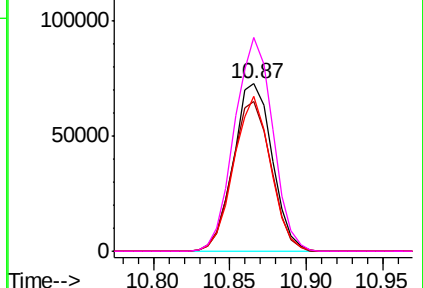
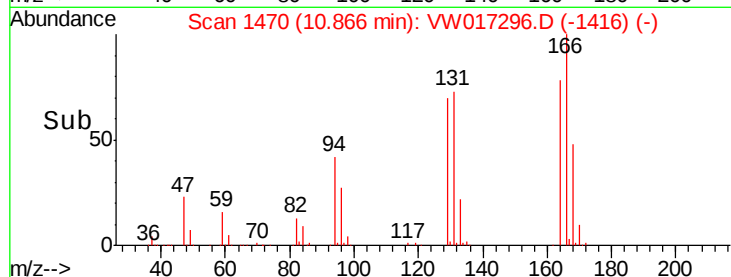


Abundance Ion 164.00 (163.70 to 164.70): V

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: 46.586 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW017296.D

Acq: 17 Nov 2020 19:05

Tgt Ion: 43 Resp: 77713

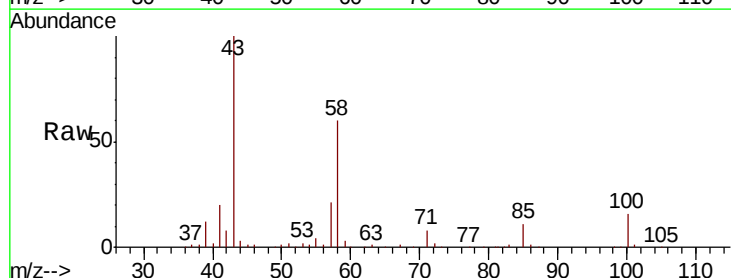
Ion Ratio Lower Upper

43 100

58 63.0 50.6 75.8

57 21.7 17.8 26.6

100 17.5 13.9 20.9

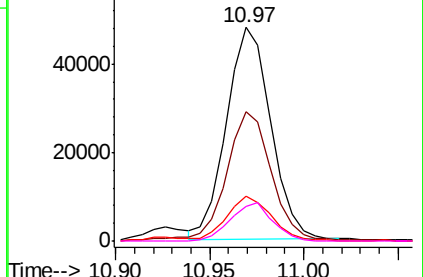
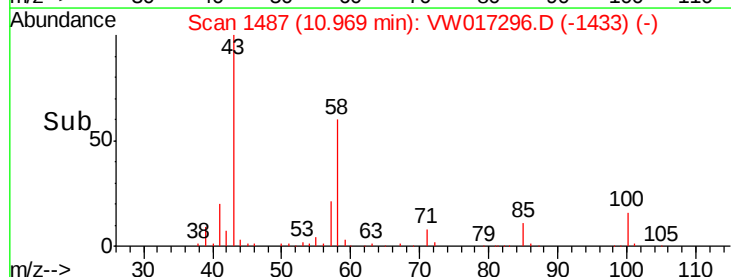


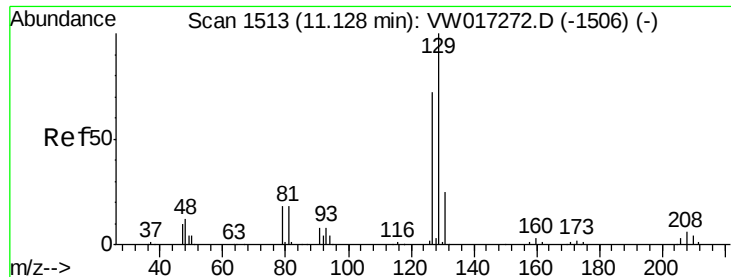
Abundance Ion 43.00 (42.70 to 43.70): VW

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: 27.000 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW017296.D

Acq: 17 Nov 2020 19:05

Instrument :

MSVOA_W

ClientSampleId :

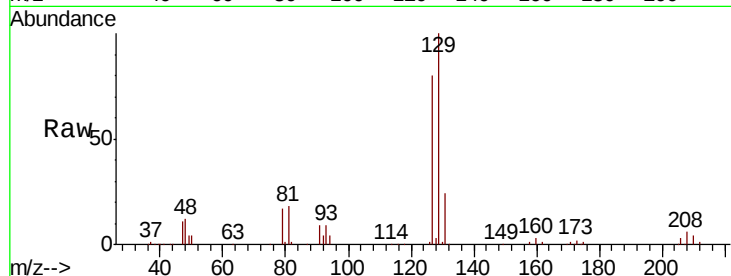
VSTD02510

Tot Ion:129 Resp: 127195

Ion Ratio Lower Upper

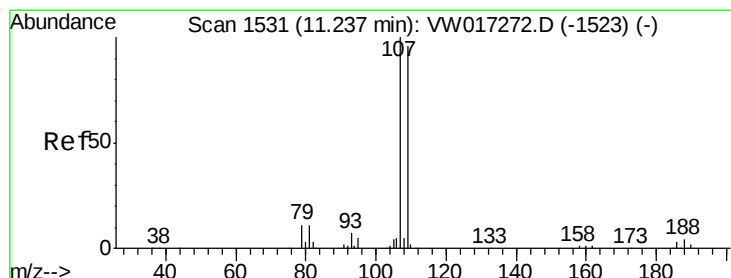
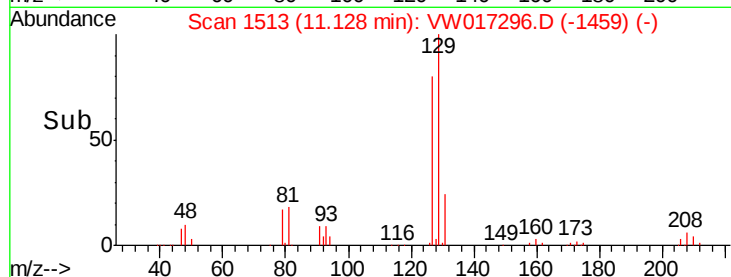
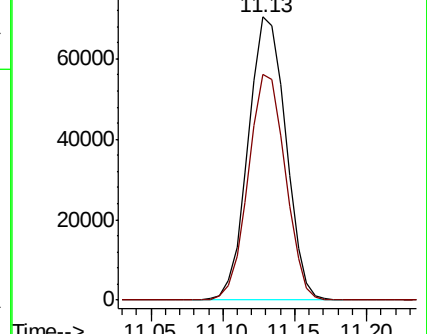
129 100

127 79.9 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: 25.305 ug/L

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW017296.D

Acq: 17 Nov 2020 19:05

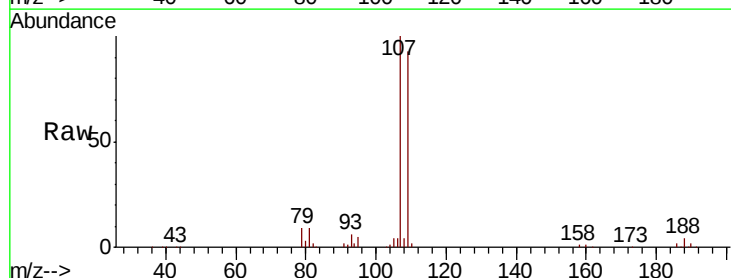
Tgt Ion:107 Resp: 95061

Ion Ratio Lower Upper

107 100

109 93.2 64.3 119.5

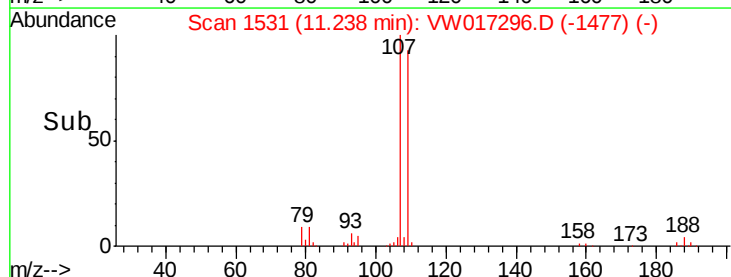
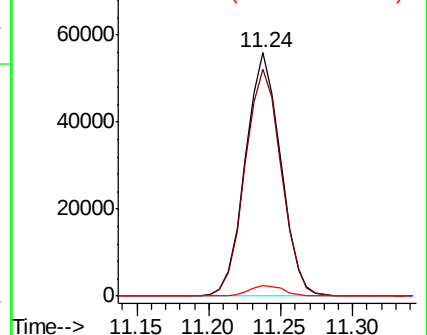
188 4.4 3.3 4.9

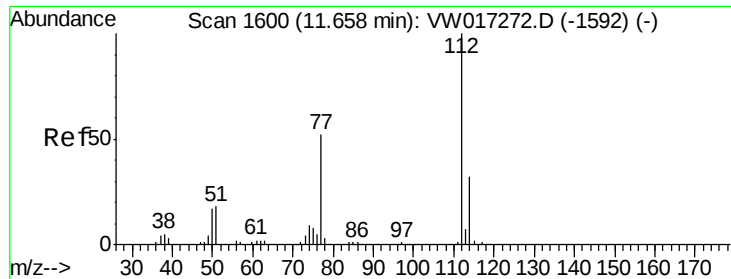


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V





#52

Chlorobenzene

Concen: 27.632 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW017296.D

Acq: 17 Nov 2020 19:05

Instrument :

MSVOA_W

ClientSampleId :

VSTD02510

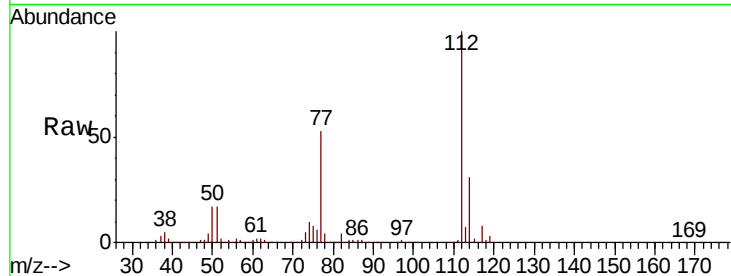
Tot Ion:112 Resp: 394678

Ion Ratio Lower Upper

112 100

77 53.3 41.7 62.5

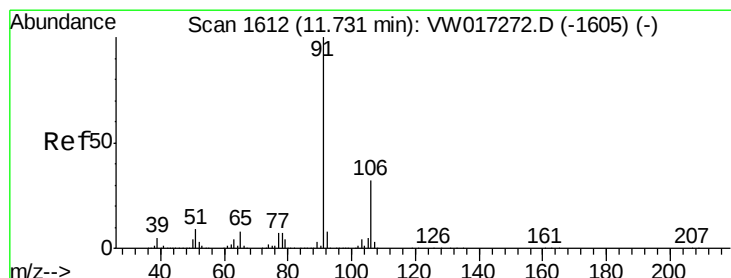
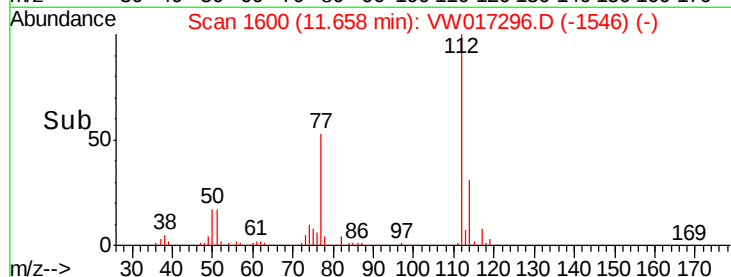
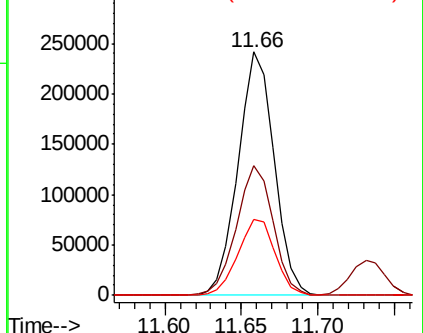
114 31.1 22.3 41.3



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VW

Ion 114.00 (113.70 to 114.70): V



#53

Ethylbenzene

Concen: 28.188 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW017296.D

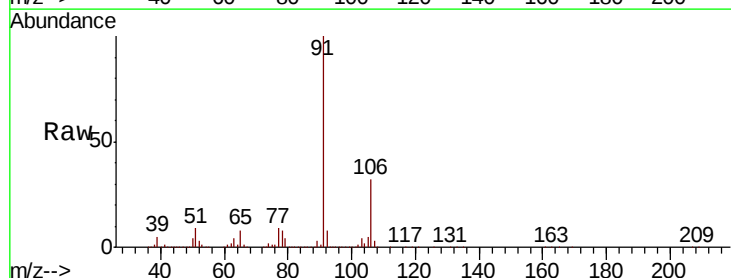
Acq: 17 Nov 2020 19:05

Tgt Ion: 91 Resp: 664915

Ion Ratio Lower Upper

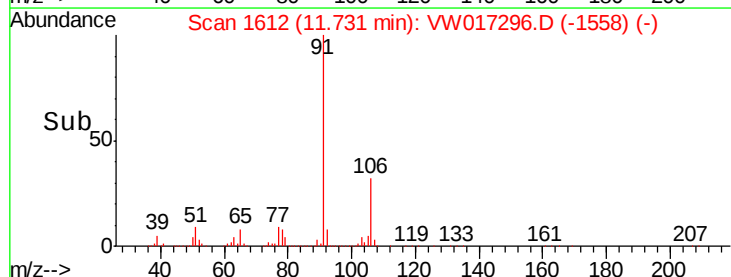
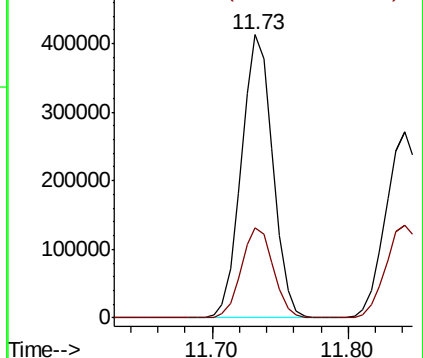
91 100

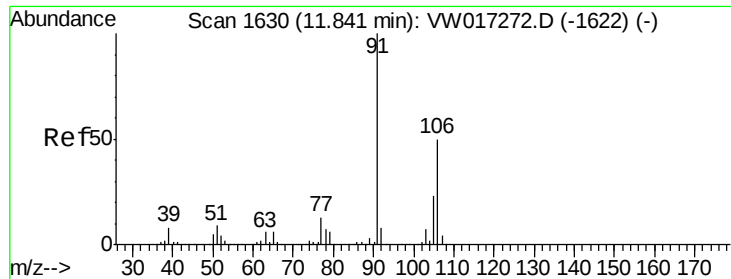
106 31.8 22.9 42.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V





#54

m,p-Xylene

Concen: 27.890 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW017296.D

Acq: 17 Nov 2020 19:05

Instrument :

MSVOA_W

ClientSampled :

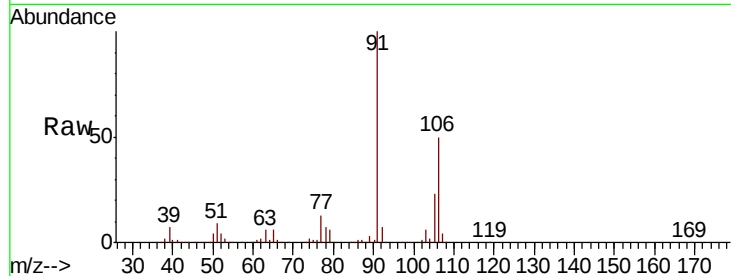
VSTD02510

Tot Ion:106 Resp: 257347

Ion Ratio Lower Upper

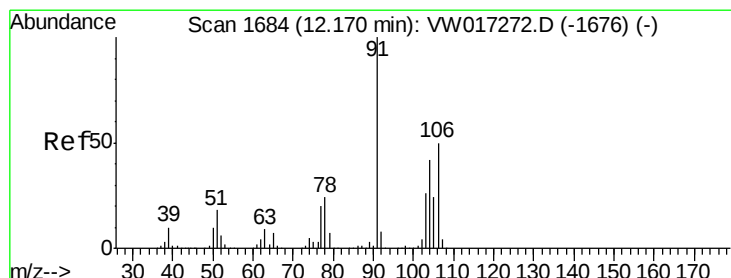
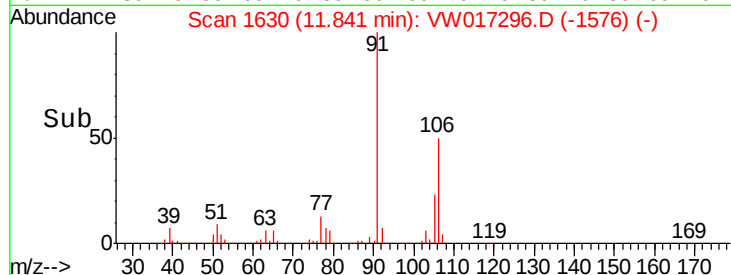
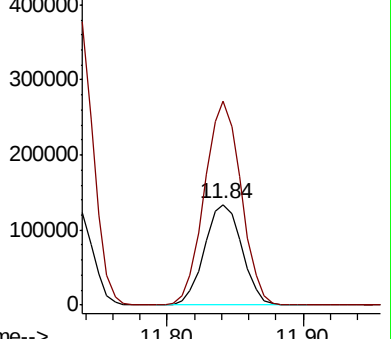
106 100

91 201.9 138.7 257.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 28.879 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VW017296.D

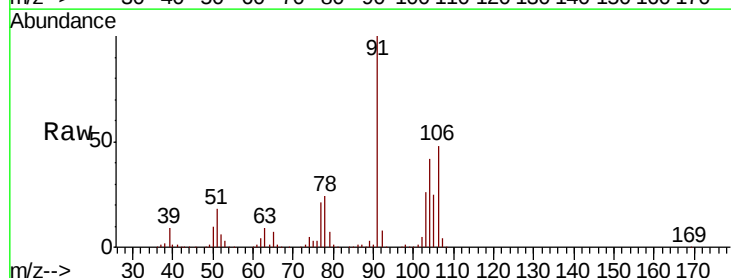
Acq: 17 Nov 2020 19:05

Tgt Ion:106 Resp: 252921

Ion Ratio Lower Upper

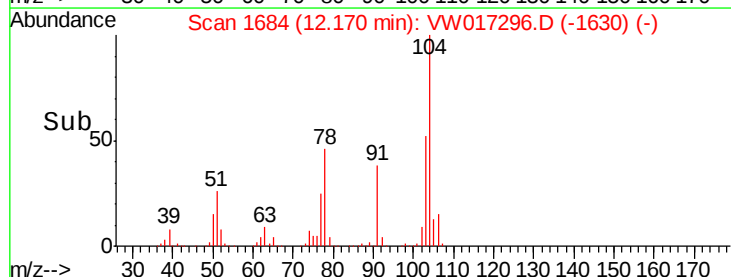
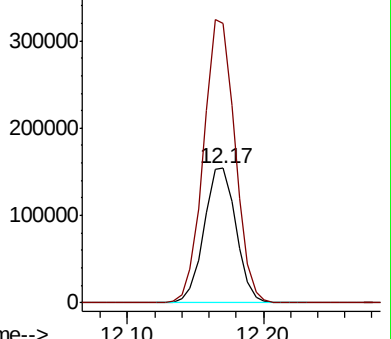
106 100

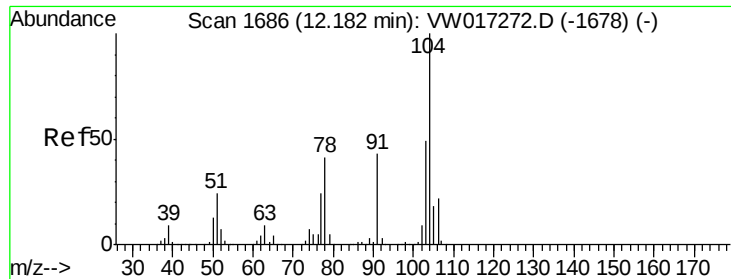
91 208.0 140.8 261.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#56

Stvrene

Concen: 29.412 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW017296.D

Acq: 17 Nov 2020 19:05

Instrument :

MSVOA_W

ClientSampleId :

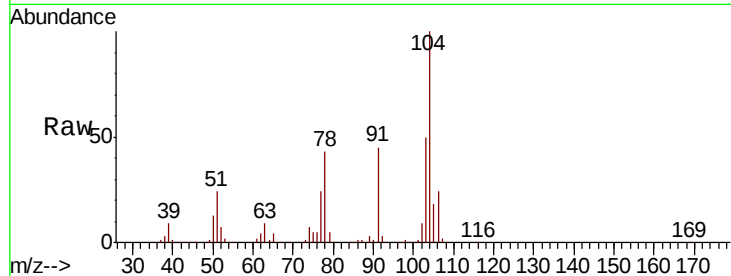
VSTD02510

Tot Ion:104 Resp: 432489

Ion Ratio Lower Upper

104 100

78 43.2 28.2 52.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

12.18

250000

200000

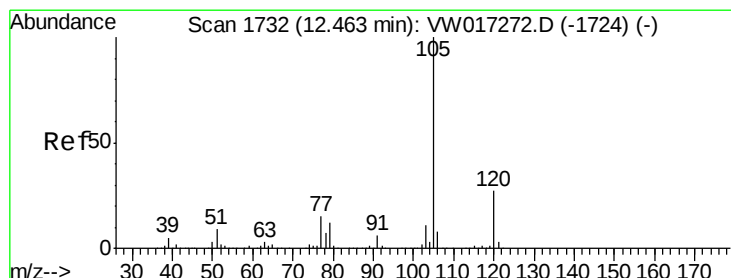
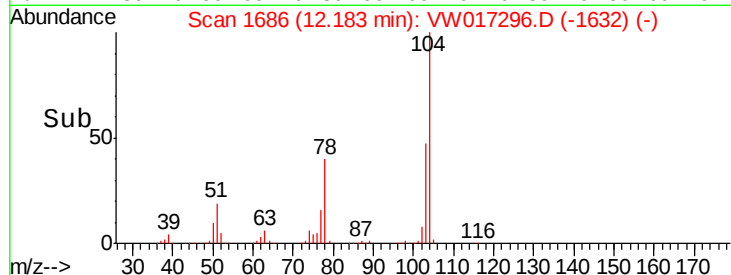
150000

100000

50000

0

Time-->



#57

Isopropylbenzene

Concen: 29.222 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW017296.D

Acq: 17 Nov 2020 19:05

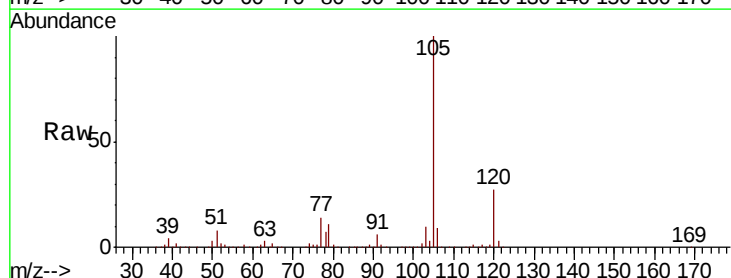
Tgt Ion:105 Resp: 694560

Ion Ratio Lower Upper

105 100

120 27.4 21.8 32.6

77 14.5 11.4 17.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V

12.46

600000

500000

400000

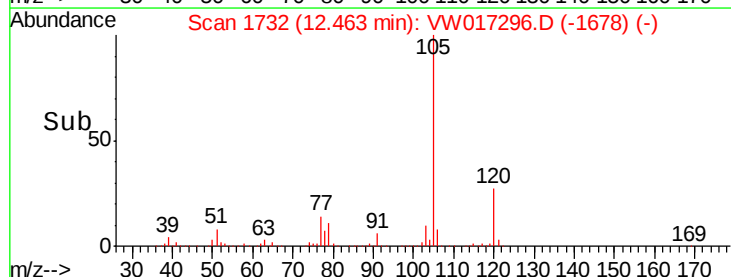
300000

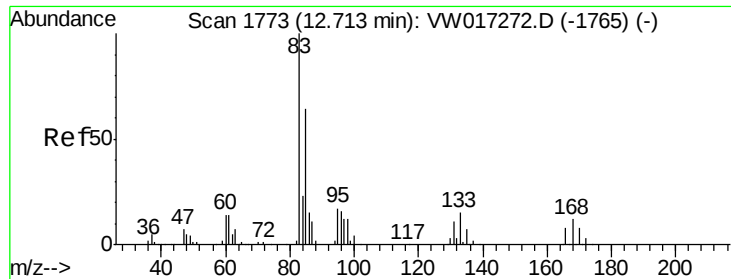
200000

100000

0

Time-->

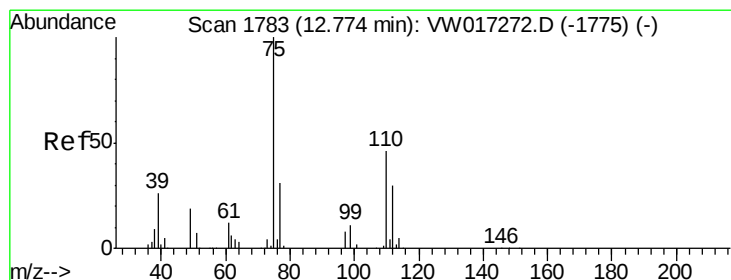
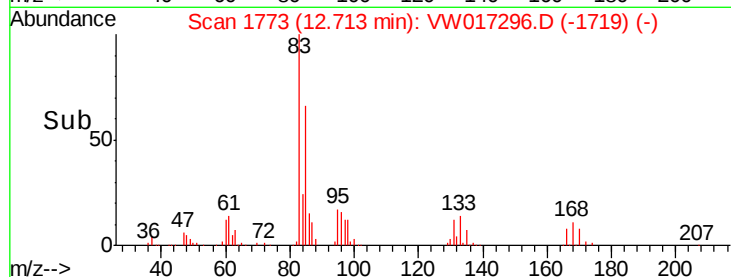
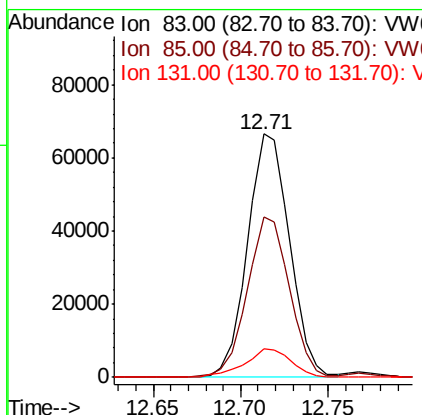
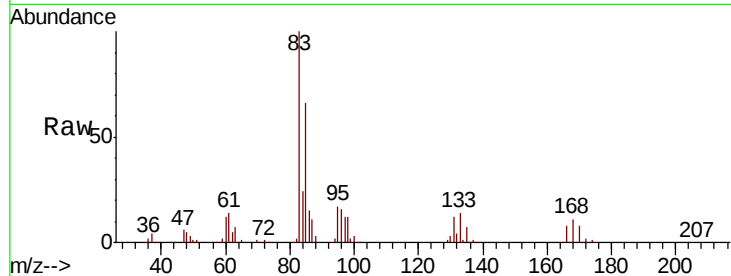




#58
 1,1,2,2-Tetrachloroethane
 Concen: 24.898 ug/L
 RT: 12.71 min Scan# 1773
 Delta R.T. 0.00 min
 Lab File: VW017296.D
 Acq: 17 Nov 2020 19:05

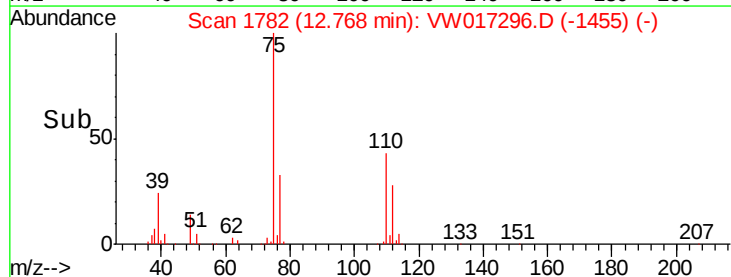
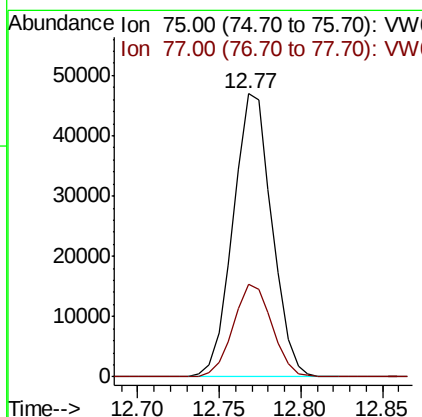
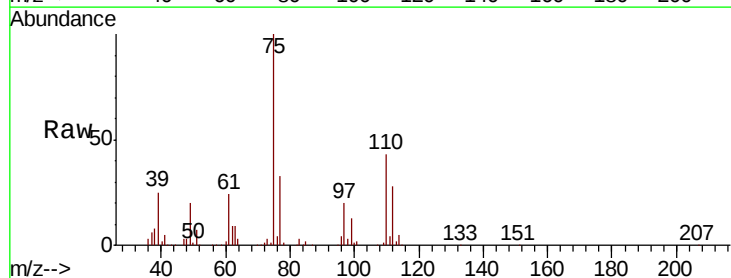
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

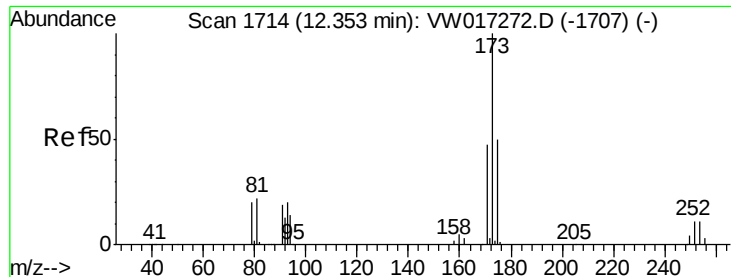
Tot Ion: 83 Resp: 111217
 Ion Ratio Lower Upper
 83 100
 85 66.1 44.9 83.5
 131 11.6 8.8 13.2



#59
 1,2,3-Trichloropropane
 Concen: 24.264 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.01 min
 Lab File: VW017296.D
 Acq: 17 Nov 2020 19:05

Tgt Ion: 75 Resp: 77907
 Ion Ratio Lower Upper
 75 100
 77 32.9 26.4 39.6





#62

Bromoform

Concen: 24.269 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW017296.D

Acq: 17 Nov 2020 19:05

Instrument :

MSVOA_W

ClientSampleId :

VSTD02510

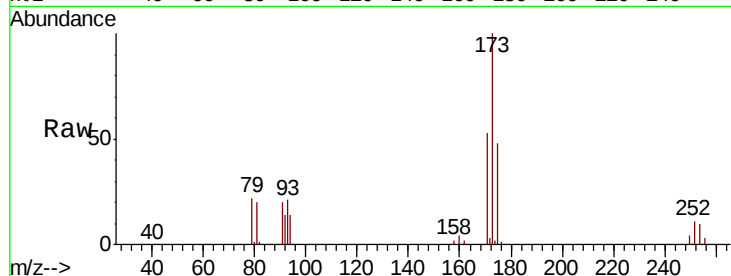
Tot Ion:173 Resp: 72306

Ion Ratio Lower Upper

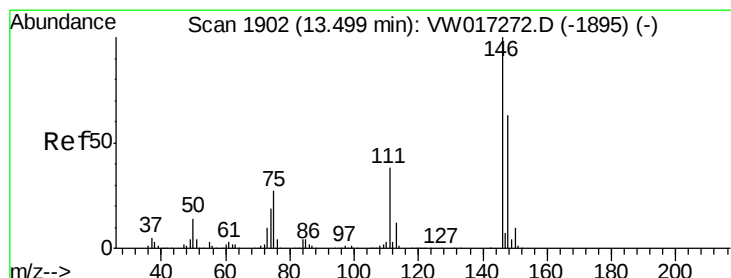
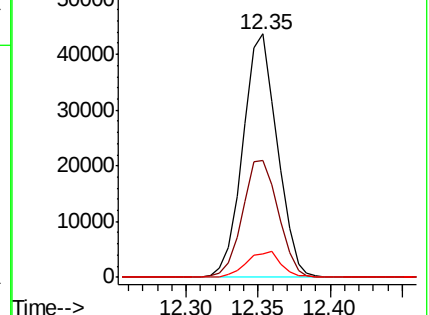
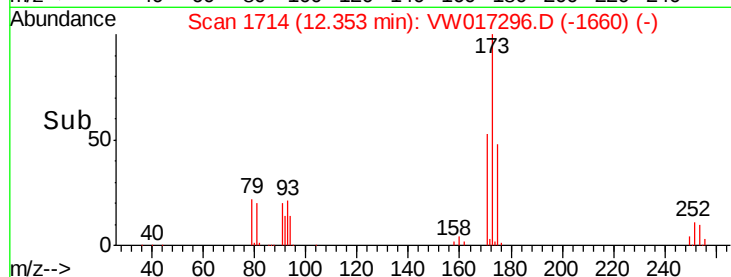
173 100

175 50.2 38.3 57.5

254 10.6 8.1 12.1



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#63

1,3-Dichlorobenzene

Concen: 27.357 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW017296.D

Acq: 17 Nov 2020 19:05

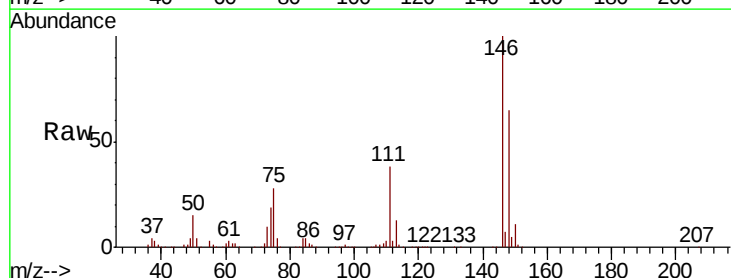
Tgt Ion:146 Resp: 330295

Ion Ratio Lower Upper

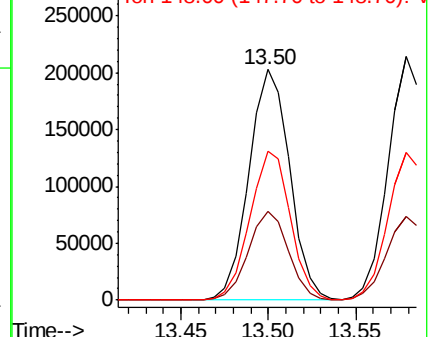
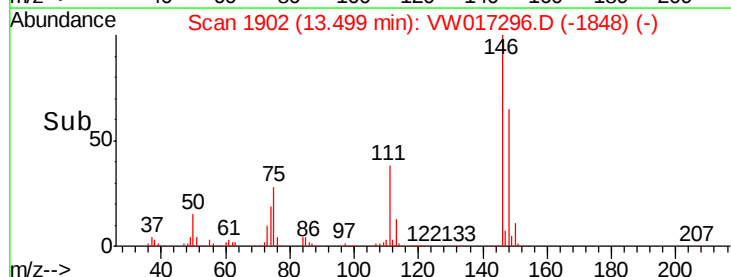
146 100

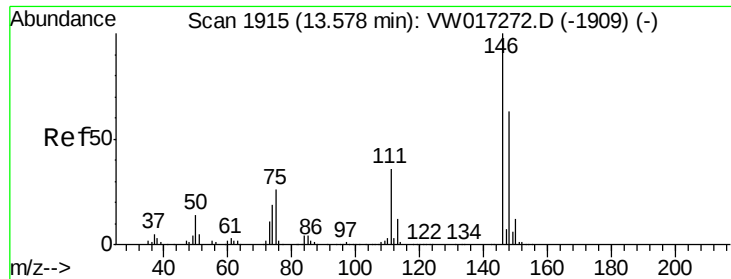
111 38.2 26.4 49.0

148 64.6 42.1 78.1



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V

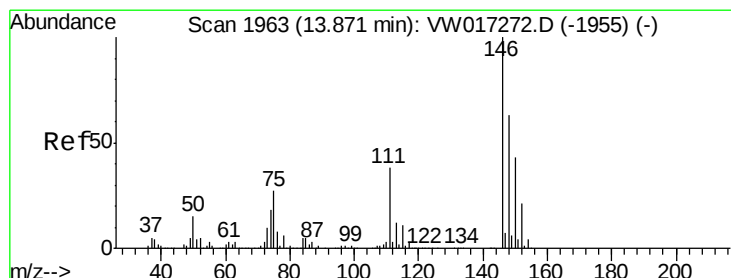
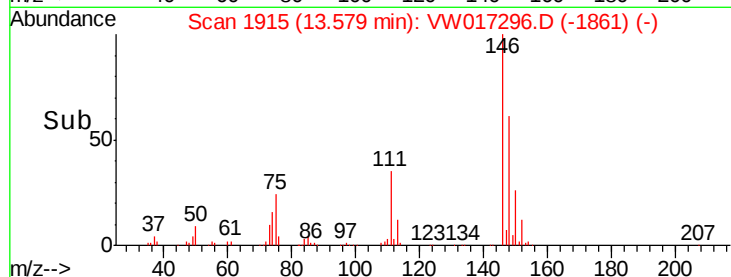
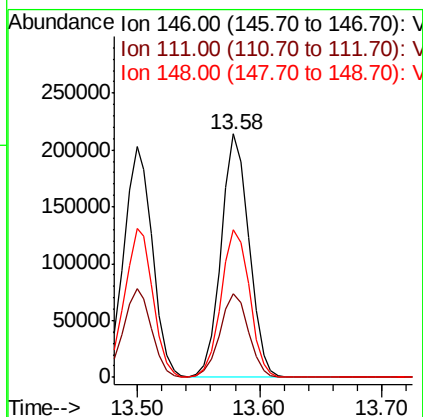
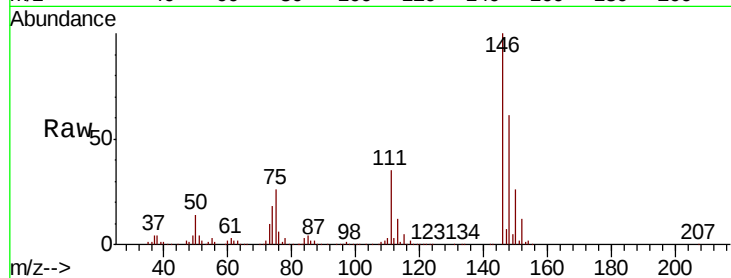




#64
 1,4-Dichlorobenzene
 Concen: 27.766 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW017296.D
 Acq: 17 Nov 2020 19:05

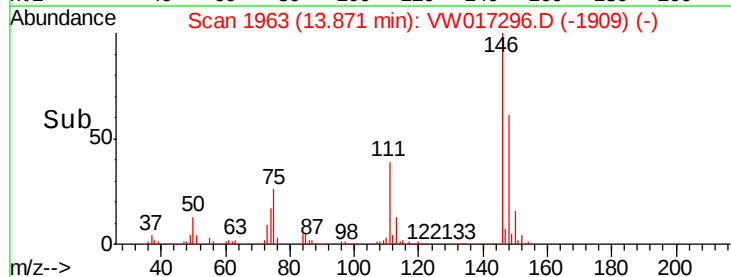
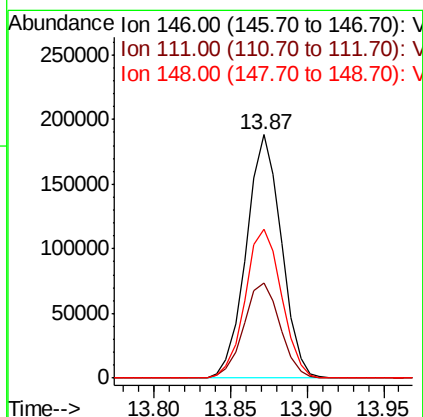
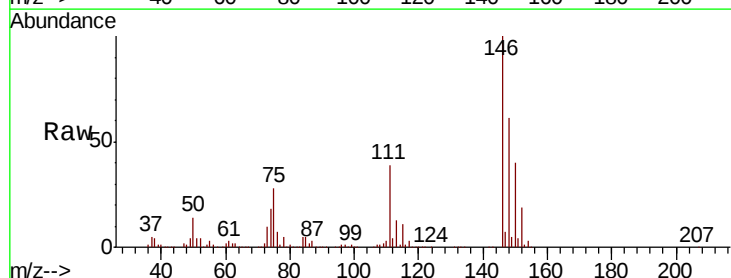
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

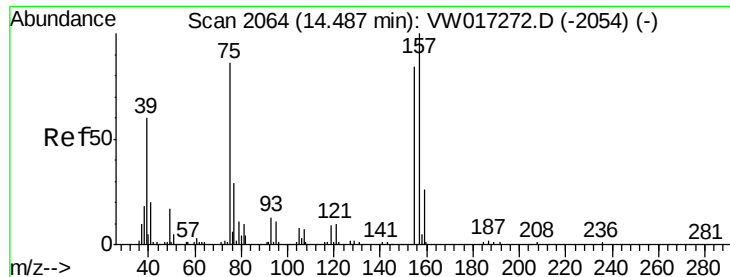
Tot Ion	Ratio	Lower	Upper
146	100		
111	34.6	24.5	45.5
148	60.8	45.5	84.5



#65
 1,2-Dichlorobenzene
 Concen: 27.617 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW017296.D
 Acq: 17 Nov 2020 19:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	30.5	45.7
148	61.4	50.3	75.5





#66

1,2-Dibromo-3-chloropropane

Concen: 23.260 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW017296.D

Acq: 17 Nov 2020 19:05

Instrument :

MSVOA_W

ClientSampleId :

VSTD02510

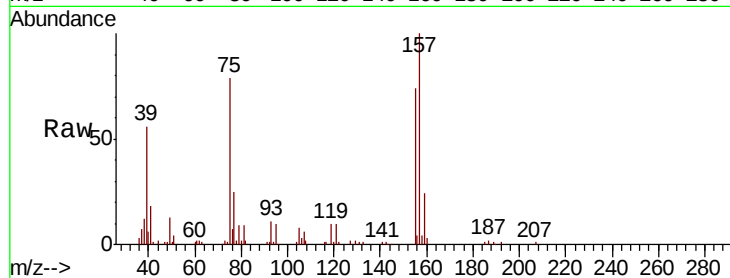
Tot Ion: 75 Resp: 16744

Ion Ratio Lower Upper

75 100

157 127.1 108.2 162.4

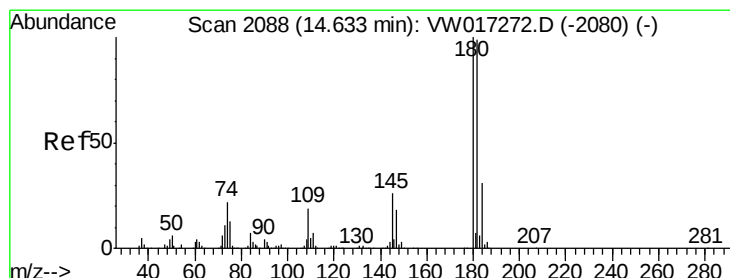
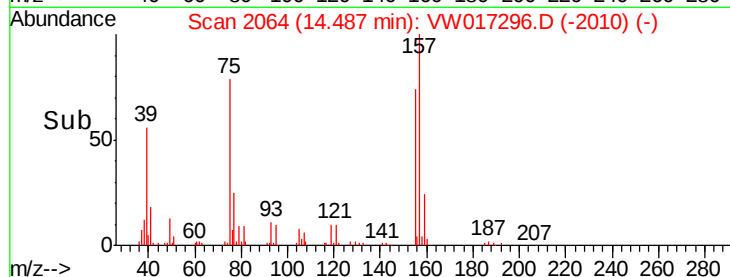
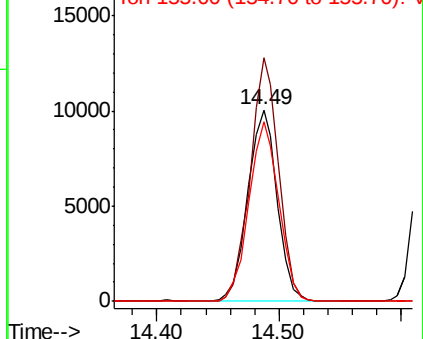
155 94.0 79.1 118.7



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V



#67

1,3,5-Trichlorobenzene

Concen: 28.202 ug/L

RT: 14.63 min Scan# 2087

Delta R.T. -0.01 min

Lab File: VW017296.D

Acq: 17 Nov 2020 19:05

Tgt Ion:180 Resp: 250910

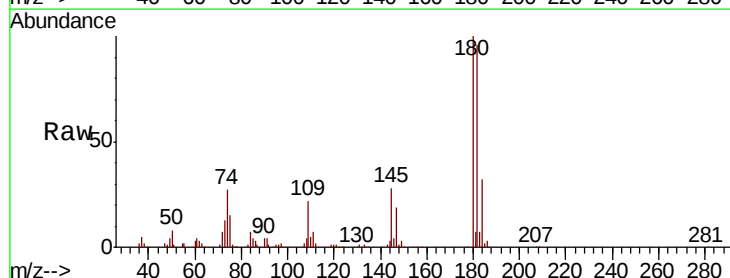
Ion Ratio Lower Upper

180 100

182 98.0 77.2 115.8

184 31.3 24.2 36.4

145 28.7 23.5 35.3

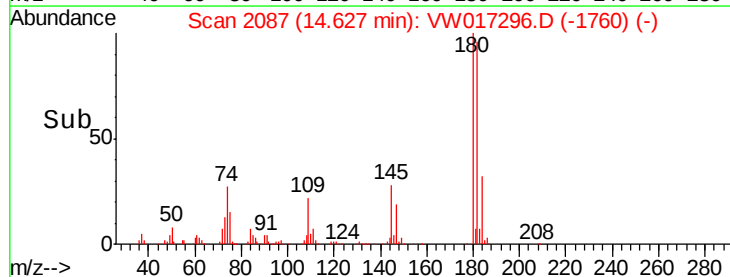
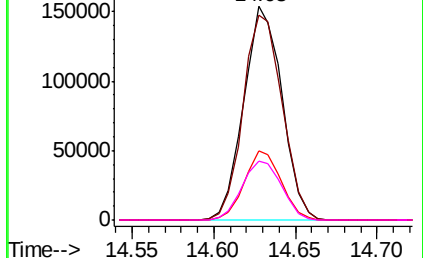


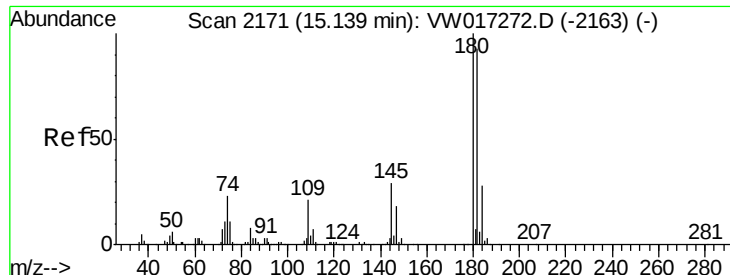
Abundance Ion 180.00 (179.70 to 180.70): V

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

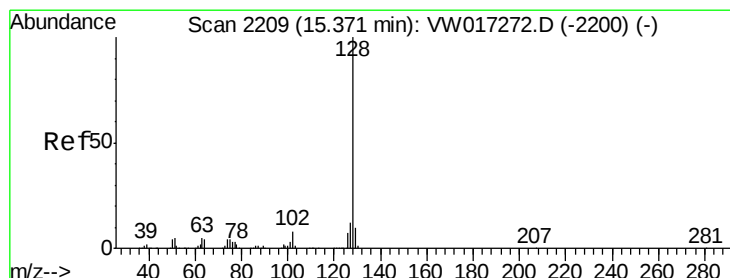
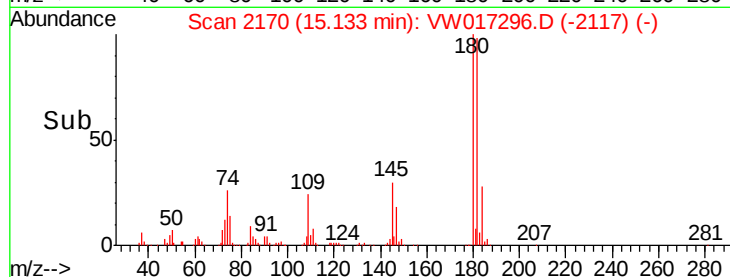
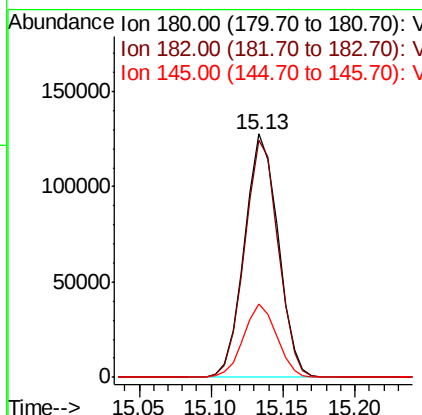
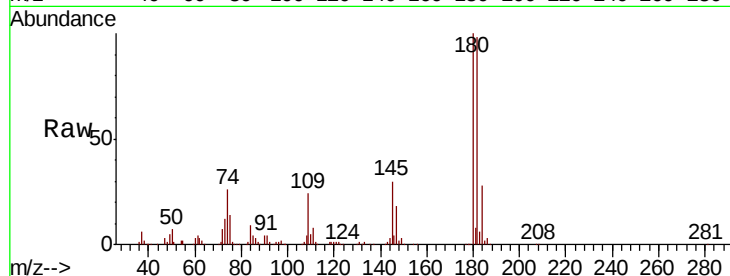




#68
 1,2,4-trichlorobenzene
 Concen: 29.111 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW017296.D
 Acq: 17 Nov 2020 19:05

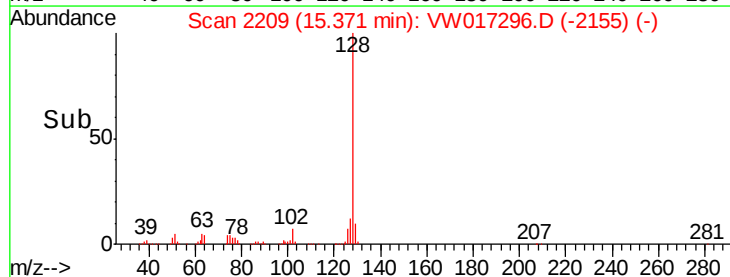
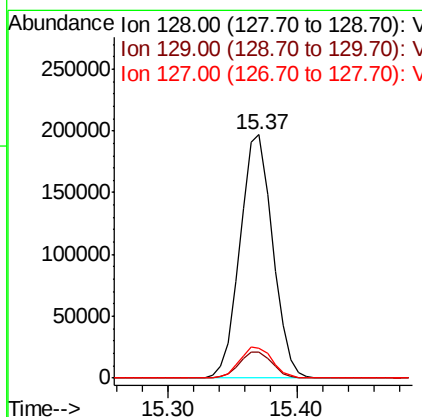
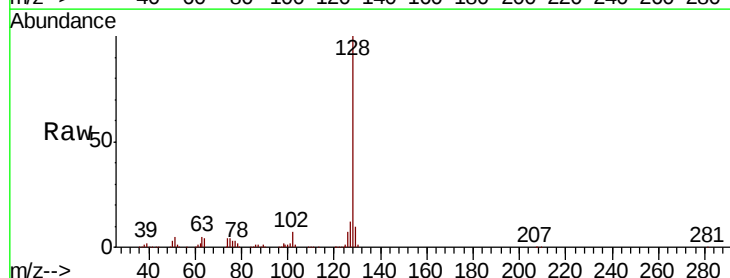
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

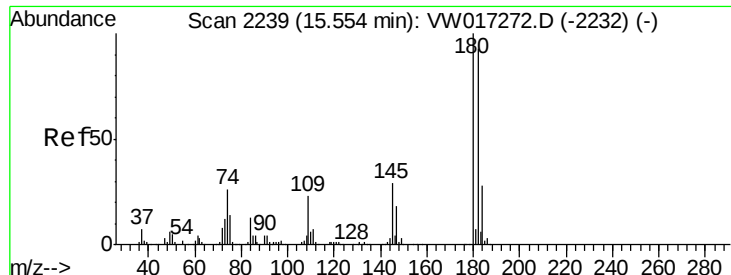
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.3	76.7	115.1
145	29.6	23.6	35.4



#69
 Naphthalene
 Concen: 26.425 ug/L
 RT: 15.37 min Scan# 2209
 Delta R.T. 0.00 min
 Lab File: VW017296.D
 Acq: 17 Nov 2020 19:05

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.6	12.8
127	13.0	10.2	15.2

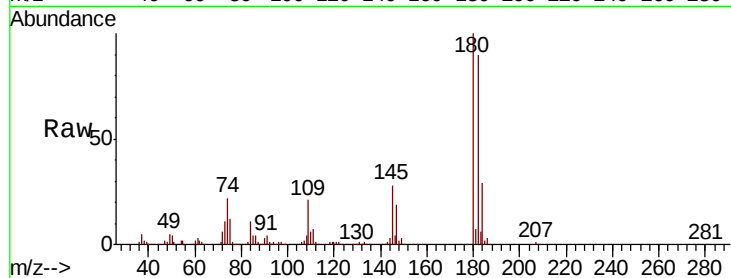




#70
 1,2,3-Trichlorobenzene
 Concen: 28.338 ug/L
 RT: 15.56 min Scan# 2240
 Delta R.T. 0.01 min
 Lab File: VW017296.D
 Acq: 17 Nov 2020 19:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02510

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	75.5	113.3
145	30.9	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

