

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022820\
 Data File : VW015074.D
 Acq On : 28 Feb 2020 11:18
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Feb 29 04:54:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM022420S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 28 12:10:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	602260	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	554098	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	239138	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	298317	19.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.20%
7) Chloroethane-d5	2.89	69	226710	20.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.52%
10) 1,1-Dichloroethene-d2	4.02	63	536289	22.88	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	91.52%
20) 2-Butanone-d5	7.07	46	128543	51.05	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.10%
24) Chloroform-d	7.65	84	465108	23.51	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.04%
26) 1,2-Dichloroethane-d4	8.31	65	261476	23.62	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.48%
29) Benzene-d6	8.27	84	917507	24.10	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.40%
33) 1,2-Dichloropropane-d6	9.27	67	308082	24.17	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.68%
37) Toluene-d8	10.32	98	790888	24.90	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.60%
38) trans-1,3-Dichloropropene-	10.57	79	109987	23.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.36%
39) 2-Hexanone-d5	10.92	63	89492	53.03	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.06%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	207604	25.21	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.84%
61) 1,2-Dichlorobenzene-d4	13.85	152	205466	23.45	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	117977	22.957	ug/L	98
3) Chloromethane	2.21	50	244445	20.750	ug/L	99
5) Vinyl chloride	2.37	62	337733	22.158	ug/L	99
6) Bromomethane	2.78	94	156677	22.898	ug/L	96
8) Chloroethane	2.92	64	187875	22.653	ug/L	97
9) Trichlorofluoromethane	3.26	101	174951	25.469	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	240077	25.376	ug/L	97
12) 1,1-Dichloroethene	4.04	96	220770	24.511	ug/L	91
13) Acetone	4.12	43	168400	56.544	ug/L	99
14) Carbon disulfide	4.38	76	789111	23.412	ug/L	100
15) Methyl Acetate	4.67	43	125608	25.047	ug/L	100
16) Methylene chloride	4.91	84	254924	22.868	ug/L	97
17) Methyl tert-butyl Ether	5.43	73	271808	24.931	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	229907	24.706	ug/L	96
19) 1,1-Dichloroethane	6.21	63	513644	24.748	ug/L	98
21) 2-Butanone	7.17	43	187332	53.491	ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	233323	24.637	ug/L	94

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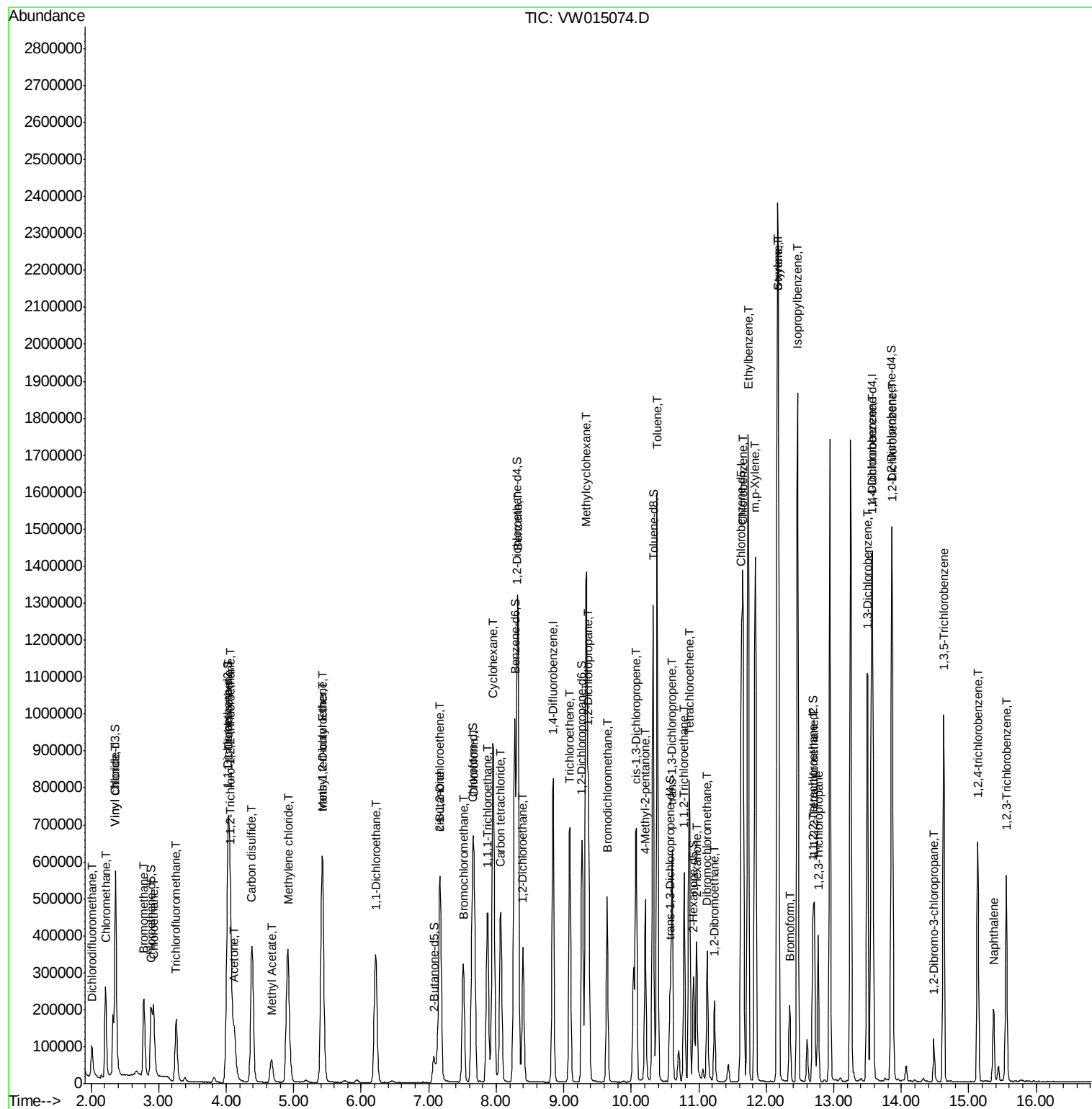
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	91082	24.723	ug/L	93
25) Chloroform	7.67	83	456561	24.239	ug/L	99
27) 1,2-Dichloroethane	8.40	62	322510	25.025	ug/L	99
30) Cyclohexane	7.96	56	496402	26.795	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	357303	25.003	ug/L	98
32) Carbon tetrachloride	8.07	117	324723	25.358	ug/L	99
34) Benzene	8.32	78	1070141	25.963	ug/L	100
35) Trichloroethene	9.09	95	246716	24.745	ug/L	99
36) Methylcyclohexane	9.34	83	467068	27.280	ug/L	100
40) 1,2-Dichloropropane	9.37	63	288709	25.220	ug/L	100
41) Bromodichloromethane	9.64	83	320409	24.952	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	378544	25.376	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	339772	53.066	ug/L	99
44) Toluene	10.38	91	1068080	26.682	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	309334	25.657	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	164808	25.583	ug/L	98
47) Tetrachloroethene	10.86	164	157004	24.433	ug/L	98
49) 2-Hexanone	10.97	43	259116	55.820	ug/L	99
50) Dibromochloromethane	11.13	129	170472	24.866	ug/L	99
51) 1,2-Dibromoethane	11.23	107	141953	25.284	ug/L	95
52) Chlorobenzene	11.65	112	586691	24.918	ug/L	99
53) Ethylbenzene	11.73	91	1164901	26.638	ug/L	99
54) m,p-Xylene	11.83	106	411414	26.890	ug/L	99
55) o-xylene	12.16	106	379290	26.606	ug/L	98
56) Styrene	12.18	104	660889	27.066	ug/L	98
57) Isopropylbenzene	12.46	105	1064603	27.421	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	207410	25.518	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	156092	24.985	ug/L	99
62) Bromoform	12.35	173	82336	24.495	ug/L	99
63) 1,3-Dichlorobenzene	13.50	146	394080	25.260	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	393999	24.529	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	351890	24.906	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	29660	23.778	ug/L	92
67) 1,3,5-Trichlorobenzene	14.63	180	249530	23.852	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	174027	22.761	ug/L	99
69) Naphthalene	15.36	128	149943	22.091	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	161231	23.494	ug/L	99

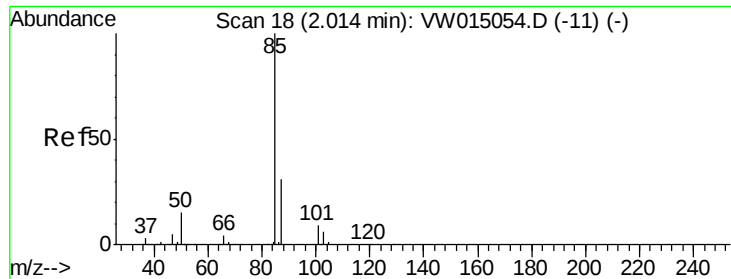
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 22.957 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW015074.D

Acq: 28 Feb 2020 11:18

Instrument :

MSVOA_W

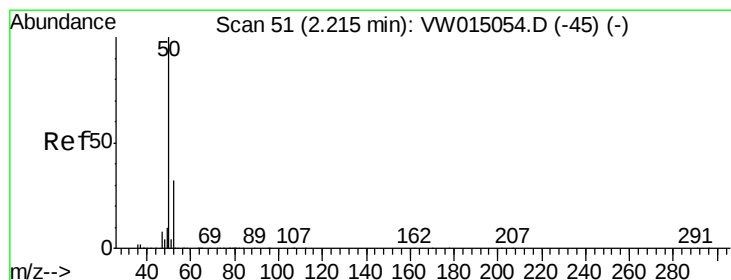
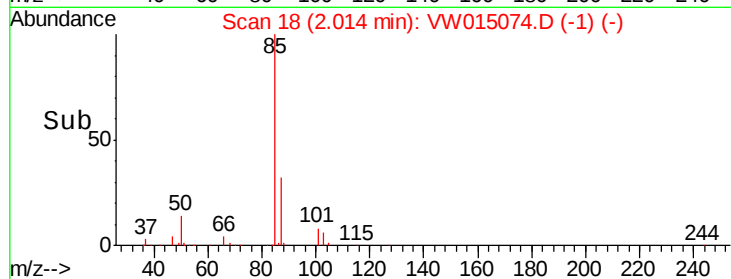
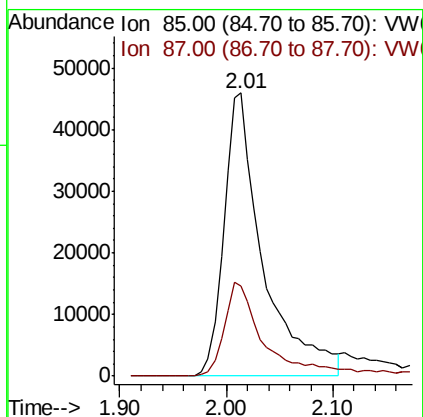
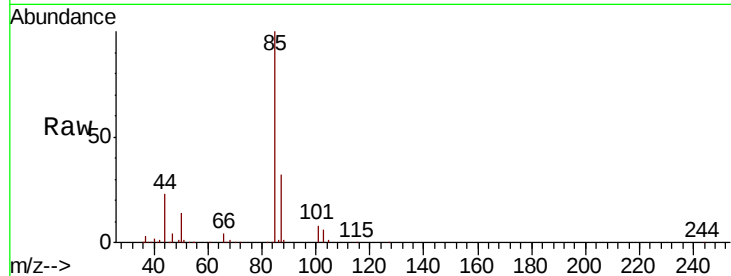
ClientSampleId :

Tot Ion: 85 Resp: 117977

Ion Ratio Lower Upper

85 100

87 32.7 22.0 41.0



#3

Chloromethane

Concen: 20.750 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW015074.D

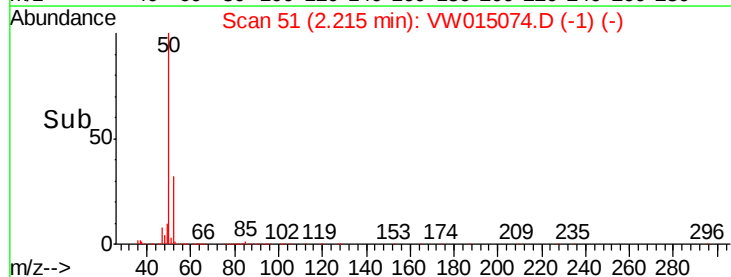
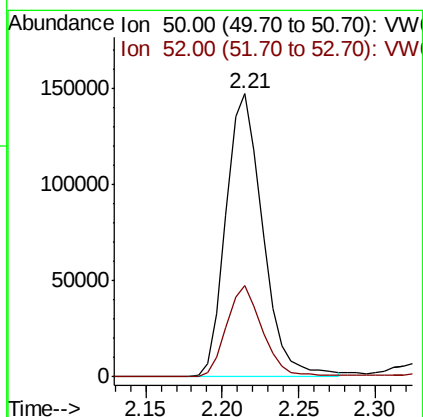
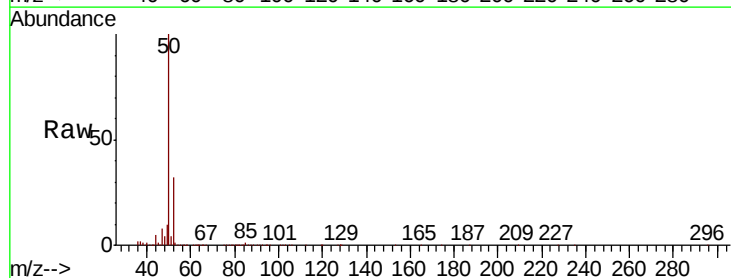
Acq: 28 Feb 2020 11:18

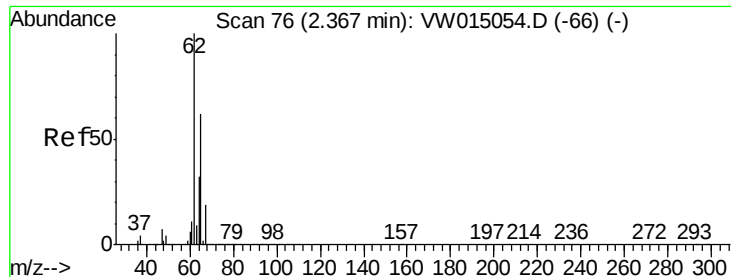
Tgt Ion: 50 Resp: 244445

Ion Ratio Lower Upper

50 100

52 32.3 22.3 41.5





#5

Vinyl chloride

Concen: 22.158 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW015074.D

Acq: 28 Feb 2020 11:18

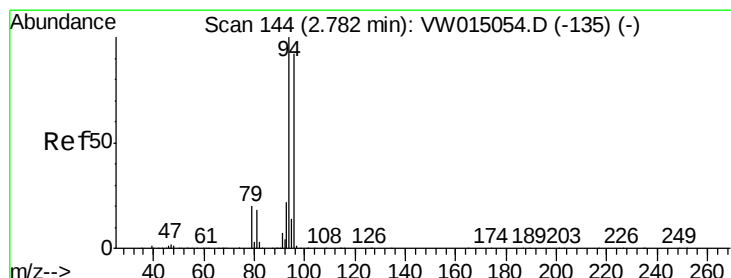
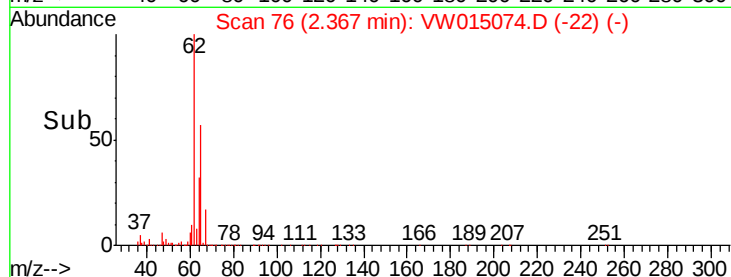
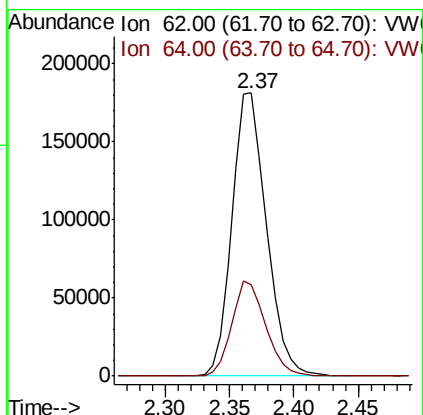
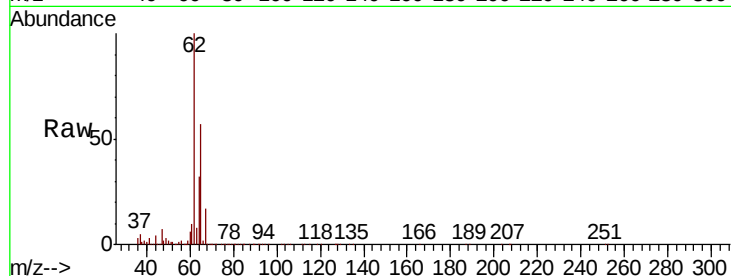
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 62 Resp: 337733

Ion Ratio Lower Upper

62 100

64 32.2 23.0 42.8



#6

Bromomethane

Concen: 22.898 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW015074.D

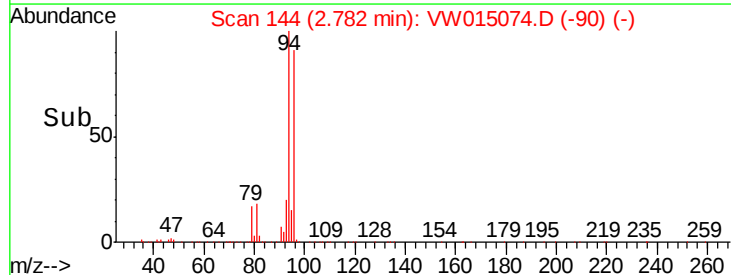
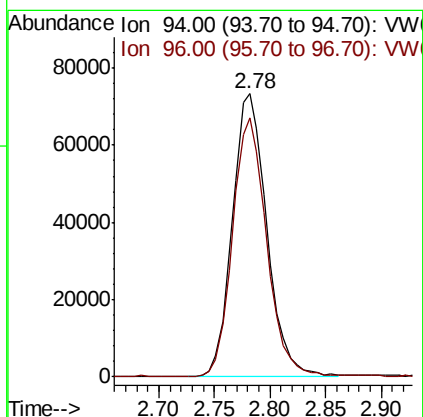
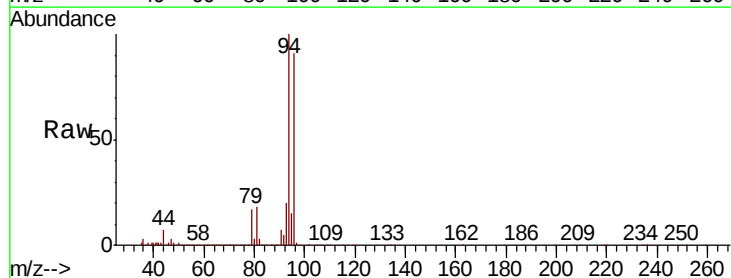
Acq: 28 Feb 2020 11:18

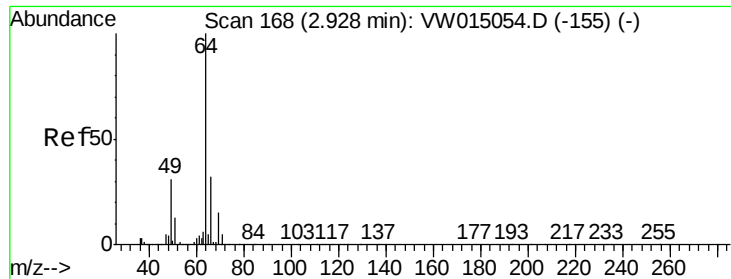
Tgt Ion: 94 Resp: 156677

Ion Ratio Lower Upper

94 100

96 90.3 9.5 179.7

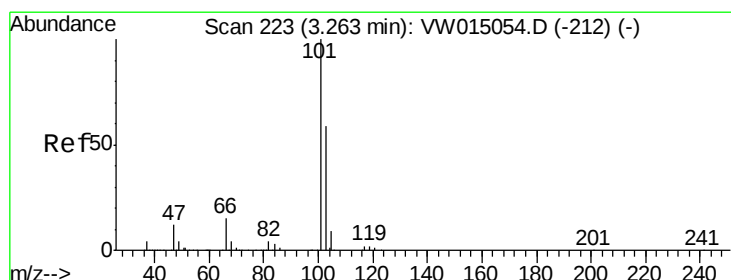
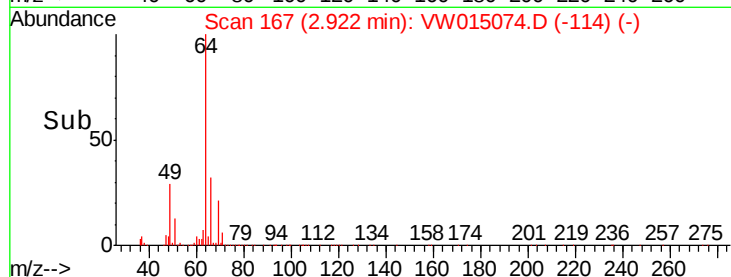
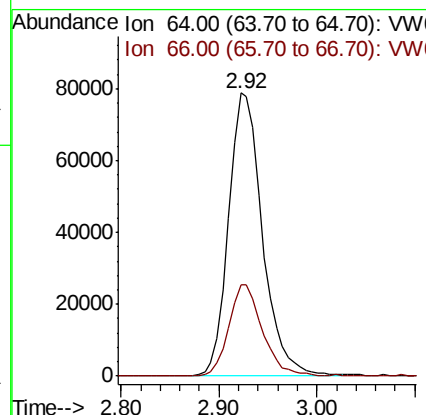
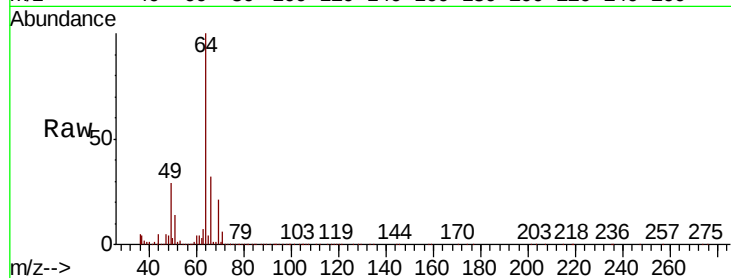




#8
Chloroethane
Concen: 22.653 ug/L
RT: 2.92 min Scan# 167
Delta R.T. -0.01 min
Lab File: VW015074.D
Acq: 28 Feb 2020 11:18

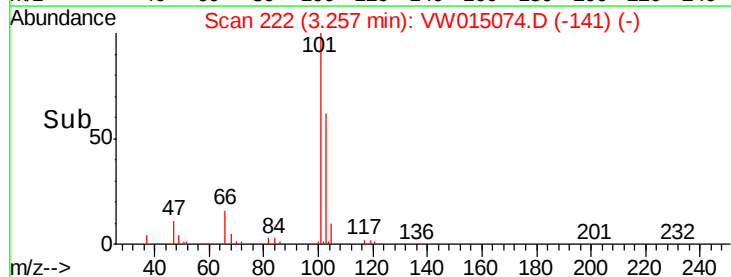
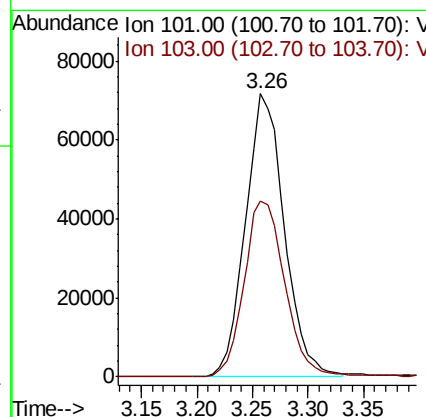
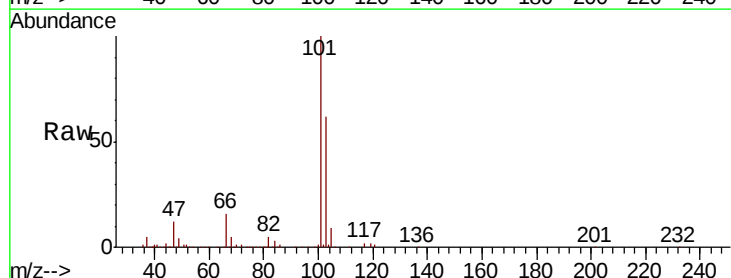
Instrument :
MSVOA_W
ClientSampleId :

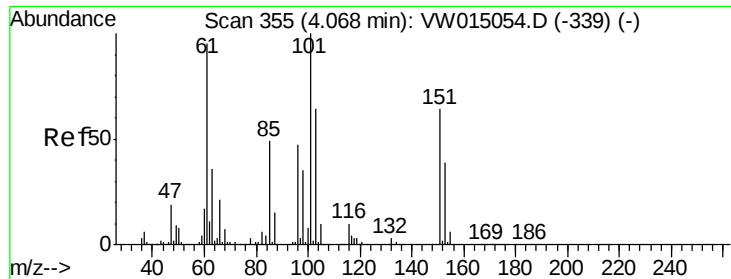
Tot Ion: 64 Resp: 187875
Ion Ratio Lower Upper
64 100
66 32.1 21.2 39.4



#9
Trichlorofluoromethane
Concen: 25.469 ug/L
RT: 3.26 min Scan# 222
Delta R.T. -0.01 min
Lab File: VW015074.D
Acq: 28 Feb 2020 11:18

Tgt Ion: 101 Resp: 174951
Ion Ratio Lower Upper
101 100
103 65.0 44.9 83.5





#11

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

Concen: 25.376 ug/L

RT: 4.07 min Scan# 355

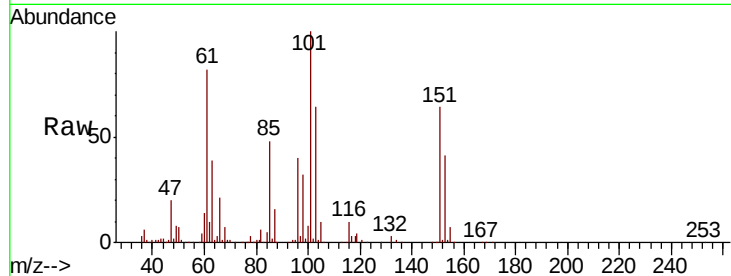
Delta R.T. -0.00 min

Lab File: VW015074.D

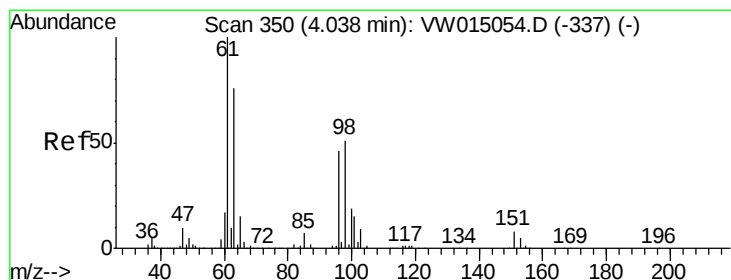
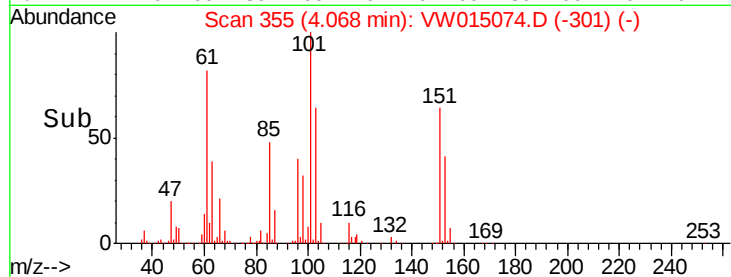
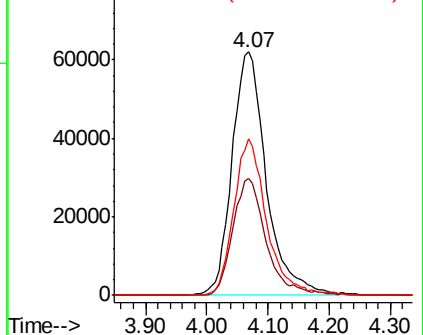
Acq: 28 Feb 2020 11:18

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	101	Resp:	240077
Ion	Ratio	Lower	Upper
101	100		
85	46.0	37.8	56.8
151	60.4	50.3	75.5



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



#12

1,1-Dichloroethene

Concen: 24.511 ug/L

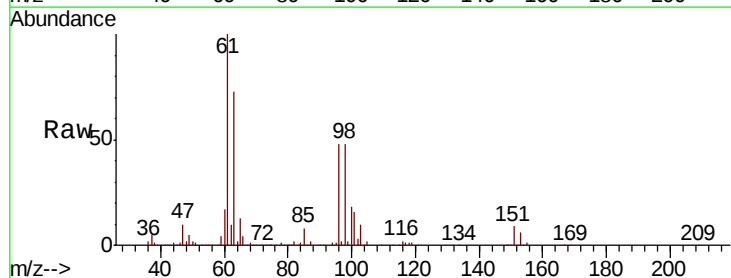
RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

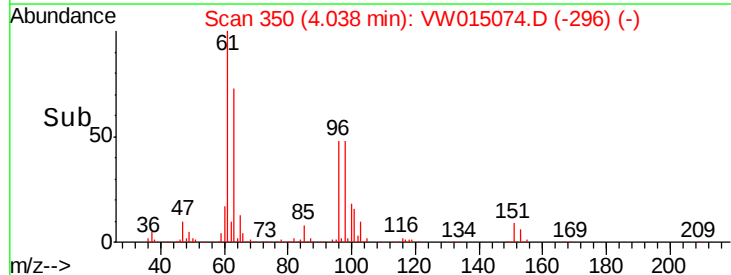
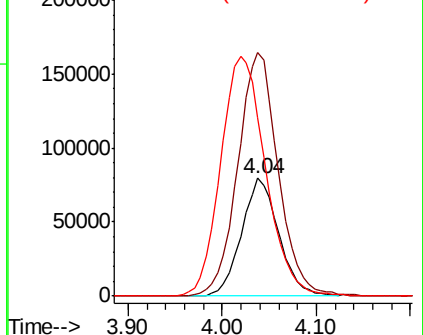
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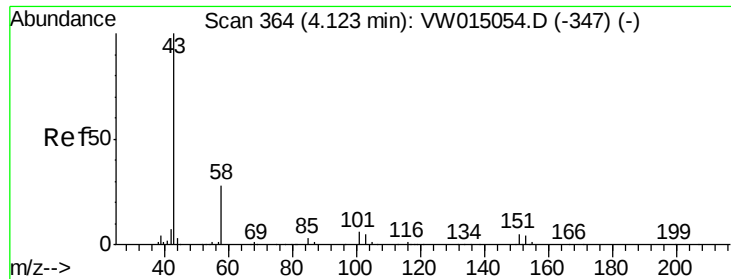
Acq: 28 Feb 2020 11:18

Tgt Ion:	96	Resp:	220770
Ion	Ratio	Lower	Upper
96	100		
61	206.6	138.5	257.1
63	150.9	93.4	173.6



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

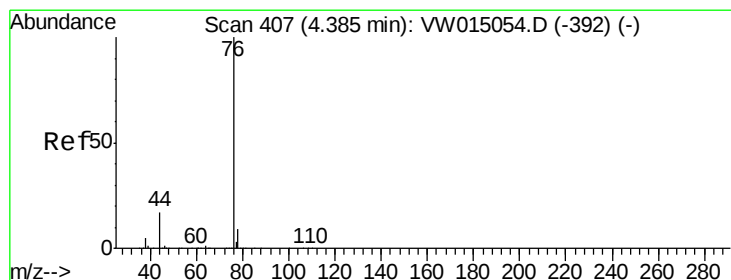
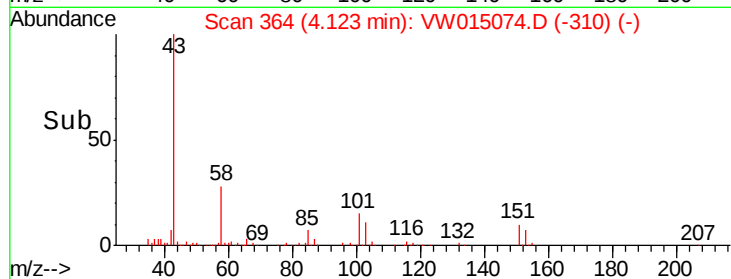
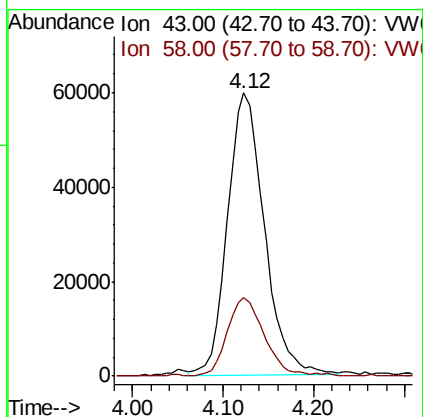
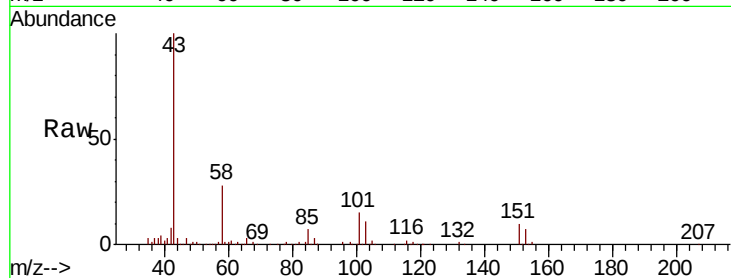




#13
Acetone
Concen: 56.544 ug/L
RT: 4.12 min Scan# 364
Delta R.T. -0.00 min
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Acq: 28 Feb 2020 11:18

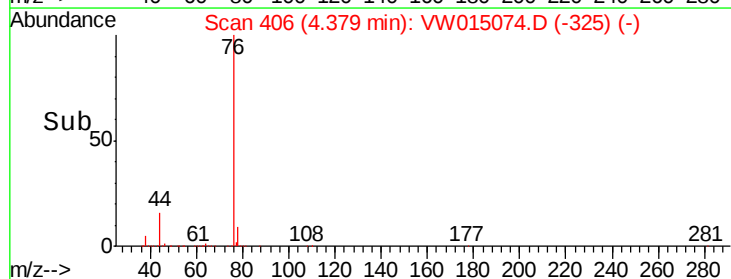
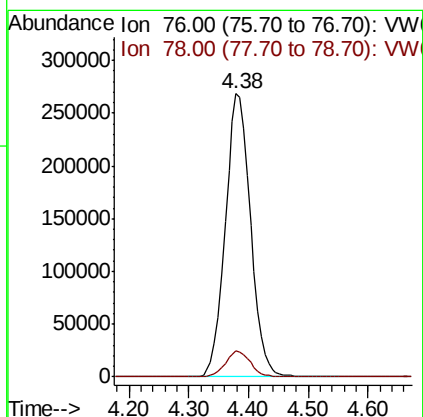
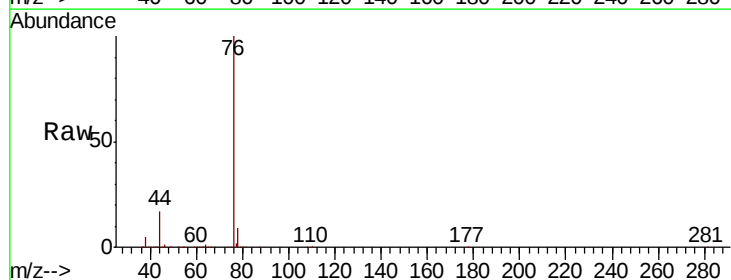
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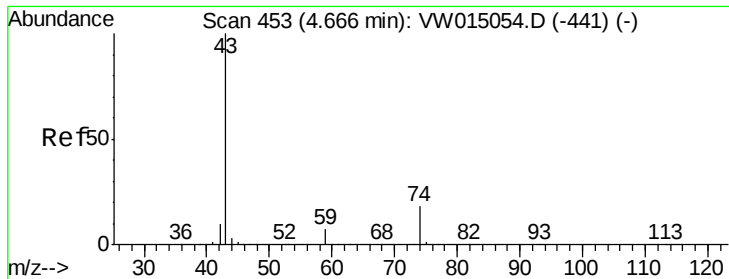
Tot Ion: 43 Resp: 168400
Ion Ratio Lower Upper
43 100
58 27.8 0.0 54.0



#14
Carbon disulfide
Concen: 23.412 ug/L
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW015074.D
Acq: 28 Feb 2020 11:18

Tgt Ion: 76 Resp: 789111
Ion Ratio Lower Upper
76 100
78 9.0 7.2 10.8

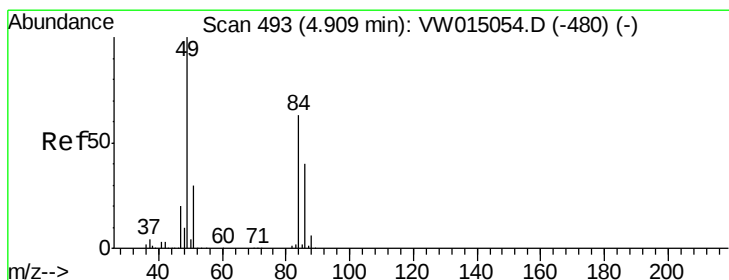
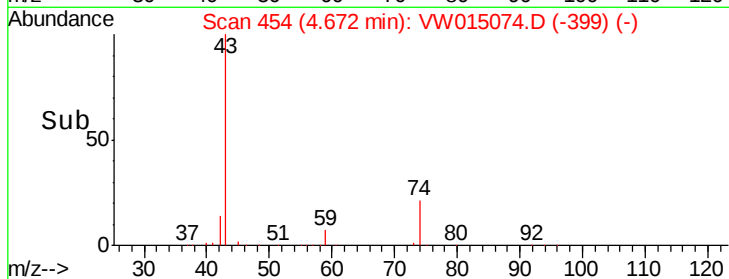
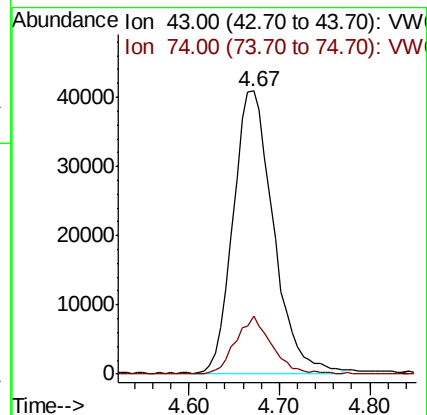
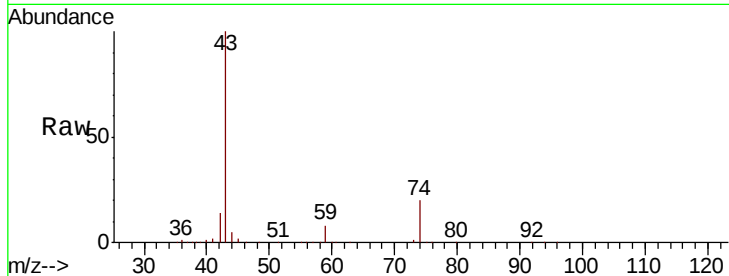




#15
Methyl Acetate
Concen: 25.047 ug/L
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW015074.D
Acq: 28 Feb 2020 11:18

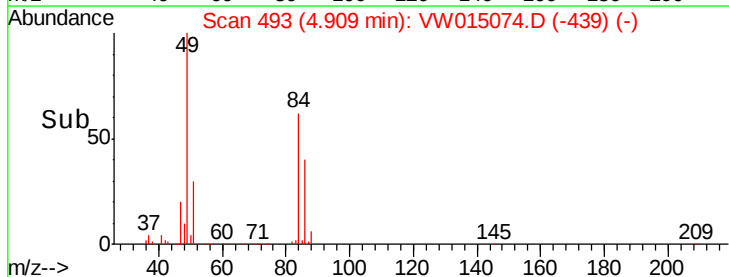
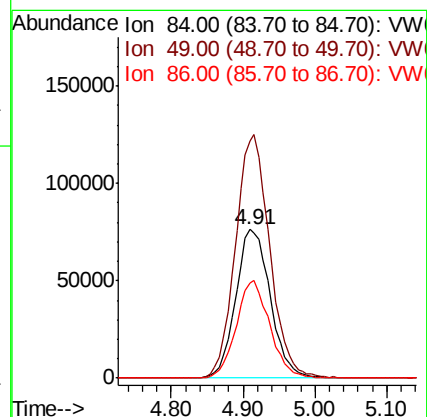
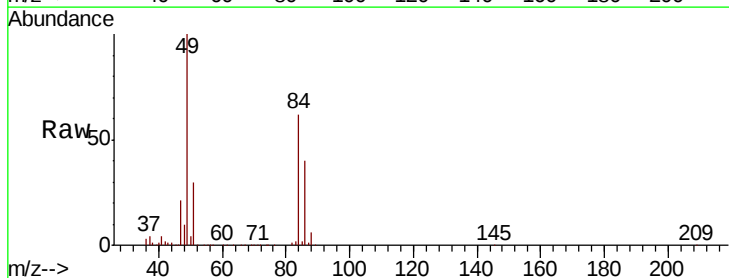
Instrument :
MSVOA_W
ClientSampled :

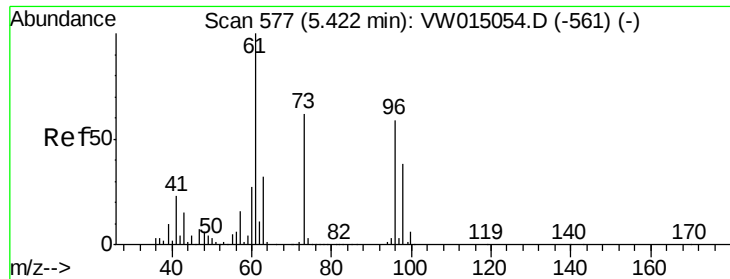
Tot Ion: 43 Resp: 125608
Ion Ratio Lower Upper
43 100
74 18.0 14.5 21.7



#16
Methylene chloride
Concen: 22.868 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.00 min
Lab File: VW015074.D
Acq: 28 Feb 2020 11:18

Tgt Ion: 84 Resp: 254924
Ion Ratio Lower Upper
84 100
49 160.1 115.6 214.8
86 63.7 45.9 85.3

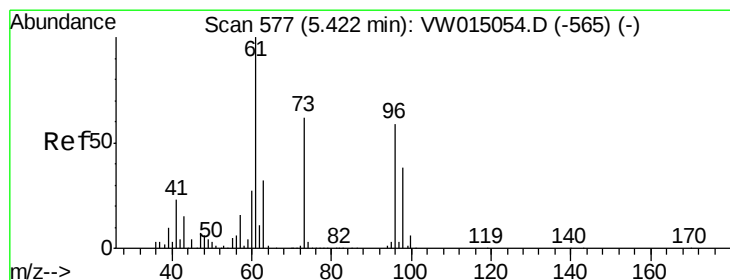
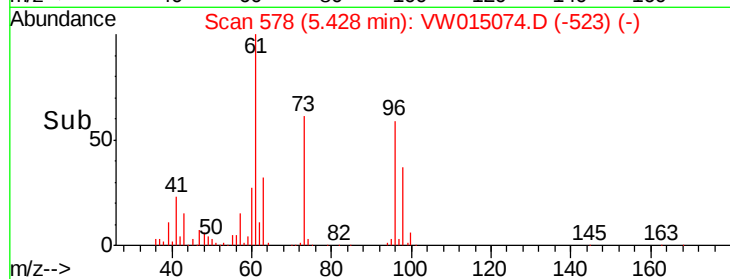
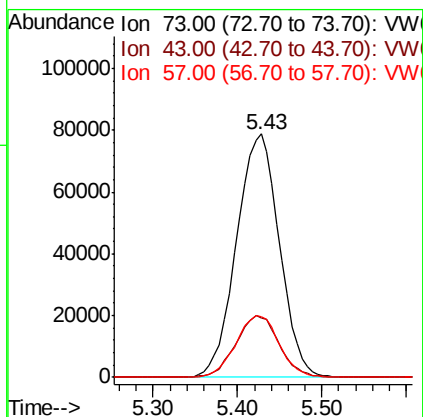
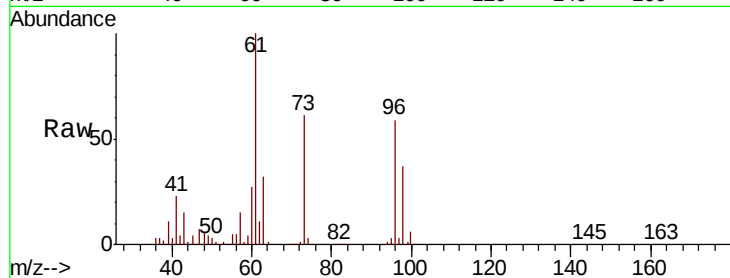




#17
Methvl tert-butvl Ether
Concen: 24.931 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW015074.D
Acq: 28 Feb 2020 11:18

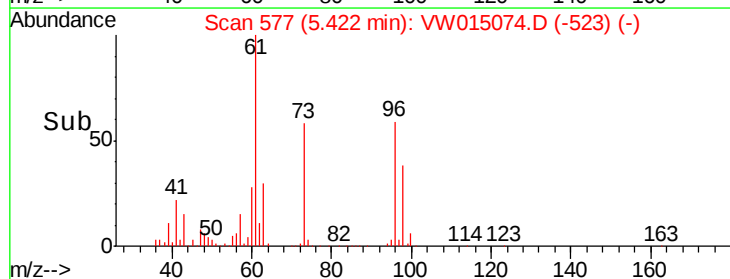
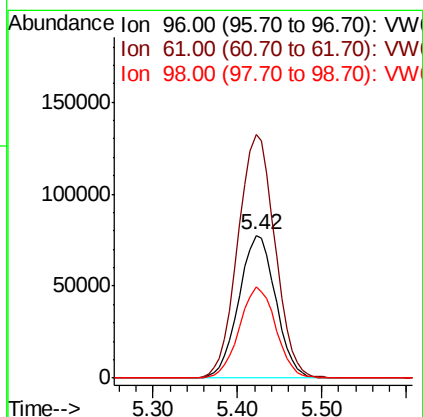
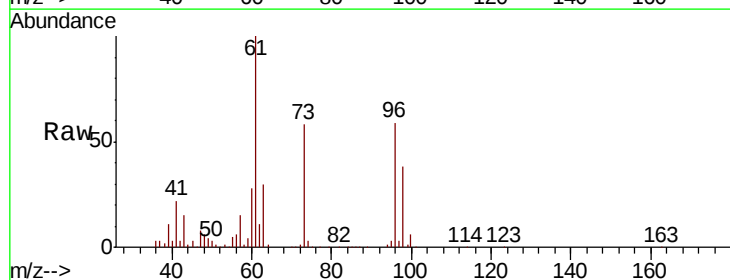
Instrument :
MSVOA_W
ClientSampled :

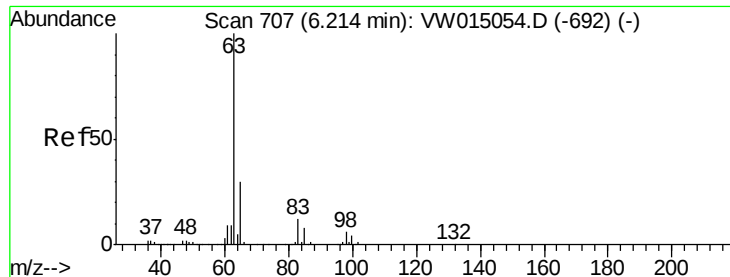
Tot Ion: 73 Resp: 271808
Ion Ratio Lower Upper
73 100
43 25.4 19.7 29.5
57 25.8 20.4 30.6



#18
trans-1,2-Dichloroethene
Concen: 24.706 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW015074.D
Acq: 28 Feb 2020 11:18

Tgt Ion: 96 Resp: 229907
Ion Ratio Lower Upper
96 100
61 170.1 115.1 213.8
98 64.2 44.0 81.6

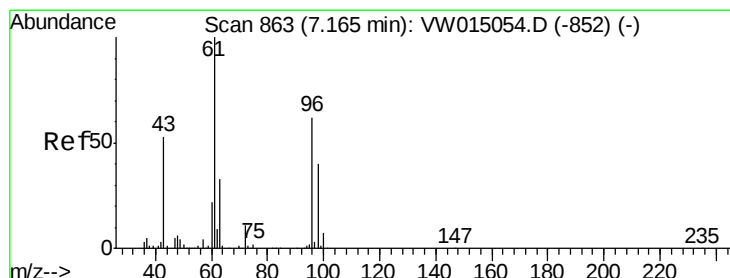
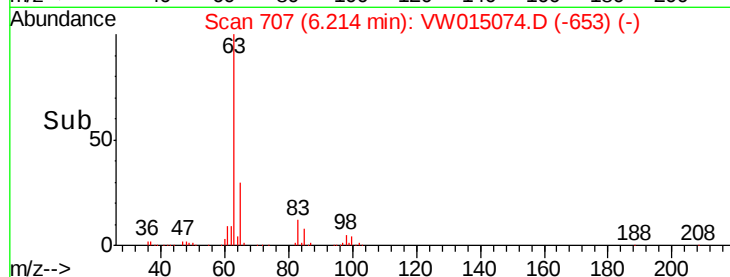
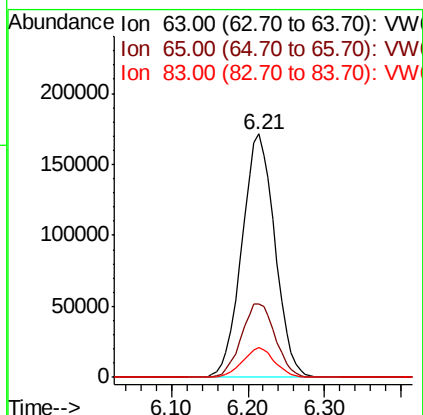
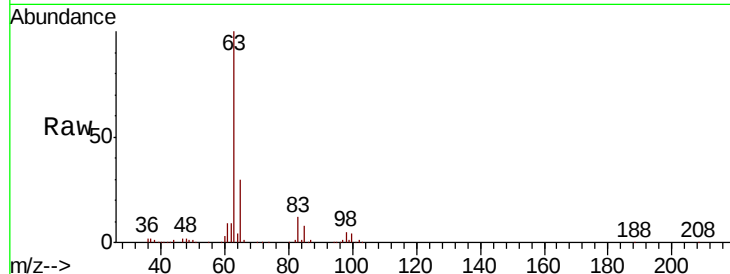




#19
 1,1-Dichloroethane
 Concen: 24.748 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW015074.D
 Acq: 28 Feb 2020 11:18

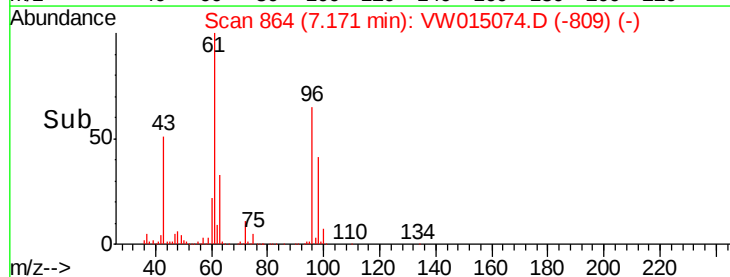
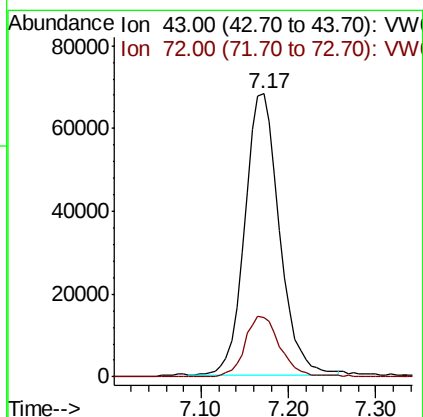
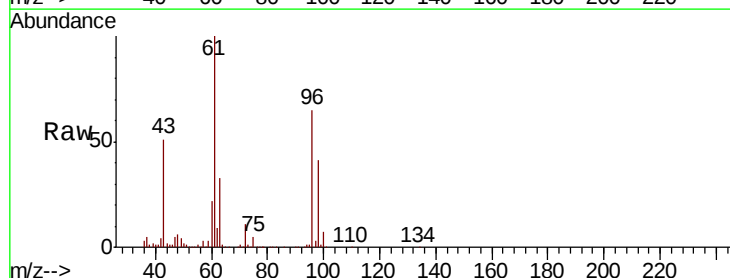
Instrument :
 MSVOA_W
 ClientSampled :

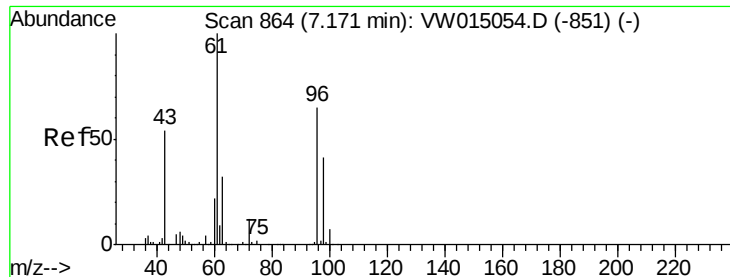
Tot Ion: 63 Resp: 513644
 Ion Ratio Lower Upper
 63 100
 65 30.3 21.9 40.7
 83 12.2 7.8 14.6



#21
 2-Butanone
 Concen: 53.491 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW015074.D
 Acq: 28 Feb 2020 11:18

Tgt Ion: 43 Resp: 187332
 Ion Ratio Lower Upper
 43 100
 72 21.8 10.4 31.4



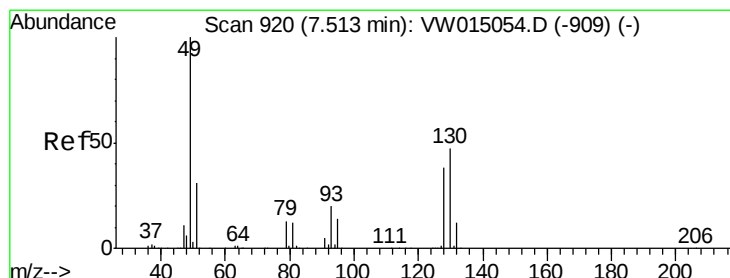
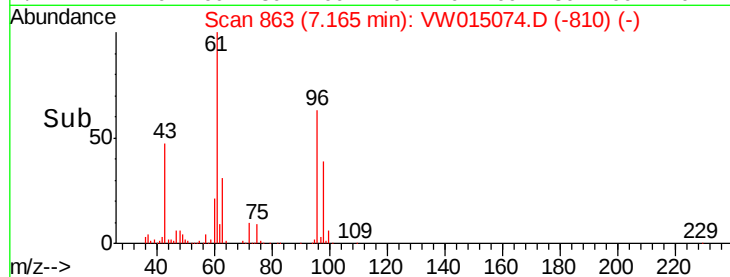
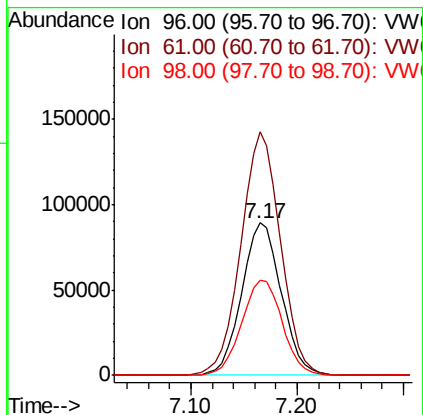
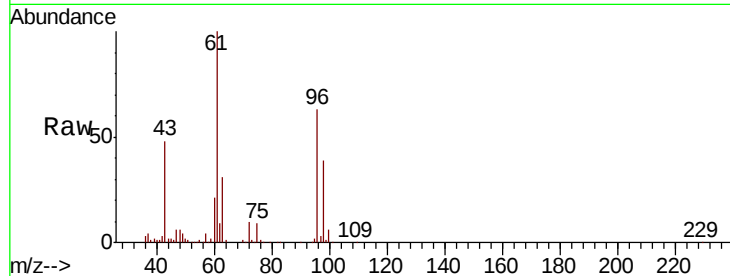


#22

cis-1,2-Dichloroethene
 Concen: 24.637 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW015074.D
 Acq: 28 Feb 2020 11:18

Instrument :
 MSVOA_W
 ClientSampleId :

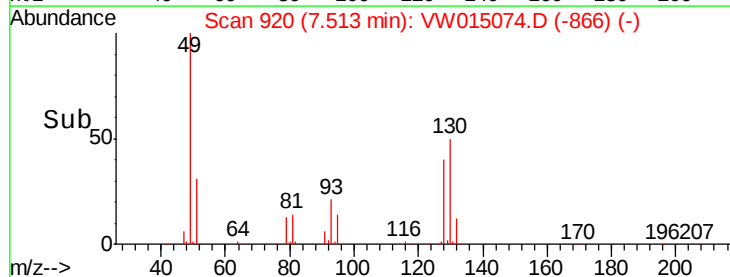
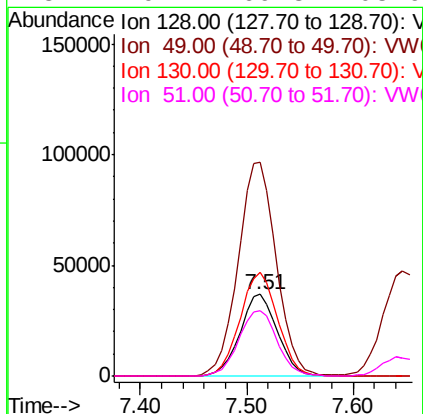
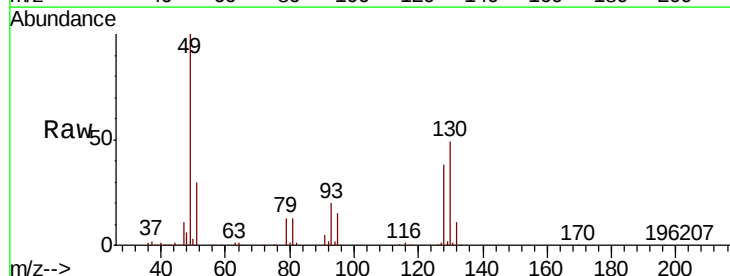
Tot Ion: 96 Resp: 233323
 Ion Ratio Lower Upper
 96 100
 61 160.0 105.2 195.4
 98 62.6 42.6 79.2

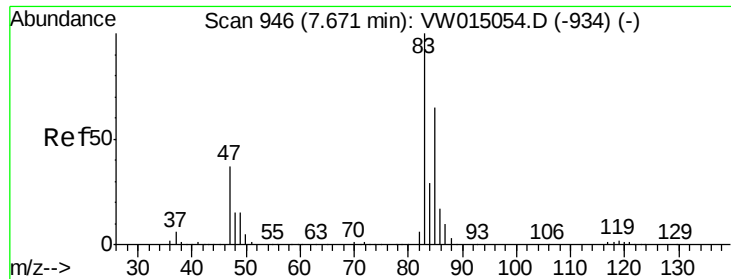


#23

Bromochloromethane
 Concen: 24.723 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW015074.D
 Acq: 28 Feb 2020 11:18

Tgt Ion: 128 Resp: 91082
 Ion Ratio Lower Upper
 128 100
 49 260.9 192.7 357.9
 130 127.2 92.7 172.1
 51 79.2 69.3 103.9





#25

Chloroform

Concen: 24.239 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.00 min

Lab File: VW015074.D

Acq: 28 Feb 2020 11:18

Instrument :

MSVOA_W

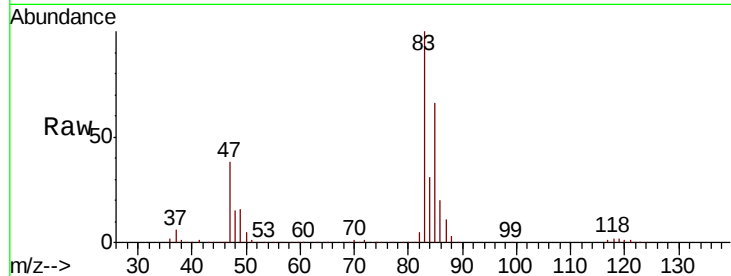
ClientSampleId :

Tot Ion: 83 Resp: 456561

Ion Ratio Lower Upper

83 100

85 65.3 44.9 83.5



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

7.67

200000

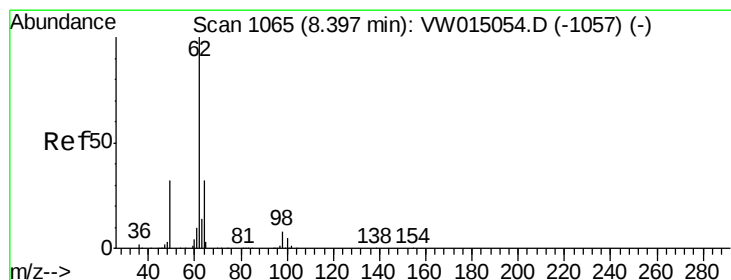
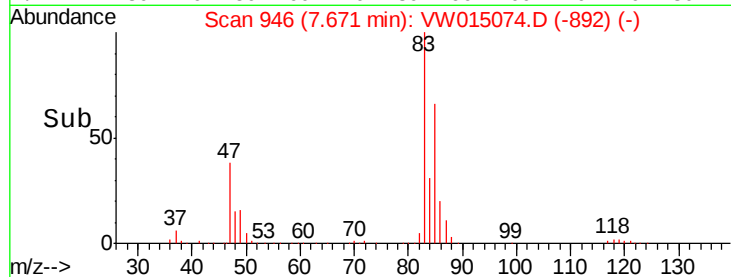
150000

100000

50000

0

Time-->



#27

1,2-Dichloroethane

Concen: 25.025 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW015074.D

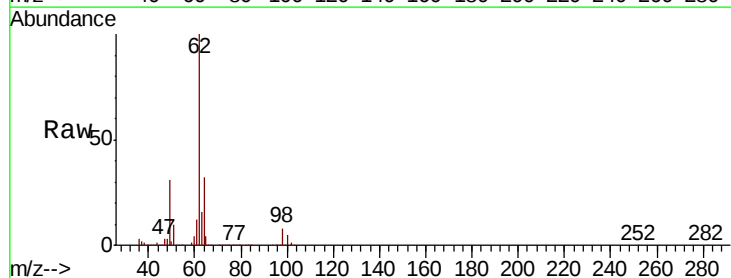
Acq: 28 Feb 2020 11:18

Tgt Ion: 62 Resp: 322510

Ion Ratio Lower Upper

62 100

98 7.6 6.5 9.7



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW

8.40

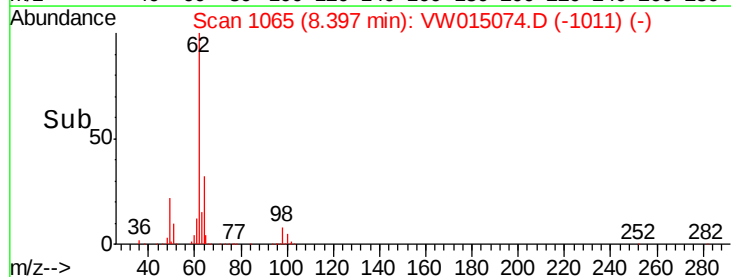
150000

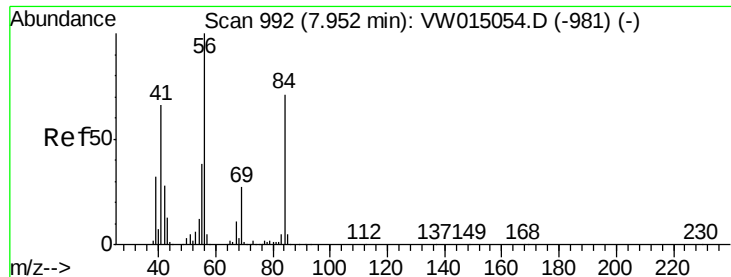
100000

50000

0

Time-->

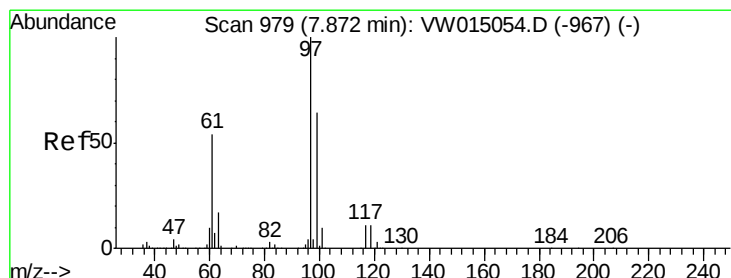
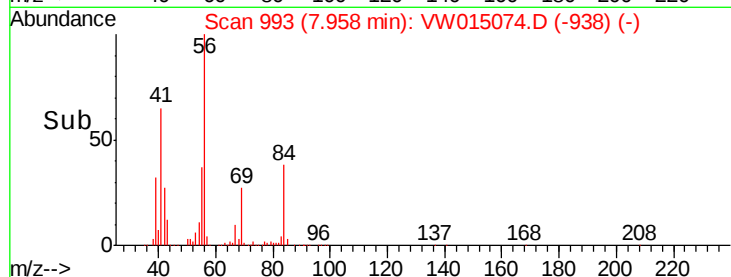
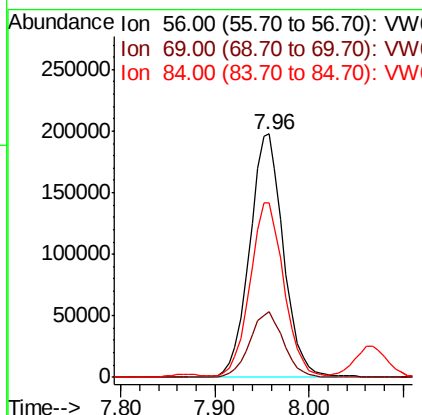
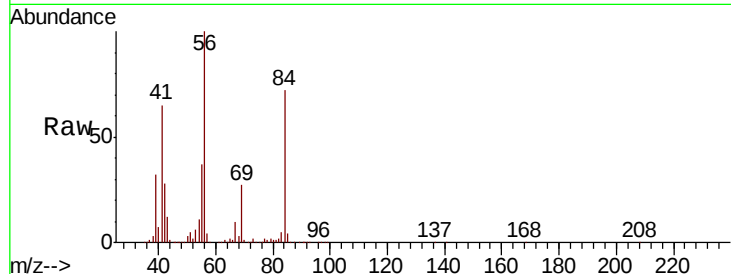




#30
Cyclohexane
Concen: 26.795 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.01 min
Lab File: VW015074.D
Acq: 28 Feb 2020 11:18

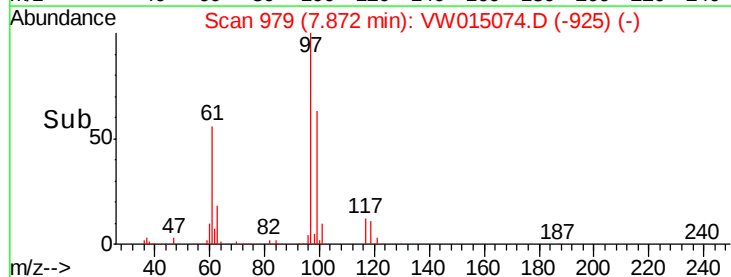
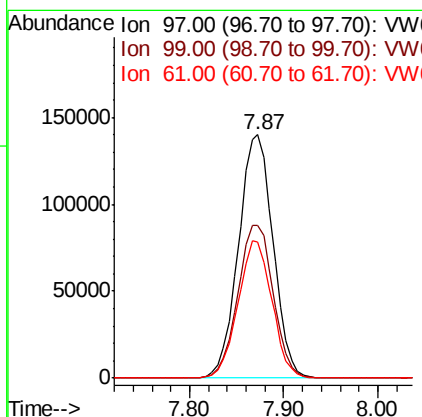
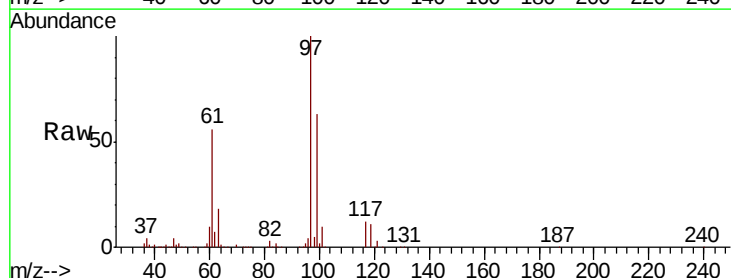
Instrument :
MSVOA_W
ClientSampled :

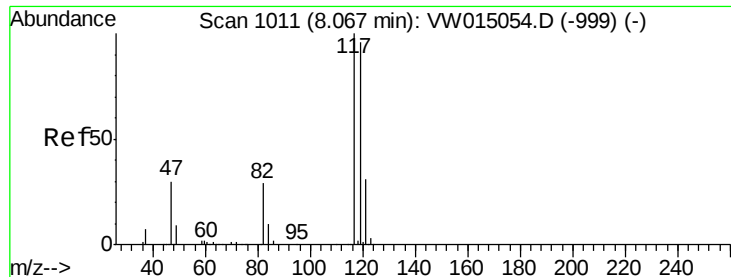
Tot Ion: 56 Resp: 496402
Ion Ratio Lower Upper
56 100
69 27.1 21.8 32.6
84 72.1 57.3 85.9



#31
1,1,1-Trichloroethane
Concen: 25.003 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW015074.D
Acq: 28 Feb 2020 11:18

Tgt Ion: 97 Resp: 357303
Ion Ratio Lower Upper
97 100
99 64.5 50.6 76.0
61 55.4 43.1 64.7





#32

Carbon tetrachloride

Concen: 25.358 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW015074.D

Acq: 28 Feb 2020 11:18

Instrument :

MSVOA_W

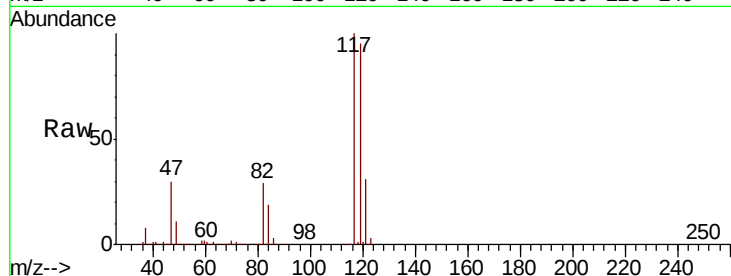
ClientSampled :

Tot Ion:117 Resp: 324723

Ion Ratio Lower Upper

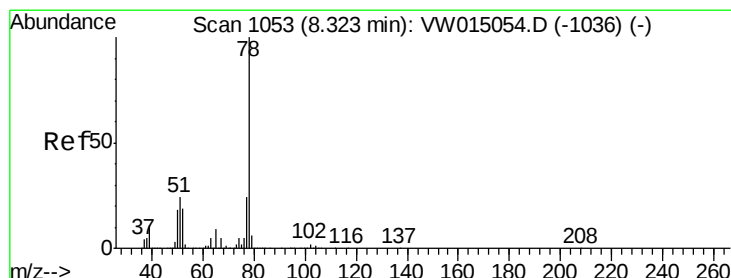
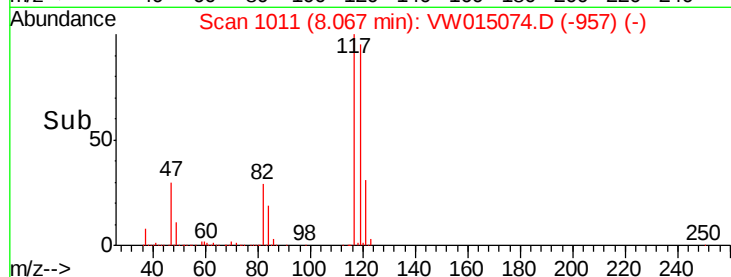
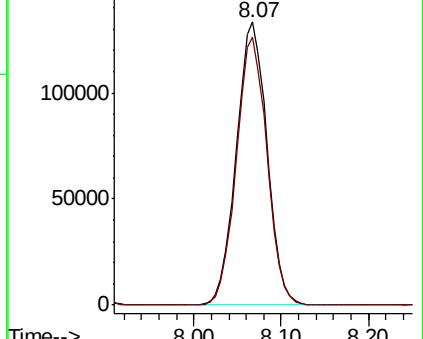
117 100

119 94.4 76.3 114.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.963 ug/L

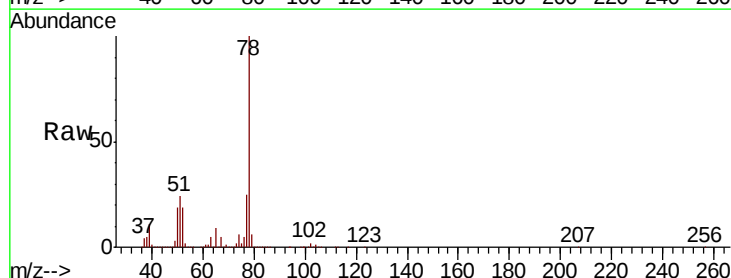
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

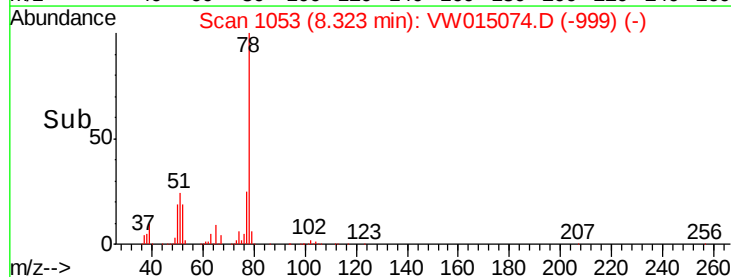
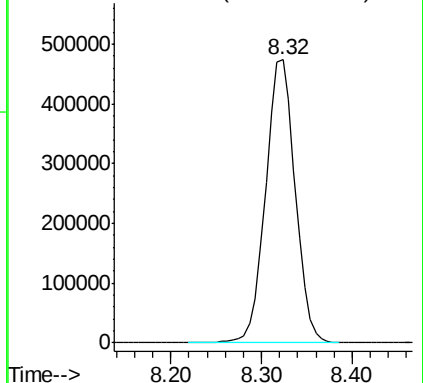
Lab File: VW015074.D

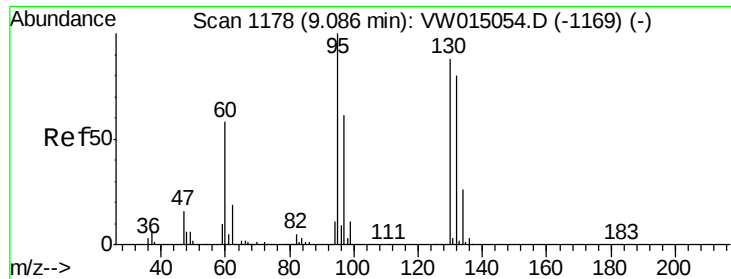
Acq: 28 Feb 2020 11:18

Tgt Ion: 78 Resp: 1070141



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 24.745 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VW015074.D

Acq: 28 Feb 2020 11:18

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 95 Resp: 246716

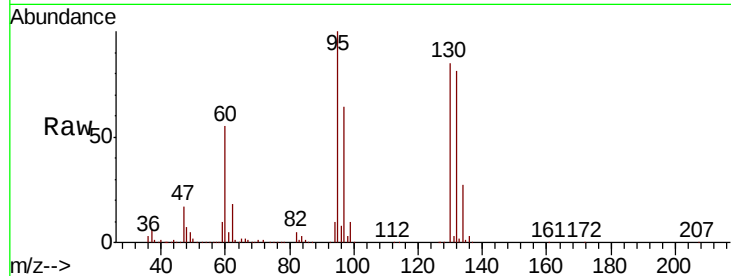
Ion Ratio Lower Upper

95 100

97 64.2 44.7 83.1

132 83.2 58.1 107.9

130 87.6 62.0 115.2



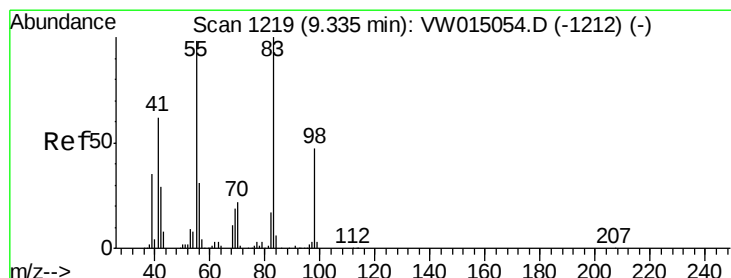
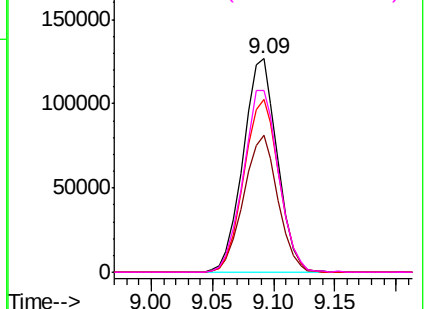
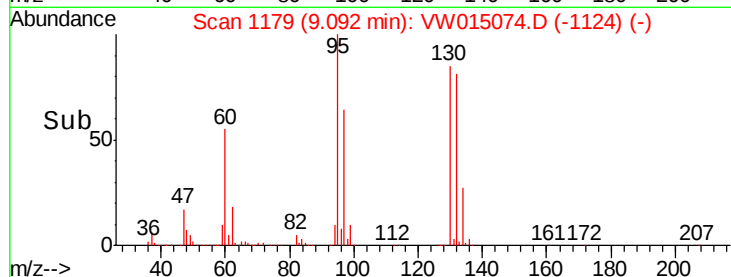
Abundance

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: 27.280 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW015074.D

Acq: 28 Feb 2020 11:18

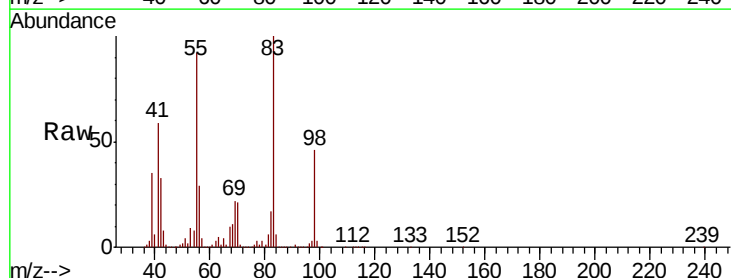
Tgt Ion: 83 Resp: 467068

Ion Ratio Lower Upper

83 100

55 96.1 76.6 115.0

98 46.1 36.6 54.8

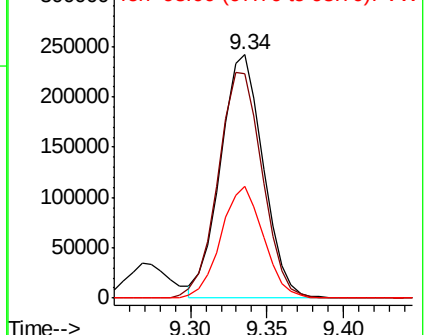
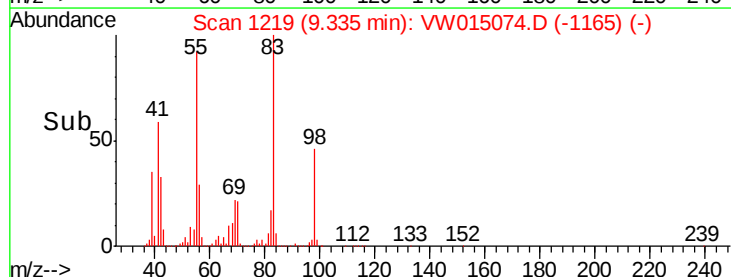


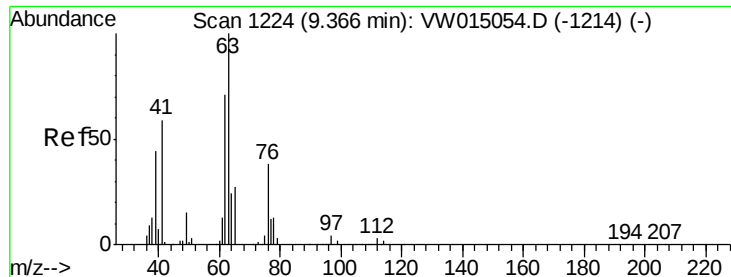
Abundance

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

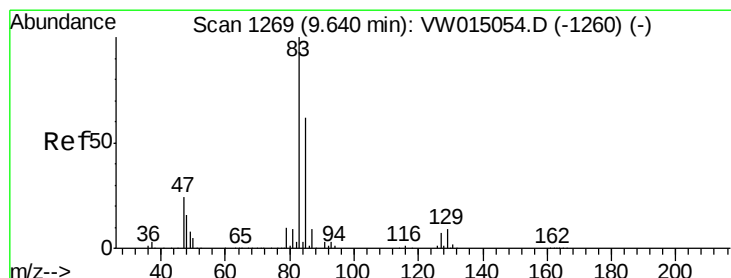
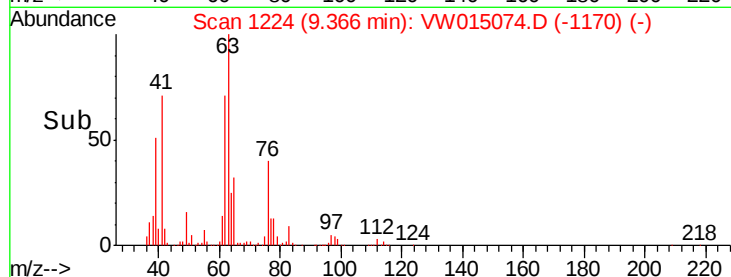
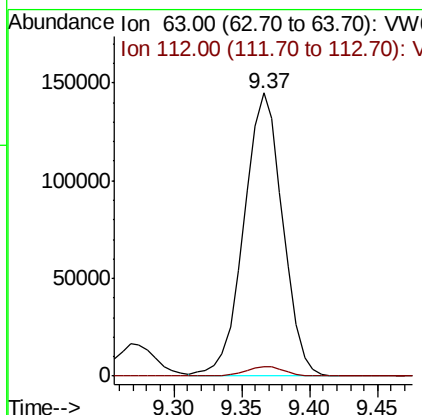
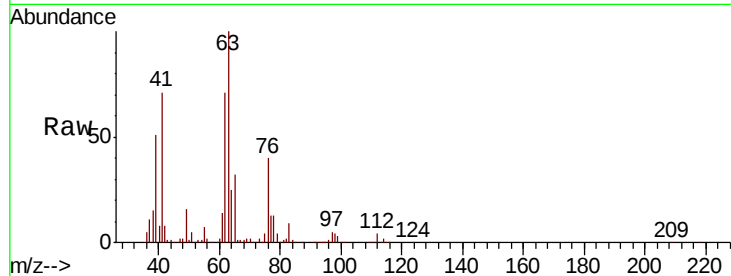




#40
 1,2-Dichloropropane
 Concen: 25.220 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW015074.D
 Acq: 28 Feb 2020 11:18

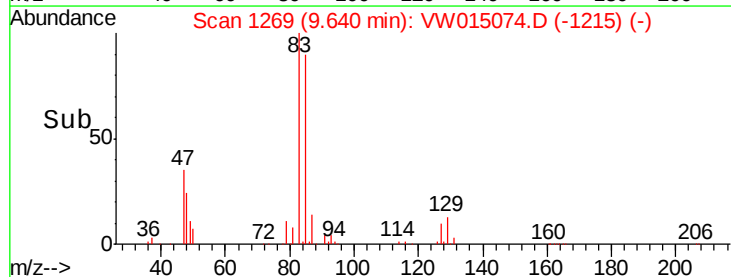
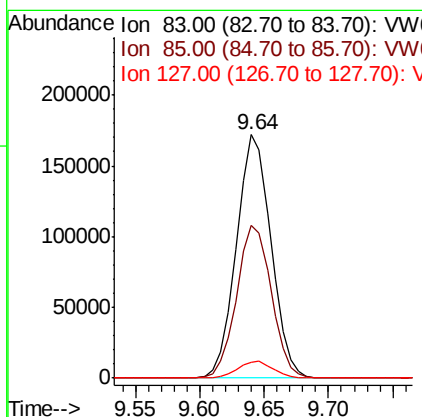
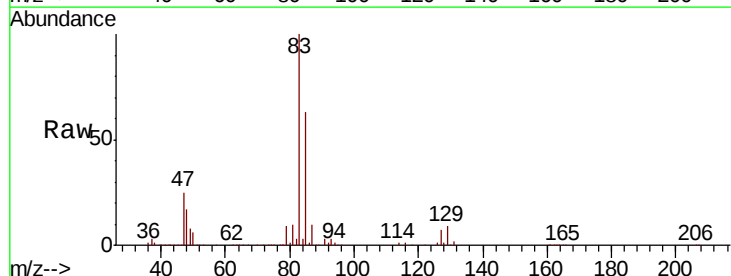
Instrument :
 MSVOA_W
 ClientSampleId :

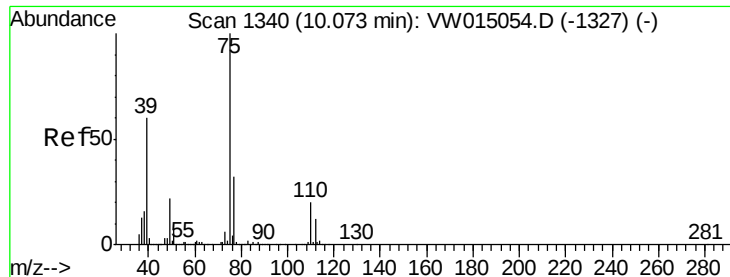
Tot Ion: 63 Resp: 288709
 Ion Ratio Lower Upper
 63 100
 112 3.5 2.8 4.2



#41
 Bromodichloromethane
 Concen: 24.952 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW015074.D
 Acq: 28 Feb 2020 11:18

Tgt Ion: 83 Resp: 320409
 Ion Ratio Lower Upper
 83 100
 85 62.8 44.7 83.1
 127 6.7 5.4 8.0





#42

cis-1,3-Dichloropropene

Concen: 25.376 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW015074.D

Acq: 28 Feb 2020 11:18

Instrument :

MSVOA_W

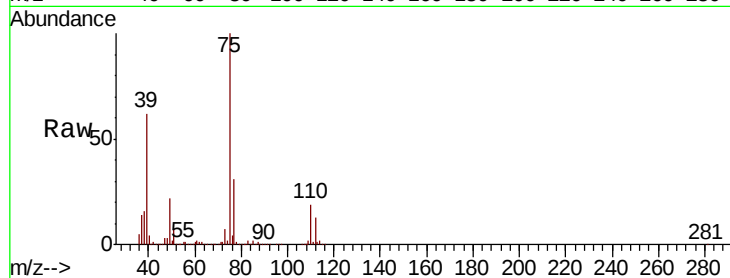
ClientSampleId :

Tot Ion: 75 Resp: 378544

Ion Ratio Lower Upper

75 100

77 31.1 21.9 40.7



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.07

200000

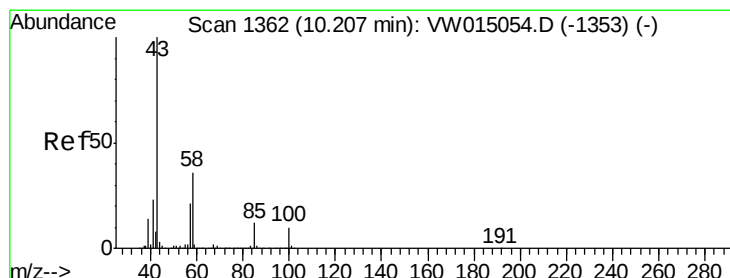
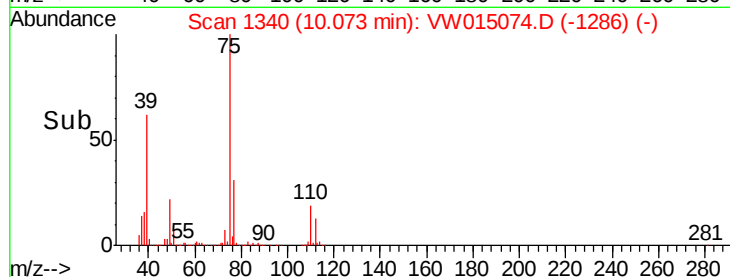
150000

100000

50000

0

Time-->



#43

4-Methyl-2-pentanone

Concen: 53.066 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW015074.D

Acq: 28 Feb 2020 11:18

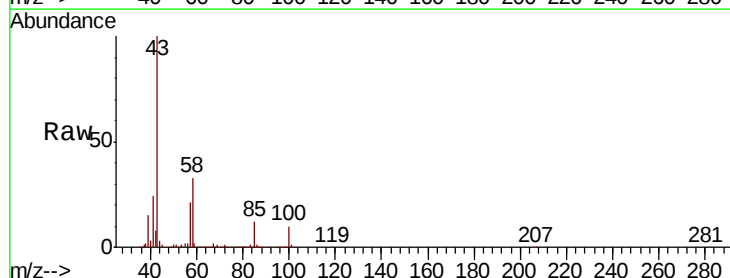
Tgt Ion: 43 Resp: 339772

Ion Ratio Lower Upper

43 100

58 33.9 27.6 41.4

100 10.3 8.6 13.0



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

400000

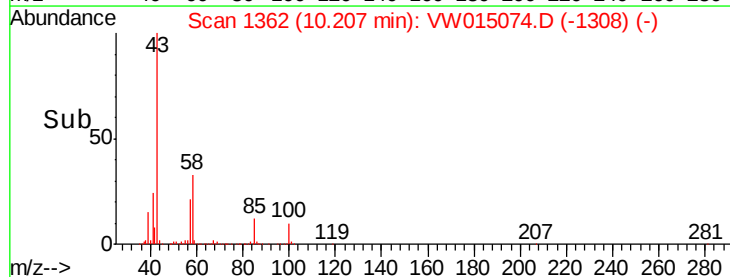
300000

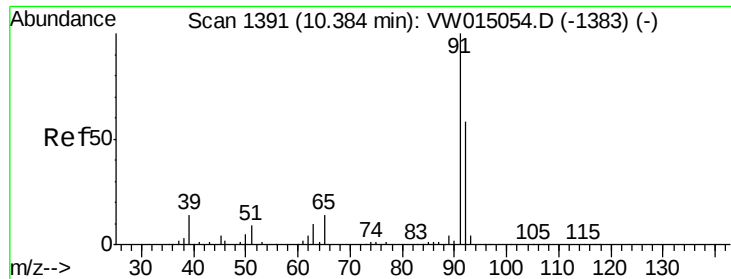
200000

100000

0

Time-->





#44

Toluene

Concen: 26.682 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW015074.D

Acq: 28 Feb 2020 11:18

Instrument :

MSVOA_W

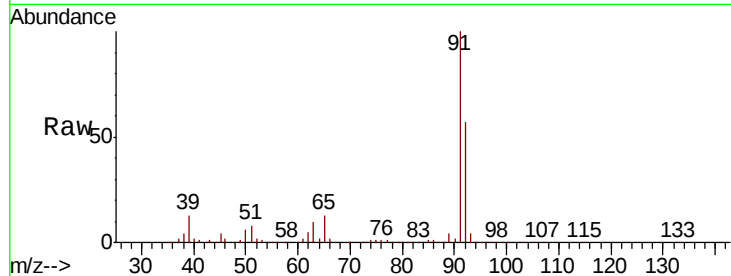
ClientSampleId :

Tot Ion: 91 Resp: 1068080

Ion Ratio Lower Upper

91 100

92 57.0 40.5 75.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.38

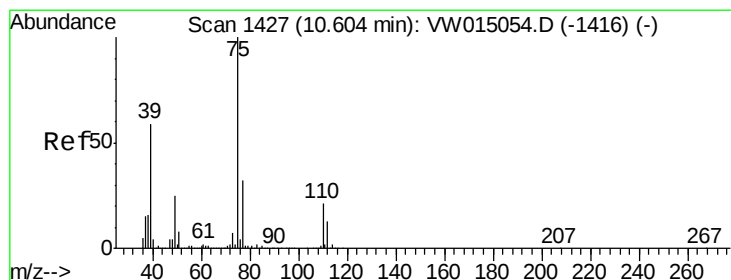
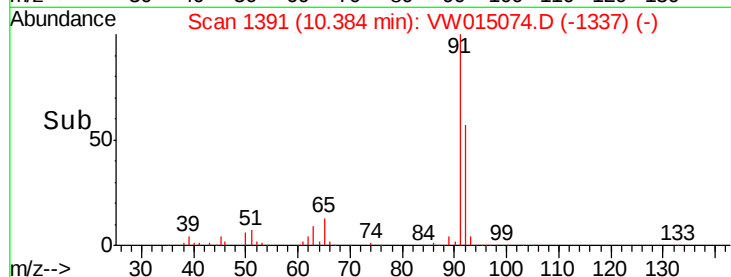
600000

400000

200000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 25.657 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW015074.D

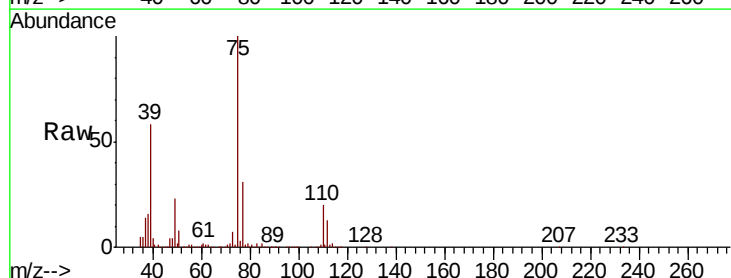
Acq: 28 Feb 2020 11:18

Tgt Ion: 75 Resp: 309334

Ion Ratio Lower Upper

75 100

77 31.0 21.6 40.2



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.60

200000

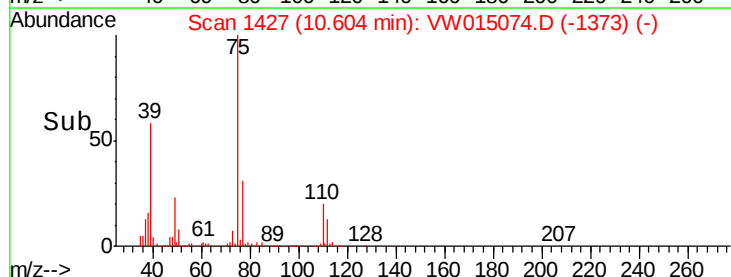
150000

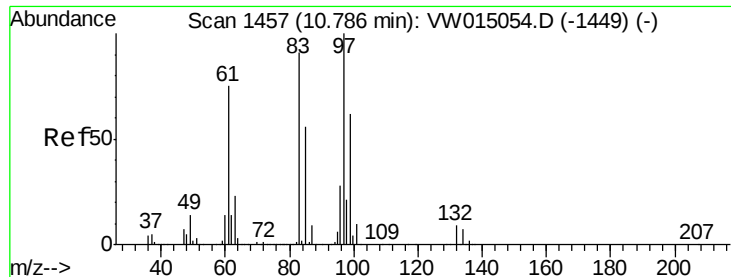
100000

50000

0

Time-->





#46

1,1,2-Trichloroethane

Concen: 25.583 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW015074.D

Acq: 28 Feb 2020 11:18

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 97 Resp: 164808

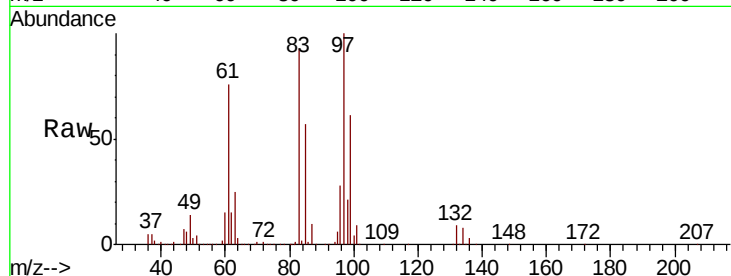
Ion Ratio Lower Upper

97 100

83 92.6 64.4 119.6

85 56.8 40.9 75.9

99 61.1 44.1 81.9



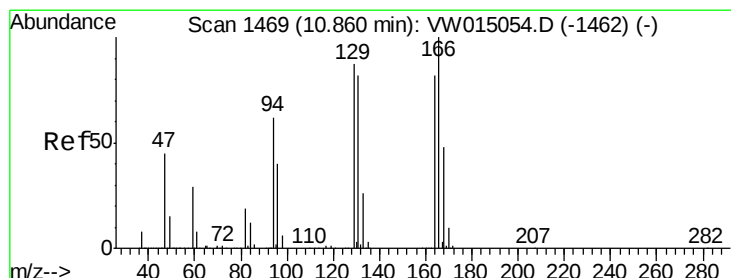
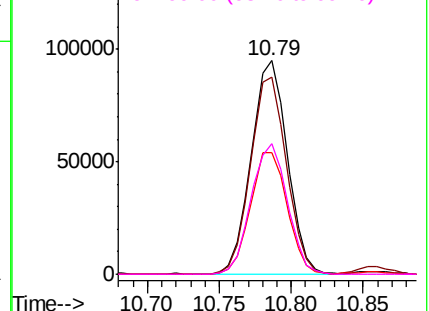
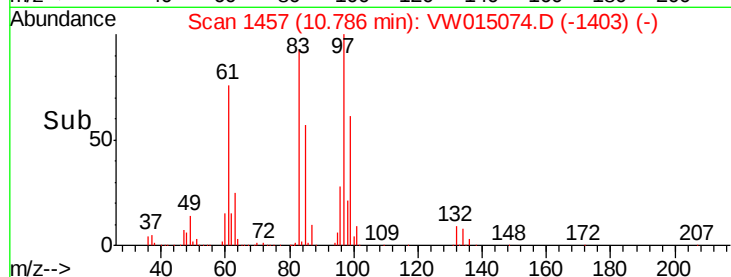
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 24.433 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW015074.D

Acq: 28 Feb 2020 11:18

Tgt Ion: 164 Resp: 157004

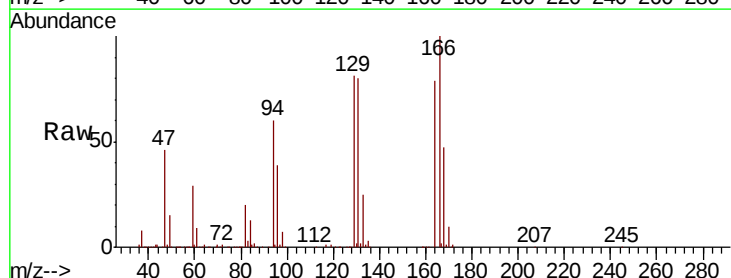
Ion Ratio Lower Upper

164 100

129 102.3 71.7 133.1

131 102.1 70.1 130.3

166 126.9 91.3 169.6



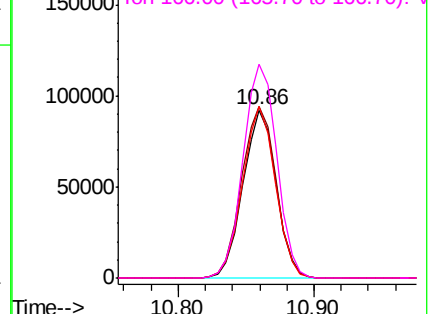
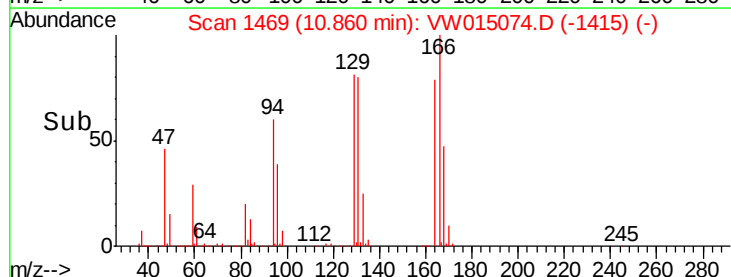
Abundance

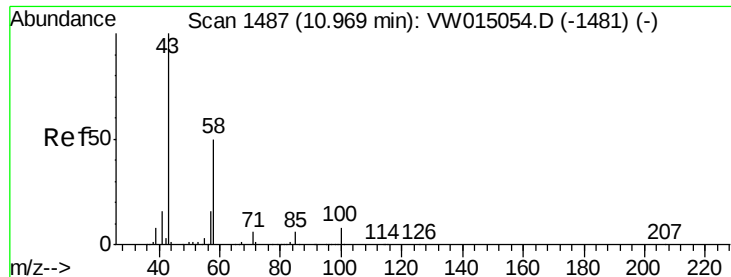
Ion 164.00 (163.70 to 164.70): V

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

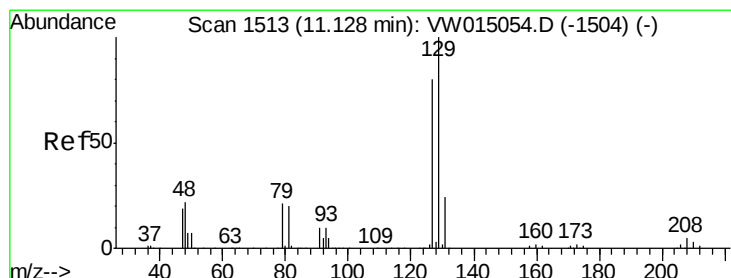
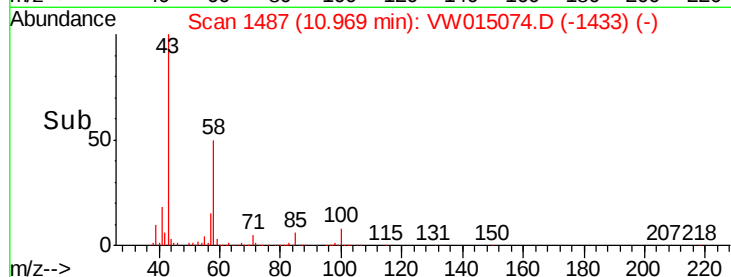
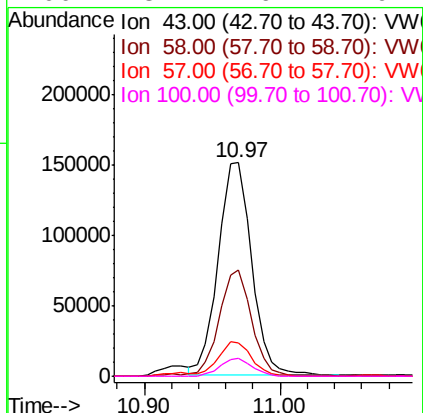
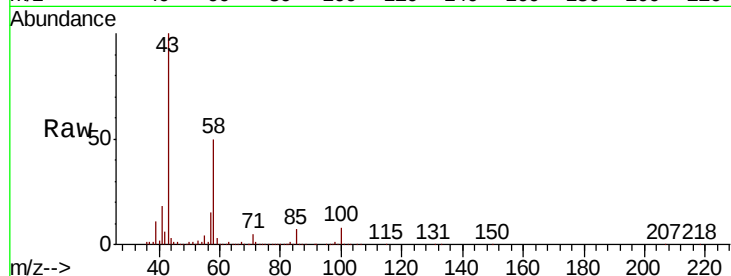




#49
2-Hexanone
Concen: 55.820 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW015074.D
Acq: 28 Feb 2020 11:18

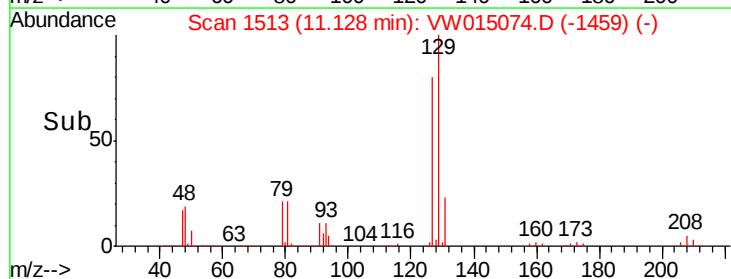
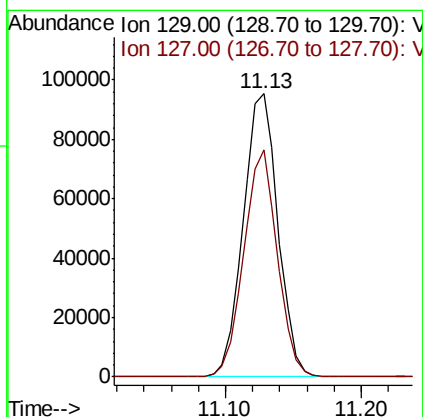
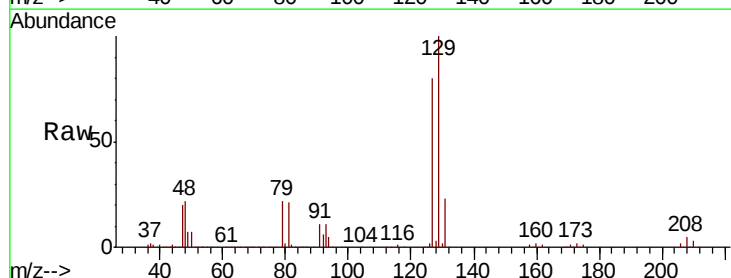
Instrument :
MSVOA_W
ClientSampleId :

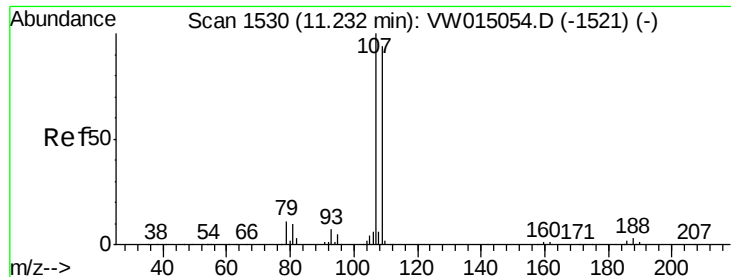
Tot Ion:	43	Resp:	259116
Ion	Ratio	Lower	Upper
43	100		
58	48.4	38.9	58.3
57	16.0	13.4	20.2
100	8.2	6.7	10.1



#50
Dibromochloromethane
Concen: 24.866 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW015074.D
Acq: 28 Feb 2020 11:18

Tgt Ion:	129	Resp:	170472
Ion	Ratio	Lower	Upper
129	100		
127	80.0	56.4	104.7

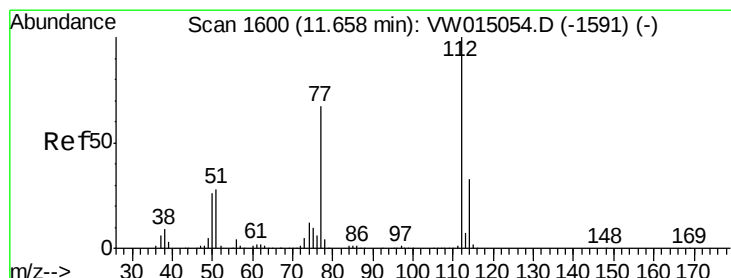
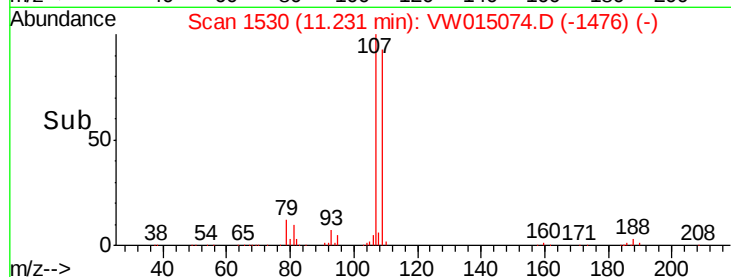
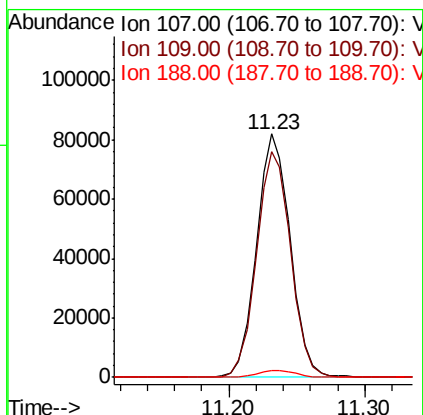
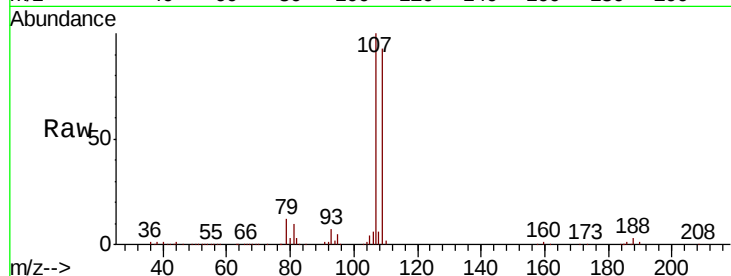




#51
1,2-Dibromoethane
Concen: 25.284 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VW015074.D
Acq: 28 Feb 2020 11:18

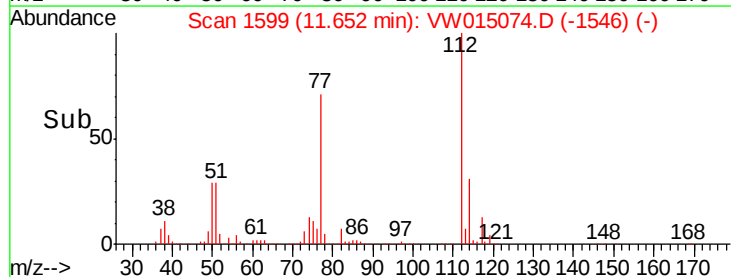
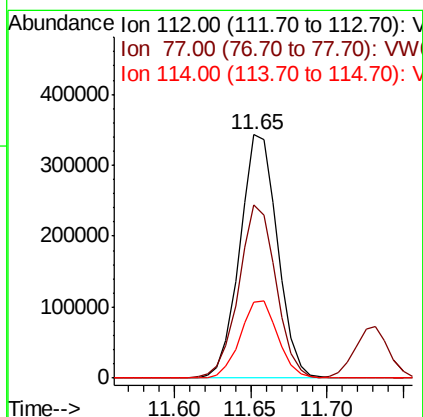
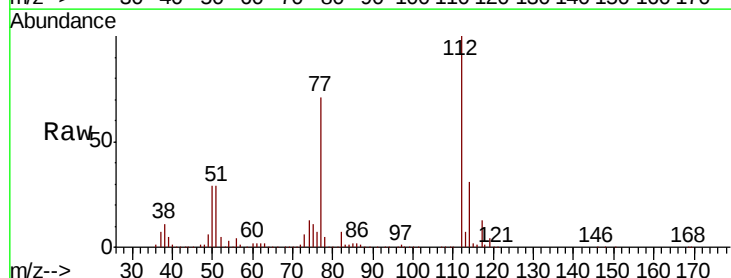
Instrument :
MSVOA_W
ClientSampled :

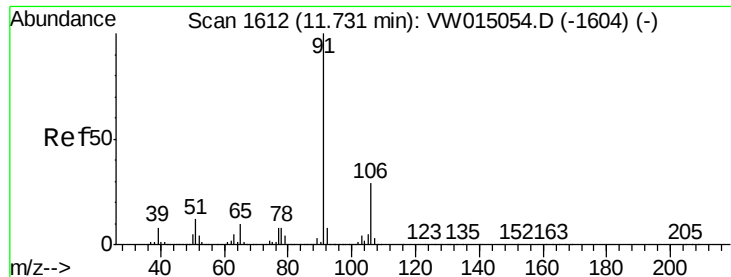
Tot Ion	Ratio	Lower	Upper
107	100		
109	92.9	61.9	114.9
188	2.7	2.5	3.7



#52
Chlorobenzene
Concen: 24.918 ug/L
RT: 11.65 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VW015074.D
Acq: 28 Feb 2020 11:18

Tgt Ion	Ratio	Lower	Upper
112	100		
77	71.3	57.0	85.6
114	31.1	22.5	41.9

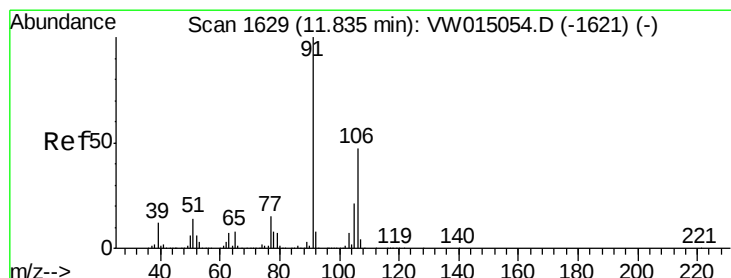
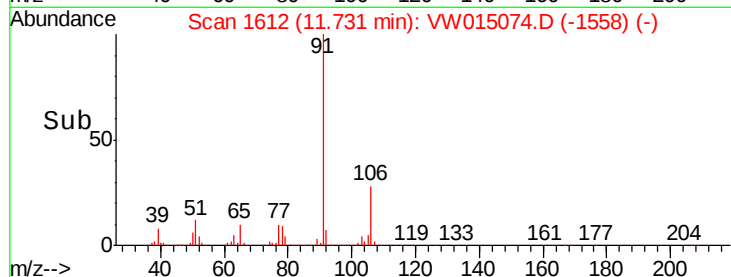
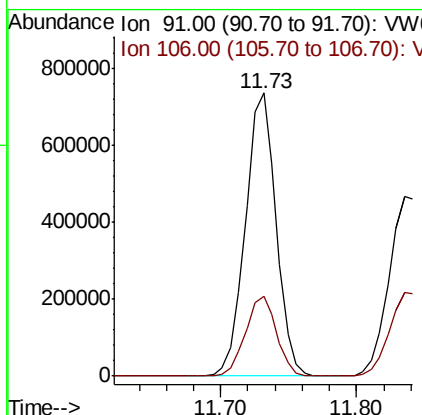
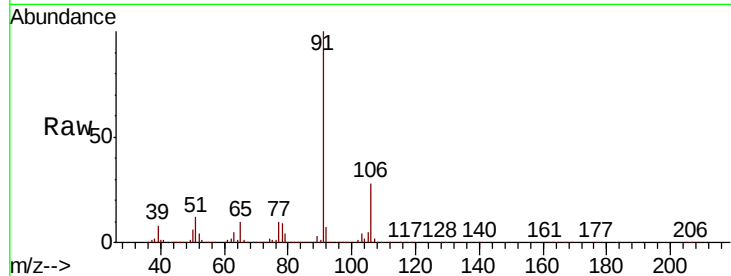




#53
Ethylbenzene
Concen: 26.638 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW015074.D
Acq: 28 Feb 2020 11:18

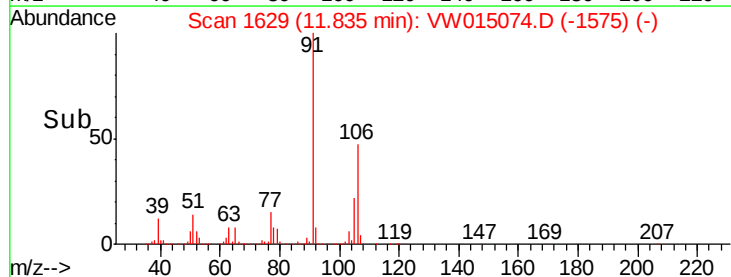
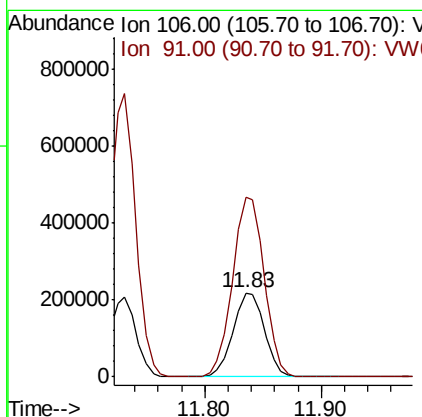
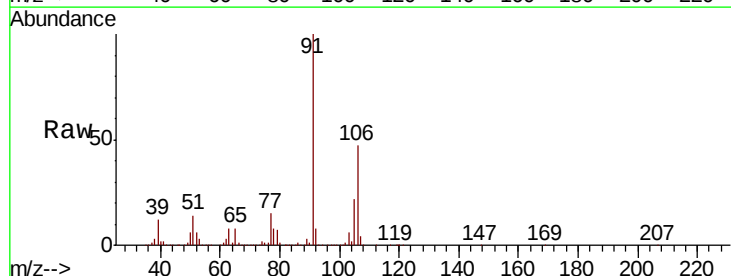
Instrument :
MSVOA_W
ClientSampled :

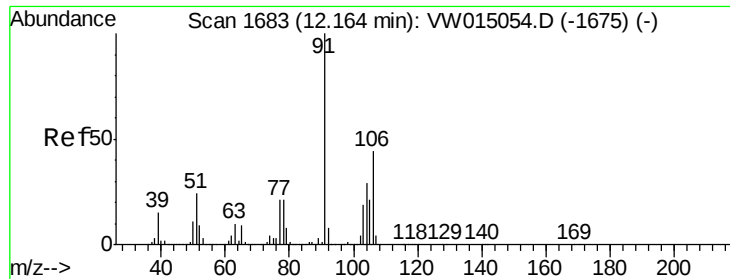
Tot Ion: 91 Resp: 1164901
Ion Ratio Lower Upper
91 100
106 28.1 20.1 37.3



#54
m,p-Xylene
Concen: 26.890 ug/L
RT: 11.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW015074.D
Acq: 28 Feb 2020 11:18

Tgt Ion: 106 Resp: 411414
Ion Ratio Lower Upper
106 100
91 214.3 151.4 281.2

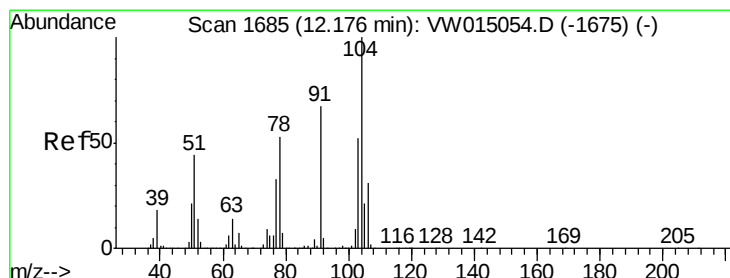
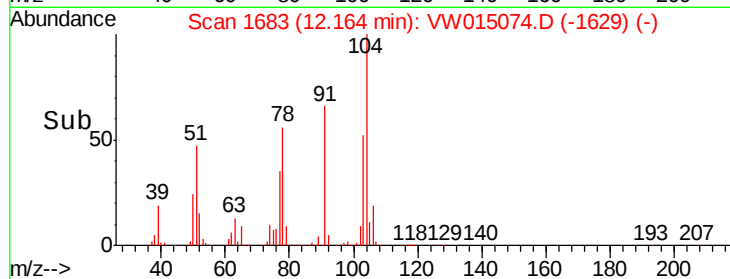
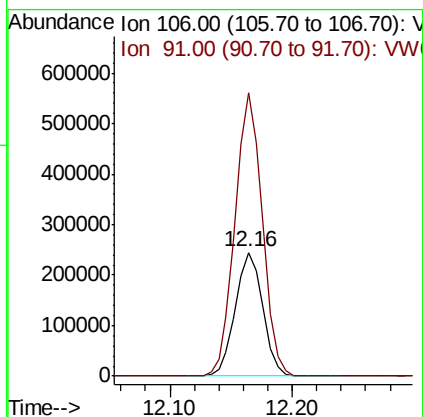
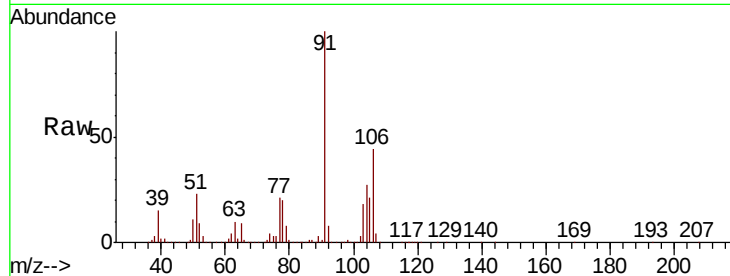




#55
o-xylene
Concen: 26.606 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW015074.D
Acq: 28 Feb 2020 11:18

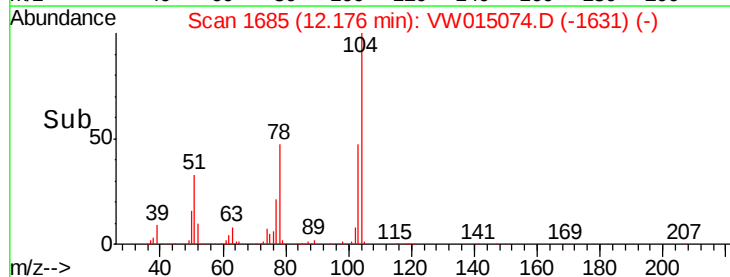
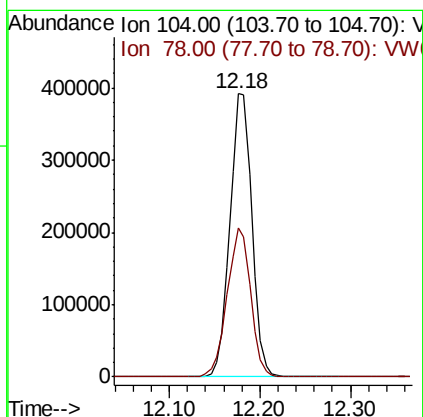
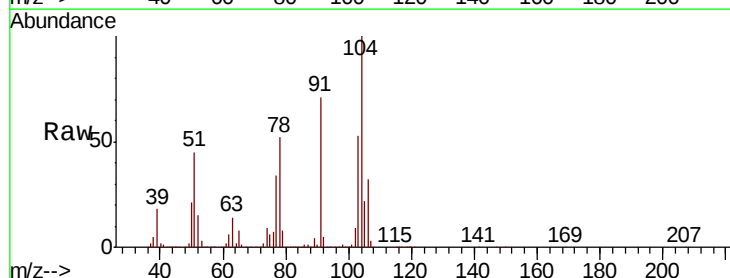
Instrument :
MSVOA_W
ClientSampled :

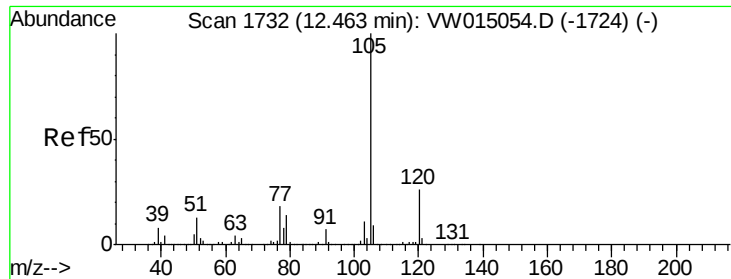
Tot Ion:106 Resp: 379290
Ion Ratio Lower Upper
106 100
91 228.3 162.5 301.9



#56
Styrene
Concen: 27.066 ug/L
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW015074.D
Acq: 28 Feb 2020 11:18

Tgt Ion:104 Resp: 660889
Ion Ratio Lower Upper
104 100
78 52.5 35.6 66.0





#57

Isopropylbenzene

Concen: 27.421 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW015074.D

Acq: 28 Feb 2020 11:18

Instrument :

MSVOA_W

ClientSampleId :

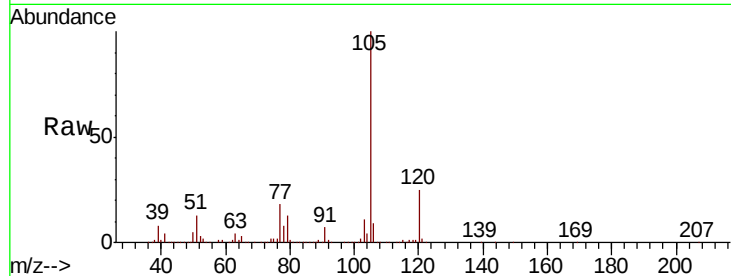
Tot Ion:105 Resp: 1064603

Ion Ratio Lower Upper

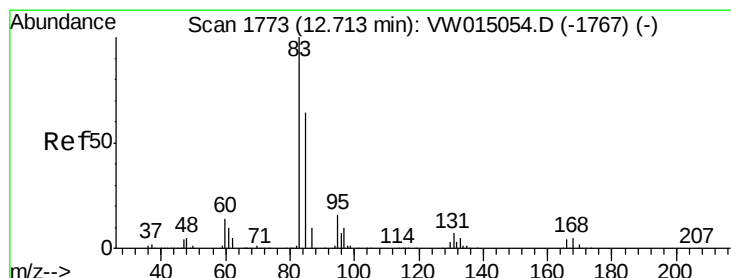
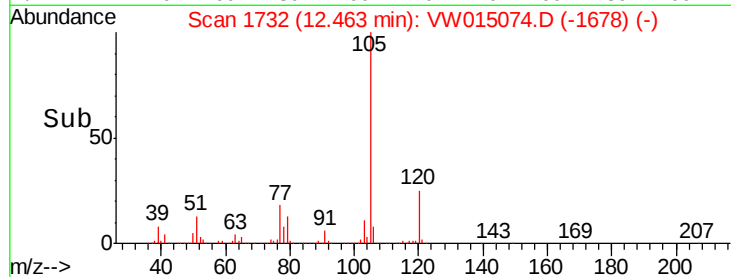
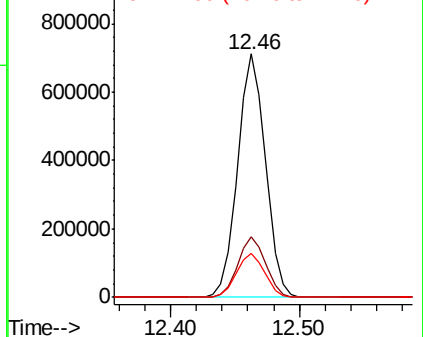
105 100

120 24.7 19.8 29.8

77 18.0 14.4 21.6



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: 25.518 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW015074.D

Acq: 28 Feb 2020 11:18

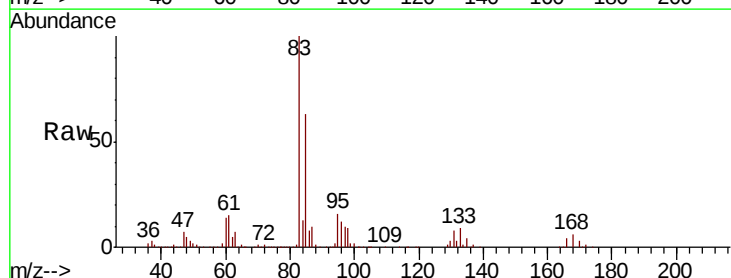
Tgt Ion: 83 Resp: 207410

Ion Ratio Lower Upper

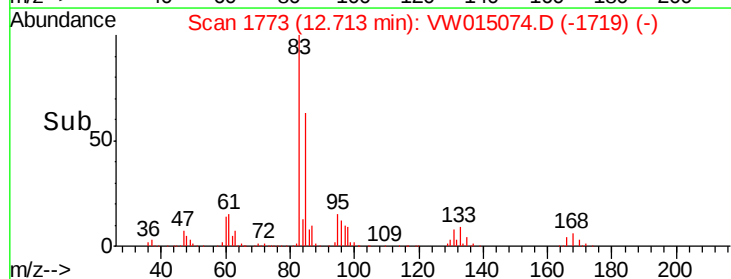
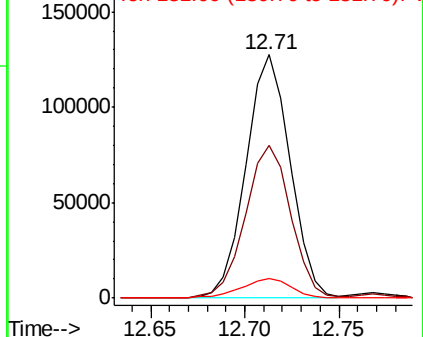
83 100

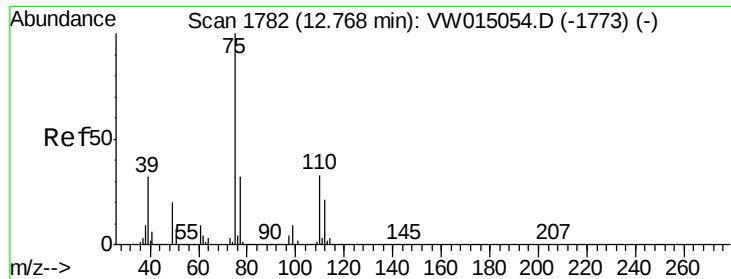
85 62.9 44.2 82.0

131 8.3 6.3 9.5



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: 24.985 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW015074.D

Acq: 28 Feb 2020 11:18

Instrument :

MSVOA_W

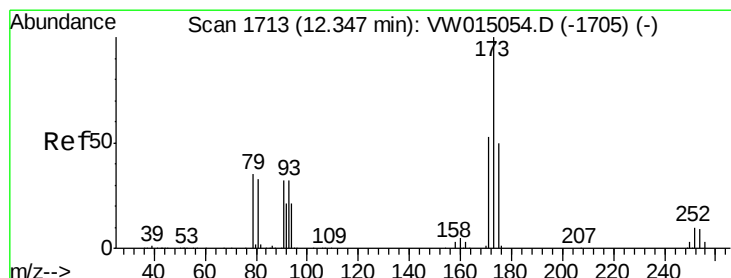
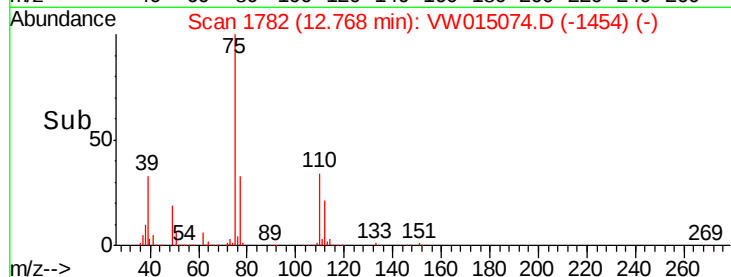
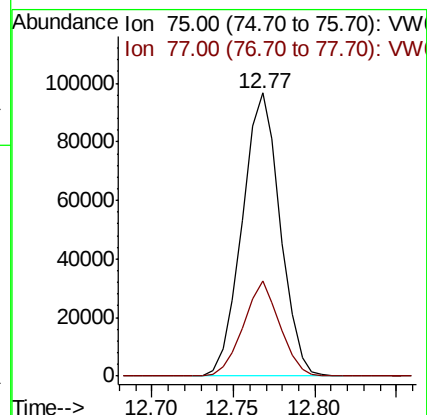
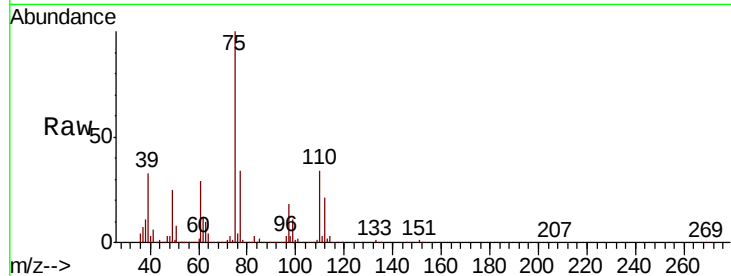
ClientSampled :

Tot Ion: 75 Resp: 156092

Ion Ratio Lower Upper

75 100

77 32.3 25.4 38.0



#62

Bromoform

Concen: 24.495 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW015074.D

Acq: 28 Feb 2020 11:18

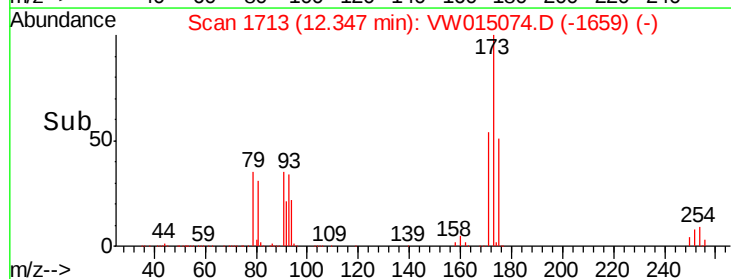
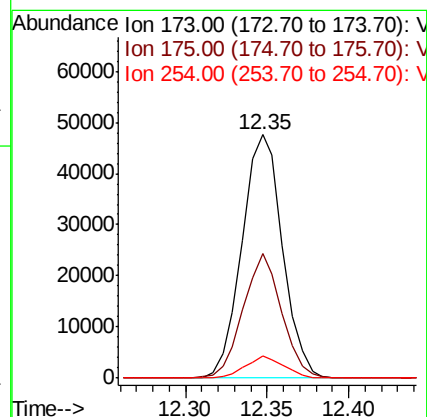
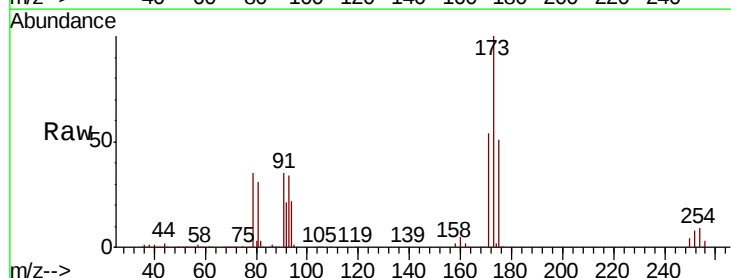
Tgt Ion:173 Resp: 82336

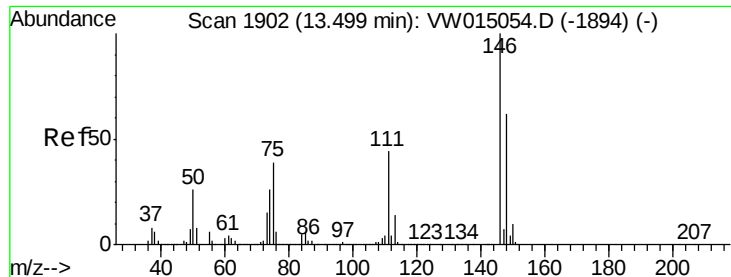
Ion Ratio Lower Upper

173 100

175 48.7 38.7 58.1

254 8.2 7.0 10.4

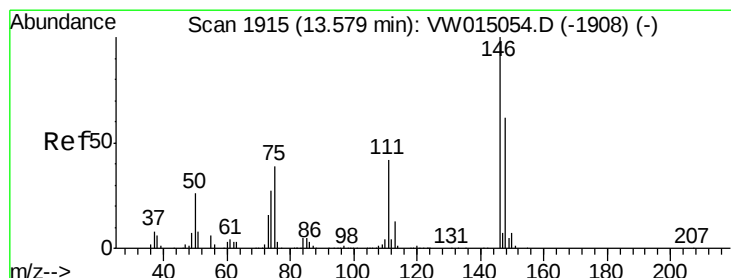
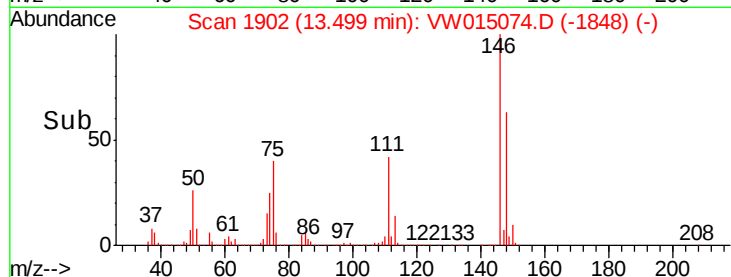
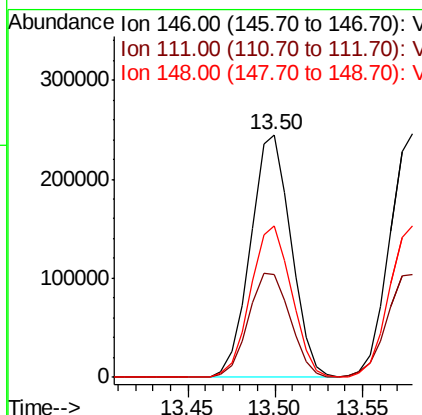
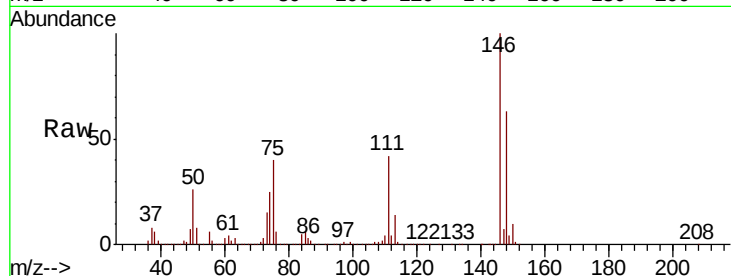




#63
 1,3-Dichlorobenzene
 Concen: 25.260 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW015074.D
 Acq: 28 Feb 2020 11:18

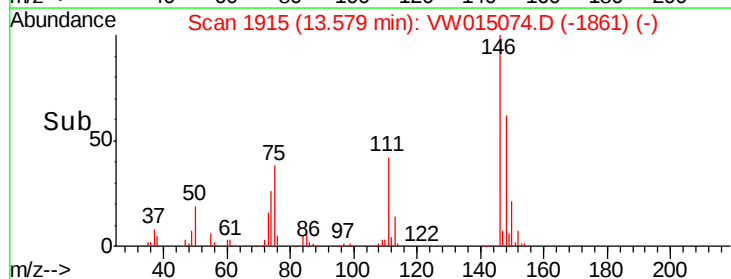
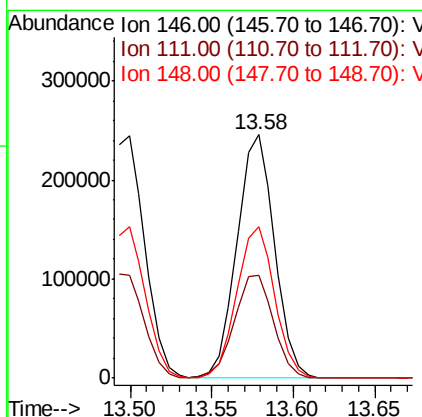
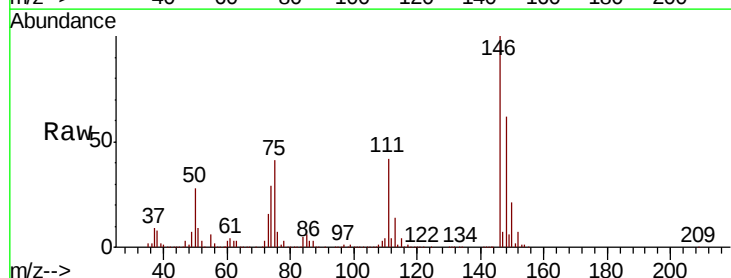
Instrument :
 MSVOA_W
 ClientSampleId :

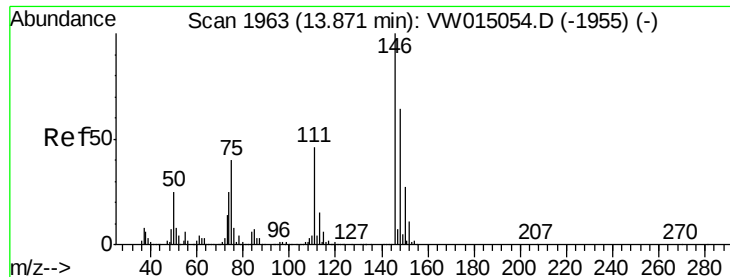
Tot Ion:146 Resp: 394080
 Ion Ratio Lower Upper
 146 100
 111 42.5 30.9 57.3
 148 62.7 44.6 82.8



#64
 1,4-Dichlorobenzene
 Concen: 24.529 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW015074.D
 Acq: 28 Feb 2020 11:18

Tgt Ion:146 Resp: 393999
 Ion Ratio Lower Upper
 146 100
 111 42.5 29.9 55.5
 148 62.4 46.1 85.5

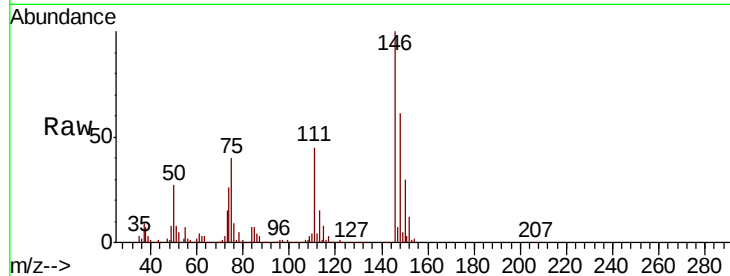




#65
 1,2-Dichlorobenzene
 Concen: 24.906 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW015074.D
 Acq: 28 Feb 2020 11:18

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.2	37.7	56.5
148	60.9	50.0	75.0

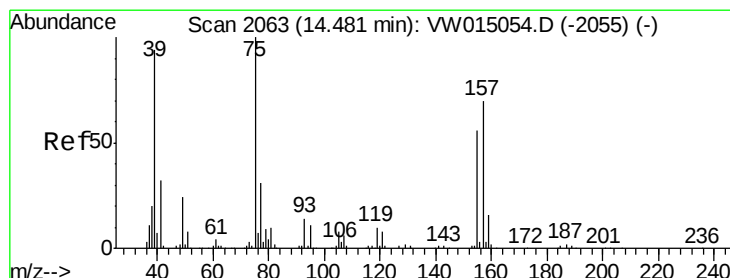
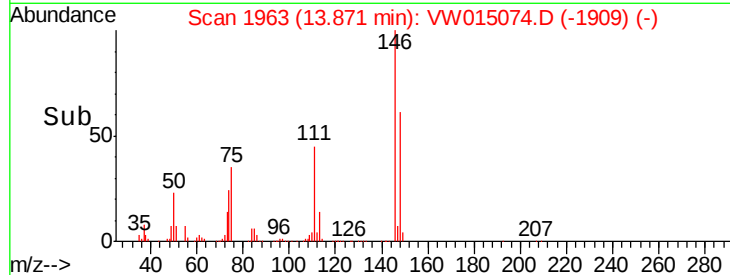
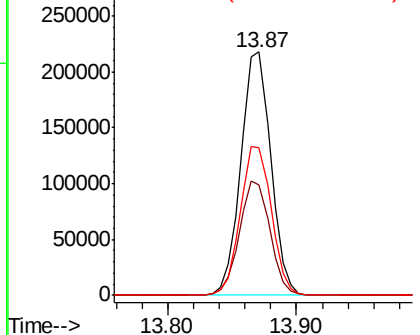


Abundance

Ion 146.00 (145.70 to 146.70): V

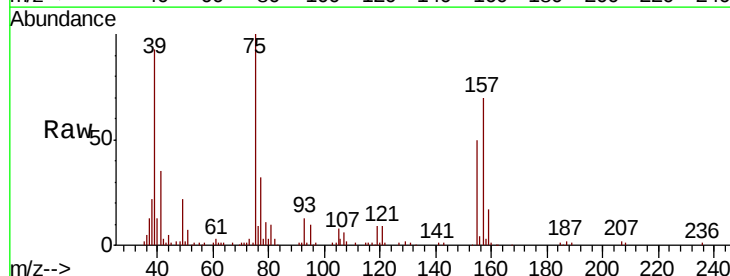
Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66
 1,2-Dibromo-3-chloropropane
 Concen: 23.778 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW015074.D
 Acq: 28 Feb 2020 11:18

Tgt Ion	Ratio	Lower	Upper
75	100		
157	70.0	61.4	92.0
155	50.2	45.0	67.6

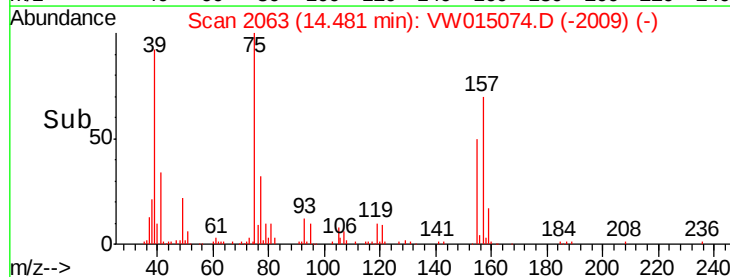
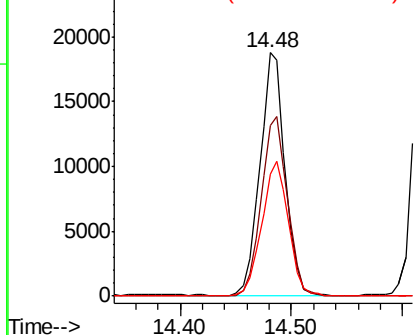


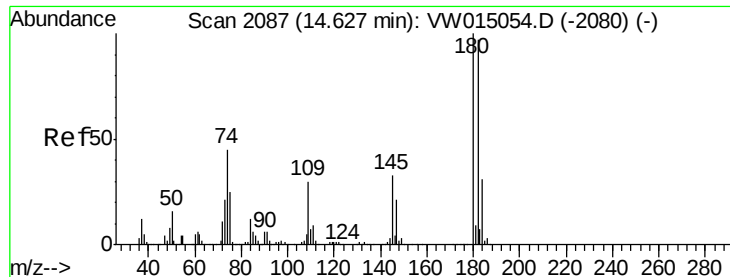
Abundance

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

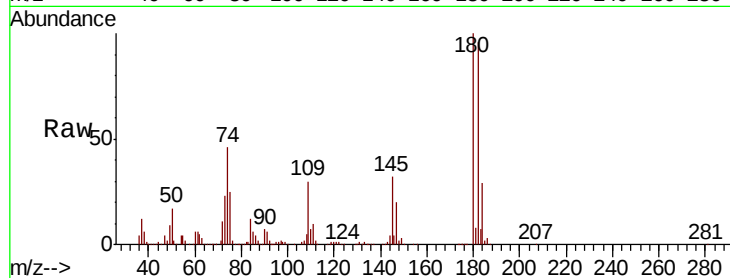




#67
 1,3,5-Trichlorobenzene
 Concen: 23.852 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW015074.D
 Acq: 28 Feb 2020 11:18

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	75.4	113.0
184	30.0	23.9	35.9
145	32.2	25.4	38.2



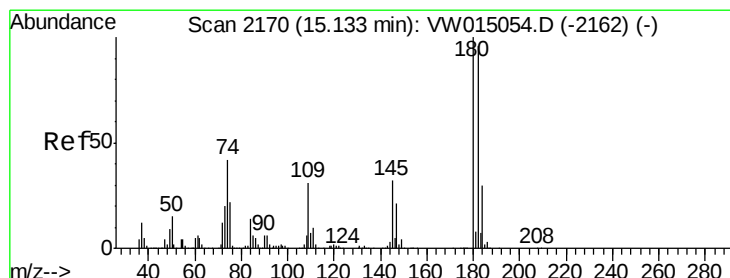
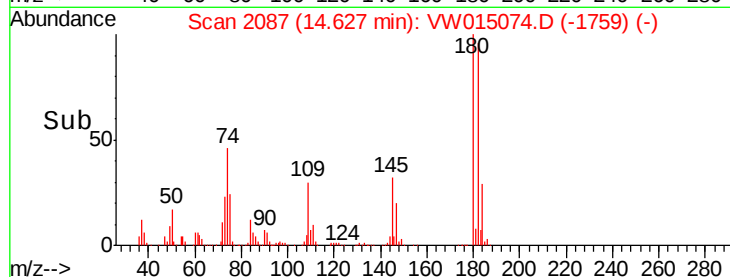
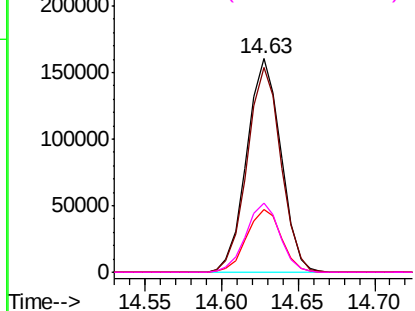
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

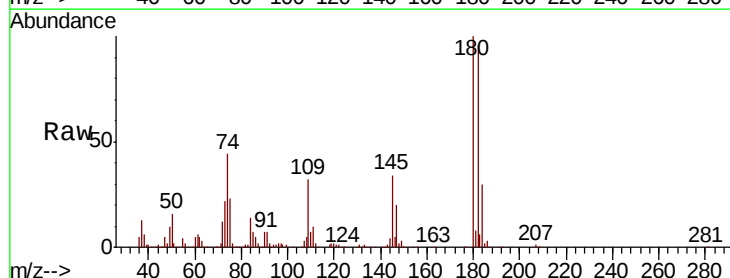
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 22.761 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW015074.D
 Acq: 28 Feb 2020 11:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	75.7	113.5
145	33.4	25.9	38.9

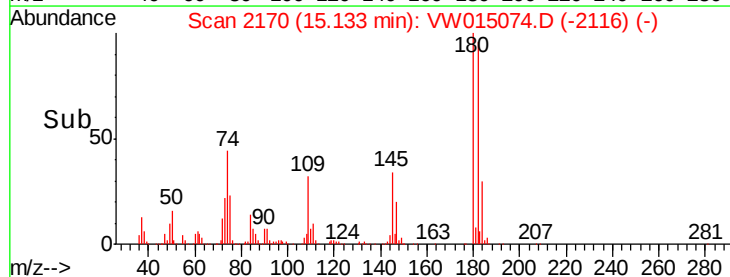
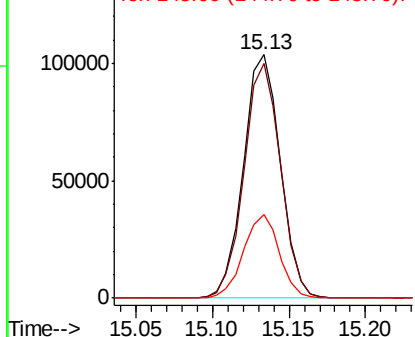


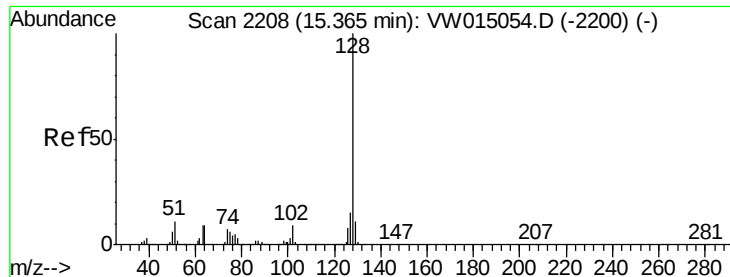
Abundance

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: 22.091 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW015074.D

Acq: 28 Feb 2020 11:18

Instrument :

MSVOA_W

ClientSampleId :

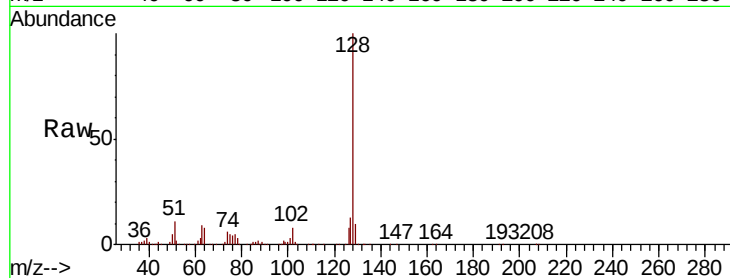
Tot Ion:128 Resp: 149943

Ion Ratio Lower Upper

128 100

129 11.3 8.9 13.3

127 13.9 11.1 16.7

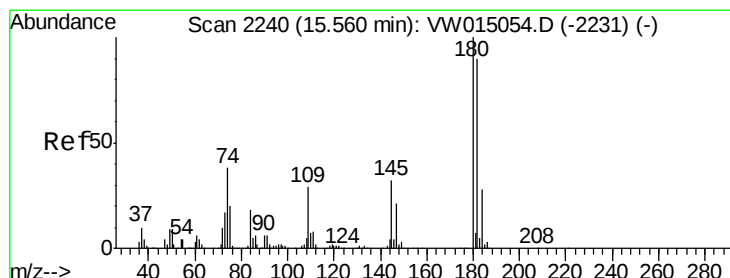
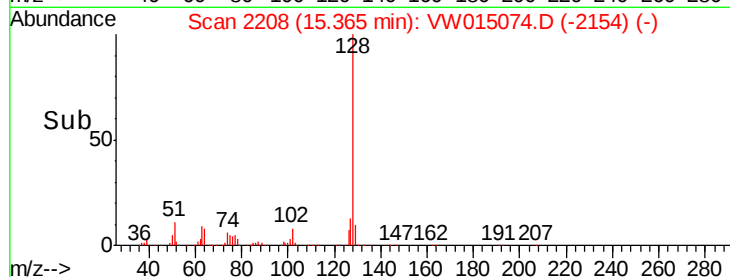
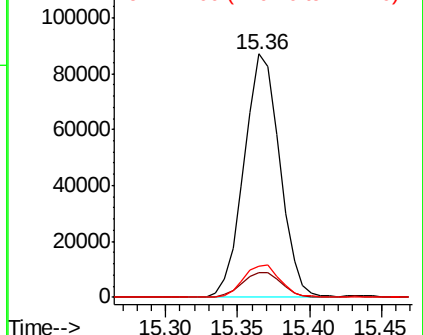


Abundance

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: 23.494 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW015074.D

Acq: 28 Feb 2020 11:18

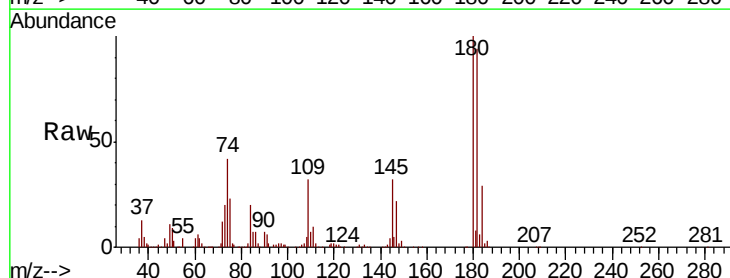
Tgt Ion:180 Resp: 161231

Ion Ratio Lower Upper

180 100

182 95.6 75.8 113.6

145 33.7 27.1 40.7



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

