

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120420\
 Data File : VW017567.D
 Acq On : 04 Dec 2020 19:35
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 20 01:49:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM112420S.M
 Quant Title : VOC Analysis
 QLast Update : Sun Dec 20 01:44:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	393140	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	356253	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	192014	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	111916	21.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.56%
7) Chloroethane-d5	2.89	69	95602	21.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.64%
10) 1,1-Dichloroethene-d2	4.03	63	252272	21.91	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	87.64%
20) 2-Butanone-d5	7.08	46	66784	61.24	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	122.48%
24) Chloroform-d	7.65	84	273418	24.48	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.92%
26) 1,2-Dichloroethane-d4	8.31	65	142609	26.02	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	104.08%
29) Benzene-d6	8.27	84	511024	23.33	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.32%
33) 1,2-Dichloropropane-d6	9.27	67	146302	24.14	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.56%
37) Toluene-d8	10.33	98	468563	23.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.96%
38) trans-1,3-Dichloropropene-	10.58	79	64581	23.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.36%
39) 2-Hexanone-d5	10.93	63	45320	60.40	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	120.80%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	124002	28.43	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	113.72%
61) 1,2-Dichlorobenzene-d4	13.85	152	163493	23.00	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	65758	17.602	ug/L 95
3) Chloromethane	2.22	50	83326	21.665	ug/L 98
5) Vinyl chloride	2.37	62	123456	25.883	ug/L 99
6) Bromomethane	2.79	94	84869	24.710	ug/L 99
8) Chloroethane	2.93	64	79697	24.869	ug/L 98
9) Trichlorofluoromethane	3.27	101	117011	21.424	ug/L 97
11) 1,1,2-Trichloro-1,2,2-trif	4.08	101	136233	24.369	ug/L # 69
12) 1,1-Dichloroethene	4.06	96	127423	23.375	ug/L 93
13) Acetone	4.12	43	48944	46.638	ug/L 93
14) Carbon disulfide	4.40	76	359822	23.077	ug/L 99
15) Methyl Acetate	4.67	43	57475	31.463	ug/L 95
16) Methylene chloride	4.92	84	146619	24.840	ug/L 95
17) Methyl tert-butyl Ether	5.43	73	160865	27.436	ug/L 99
18) trans-1,2-Dichloroethene	5.43	96	134196	23.948	ug/L 97
19) 1,1-Dichloroethane	6.22	63	243261	25.711	ug/L 99
21) 2-Butanone	7.18	43	73002	58.129	ug/L 97
22) cis-1,2-Dichloroethene	7.17	96	147648	25.253	ug/L 97

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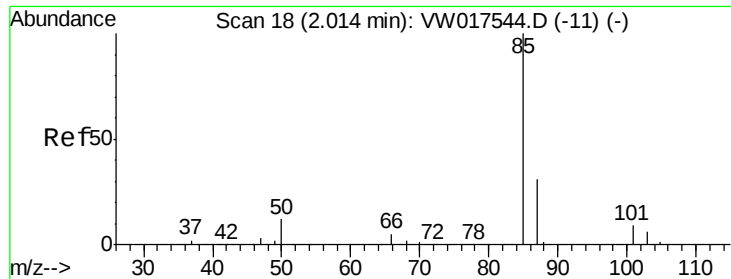
Instrument :
 MSVOA_W
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Quant Time: Dec 20 01:49:27 2020
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	7.51	128	66987	25.223	ug/L	94
25) Chloroform	7.68	83	262164	26.247	ug/L	100
27) 1,2-Dichloroethane	8.40	62	163209	27.132	ug/L	99
30) Cyclohexane	7.96	56	205880	24.228	ug/L	98
31) 1,1,1-Trichloroethane	7.88	97	216947	25.730	ug/L	99
32) Carbon tetrachloride	8.07	117	208848	25.509	ug/L	99
34) Benzene	8.33	78	548055	25.596	ug/L	100
35) Trichloroethene	9.09	95	145060	24.437	ug/L	99
36) Methylcyclohexane	9.34	83	232084	23.643	ug/L	99
40) 1,2-Dichloropropane	9.37	63	136016	27.044	ug/L	99
41) Bromodichloromethane	9.65	83	184791	26.593	ug/L	95
42) cis-1,3-Dichloropropene	10.07	75	210151	26.977	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	137876	59.547	ug/L	99
44) Toluene	10.39	91	589896	25.602	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	183993	27.562	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	103031	27.341	ug/L	96
47) Tetrachloroethene	10.87	164	126954	25.101	ug/L	94
49) 2-Hexanone	10.97	43	103794	63.475	ug/L	90
50) Dibromochloromethane	11.13	129	127083	26.997	ug/L	97
51) 1,2-Dibromoethane	11.24	107	99848	27.647	ug/L #	98
52) Chlorobenzene	11.66	112	384845	25.507	ug/L	96
53) Ethylbenzene	11.73	91	669374	25.622	ug/L	98
54) m,p-Xylene	11.84	106	255108	25.594	ug/L	95
55) o-xylene	12.17	106	238280	25.667	ug/L	97
56) Styrene	12.18	104	411892	26.374	ug/L	98
57) Isopropylbenzene	12.46	105	664102	26.044	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	121292	29.904	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	86899	29.027	ug/L	99
62) Bromoform	12.35	173	70707	25.976	ug/L	97
63) 1,3-Dichlorobenzene	13.50	146	302440	24.427	ug/L	95
64) 1,4-Dichlorobenzene	13.58	146	302102	24.630	ug/L	95
65) 1,2-Dichlorobenzene	13.87	146	270949	25.126	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	19261	27.741	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	199331	22.474	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	168645	23.520	ug/L	93
69) Naphthalene	15.37	128	301532	27.235	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	153855	25.725	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 17.602 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW017567.D

Acq: 04 Dec 2020 19:35

Instrument :

MSVOA_W

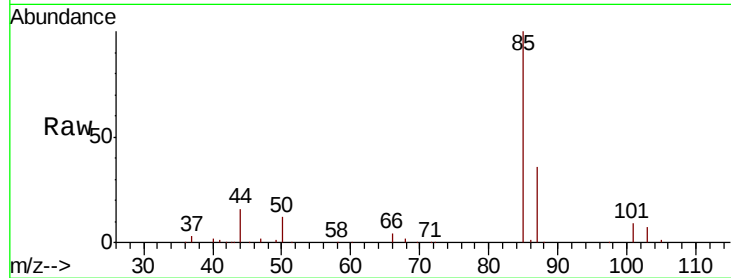
ClientSampled :

Tot Ion: 85 Resp: 65758

Ion Ratio Lower Upper

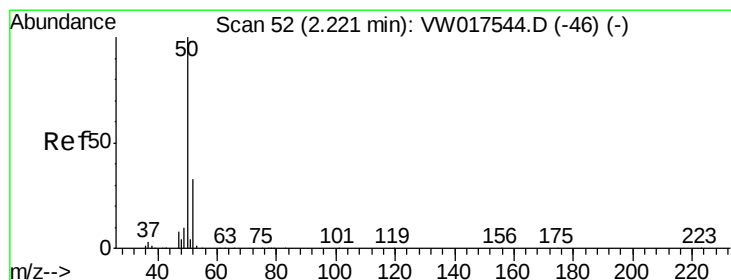
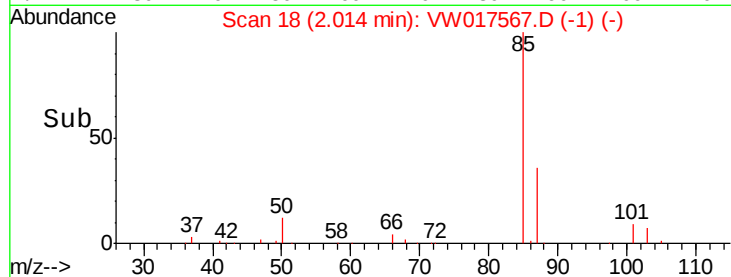
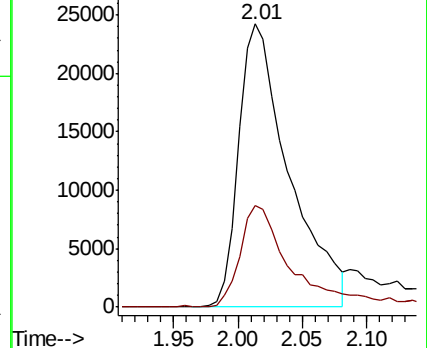
85 100

87 36.1 23.2 43.0



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 21.665 ug/L

RT: 2.22 min Scan# 52

Delta R.T. -0.00 min

Lab File: VW017567.D

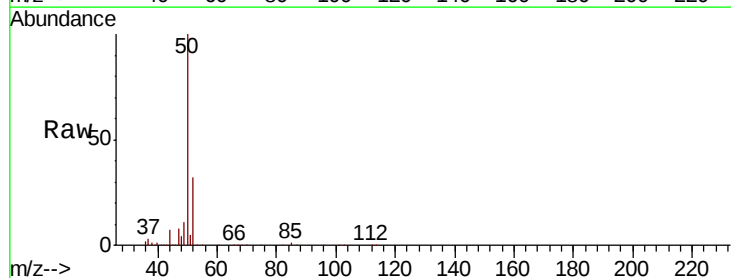
Acq: 04 Dec 2020 19:35

Tgt Ion: 50 Resp: 83326

Ion Ratio Lower Upper

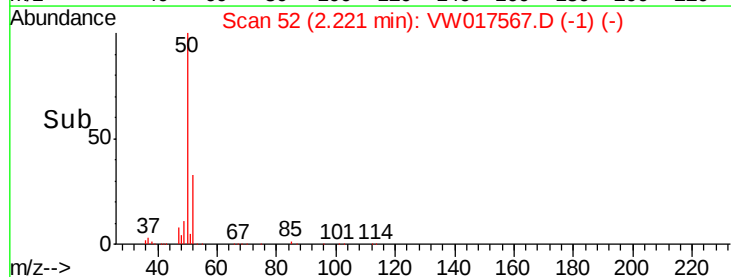
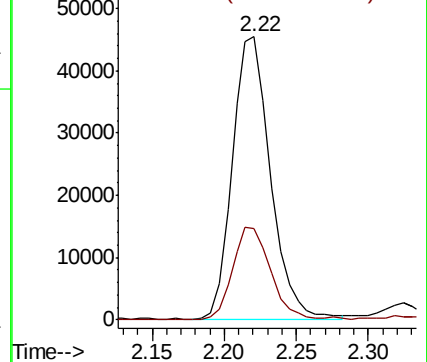
50 100

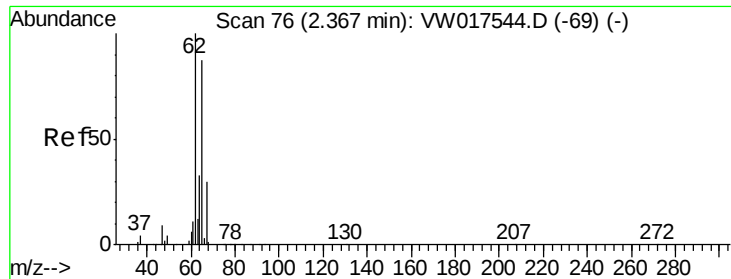
52 32.4 23.4 43.6



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 25.883 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW017567.D

Acq: 04 Dec 2020 19:35

Instrument :

MSVOA_W

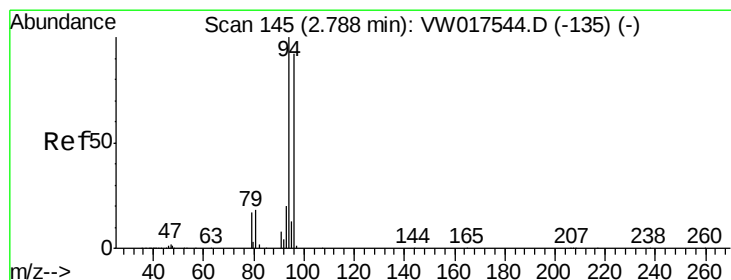
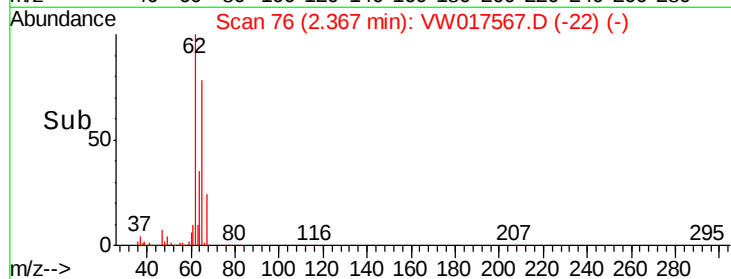
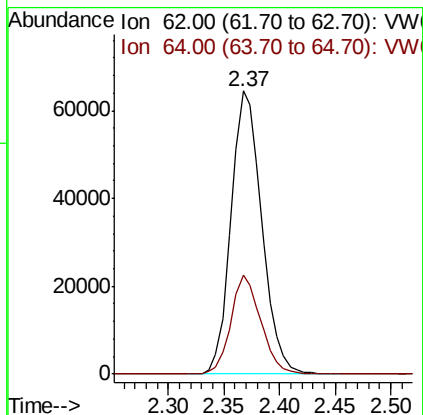
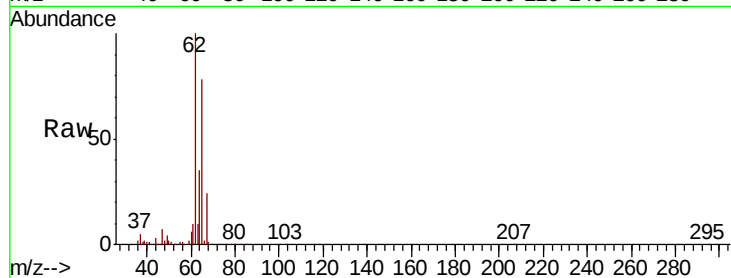
ClientSampleId :

Tot Ion: 62 Resp: 123456

Ion Ratio Lower Upper

62 100

64 34.8 23.9 44.5



#6

Bromomethane

Concen: 24.710 ug/L

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW017567.D

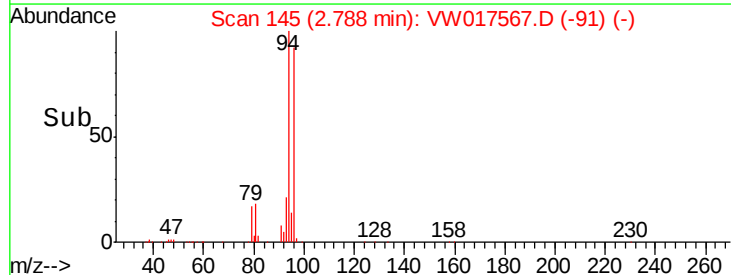
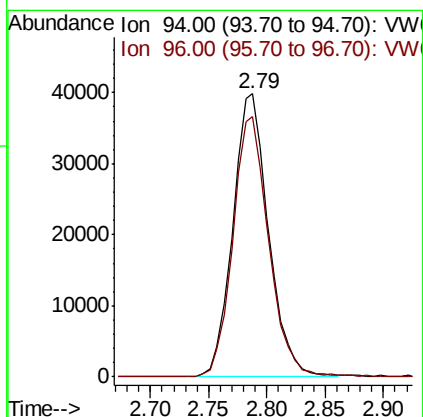
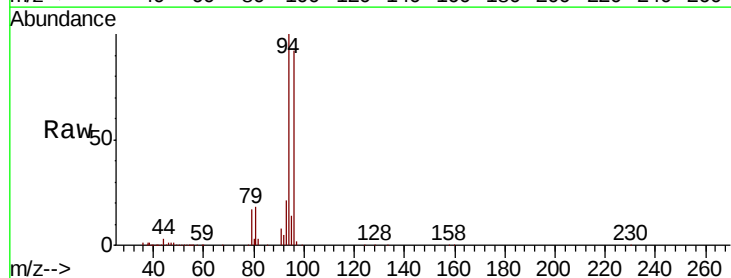
Acq: 04 Dec 2020 19:35

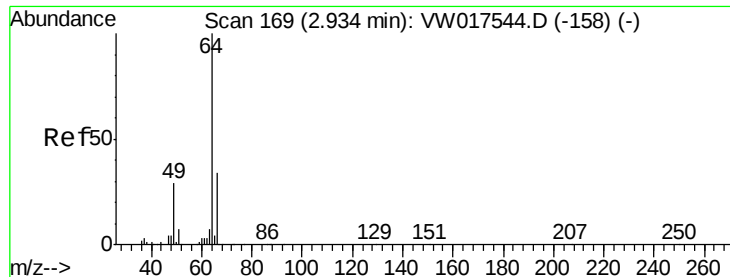
Tgt Ion: 94 Resp: 84869

Ion Ratio Lower Upper

94 100

96 92.7 9.4 178.0

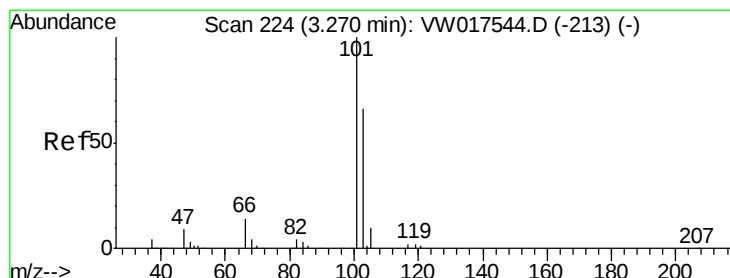
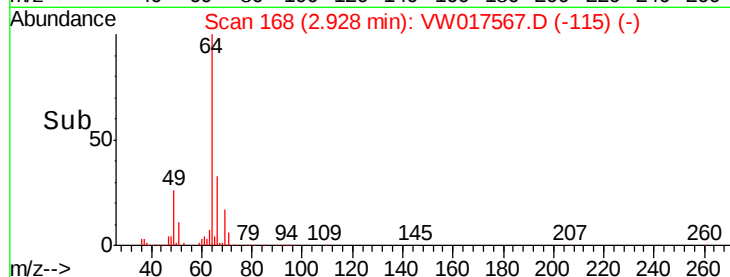
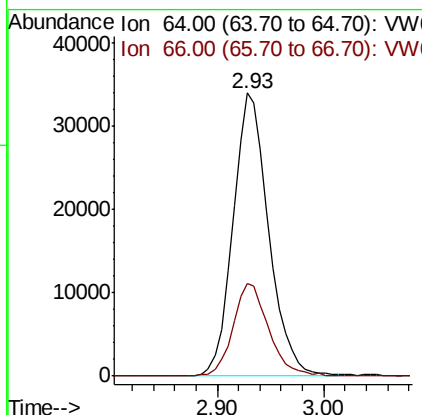
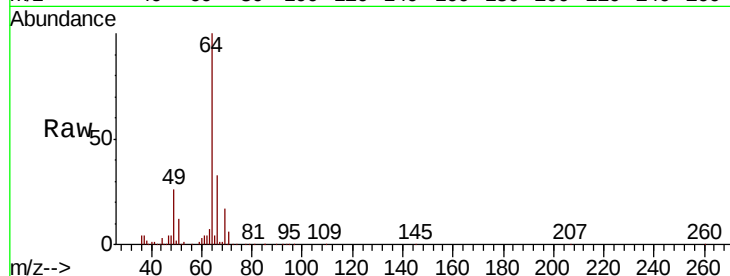




#8
Chloroethane
Concen: 24.869 ug/L
RT: 2.93 min Scan# 168
Delta R.T. -0.01 min
Lab File: VW017567.D
Acq: 04 Dec 2020 19:35

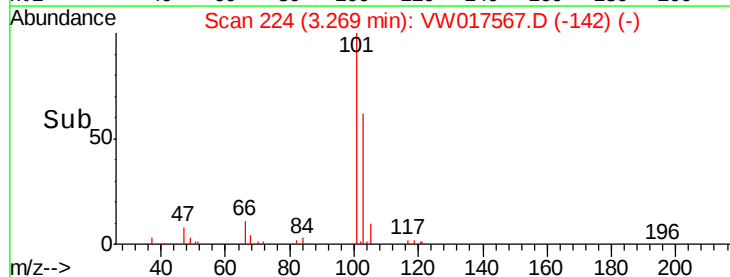
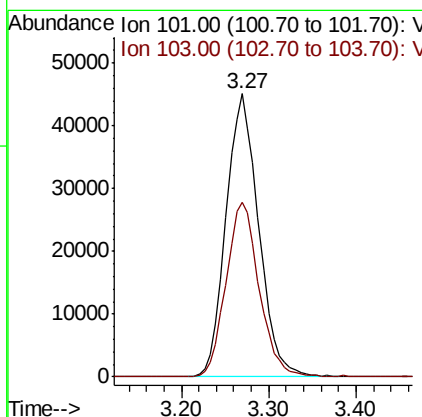
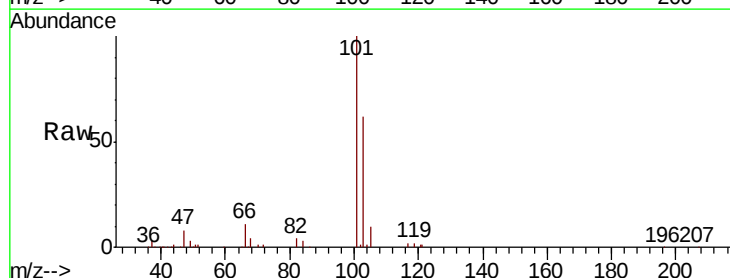
Instrument :
MSVOA_W
ClientSampleId :

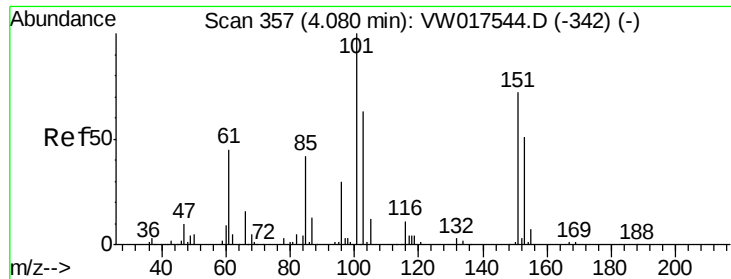
Tot Ion: 64 Resp: 79697
Ion Ratio Lower Upper
64 100
66 32.8 22.0 41.0



#9
Trichlorofluoromethane
Concen: 21.424 ug/L
RT: 3.27 min Scan# 224
Delta R.T. -0.00 min
Lab File: VW017567.D
Acq: 04 Dec 2020 19:35

Tgt Ion: 101 Resp: 117011
Ion Ratio Lower Upper
101 100
103 62.3 45.0 83.6





#11

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

Concen: 24.369 ug/L

RT: 4.08 min Scan# 357

Delta R.T. -0.00 min

Lab File: VW017567.D

Acq: 04 Dec 2020 19:35

Instrument :

MSVOA_W

ClientSampled :

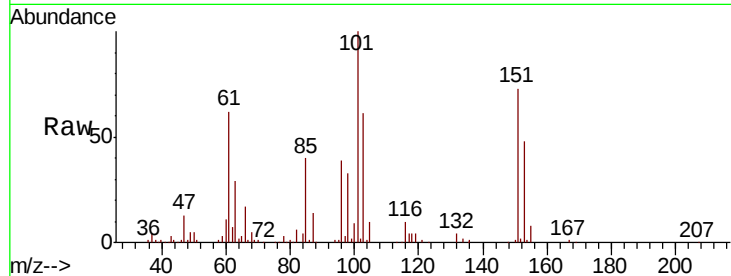
Tot Ion:101 Resp: 136233

Ion Ratio Lower Upper

101 100

85 43.7 34.2 51.4

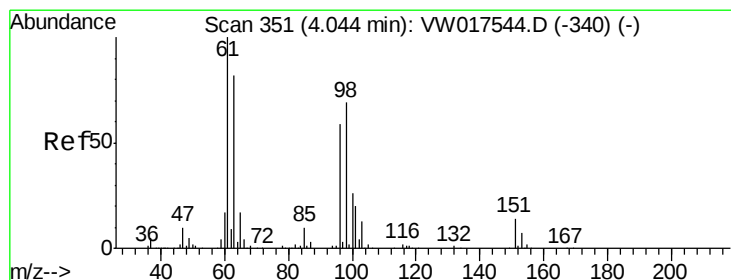
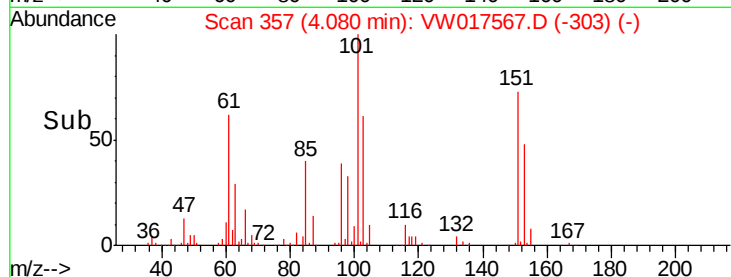
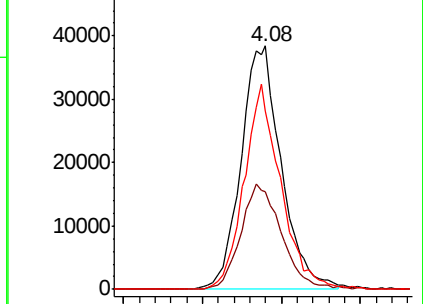
151 76.3 30.4 45.6#



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: 23.375 ug/L

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW017567.D

Acq: 04 Dec 2020 19:35

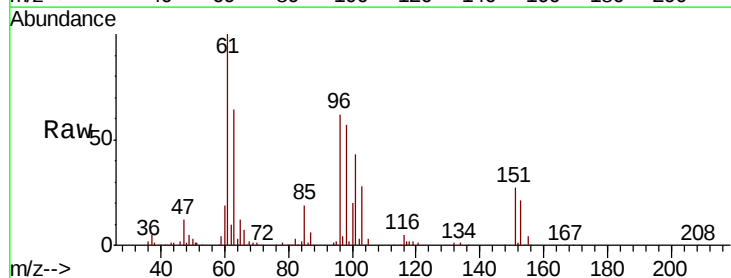
Tgt Ion: 96 Resp: 127423

Ion Ratio Lower Upper

96 100

61 161.8 112.5 208.9

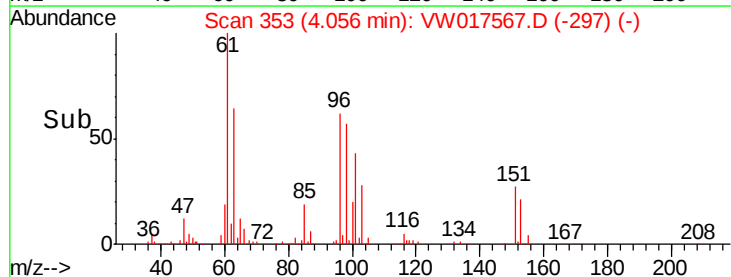
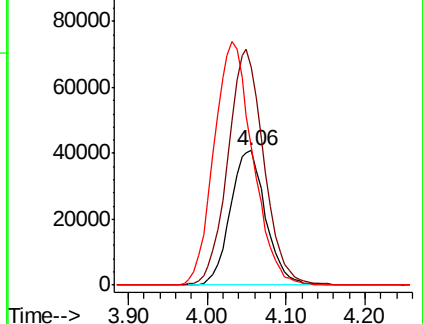
63 102.8 83.1 154.3

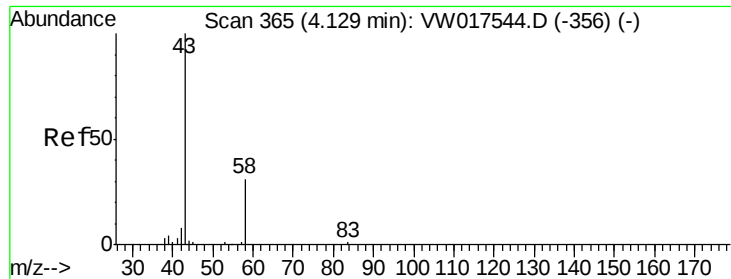


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 46.638 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW017567.D

Acq: 04 Dec 2020 19:35

Instrument :

MSVOA_W

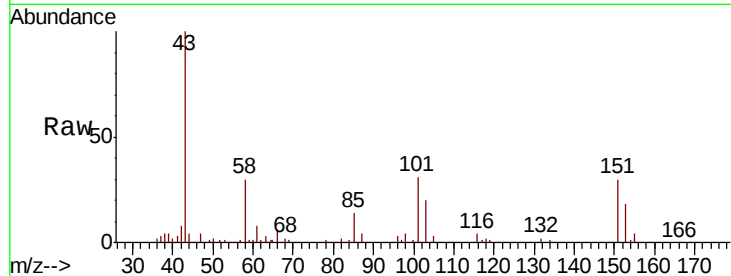
ClientSampled :

Tot Ion: 43 Resp: 48944

Ion Ratio Lower Upper

43 100

58 30.3 0.0 68.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

20000

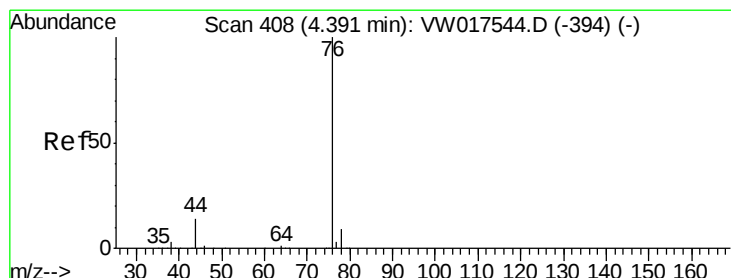
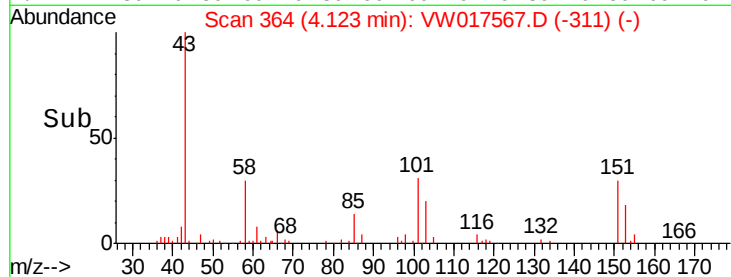
15000

10000

5000

0

Time-->



#14

Carbon disulfide

Concen: 23.077 ug/L

RT: 4.40 min Scan# 409

Delta R.T. 0.01 min

Lab File: VW017567.D

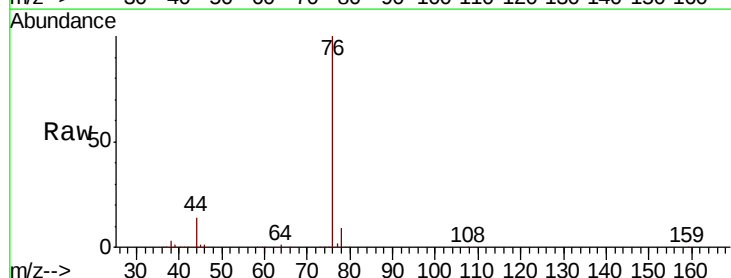
Acq: 04 Dec 2020 19:35

Tgt Ion: 76 Resp: 359822

Ion Ratio Lower Upper

76 100

78 8.9 7.0 10.4



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

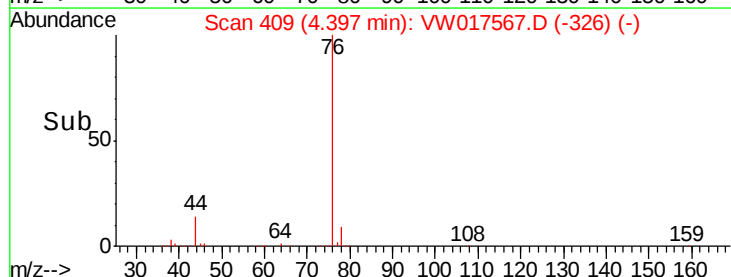
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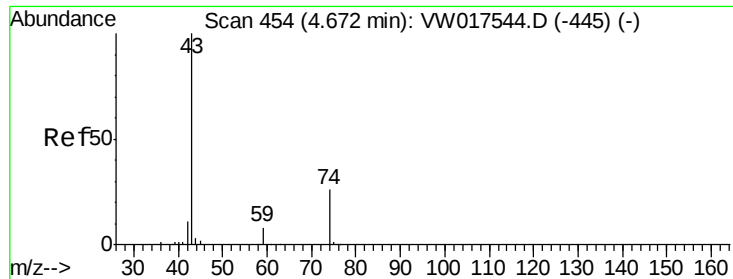
100000

50000

0

Time-->

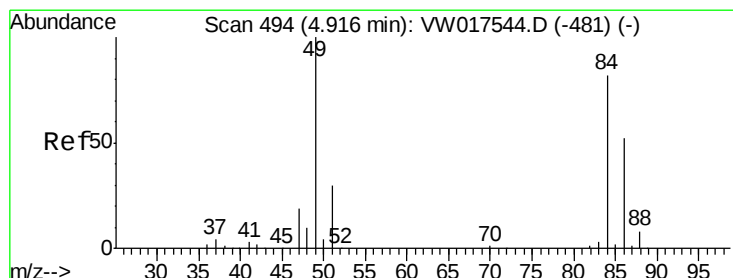
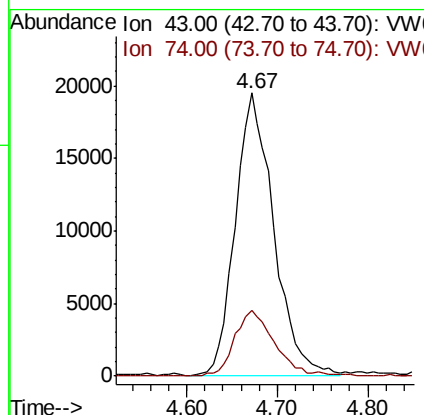
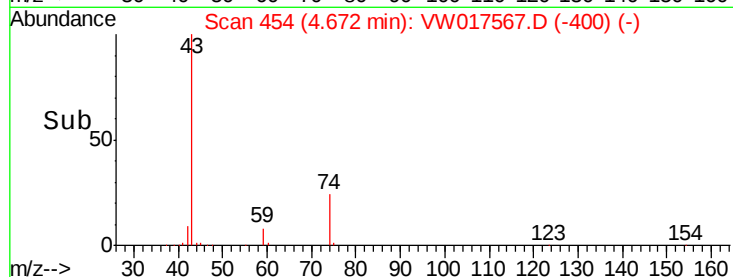
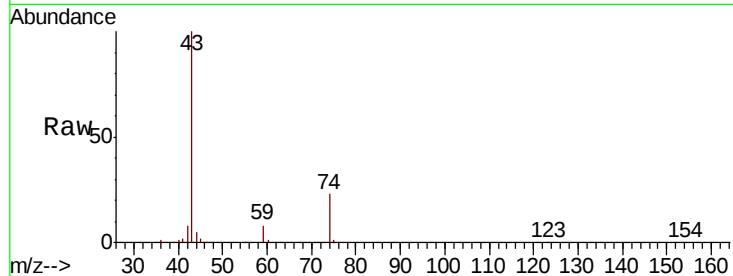




#15
Methyl Acetate
Concen: 31.463 ug/L
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW017567.D
Acq: 04 Dec 2020 19:35

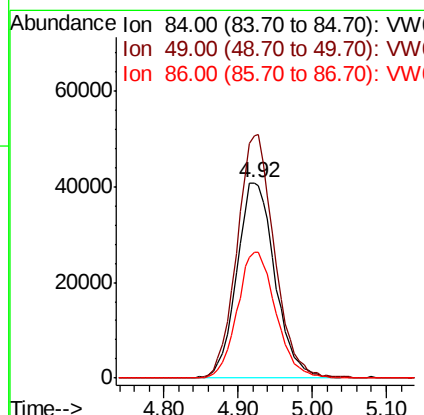
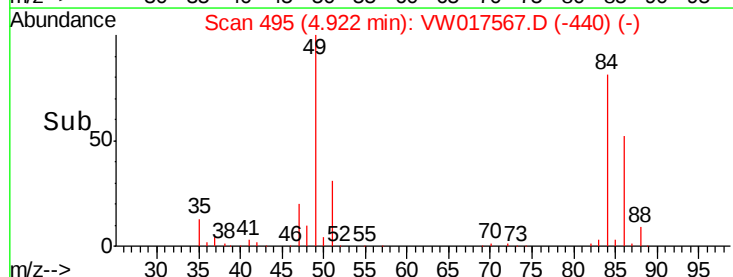
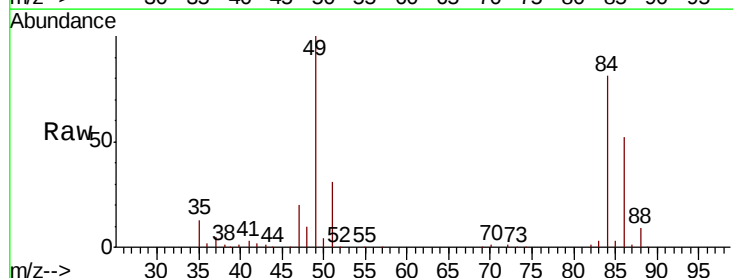
Instrument :
MSVOA_W
ClientSampled :

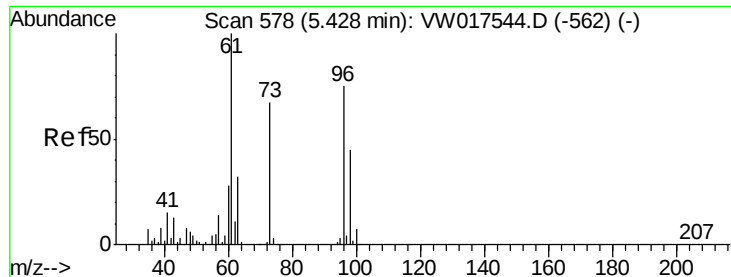
Tot Ion: 43 Resp: 57475
Ion Ratio Lower Upper
43 100
74 23.6 20.7 31.1



#16
Methylene chloride
Concen: 24.840 ug/L
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW017567.D
Acq: 04 Dec 2020 19:35

Tgt Ion: 84 Resp: 146619
Ion Ratio Lower Upper
84 100
49 123.9 81.2 150.8
86 64.4 44.5 82.7

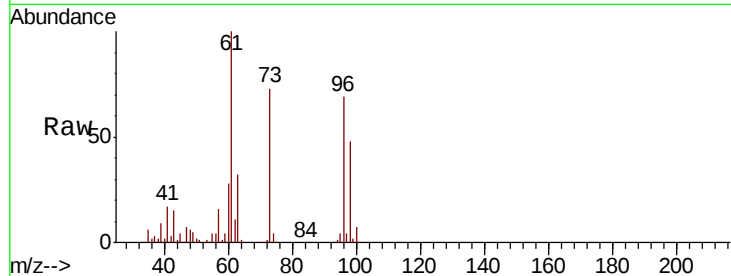




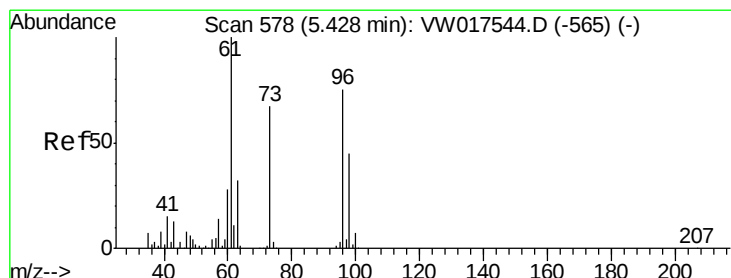
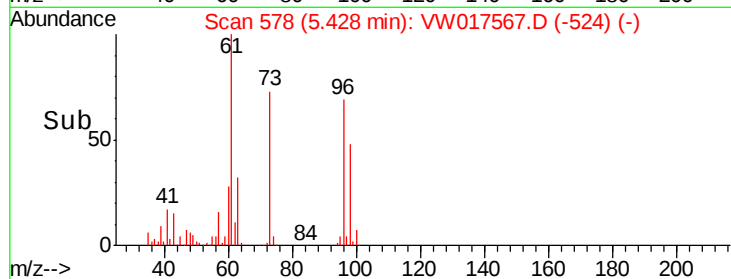
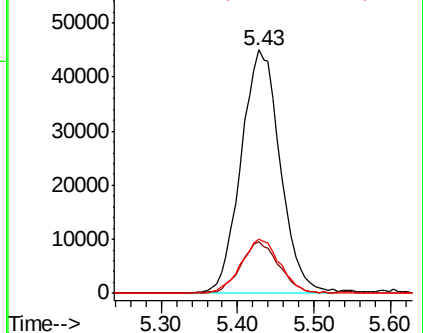
#17
Methvl tert-butvl Ether
Concen: 27.436 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW017567.D
Acq: 04 Dec 2020 19:35

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 73 Resp: 160865
Ion Ratio Lower Upper
73 100
43 20.3 16.2 24.4
57 21.9 17.2 25.8

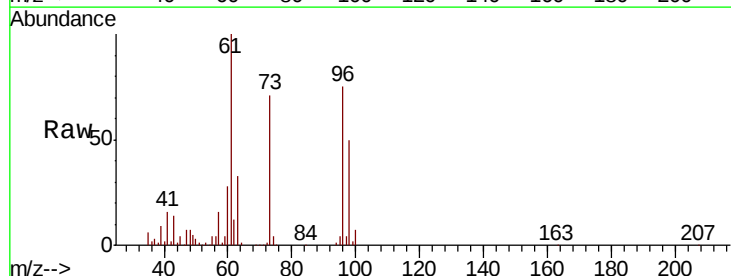


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

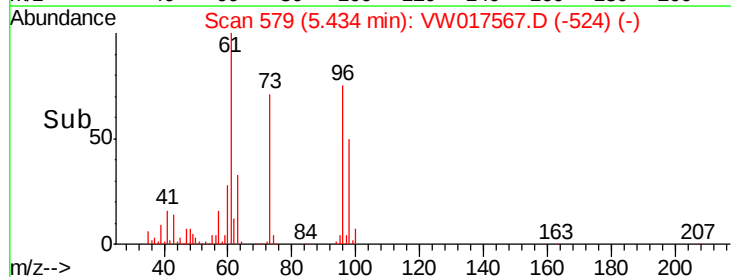
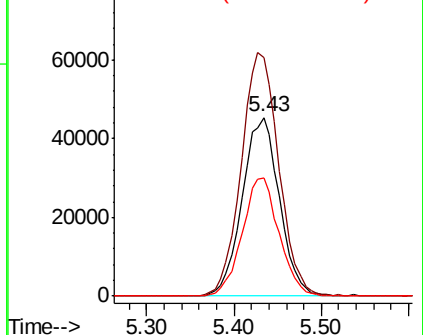


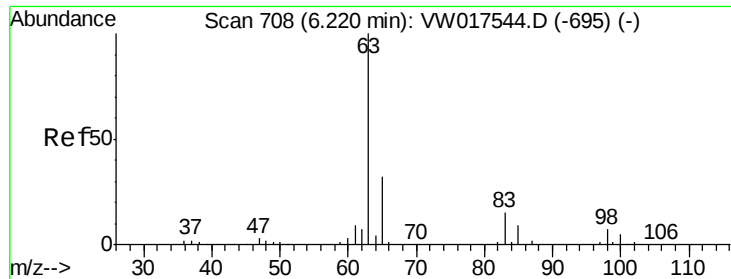
#18
trans-1,2-Dichloroethene
Concen: 23.948 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW017567.D
Acq: 04 Dec 2020 19:35

Tgt Ion: 96 Resp: 134196
Ion Ratio Lower Upper
96 100
61 133.7 92.7 172.1
98 66.5 43.3 80.3



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

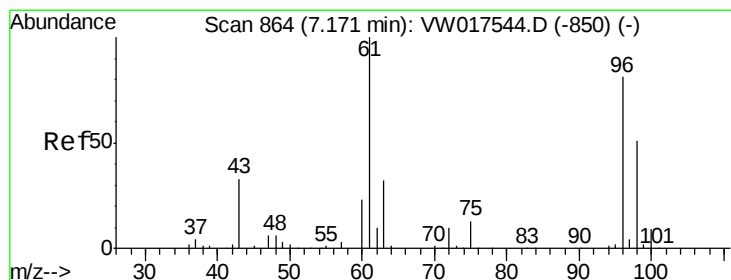
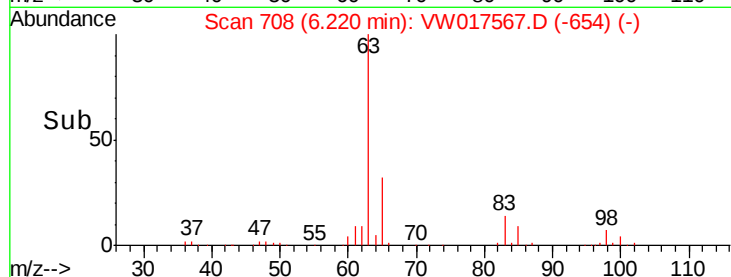
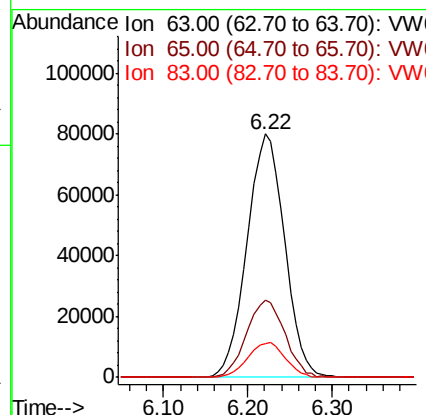
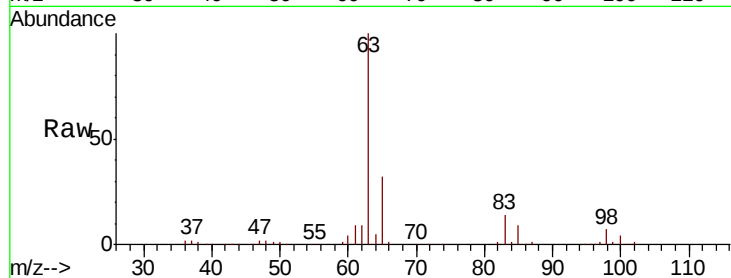




#19
 1,1-Dichloroethane
 Concen: 25.711 ug/L
 RT: 6.22 min Scan# 708
 Delta R.T. -0.00 min
 Lab File: VW017567.D
 Acq: 04 Dec 2020 19:35

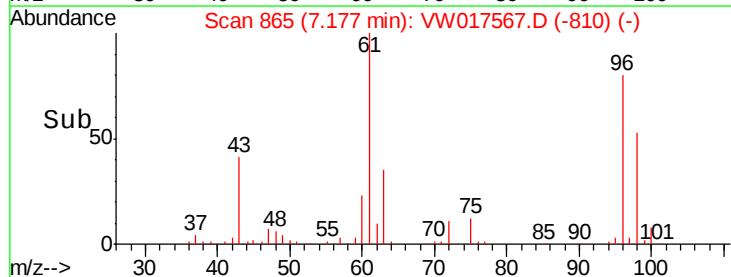
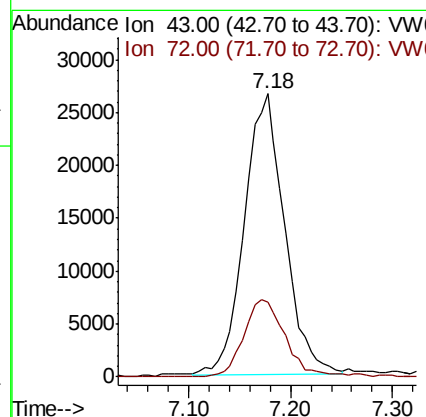
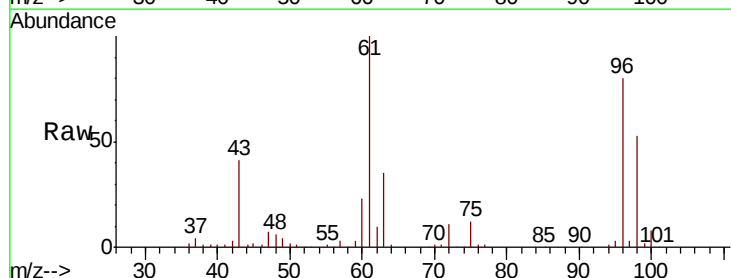
Instrument :
 MSVOA_W
 ClientSampled :

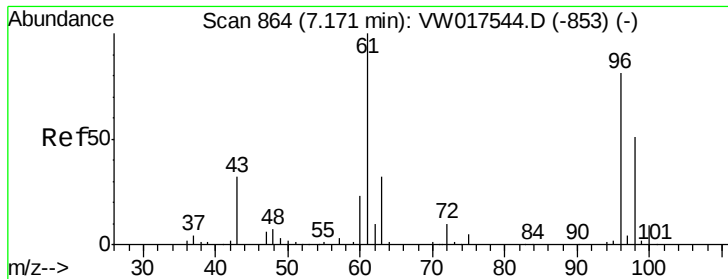
Tot Ion: 63 Resp: 243261
 Ion Ratio Lower Upper
 63 100
 65 31.9 21.9 40.7
 83 14.0 9.4 17.6



#21
 2-Butanone
 Concen: 58.129 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VW017567.D
 Acq: 04 Dec 2020 19:35

Tgt Ion: 43 Resp: 73002
 Ion Ratio Lower Upper
 43 100
 72 27.3 14.4 43.2



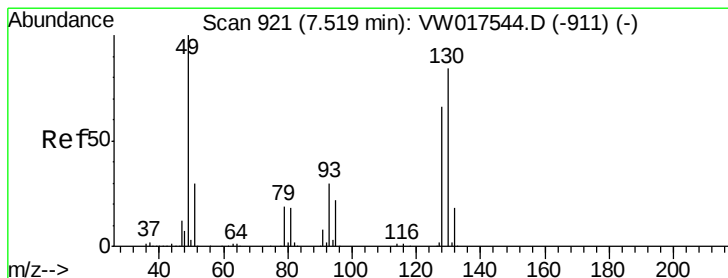
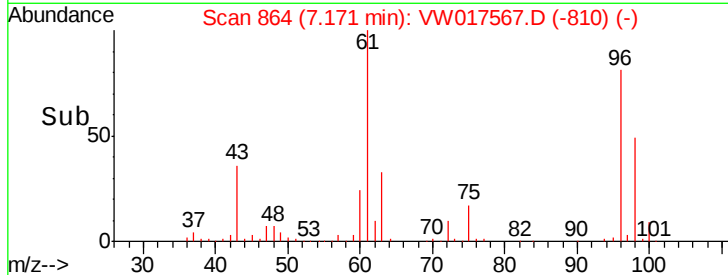
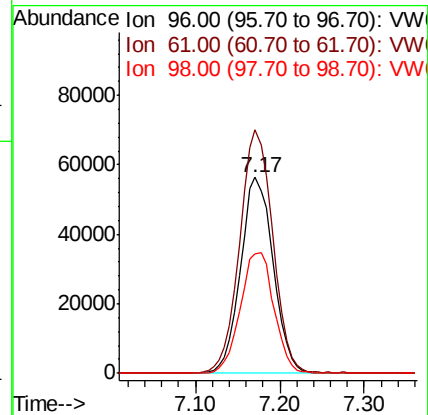
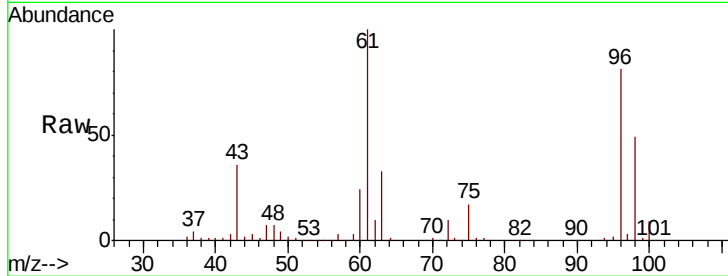


#22

cis-1,2-Dichloroethene
Concen: 25.253 ug/L
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW017567.D
Acq: 04 Dec 2020 19:35

Instrument :
MSVOA_W
ClientSampleId :

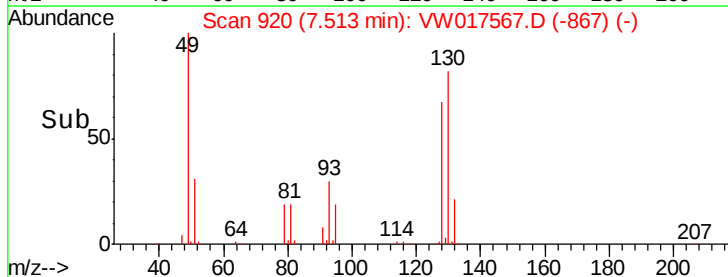
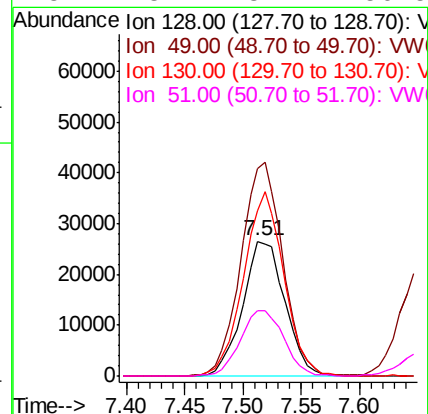
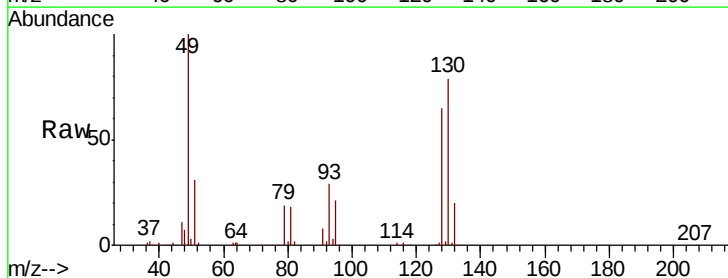
Tot Ion: 96 Resp: 147648
Ion Ratio Lower Upper
96 100
61 124.1 84.6 157.2
98 61.0 44.7 82.9

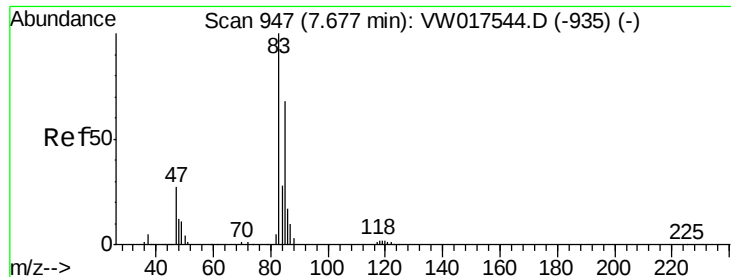


#23

Bromochloromethane
Concen: 25.223 ug/L
RT: 7.51 min Scan# 920
Delta R.T. -0.01 min
Lab File: VW017567.D
Acq: 04 Dec 2020 19:35

Tgt Ion: 128 Resp: 66987
Ion Ratio Lower Upper
128 100
49 154.5 101.6 188.6
130 122.6 90.4 167.8
51 48.2 37.7 56.5

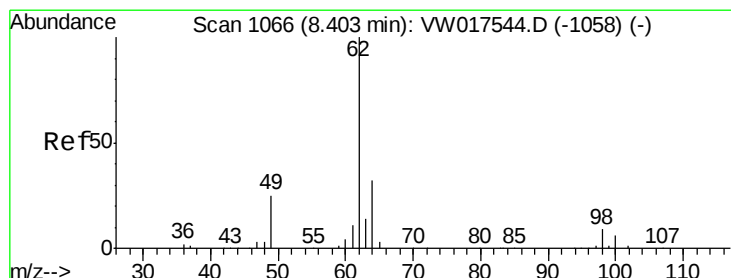
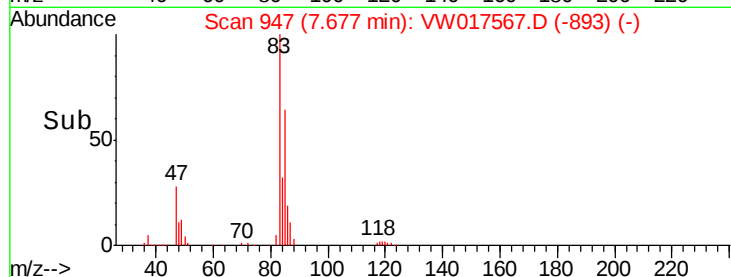
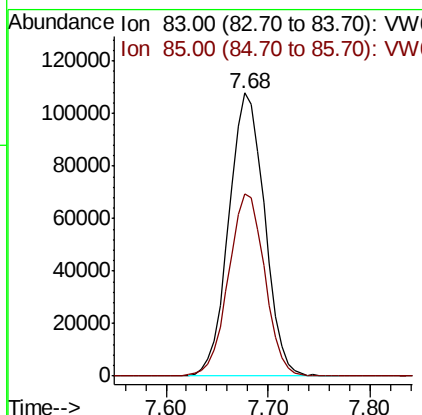
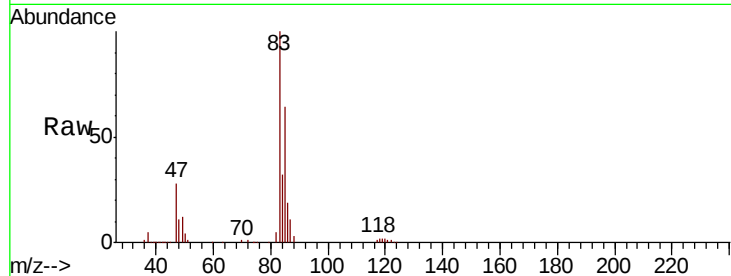




#25
Chloroform
Concen: 26.247 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW017567.D
Acq: 04 Dec 2020 19:35

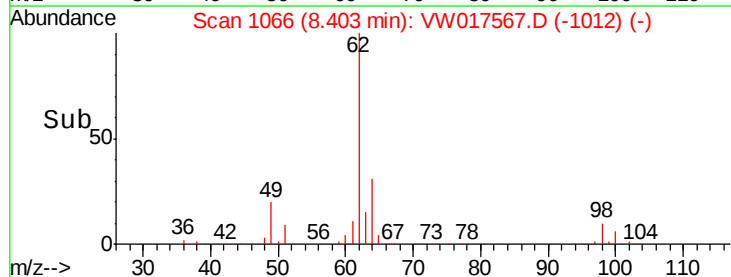
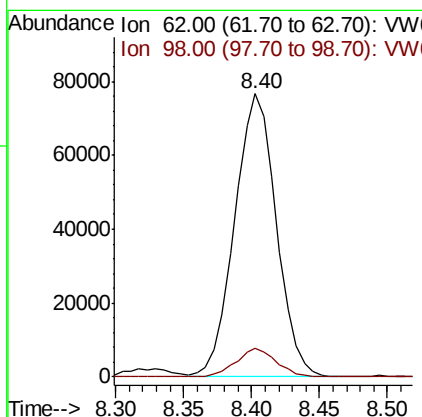
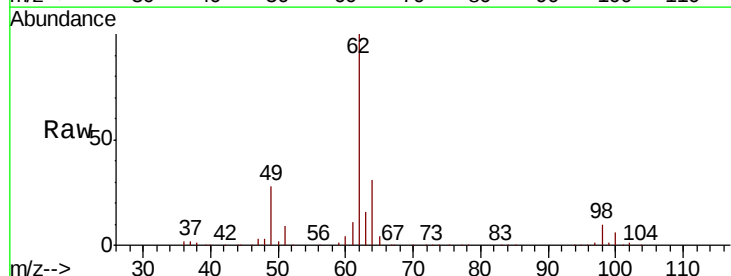
Instrument :
MSVOA_W
ClientSampleId :

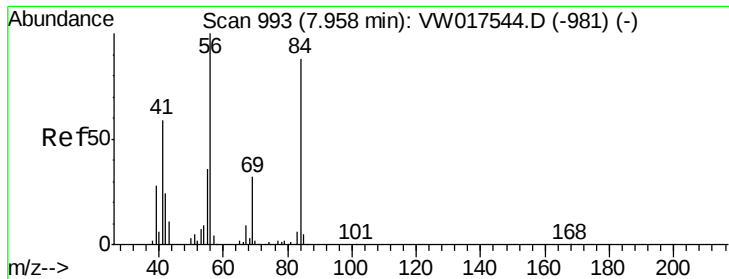
Tot Ion: 83 Resp: 262164
Ion Ratio Lower Upper
83 100
85 65.0 45.7 84.9



#27
1,2-Dichloroethane
Concen: 27.132 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW017567.D
Acq: 04 Dec 2020 19:35

Tgt Ion: 62 Resp: 163209
Ion Ratio Lower Upper
62 100
98 10.2 8.0 12.0

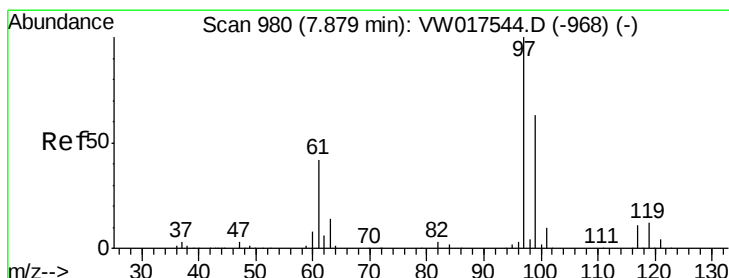
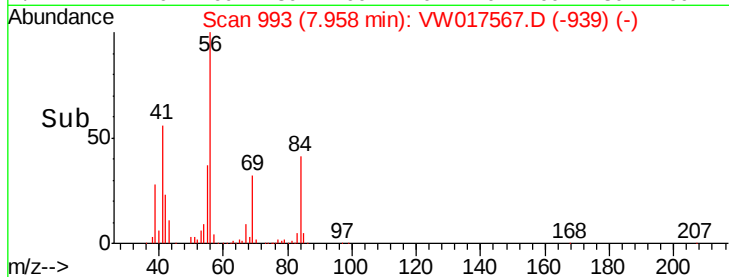
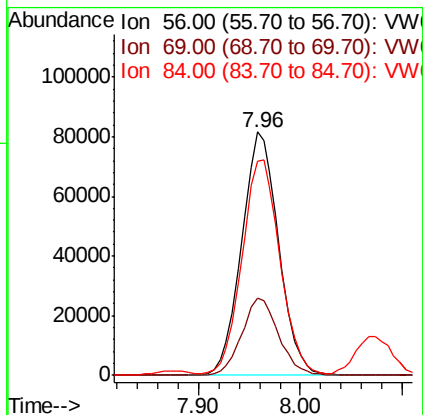
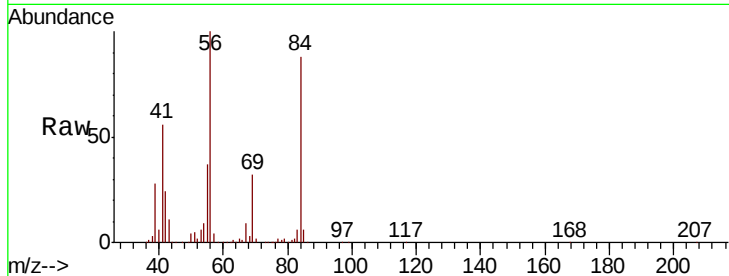




#30
Cyclohexane
Concen: 24.228 ug/L
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW017567.D
Acq: 04 Dec 2020 19:35

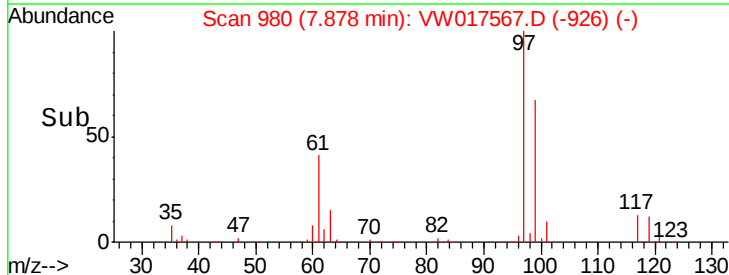
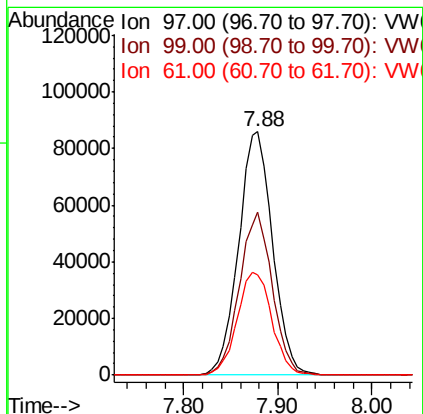
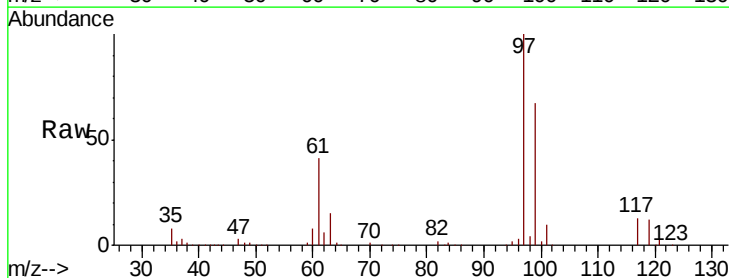
Instrument :
MSVOA_W
ClientSampled :

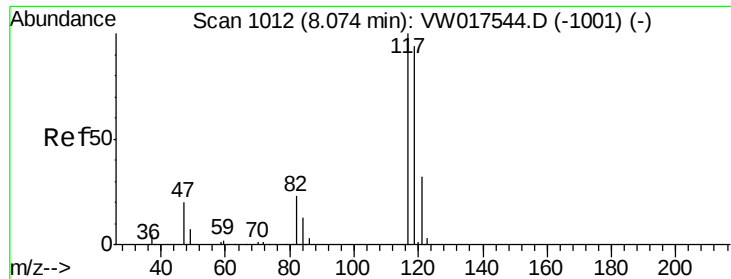
Tot Ion: 56 Resp: 205880
Ion Ratio Lower Upper
56 100
69 31.4 24.8 37.2
84 90.9 74.2 111.4



#31
1,1,1-Trichloroethane
Concen: 25.730 ug/L
RT: 7.88 min Scan# 980
Delta R.T. -0.00 min
Lab File: VW017567.D
Acq: 04 Dec 2020 19:35

Tgt Ion: 97 Resp: 216947
Ion Ratio Lower Upper
97 100
99 64.7 51.0 76.4
61 43.1 33.6 50.4





#32

Carbon tetrachloride

Concen: 25.509 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VW017567.D

Acq: 04 Dec 2020 19:35

Instrument :

MSVOA_W

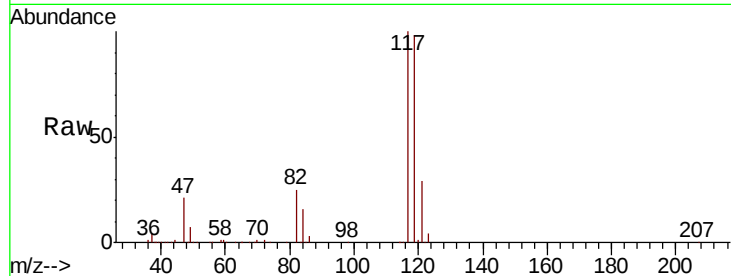
ClientSampleId :

Tot Ion:117 Resp: 208848

Ion Ratio Lower Upper

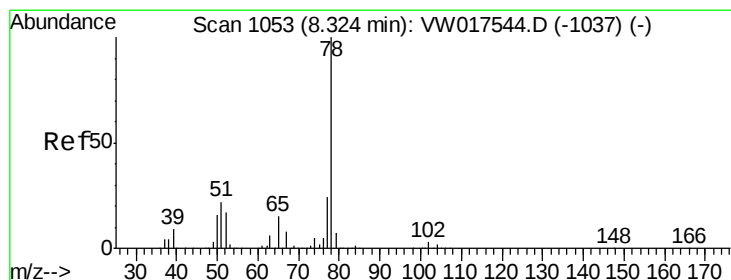
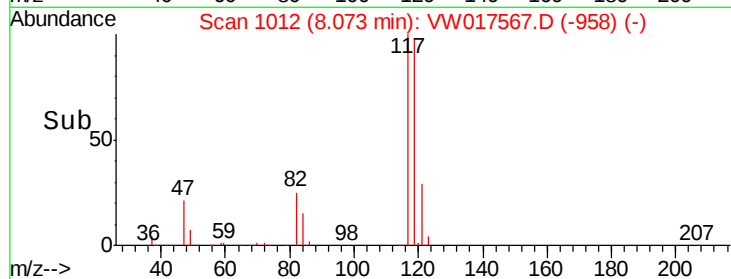
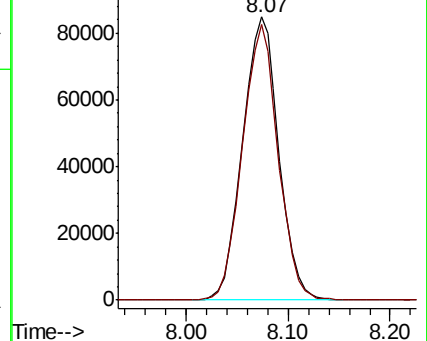
117 100

119 95.8 75.8 113.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.596 ug/L

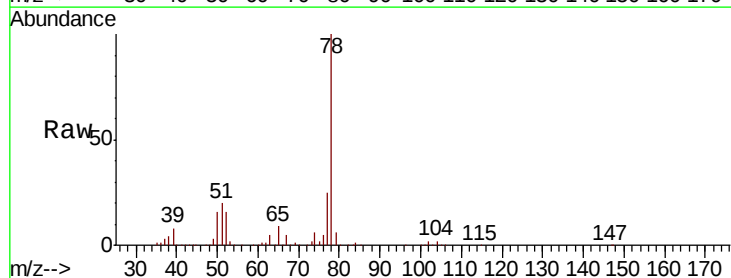
RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

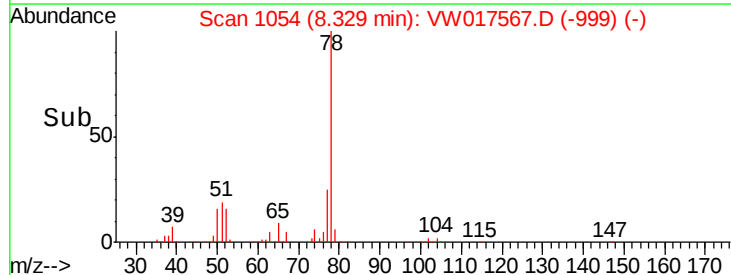
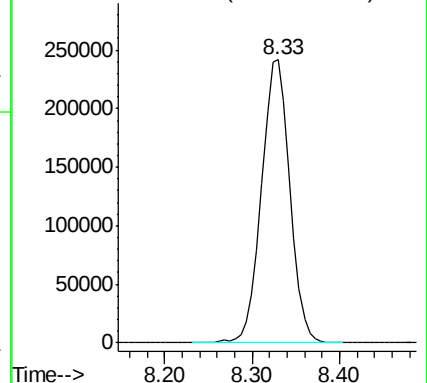
Lab File: VW017567.D

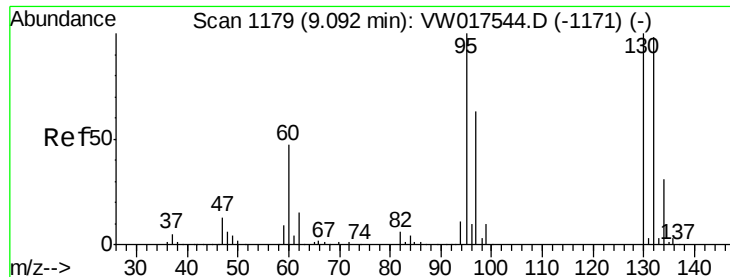
Acq: 04 Dec 2020 19:35

Tgt Ion: 78 Resp: 548055



Abundance Ion 78.00 (77.70 to 78.70): VW

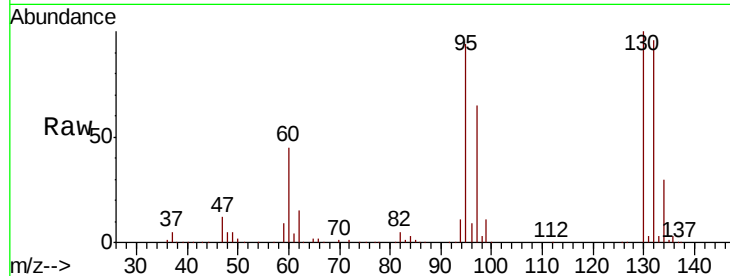




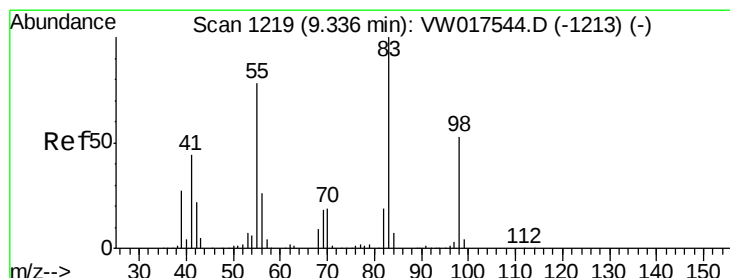
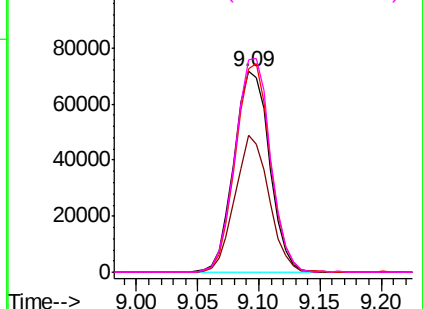
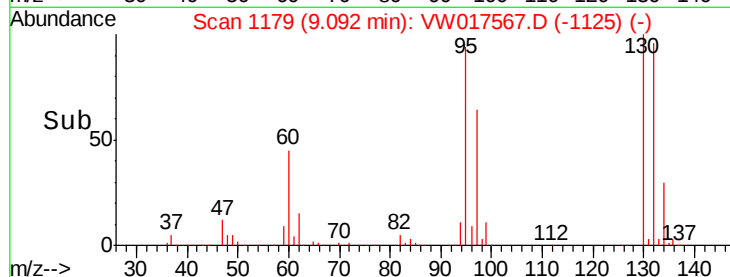
#35
 Trichloroethene
 Concen: 24.437 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW017567.D
 Acq: 04 Dec 2020 19:35

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion: 95 Resp: 145060
 Ion Ratio Lower Upper
 95 100
 97 65.2 45.0 83.6
 132 101.3 71.0 131.8
 130 105.8 75.6 140.4

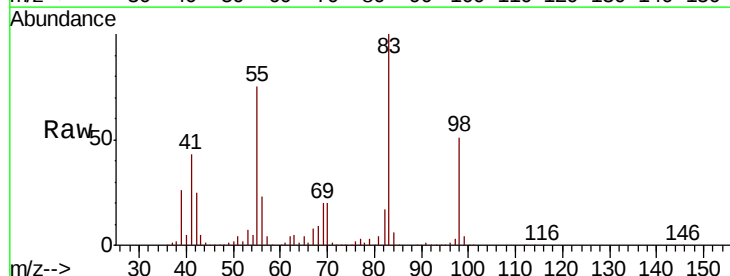


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

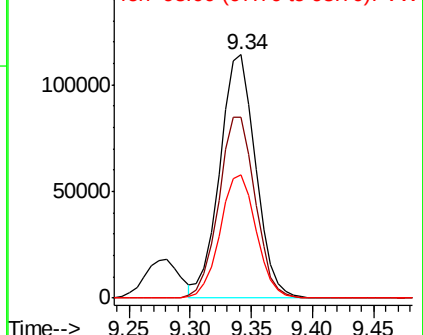
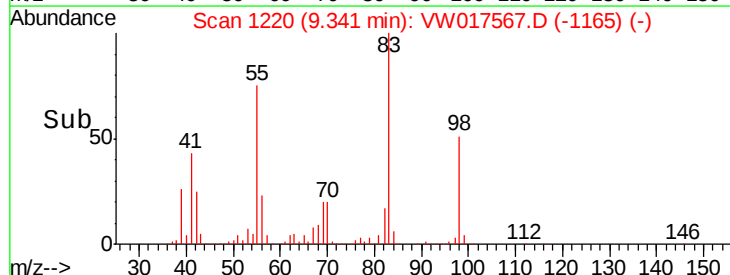


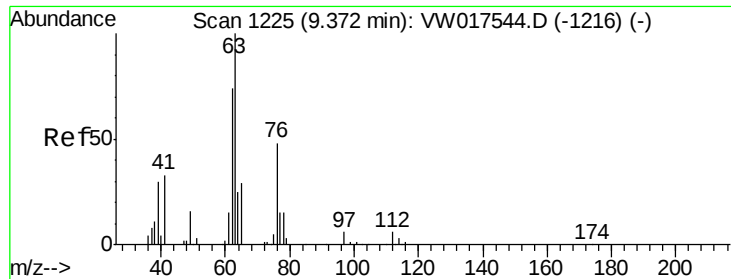
#36
 Methylcyclohexane
 Concen: 23.643 ug/L
 RT: 9.34 min Scan# 1220
 Delta R.T. 0.01 min
 Lab File: VW017567.D
 Acq: 04 Dec 2020 19:35

Tgt Ion: 83 Resp: 232084
 Ion Ratio Lower Upper
 83 100
 55 75.6 59.4 89.0
 98 51.1 40.7 61.1



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

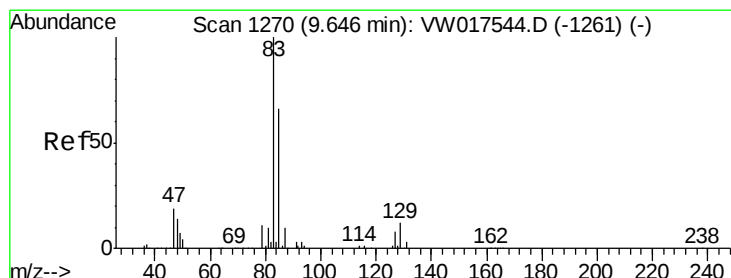
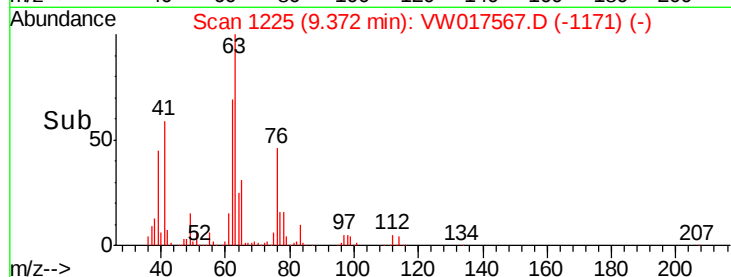
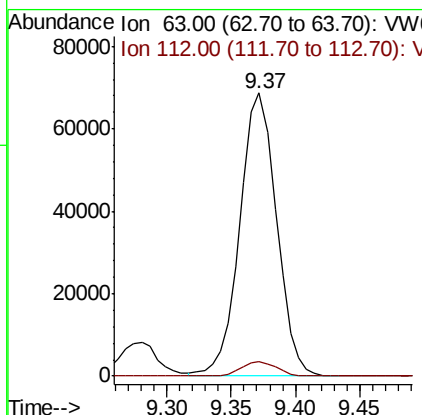
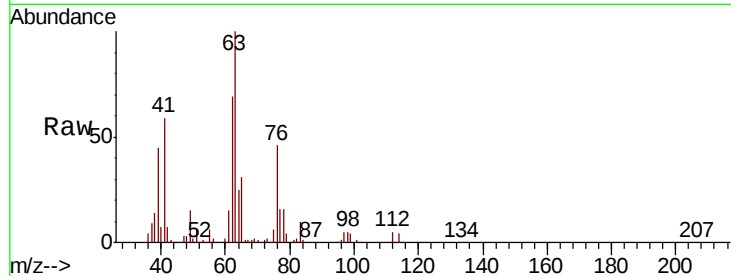




#40
 1,2-Dichloropropane
 Concen: 27.044 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW017567.D
 Acq: 04 Dec 2020 19:35

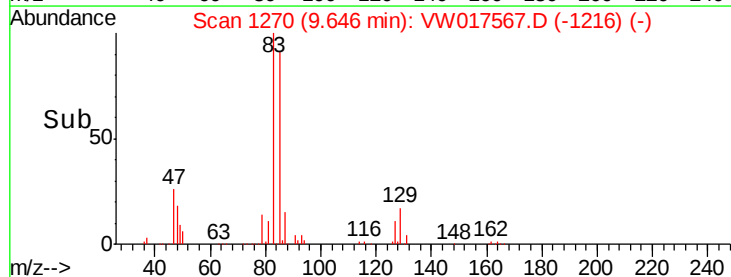
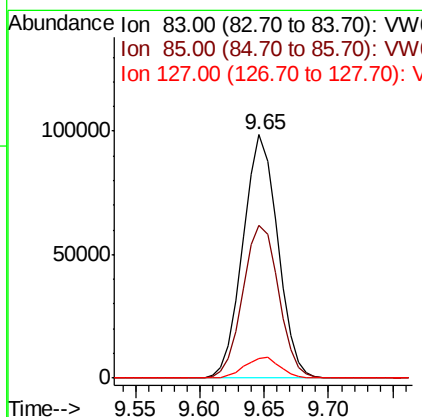
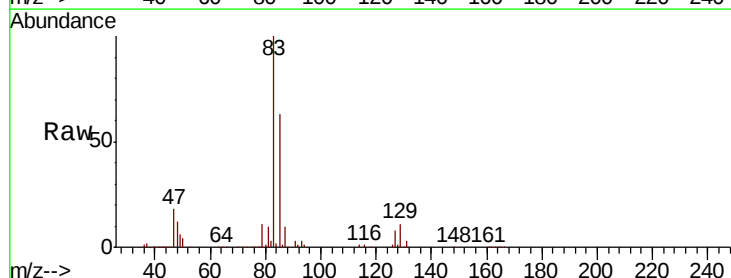
Instrument :
 MSVOA_W
 ClientSampled :

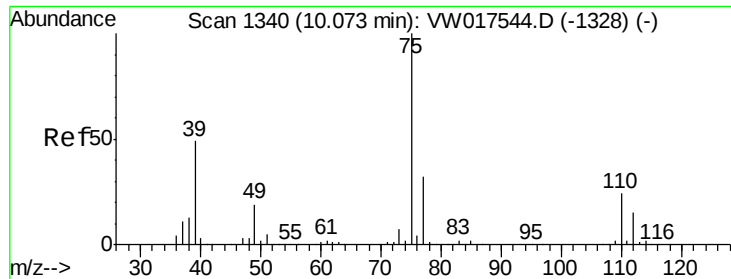
Tot Ion: 63 Resp: 136016
 Ion Ratio Lower Upper
 63 100
 112 4.9 4.2 6.4



#41
 Bromodichloromethane
 Concen: 26.593 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW017567.D
 Acq: 04 Dec 2020 19:35

Tgt Ion: 83 Resp: 184791
 Ion Ratio Lower Upper
 83 100
 85 63.0 46.8 86.8
 127 7.9 7.6 11.4





#42

cis-1,3-Dichloropropene

Concen: 26.977 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW017567.D

Acq: 04 Dec 2020 19:35

Instrument :

MSVOA_W

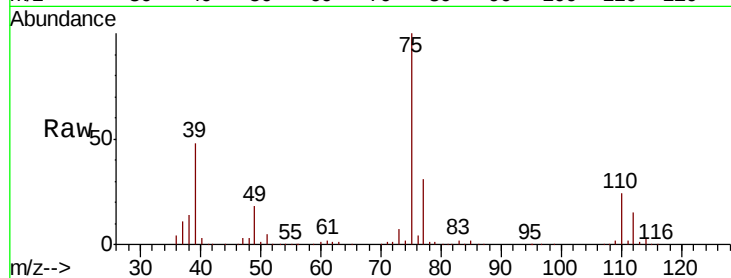
ClientSampleId :

Tot Ion: 75 Resp: 210151

Ion Ratio Lower Upper

75 100

77 30.8 22.7 42.3



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.07

120000

100000

80000

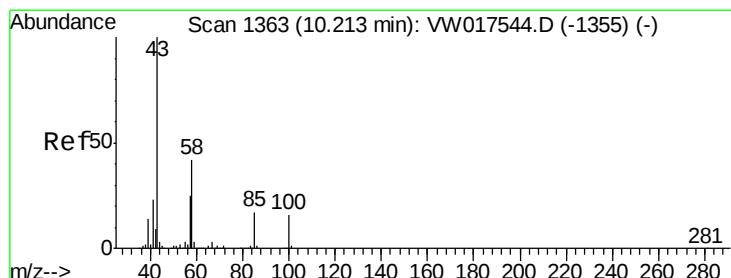
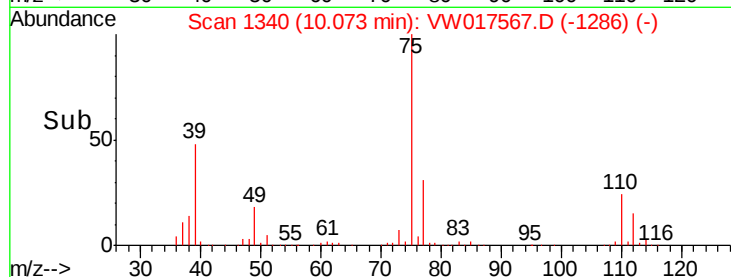
60000

40000

20000

0

Time-->



#43

4-Methyl-2-pentanone

Concen: 59.547 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW017567.D

Acq: 04 Dec 2020 19:35

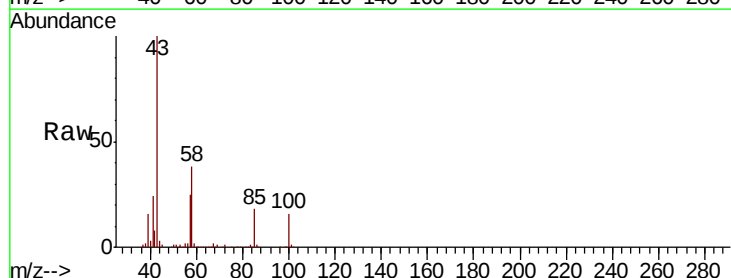
Tgt Ion: 43 Resp: 137876

Ion Ratio Lower Upper

43 100

58 39.2 31.6 47.4

100 16.4 14.1 21.1



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

10.21

100000

80000

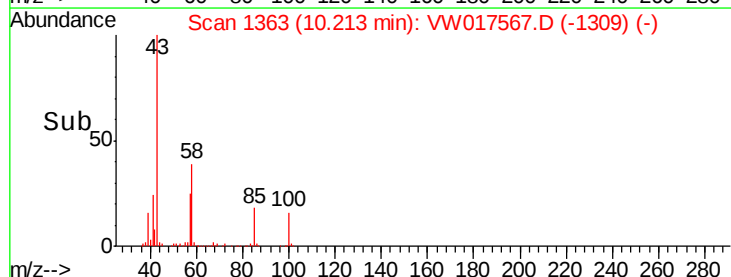
60000

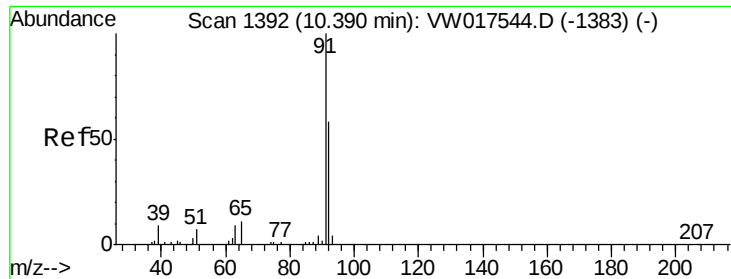
40000

20000

0

Time-->





#44

Toluene

Concen: 25.602 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW017567.D

Acq: 04 Dec 2020 19:35

Instrument :

MSVOA_W

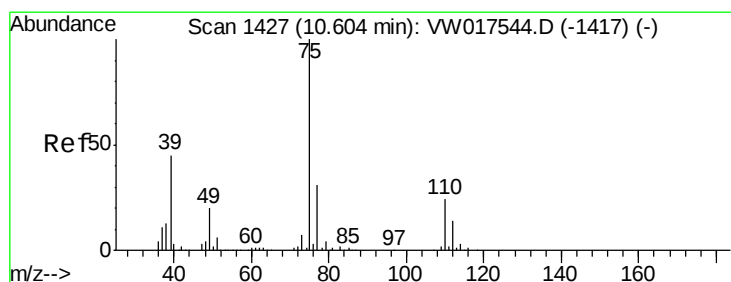
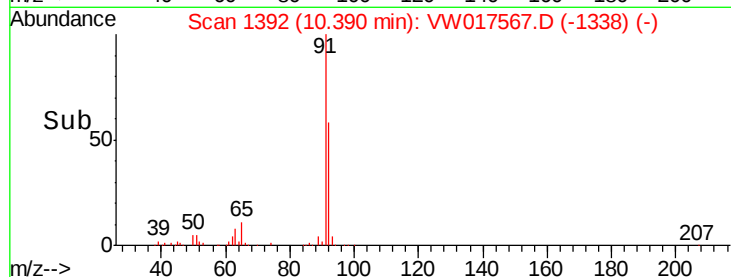
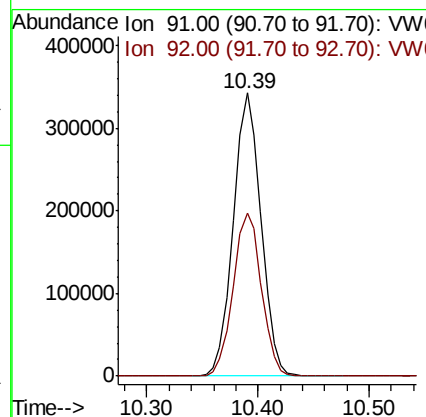
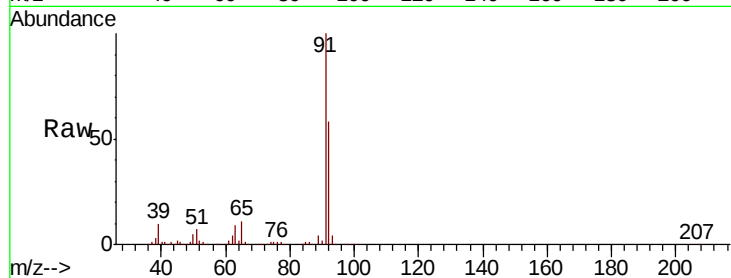
ClientSampleId :

Tot Ion: 91 Resp: 589896

Ion Ratio Lower Upper

91 100

92 57.8 41.6 77.3



#45

trans-1,3-Dichloropropene

Concen: 27.562 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.01 min

Lab File: VW017567.D

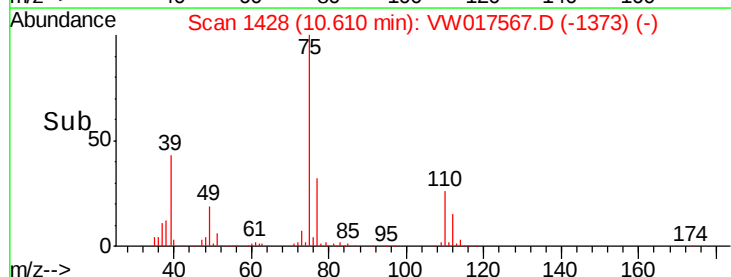
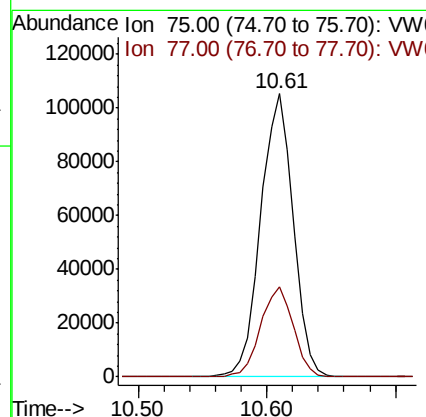
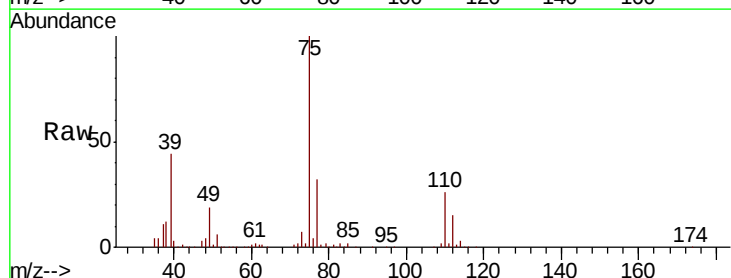
Acq: 04 Dec 2020 19:35

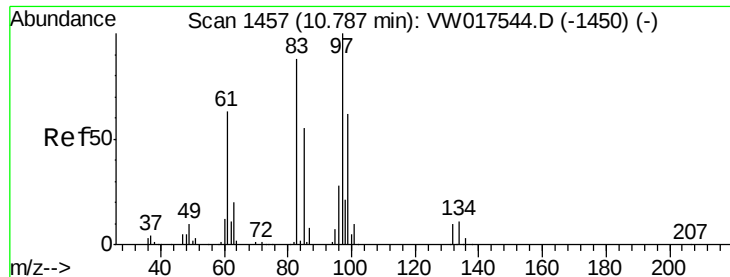
Tgt Ion: 75 Resp: 183993

Ion Ratio Lower Upper

75 100

77 31.9 22.6 42.0





#46

1,1,2-Trichloroethane

Concen: 27.341 ug/L

RT: 10.79 min Scan# 1458

Delta R.T. 0.01 min

Lab File: VW017567.D

Acq: 04 Dec 2020 19:35

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 103031

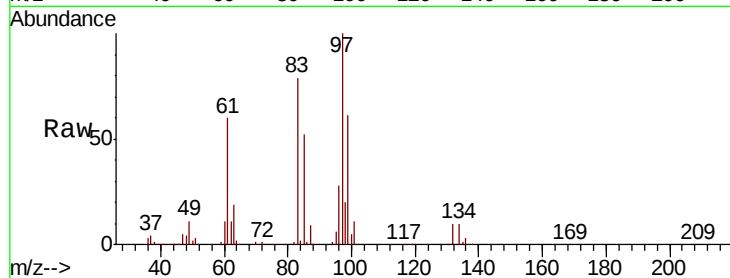
Ion Ratio Lower Upper

97 100

83 79.0 58.5 108.7

85 51.6 37.8 70.2

99 60.7 43.7 81.1

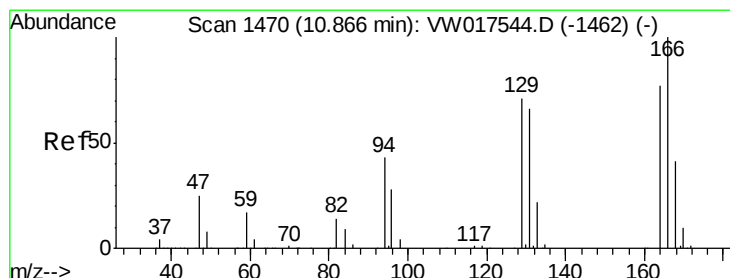
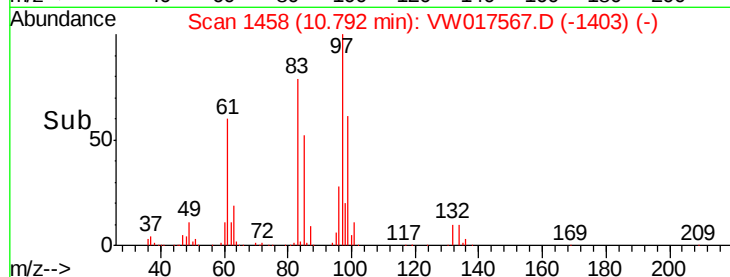
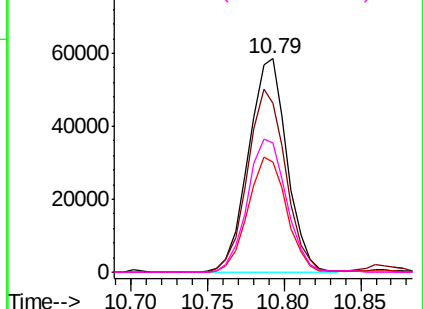


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 25.101 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW017567.D

Acq: 04 Dec 2020 19:35

Tgt Ion: 164 Resp: 126954

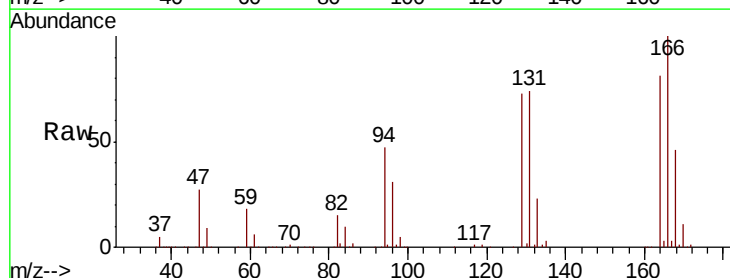
Ion Ratio Lower Upper

164 100

129 90.0 67.6 125.6

131 91.0 65.2 121.2

166 122.7 93.2 173.2

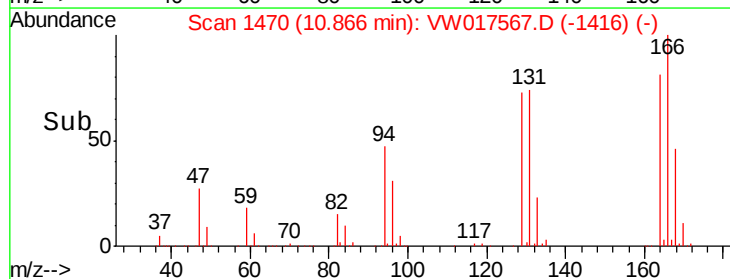
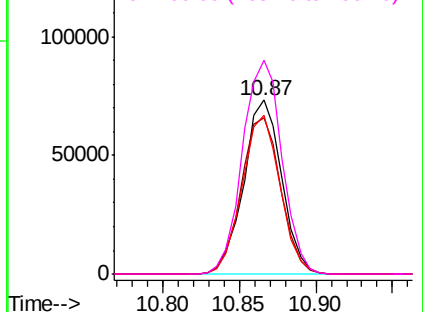


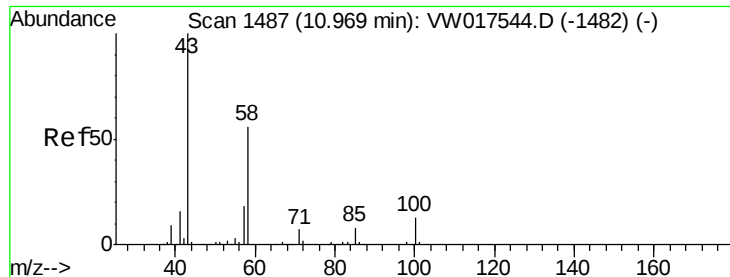
Abundance Ion 164.00 (163.70 to 164.70): V

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





#49

2-Hexanone

Concen: 63.475 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW017567.D

Acq: 04 Dec 2020 19:35

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 103794

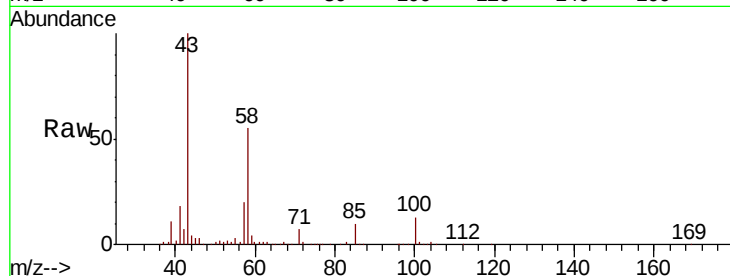
Ion Ratio Lower Upper

43 100

58 53.7 51.3 76.9

57 19.6 15.0 22.6

100 13.1 12.2 18.2

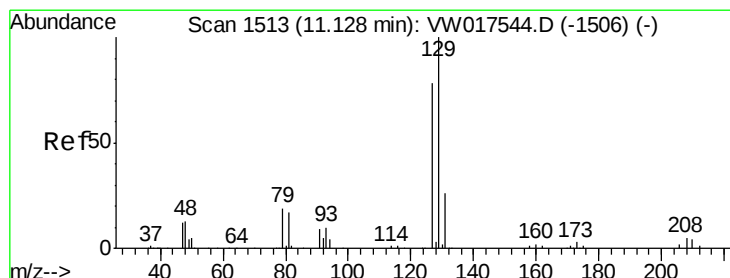
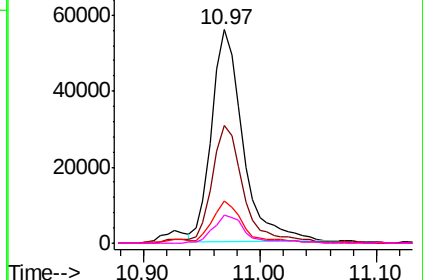
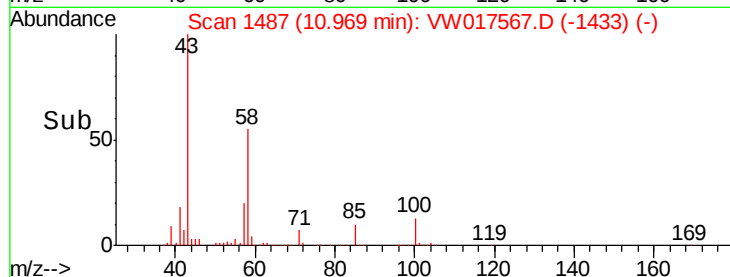


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 26.997 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW017567.D

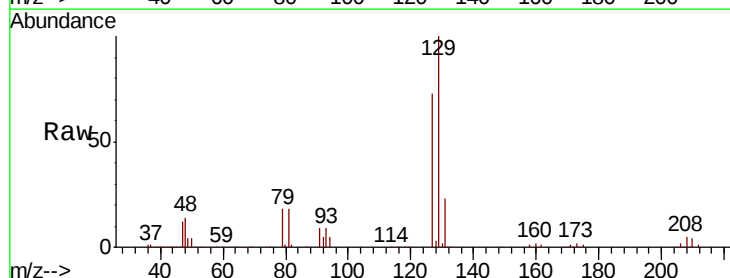
Acq: 04 Dec 2020 19:35

Tgt Ion: 129 Resp: 127083

Ion Ratio Lower Upper

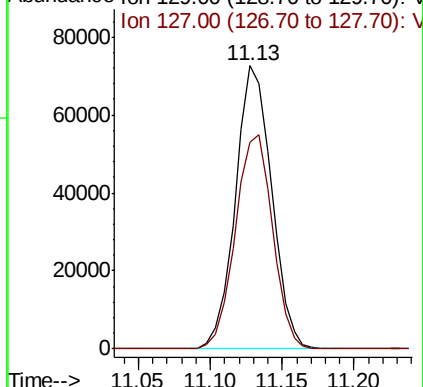
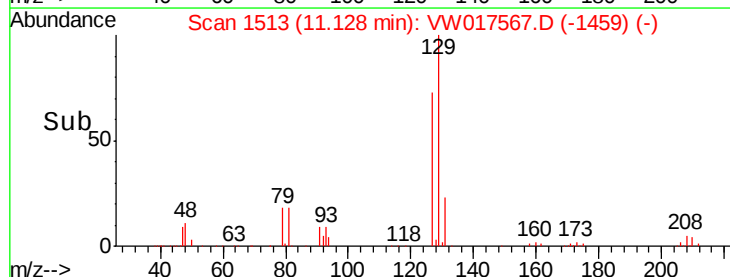
129 100

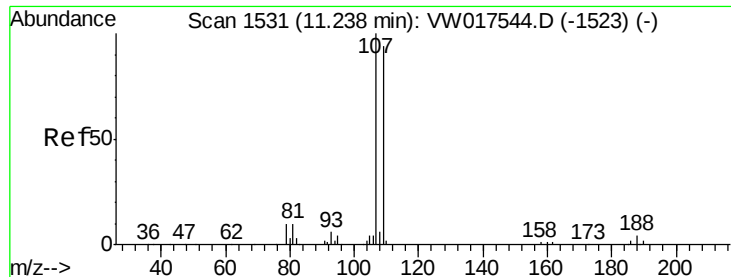
127 73.1 53.2 98.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

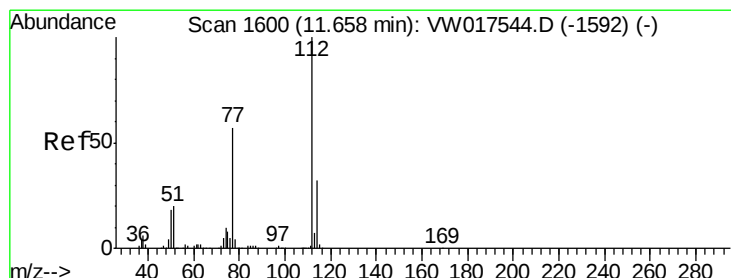
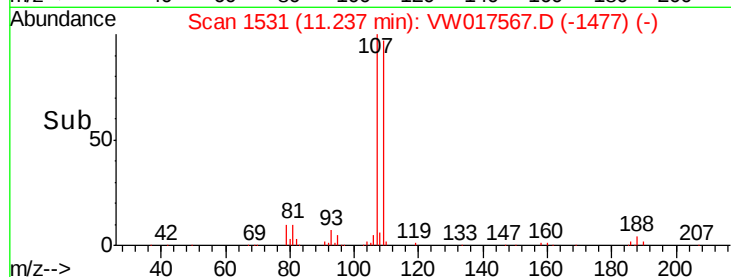
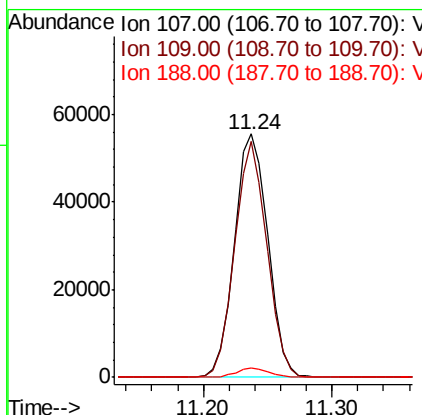
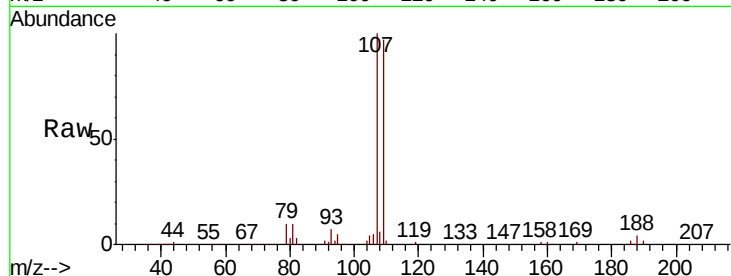




#51
 1,2-Dibromoethane
 Concen: 27.647 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW017567.D
 Acq: 04 Dec 2020 19:35

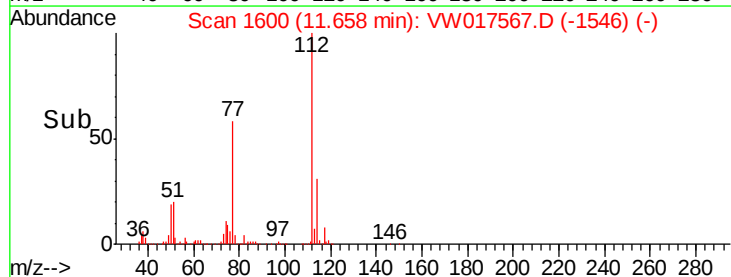
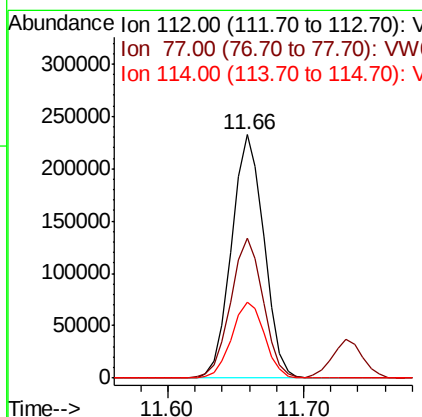
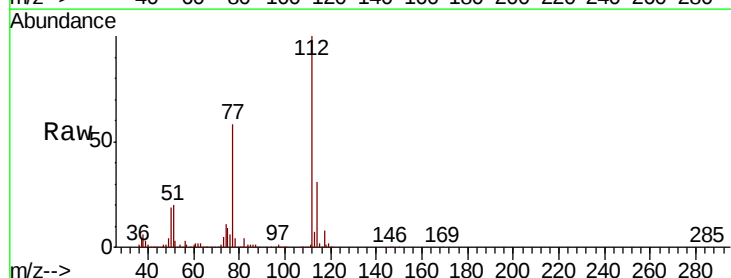
Instrument :
 MSVOA_W
 ClientSampleId :

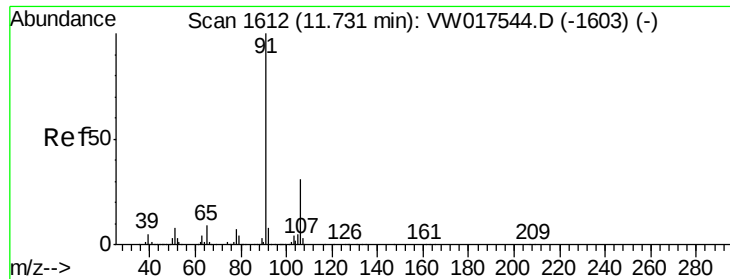
Tot Ion:107 Resp: 99848
 Ion Ratio Lower Upper
 107 100
 109 96.7 66.4 123.2
 188 3.9 4.0 6.0#



#52
 Chlorobenzene
 Concen: 25.507 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. -0.00 min
 Lab File: VW017567.D
 Acq: 04 Dec 2020 19:35

Tgt Ion:112 Resp: 384845
 Ion Ratio Lower Upper
 112 100
 77 57.5 42.6 64.0
 114 31.3 21.6 40.2





#53

Ethylbenzene

Concen: 25.622 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW017567.D

Acq: 04 Dec 2020 19:35

Instrument :

MSVOA_W

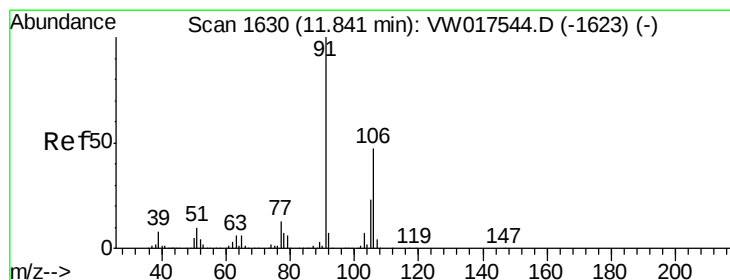
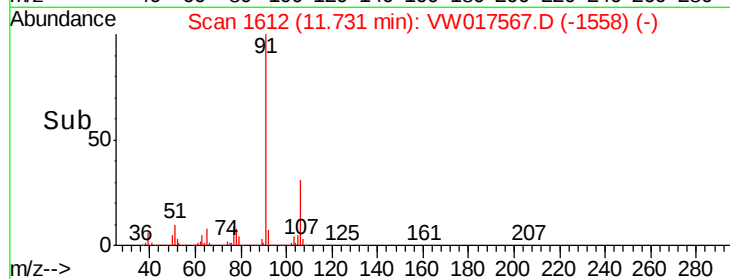
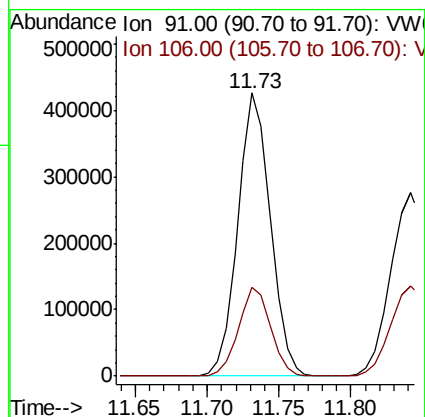
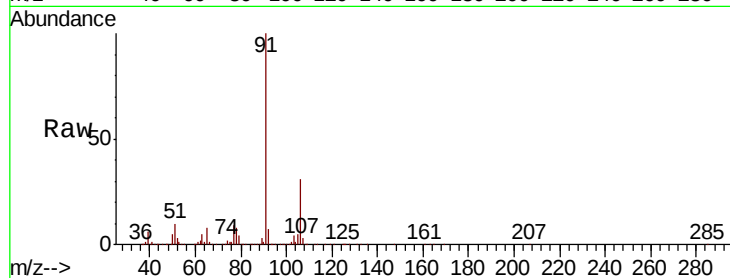
ClientSampled :

Tot Ion: 91 Resp: 669374

Ion Ratio Lower Upper

91 100

106 31.2 21.1 39.1



#54

m,p-Xylene

Concen: 25.594 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW017567.D

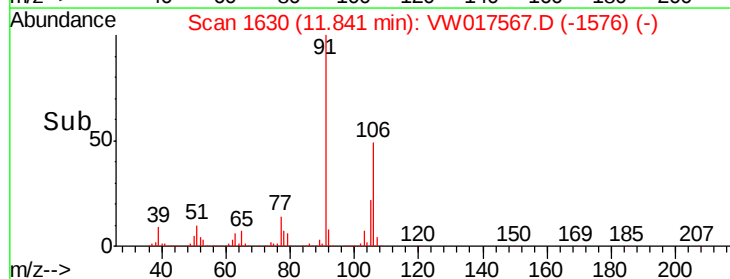
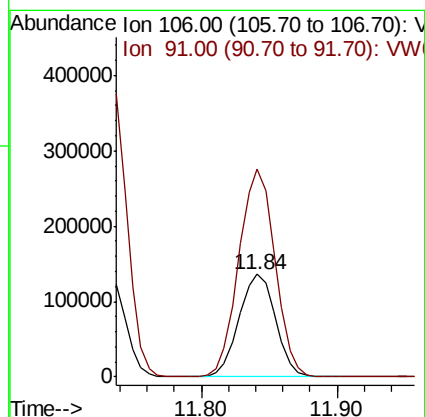
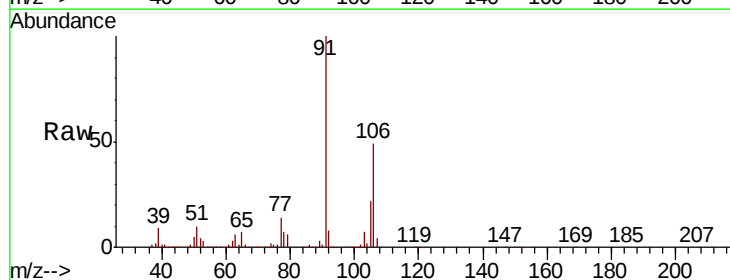
Acq: 04 Dec 2020 19:35

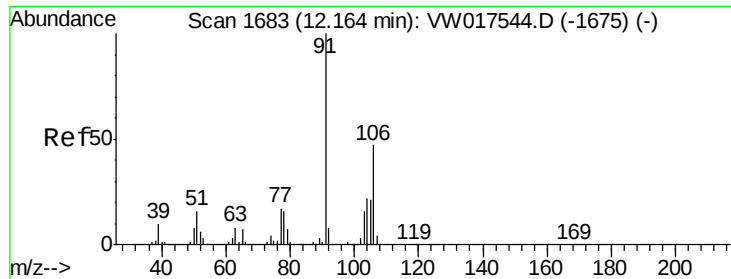
Tgt Ion: 106 Resp: 255108

Ion Ratio Lower Upper

106 100

91 202.1 136.4 253.4





#55

o-xylene

Concen: 25.667 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.01 min

Lab File: VW017567.D

Acq: 04 Dec 2020 19:35

Instrument :

MSVOA_W

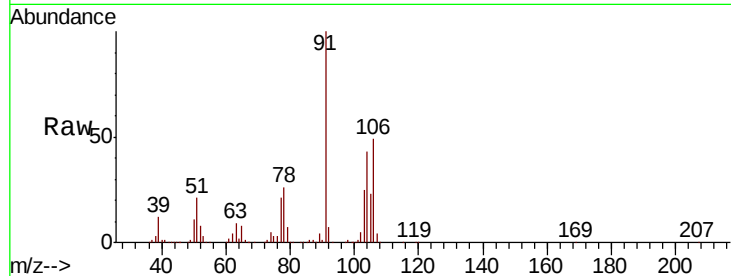
ClientSampled :

Tot Ion:106 Resp: 238280

Ion Ratio Lower Upper

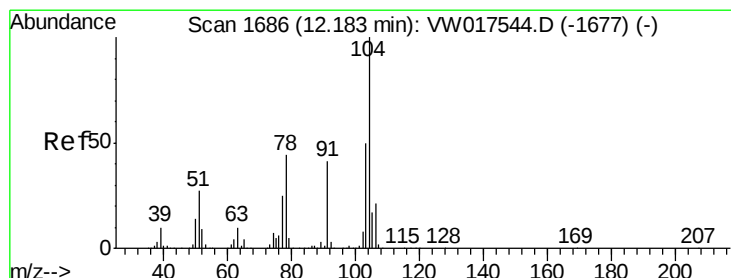
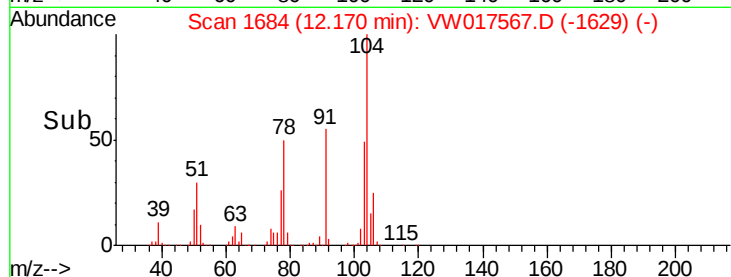
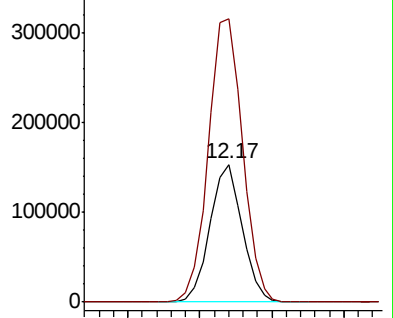
106 100

91 205.5 147.6 274.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 26.374 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW017567.D

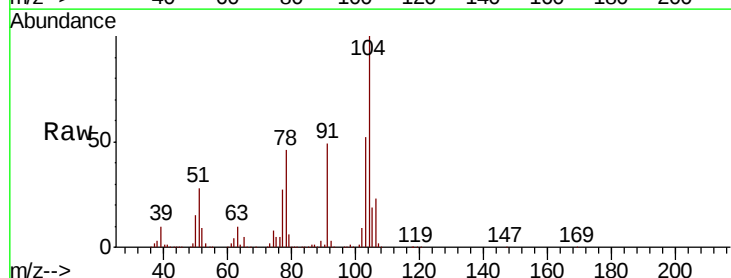
Acq: 04 Dec 2020 19:35

Tgt Ion:104 Resp: 411892

Ion Ratio Lower Upper

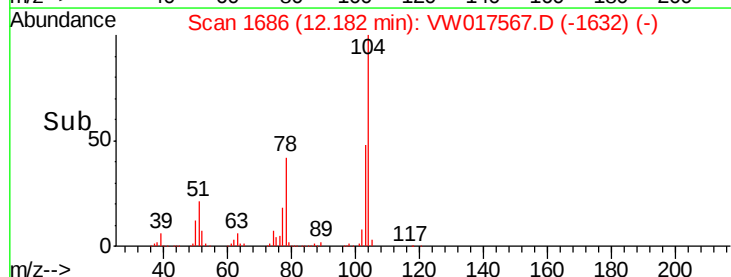
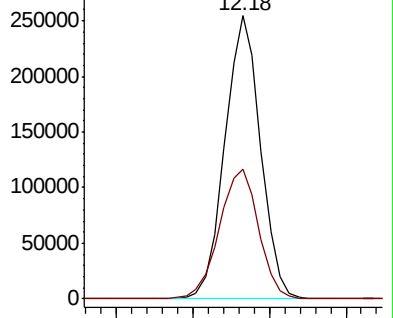
104 100

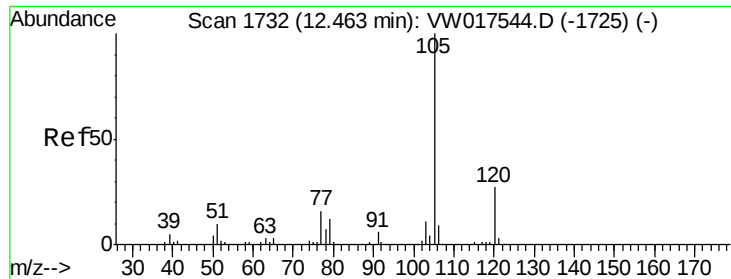
78 46.0 31.3 58.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 26.044 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW017567.D

Acq: 04 Dec 2020 19:35

Instrument :

MSVOA_W

ClientSampled :

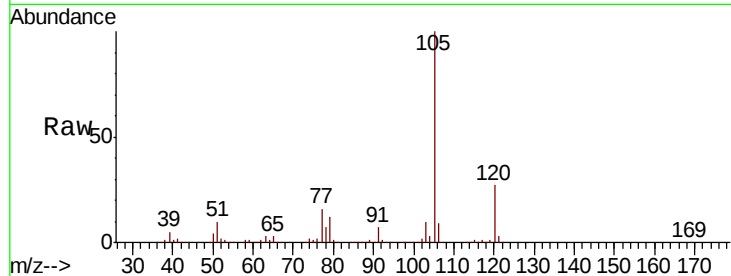
Tot Ion:105 Resp: 664102

Ion Ratio Lower Upper

105 100

120 26.6 21.4 32.2

77 15.6 12.1 18.1

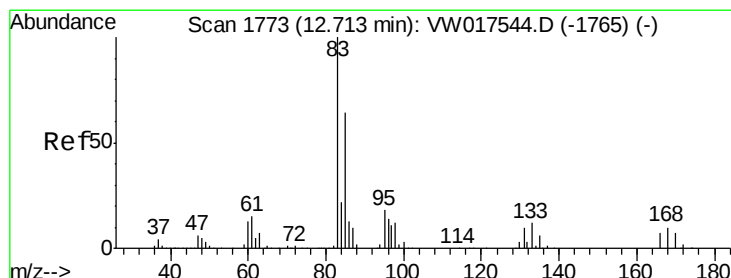
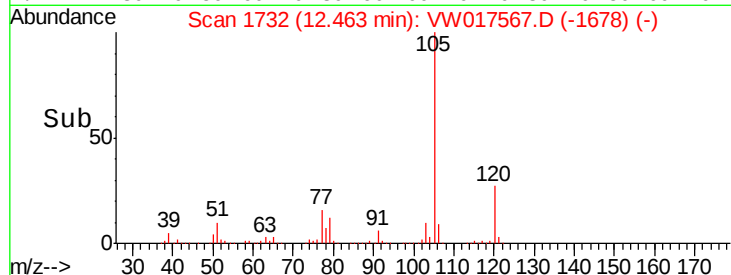
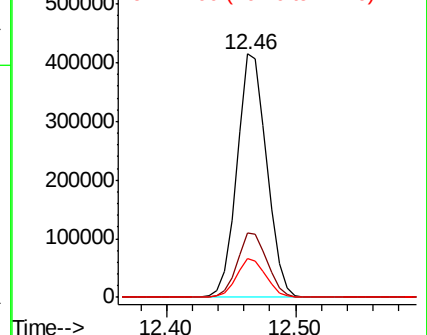


Abundance

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: 29.904 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW017567.D

Acq: 04 Dec 2020 19:35

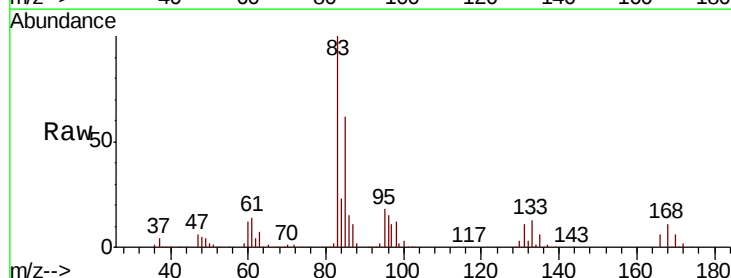
Tgt Ion: 83 Resp: 121292

Ion Ratio Lower Upper

83 100

85 62.5 45.3 84.1

131 11.0 8.3 12.5

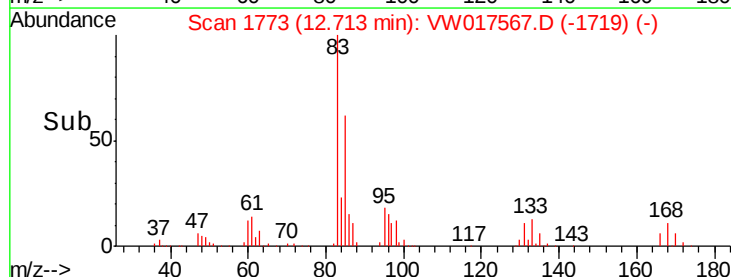
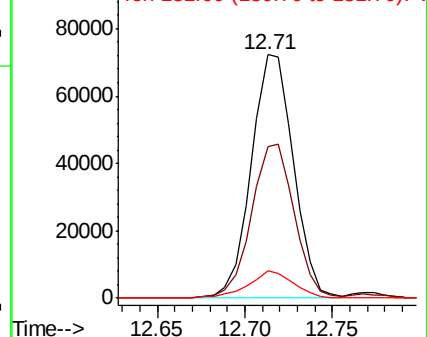


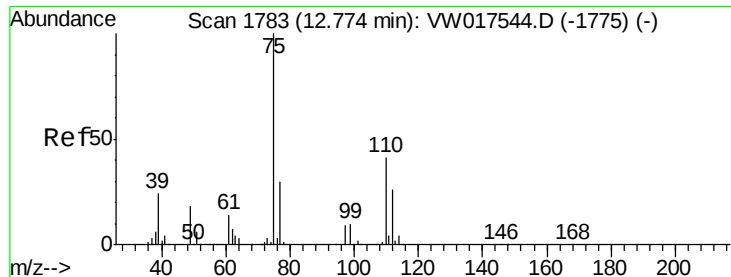
Abundance

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: 29.027 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.01 min

Lab File: VW017567.D

Acq: 04 Dec 2020 19:35

Instrument :

MSVOA_W

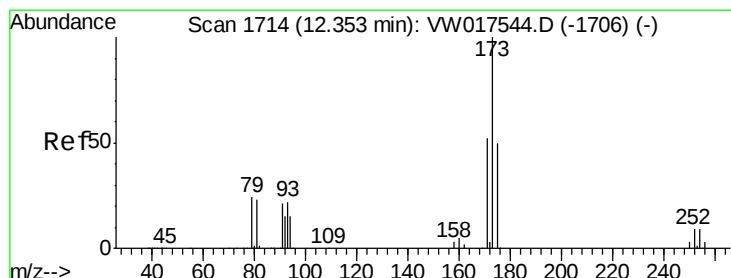
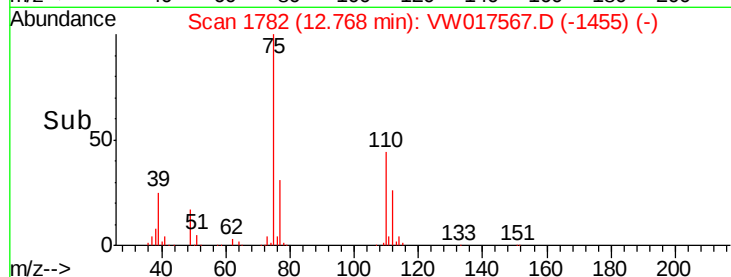
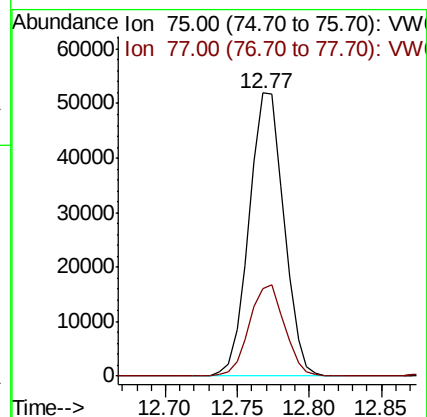
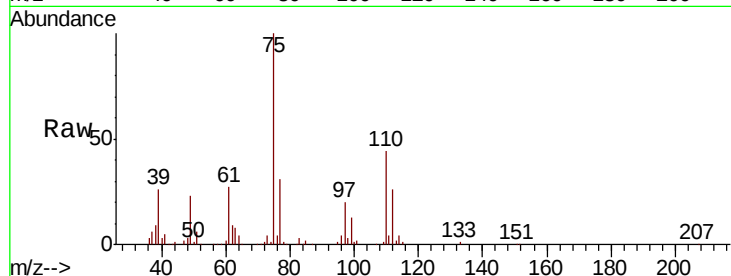
ClientSampled :

Tot Ion: 75 Resp: 86899

Ion Ratio Lower Upper

75 100

77 32.6 26.6 39.8



#62

Bromoform

Concen: 25.976 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW017567.D

Acq: 04 Dec 2020 19:35

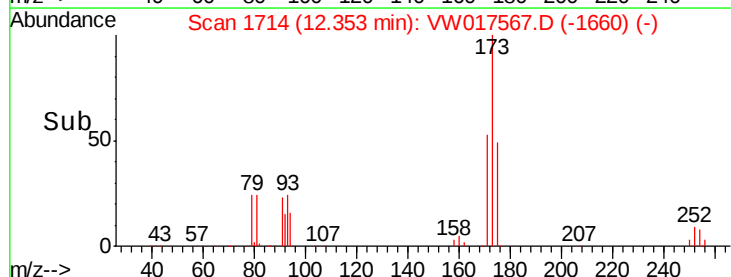
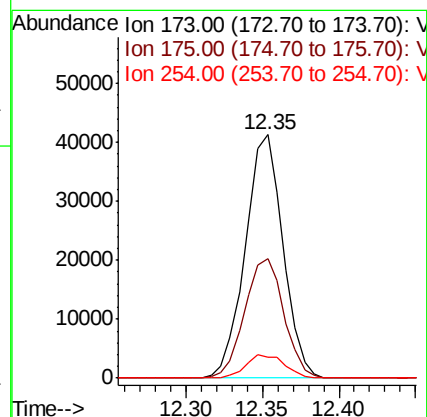
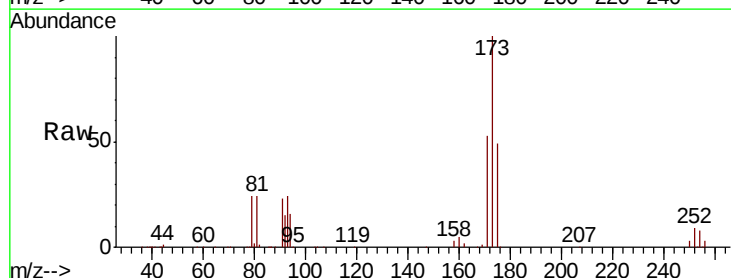
Tgt Ion: 173 Resp: 70707

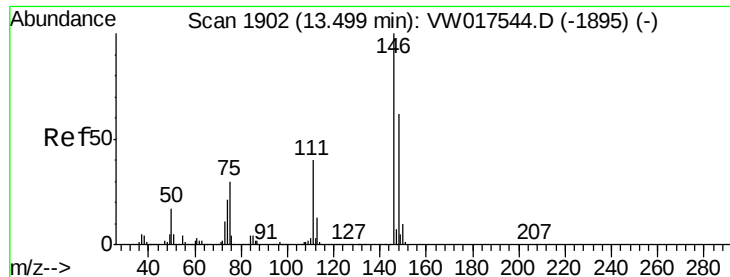
Ion Ratio Lower Upper

173 100

175 51.1 39.1 58.7

254 9.9 7.1 10.7

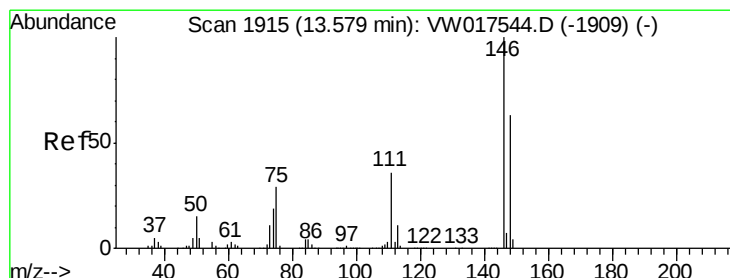
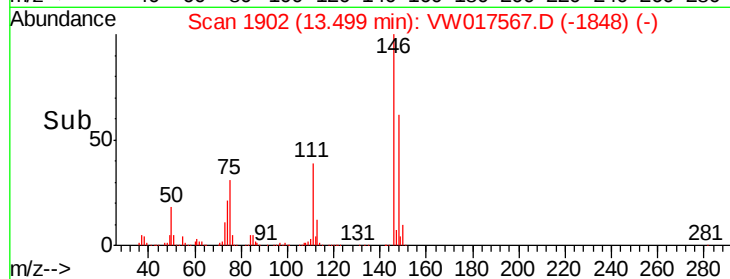
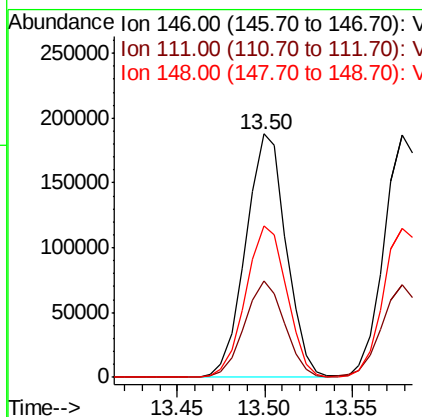
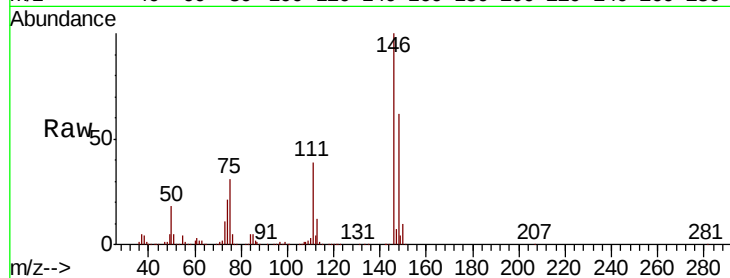




#63
 1,3-Dichlorobenzene
 Concen: 24.427 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW017567.D
 Acq: 04 Dec 2020 19:35

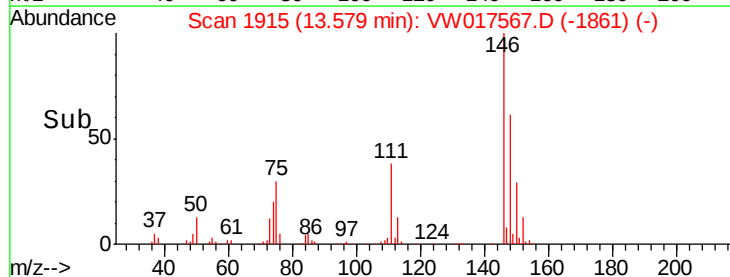
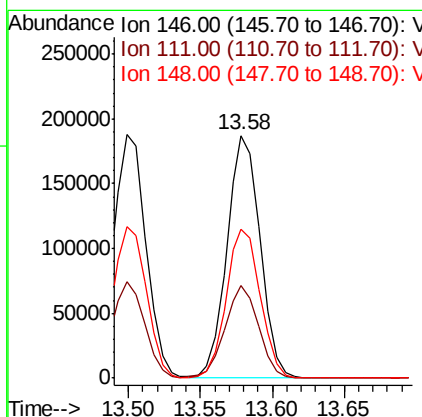
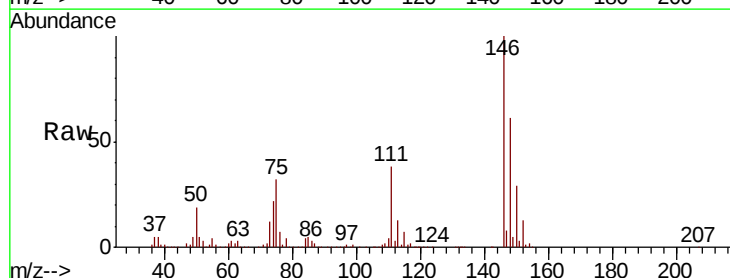
Instrument :
 MSVOA_W
 ClientSampleId :

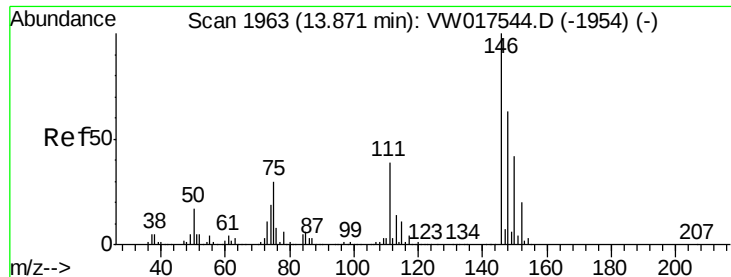
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	28.5	52.9
148	62.3	47.8	88.8



#64
 1,4-Dichlorobenzene
 Concen: 24.630 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW017567.D
 Acq: 04 Dec 2020 19:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	27.7	51.5
148	61.4	47.0	87.2





#65

1,2-Dichlorobenzene

Concen: 25.126 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW017567.D

Acq: 04 Dec 2020 19:35

Instrument :

MSVOA_W

ClientSampleId :

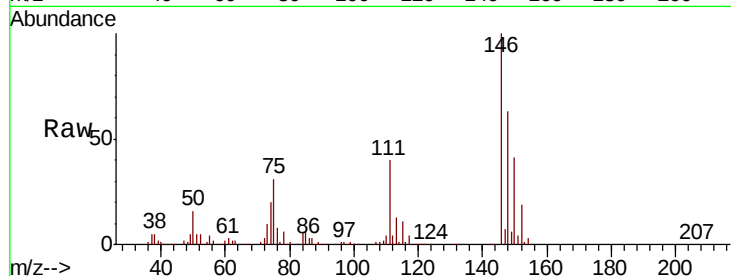
Tot Ion:146 Resp: 270949

Ion Ratio Lower Upper

146 100

111 40.2 31.7 47.5

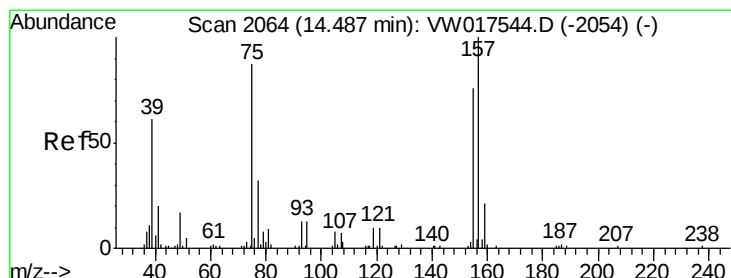
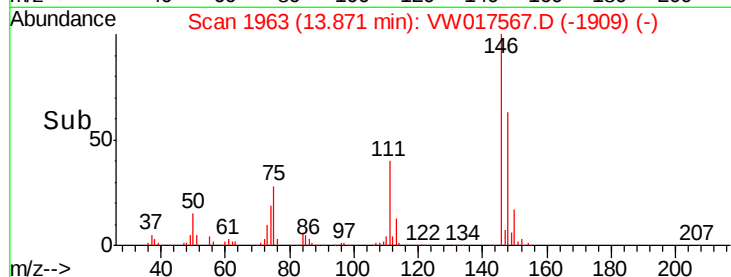
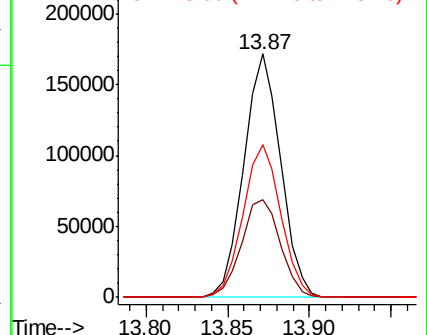
148 62.8 49.3 73.9



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



#66

1,2-Dibromo-3-chloropropane

Concen: 27.741 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW017567.D

Acq: 04 Dec 2020 19:35

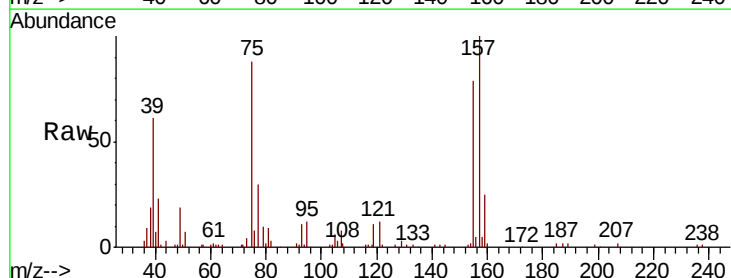
Tgt Ion: 75 Resp: 19261

Ion Ratio Lower Upper

75 100

157 113.6 99.9 149.9

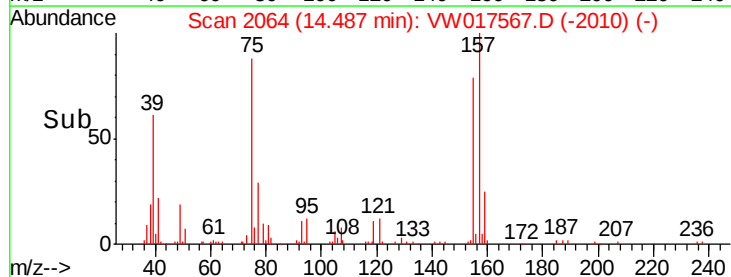
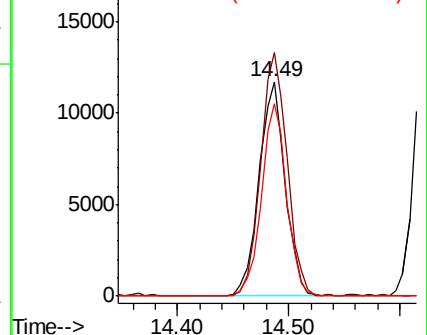
155 89.8 71.4 107.0

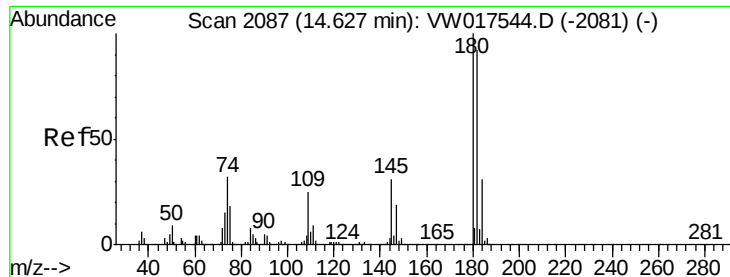


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

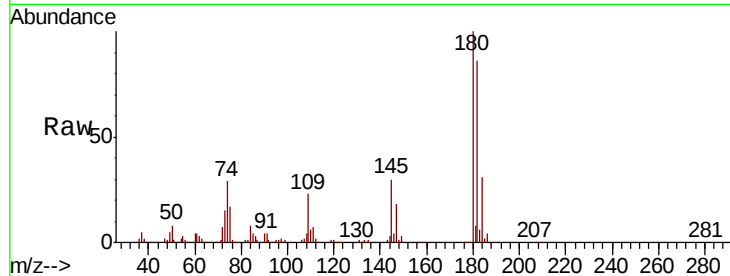




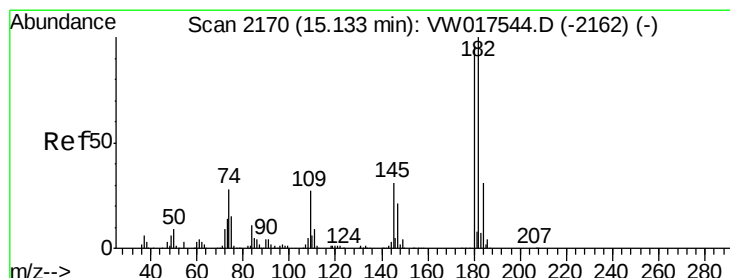
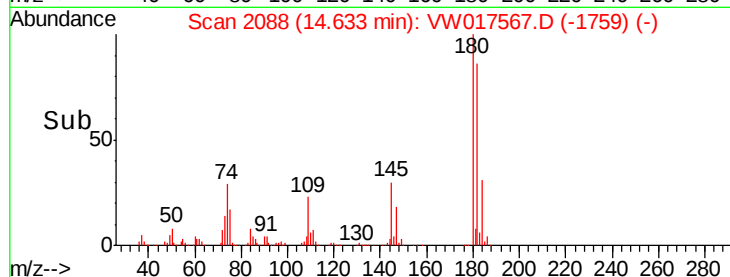
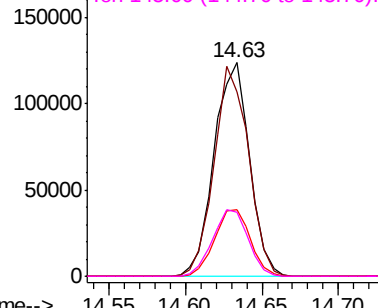
#67
 1,3,5-Trichlorobenzene
 Concen: 22.474 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.01 min
 Lab File: VW017567.D
 Acq: 04 Dec 2020 19:35

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:180	Resp:	199331
Ion Ratio	Lower	Upper
180	100	
182	95.7	77.0 115.6
184	31.6	24.2 36.4
145	31.1	23.5 35.3

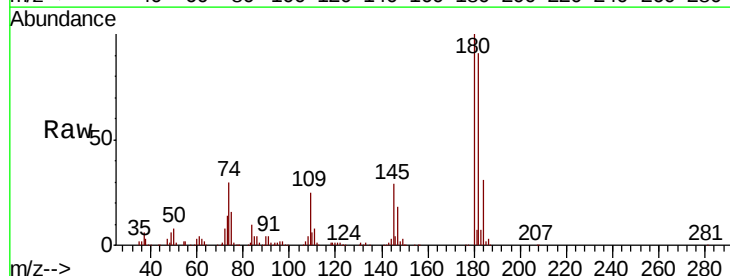


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

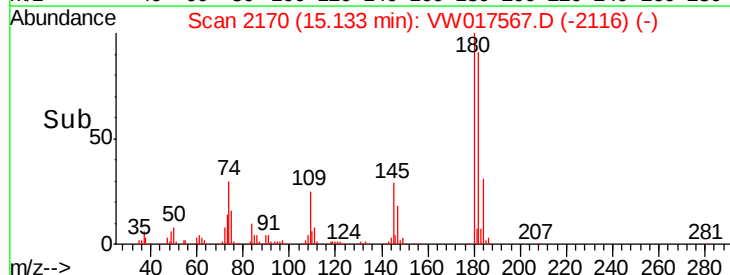
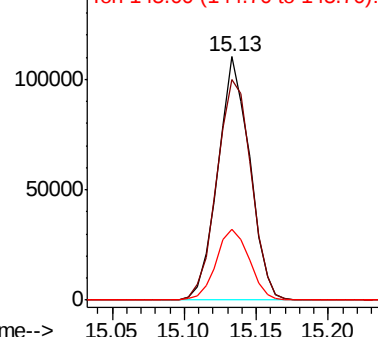


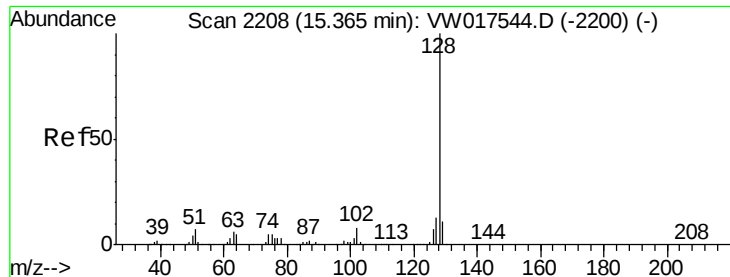
#68
 1,2,4-trichlorobenzene
 Concen: 23.520 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW017567.D
 Acq: 04 Dec 2020 19:35

Tgt Ion:180	Resp:	168645
Ion Ratio	Lower	Upper
180	100	
182	97.7	71.3 106.9
145	30.4	24.0 36.0



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





#69

Naphthalene

Concen: 27.235 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW017567.D

Acq: 04 Dec 2020 19:35

Instrument :

MSVOA_W

ClientSampleId :

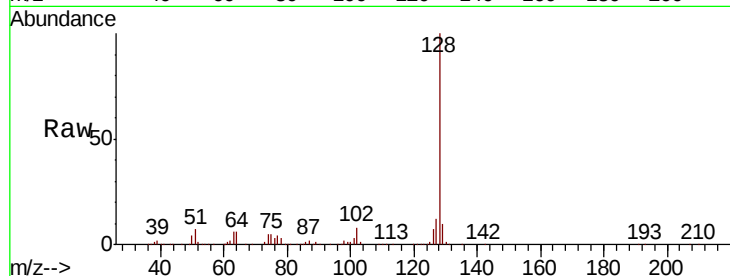
Tot Ion:128 Resp: 301532

Ion Ratio Lower Upper

128 100

129 10.7 8.7 13.1

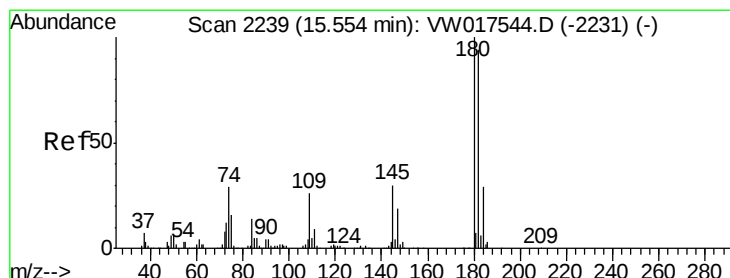
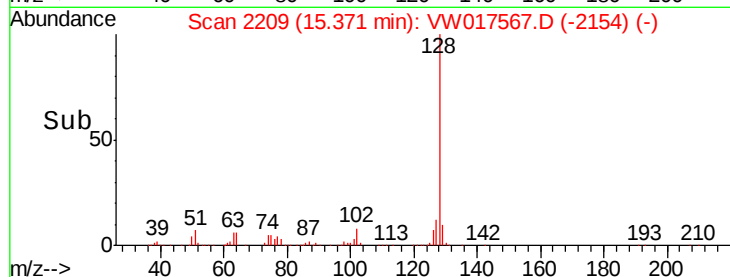
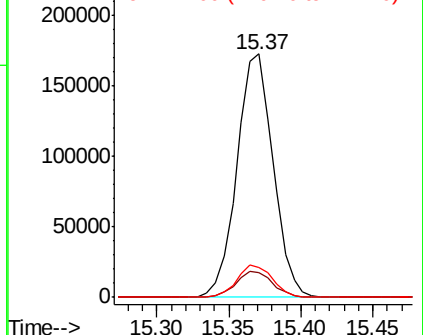
127 13.3 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 25.725 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW017567.D

Acq: 04 Dec 2020 19:35

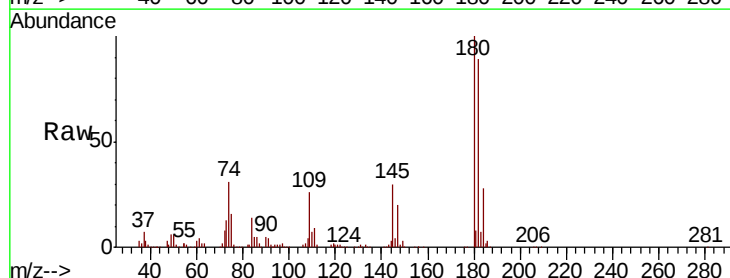
Tgt Ion:180 Resp: 153855

Ion Ratio Lower Upper

180 100

182 92.7 74.7 112.1

145 32.2 25.4 38.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

