

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091120\
 Data File : VW016536.D
 Acq On : 11 Sep 2020 08:56
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 12 02:06:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM090320S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 11 11:56:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	573249	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	516046	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	250826	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.37	65	139773	22.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.92%
7) Chloroethane-d5	2.90	69	149404	27.36	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	109.44%
10) 1,1-Dichloroethene-d2	4.03	63	339502	24.28	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	97.12%
20) 2-Butanone-d5	7.09	46	98766	45.47	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.94%
24) Chloroform-d	7.65	84	360321	26.83	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	107.32%
26) 1,2-Dichloroethane-d4	8.31	65	190047	25.88	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	103.52%
29) Benzene-d6	8.28	84	669435	25.52	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	102.08%
33) 1,2-Dichloropropane-d6	9.27	67	195705	25.39	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.56%
37) Toluene-d8	10.32	98	639202	25.63	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.52%
38) trans-1,3-Dichloropropene-	10.58	79	96057	24.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.80%
39) 2-Hexanone-d5	10.93	63	80465	51.08	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.16%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	181727	27.88	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	111.52%
61) 1,2-Dichlorobenzene-d4	13.86	152	221058	25.50	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.02	85	122996	19.178	ug/L	98
3) Chloromethane	2.23	50	138247	24.552	ug/L	97
5) Vinyl chloride	2.38	62	201103	28.040	ug/L	98
6) Bromomethane	2.79	94	173031	32.280	ug/L	100
8) Chloroethane	2.93	64	134098	30.394	ug/L	98
9) Trichlorofluoromethane	3.28	101	175365	29.857	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.08	101	193802	27.897	ug/L	94
12) 1,1-Dichloroethene	4.05	96	189628	26.845	ug/L	100
13) Acetone	4.14	43	67246	48.237	ug/L	99
14) Carbon disulfide	4.39	76	560497	25.964	ug/L	100
15) Methyl Acetate	4.68	43	75942	22.461	ug/L	94
16) Methylene chloride	4.93	84	187174	20.922	ug/L	93
17) Methyl tert-butyl Ether	5.43	73	271419	25.613	ug/L	98
18) trans-1,2-Dichloroethene	5.43	96	195894	26.108	ug/L	96
19) 1,1-Dichloroethane	6.23	63	328668	25.737	ug/L	99
21) 2-Butanone	7.18	43	96381	41.191	ug/L	91
22) cis-1,2-Dichloroethene	7.18	96	206799	26.456	ug/L	95

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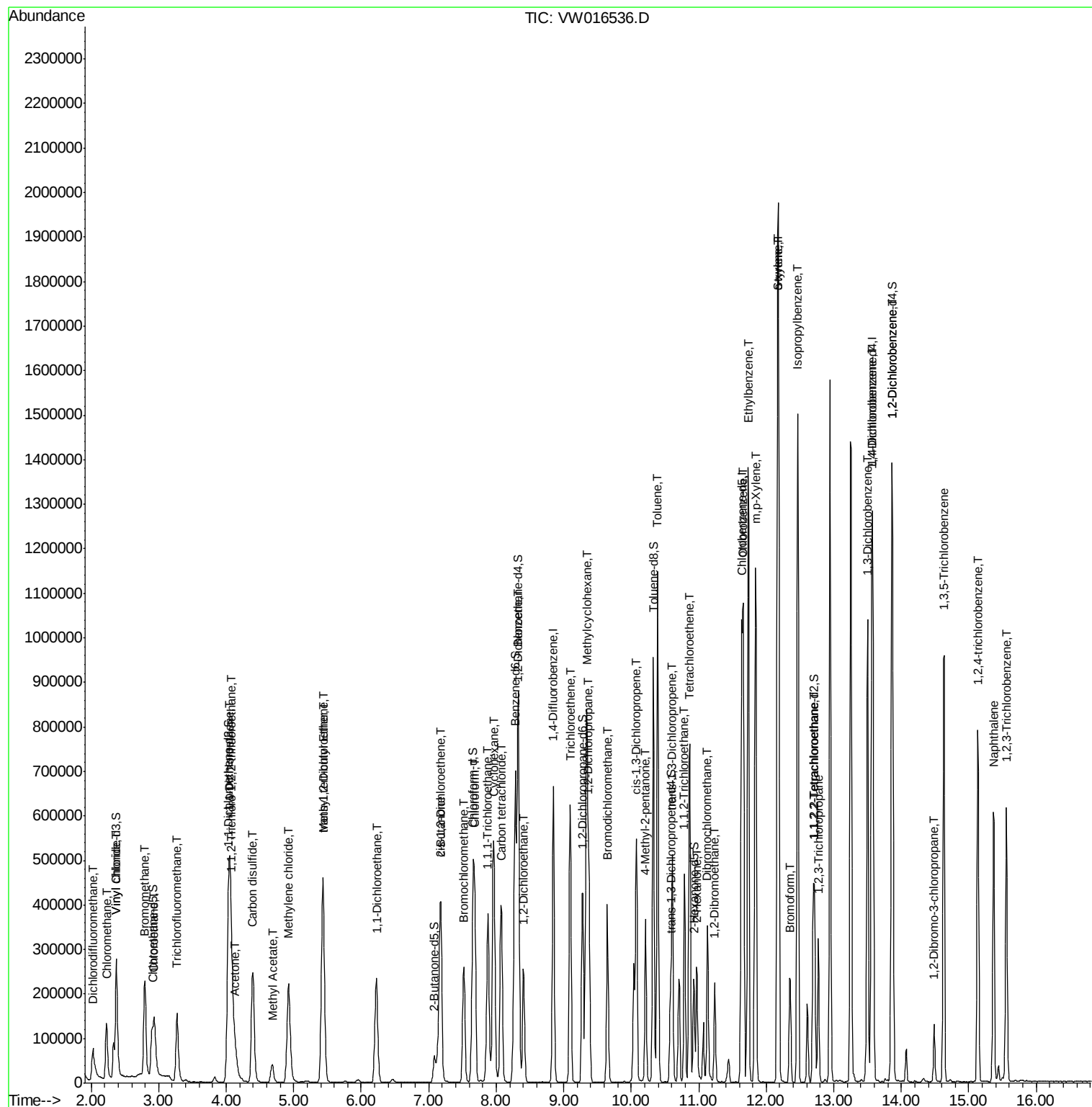
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	93266	25.740	ug/L	87
25) Chloroform	7.68	83	347614	26.299	ug/L	100
27) 1,2-Dichloroethane	8.40	62	228260	25.934	ug/L	99
30) Cyclohexane	7.96	56	301756	24.479	ug/L	94
31) 1,1,1-Trichloroethane	7.88	97	313721	28.076	ug/L	98
32) Carbon tetrachloride	8.08	117	296904	27.779	ug/L	99
34) Benzene	8.33	78	748414	26.526	ug/L	100
35) Trichloroethene	9.10	95	207274	26.512	ug/L	100
36) Methylcyclohexane	9.34	83	352338	25.758	ug/L	96
40) 1,2-Dichloropropane	9.37	63	175538	25.163	ug/L	99
41) Bromodichloromethane	9.65	83	261619	26.824	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	299284	25.281	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	226957	45.944	ug/L	98
44) Toluene	10.39	91	843146	26.705	ug/L	97
45) trans-1,3-Dichloropropene	10.61	75	270741	25.585	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	146224	26.447	ug/L	95
47) Tetrachloroethene	10.87	164	160795	25.652	ug/L	98
49) 2-Hexanone	10.97	43	151579	44.061	ug/L	95
50) Dibromochloromethane	11.13	129	178947	25.596	ug/L	98
51) 1,2-Dibromoethane	11.24	107	143705	26.010	ug/L	96
52) Chlorobenzene	11.66	112	540177	26.971	ug/L	98
53) Ethylbenzene	11.73	91	971817	27.327	ug/L	100
54) m,p-Xylene	11.84	106	373076	27.449	ug/L	98
55) o-xylene	12.17	106	350050	27.037	ug/L	90
56) Styrene	12.18	104	601948	27.060	ug/L	97
57) Isopropylbenzene	12.46	105	1001706	28.244	ug/L	97
58) 1,1,2,2-Tetrachloroethane	12.71	83	178295	27.051	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	127847	25.953	ug/L	98
62) Bromoform	12.35	173	103414	24.570	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	417080	26.412	ug/L	95
64) 1,4-Dichlorobenzene	13.58	146	395490	25.258	ug/L	99
65) 1,2-Dichlorobenzene	13.87	146	368352	26.242	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.49	75	31938	24.436	ug/L	88
67) 1,3,5-Trichlorobenzene	14.63	180	281582	25.871	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	232093	24.653	ug/L	95
69) Naphthalene	15.36	128	511008	25.719	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	202708	25.078	ug/L	99

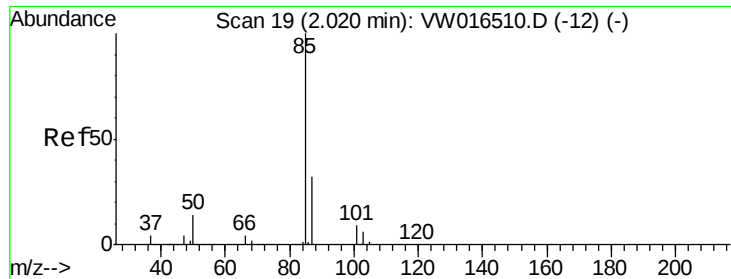
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 19.178 ug/L

RT: 2.02 min Scan# 19

Delta R.T. -0.00 min

Lab File: VW016536.D

Acq: 11 Sep 2020 08:56

Instrument :

MSVOA_W

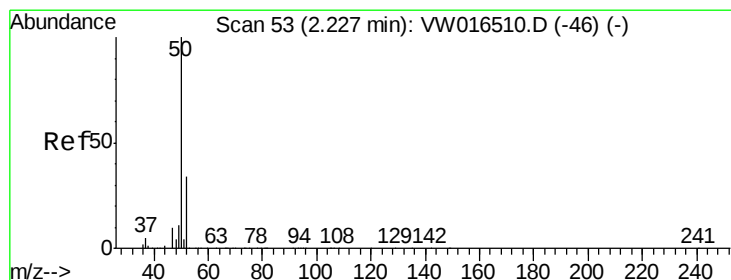
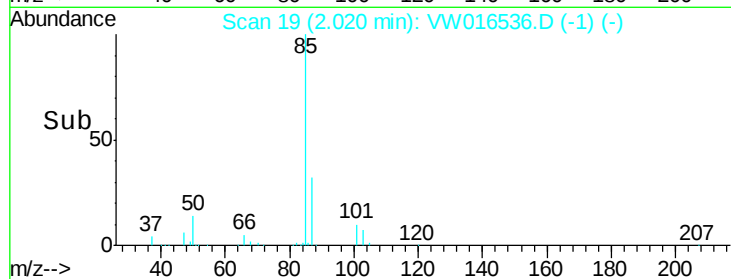
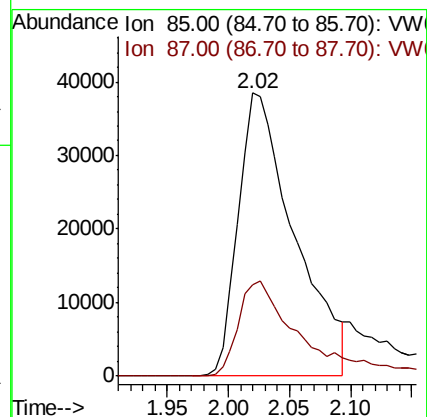
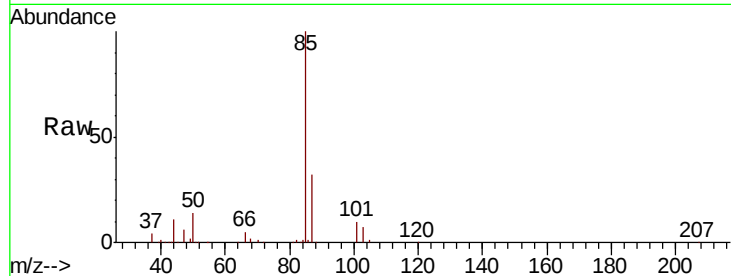
ClientSampleId :

Tot Ion: 85 Resp: 122996

Ion Ratio Lower Upper

85 100

87 30.9 22.3 41.5



#3

Chloromethane

Concen: 24.552 ug/L

RT: 2.23 min Scan# 53

Delta R.T. -0.00 min

Lab File: VW016536.D

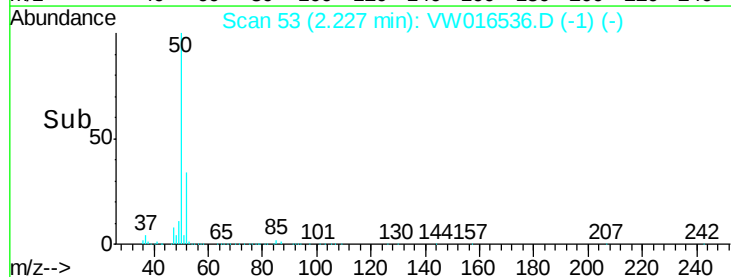
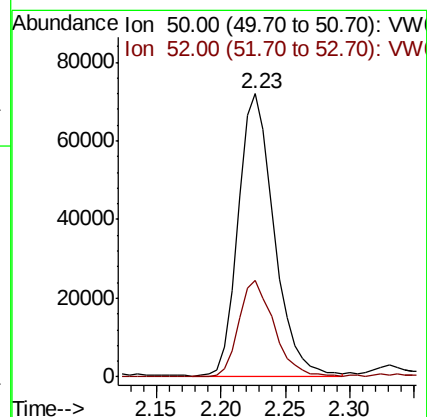
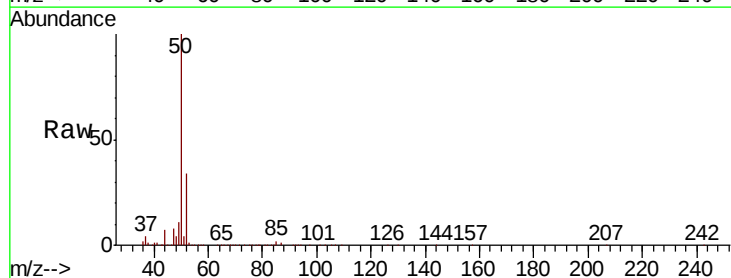
Acq: 11 Sep 2020 08:56

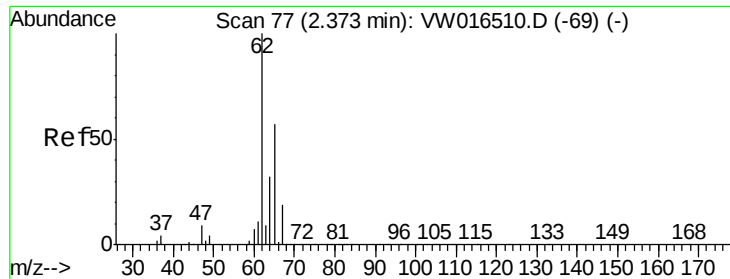
Tgt Ion: 50 Resp: 138247

Ion Ratio Lower Upper

50 100

52 34.3 23.0 42.6





#5

Vinyl chloride

Concen: 28.040 ug/L

RT: 2.38 min Scan# 78

Delta R.T. 0.01 min

Lab File: VW016536.D

Acq: 11 Sep 2020 08:56

Instrument :

MSVOA_W

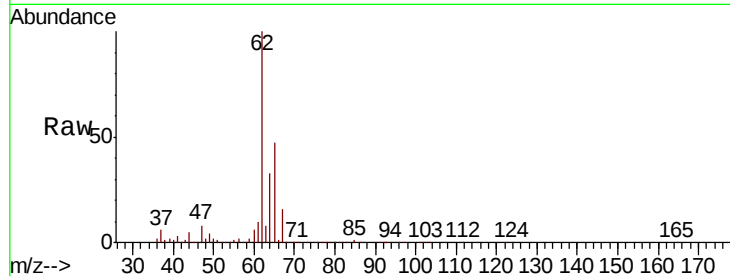
ClientSampled :

Tot Ion: 62 Resp: 201103

Ion Ratio Lower Upper

62 100

64 33.2 23.9 44.5



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW

2.38

100000

80000

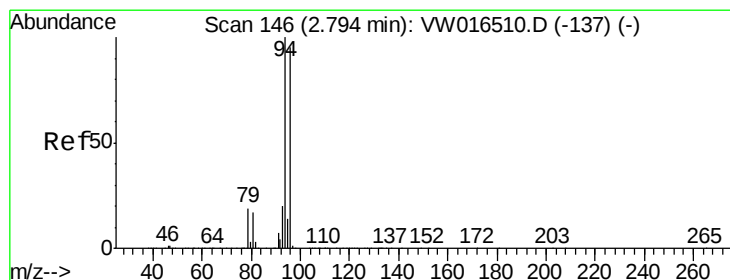
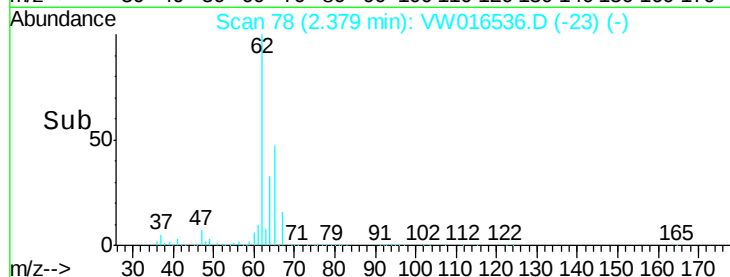
60000

40000

20000

0

Time-->



#6

Bromomethane

Concen: 32.280 ug/L

RT: 2.79 min Scan# 146

Delta R.T. -0.00 min

Lab File: VW016536.D

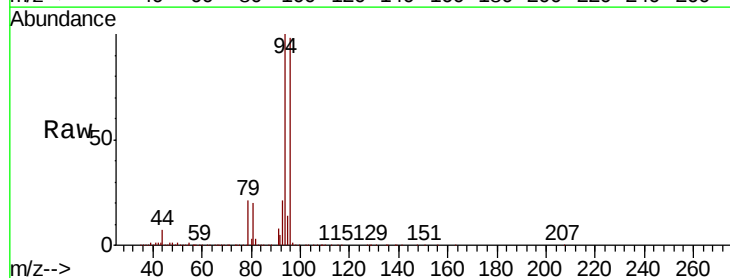
Acq: 11 Sep 2020 08:56

Tgt Ion: 94 Resp: 173031

Ion Ratio Lower Upper

94 100

96 94.1 9.4 178.2



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW

2.79

80000

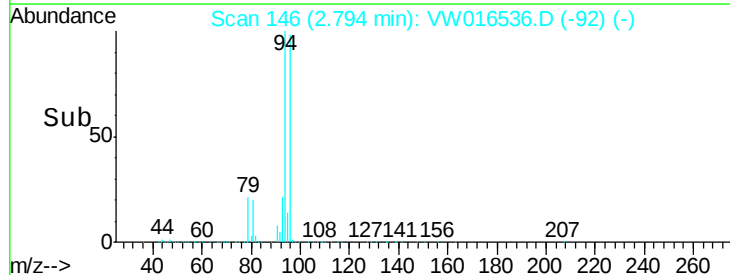
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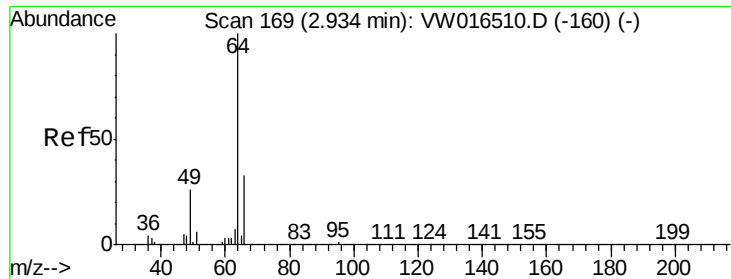
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20000

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Time-->

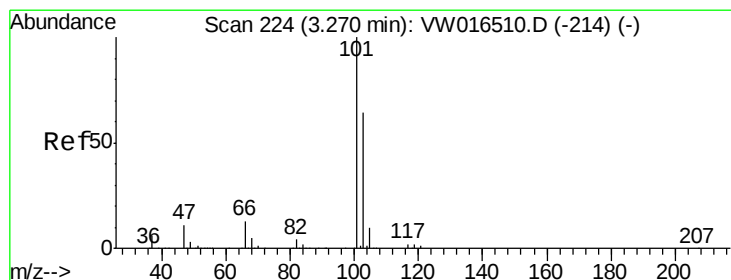
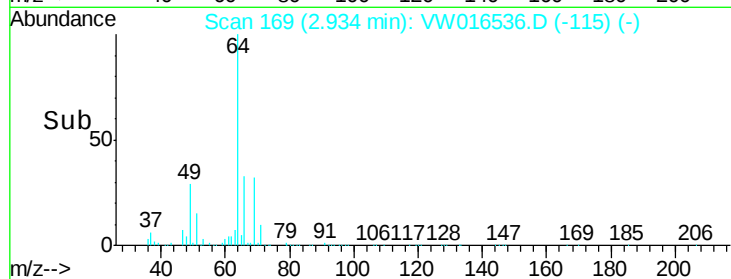
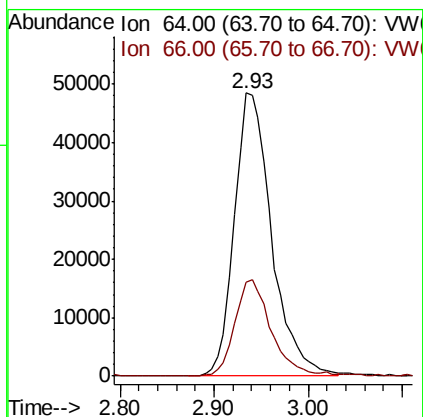
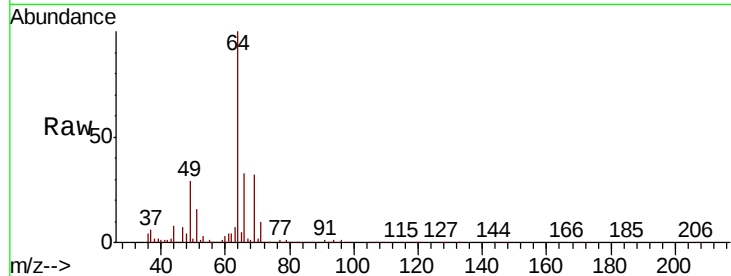




#8
Chloroethane
Concen: 30.394 ug/L
RT: 2.93 min Scan# 169
Delta R.T. -0.00 min
Lab File: VW016536.D
Acq: 11 Sep 2020 08:56

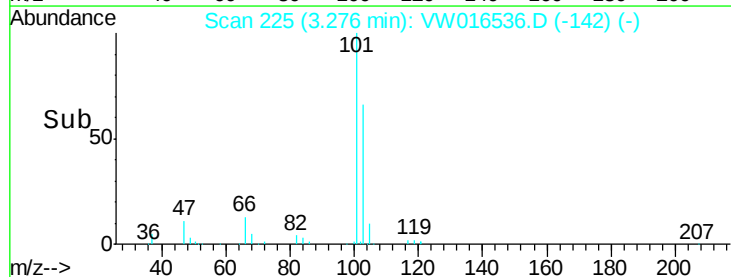
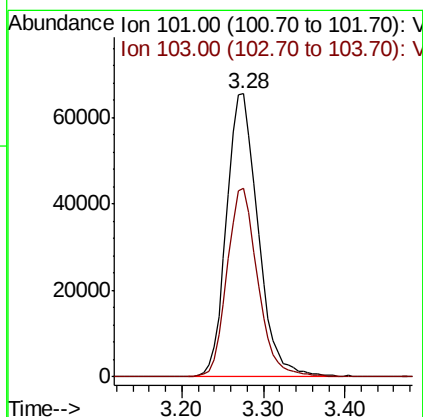
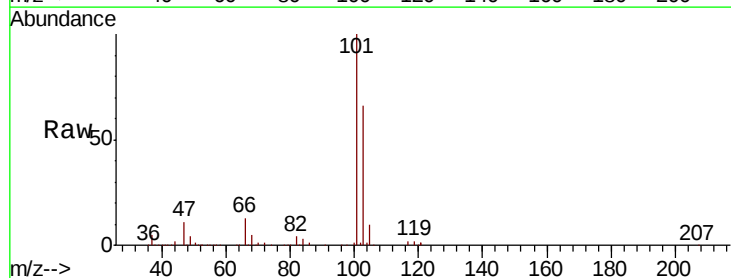
Instrument :
MSVOA_W
ClientSampled :

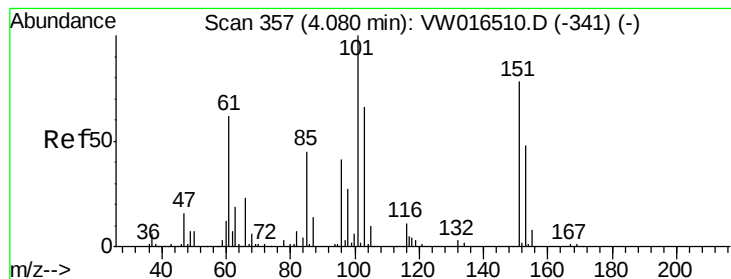
Tot Ion: 64 Resp: 134098
Ion Ratio Lower Upper
64 100
66 33.3 22.4 41.6



#9
Trichlorofluoromethane
Concen: 29.857 ug/L
RT: 3.28 min Scan# 225
Delta R.T. 0.01 min
Lab File: VW016536.D
Acq: 11 Sep 2020 08:56

Tgt Ion:101 Resp: 175365
Ion Ratio Lower Upper
101 100
103 64.6 45.1 83.7





#11

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

Concen: 27.897 ug/L

RT: 4.08 min Scan# 357

Delta R.T. -0.00 min

Lab File: VW016536.D

Acq: 11 Sep 2020 08:56

Instrument :

MSVOA_W

ClientSampled :

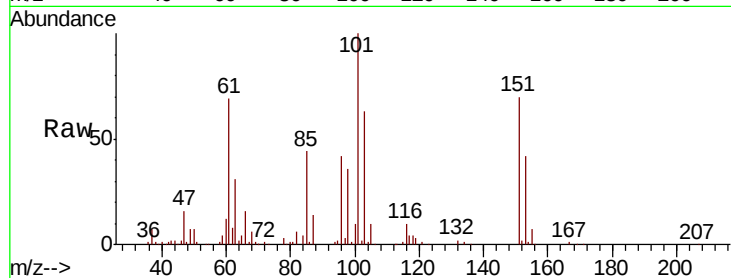
Tot Ion:101 Resp: 193802

Ion Ratio Lower Upper

101 100

85 45.3 33.4 50.0

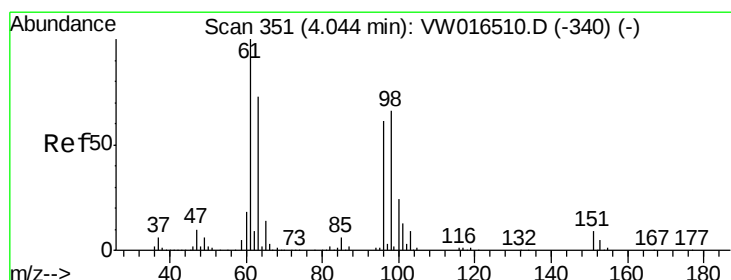
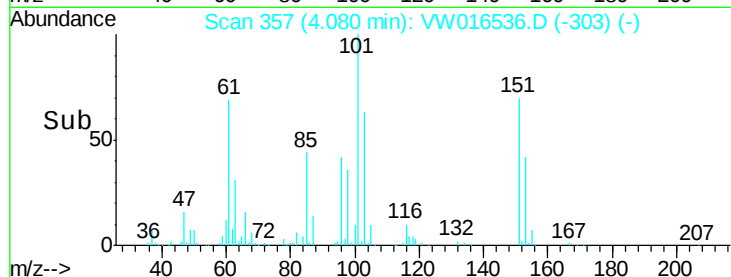
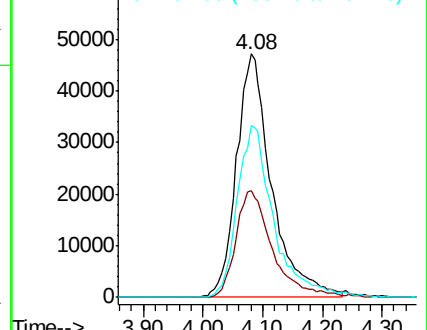
151 71.9 61.6 92.4



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: 26.845 ug/L

RT: 4.05 min Scan# 352

Delta R.T. 0.01 min

Lab File: VW016536.D

Acq: 11 Sep 2020 08:56

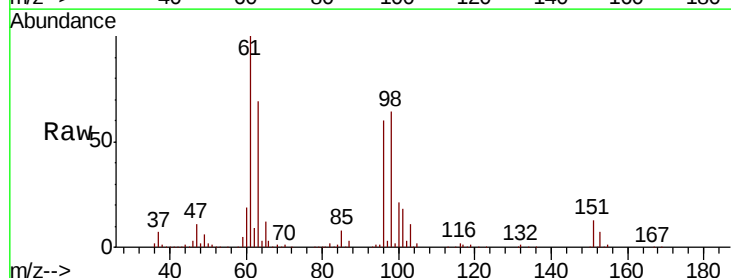
Tgt Ion: 96 Resp: 189628

Ion Ratio Lower Upper

96 100

61 166.9 116.5 216.3

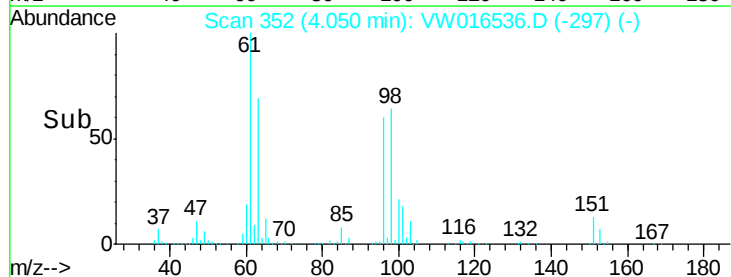
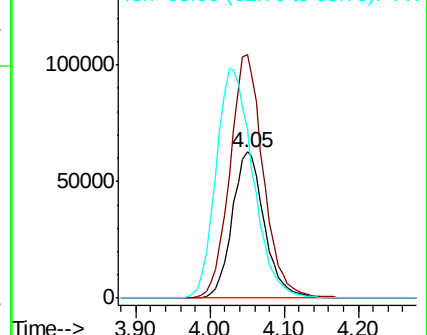
63 115.7 81.1 150.5

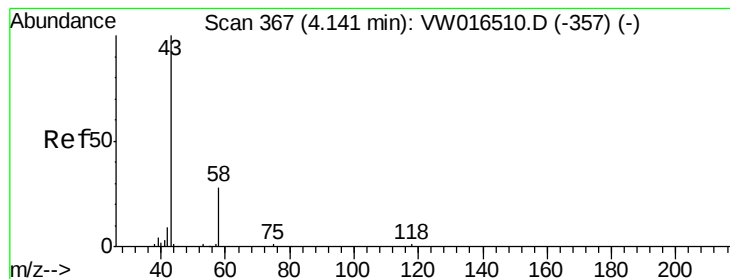


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 48.237 ug/L

RT: 4.14 min Scan# 367

Delta R.T. -0.00 min

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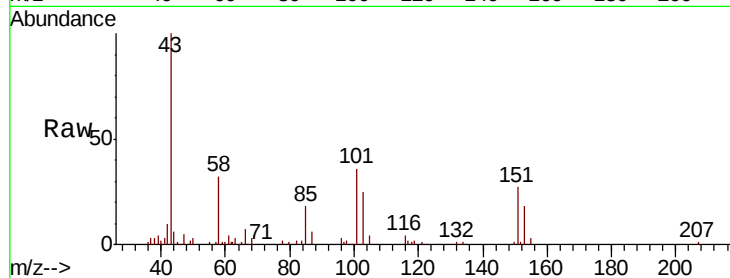
ClientSampleId :

Tot Ion: 43 Resp: 67246

Ion Ratio Lower Upper

43 100

58 31.9 0.0 63.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

25000

20000

15000

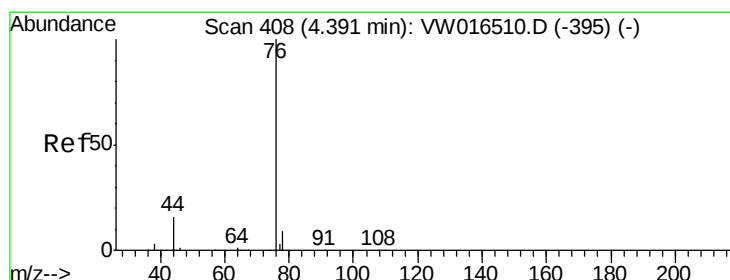
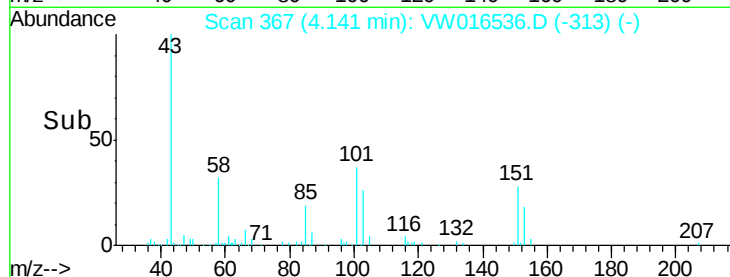
10000

5000

0

Time-->

4.00 4.10 4.20



#14

Carbon disulfide

Concen: 25.964 ug/L

RT: 4.39 min Scan# 408

Delta R.T. -0.00 min

Lab File: VW016536.D

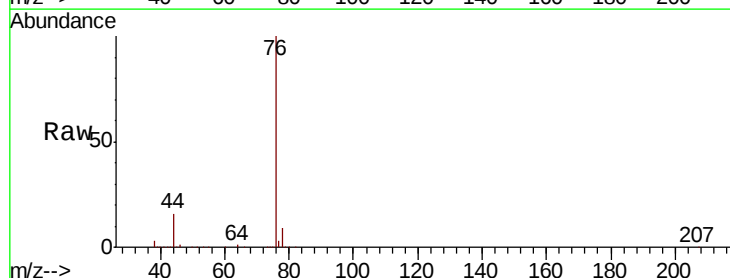
Acq: 11 Sep 2020 08:56

Tgt Ion: 76 Resp: 560497

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

4.39

200000

150000

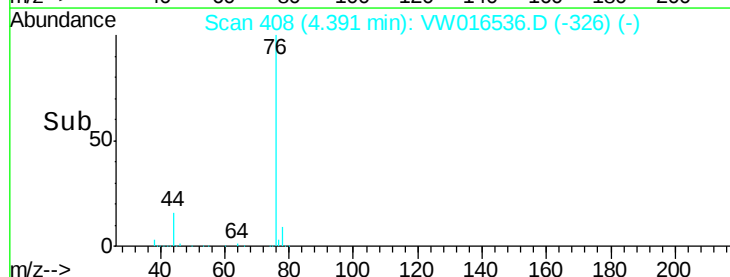
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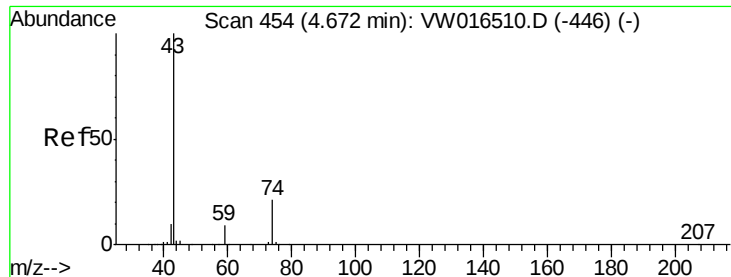
50000

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Time-->

4.30 4.40 4.50





#15

Methyl Acetate

Concen: 22.461 ug/L

RT: 4.68 min Scan# 456

Delta R.T. 0.01 min

Lab File: VW016536.D

Acq: 11 Sep 2020 08:56

Instrument :

MSVOA_W

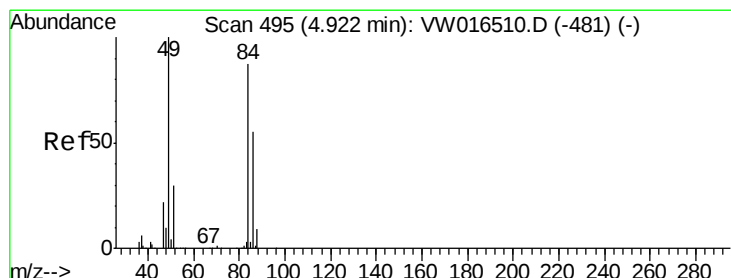
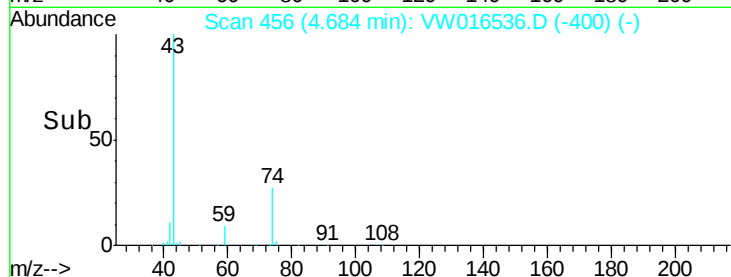
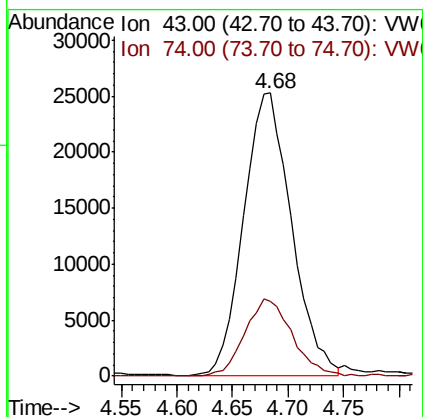
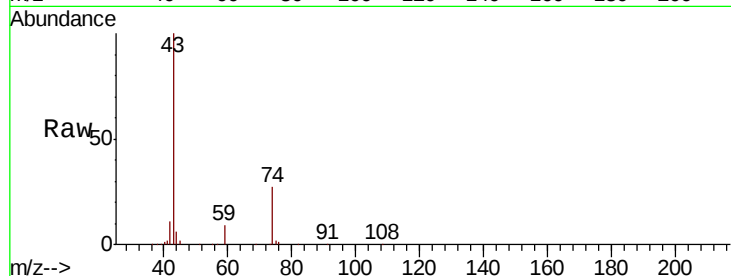
ClientSampled :

Tot Ion: 43 Resp: 75942

Ion Ratio Lower Upper

43 100

74 26.7 18.9 28.3



#16

Methylene chloride

Concen: 20.922 ug/L

RT: 4.93 min Scan# 496

Delta R.T. 0.01 min

Lab File: VW016536.D

Acq: 11 Sep 2020 08:56

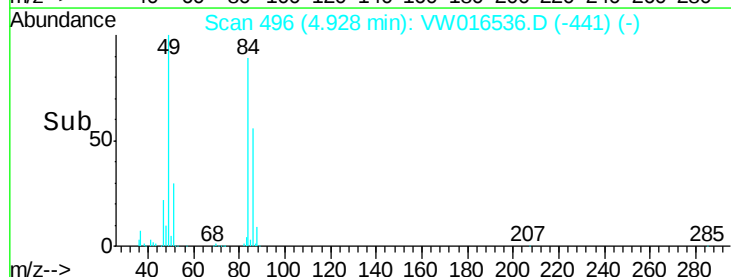
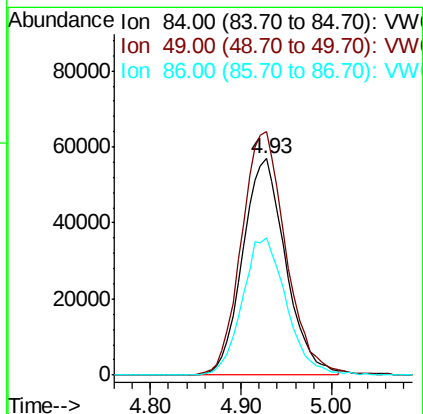
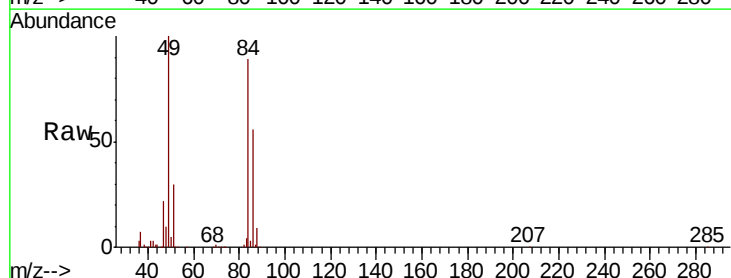
Tgt Ion: 84 Resp: 187174

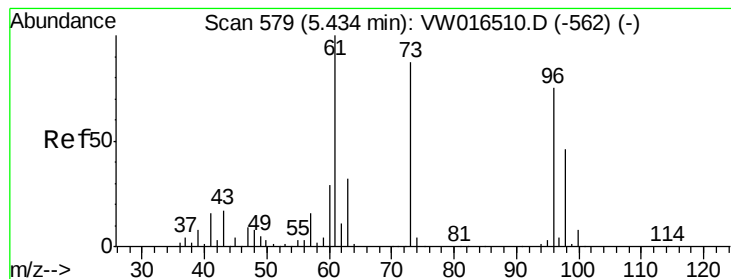
Ion Ratio Lower Upper

84 100

49 112.6 86.7 160.9

86 63.3 44.9 83.5



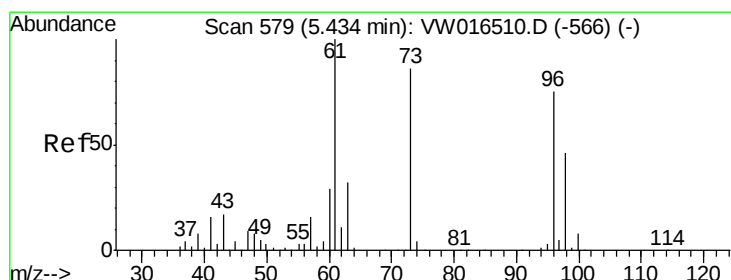
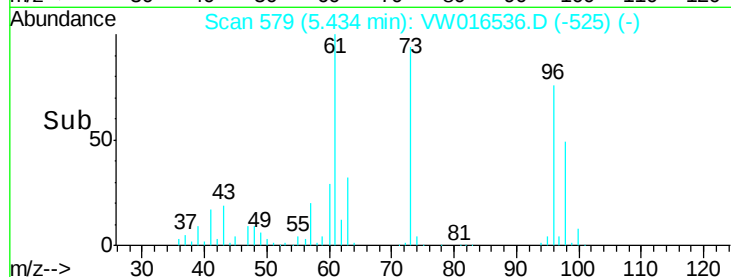
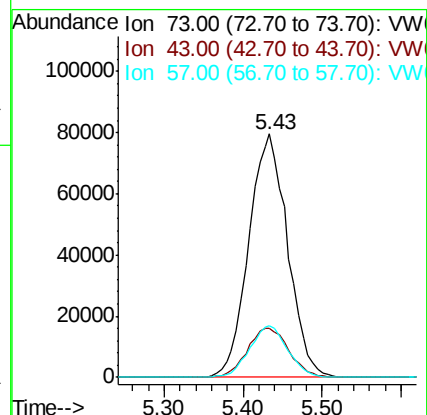
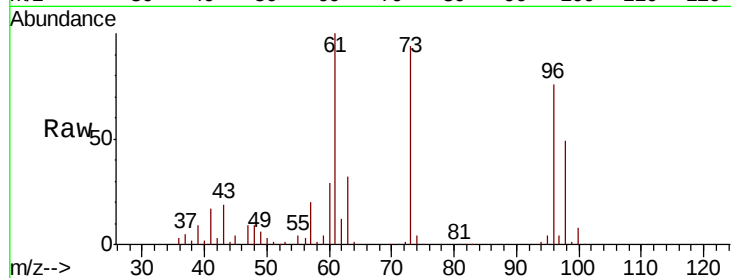


#17

Methyl tert-butyl Ether
 Concen: 25.613 ug/L
 RT: 5.43 min Scan# 579
 Delta R.T. -0.00 min
 Lab File: VW016536.D
 Acq: 11 Sep 2020 08:56

Instrument :
 MSVOA_W
 ClientSampled :

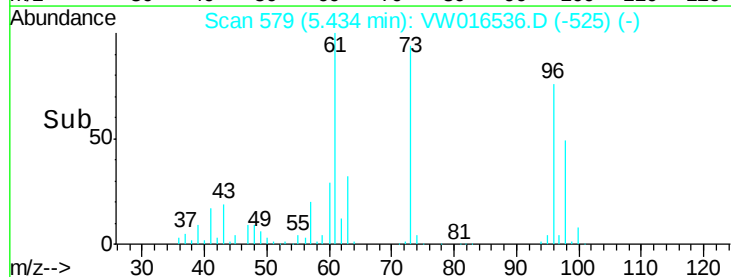
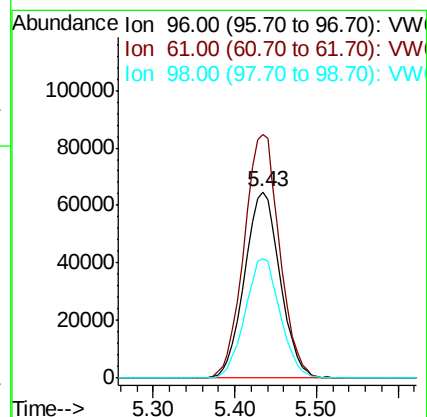
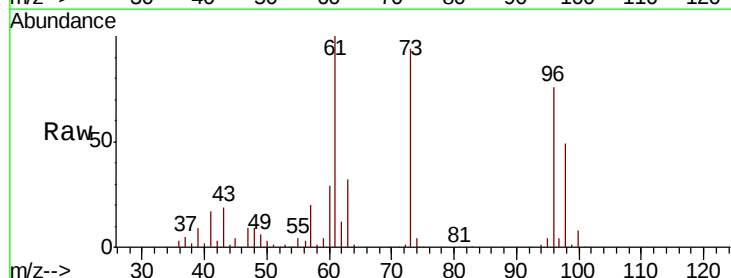
Tot Ion:	73	Resp:	271419
Ion	Ratio	Lower	Upper
73	100		
43	21.2	17.9	26.9
57	21.0	17.4	26.0

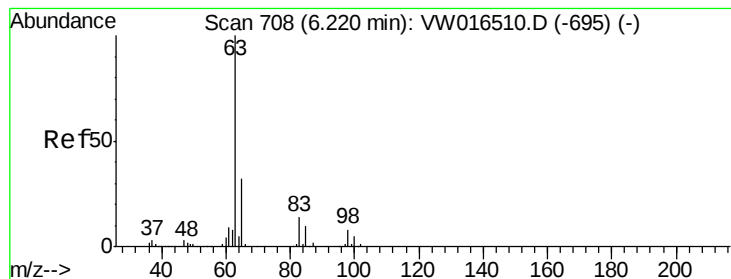


#18

trans-1,2-Dichloroethene
 Concen: 26.108 ug/L
 RT: 5.43 min Scan# 579
 Delta R.T. -0.00 min
 Lab File: VW016536.D
 Acq: 11 Sep 2020 08:56

Tgt Ion:	96	Resp:	195894
Ion	Ratio	Lower	Upper
96	100		
61	130.8	96.4	179.0
98	64.5	45.1	83.7





#19

1,1-Dichloroethane

Concen: 25.737 ug/L

RT: 6.23 min Scan# 709

Delta R.T. 0.01 min

Lab File: VW016536.D

Acq: 11 Sep 2020 08:56

Instrument :

MSVOA_W

ClientSampled :

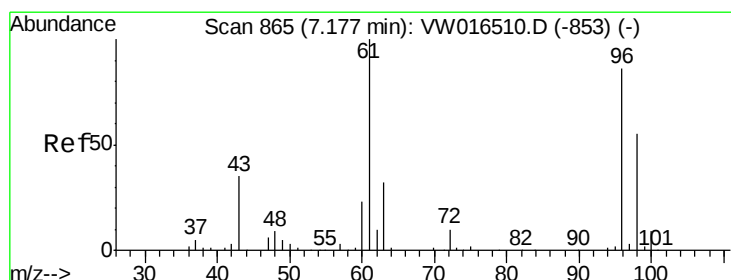
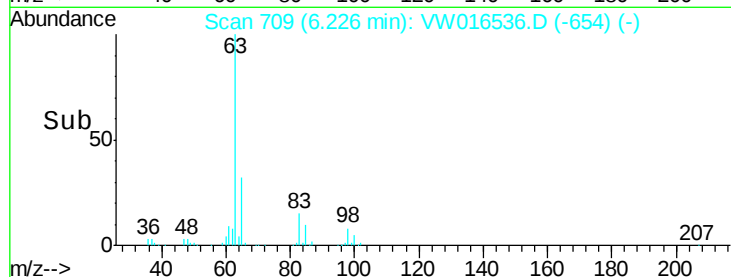
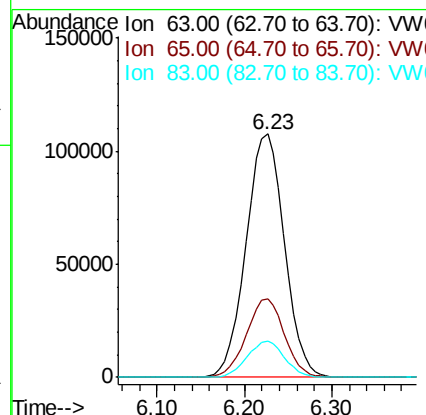
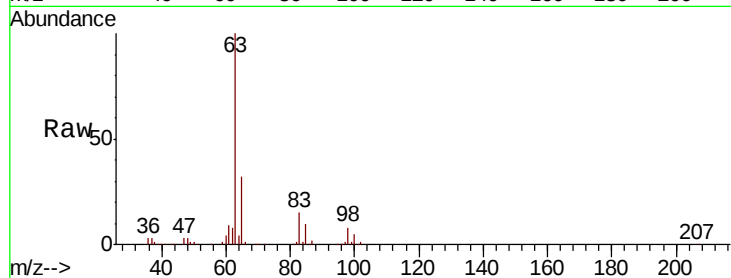
Tot Ion: 63 Resp: 328668

Ion Ratio Lower Upper

63 100

65 32.5 23.3 43.3

83 15.1 10.3 19.1



#21

2-Butanone

Concen: 41.191 ug/L

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW016536.D

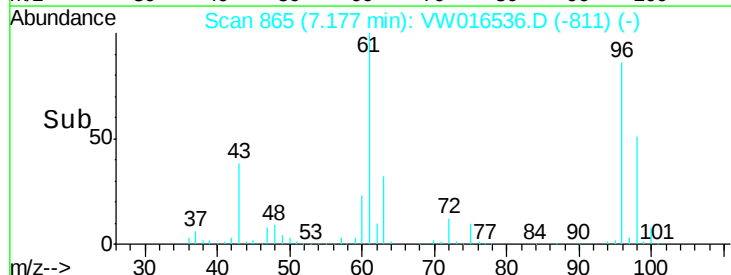
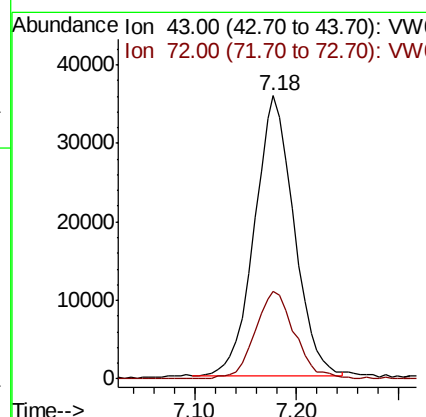
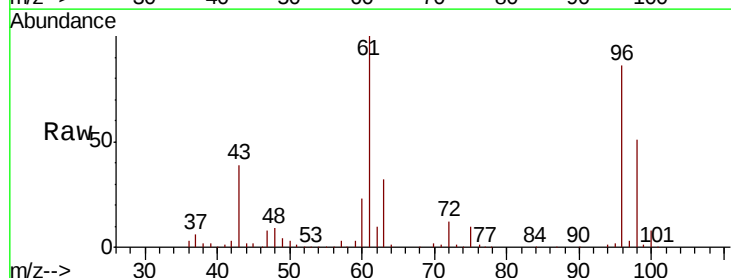
Acq: 11 Sep 2020 08:56

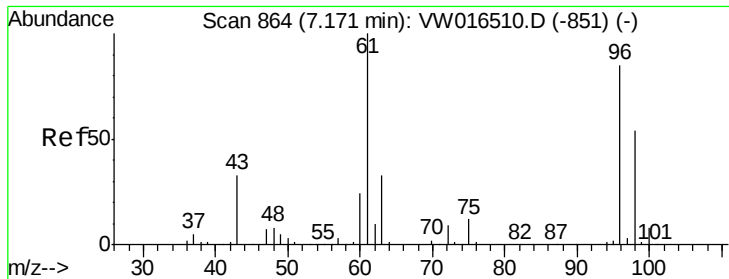
Tgt Ion: 43 Resp: 96381

Ion Ratio Lower Upper

43 100

72 31.4 13.5 40.4



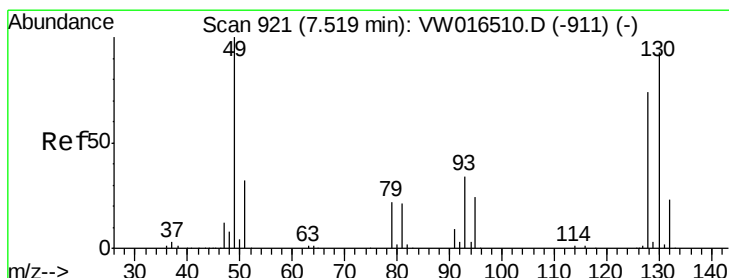
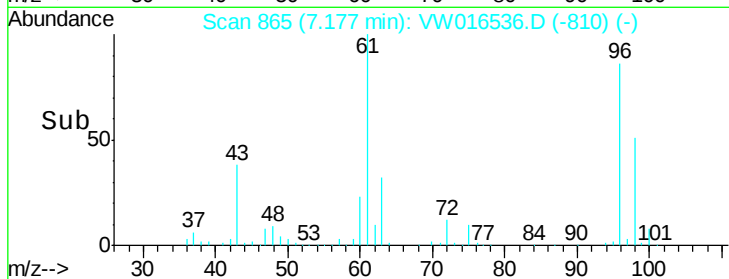
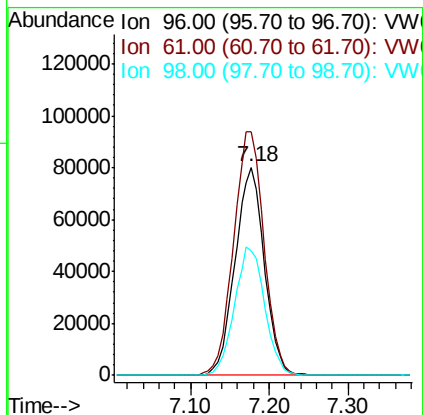
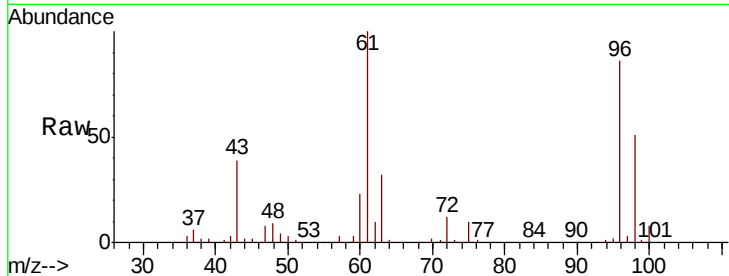


#22

cis-1,2-Dichloroethene
 Concen: 26.456 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VW016536.D
 Acq: 11 Sep 2020 08:56

Instrument :
 MSVOA_W
 ClientSampleId :

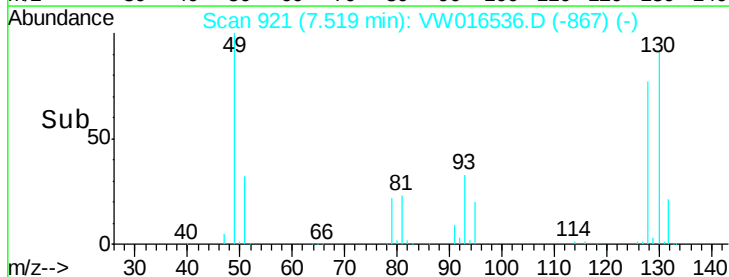
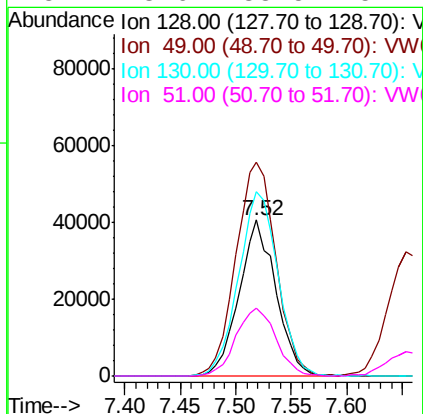
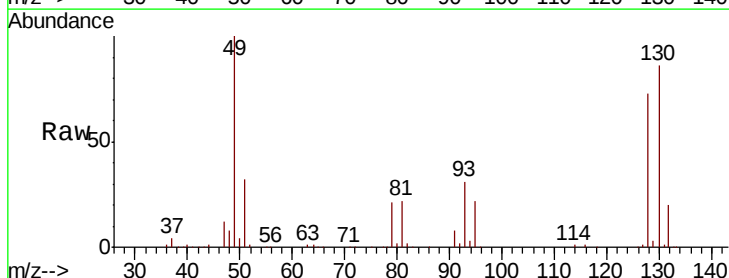
Tot Ion	96	Resp	206799
Ion	Ratio	Lower	Upper
96	100		
61	116.7	86.1	159.9
98	59.9	44.1	81.9

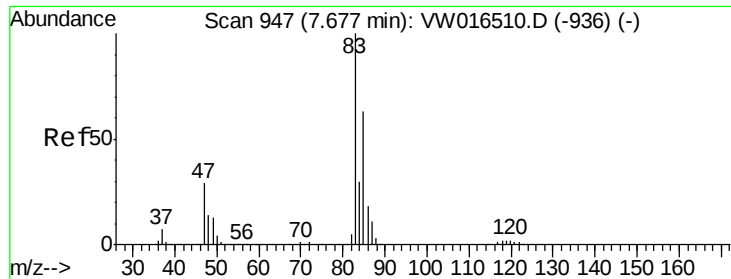


#23

Bromochloromethane
 Concen: 25.740 ug/L
 RT: 7.52 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VW016536.D
 Acq: 11 Sep 2020 08:56

Tgt Ion	128	Resp	93266
Ion	Ratio	Lower	Upper
128	100		
49	137.2	111.6	207.4
130	118.3	90.9	168.7
51	43.6	38.5	57.7

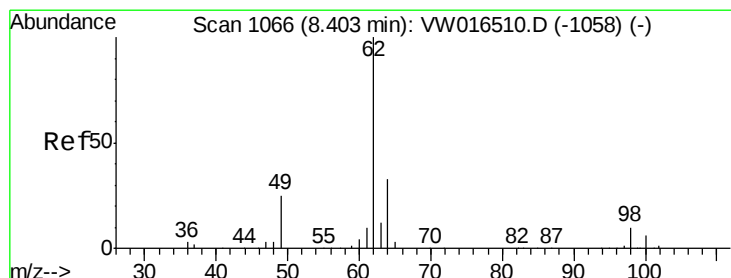
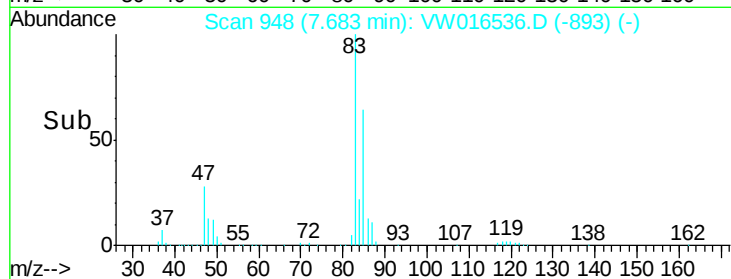
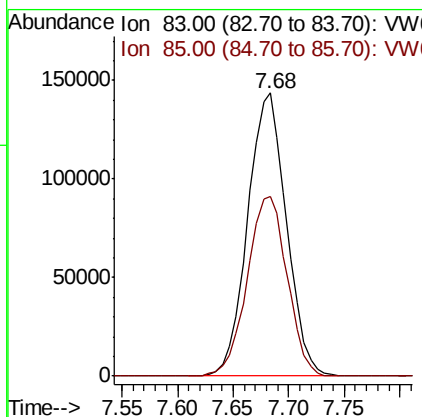
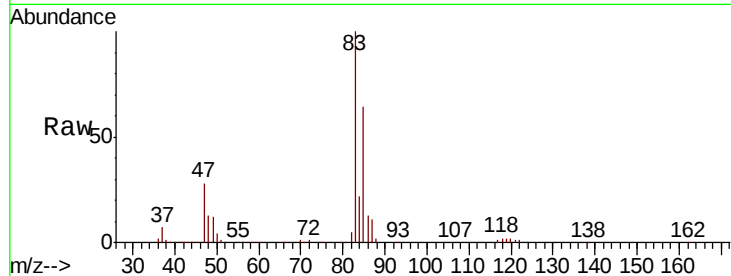




#25
Chloroform
Concen: 26.299 ug/L
RT: 7.68 min Scan# 948
Delta R.T. 0.01 min
Lab File: VW016536.D
Acq: 11 Sep 2020 08:56

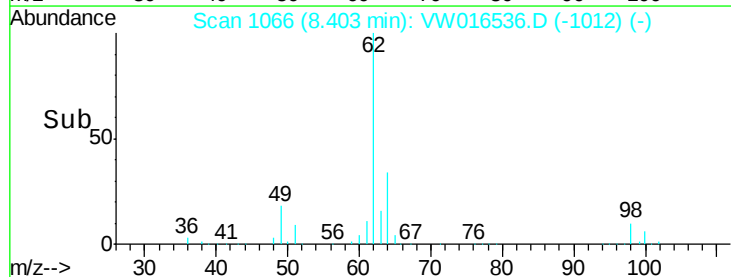
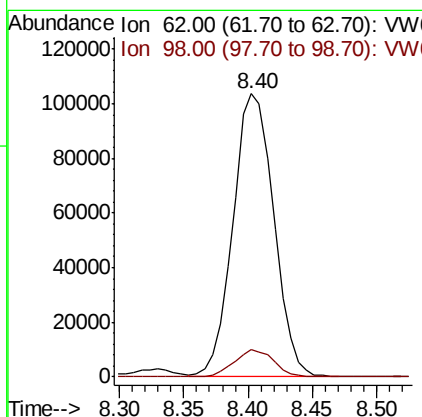
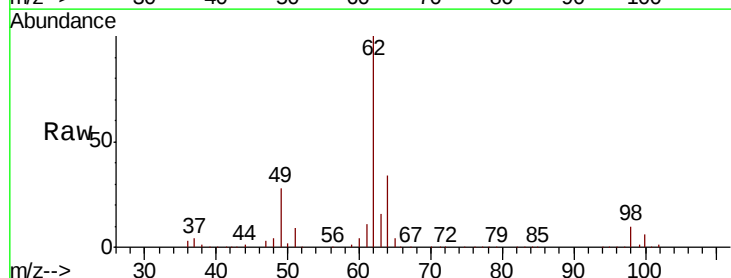
Instrument :
MSVOA_W
ClientSampleId :

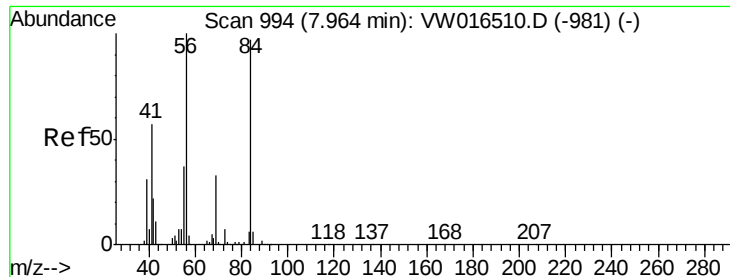
Tot Ion: 83 Resp: 347614
Ion Ratio Lower Upper
83 100
85 65.6 45.6 84.8



#27
1,2-Dichloroethane
Concen: 25.934 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW016536.D
Acq: 11 Sep 2020 08:56

Tgt Ion: 62 Resp: 228260
Ion Ratio Lower Upper
62 100
98 9.5 7.3 10.9

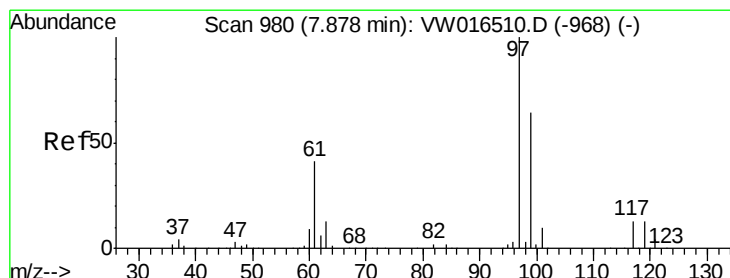
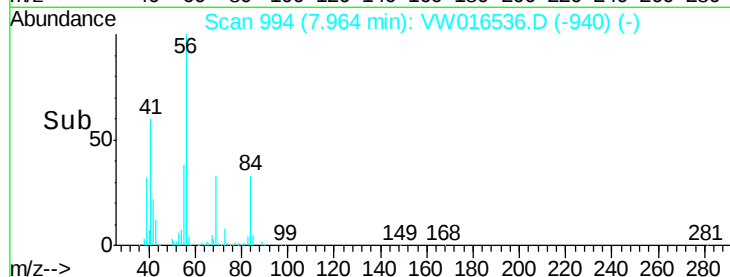
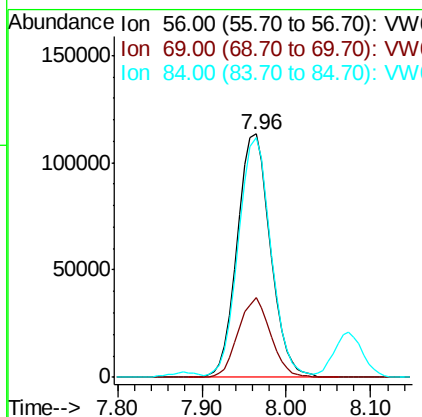
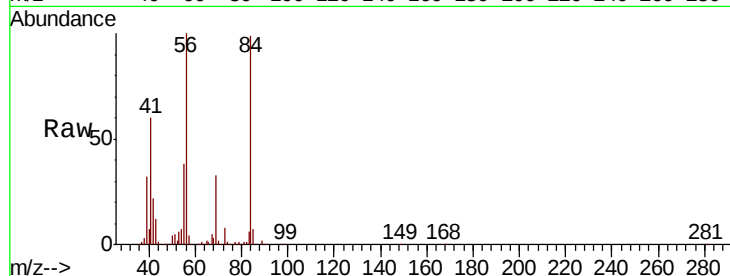




#30
Cyclohexane
Concen: 24.479 ug/L
RT: 7.96 min Scan# 994
Delta R.T. -0.00 min
Lab File: VW016536.D
Acq: 11 Sep 2020 08:56

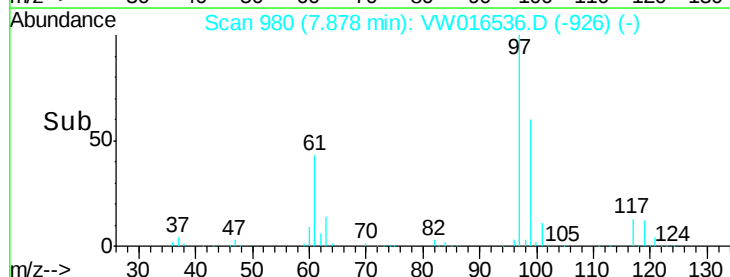
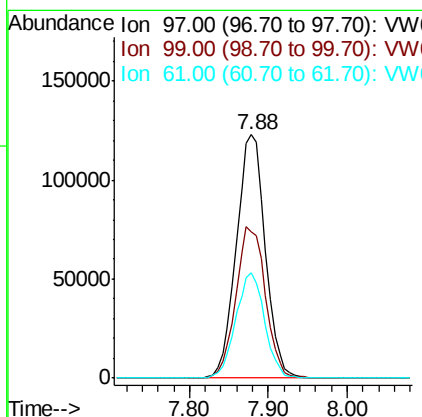
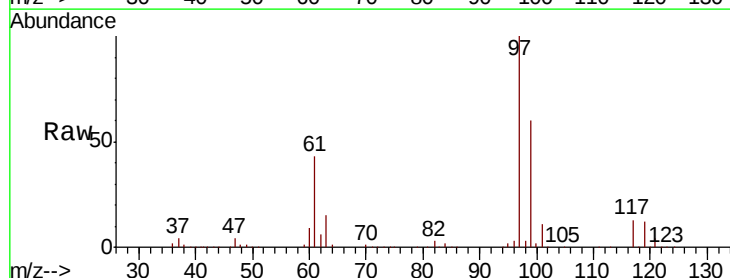
Instrument :
MSVOA_W
ClientSampled :

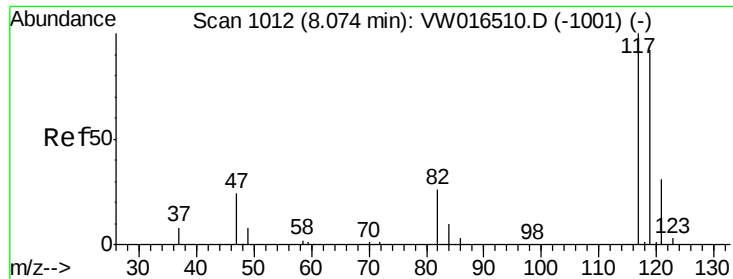
Tot Ion: 56 Resp: 301756
Ion Ratio Lower Upper
56 100
69 31.9 25.3 37.9
84 97.1 71.6 107.4



#31
1,1,1-Trichloroethane
Concen: 28.076 ug/L
RT: 7.88 min Scan# 980
Delta R.T. -0.00 min
Lab File: VW016536.D
Acq: 11 Sep 2020 08:56

Tgt Ion: 97 Resp: 313721
Ion Ratio Lower Upper
97 100
99 63.8 52.2 78.2
61 43.1 36.3 54.5





#32

Carbon tetrachloride

Concen: 27.779 ug/L

RT: 8.08 min Scan# 1013

Delta R.T. 0.01 min

Lab File: VW016536.D

Acq: 11 Sep 2020 08:56

Instrument :

MSVOA_W

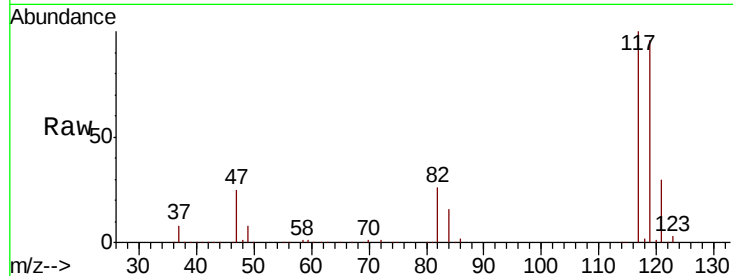
ClientSampled :

Tot Ion:117 Resp: 296904

Ion Ratio Lower Upper

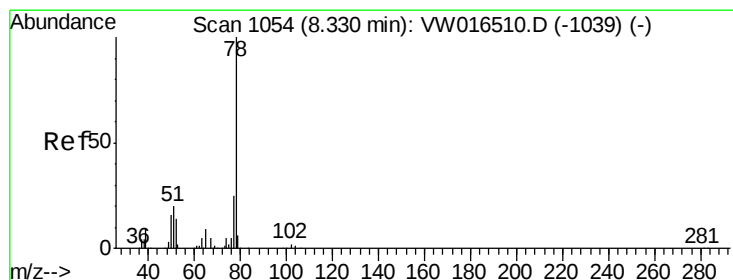
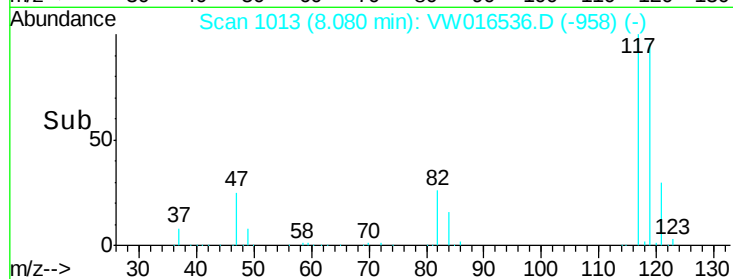
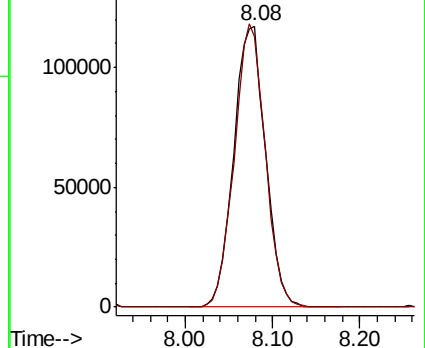
117 100

119 97.7 77.8 116.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 26.526 ug/L

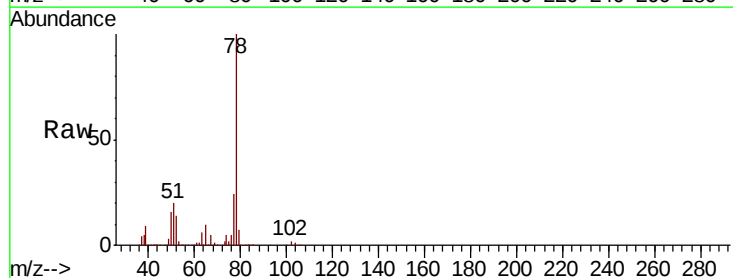
RT: 8.33 min Scan# 1054

Delta R.T. -0.00 min

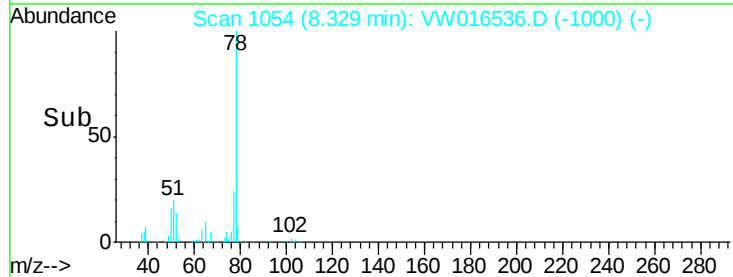
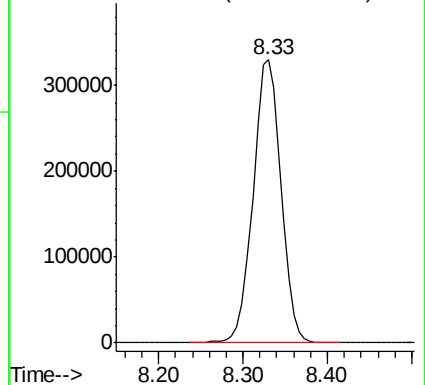
Lab File: VW016536.D

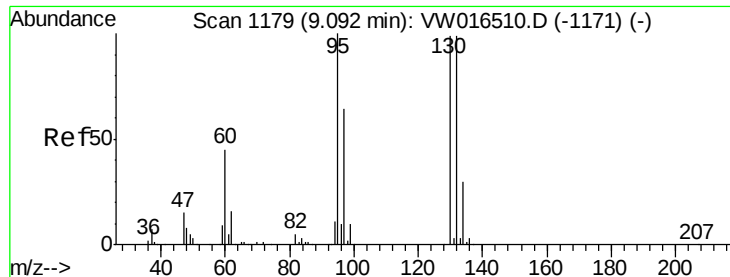
Acq: 11 Sep 2020 08:56

Tgt Ion: 78 Resp: 748414



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 26.512 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VW016536.D

Acq: 11 Sep 2020 08:56

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 95 Resp: 207274

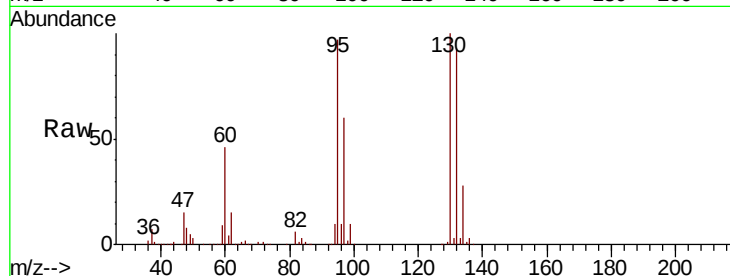
Ion Ratio Lower Upper

95 100

97 63.9 44.9 83.5

132 98.1 69.2 128.4

130 103.0 72.0 133.6

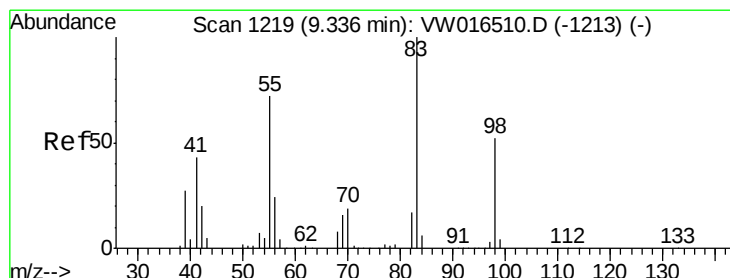
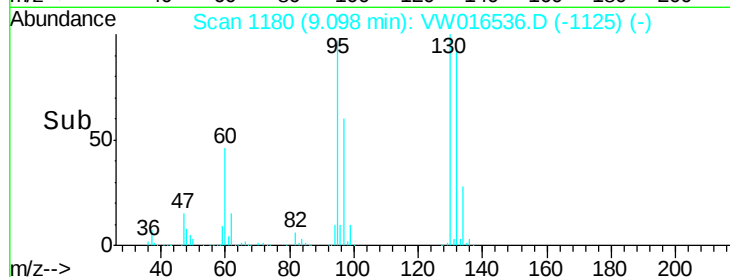
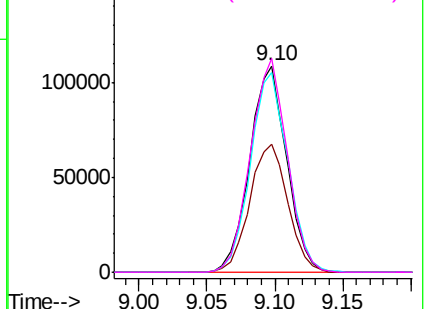


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#36

Methylcyclohexane

Concen: 25.758 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW016536.D

Acq: 11 Sep 2020 08:56

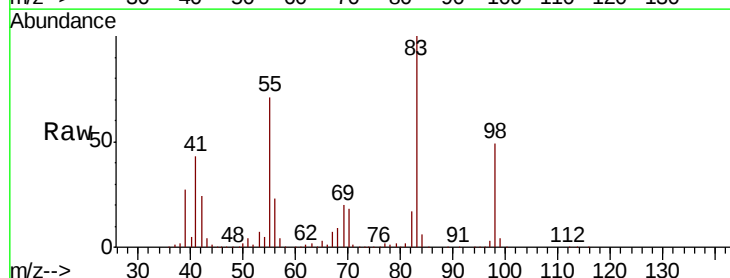
Tgt Ion: 83 Resp: 352338

Ion Ratio Lower Upper

83 100

55 71.7 60.9 91.3

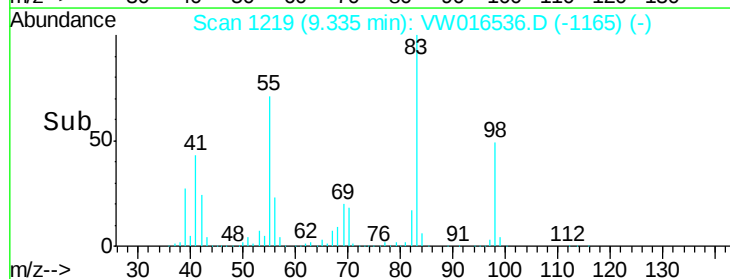
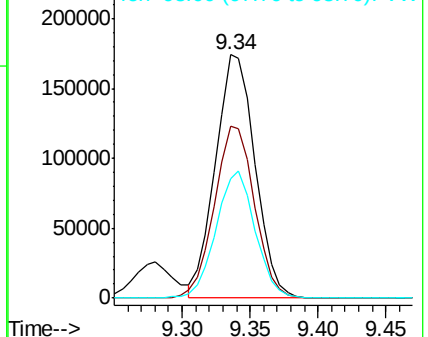
98 51.3 40.0 60.0

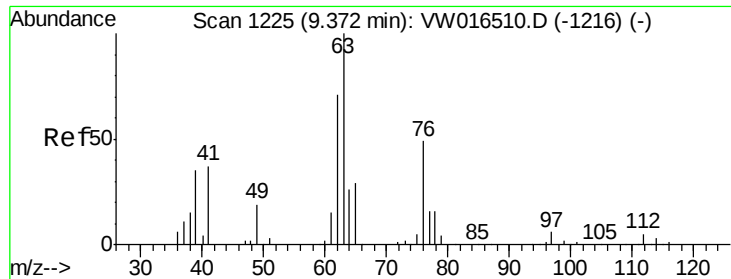


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

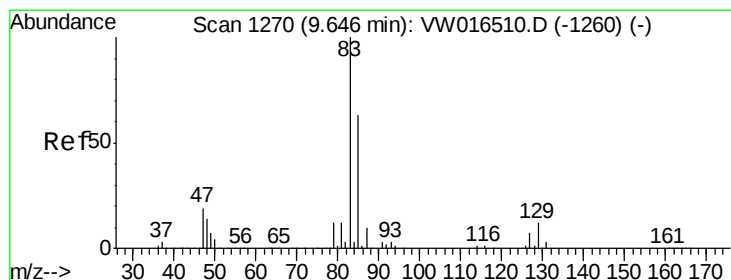
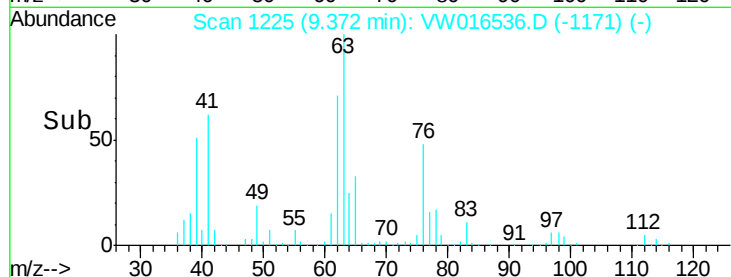
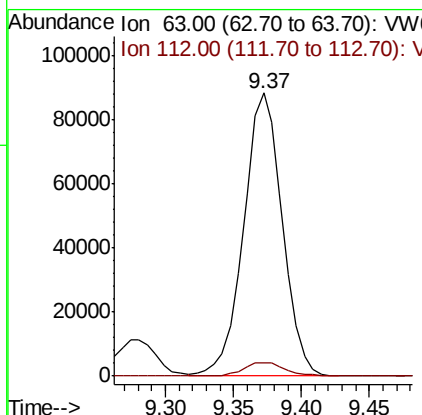
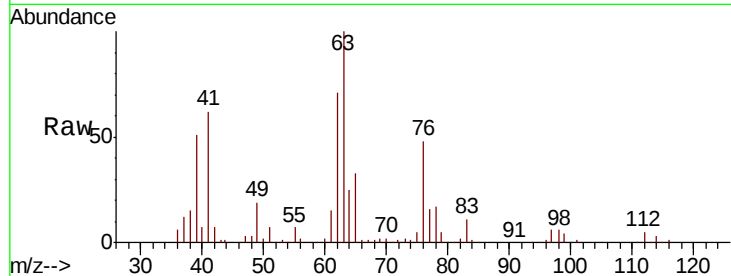




#40
 1,2-Dichloropropane
 Concen: 25.163 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW016536.D
 Acq: 11 Sep 2020 08:56

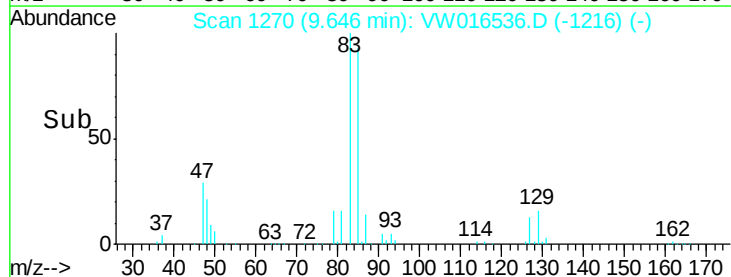
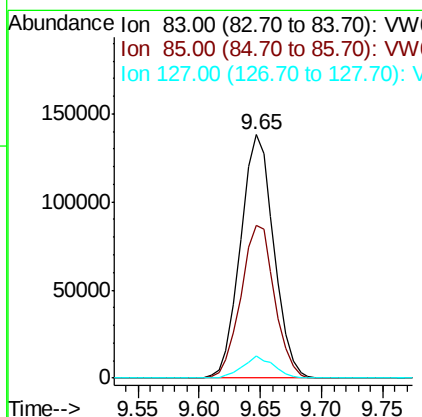
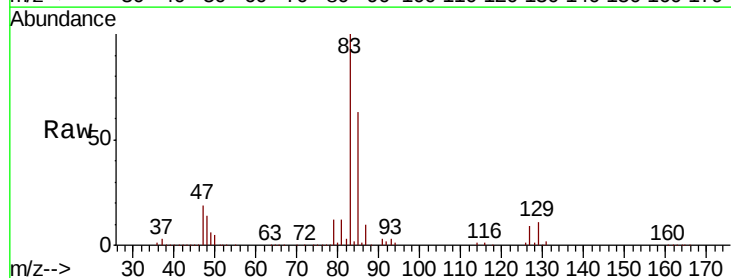
Instrument :
 MSVOA_W
 ClientSampled :

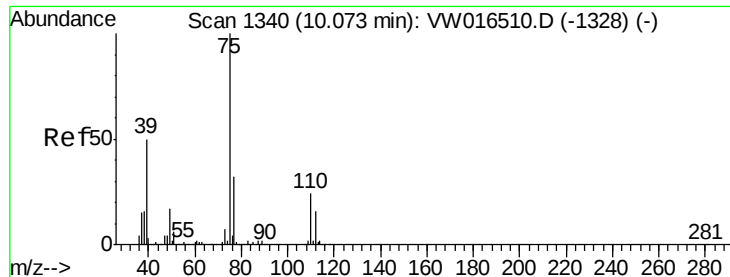
Tot Ion: 63 Resp: 175538
 Ion Ratio Lower Upper
 63 100
 112 5.1 3.8 5.8



#41
 Bromodichloromethane
 Concen: 26.824 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW016536.D
 Acq: 11 Sep 2020 08:56

Tgt Ion: 83 Resp: 261619
 Ion Ratio Lower Upper
 83 100
 85 62.7 43.5 80.7
 127 8.9 6.7 10.1





#42

cis-1,3-Dichloropropene

Concen: 25.281 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW016536.D

Acq: 11 Sep 2020 08:56

Instrument :

MSVOA_W

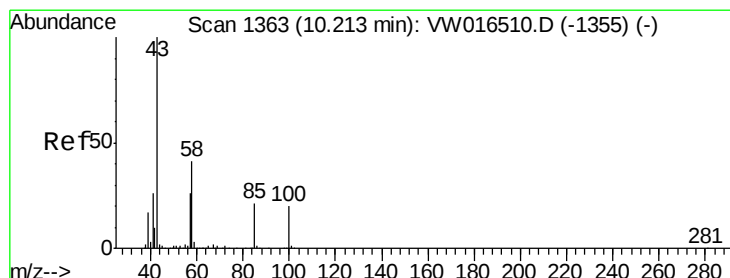
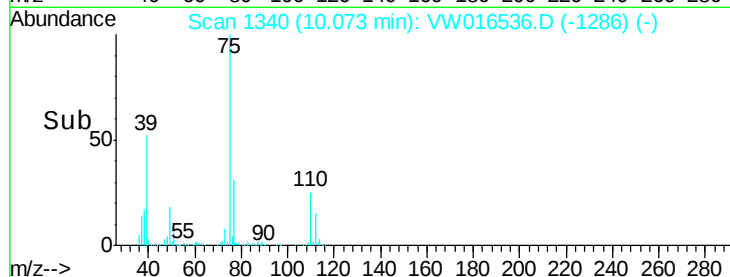
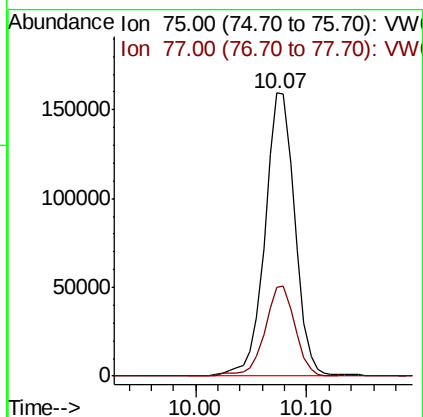
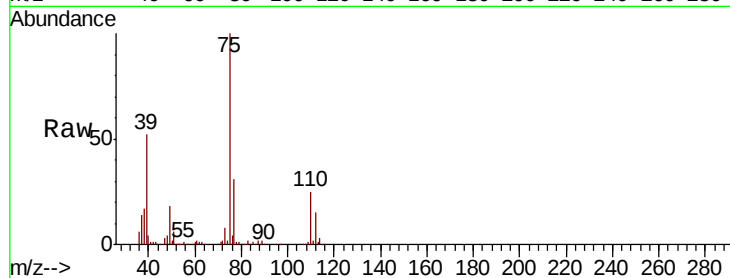
ClientSampled :

Tot Ion: 75 Resp: 299284

Ion Ratio Lower Upper

75 100

77 31.4 20.9 38.7



#43

4-Methyl-2-pentanone

Concen: 45.944 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW016536.D

Acq: 11 Sep 2020 08:56

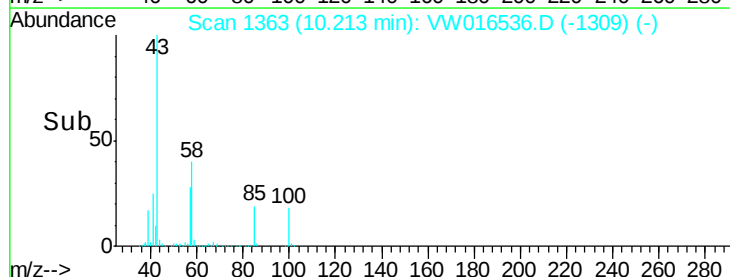
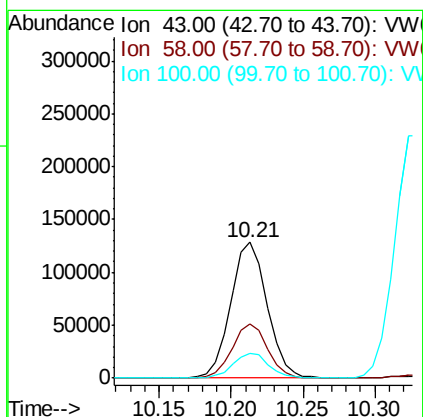
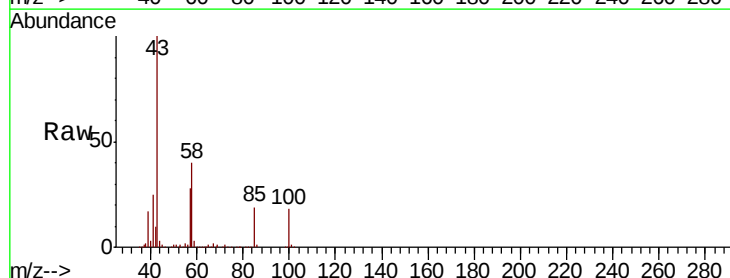
Tgt Ion: 43 Resp: 226957

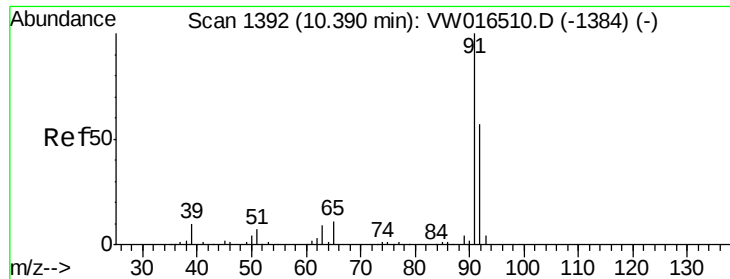
Ion Ratio Lower Upper

43 100

58 39.1 30.6 45.8

100 18.1 13.0 19.6





#44

Toluene

Concen: 26.705 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW016536.D

Acq: 11 Sep 2020 08:56

Instrument :

MSVOA_W

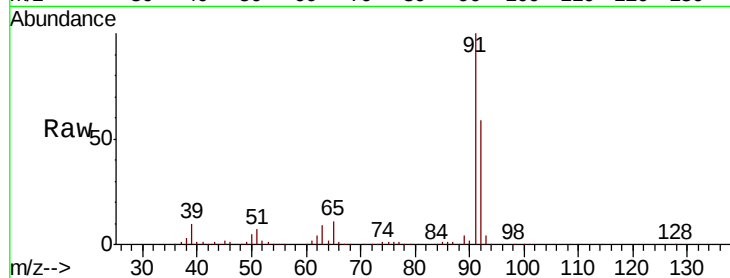
ClientSampled :

Tot Ion: 91 Resp: 843146

Ion Ratio Lower Upper

91 100

92 58.6 39.5 73.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.39

500000

400000

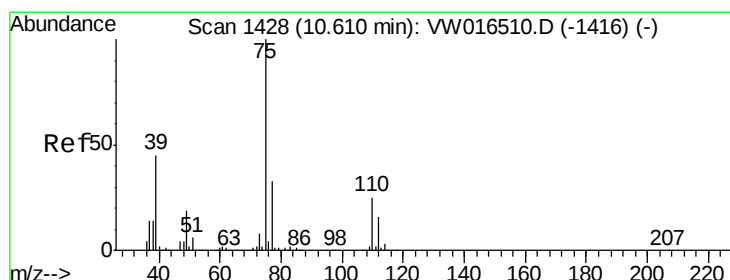
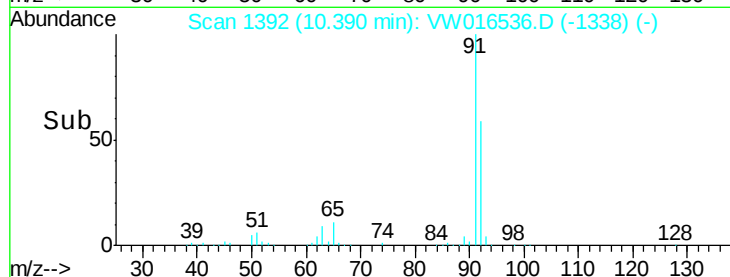
300000

200000

100000

0

Time--> 10.30 10.40



#45

trans-1,3-Dichloropropene

Concen: 25.585 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW016536.D

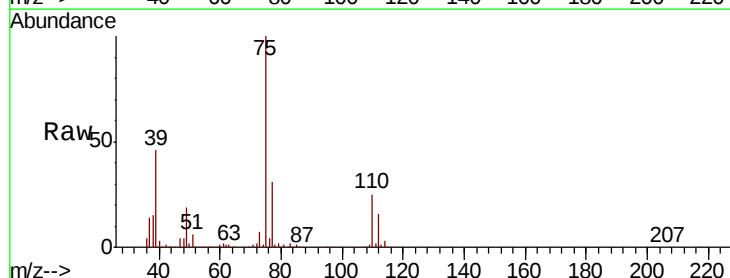
Acq: 11 Sep 2020 08:56

Tgt Ion: 75 Resp: 270741

Ion Ratio Lower Upper

75 100

77 31.4 21.9 40.7



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.61

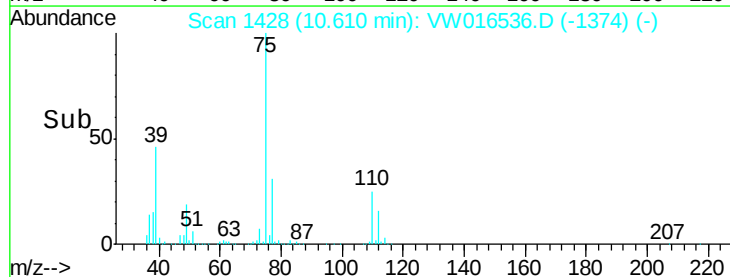
150000

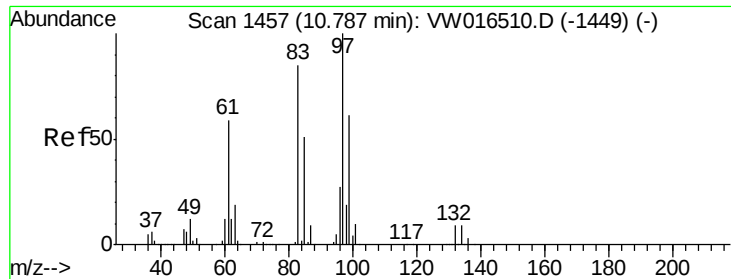
100000

50000

0

Time--> 10.50 10.60 10.70





#46

1,1,2-Trichloroethane

Concen: 26.447 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW016536.D

Acq: 11 Sep 2020 08:56

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 146224

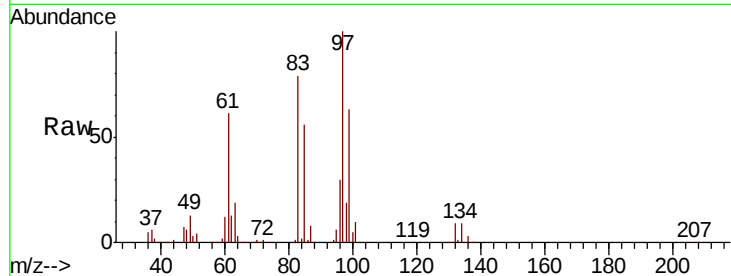
Ion Ratio Lower Upper

97 100

83 79.2 59.7 110.9

85 55.5 37.6 69.8

99 63.0 42.3 78.5



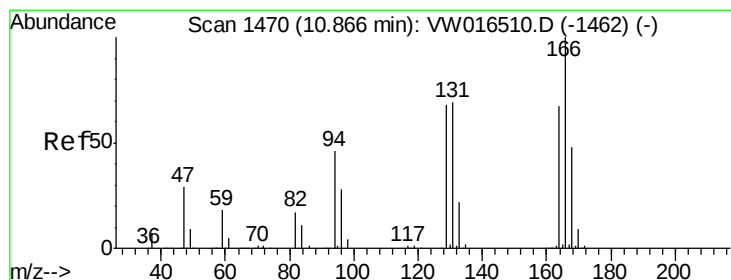
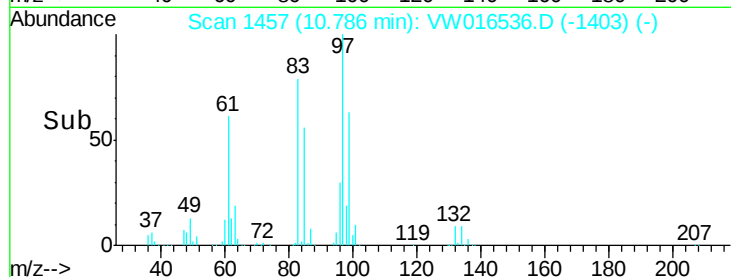
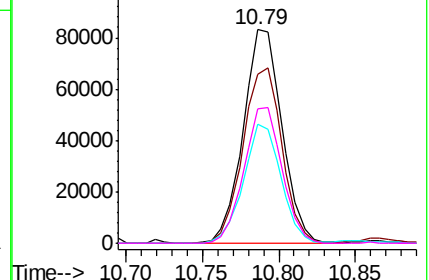
Abundance

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: 25.652 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW016536.D

Acq: 11 Sep 2020 08:56

Tgt Ion: 164 Resp: 160795

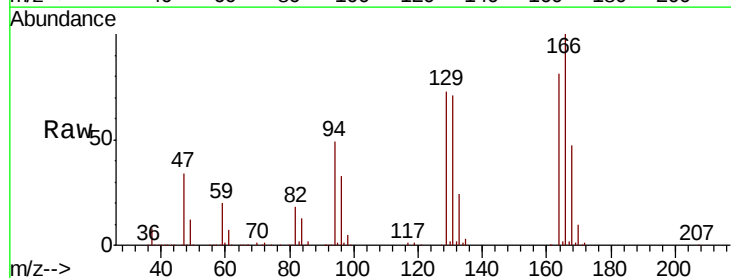
Ion Ratio Lower Upper

164 100

129 90.0 65.7 121.9

131 87.7 61.1 113.5

166 123.9 85.0 157.8



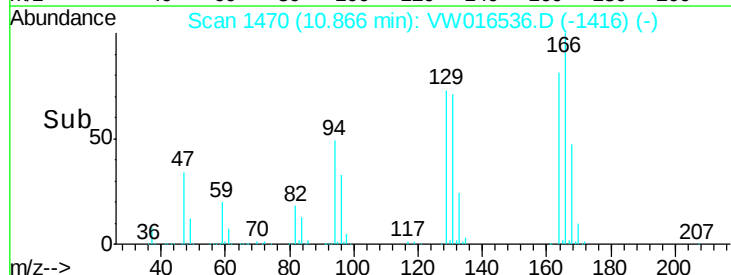
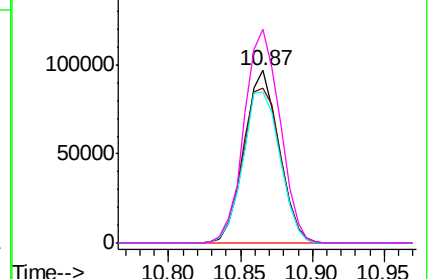
Abundance

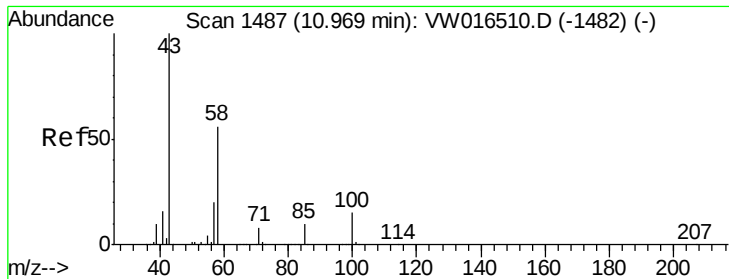
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#49

2-Hexanone

Concen: 44.061 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW016536.D

Acq: 11 Sep 2020 08:56

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 43 Resp: 151579

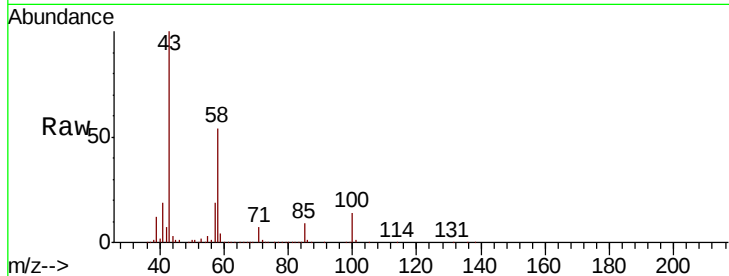
Ion Ratio Lower Upper

43 100

58 57.7 42.1 63.1

57 18.8 14.9 22.3

100 14.2 10.3 15.5

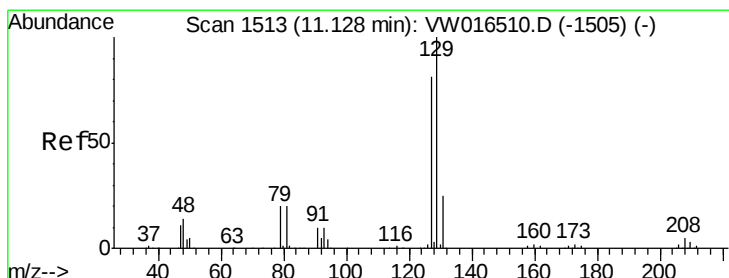
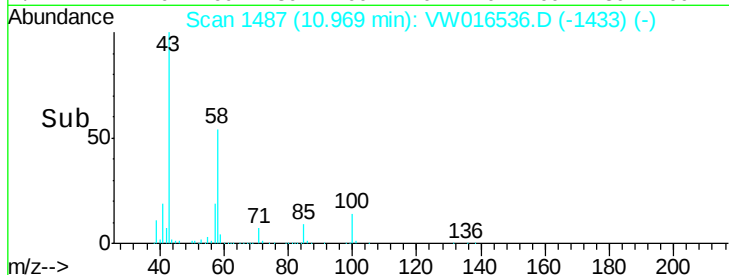
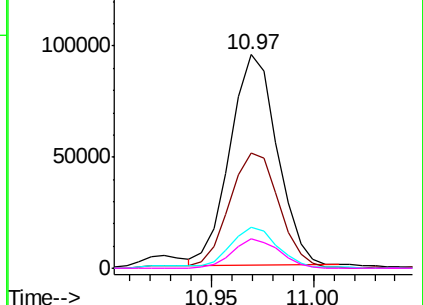


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 25.596 ug/L

RT: 11.13 min Scan# 1514

Delta R.T. 0.01 min

Lab File: VW016536.D

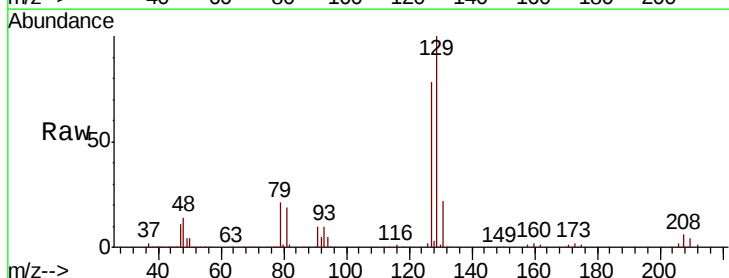
Acq: 11 Sep 2020 08:56

Tgt Ion: 129 Resp: 178947

Ion Ratio Lower Upper

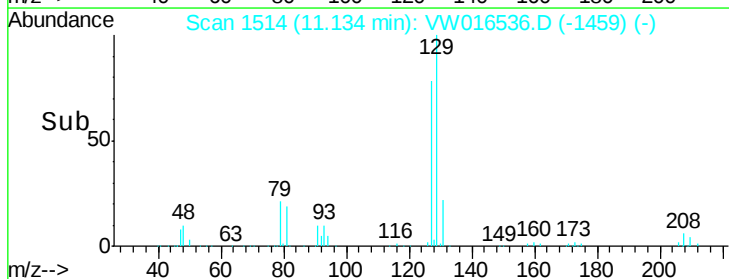
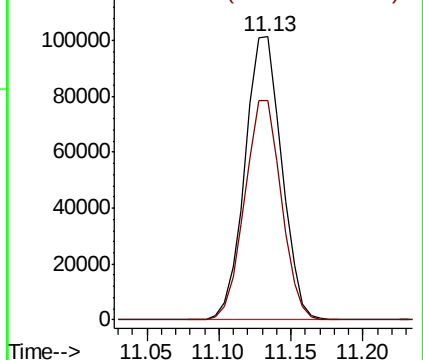
129 100

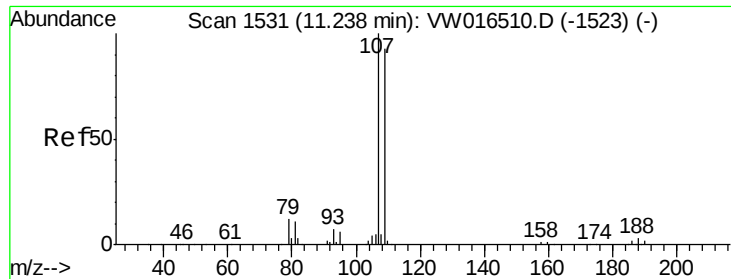
127 77.6 55.4 103.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

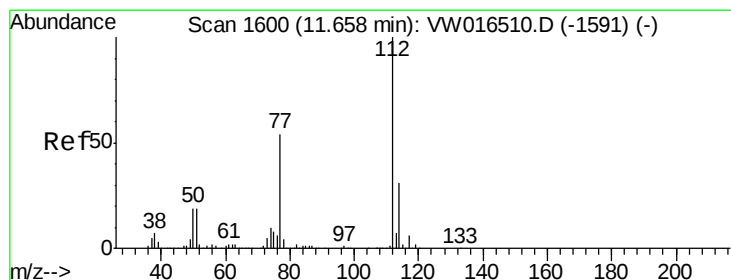
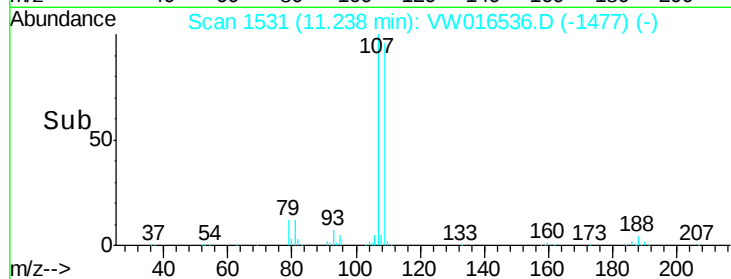
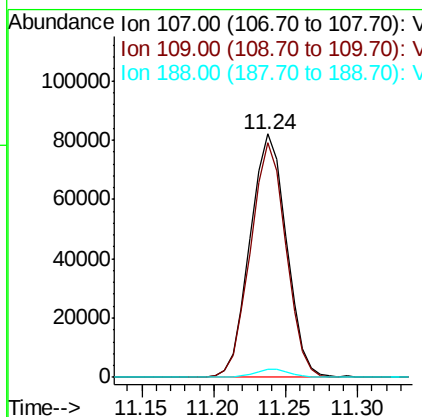
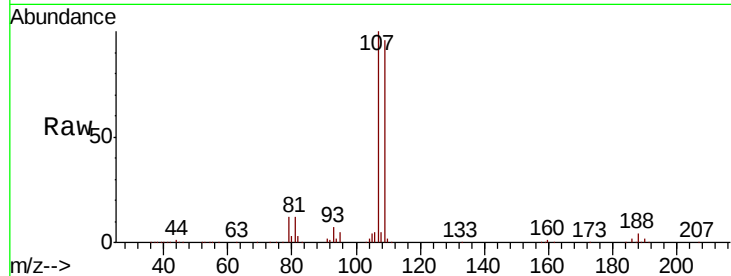




#51
1,2-Dibromoethane
Concen: 26.010 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW016536.D
Acq: 11 Sep 2020 08:56

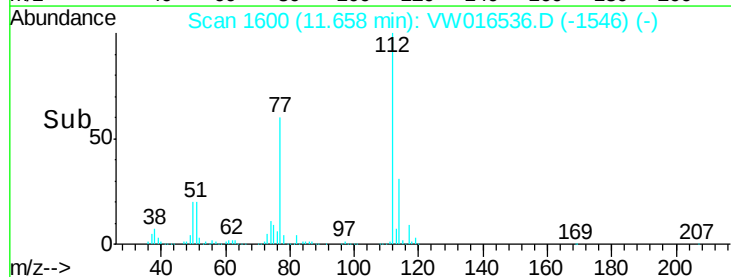
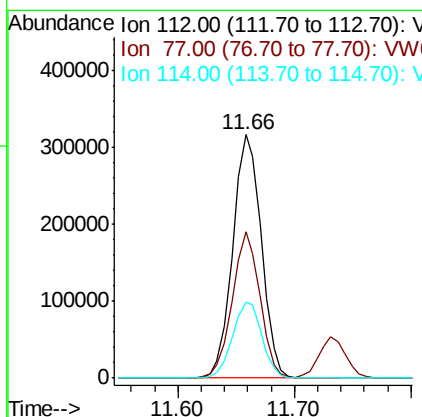
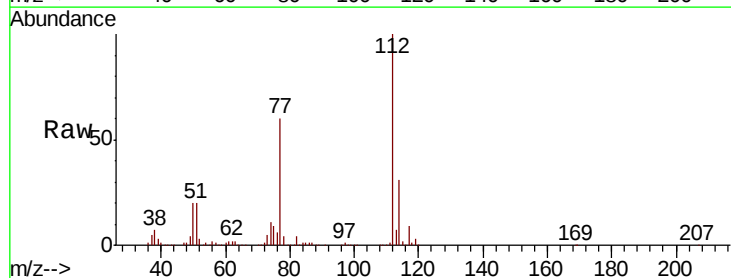
Instrument :
MSVOA_W
ClientSampled :

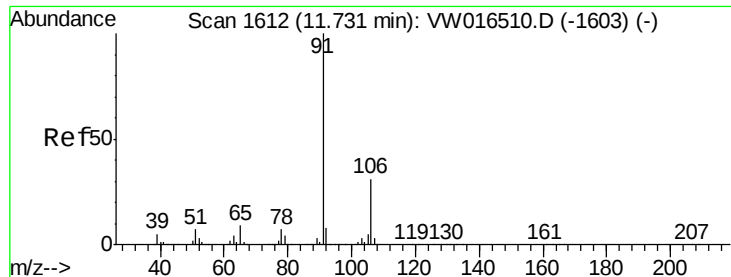
Tot Ion	Ratio	Lower	Upper
107	100		
109	96.1	64.8	120.4
188	3.6	3.4	5.0



#52
Chlorobenzene
Concen: 26.971 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW016536.D
Acq: 11 Sep 2020 08:56

Tgt Ion	Ratio	Lower	Upper
112	100		
77	59.9	46.2	69.2
114	30.9	21.1	39.3

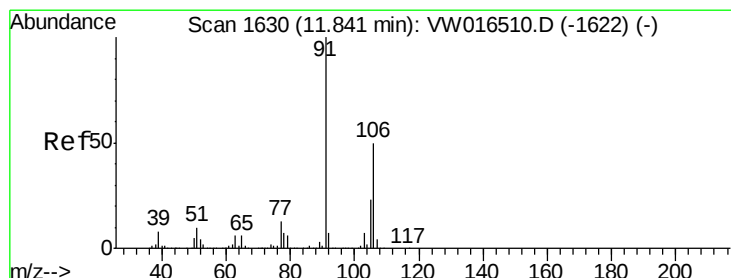
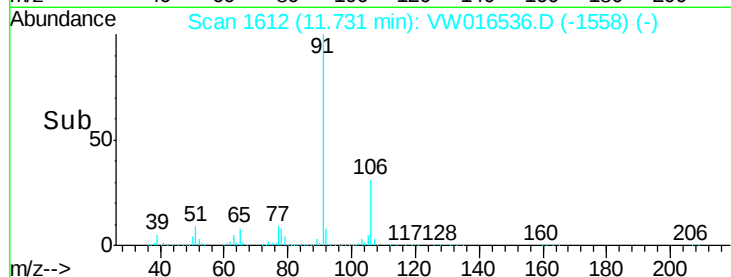
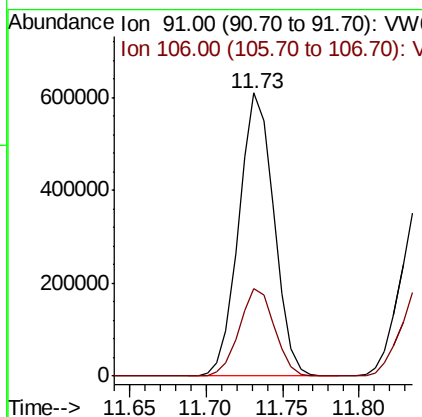
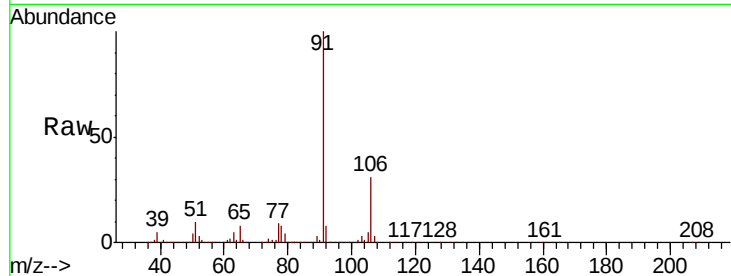




#53
Ethylbenzene
Concen: 27.327 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW016536.D
Acq: 11 Sep 2020 08:56

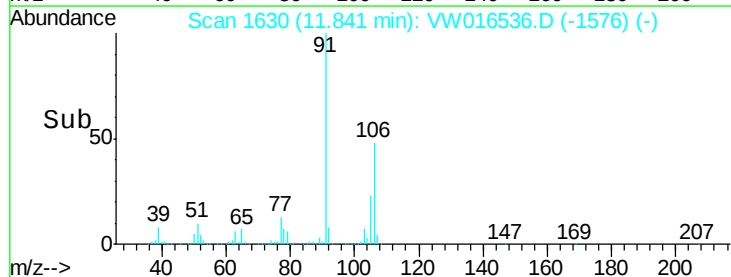
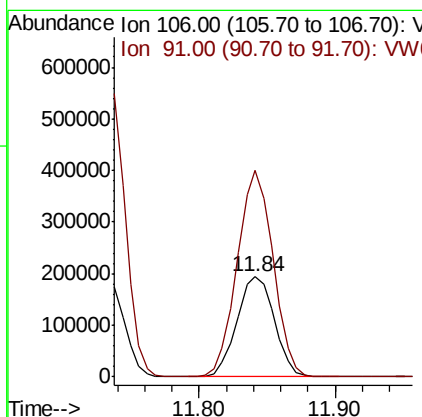
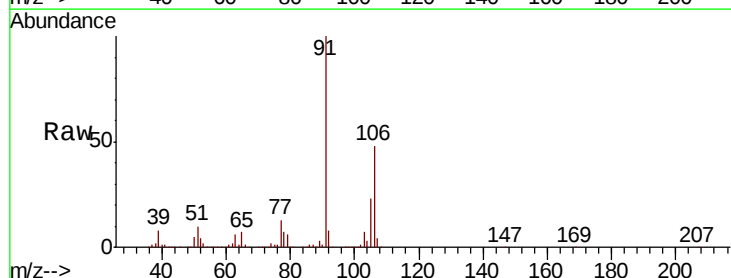
Instrument :
MSVOA_W
ClientSampleId :

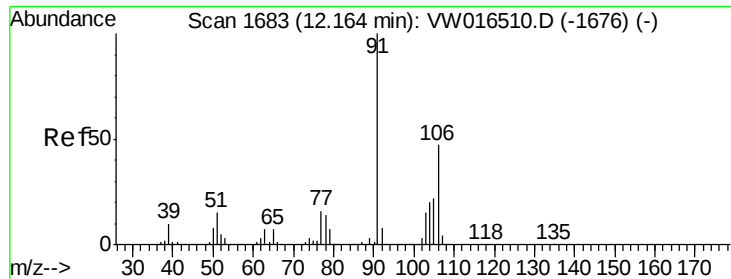
Tot Ion: 91 Resp: 971817
Ion Ratio Lower Upper
91 100
106 31.1 21.6 40.2



#54
m,p-Xylene
Concen: 27.449 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW016536.D
Acq: 11 Sep 2020 08:56

Tgt Ion:106 Resp: 373076
Ion Ratio Lower Upper
106 100
91 206.3 142.3 264.3

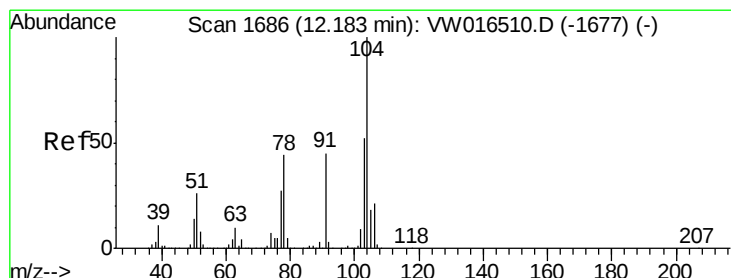
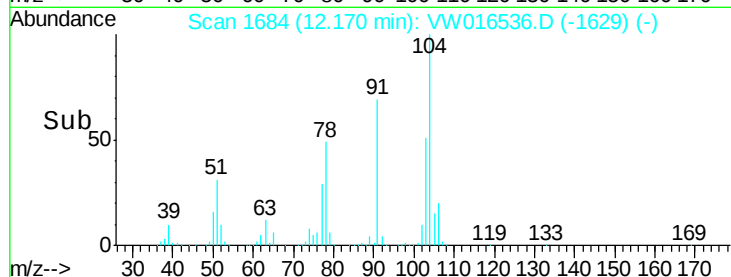
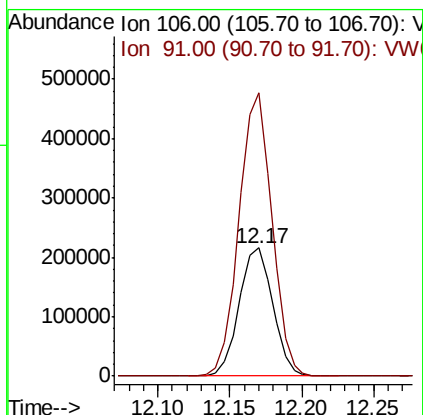
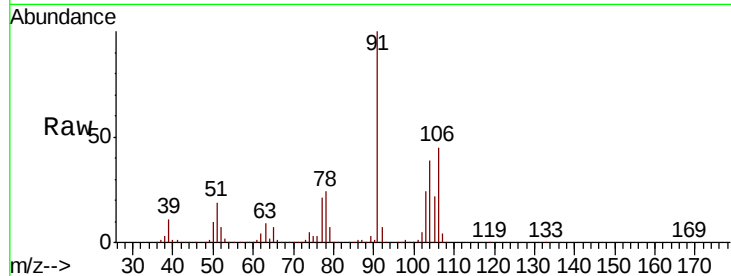




#55
o-xylene
Concen: 27.037 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW016536.D
Acq: 11 Sep 2020 08:56

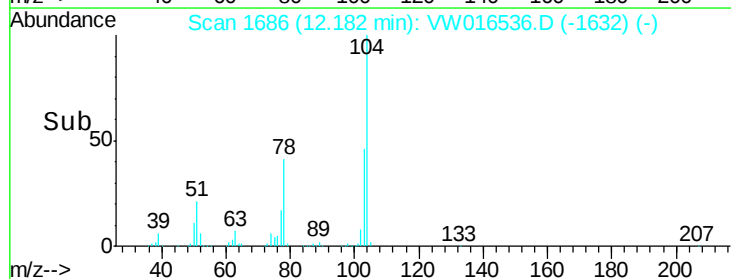
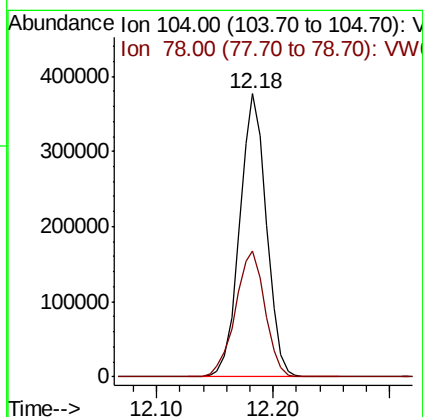
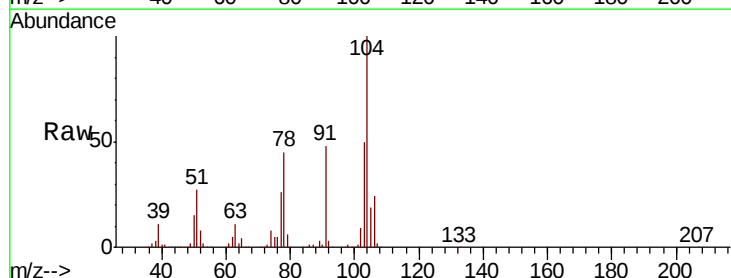
Instrument :
MSVOA_W
ClientSampled :

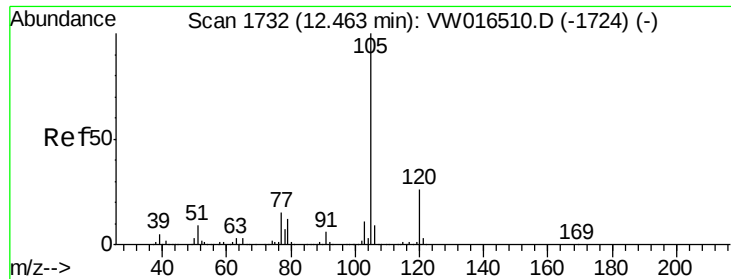
Tot Ion:106 Resp: 350050
Ion Ratio Lower Upper
106 100
91 220.8 144.3 267.9



#56
Styrene
Concen: 27.060 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW016536.D
Acq: 11 Sep 2020 08:56

Tgt Ion:104 Resp: 601948
Ion Ratio Lower Upper
104 100
78 44.7 32.8 61.0





#57

Isopropylbenzene

Concen: 28.244 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW016536.D

Acq: 11 Sep 2020 08:56

Instrument :

MSVOA_W

ClientSampleId :

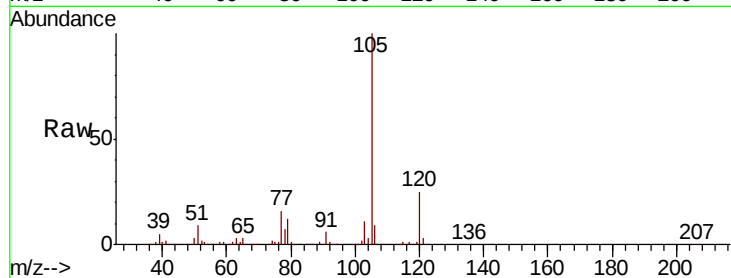
Tot Ion:105 Resp: 1001706

Ion Ratio Lower Upper

105 100

120 25.8 21.9 32.9

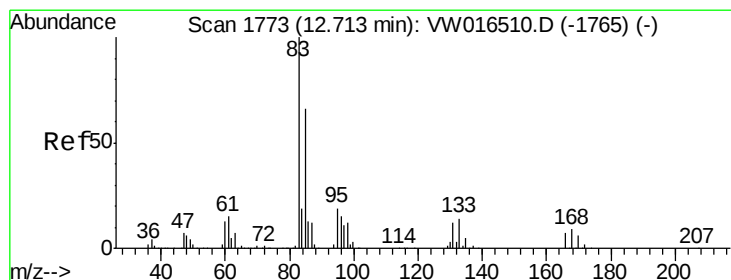
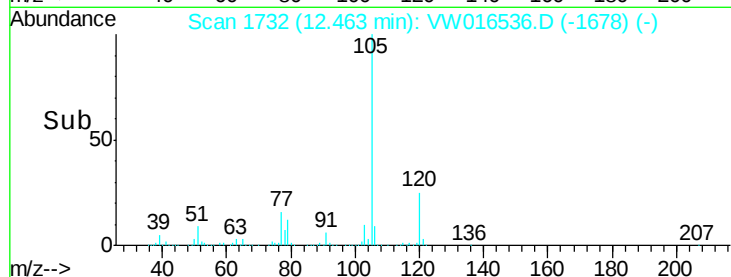
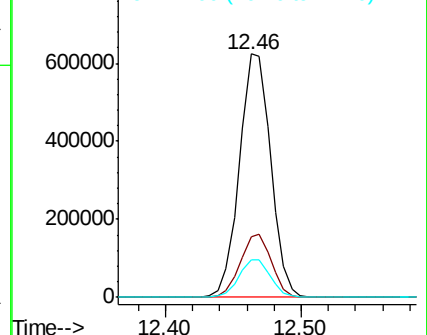
77 15.6 13.0 19.6



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: 27.051 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW016536.D

Acq: 11 Sep 2020 08:56

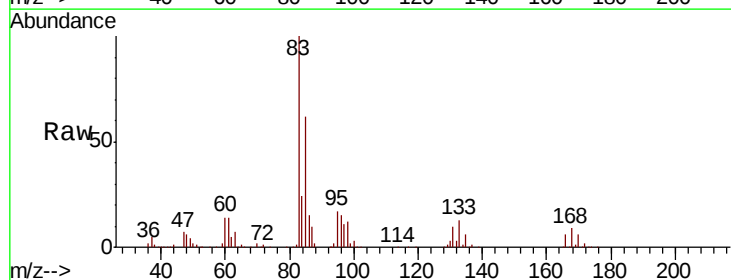
Tgt Ion: 83 Resp: 178295

Ion Ratio Lower Upper

83 100

85 62.5 45.3 84.1

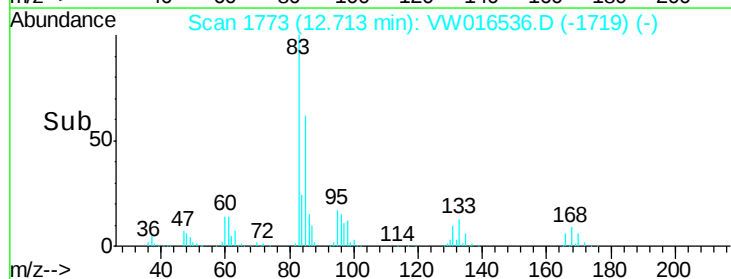
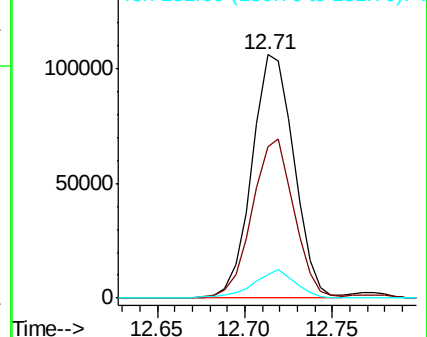
131 9.6 8.7 13.1

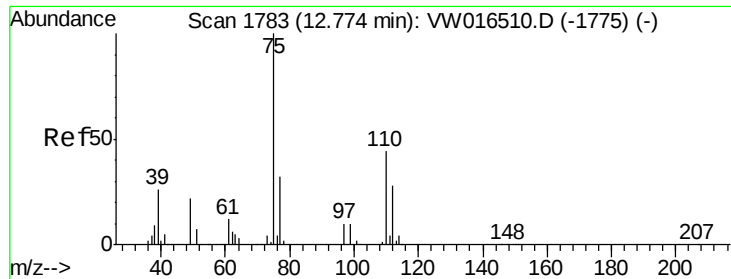


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 25.953 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.01 min

Lab File: VW016536.D

Acq: 11 Sep 2020 08:56

Instrument :

MSVOA_W

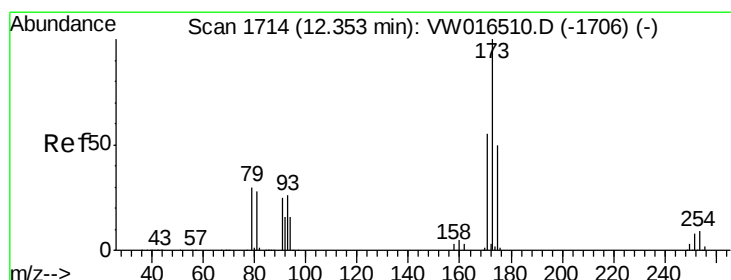
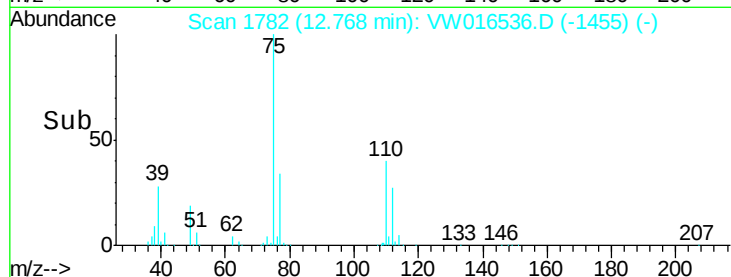
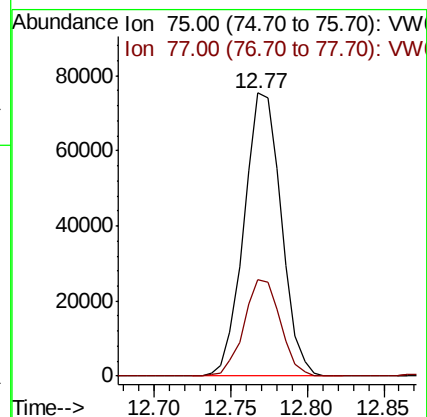
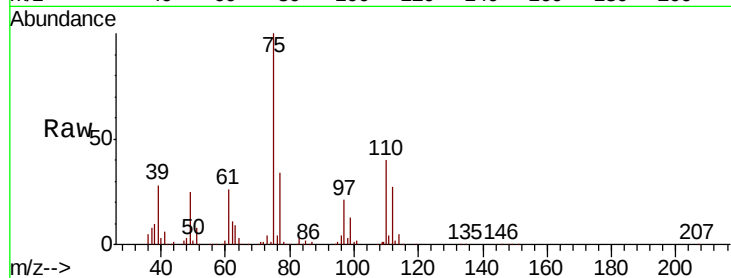
ClientSampleId :

Tot Ion: 75 Resp: 127847

Ion Ratio Lower Upper

75 100

77 33.4 26.0 39.0



#62

Bromoform

Concen: 24.570 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW016536.D

Acq: 11 Sep 2020 08:56

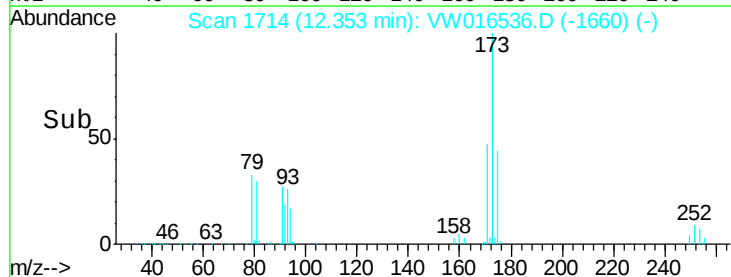
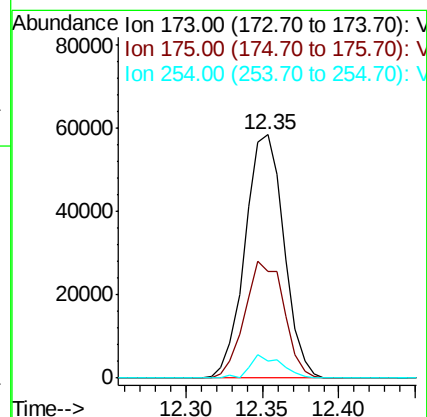
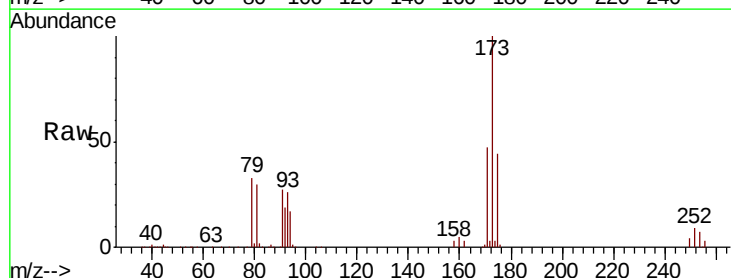
Tgt Ion: 173 Resp: 103414

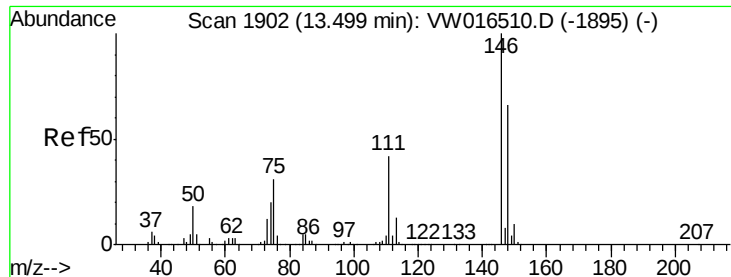
Ion Ratio Lower Upper

173 100

175 48.8 39.2 58.8

254 7.6 5.8 8.6

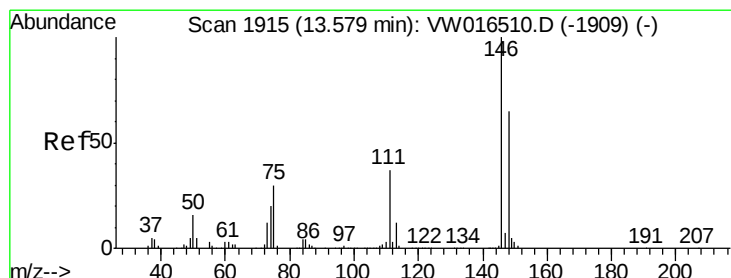
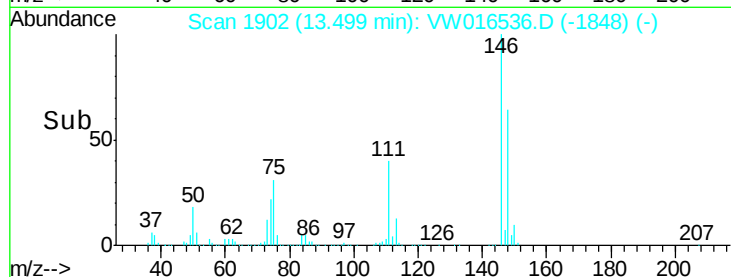
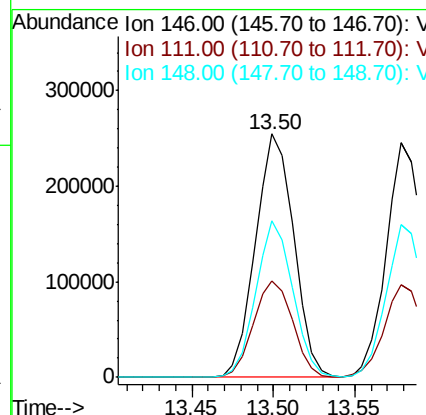
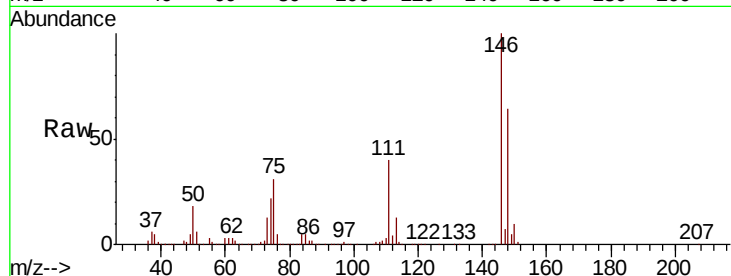




#63
 1,3-Dichlorobenzene
 Concen: 26.412 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW016536.D
 Acq: 11 Sep 2020 08:56

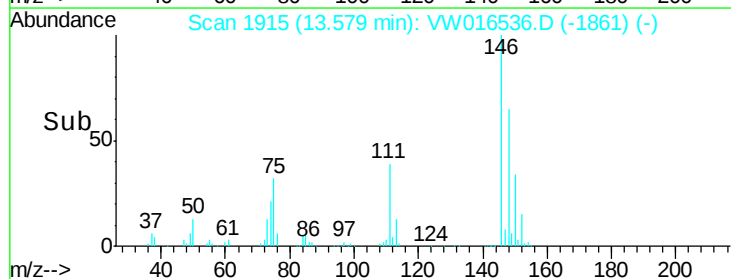
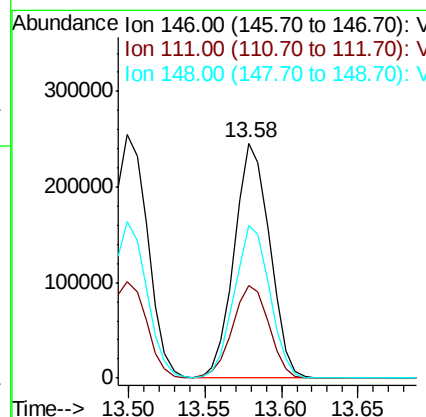
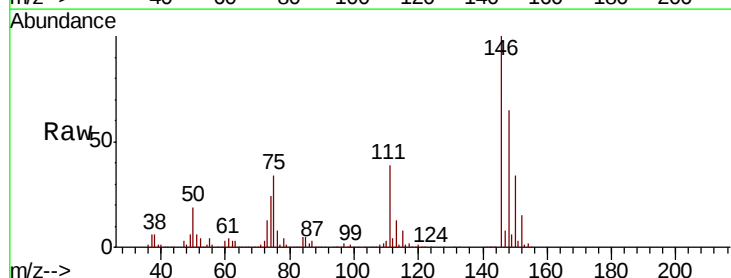
Instrument :
 MSVOA_W
 ClientSampleId :

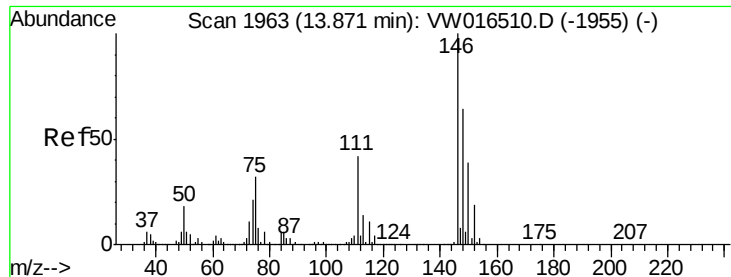
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	26.5	49.3
148	64.4	41.3	76.7



#64
 1,4-Dichlorobenzene
 Concen: 25.258 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW016536.D
 Acq: 11 Sep 2020 08:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	26.4	49.0
148	64.9	45.1	83.9





#65

1,2-Dichlorobenzene

Concen: 26.242 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW016536.D

Acq: 11 Sep 2020 08:56

Instrument :

MSVOA_W

ClientSampleId :

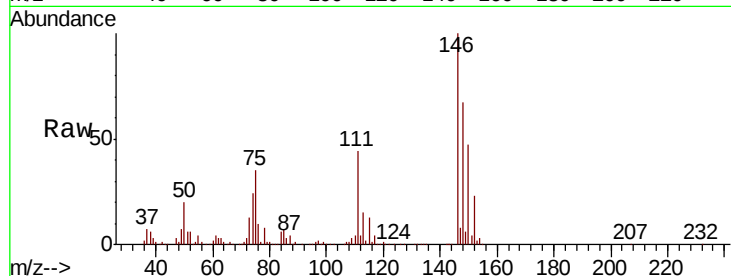
Tot Ion:146 Resp: 368352

Ion Ratio Lower Upper

146 100

111 43.6 35.3 52.9

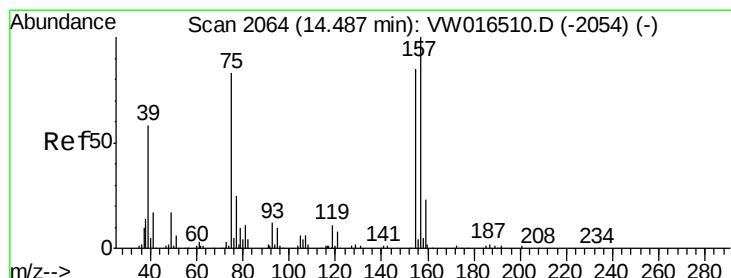
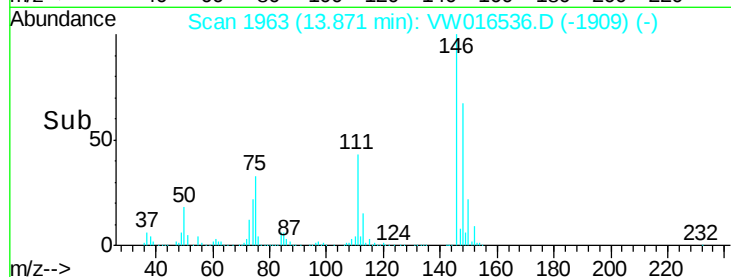
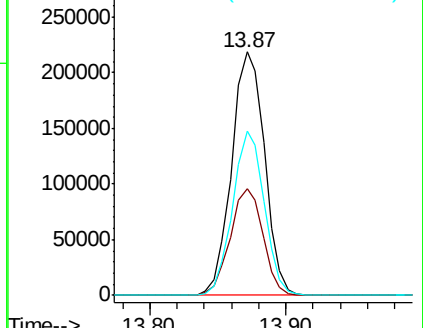
148 67.3 49.8 74.8



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: 24.436 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW016536.D

Acq: 11 Sep 2020 08:56

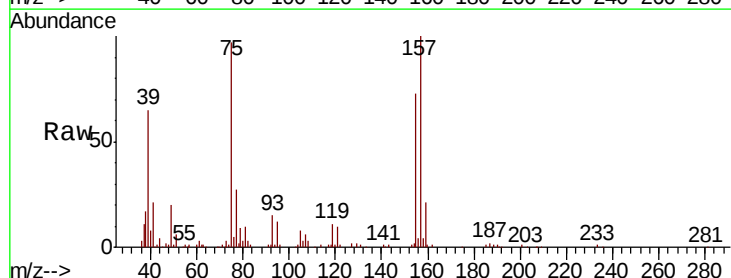
Tgt Ion: 75 Resp: 31938

Ion Ratio Lower Upper

75 100

157 103.6 91.4 137.0

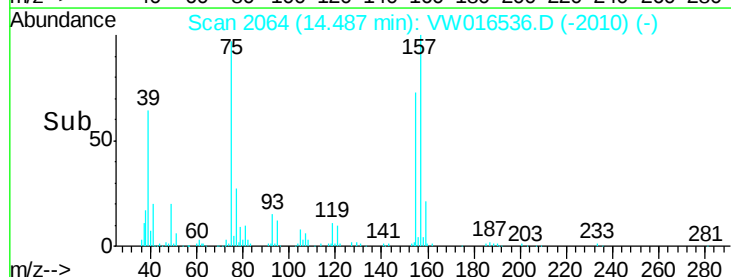
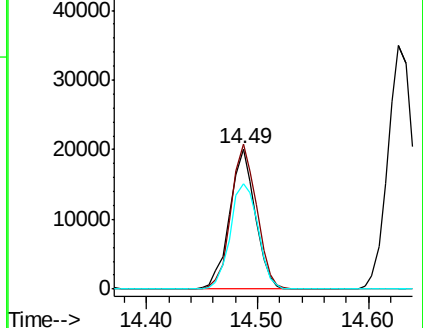
155 75.3 71.3 106.9

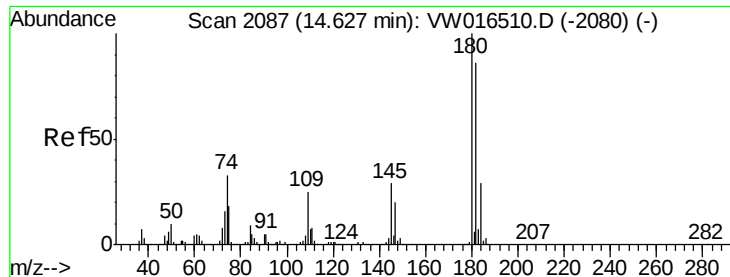


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

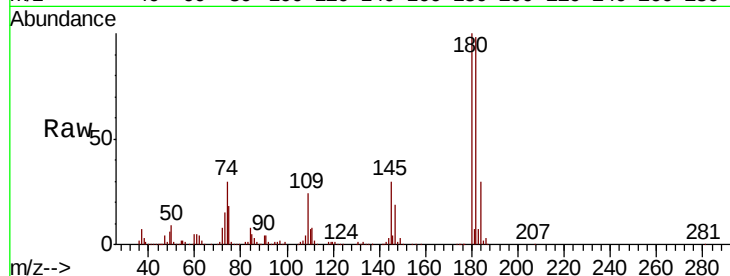




#67
 1,3,5-Trichlorobenzene
 Concen: 25.871 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.01 min
 Lab File: VW016536.D
 Acq: 11 Sep 2020 08:56

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.2	75.8	113.8
184	30.0	24.2	36.2
145	31.6	24.6	36.8



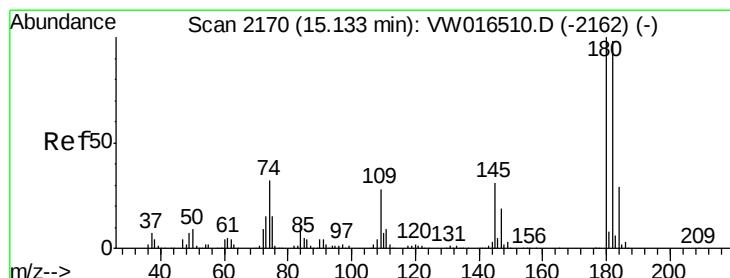
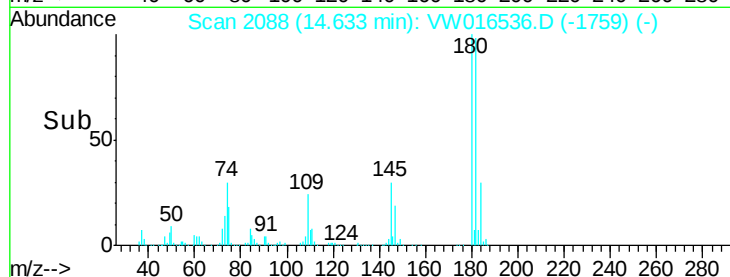
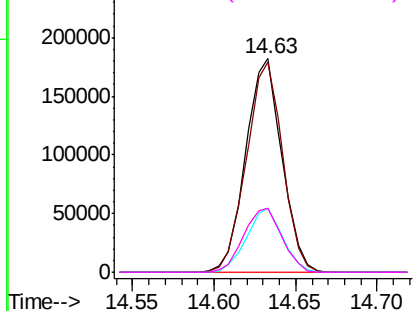
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

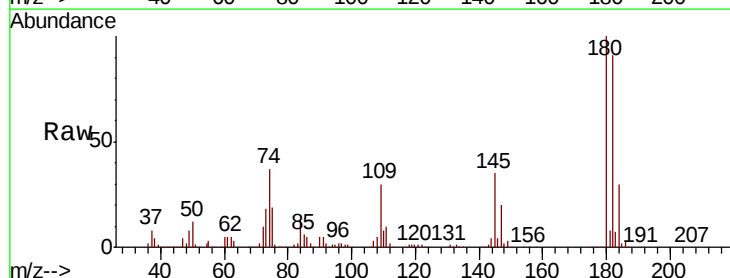
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 24.653 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW016536.D
 Acq: 11 Sep 2020 08:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.6	78.5	117.7
145	33.0	25.6	38.4

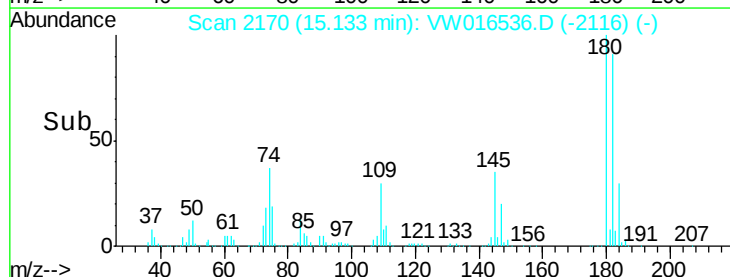
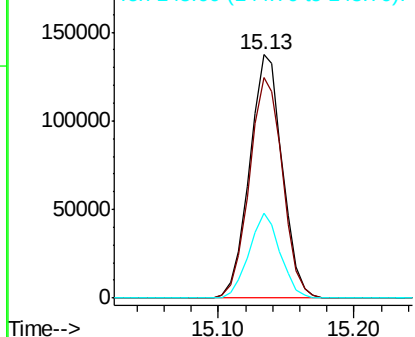


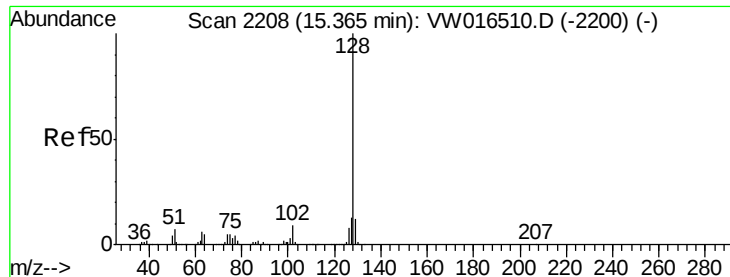
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 25.719 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW016536.D

Acq: 11 Sep 2020 08:56

Instrument :

MSVOA_W

ClientSampleId :

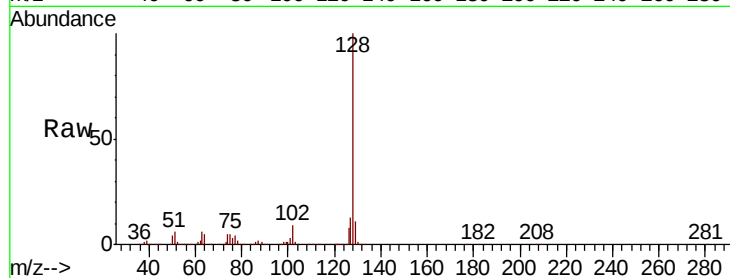
Tot Ion:128 Resp: 511008

Ion Ratio Lower Upper

128 100

129 10.6 8.7 13.1

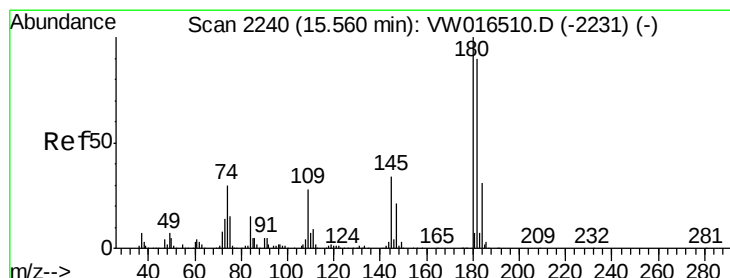
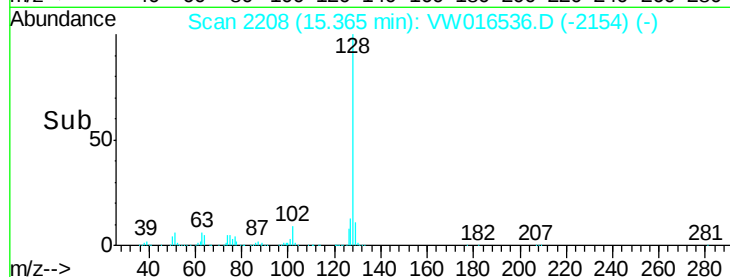
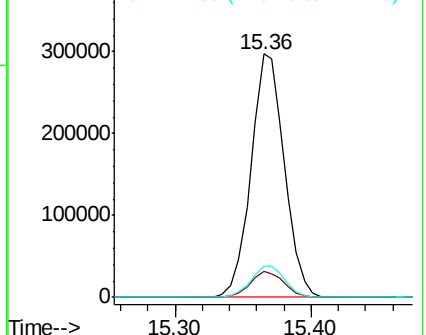
127 13.1 10.5 15.7



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: 25.078 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW016536.D

Acq: 11 Sep 2020 08:56

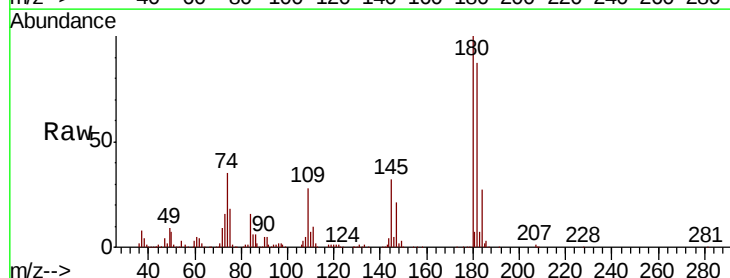
Tgt Ion:180 Resp: 202708

Ion Ratio Lower Upper

180 100

182 95.3 76.1 114.1

145 33.9 28.1 42.1



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

