

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122420\
 Data File : VW017732.D
 Acq On : 24 Dec 2020 13:03
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 25 07:23:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122420S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 24 12:31:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	382035	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	342845	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	185951	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	130196	22.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.12%
7) Chloroethane-d5	2.89	69	113458	23.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.04%
10) 1,1-Dichloroethene-d2	4.03	63	243756	23.67	ug/L	0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.68%
20) 2-Butanone-d5	7.08	46	53490	55.83	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.66%
24) Chloroform-d	7.65	84	246786	24.72	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.88%
26) 1,2-Dichloroethane-d4	8.30	65	132969	25.73	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.92%
29) Benzene-d6	8.27	84	468174	24.24	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.96%
33) 1,2-Dichloropropane-d6	9.27	67	132752	24.94	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.76%
37) Toluene-d8	10.32	98	447943	24.15	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.60%
38) trans-1,3-Dichloropropene-	10.58	79	64370	27.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	108.52%
39) 2-Hexanone-d5	10.93	63	39849	59.61	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	119.22%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	113062	28.61	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	114.44%
61) 1,2-Dichlorobenzene-d4	13.85	152	157605	24.34	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.36%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	94032	22.293	ug/L	98
3) Chloromethane	2.21	50	84820	22.624	ug/L	97
5) Vinyl chloride	2.37	62	154800	24.406	ug/L	98
6) Bromomethane	2.78	94	121542	25.842	ug/L	97
8) Chloroethane	2.93	64	101200	25.449	ug/L	99
9) Trichlorofluoromethane	3.26	101	113267	21.766	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	124180	25.568	ug/L	99
12) 1,1-Dichloroethene	4.04	96	121615	25.830	ug/L	95
13) Acetone	4.12	43	45680	55.216	ug/L	98
14) Carbon disulfide	4.39	76	370188	26.331	ug/L	98
15) Methyl Acetate	4.67	43	49051	30.591	ug/L	99
16) Methylene chloride	4.92	84	129283	23.664	ug/L	96
17) Methyl tert-butyl Ether	5.43	73	165657	27.762	ug/L	99
18) trans-1,2-Dichloroethene	5.43	96	132255	26.042	ug/L	95
19) 1,1-Dichloroethane	6.21	63	230851	26.607	ug/L	99
21) 2-Butanone	7.18	43	64602	58.054	ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	141882	26.587	ug/L	99

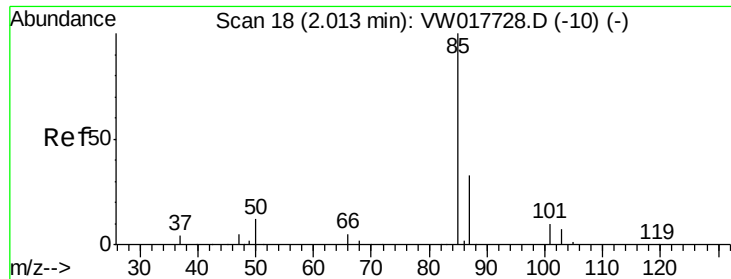
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122420\
 Data File : VW017732.D
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122420S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 24 12:31:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	63114	27.919	ug/L	93
25) Chloroform	7.68	83	238781	26.155	ug/L	99
27) 1,2-Dichloroethane	8.40	62	163835	27.743	ug/L #	95
30) Cyclohexane	7.96	56	213237	26.130	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	206616	26.199	ug/L	100
32) Carbon tetrachloride	8.07	117	196543	26.416	ug/L	99
34) Benzene	8.32	78	514562	26.249	ug/L	100
35) Trichloroethene	9.09	95	142918	26.339	ug/L	98
36) Methylcyclohexane	9.34	83	249822	26.338	ug/L	100
40) 1,2-Dichloropropane	9.37	63	125679	27.158	ug/L	100
41) Bromodichloromethane	9.65	83	177101	27.958	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	206382	27.947	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	141033	62.729	ug/L	100
44) Toluene	10.39	91	585658	26.200	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	182330	28.994	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	97839	28.443	ug/L	96
47) Tetrachloroethene	10.86	164	109304	25.766	ug/L	97
49) 2-Hexanone	10.97	43	102517	64.268	ug/L	99
50) Dibromochloromethane	11.13	129	119155	29.178	ug/L	95
51) 1,2-Dibromoethane	11.24	107	96793	29.723	ug/L	99
52) Chlorobenzene	11.66	112	368600	26.415	ug/L	98
53) Ethylbenzene	11.73	91	674763	26.605	ug/L	99
54) m,p-Xylene	11.84	106	261507	26.358	ug/L	96
55) o-xylene	12.16	106	250423	26.839	ug/L	95
56) Styrene	12.18	104	425909	27.442	ug/L	98
57) Isopropylbenzene	12.46	105	693668	26.853	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	116841	30.433	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	85088	30.149	ug/L	98
62) Bromoform	12.35	173	66353	29.163	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	296022	25.792	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	292266	25.340	ug/L	98
65) 1,2-Dichlorobenzene	13.86	146	267971	26.572	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	19275	29.019	ug/L	88
67) 1,3,5-Trichlorobenzene	14.63	180	198810	25.267	ug/L	97
68) 1,2,4-trichlorobenzene	15.13	180	167302	25.833	ug/L	96
69) Naphthalene	15.36	128	349603	28.346	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	151472	27.697	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 22.293 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW017732.D

Acq: 24 Dec 2020 13:03

Instrument :

MSVOA_W

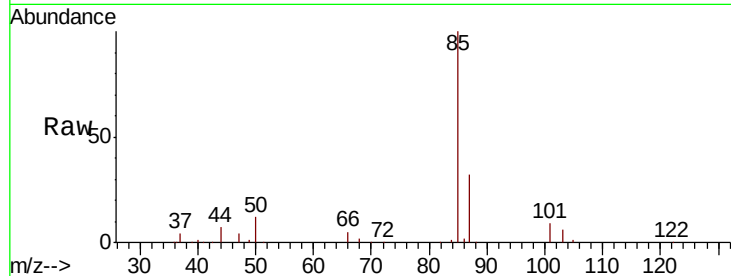
ClientSampleId :

Tot Ion: 85 Resp: 94032

Ion Ratio Lower Upper

85 100

87 32.3 22.0 41.0



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW

2.01

40000

30000

20000

10000

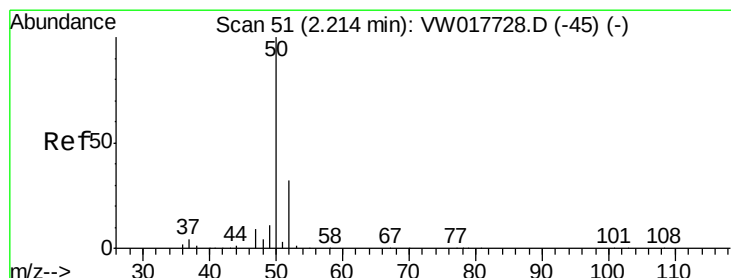
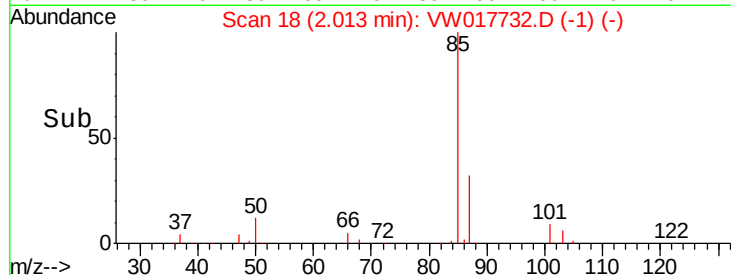
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Time-->

1.90

2.00

2.10



#3

Chloromethane

Concen: 22.624 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW017732.D

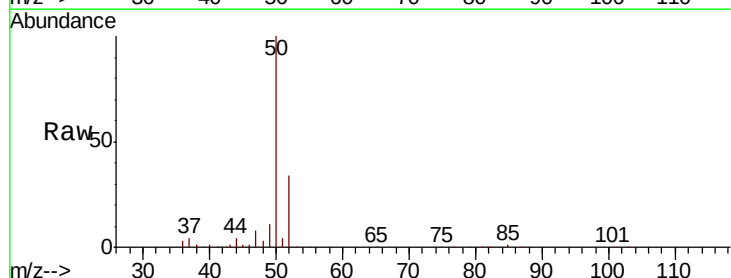
Acq: 24 Dec 2020 13:03

Tgt Ion: 50 Resp: 84820

Ion Ratio Lower Upper

50 100

52 33.6 22.5 41.9



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW

2.21

50000

40000

30000

20000

10000

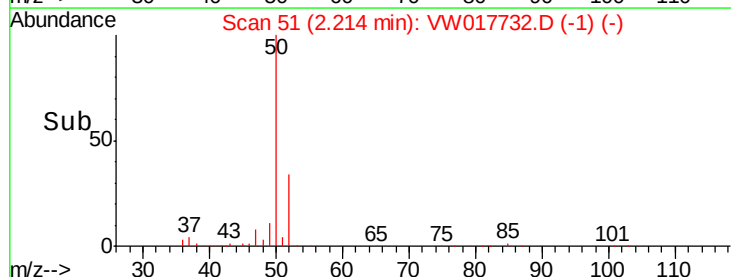
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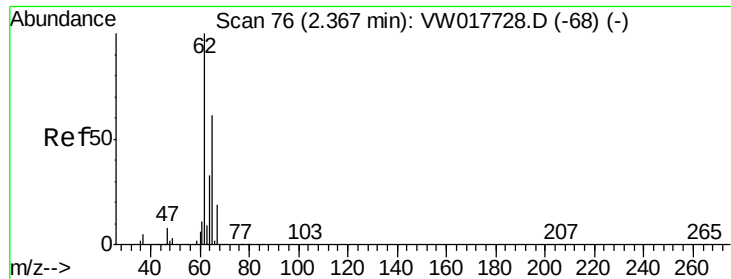
Time-->

2.15

2.20

2.25





#5

Vinyl chloride

Concen: 24.406 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW017732.D

Acq: 24 Dec 2020 13:03

Instrument :

MSVOA_W

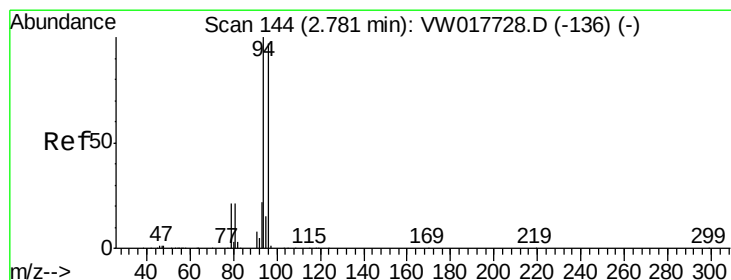
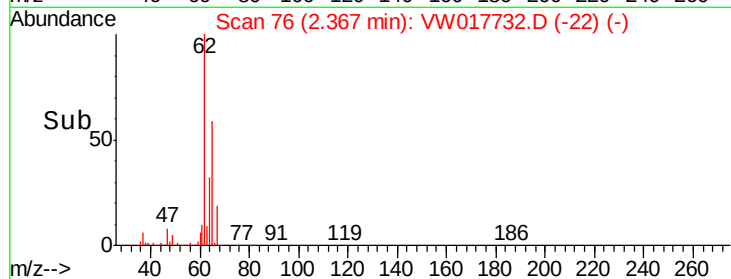
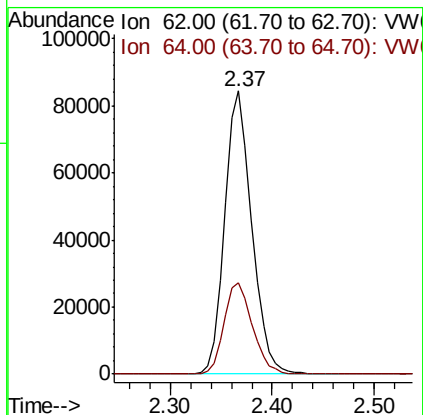
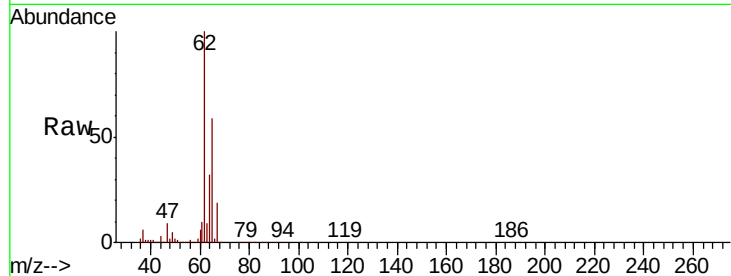
ClientSampleId :

Tot Ion: 62 Resp: 154800

Ion Ratio Lower Upper

62 100

64 32.2 23.3 43.3



#6

Bromomethane

Concen: 25.842 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW017732.D

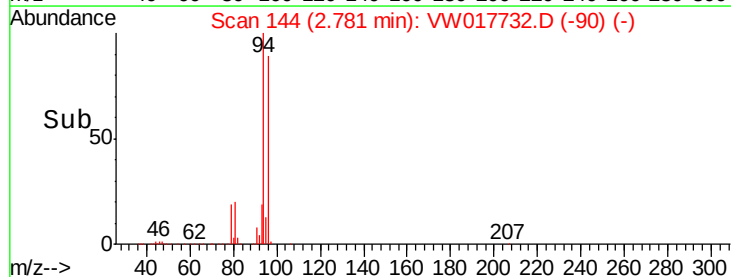
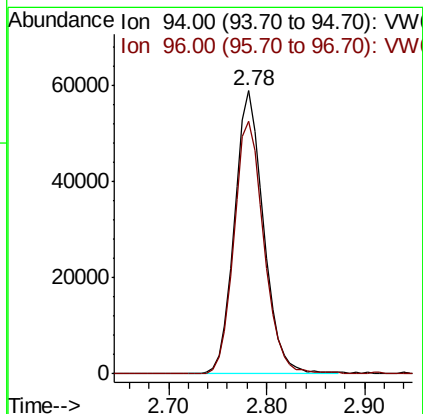
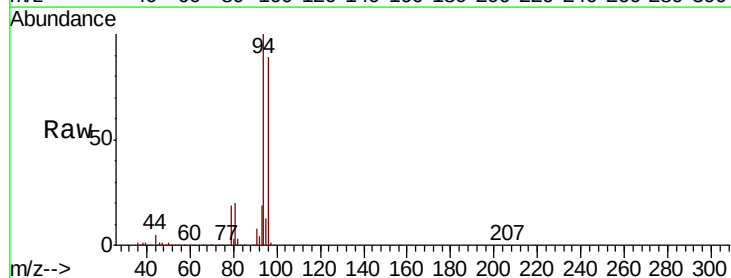
Acq: 24 Dec 2020 13:03

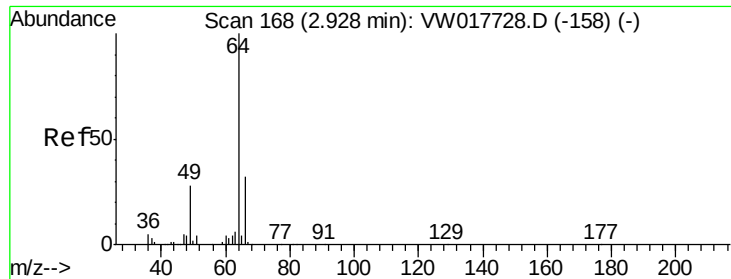
Tgt Ion: 94 Resp: 121542

Ion Ratio Lower Upper

94 100

96 91.0 9.4 178.6





#8

Chloroethane

Concen: 25.449 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW017732.D

Acq: 24 Dec 2020 13:03

Instrument :

MSVOA_W

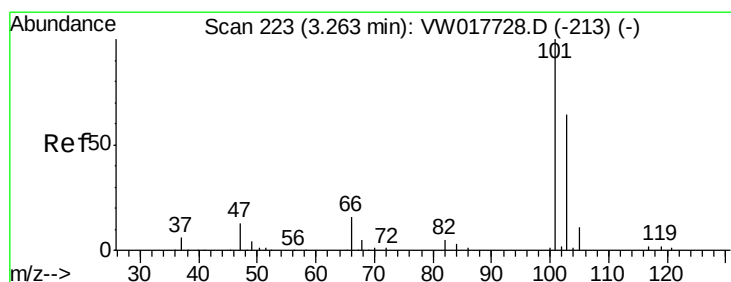
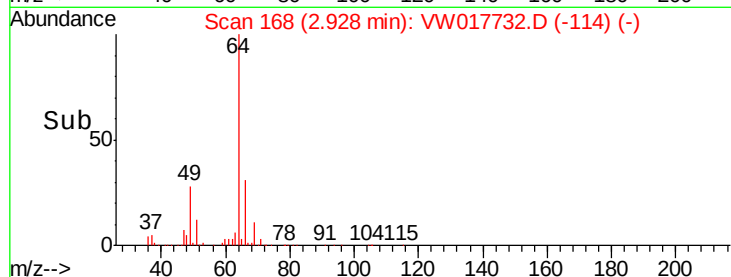
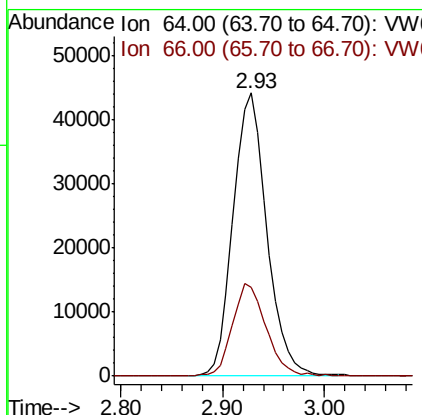
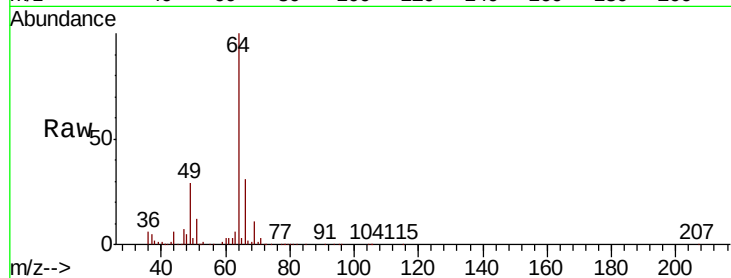
ClientSampleId :

Tot Ion: 64 Resp: 101200

Ion Ratio Lower Upper

64 100

66 31.4 22.3 41.5



#9

Trichlorofluoromethane

Concen: 21.766 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.00 min

Lab File: VW017732.D

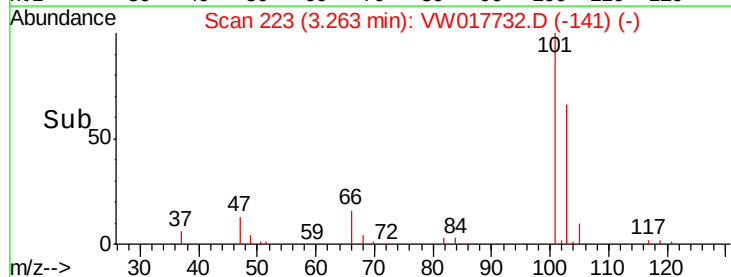
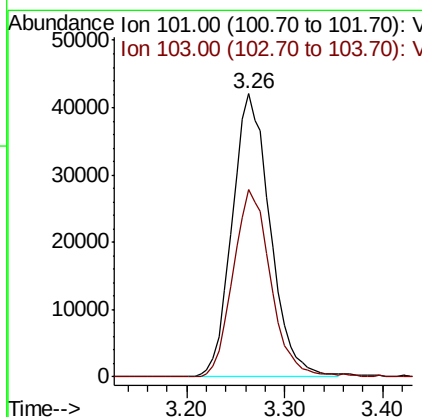
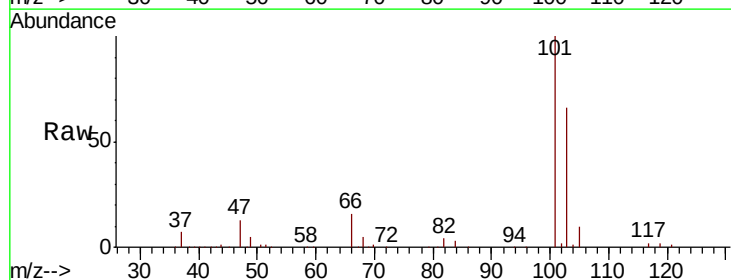
Acq: 24 Dec 2020 13:03

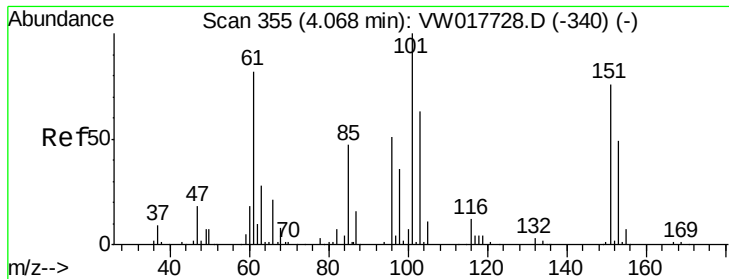
Tgt Ion: 101 Resp: 113267

Ion Ratio Lower Upper

101 100

103 64.9 46.0 85.4





#11

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

Concen: 25.568 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW017732.D

Acq: 24 Dec 2020 13:03

Instrument :

MSVOA_W

ClientSampleId :

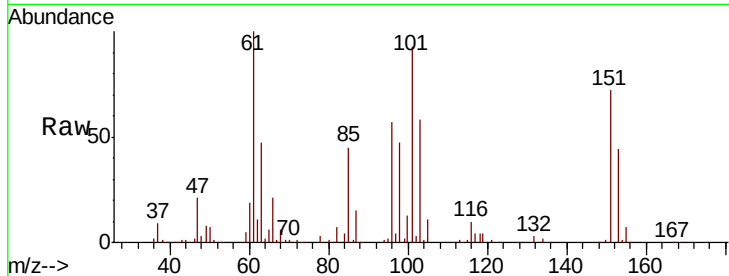
Tot Ion:101 Resp: 124180

Ion Ratio Lower Upper

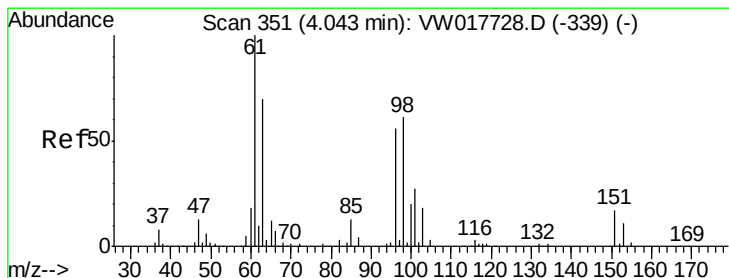
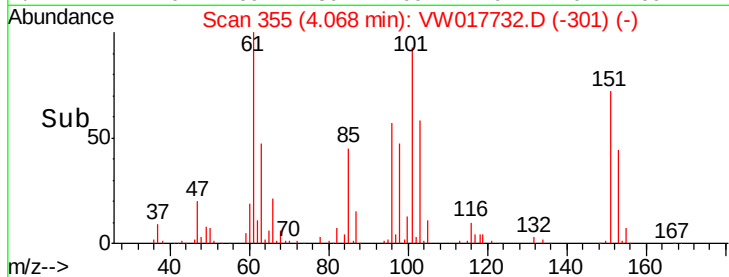
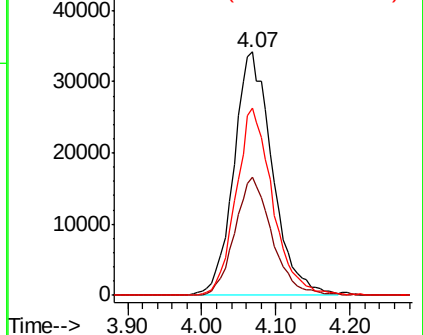
101 100

85 46.8 36.7 55.1

151 73.1 57.7 86.5



Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): VW
Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 25.830 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.00 min

Lab File: VW017732.D

Acq: 24 Dec 2020 13:03

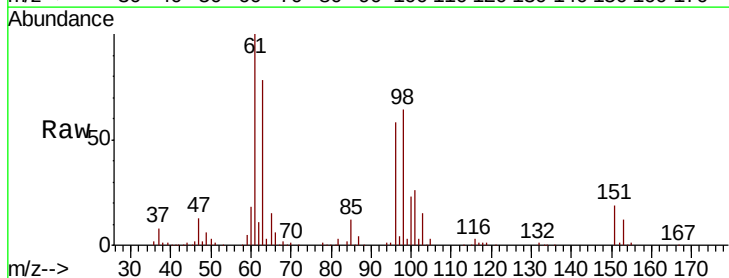
Tgt Ion: 96 Resp: 121615

Ion Ratio Lower Upper

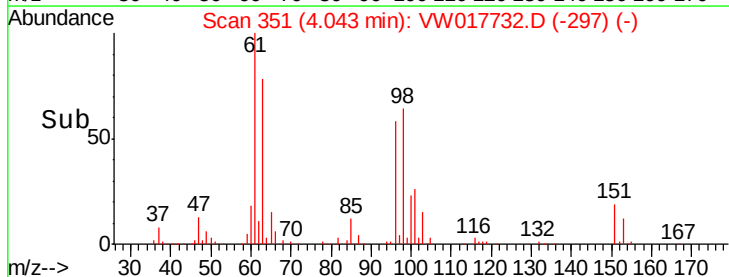
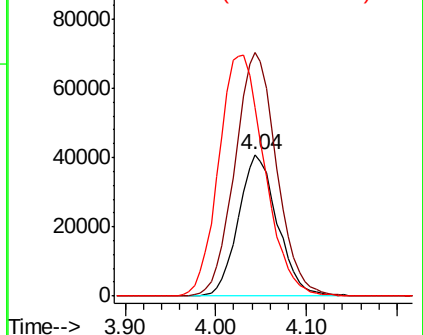
96 100

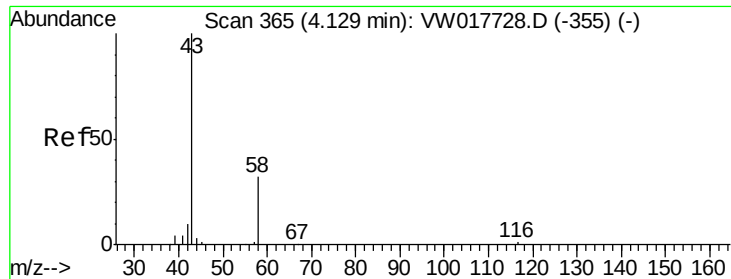
61 172.3 126.1 234.1

63 133.7 90.0 167.2



Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 55.216 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW017732.D

Acq: 24 Dec 2020 13:03

Instrument :

MSVOA_W

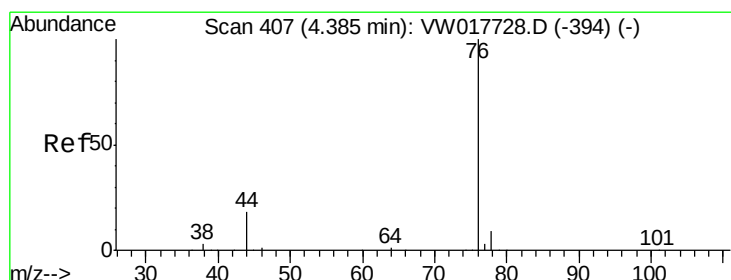
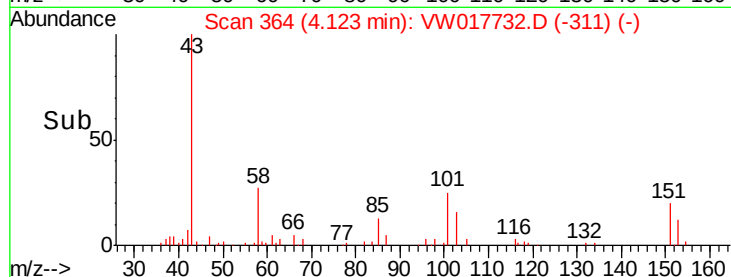
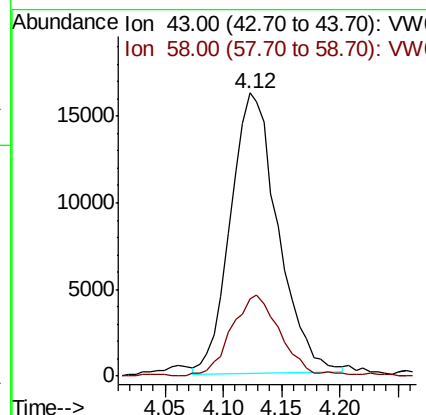
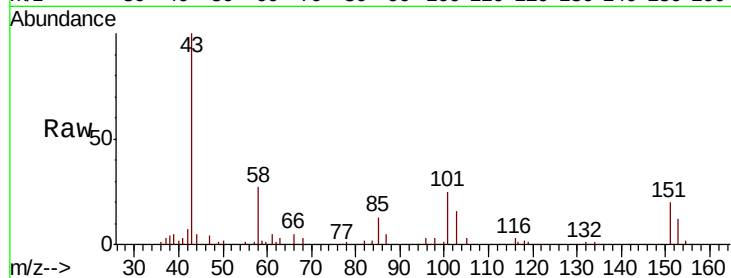
ClientSampleId :

Tot Ion: 43 Resp: 45680

Ion Ratio Lower Upper

43 100

58 29.5 0.0 60.8



#14

Carbon disulfide

Concen: 26.331 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.01 min

Lab File: VW017732.D

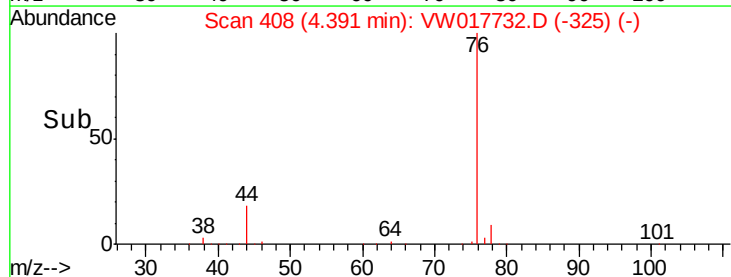
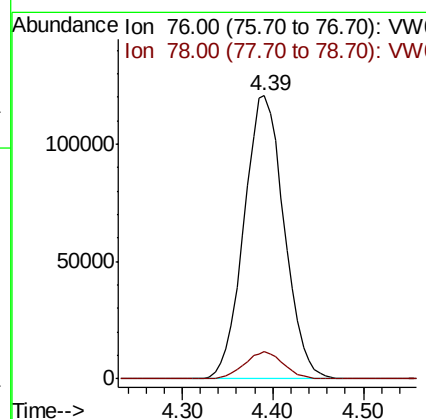
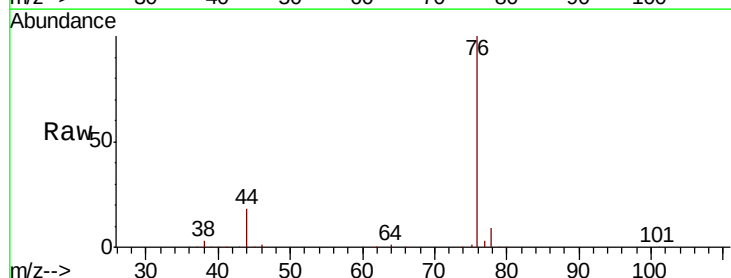
Acq: 24 Dec 2020 13:03

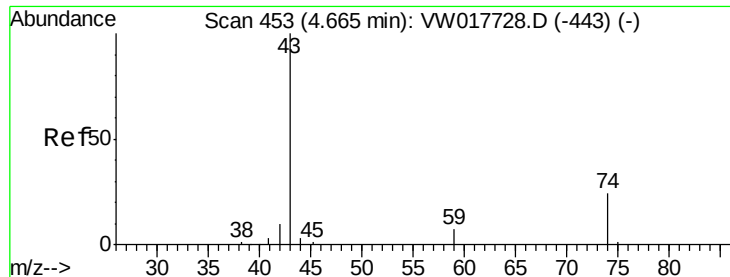
Tgt Ion: 76 Resp: 370188

Ion Ratio Lower Upper

76 100

78 9.5 7.1 10.7

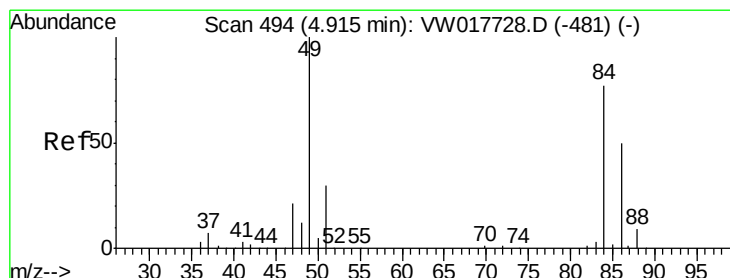
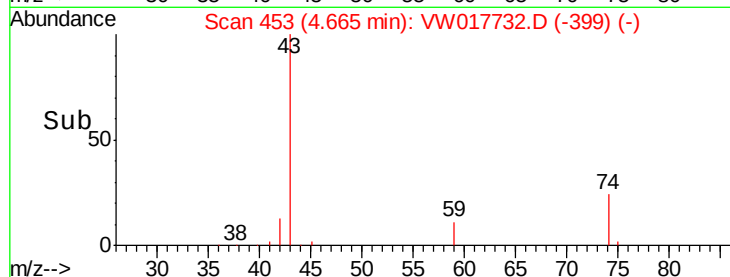
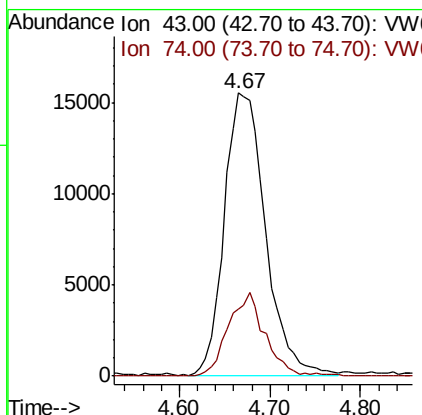
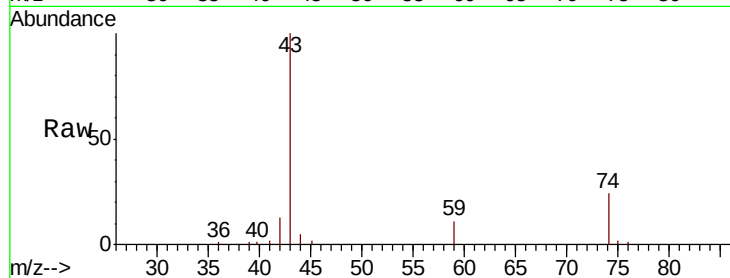




#15
Methvl Acetate
Concen: 30.591 ug/L
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW017732.D
Acq: 24 Dec 2020 13:03

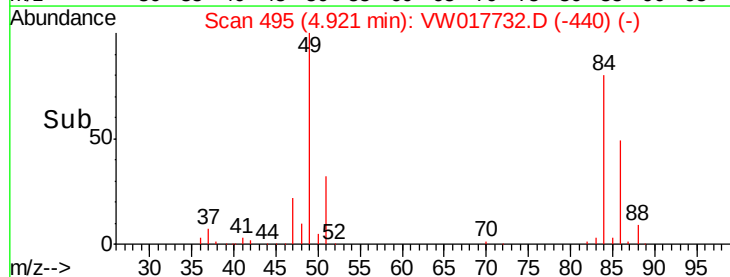
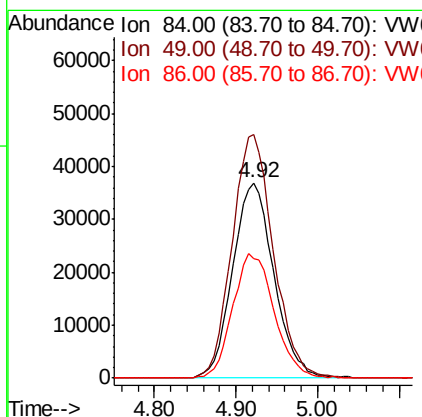
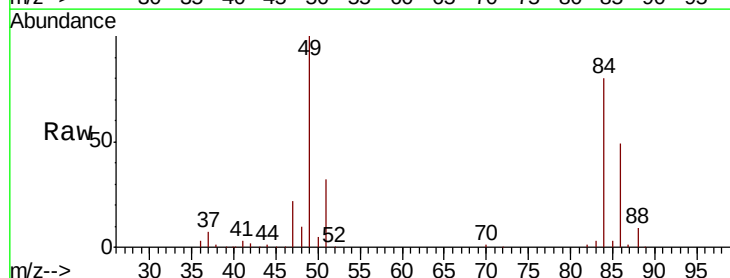
Instrument :
MSVOA_W
ClientSampleId :

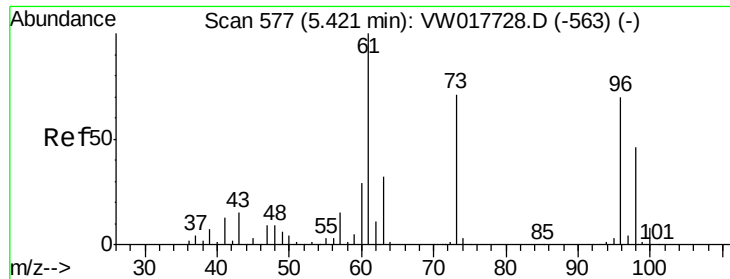
Tot Ion: 43 Resp: 49051
Ion Ratio Lower Upper
43 100
74 25.7 20.2 30.4



#16
Methylene chloride
Concen: 23.664 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW017732.D
Acq: 24 Dec 2020 13:03

Tgt Ion: 84 Resp: 129283
Ion Ratio Lower Upper
84 100
49 124.8 90.5 168.1
86 61.3 44.8 83.2

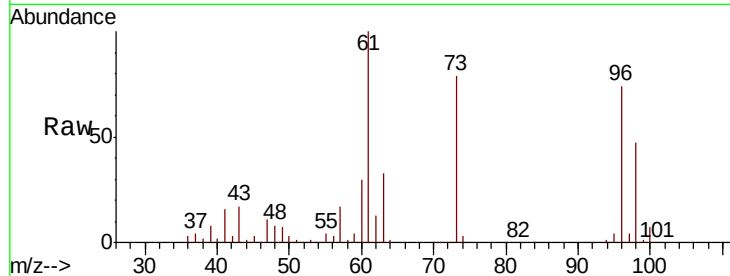




#17
Methyl tert-butyl Ether
Concen: 27.762 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW017732.D
Acq: 24 Dec 2020 13:03

Instrument :
MSVOA_W
ClientSampled :

Tot Ion	Ratio	Lower	Upper
73	100		
43	21.3	17.1	25.7
57	21.3	16.6	25.0

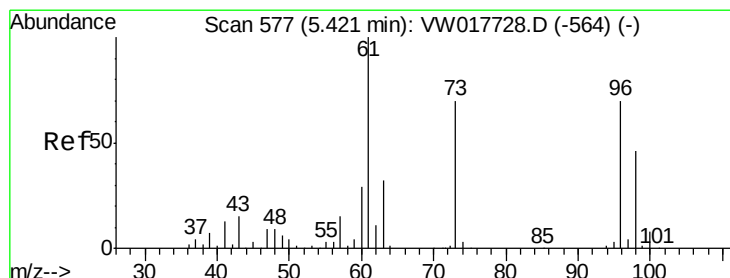
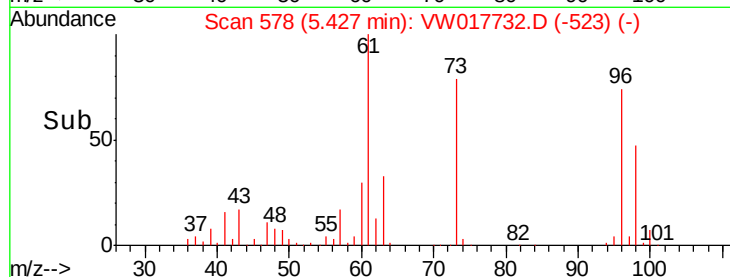
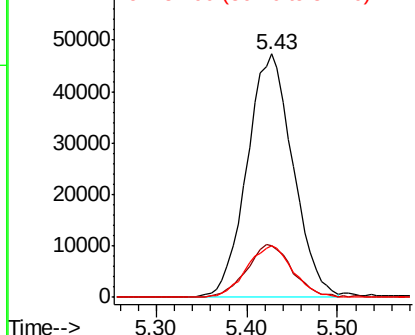


Abundance

Ion 73.00 (72.70 to 73.70): VW

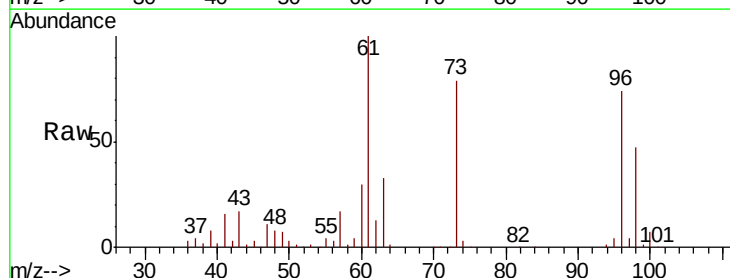
Ion 43.00 (42.70 to 43.70): VW

Ion 57.00 (56.70 to 57.70): VW



#18
trans-1,2-Dichloroethene
Concen: 26.042 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW017732.D
Acq: 24 Dec 2020 13:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	134.9	99.5	184.9
98	63.0	45.8	85.2

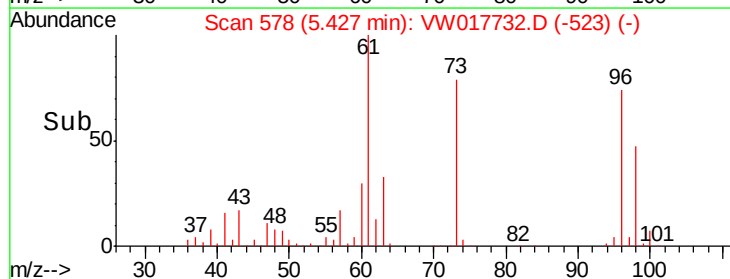
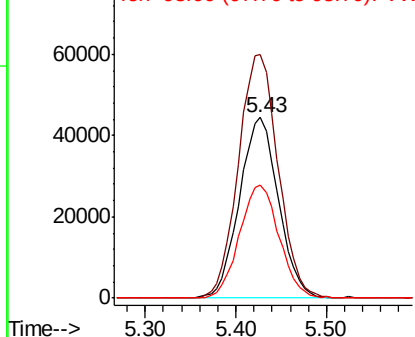


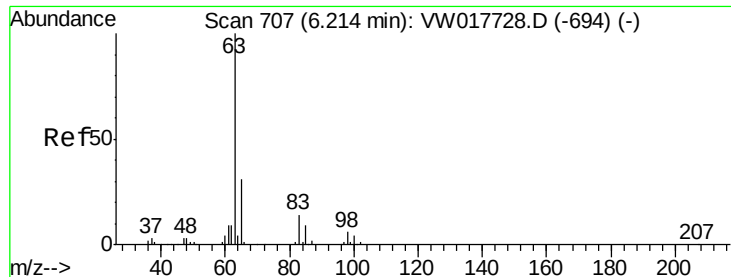
Abundance

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

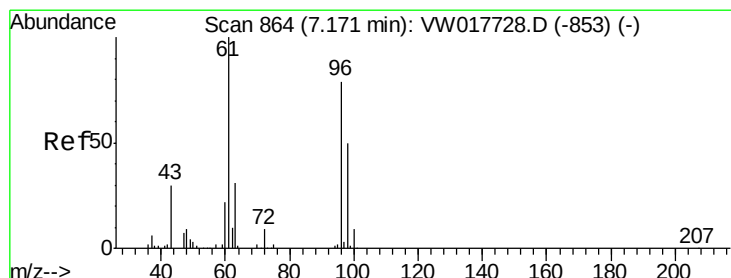
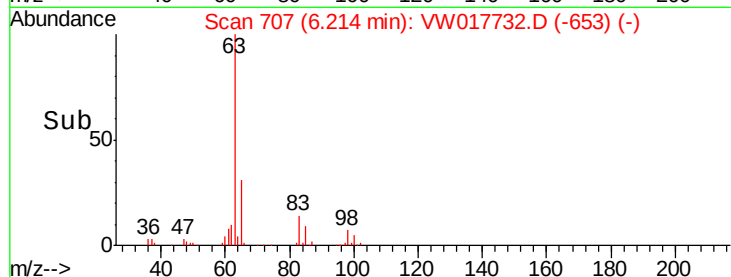
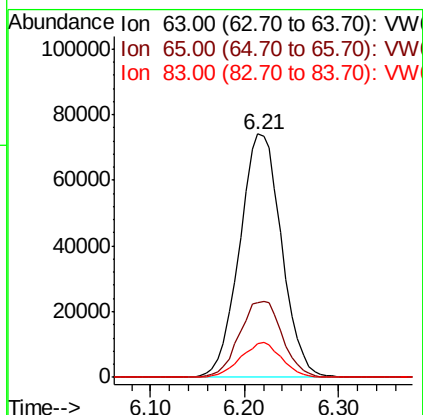
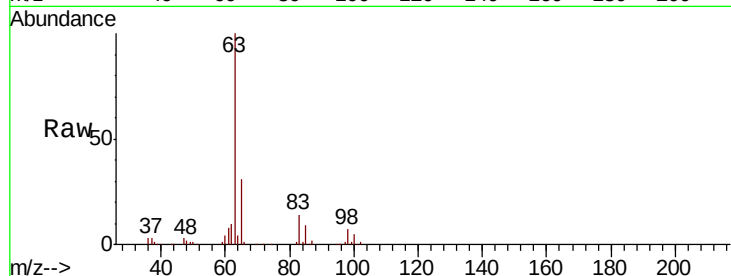




#19
 1,1-Dichloroethane
 Concen: 26.607 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VW017732.D
 Acq: 24 Dec 2020 13:03

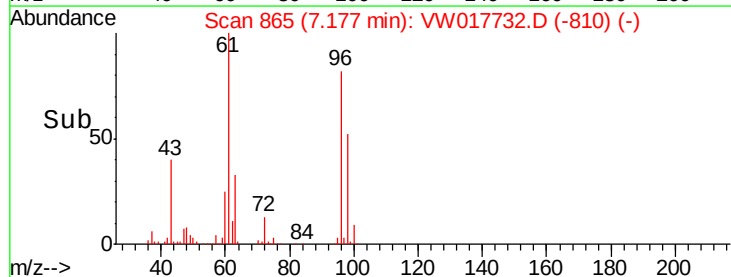
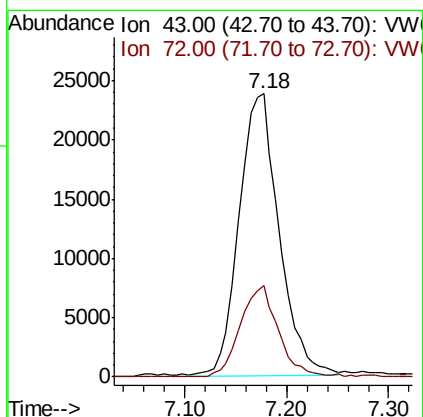
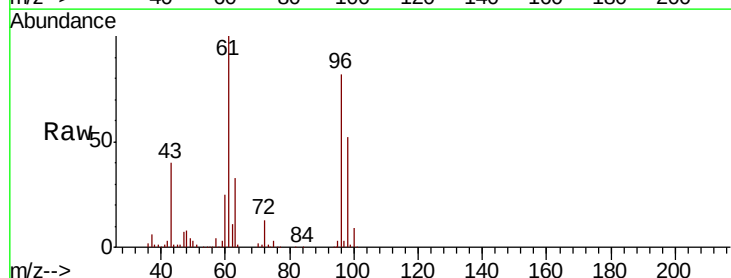
Instrument :
 MSVOA_W
 ClientSampled :

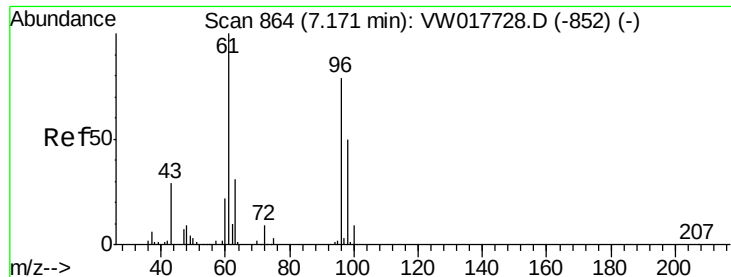
Tot Ion	Ratio	Lower	Upper
63	100		
65	30.7	21.9	40.7
83	13.6	10.0	18.6



#21
 2-Butanone
 Concen: 58.054 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VW017732.D
 Acq: 24 Dec 2020 13:03

Tgt Ion	Ratio	Lower	Upper
43	100		
72	30.7	15.4	46.2



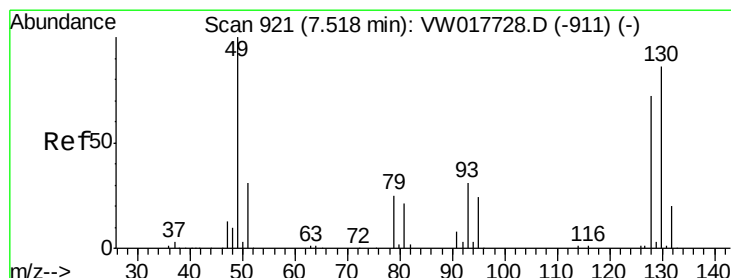
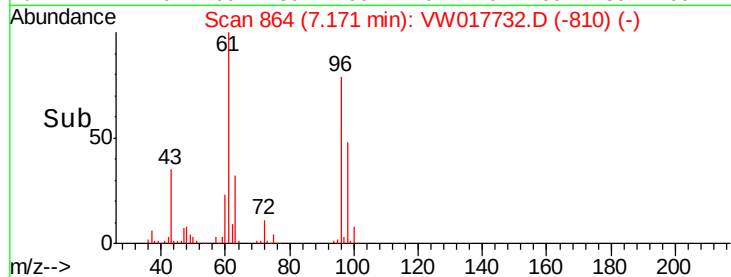
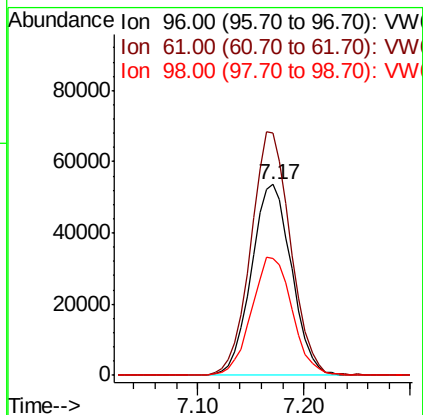
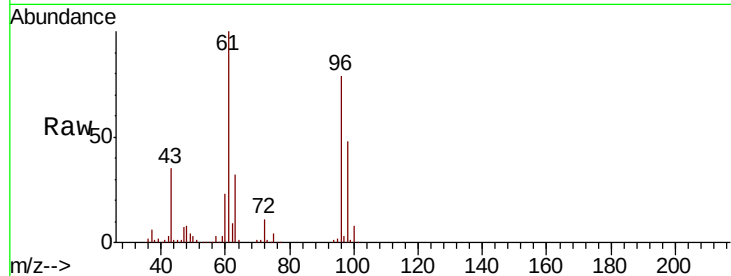


#22

cis-1,2-Dichloroethene
Concen: 26.587 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW017732.D
Acq: 24 Dec 2020 13:03

Instrument :
MSVOA_W
ClientSampleId :

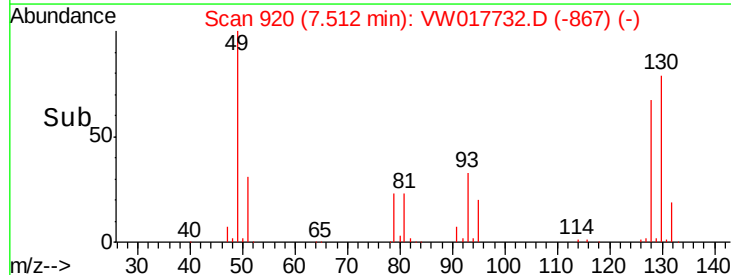
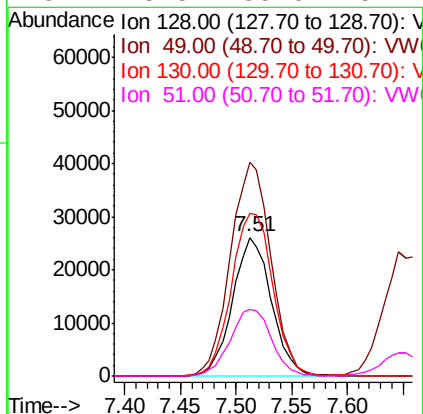
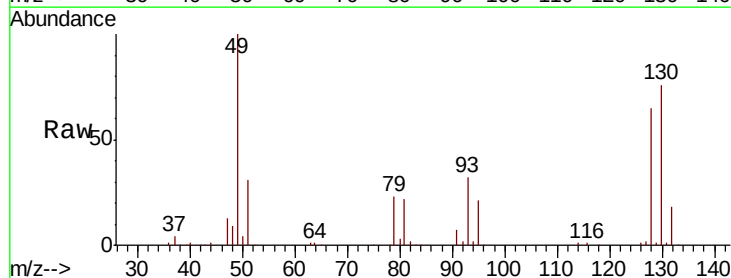
Tot Ion: 96 Resp: 141882
Ion Ratio Lower Upper
96 100
61 127.1 88.2 163.8
98 61.1 43.7 81.1

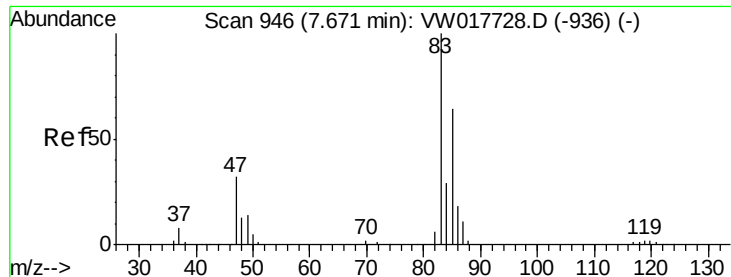


#23

Bromochloromethane
Concen: 27.919 ug/L
RT: 7.51 min Scan# 920
Delta R.T. -0.01 min
Lab File: VW017732.D
Acq: 24 Dec 2020 13:03

Tgt Ion:128 Resp: 63114
Ion Ratio Lower Upper
128 100
49 154.4 98.3 182.5
130 117.8 84.4 156.7
51 48.5 35.0 52.4

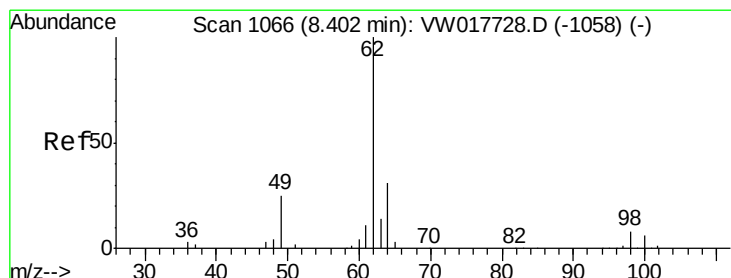
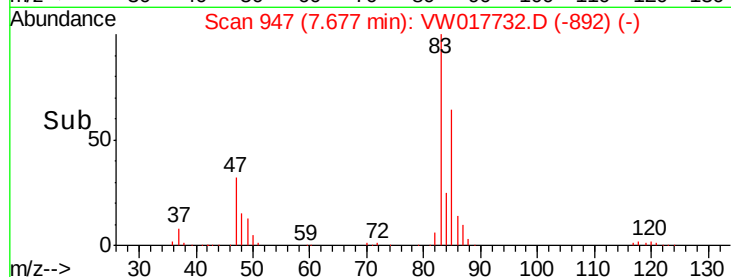
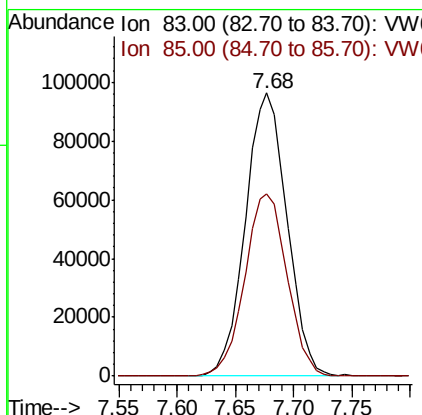
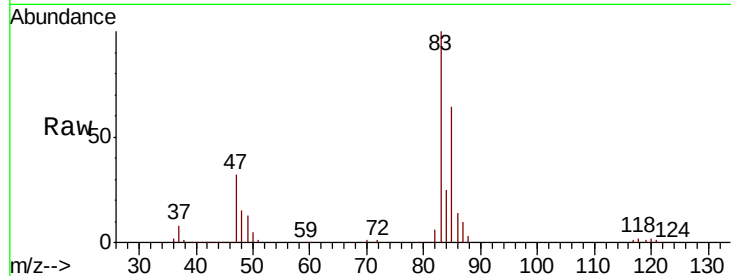




#25
Chloroform
Concen: 26.155 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW017732.D
Acq: 24 Dec 2020 13:03

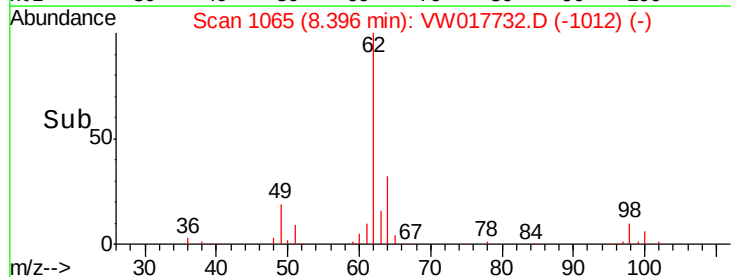
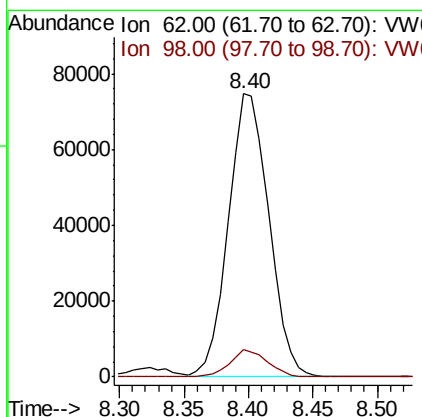
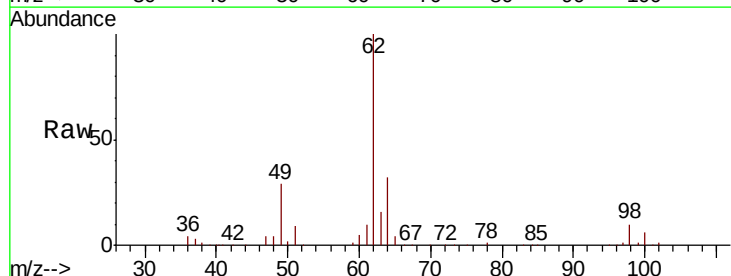
Instrument :
MSVOA_W
ClientSampled :

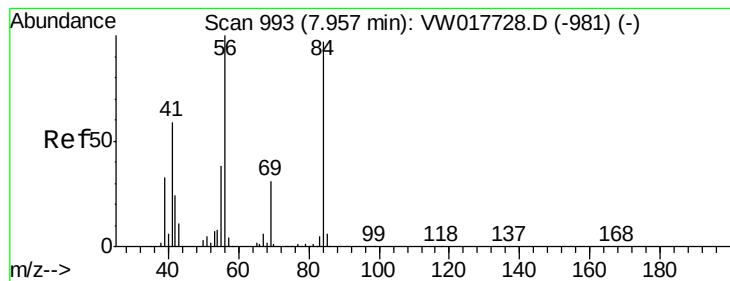
Tot Ion: 83 Resp: 238781
Ion Ratio Lower Upper
83 100
85 65.7 45.7 84.9



#27
1,2-Dichloroethane
Concen: 27.743 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW017732.D
Acq: 24 Dec 2020 13:03

Tgt Ion: 62 Resp: 163835
Ion Ratio Lower Upper
62 100
98 9.6 6.3 9.5#





#30

Cyclohexane

Concen: 26.130 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW017732.D

Acq: 24 Dec 2020 13:03

Instrument :

MSVOA_W

ClientSampleId :

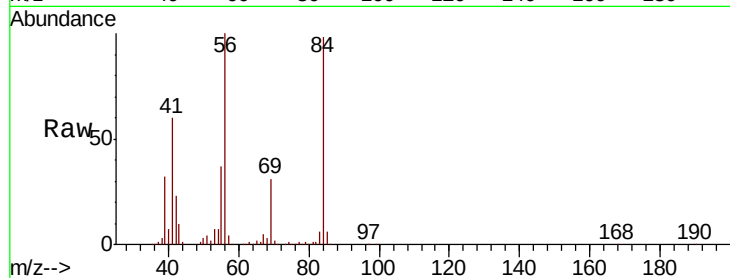
Tot Ion: 56 Resp: 213237

Ion Ratio Lower Upper

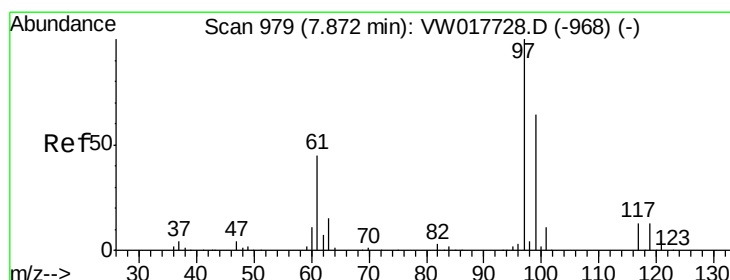
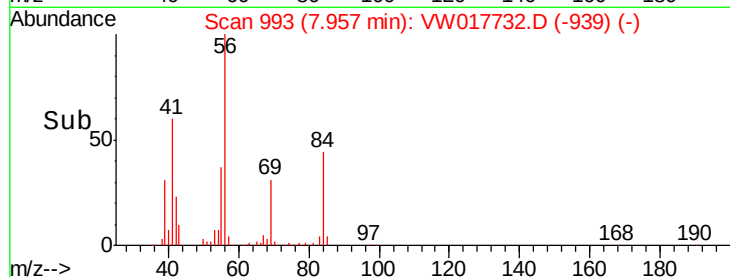
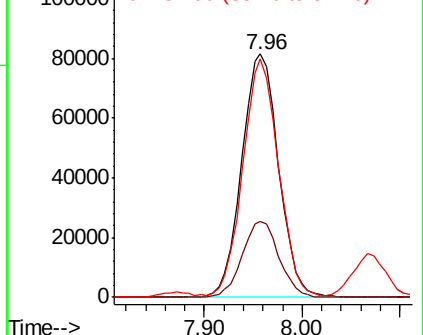
56 100

69 31.3 25.0 37.4

84 94.8 76.6 115.0



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: 26.199 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW017732.D

Acq: 24 Dec 2020 13:03

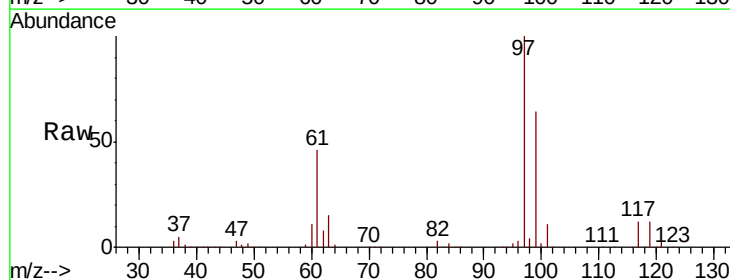
Tgt Ion: 97 Resp: 206616

Ion Ratio Lower Upper

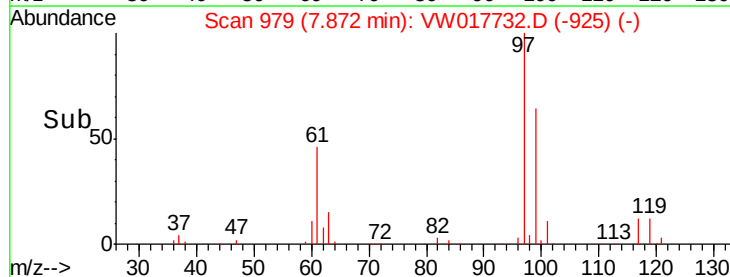
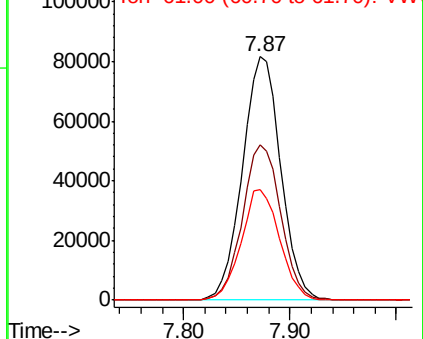
97 100

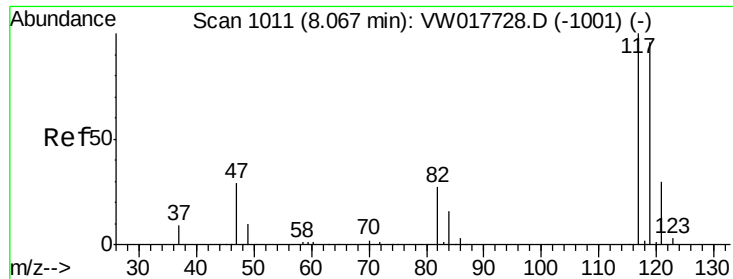
99 63.9 51.1 76.7

61 45.3 35.8 53.8



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: 26.416 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW017732.D

Acq: 24 Dec 2020 13:03

Instrument :

MSVOA_W

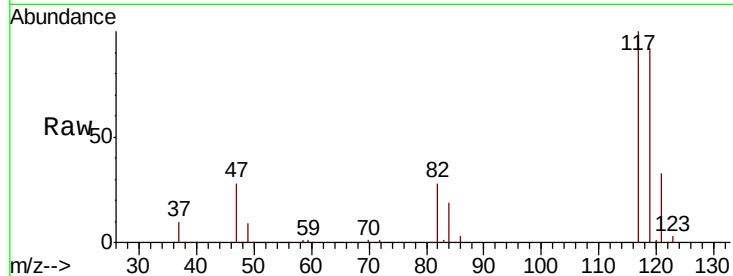
ClientSampleId :

Tot Ion:117 Resp: 196543

Ion Ratio Lower Upper

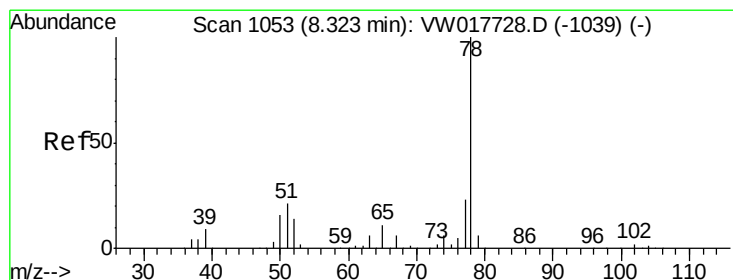
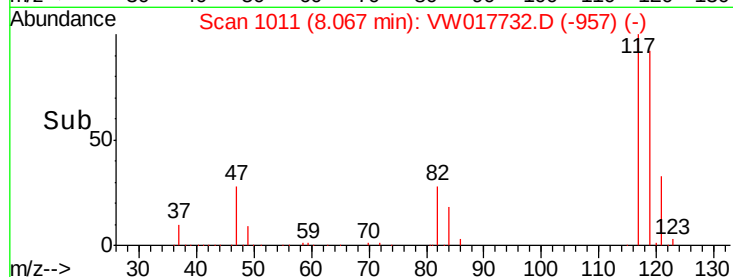
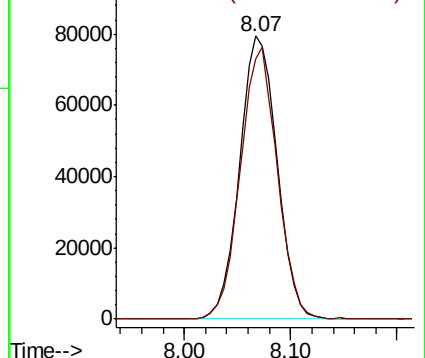
117 100

119 94.5 76.5 114.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 26.249 ug/L

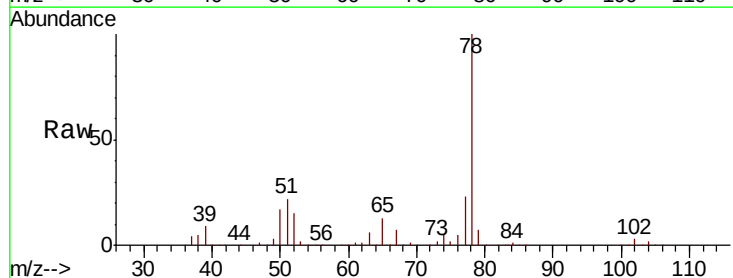
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

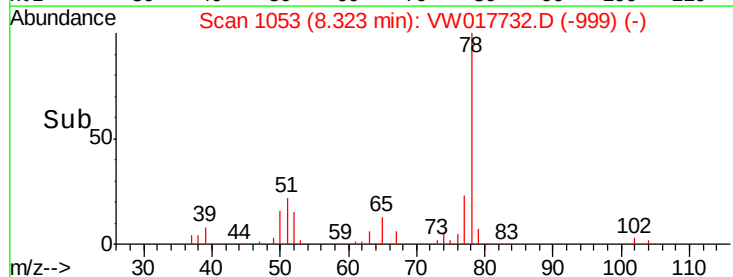
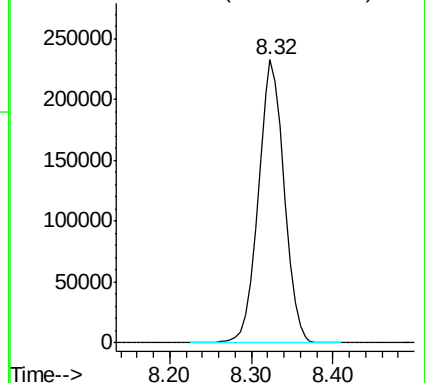
Lab File: VW017732.D

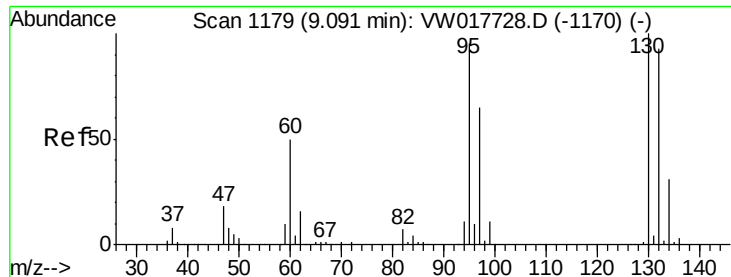
Acq: 24 Dec 2020 13:03

Tgt Ion: 78 Resp: 514562



Abundance Ion 78.00 (77.70 to 78.70): VW

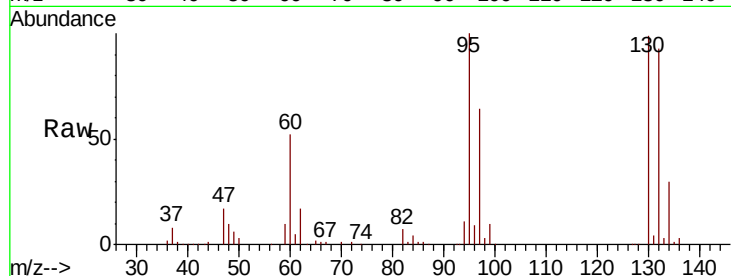




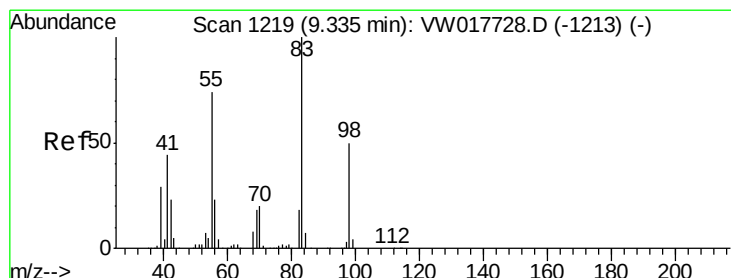
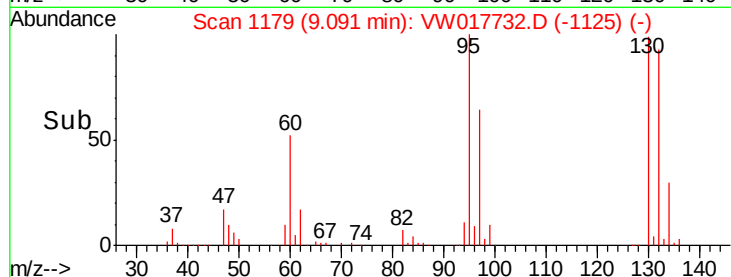
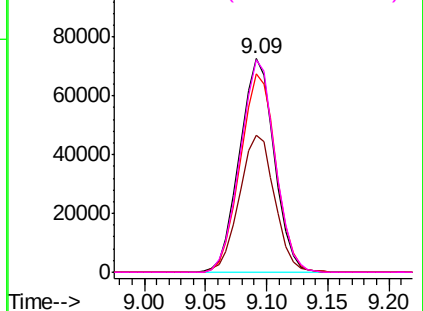
#35
 Trichloroethene
 Concen: 26.339 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW017732.D
 Acq: 24 Dec 2020 13:03

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 95 Resp: 142918
 Ion Ratio Lower Upper
 95 100
 97 65.1 46.8 87.0
 132 95.6 68.3 126.9
 130 100.2 71.8 133.4

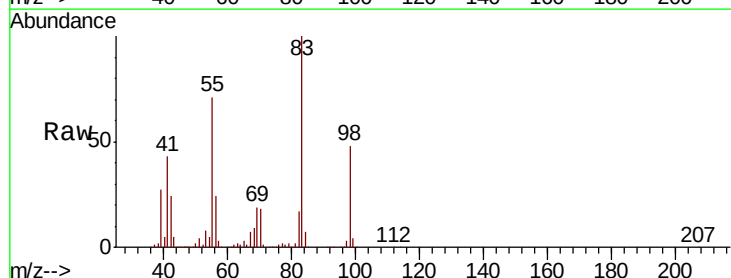


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

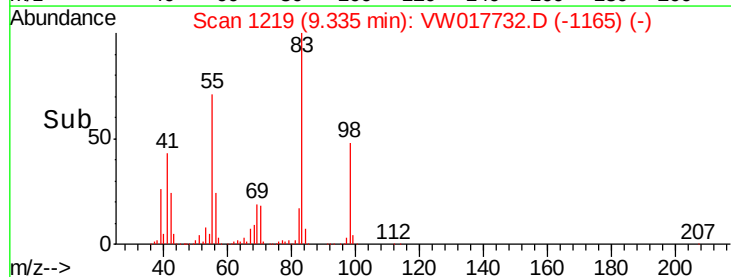
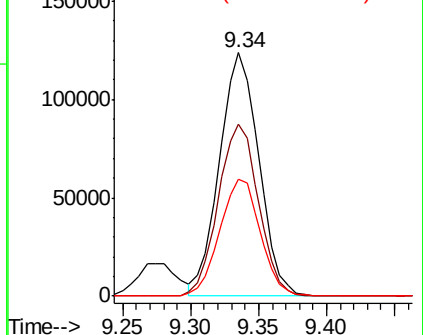


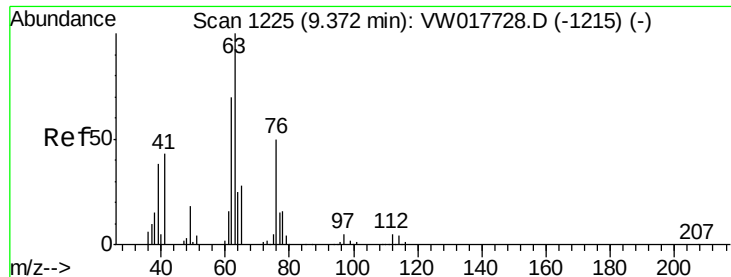
#36
 Methylcyclohexane
 Concen: 26.338 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW017732.D
 Acq: 24 Dec 2020 13:03

Tgt Ion: 83 Resp: 249822
 Ion Ratio Lower Upper
 83 100
 55 72.2 57.6 86.4
 98 49.7 39.7 59.5



Abundance Ion 83.00 (82.70 to 83.70): VW
 Ion 55.00 (54.70 to 55.70): VW
 Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 27.158 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VW017732.D

Acq: 24 Dec 2020 13:03

Instrument :

MSVOA_W

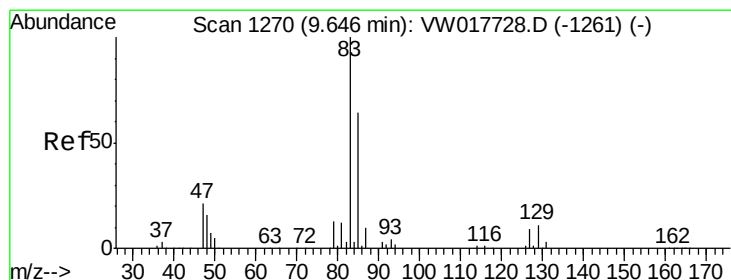
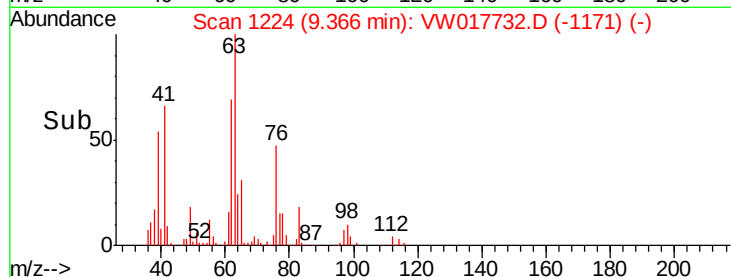
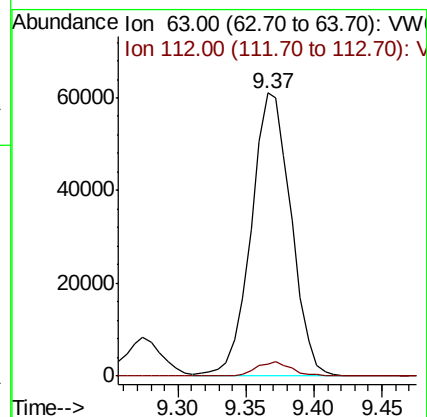
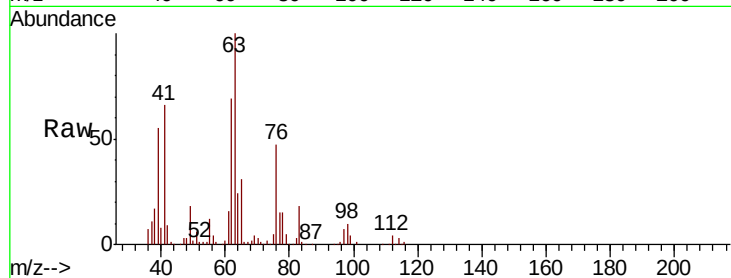
ClientSampleId :

Tot Ion: 63 Resp: 125679

Ion Ratio Lower Upper

63 100

112 4.6 3.6 5.4



#41

Bromodichloromethane

Concen: 27.958 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW017732.D

Acq: 24 Dec 2020 13:03

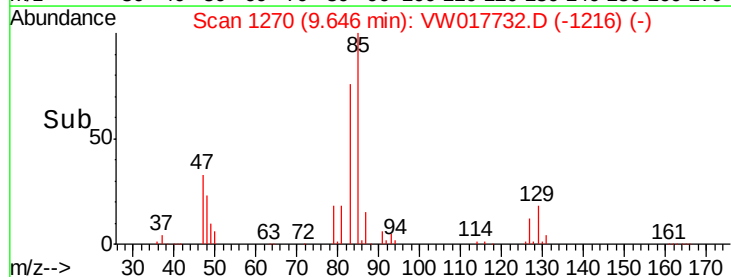
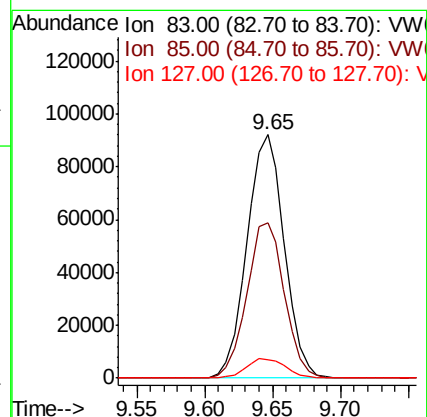
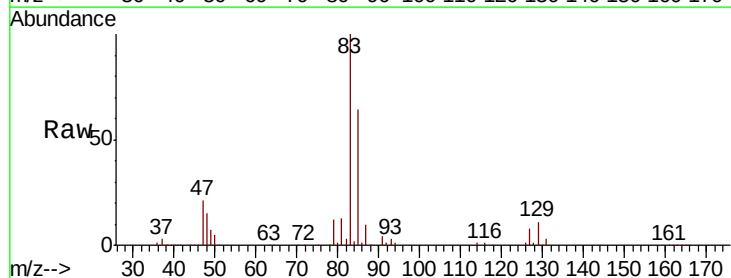
Tgt Ion: 83 Resp: 177101

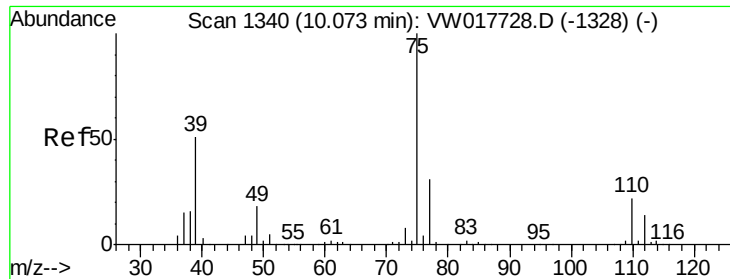
Ion Ratio Lower Upper

83 100

85 64.0 44.5 82.7

127 7.6 6.9 10.3





#42

cis-1,3-Dichloropropene

Concen: 27.947 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW017732.D

Acq: 24 Dec 2020 13:03

Instrument :

MSVOA_W

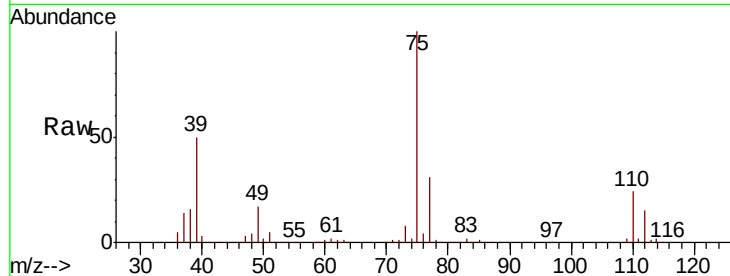
ClientSampled :

Tot Ion: 75 Resp: 206382

Ion Ratio Lower Upper

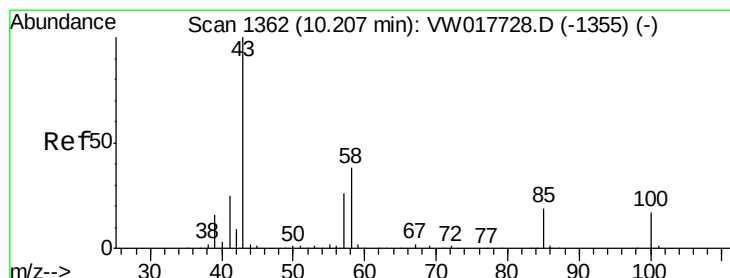
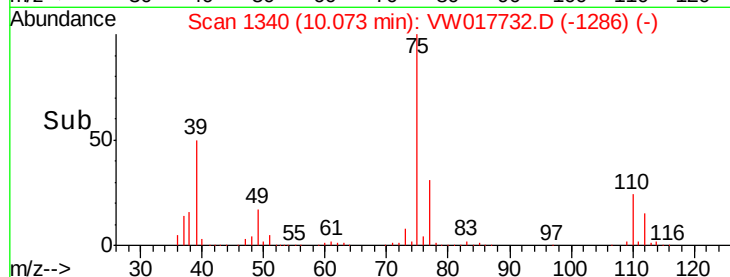
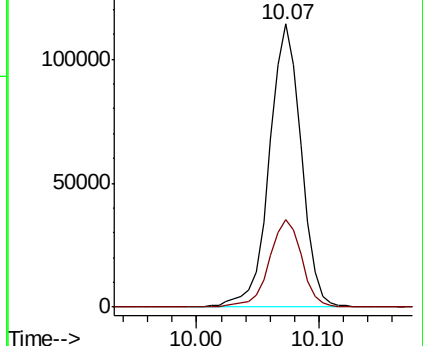
75 100

77 31.1 21.6 40.2



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: 62.729 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW017732.D

Acq: 24 Dec 2020 13:03

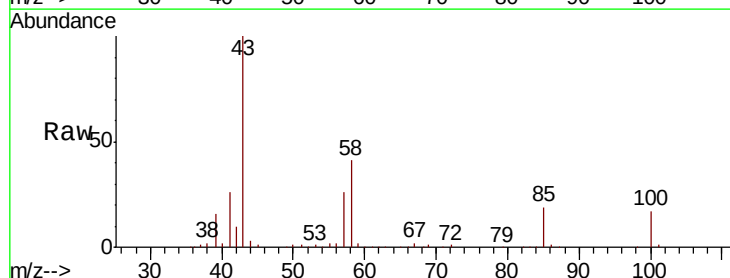
Tgt Ion: 43 Resp: 141033

Ion Ratio Lower Upper

43 100

58 38.9 31.0 46.4

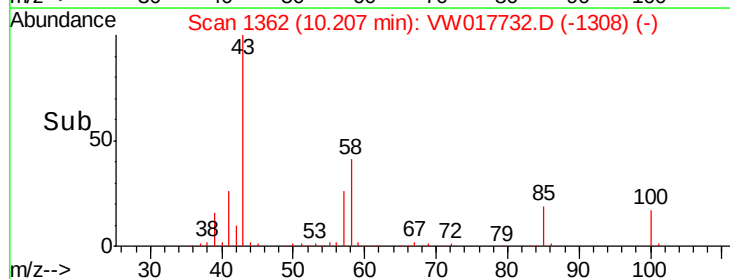
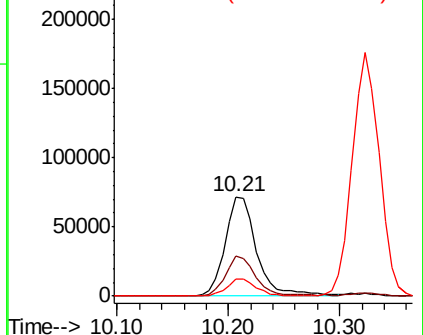
100 16.8 13.5 20.3

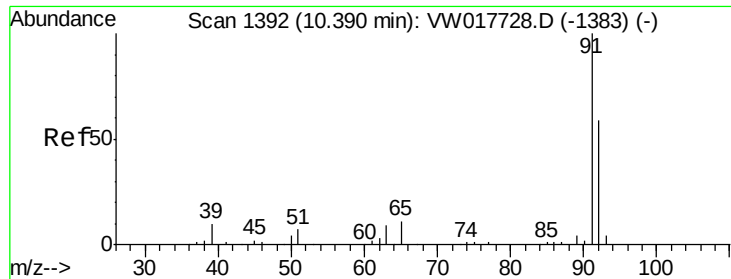


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW





#44

Toluene

Concen: 26.200 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW017732.D

Acq: 24 Dec 2020 13:03

Instrument :

MSVOA_W

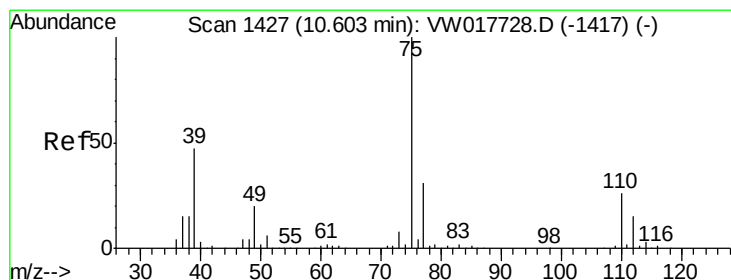
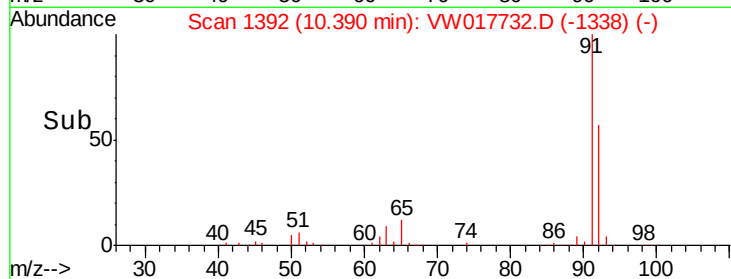
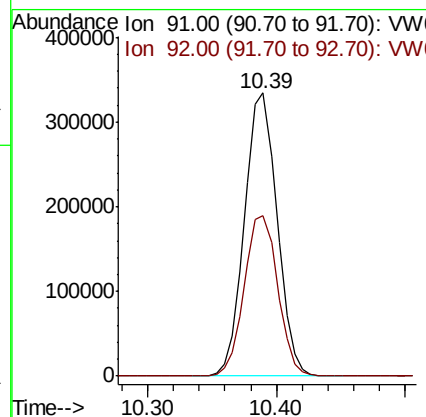
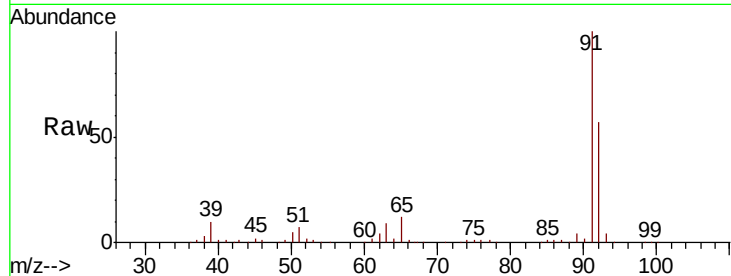
ClientSampleId :

Tot Ion: 91 Resp: 585658

Ion Ratio Lower Upper

91 100

92 56.8 41.0 76.2



#45

trans-1,3-Dichloropropene

Concen: 28.994 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW017732.D

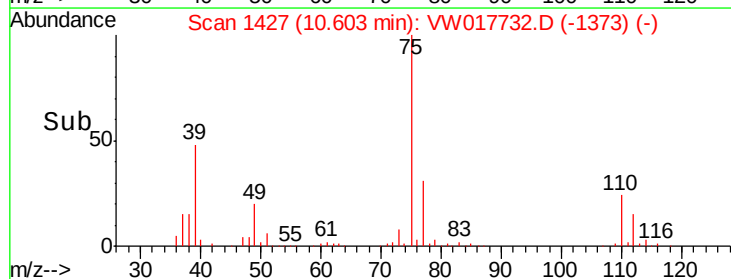
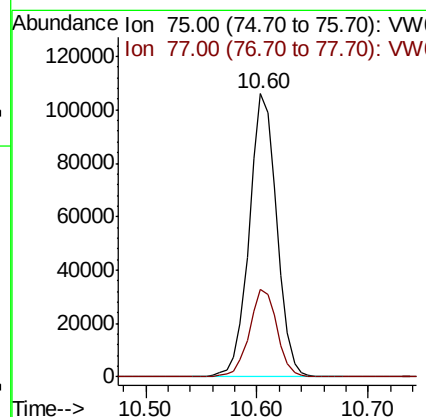
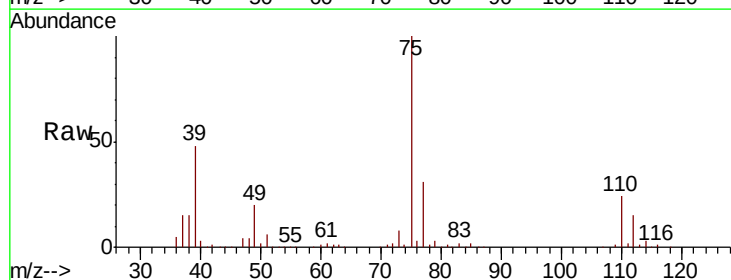
Acq: 24 Dec 2020 13:03

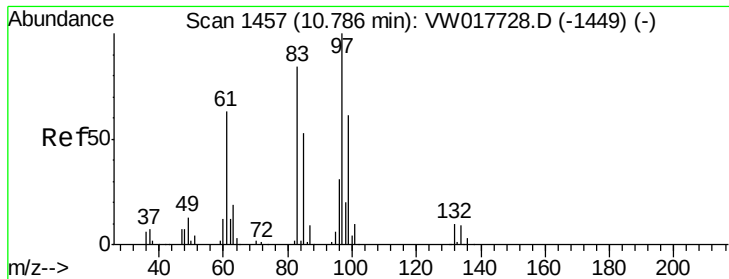
Tgt Ion: 75 Resp: 182330

Ion Ratio Lower Upper

75 100

77 30.9 21.6 40.0





#46

1,1,2-Trichloroethane

Concen: 28.443 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW017732.D

Acq: 24 Dec 2020 13:03

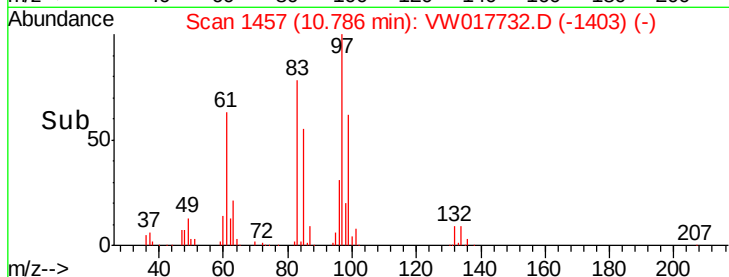
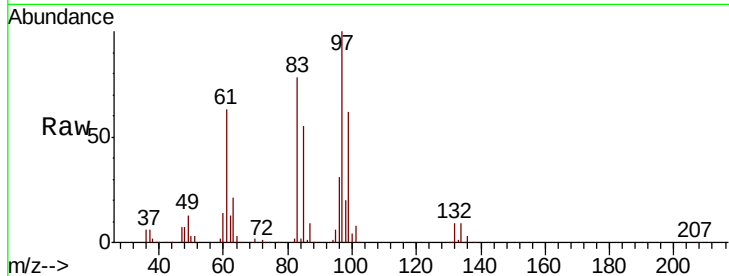
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 97839

Ion	Ratio	Lower	Upper
97	100		
83	78.2	58.9	109.5
85	54.9	37.1	68.9
99	61.9	42.7	79.3



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

Time-->

10.79

80000

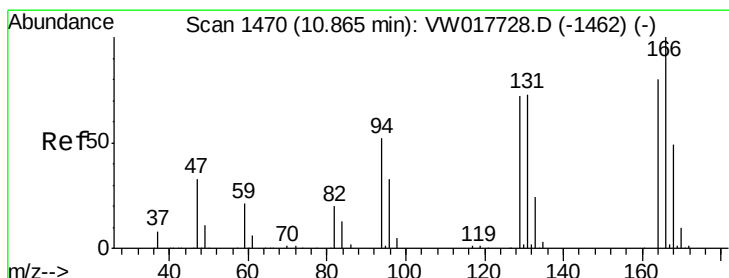
60000

40000

20000

0

10.70 10.75 10.80 10.85



#47

Tetrachloroethene

Concen: 25.766 ug/L

RT: 10.86 min Scan# 1469

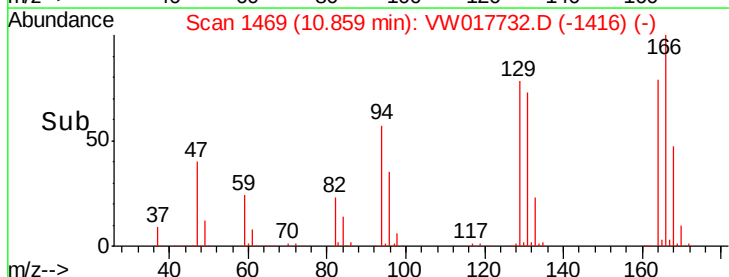
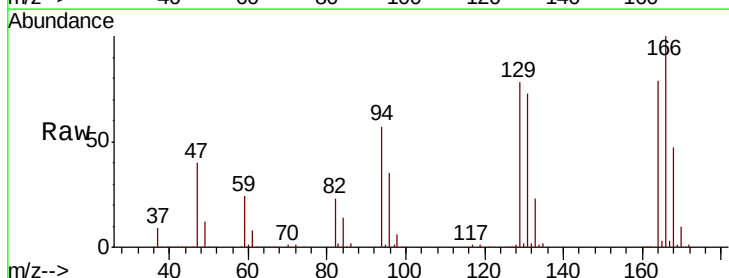
Delta R.T. -0.01 min

Lab File: VW017732.D

Acq: 24 Dec 2020 13:03

Tgt Ion: 164 Resp: 109304

Ion	Ratio	Lower	Upper
164	100		
129	98.4	62.9	116.9
131	91.6	63.8	118.6
166	125.8	87.4	162.2



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

Time-->

10.86

120000

100000

80000

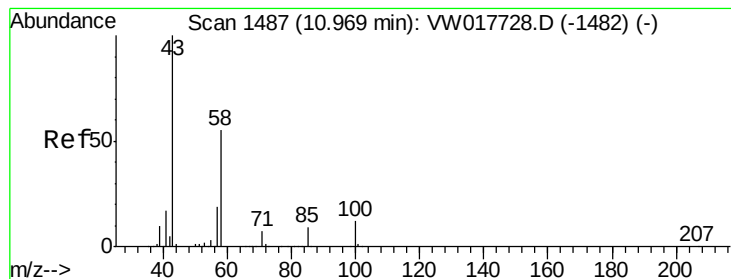
60000

40000

20000

0

10.80 10.85 10.90 10.95



#49

2-Hexanone

Concen: 64.268 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW017732.D

Acq: 24 Dec 2020 13:03

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 102517

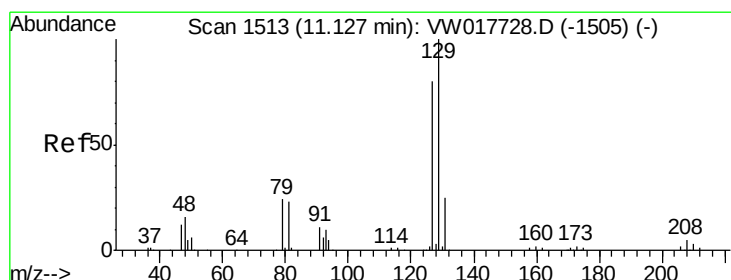
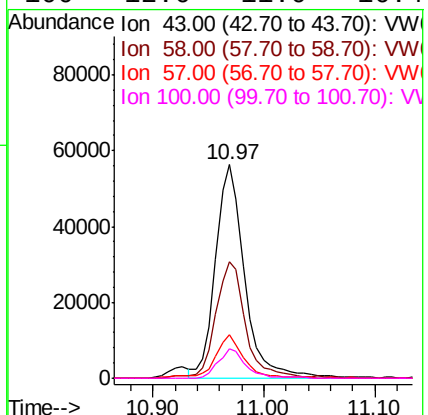
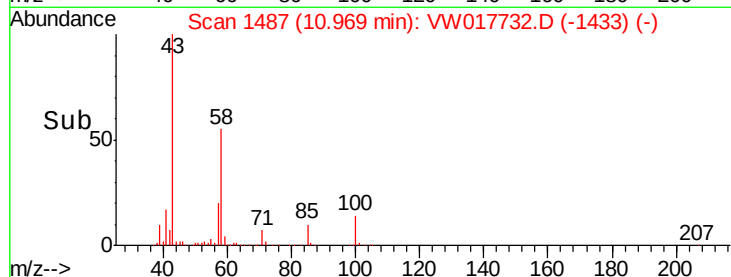
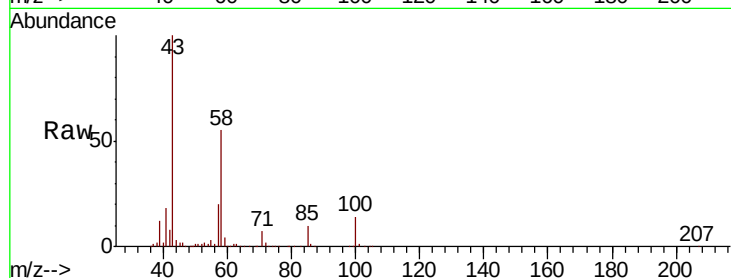
Ion Ratio Lower Upper

43 100

58 55.0 44.2 66.4

57 18.5 16.1 24.1

100 12.6 11.0 16.4



#50

Dibromochloromethane

Concen: 29.178 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW017732.D

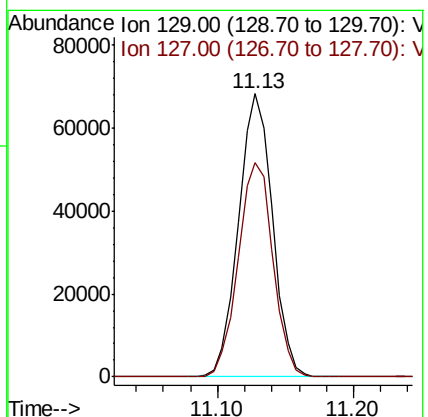
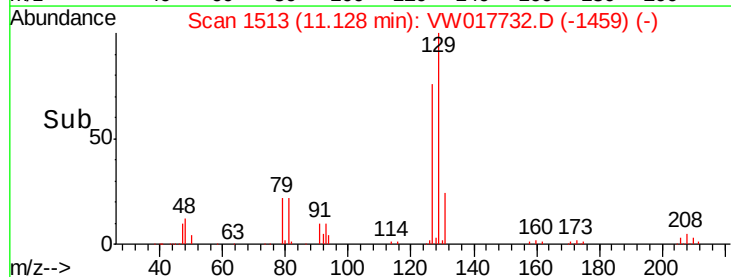
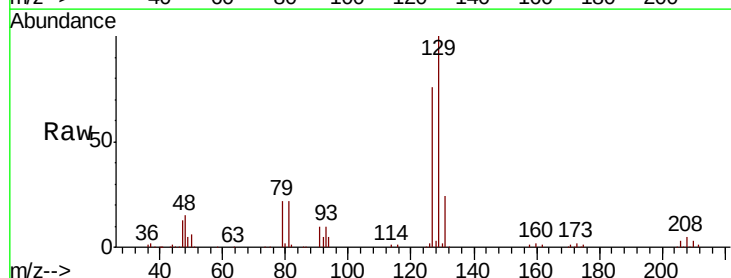
Acq: 24 Dec 2020 13:03

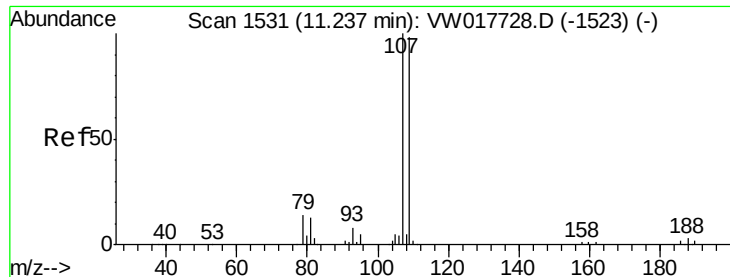
Tgt Ion: 129 Resp: 119155

Ion Ratio Lower Upper

129 100

127 75.8 56.1 104.3

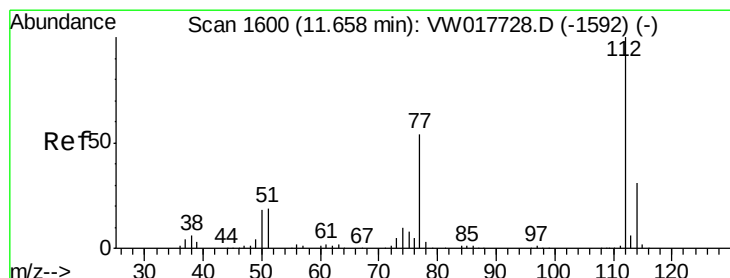
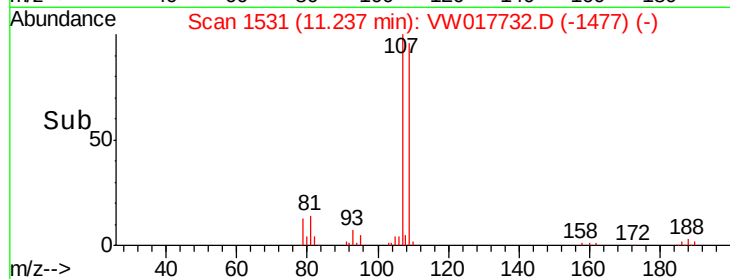
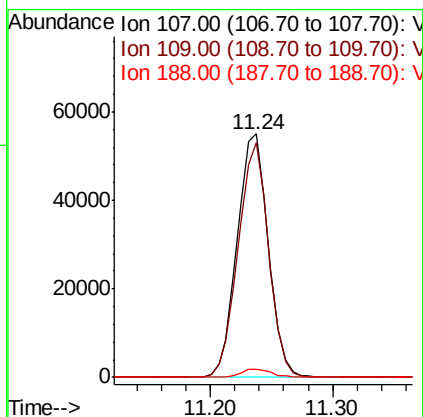
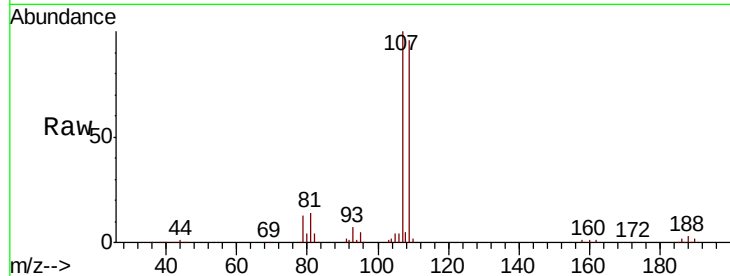




#51
1,2-Dibromoethane
Concen: 29.723 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW017732.D
Acq: 24 Dec 2020 13:03

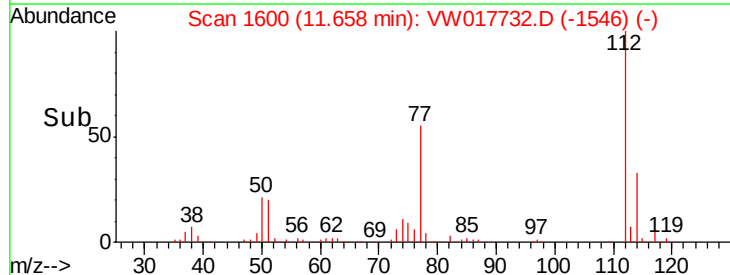
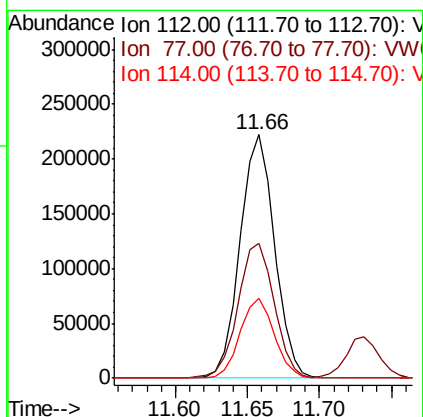
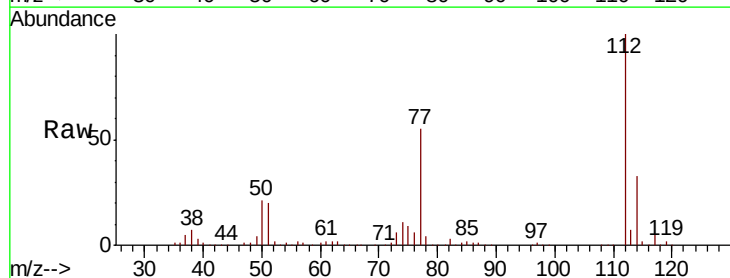
Instrument :
MSVOA_W
ClientSampleId :

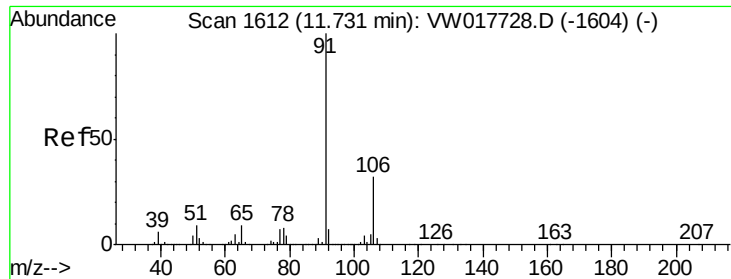
Tot Ion:107 Resp: 96793
Ion Ratio Lower Upper
107 100
109 96.3 68.5 127.1
188 3.6 2.7 4.1



#52
Chlorobenzene
Concen: 26.415 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW017732.D
Acq: 24 Dec 2020 13:03

Tgt Ion:112 Resp: 368600
Ion Ratio Lower Upper
112 100
77 55.3 43.4 65.2
114 32.7 21.6 40.2

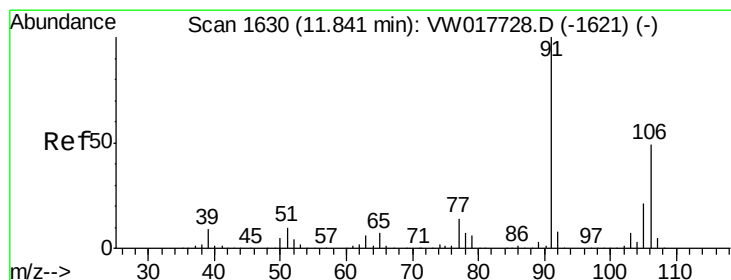
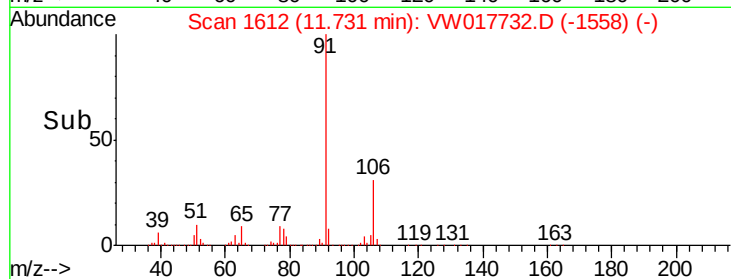
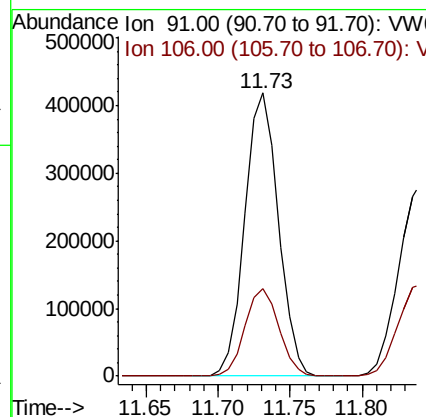
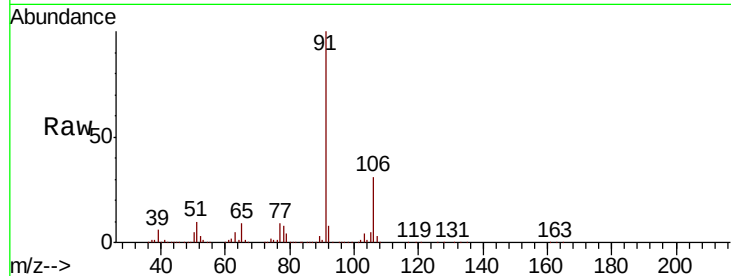




#53
Ethylbenzene
Concen: 26.605 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW017732.D
Acq: 24 Dec 2020 13:03

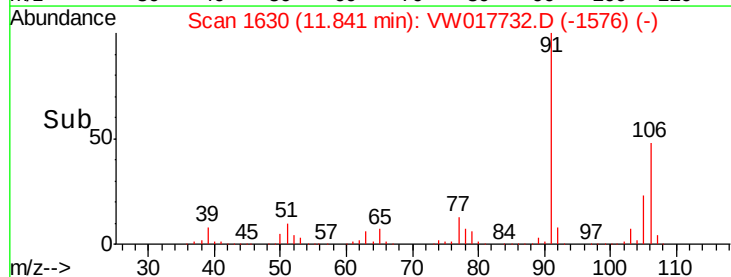
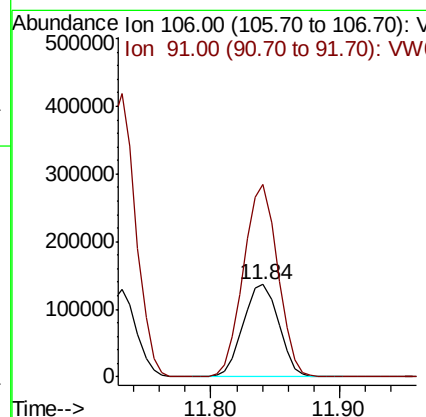
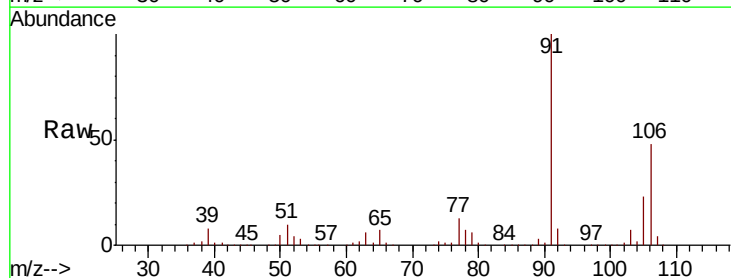
Instrument :
MSVOA_W
ClientSampled :

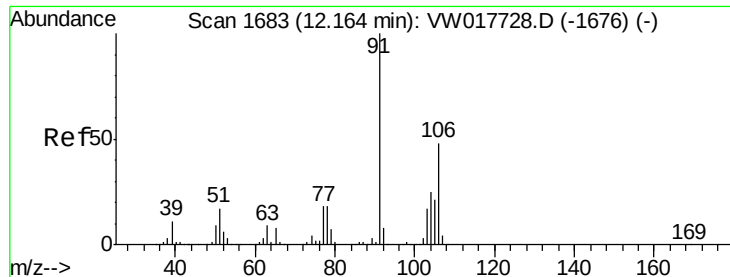
Tot Ion: 91 Resp: 674763
Ion Ratio Lower Upper
91 100
106 30.7 22.0 41.0



#54
m,p-Xylene
Concen: 26.358 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW017732.D
Acq: 24 Dec 2020 13:03

Tgt Ion: 106 Resp: 261507
Ion Ratio Lower Upper
106 100
91 208.2 141.6 263.0

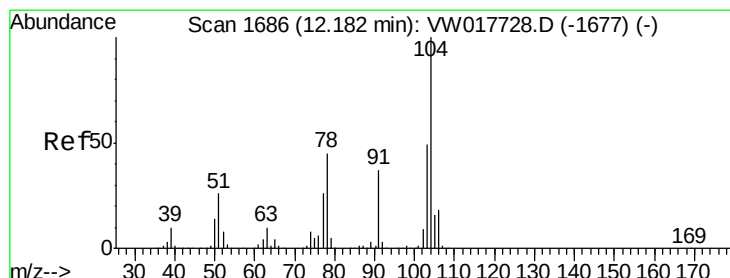
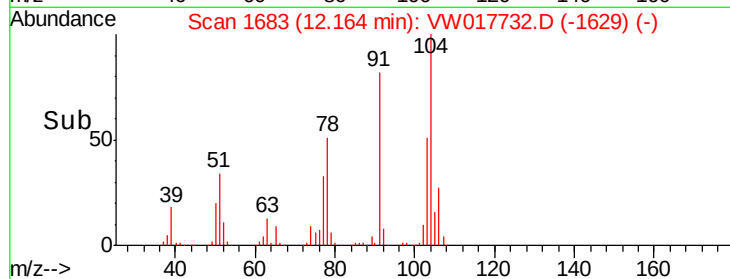
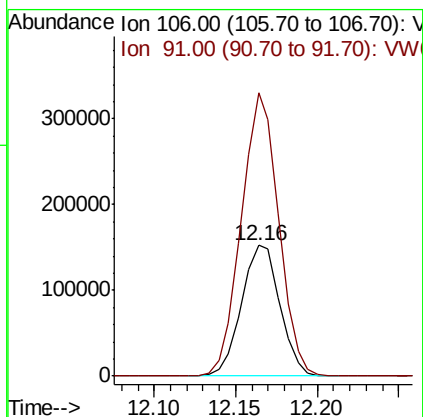
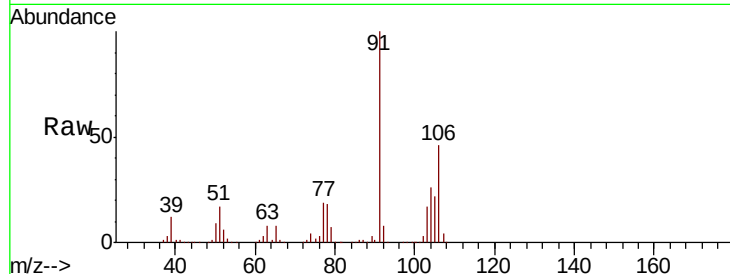




#55
o-xylene
Concen: 26.839 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW017732.D
Acq: 24 Dec 2020 13:03

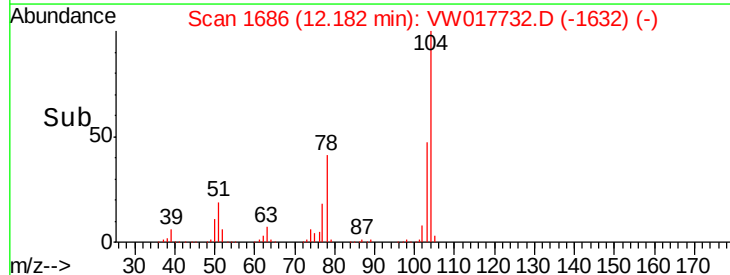
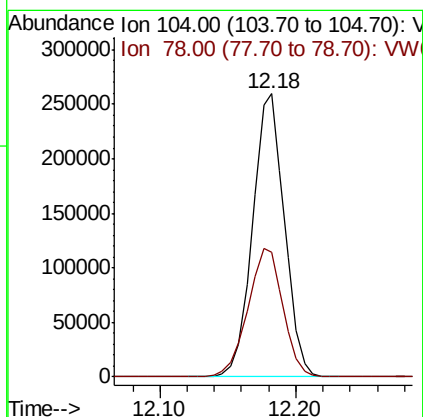
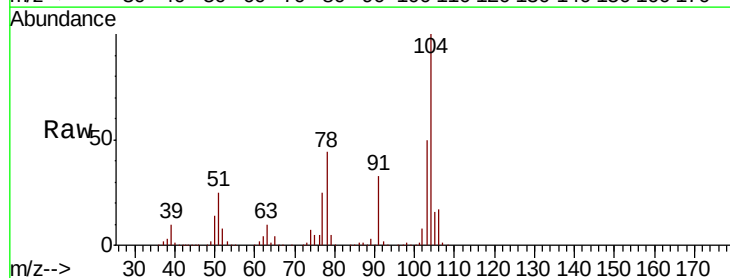
Instrument :
MSVOA_W
ClientSampled :

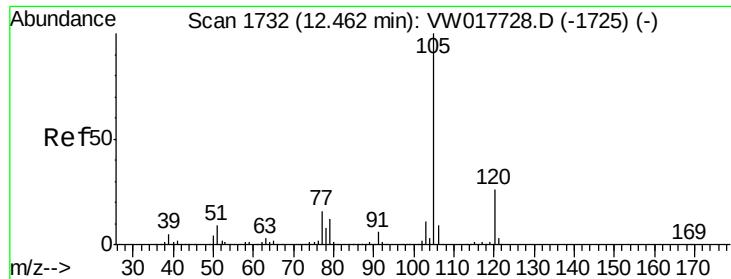
Tot Ion:106 Resp: 250423
Ion Ratio Lower Upper
106 100
91 216.5 145.7 270.7



#56
Styrene
Concen: 27.442 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW017732.D
Acq: 24 Dec 2020 13:03

Tgt Ion:104 Resp: 425909
Ion Ratio Lower Upper
104 100
78 44.0 31.6 58.8





#57

Isopropylbenzene

Concen: 26.853 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW017732.D

Acq: 24 Dec 2020 13:03

Instrument :

MSVOA_W

ClientSampled :

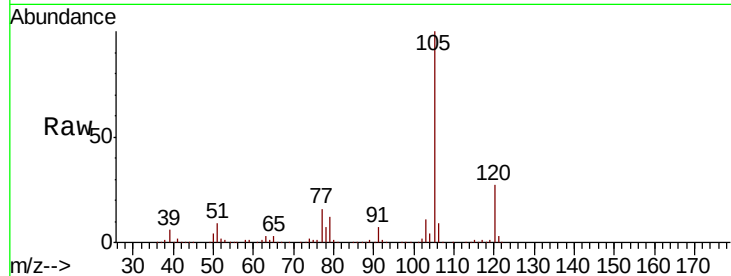
Tot Ion:105 Resp: 693668

Ion Ratio Lower Upper

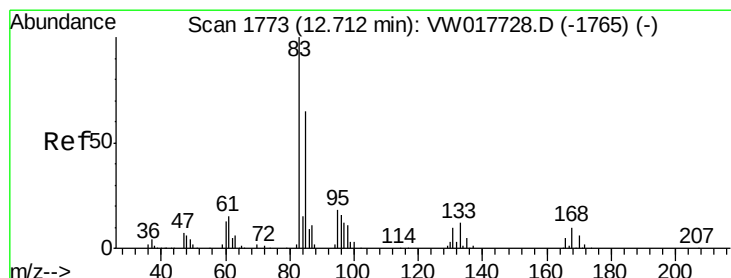
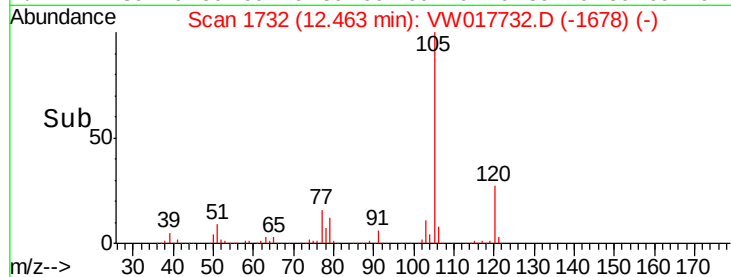
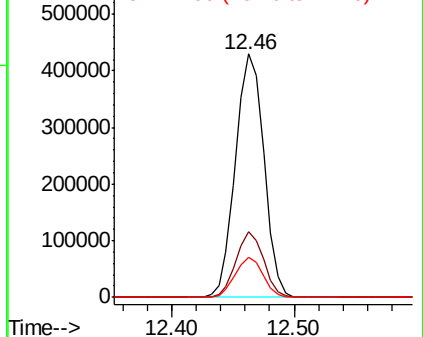
105 100

120 26.0 21.4 32.2

77 16.0 12.7 19.1



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V
Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 30.433 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW017732.D

Acq: 24 Dec 2020 13:03

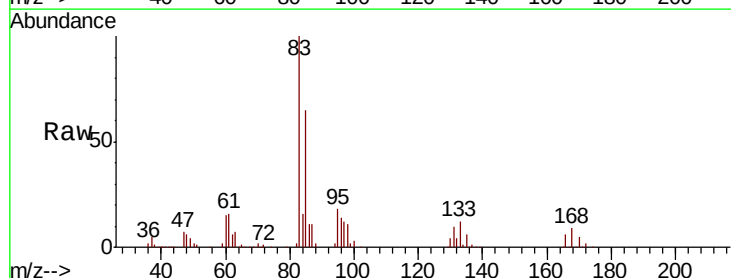
Tgt Ion: 83 Resp: 116841

Ion Ratio Lower Upper

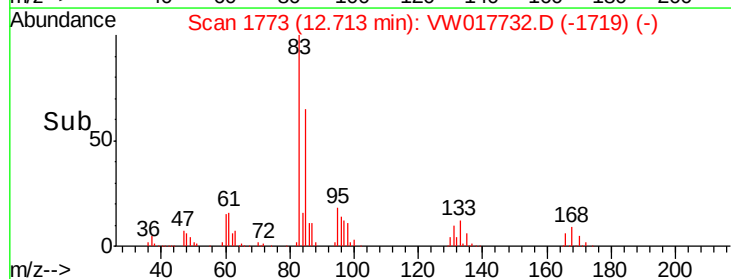
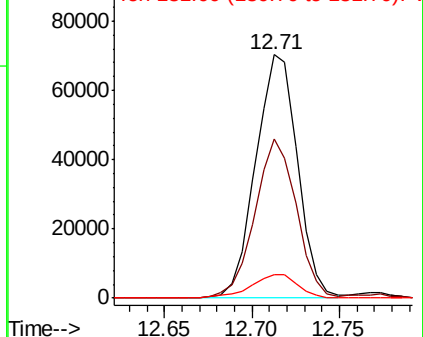
83 100

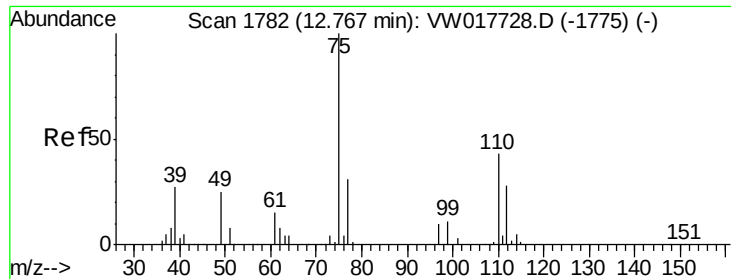
85 65.4 45.6 84.8

131 9.8 7.8 11.8



Abundance Ion 83.00 (82.70 to 83.70): V
Ion 85.00 (84.70 to 85.70): V
Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 30.149 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW017732.D

Acq: 24 Dec 2020 13:03

Instrument :

MSVOA_W

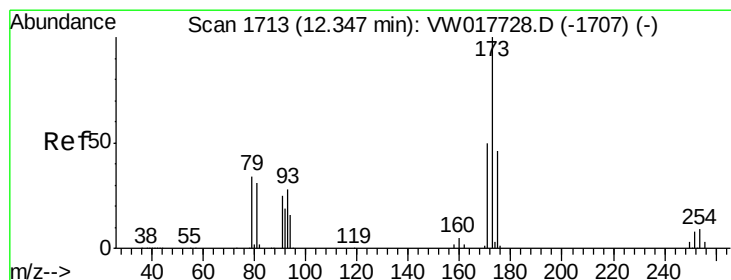
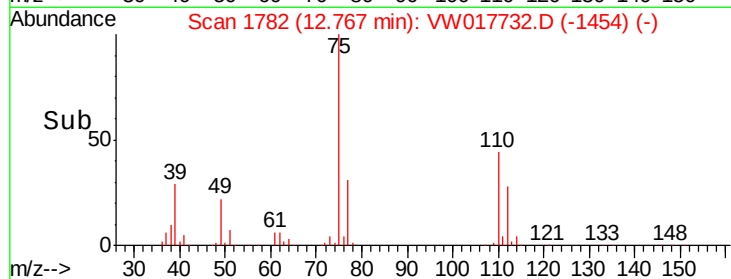
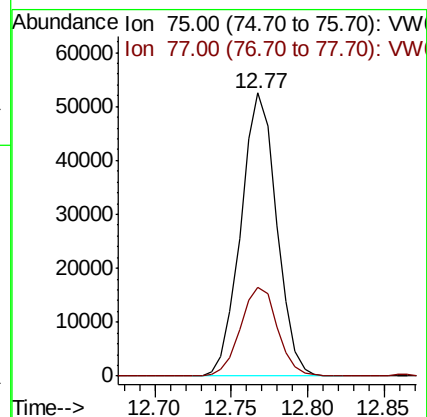
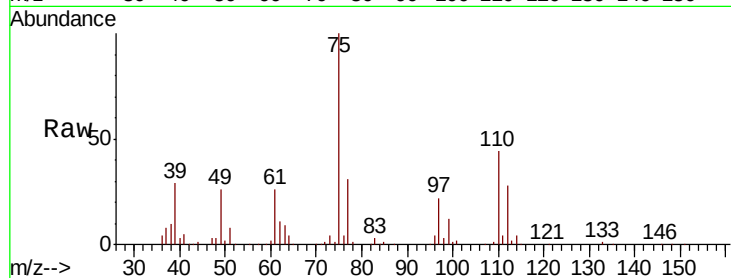
ClientSampled :

Tot Ion: 75 Resp: 85088

Ion Ratio Lower Upper

75 100

77 32.7 25.4 38.0



#62

Bromoform

Concen: 29.163 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW017732.D

Acq: 24 Dec 2020 13:03

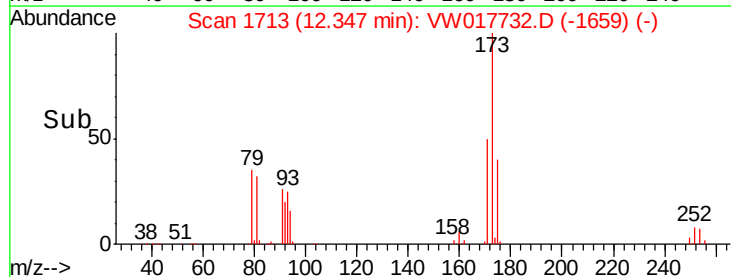
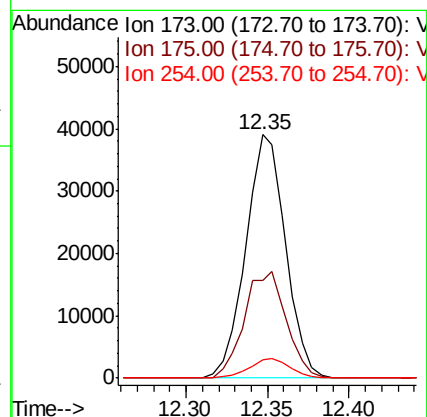
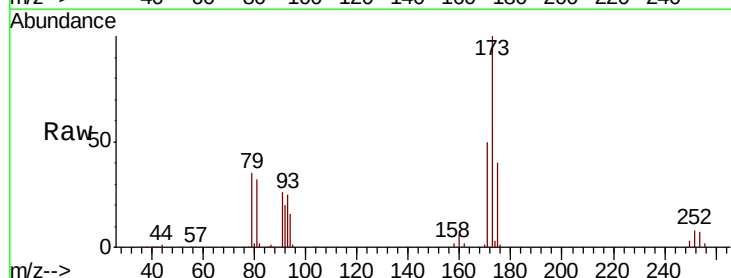
Tgt Ion: 173 Resp: 66353

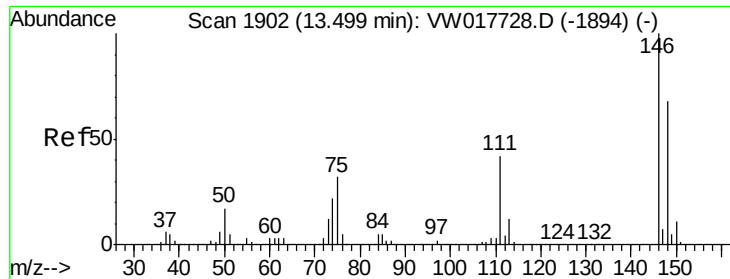
Ion Ratio Lower Upper

173 100

175 46.0 38.1 57.1

254 8.1 6.7 10.1





#63

1,3-Dichlorobenzene

Concen: 25.792 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW017732.D

Acq: 24 Dec 2020 13:03

Instrument :

MSVOA_W

ClientSampleId :

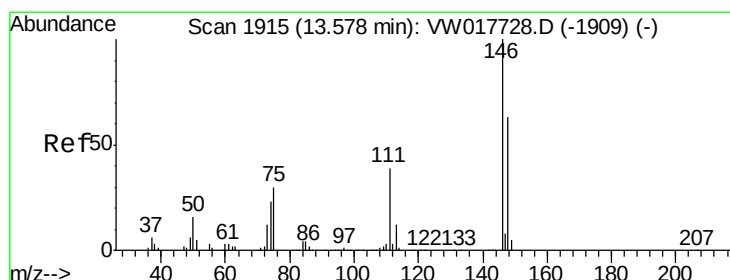
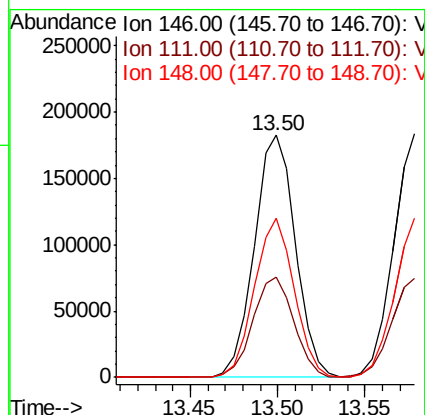
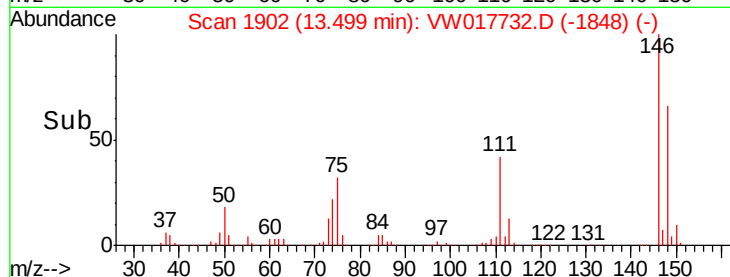
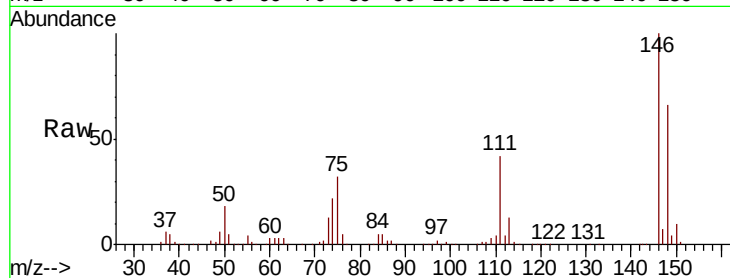
Tot Ion:146 Resp: 296022

Ion Ratio Lower Upper

146 100

111 41.6 29.5 54.7

148 65.7 47.7 88.5



#64

1,4-Dichlorobenzene

Concen: 25.340 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW017732.D

Acq: 24 Dec 2020 13:03

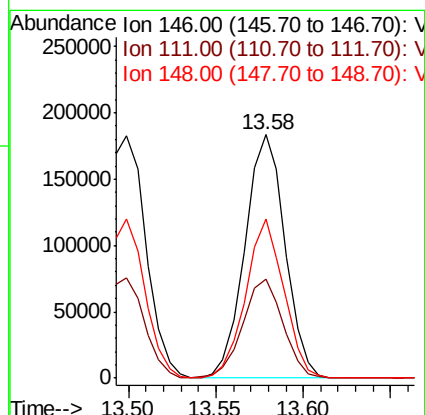
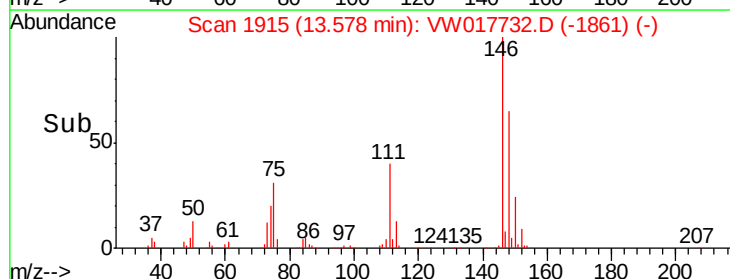
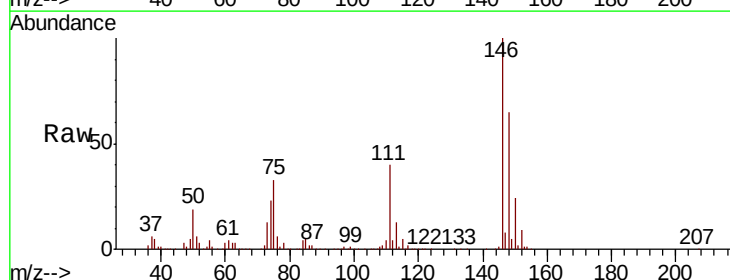
Tgt Ion:146 Resp: 292266

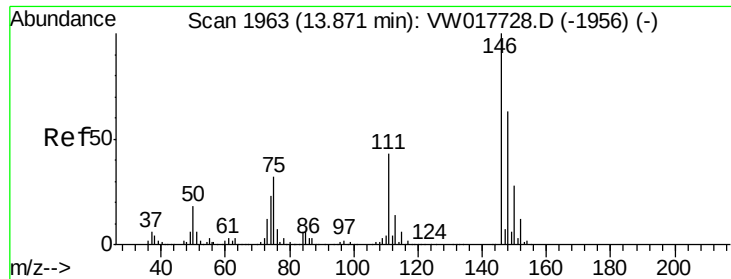
Ion Ratio Lower Upper

146 100

111 40.4 27.7 51.5

148 65.1 44.2 82.2

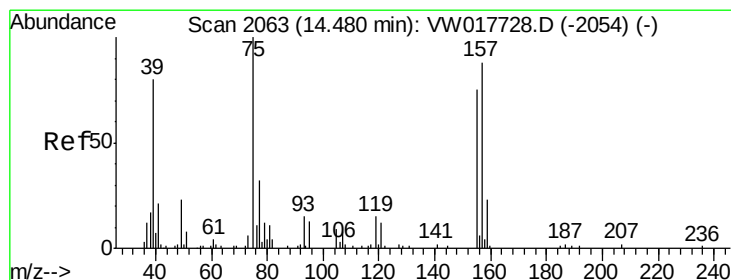
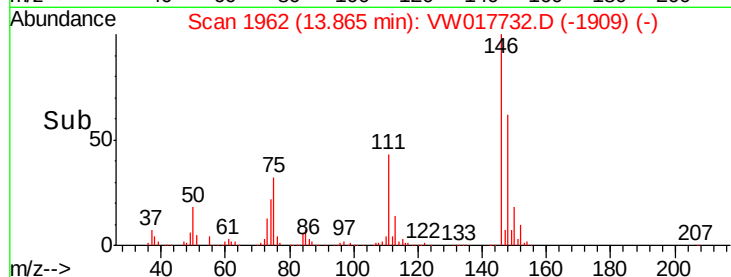
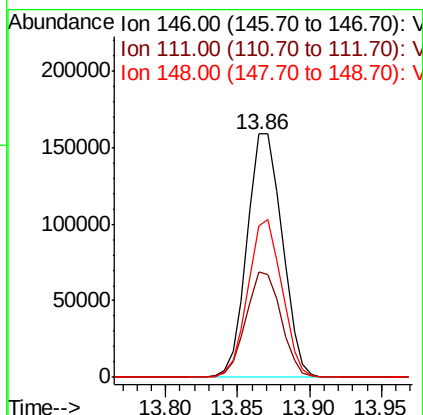
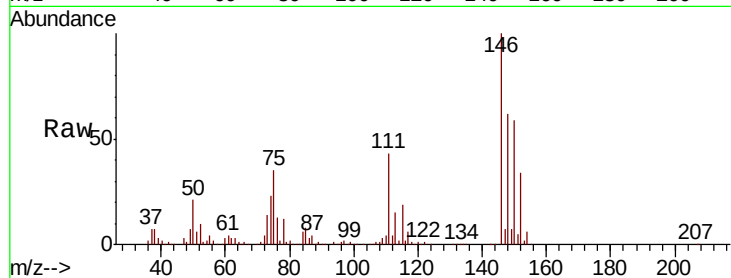




#65
 1,2-Dichlorobenzene
 Concen: 26.572 ug/L
 RT: 13.86 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW017732.D
 Acq: 24 Dec 2020 13:03

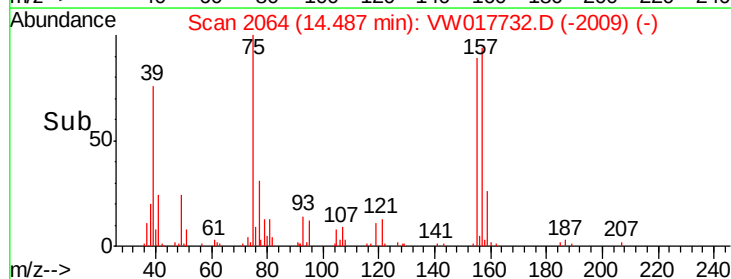
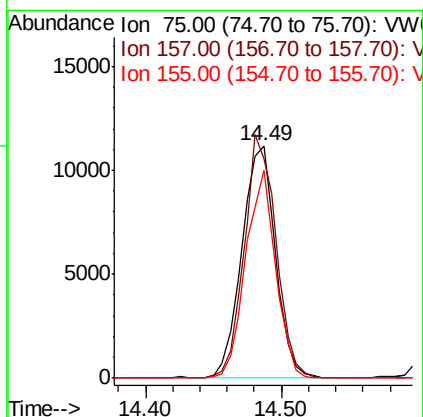
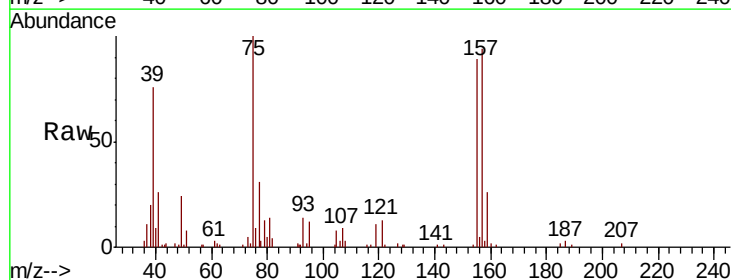
Instrument :
 MSVOA_W
 ClientSampleId :

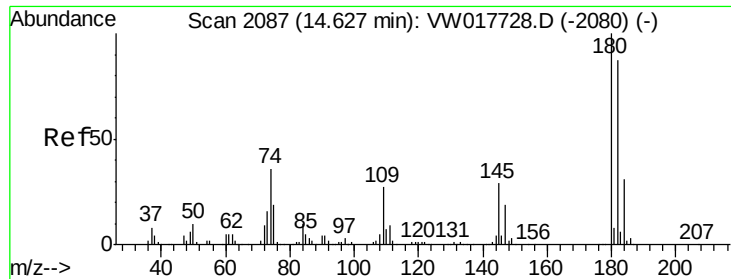
Tot Ion:146 Resp: 267971
 Ion Ratio Lower Upper
 146 100
 111 43.4 34.4 51.6
 148 62.0 50.6 76.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 29.019 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.01 min
 Lab File: VW017732.D
 Acq: 24 Dec 2020 13:03

Tgt Ion: 75 Resp: 19275
 Ion Ratio Lower Upper
 75 100
 157 94.2 70.2 105.4
 155 89.2 59.8 89.6

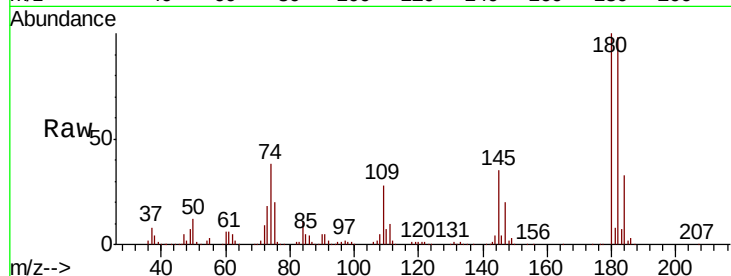




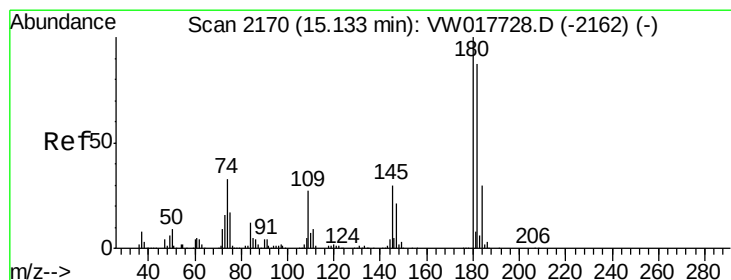
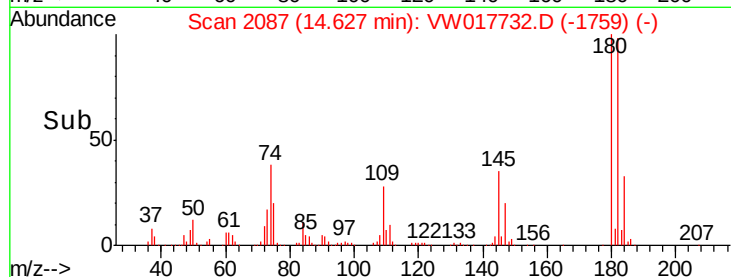
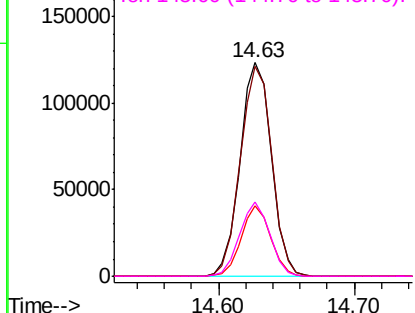
#67
 1,3,5-Trichlorobenzene
 Concen: 25.267 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW017732.D
 Acq: 24 Dec 2020 13:03

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:	180	Resp:	198810
Ion	Ratio	Lower	Upper
180	100		
182	98.2	76.2	114.2
184	31.0	23.6	35.4
145	33.6	25.2	37.8

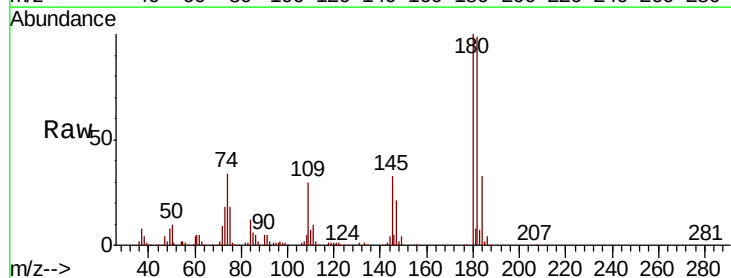


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

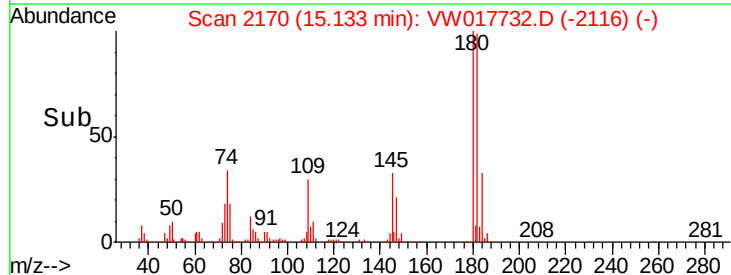
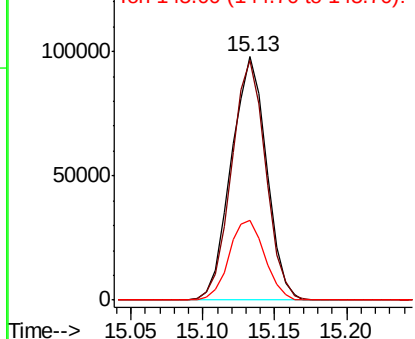


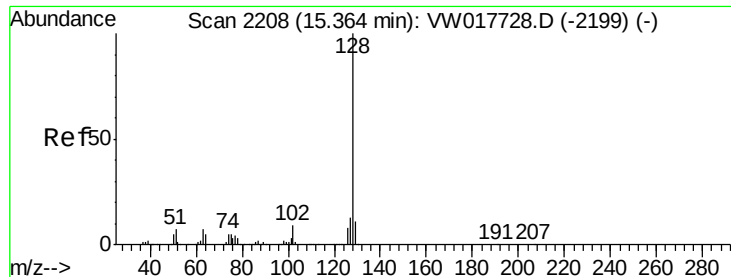
#68
 1,2,4-trichlorobenzene
 Concen: 25.833 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW017732.D
 Acq: 24 Dec 2020 13:03

Tgt Ion:	180	Resp:	167302
Ion	Ratio	Lower	Upper
180	100		
182	95.6	73.0	109.6
145	33.2	25.8	38.6



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: 28.346 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW017732.D

Acq: 24 Dec 2020 13:03

Instrument :

MSVOA_W

ClientSampled :

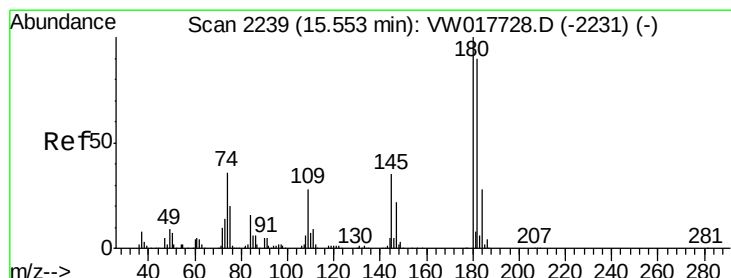
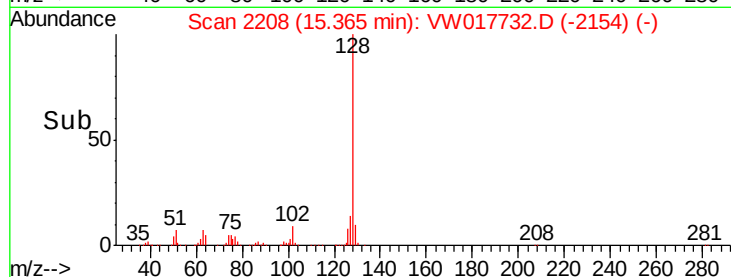
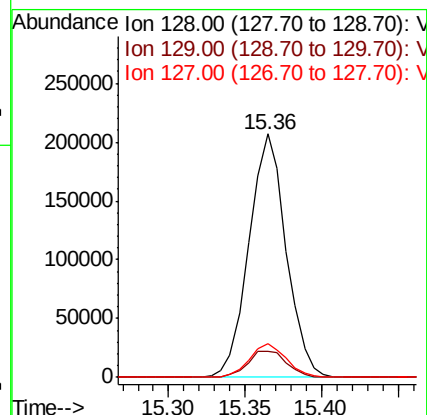
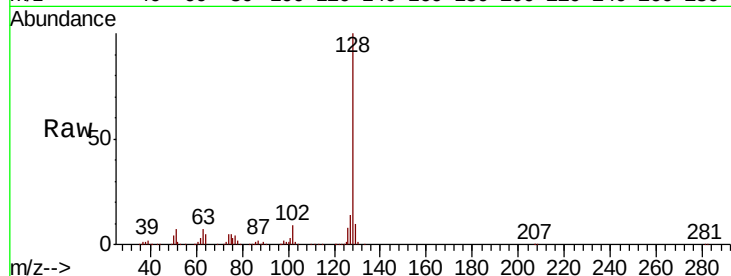
Tot Ion:128 Resp: 349603

Ion Ratio Lower Upper

128 100

129 11.3 8.8 13.2

127 13.5 10.6 15.8



#70

1,2,3-Trichlorobenzene

Concen: 27.697 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW017732.D

Acq: 24 Dec 2020 13:03

Tgt Ion:180 Resp: 151472

Ion Ratio Lower Upper

180 100

182 95.9 74.8 112.2

145 34.5 28.6 43.0

