

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021120\
 Data File : VW014955.D
 Acq On : 11 Feb 2020 09:44
 Operator : SY/VA
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Feb 12 00:11:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM020520S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Feb 11 17:22:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	733398	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	679774	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	314009	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	318951	26.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	105.08%
7) Chloroethane-d5	2.89	69	263667	27.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	108.48%
10) 1,1-Dichloroethene-d2	4.02	63	604800	27.26	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	109.04%
20) 2-Butanone-d5	7.07	46	177810	52.18	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.36%
24) Chloroform-d	7.65	84	576116	27.67	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	110.68%
26) 1,2-Dichloroethane-d4	8.31	65	327371	28.41	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	113.64%
29) Benzene-d6	8.27	84	1126286	25.76	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	103.04%
33) 1,2-Dichloropropane-d6	9.27	67	385120	27.04	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	108.16%
37) Toluene-d8	10.32	98	971901	25.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.04%
38) trans-1,3-Dichloropropene-	10.57	79	139453	24.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.16%
39) 2-Hexanone-d5	10.92	63	128516	49.49	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.98%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	274510	25.59	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	102.36%
61) 1,2-Dichlorobenzene-d4	13.85	152	274256	22.52	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.08%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	190613	25.281	ug/L	85
3) Chloromethane	2.21	50	327223	28.641	ug/L	100
5) Vinyl chloride	2.37	62	435127	29.168	ug/L	100
6) Bromomethane	2.78	94	193714	25.969	ug/L	99
8) Chloroethane	2.93	64	234708	28.756	ug/L	97
9) Trichlorofluoromethane	3.26	101	195558	32.429	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	302813	28.447	ug/L	92
12) 1,1-Dichloroethene	4.04	96	274986	26.432	ug/L	88
13) Acetone	4.12	43	183533	52.183	ug/L	95
14) Carbon disulfide	4.39	76	883539	28.285	ug/L	100
15) Methyl Acetate	4.67	43	165732	28.635	ug/L	95
16) Methylene chloride	4.92	84	313991	23.500	ug/L	87
17) Methyl tert-butyl Ether	5.43	73	342896	25.229	ug/L	95
18) trans-1,2-Dichloroethene	5.42	96	277744	26.349	ug/L	88
19) 1,1-Dichloroethane	6.21	63	640437	29.990	ug/L	99
21) 2-Butanone	7.17	43	224531	54.526	ug/L	95
22) cis-1,2-Dichloroethene	7.17	96	296937	26.044	ug/L	92

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

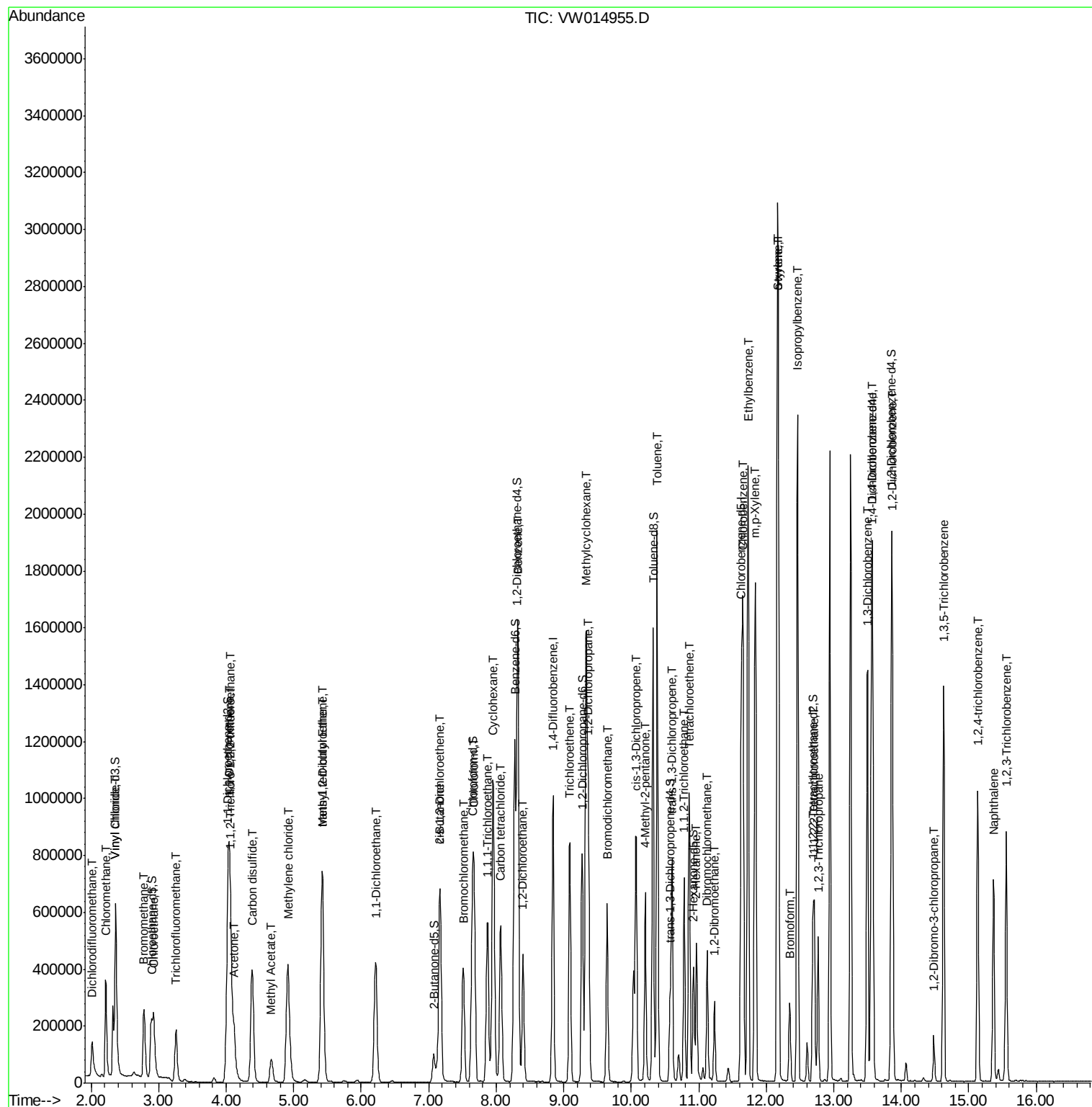
23) Bromochloromethane	7.51	128	117425	25.103	ug/L	84
25) Chloroform	7.67	83	579459	29.539	ug/L	99
27) 1,2-Dichloroethane	8.40	62	402877	29.789	ug/L	97
30) Cyclohexane	7.96	56	594022	29.328	ug/L	93
31) 1,1,1-Trichloroethane	7.87	97	441722	28.498	ug/L	96
32) Carbon tetrachloride	8.07	117	398837	28.625	ug/L	98
34) Benzene	8.32	78	1323876	28.322	ug/L	100
35) Trichloroethene	9.09	95	309112	26.678	ug/L	94
36) Methylcyclohexane	9.34	83	557951	27.644	ug/L	92
40) 1,2-Dichloropropane	9.37	63	368309	29.443	ug/L	99
41) Bromodichloromethane	9.64	83	408159	28.470	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	487494	27.445	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	461177	56.224	ug/L	95
44) Toluene	10.38	91	1330881	28.045	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	398619	27.867	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	212846	25.847	ug/L	97
47) Tetrachloroethene	10.86	164	203081	23.853	ug/L	97
49) 2-Hexanone	10.96	43	327940	56.918	ug/L	95
50) Dibromochloromethane	11.13	129	226991	25.648	ug/L	100
51) 1,2-Dibromoethane	11.23	107	187047	24.412	ug/L	99
52) Chlorobenzene	11.65	112	742022	25.575	ug/L	94
53) Ethylbenzene	11.73	91	1461245	28.147	ug/L	97
54) m,p-Xylene	11.84	106	514231	27.118	ug/L	92
55) o-xylene	12.16	106	480781	26.640	ug/L	90
56) Styrene	12.18	104	852603	27.952	ug/L	93
57) Isopropylbenzene	12.46	105	1348345	27.819	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	275783	26.831	ug/L	95
59) 1,2,3-Trichloropropane	12.77	75	207404	26.821	ug/L	98
62) Bromoform	12.35	173	114300	23.878	ug/L #	99
63) 1,3-Dichlorobenzene	13.50	146	527999	24.893	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	530186	24.814	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	484982	24.998	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.48	75	43094	26.051	ug/L	83
67) 1,3,5-Trichlorobenzene	14.63	180	365885	24.085	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	281422	23.447	ug/L	99
69) Naphthalene	15.36	128	559699	23.706	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	260604	23.515	ug/L	98

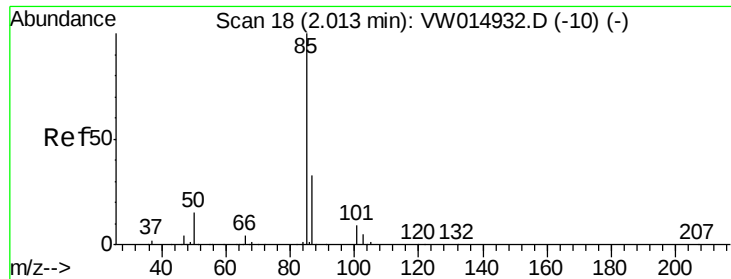
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 25.281 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW014955.D

Acq: 11 Feb 2020 09:44

Instrument :

MSVOA_W

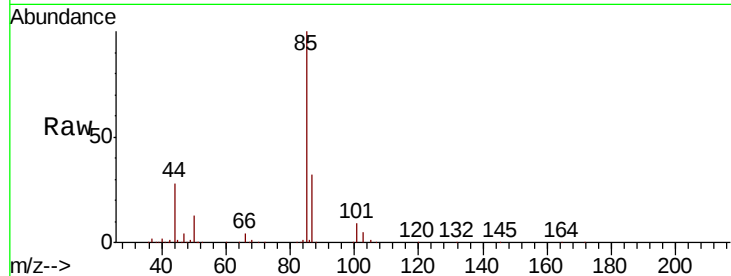
ClientSampleId :

Tot Ion: 85 Resp: 190613

Ion Ratio Lower Upper

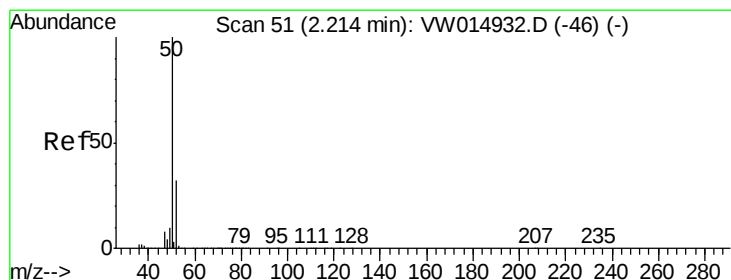
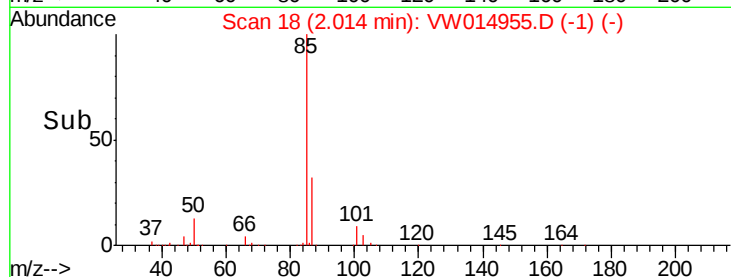
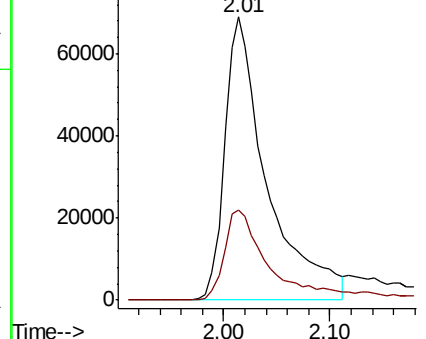
85 100

87 33.3 18.1 33.7



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 28.641 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW014955.D

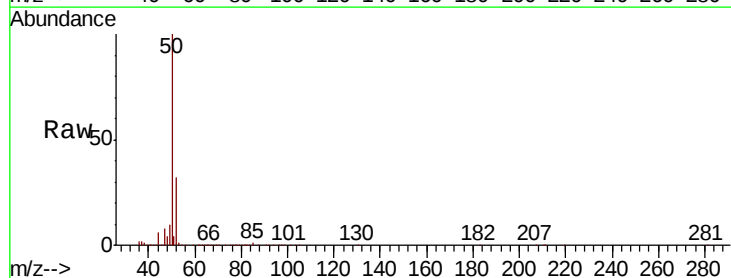
Acq: 11 Feb 2020 09:44

Tgt Ion: 50 Resp: 327223

Ion Ratio Lower Upper

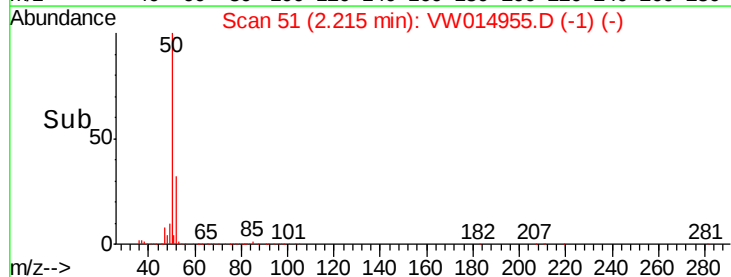
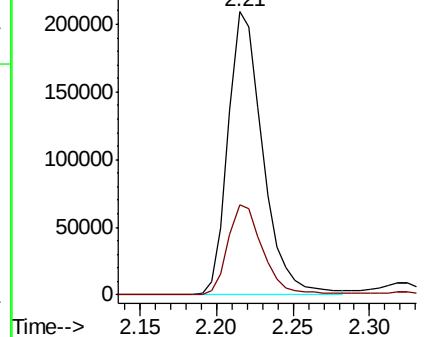
50 100

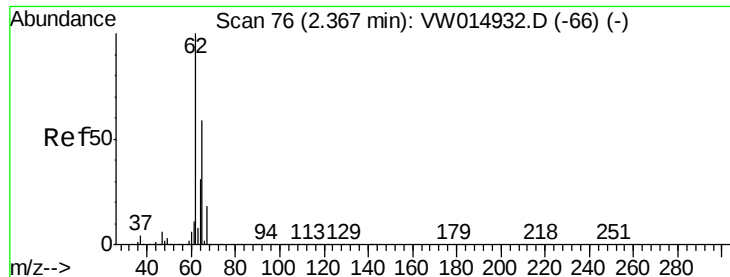
52 31.6 22.1 41.1



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 29.168 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW014955.D

Acq: 11 Feb 2020 09:44

Instrument :

MSVOA_W

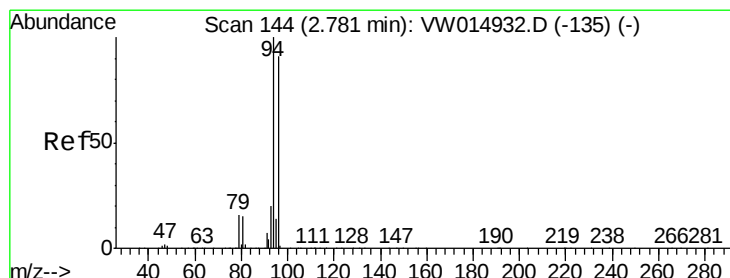
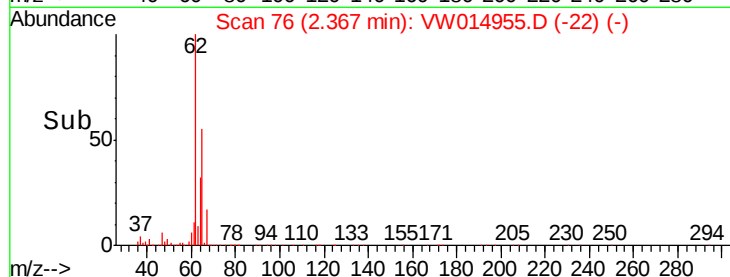
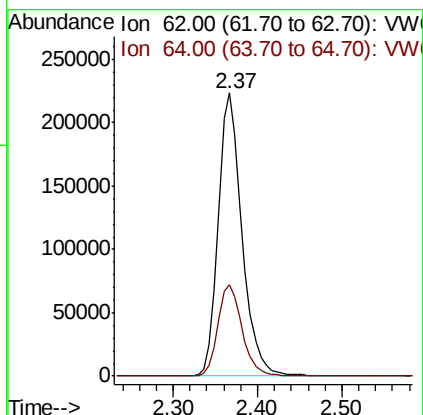
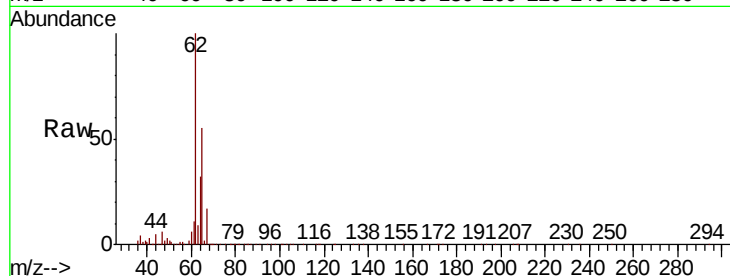
ClientSampleId :

Tot Ion: 62 Resp: 435127

Ion Ratio Lower Upper

62 100

64 32.3 22.5 41.9



#6

Bromomethane

Concen: 25.969 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW014955.D

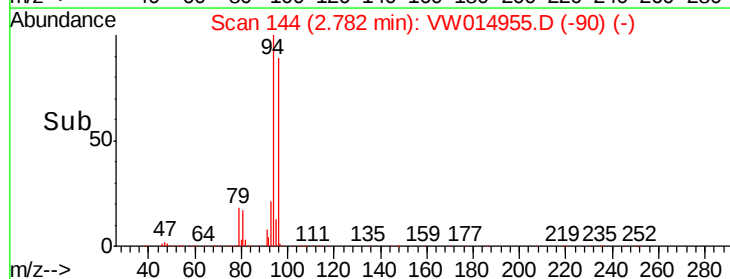
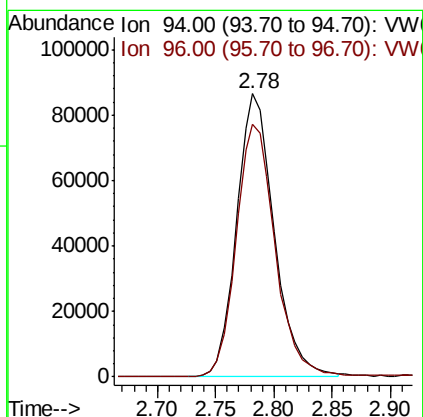
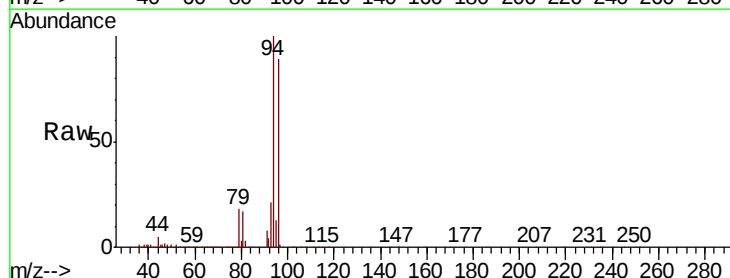
Acq: 11 Feb 2020 09:44

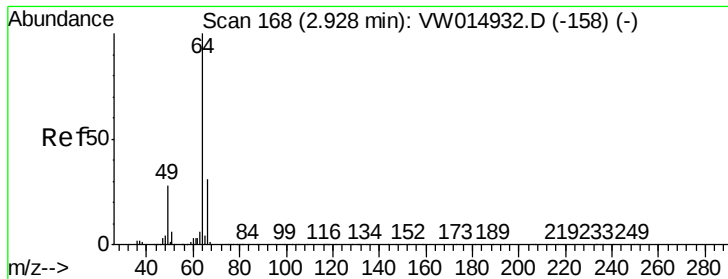
Tgt Ion: 94 Resp: 193714

Ion Ratio Lower Upper

94 100

96 92.4 9.4 178.0





#8

Chloroethane

Concen: 28.756 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW014955.D

Acq: 11 Feb 2020 09:44

Instrument :

MSVOA_W

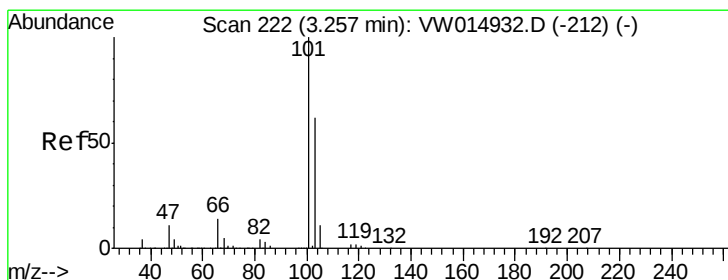
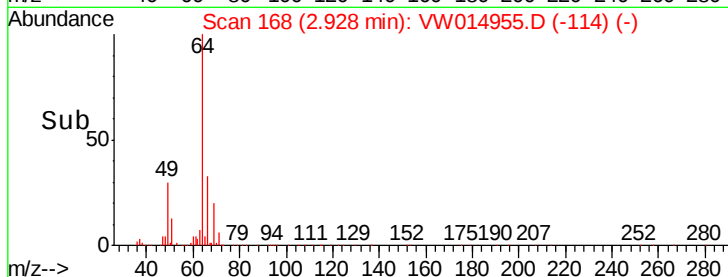
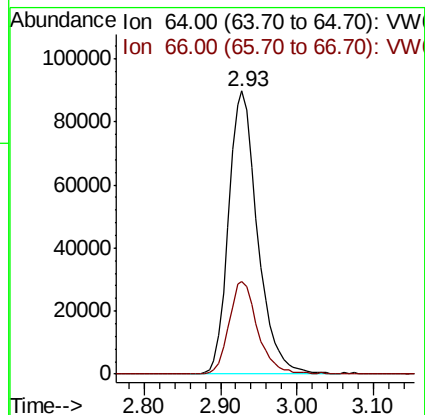
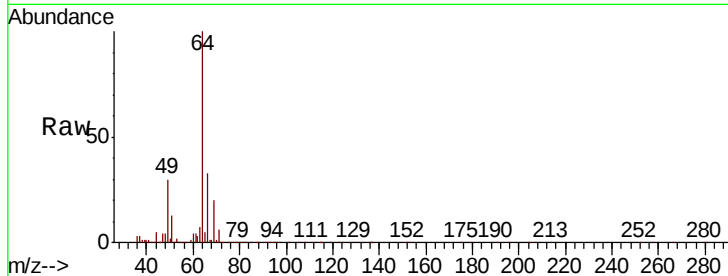
ClientSampleId :

Tot Ion: 64 Resp: 234708

Ion Ratio Lower Upper

64 100

66 32.7 21.9 40.7



#9

Trichlorofluoromethane

Concen: 32.429 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.00 min

Lab File: VW014955.D

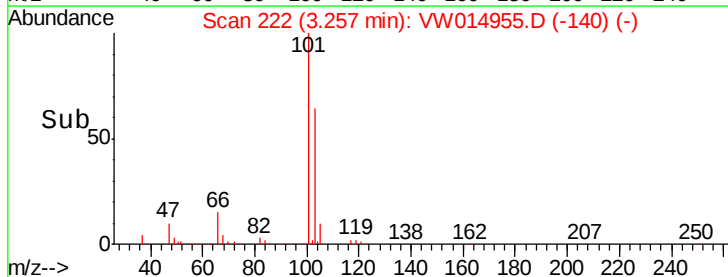
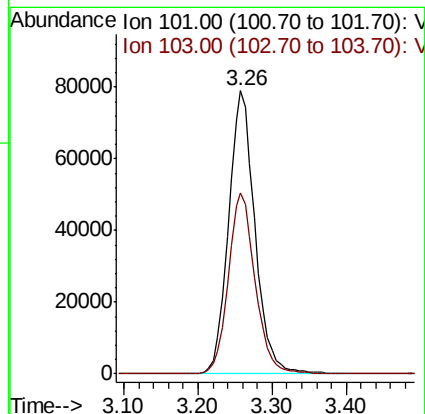
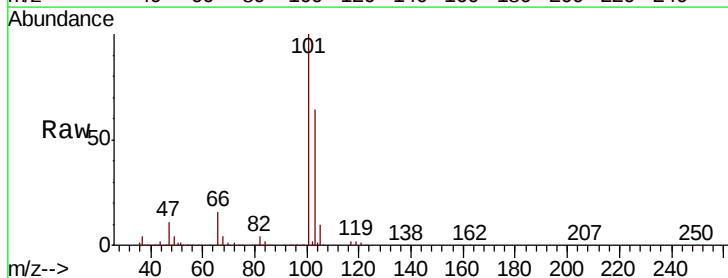
Acq: 11 Feb 2020 09:44

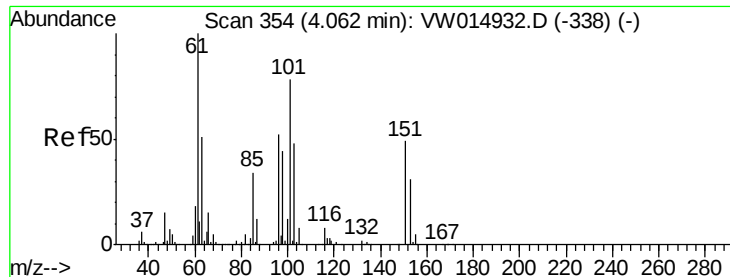
Tgt Ion: 101 Resp: 195558

Ion Ratio Lower Upper

101 100

103 64.7 45.8 85.0





#11

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

Concen: 28.447 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW014955.D

Acq: 11 Feb 2020 09:44

Instrument :
MSVOA_W
ClientSampled :

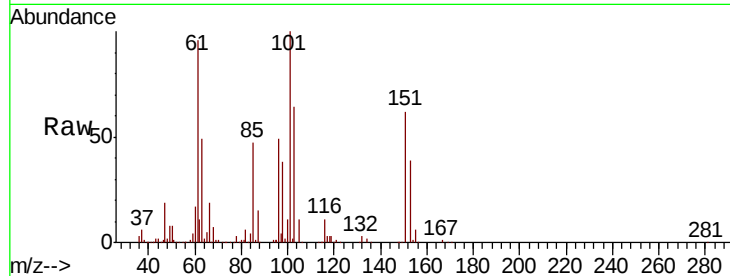
Tot Ion:101 Resp: 302813

Ion Ratio Lower Upper

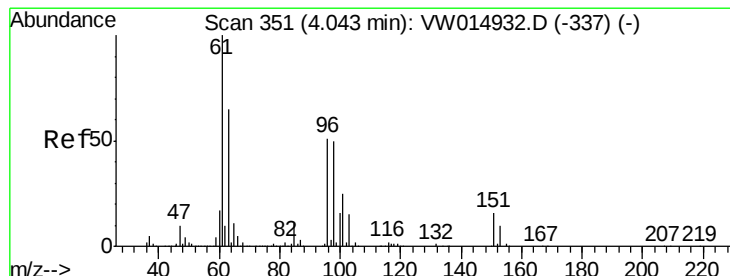
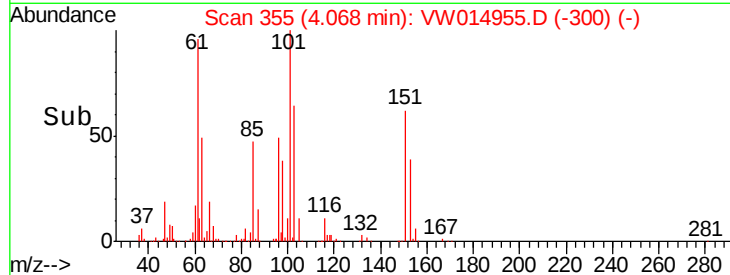
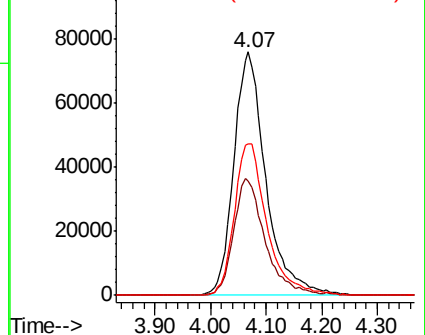
101 100

85 47.0 34.8 52.2

151 61.8 56.3 84.5



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: 26.432 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.00 min

Lab File: VW014955.D

Acq: 11 Feb 2020 09:44

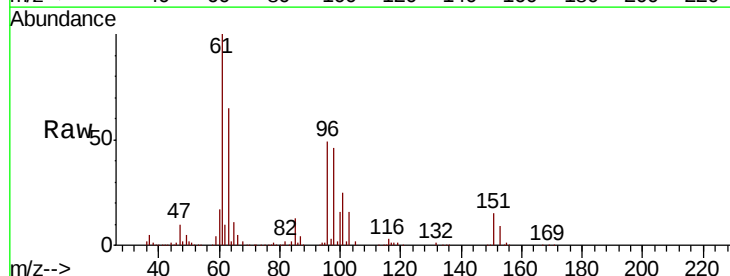
Tgt Ion: 96 Resp: 274986

Ion Ratio Lower Upper

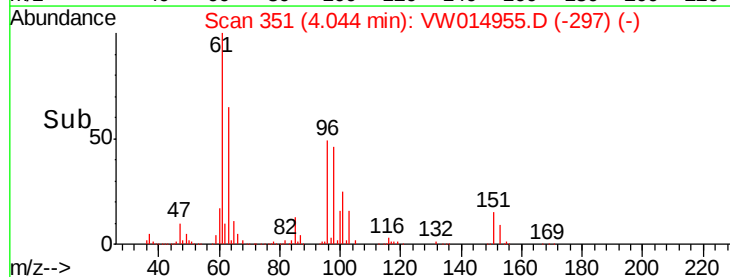
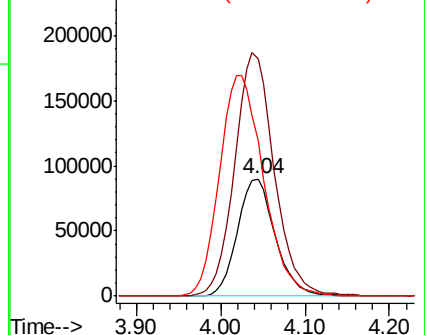
96 100

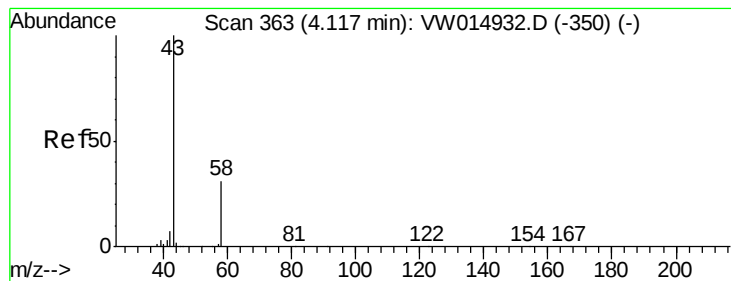
61 202.7 134.7 250.1

63 132.4 110.2 204.8



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: 52.183 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW014955.D

Acq: 11 Feb 2020 09:44

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MSVOA_W

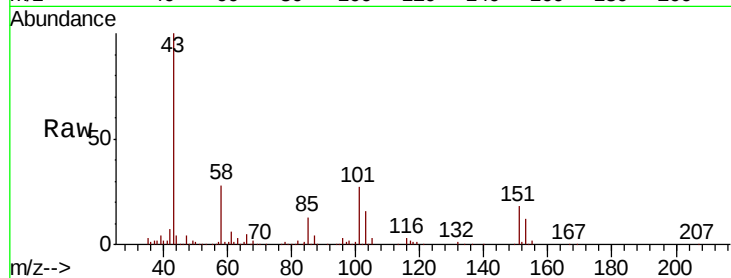
ClientSampled :

Tot Ion: 43 Resp: 183533

Ion Ratio Lower Upper

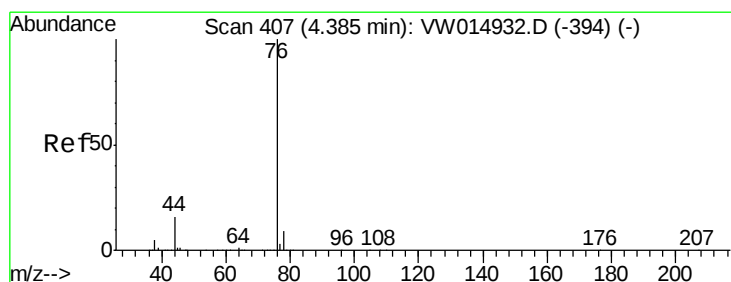
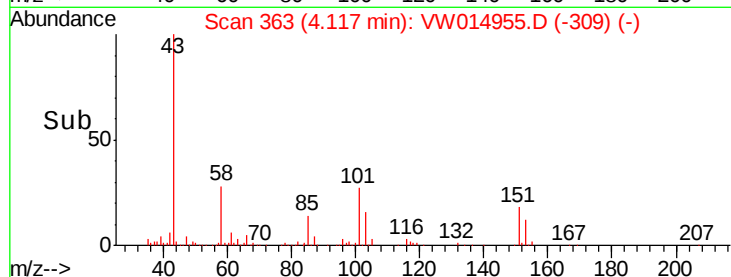
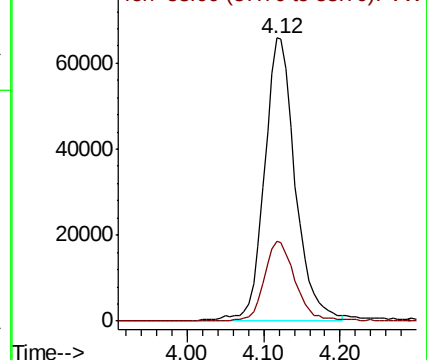
43 100

58 27.7 0.0 60.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 28.285 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW014955.D

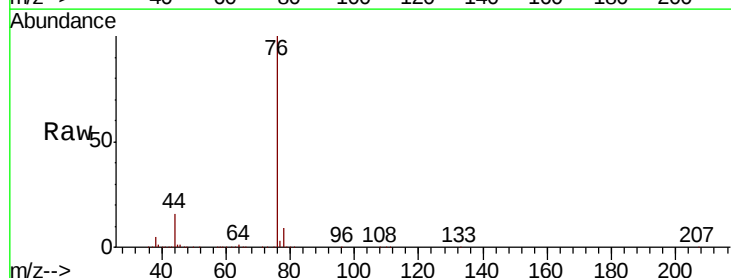
Acq: 11 Feb 2020 09:44

Tgt Ion: 76 Resp: 883539

Ion Ratio Lower Upper

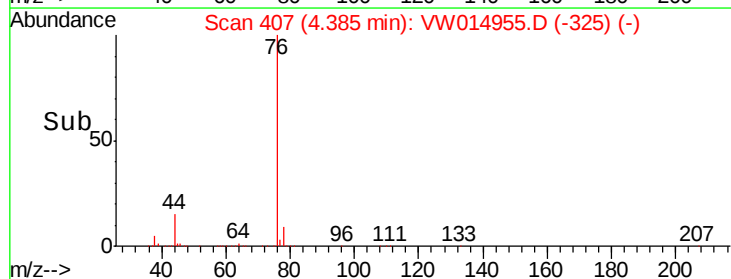
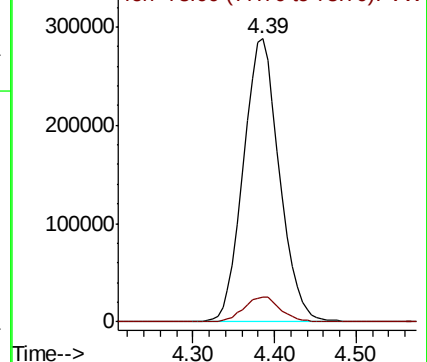
76 100

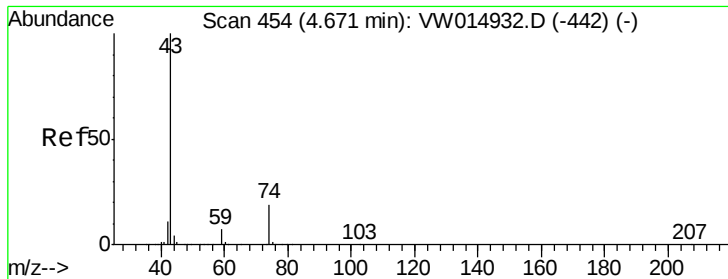
78 9.0 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

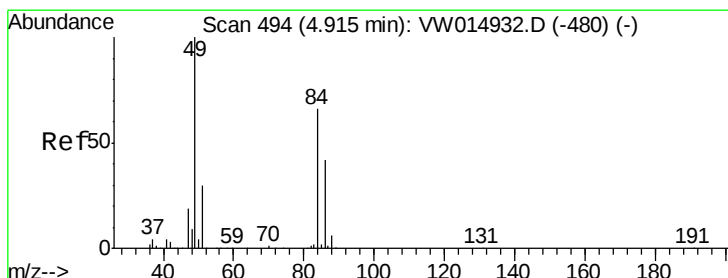
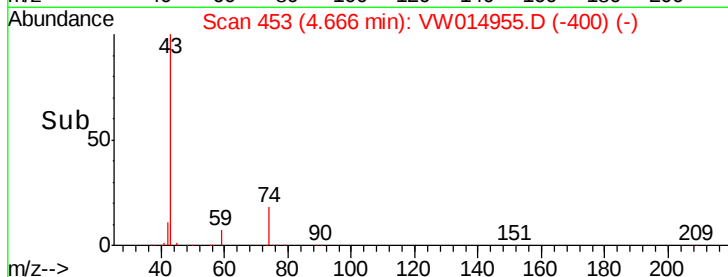
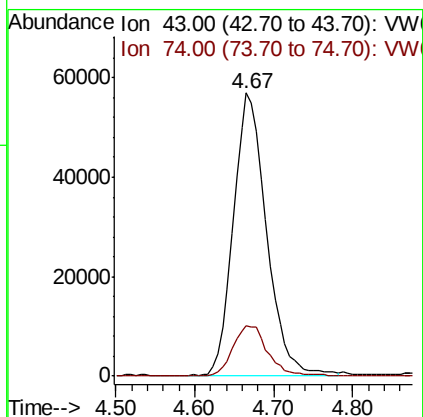
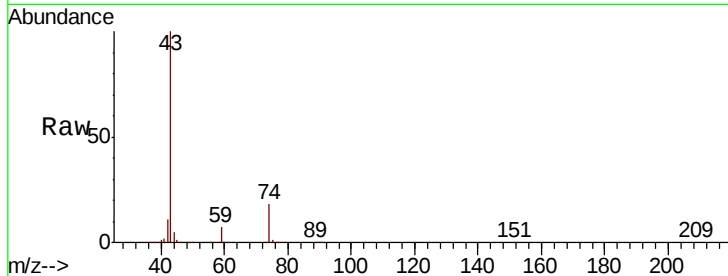




#15
Methyl Acetate
Concen: 28.635 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW014955.D
Acq: 11 Feb 2020 09:44

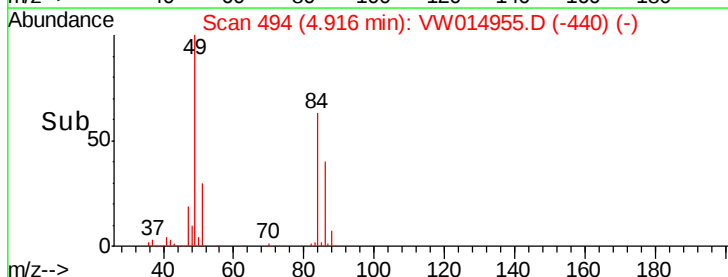
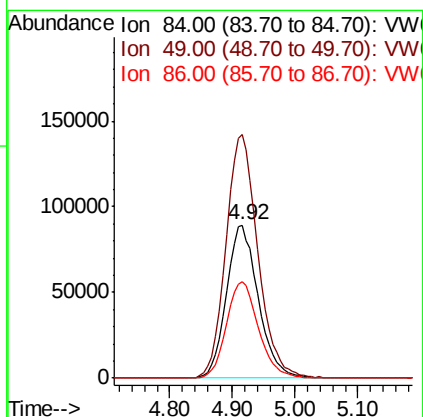
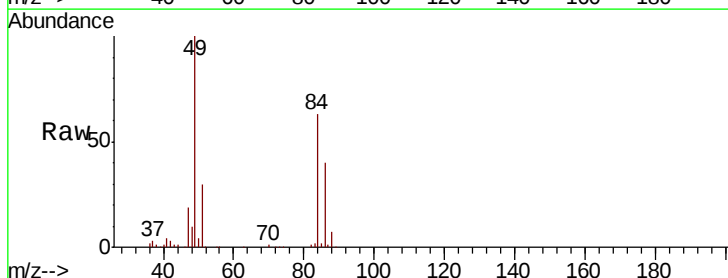
Instrument :
MSVOA_W
ClientSampled :

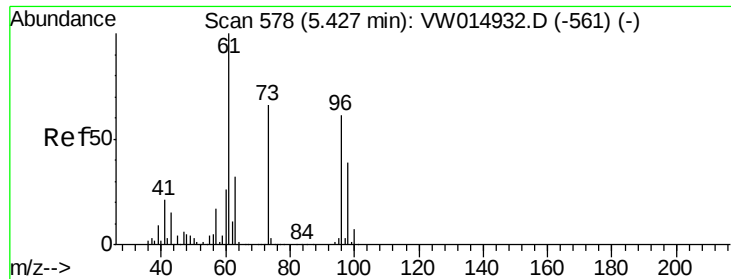
Tot Ion: 43 Resp: 165732
Ion Ratio Lower Upper
43 100
74 18.4 16.5 24.7



#16
Methylene chloride
Concen: 23.500 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW014955.D
Acq: 11 Feb 2020 09:44

Tgt Ion: 84 Resp: 313991
Ion Ratio Lower Upper
84 100
49 158.9 95.8 177.8
86 62.8 44.2 82.2

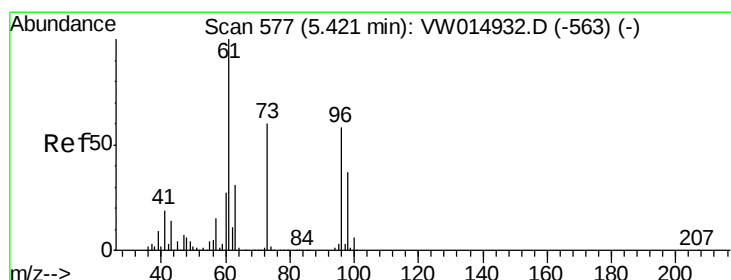
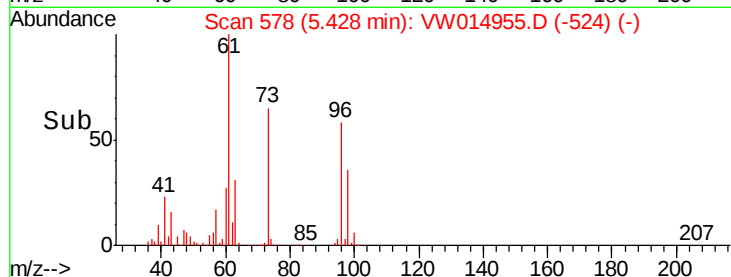
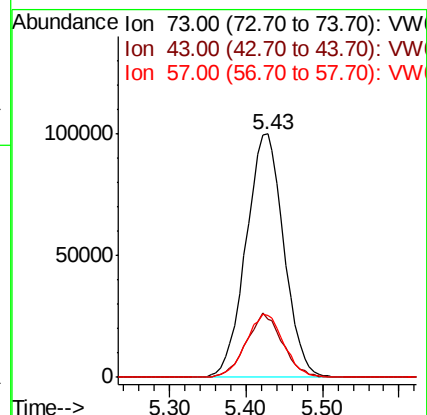
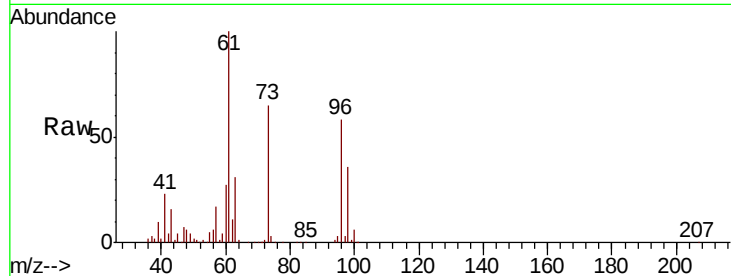




#17
Methvl tert-butvl Ether
Concen: 25.229 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW014955.D
Acq: 11 Feb 2020 09:44

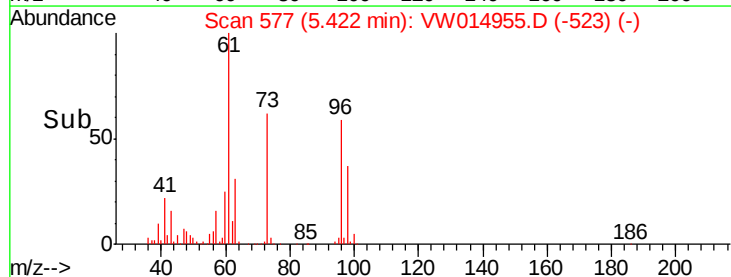
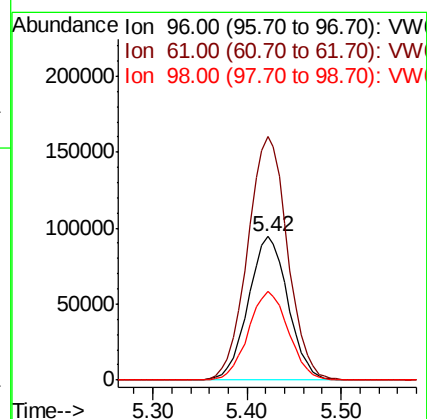
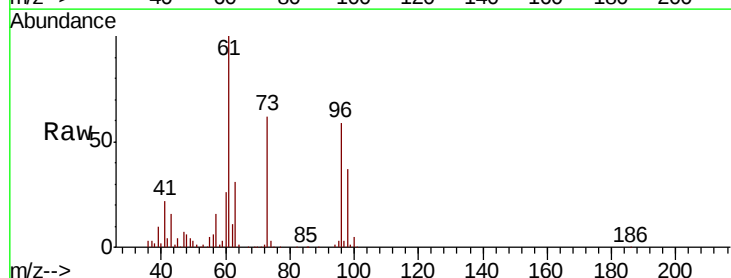
Instrument :
MSVOA_W
ClientSampled :

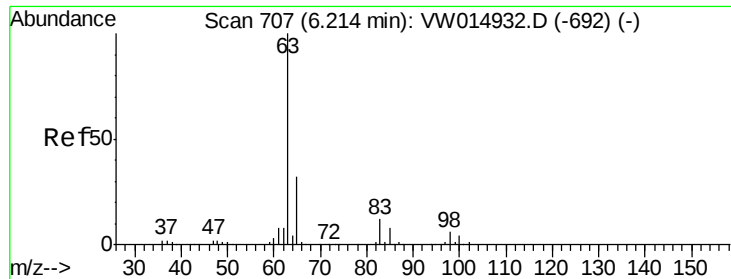
Tot Ion: 73 Resp: 342896
Ion Ratio Lower Upper
73 100
43 24.8 17.5 26.3
57 26.0 19.4 29.0



#18
trans-1,2-Dichloroethene
Concen: 26.349 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW014955.D
Acq: 11 Feb 2020 09:44

Tgt Ion: 96 Resp: 277744
Ion Ratio Lower Upper
96 100
61 169.5 104.4 194.0
98 62.0 43.8 81.3

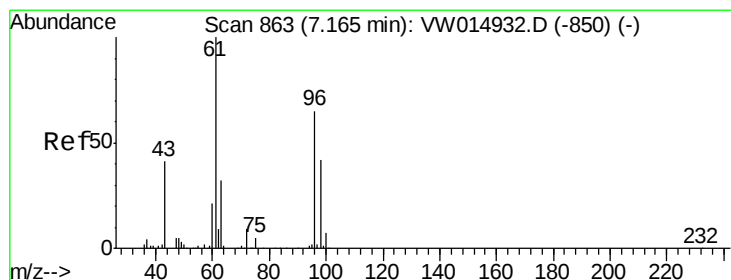
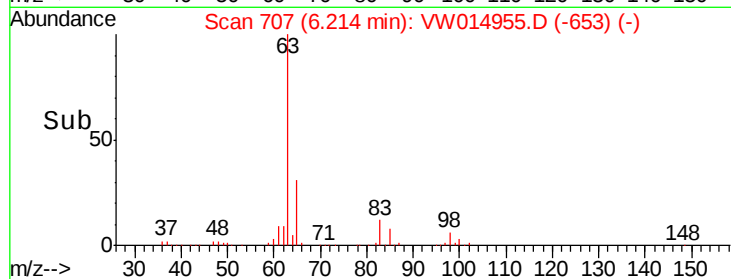
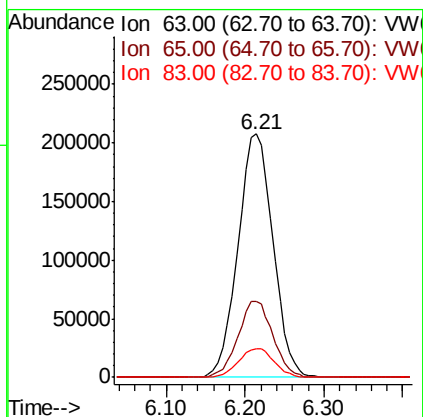
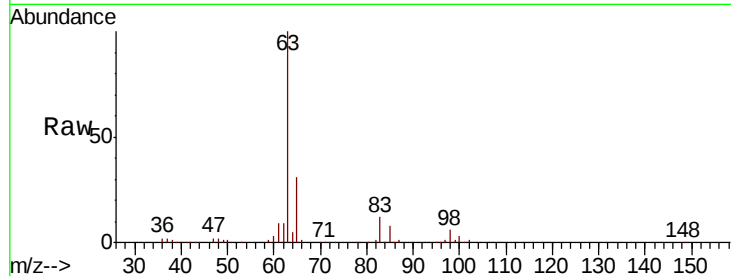




#19
 1,1-Dichloroethane
 Concen: 29.990 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VW014955.D
 Acq: 11 Feb 2020 09:44

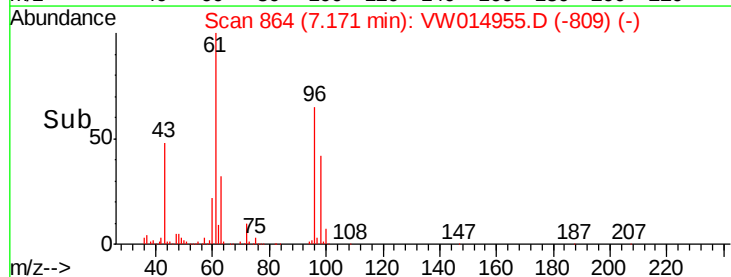
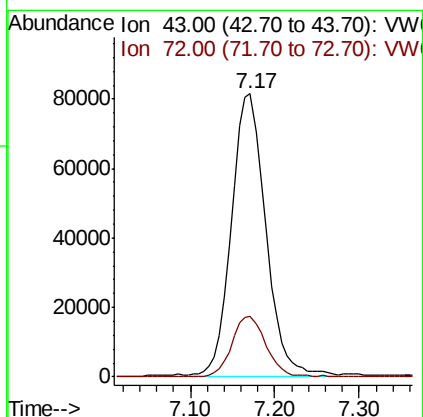
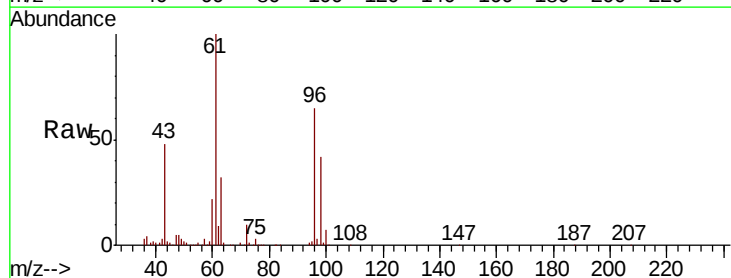
Instrument :
 MSVOA_W
 ClientSampled :

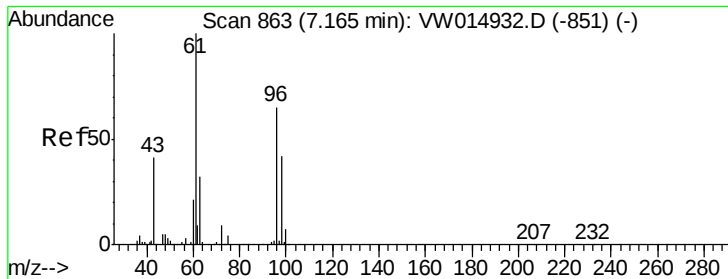
Tot Ion	Ratio	Lower	Upper
63	100		
65	31.3	21.5	39.9
83	11.9	8.8	16.3



#21
 2-Butanone
 Concen: 54.526 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW014955.D
 Acq: 11 Feb 2020 09:44

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.3	11.9	35.5



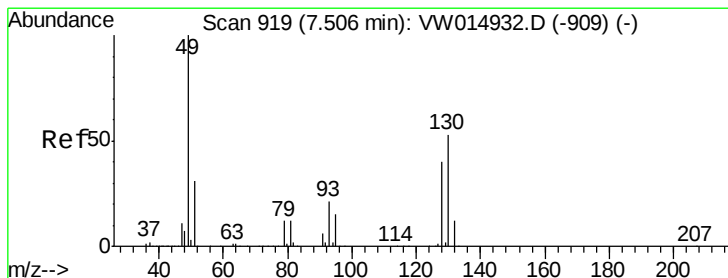
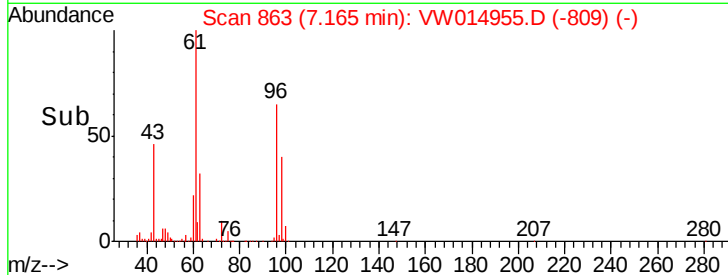
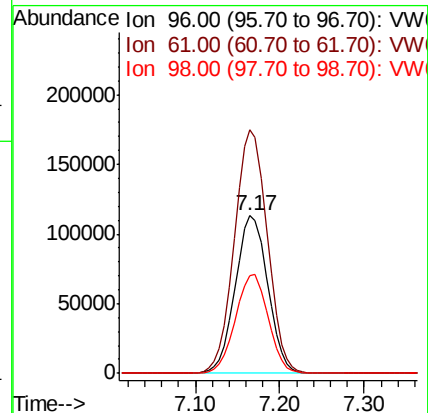
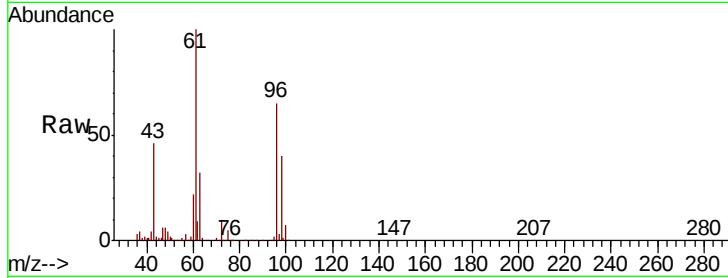


#22

cis-1,2-Dichloroethene
 Concen: 26.044 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW014955.D
 Acq: 11 Feb 2020 09:44

Instrument :
 MSVOA_W
 ClientSampleId :

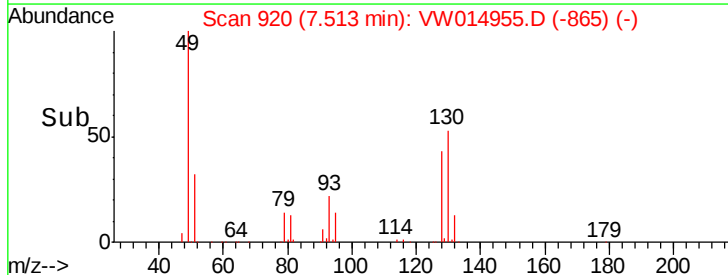
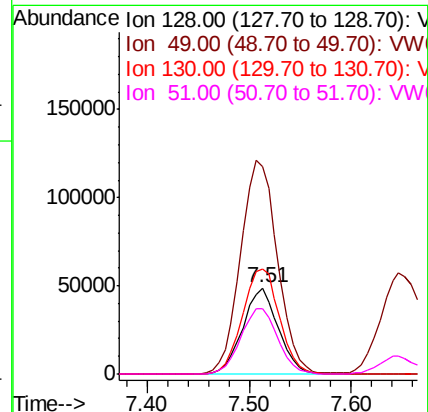
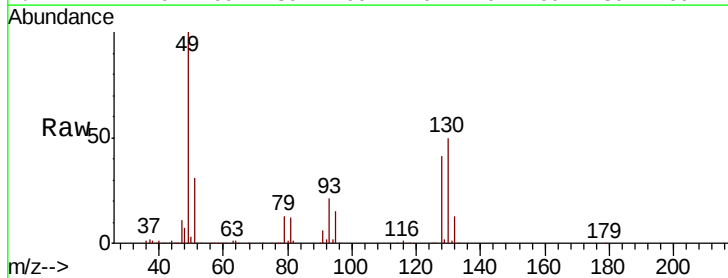
Tot Ion	Ratio	Lower	Upper
96	100		
61	154.7	98.6	183.0
98	61.9	44.2	82.2

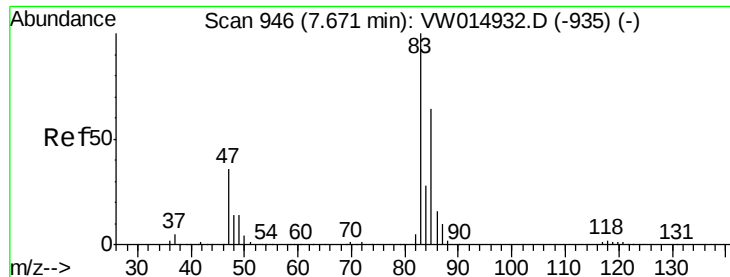


#23

Bromochloromethane
 Concen: 25.103 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VW014955.D
 Acq: 11 Feb 2020 09:44

Tgt Ion	Ratio	Lower	Upper
128	100		
49	242.3	146.0	271.2
130	122.3	90.9	168.9
51	76.1	51.8	77.8

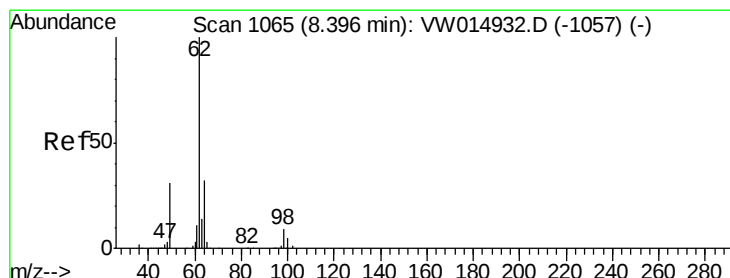
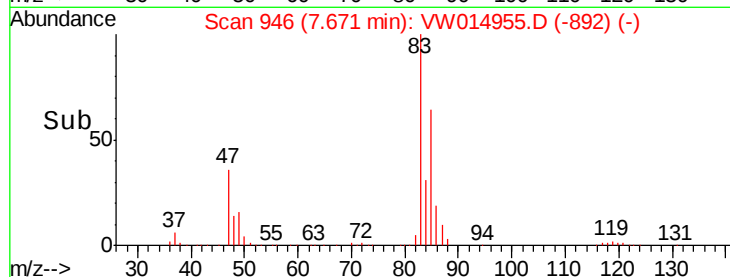
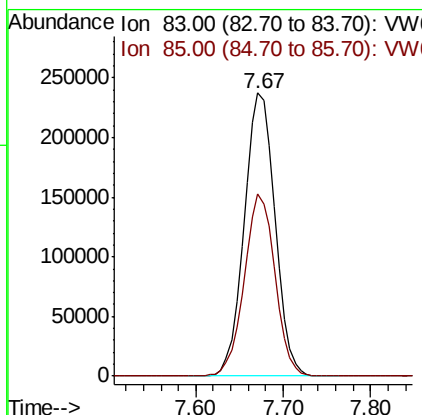
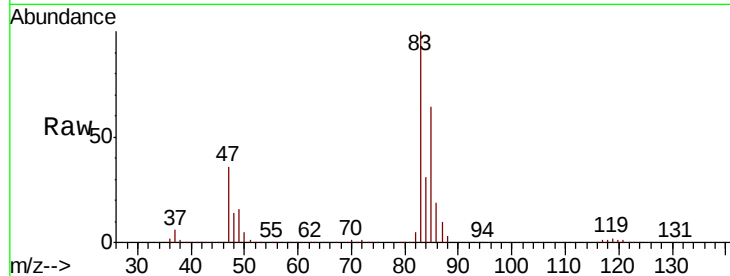




#25
Chloroform
Concen: 29.539 ug/L
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW014955.D
Acq: 11 Feb 2020 09:44

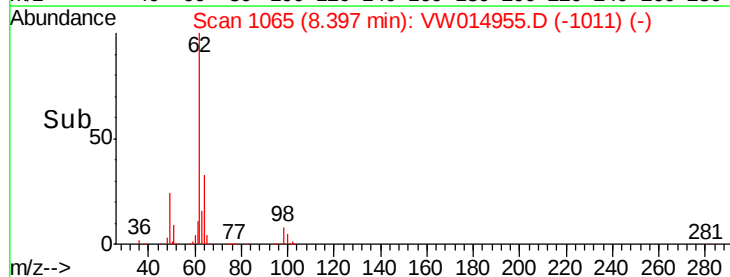
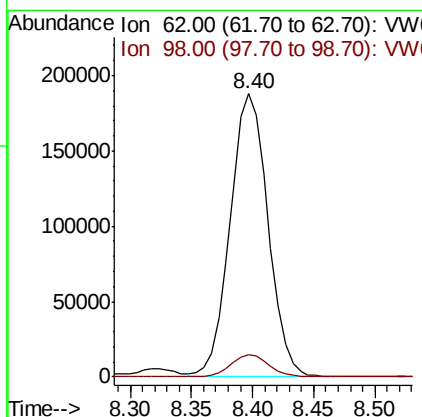
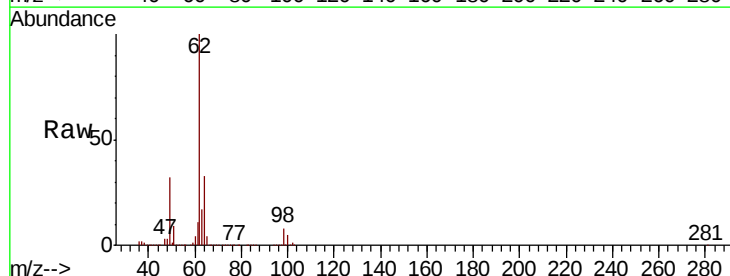
Instrument :
MSVOA_W
ClientSampleId :

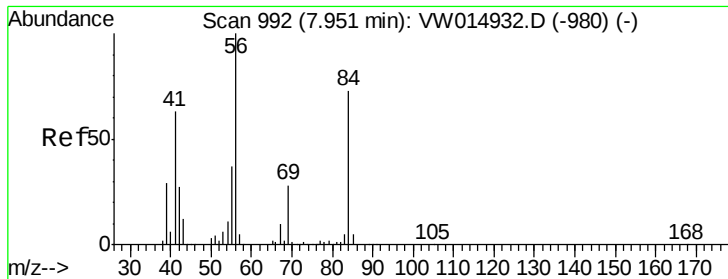
Tot Ion: 83 Resp: 579459
Ion Ratio Lower Upper
83 100
85 64.2 45.4 84.4



#27
1,2-Dichloroethane
Concen: 29.789 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW014955.D
Acq: 11 Feb 2020 09:44

Tgt Ion: 62 Resp: 402877
Ion Ratio Lower Upper
62 100
98 7.9 7.2 10.8

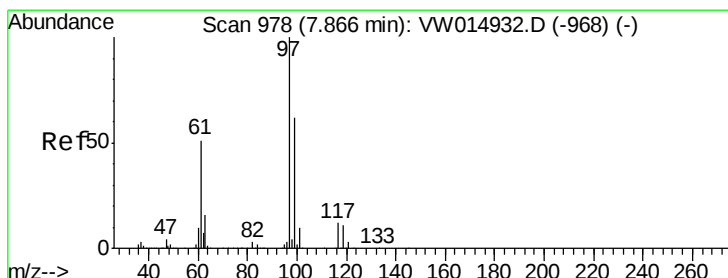
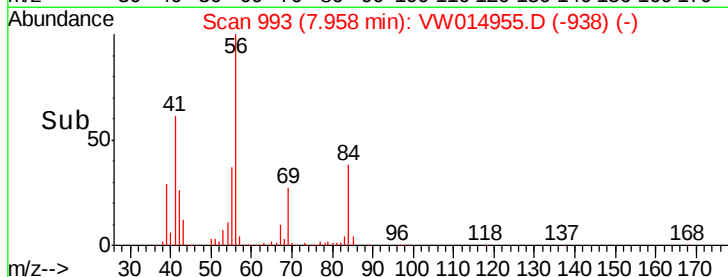
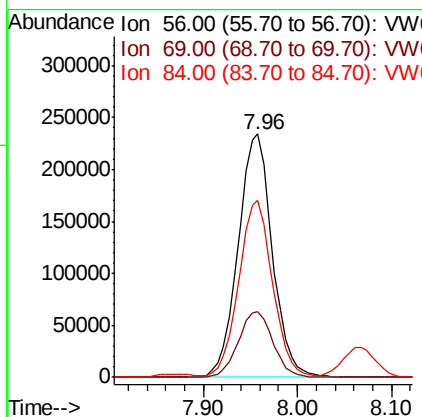
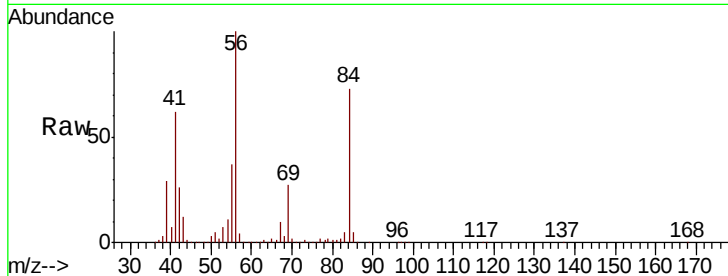




#30
Cyclohexane
Concen: 29.328 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.01 min
Lab File: VW014955.D
Acq: 11 Feb 2020 09:44

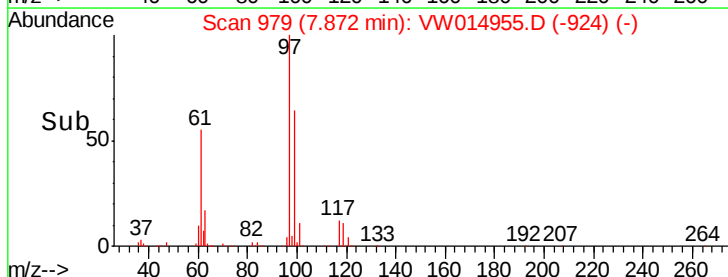
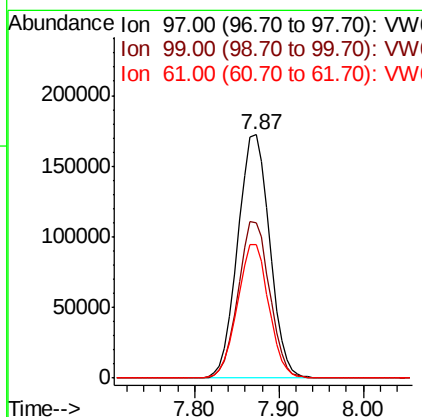
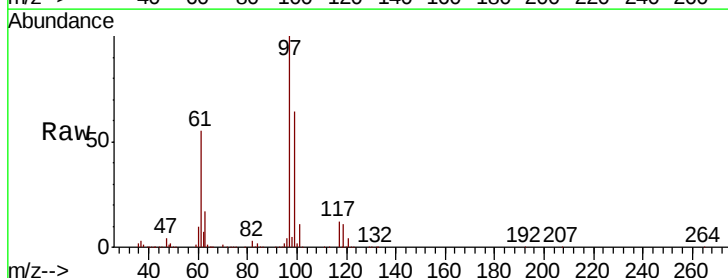
Instrument :
MSVOA_W
ClientSampleId :

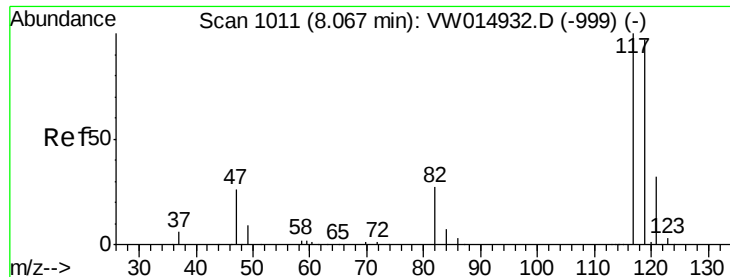
Tot Ion: 56 Resp: 594022
Ion Ratio Lower Upper
56 100
69 27.3 22.9 34.3
84 71.9 63.8 95.6



#31
1,1,1-Trichloroethane
Concen: 28.498 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW014955.D
Acq: 11 Feb 2020 09:44

Tgt Ion: 97 Resp: 441722
Ion Ratio Lower Upper
97 100
99 63.5 51.0 76.6
61 54.0 38.9 58.3





#32

Carbon tetrachloride

Concen: 28.625 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW014955.D

Acq: 11 Feb 2020 09:44

Instrument :

MSVOA_W

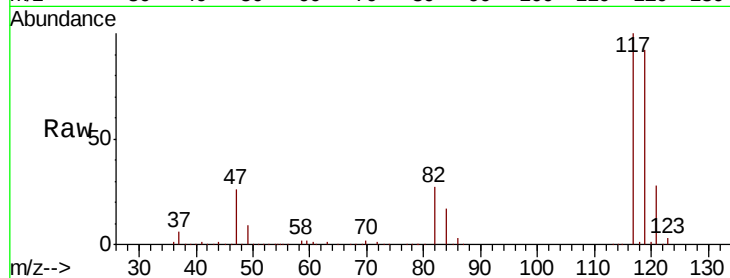
ClientSampleId :

Tot Ion:117 Resp: 398837

Ion Ratio Lower Upper

117 100

119 93.9 76.3 114.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

150000

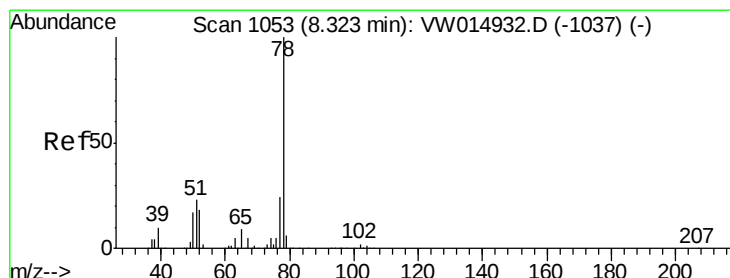
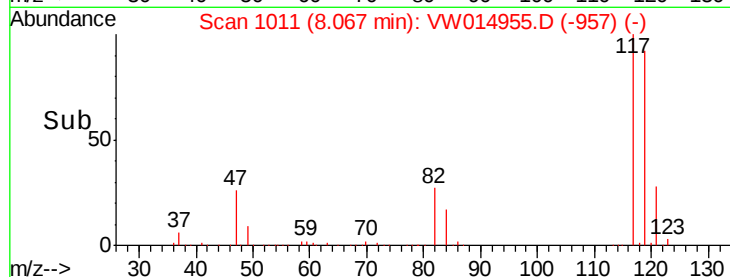
100000

50000

0

Time-->

8.00 8.10 8.20



#34

Benzene

Concen: 28.322 ug/L

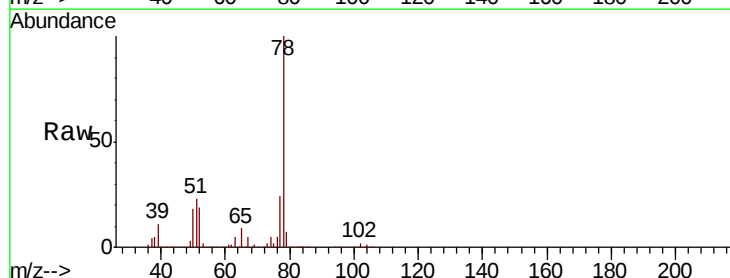
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW014955.D

Acq: 11 Feb 2020 09:44

Tgt Ion: 78 Resp: 1323876



Abundance Ion 78.00 (77.70 to 78.70): VW

600000

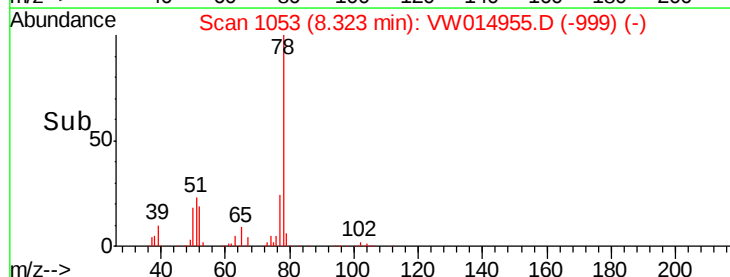
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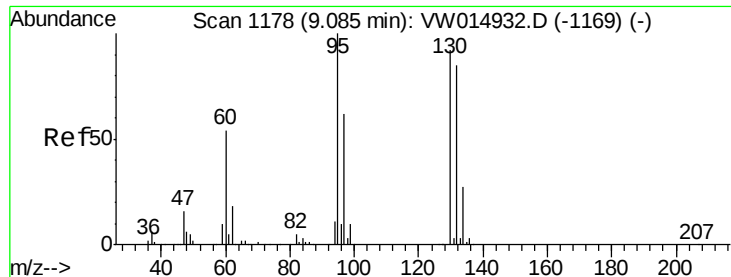
200000

0

Time-->

8.20 8.30 8.40

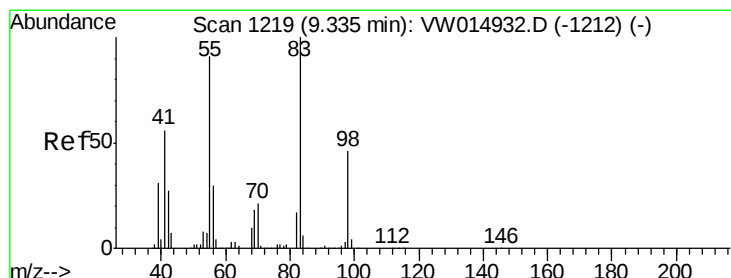
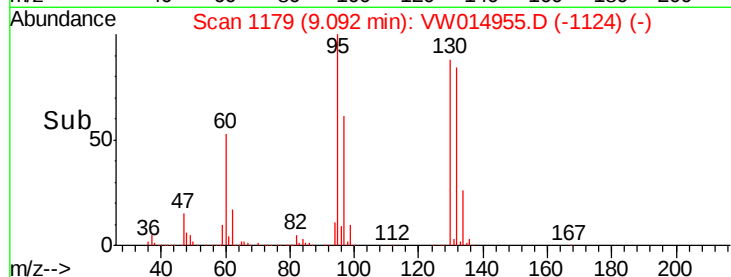
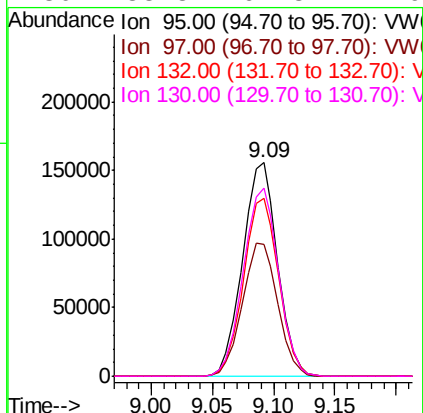
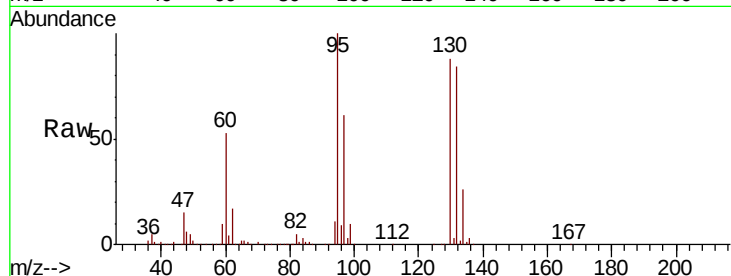




#35
 Trichloroethene
 Concen: 26.678 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.01 min
 Lab File: VW014955.D
 Acq: 11 Feb 2020 09:44

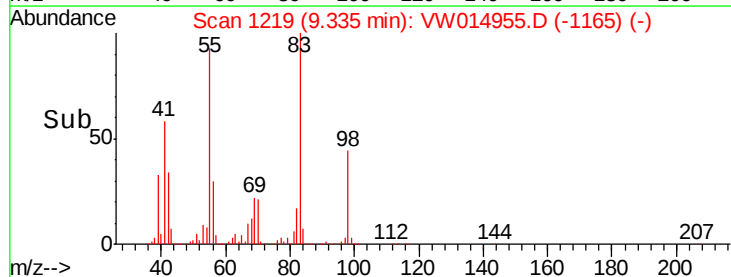
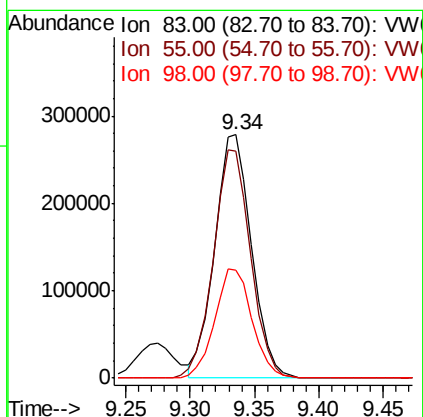
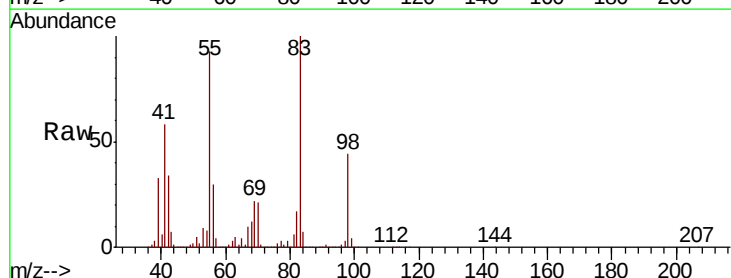
Instrument :
 MSVOA_W
 ClientSampleId :

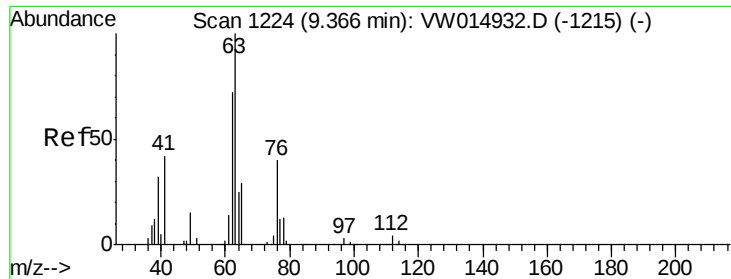
Tot Ion:	95	Resp:	309112
Ion	Ratio	Lower	Upper
95	100		
97	62.7	44.4	82.5
132	83.9	63.6	118.0
130	88.8	67.3	124.9



#36
 Methylcyclohexane
 Concen: 27.644 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW014955.D
 Acq: 11 Feb 2020 09:44

Tgt Ion:	83	Resp:	557951
Ion	Ratio	Lower	Upper
83	100		
55	94.4	68.0	102.0
98	45.5	37.8	56.6

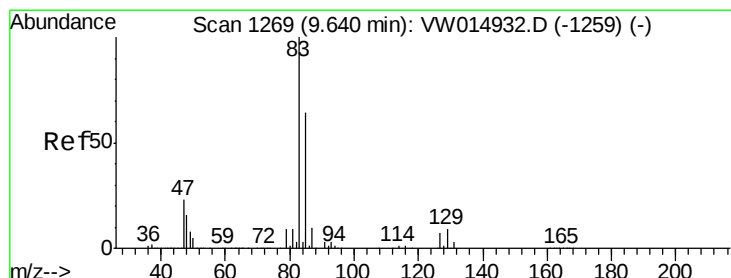
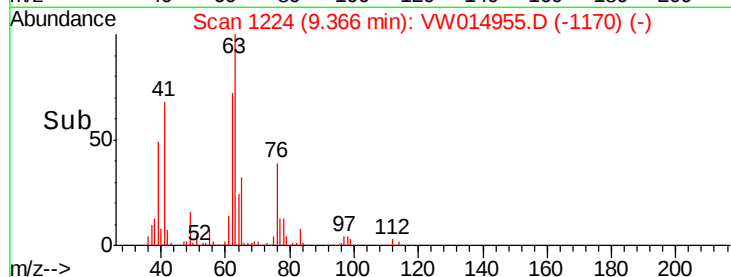
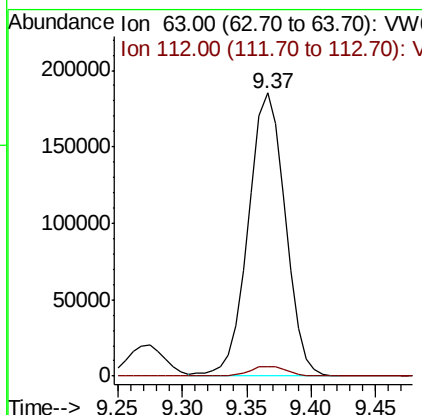
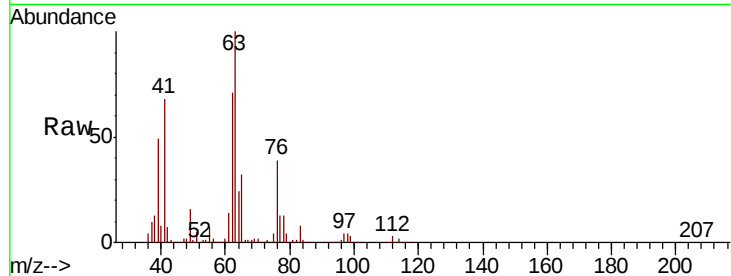




#40
 1,2-Dichloropropane
 Concen: 29.443 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW014955.D
 Acq: 11 Feb 2020 09:44

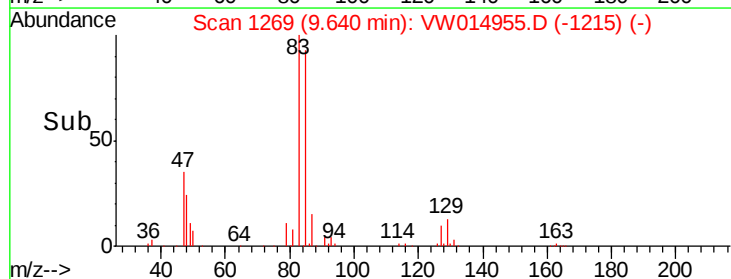
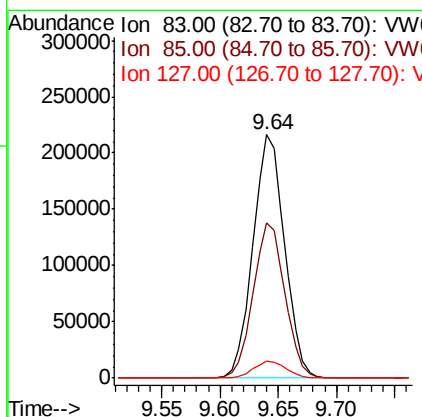
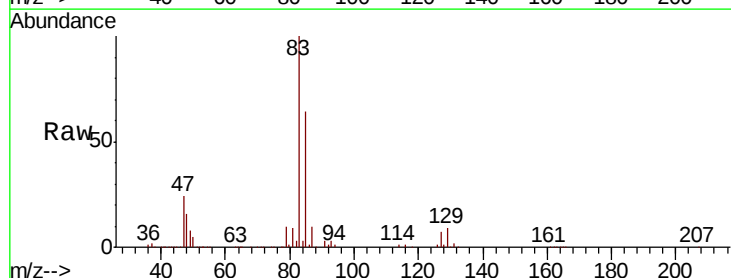
Instrument :
 MSVOA_W
 ClientSampleId :

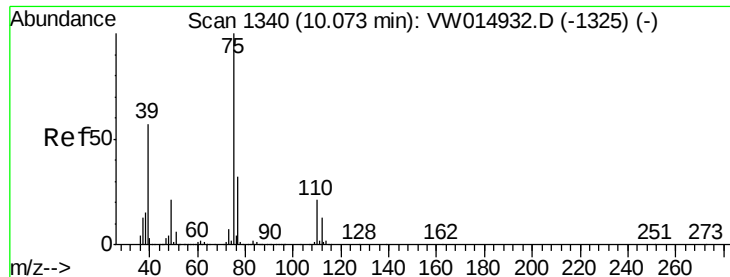
Tot Ion: 63 Resp: 368309
 Ion Ratio Lower Upper
 63 100
 112 3.4 3.1 4.7



#41
 Bromodichloromethane
 Concen: 28.470 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW014955.D
 Acq: 11 Feb 2020 09:44

Tgt Ion: 83 Resp: 408159
 Ion Ratio Lower Upper
 83 100
 85 63.8 44.2 82.0
 127 6.8 6.0 9.0





#42

cis-1,3-Dichloropropene

Concen: 27.445 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW014955.D

Acq: 11 Feb 2020 09:44

Instrument :

MSVOA_W

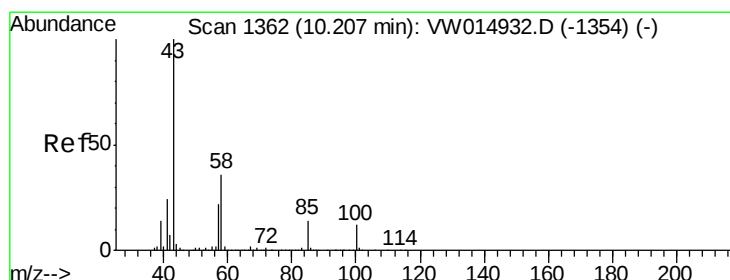
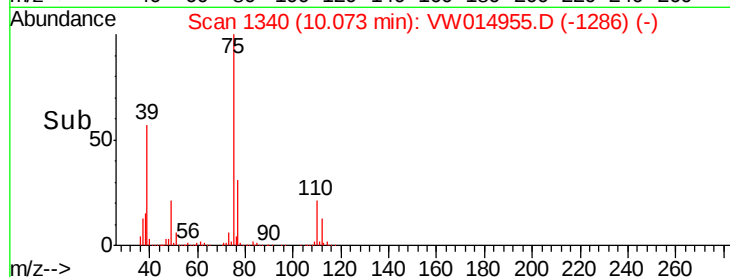
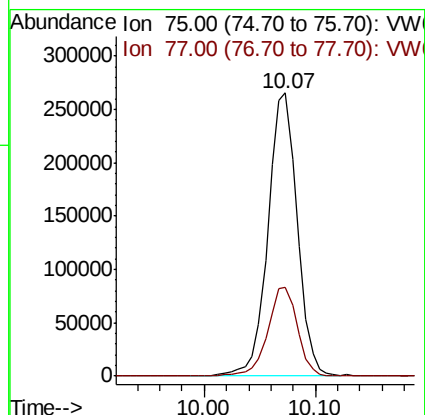
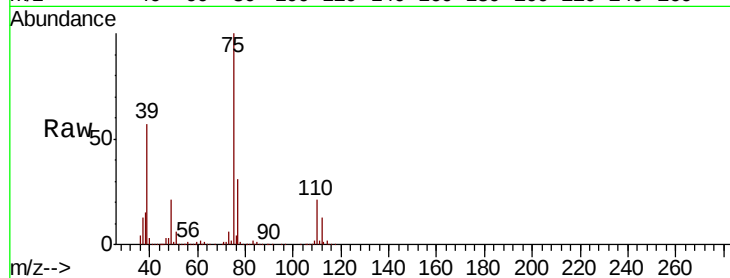
ClientSampled :

Tot Ion: 75 Resp: 487494

Ion Ratio Lower Upper

75 100

77 31.2 22.5 41.9



#43

4-Methyl-2-pentanone

Concen: 56.224 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW014955.D

Acq: 11 Feb 2020 09:44

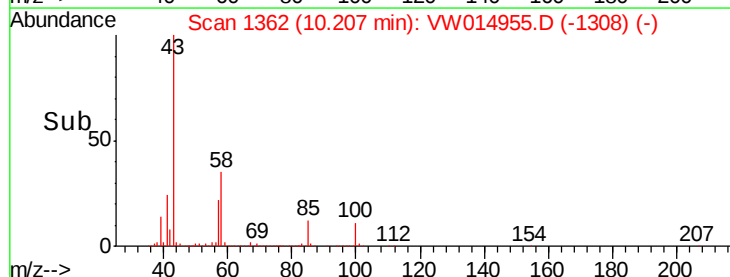
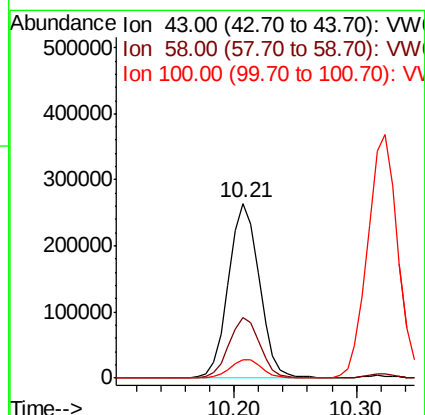
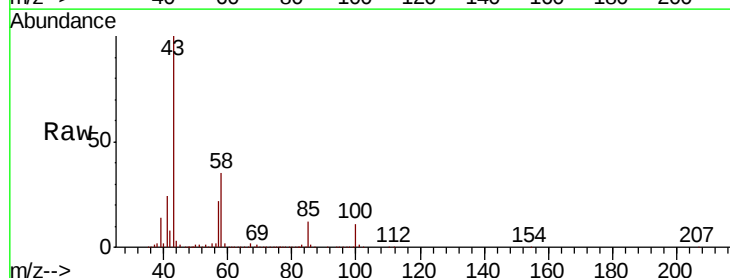
Tgt Ion: 43 Resp: 461177

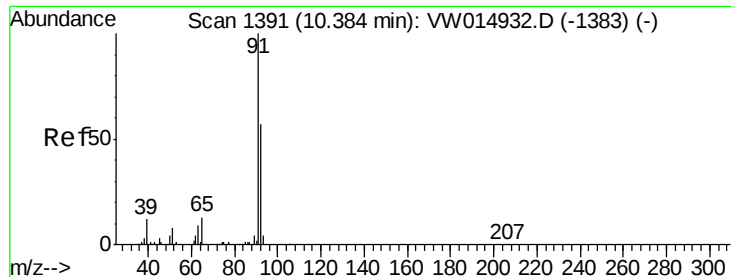
Ion Ratio Lower Upper

43 100

58 34.6 30.0 45.0

100 10.9 10.6 15.8





#44

Toluene

Concen: 28.045 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW014955.D

Acq: 11 Feb 2020 09:44

Instrument :

MSVOA_W

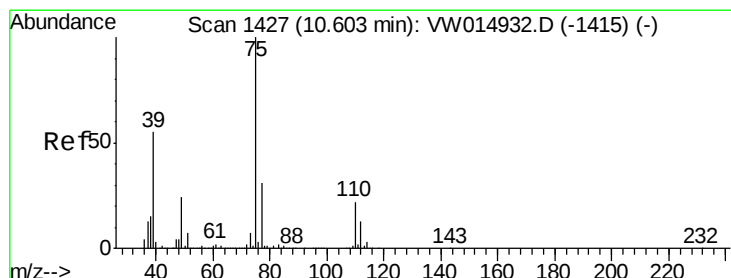
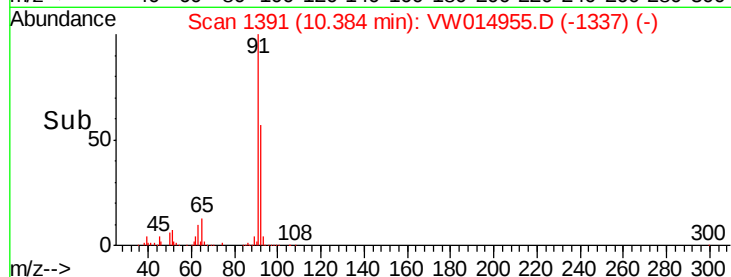
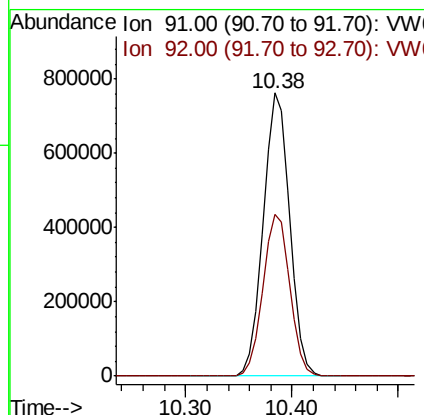
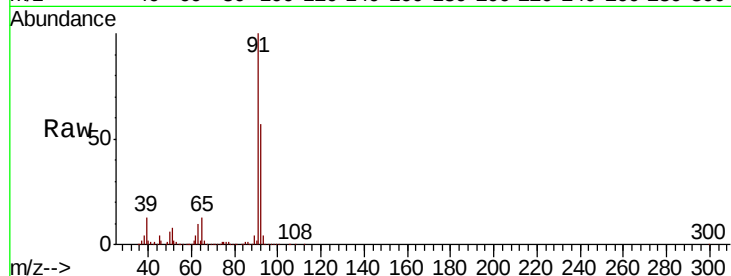
ClientSampleId :

Tot Ion: 91 Resp: 1330881

Ion Ratio Lower Upper

91 100

92 57.2 41.4 77.0



#45

trans-1,3-Dichloropropene

Concen: 27.867 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW014955.D

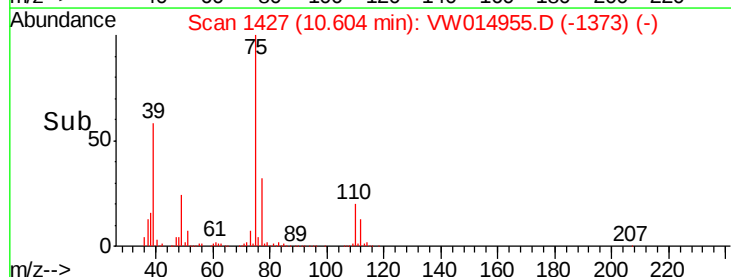
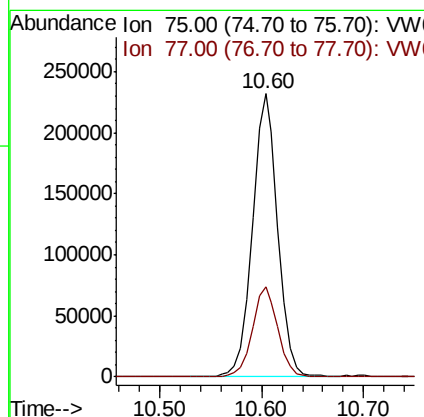
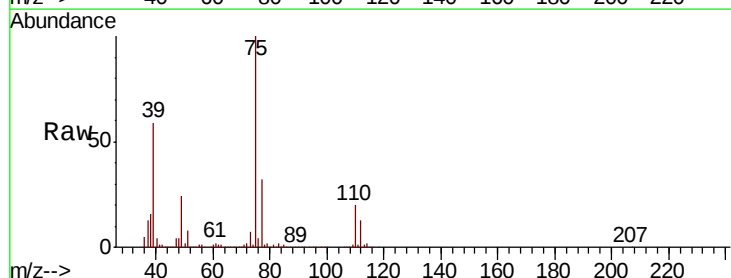
Acq: 11 Feb 2020 09:44

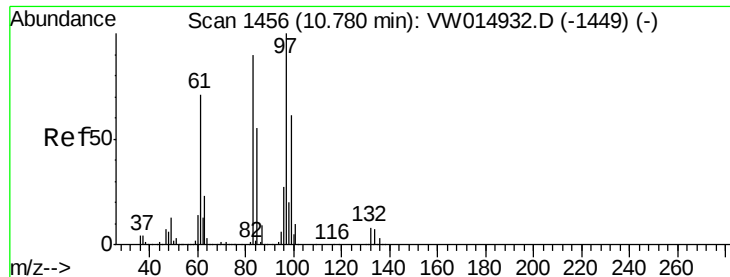
Tgt Ion: 75 Resp: 398619

Ion Ratio Lower Upper

75 100

77 31.7 21.8 40.6





#46

1,1,2-Trichloroethane

Concen: 25.847 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.01 min

Lab File: VW014955.D

Acq: 11 Feb 2020 09:44

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 212846

Ion	Ratio	Lower	Upper
97	100		
83	92.4	60.8	112.8
85	57.3	39.9	74.1
99	62.6	42.8	79.6

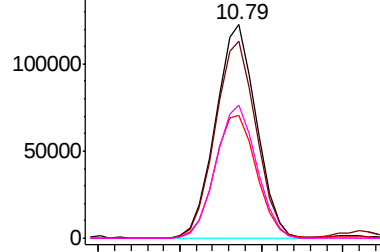
Abundance

Ion 97.00 (96.70 to 97.70): VW

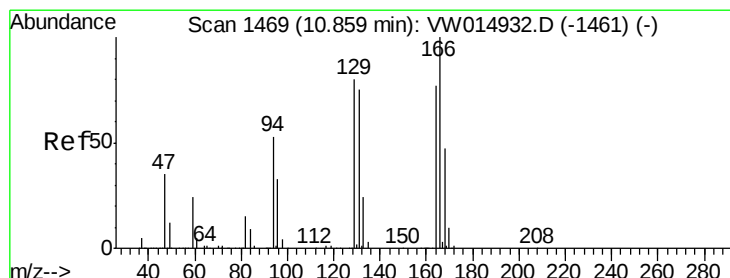
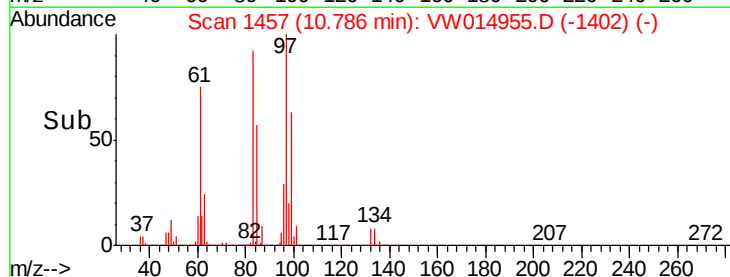
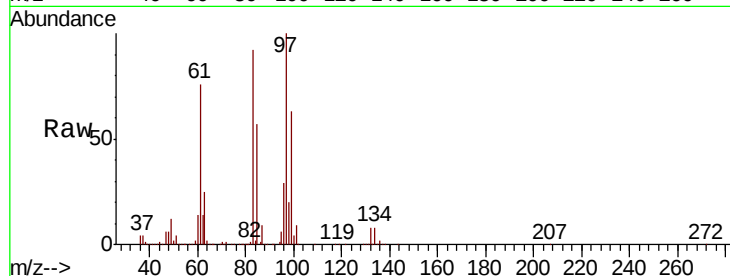
Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



Time-->



#47

Tetrachloroethene

Concen: 23.853 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW014955.D

Acq: 11 Feb 2020 09:44

Tgt Ion: 164 Resp: 203081

Ion	Ratio	Lower	Upper
164	100		
129	97.8	67.5	125.4
131	96.5	64.0	119.0
166	125.9	87.0	161.6

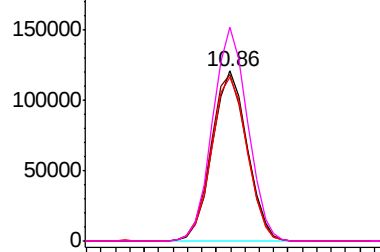
Abundance

Ion 164.00 (163.70 to 164.70): V

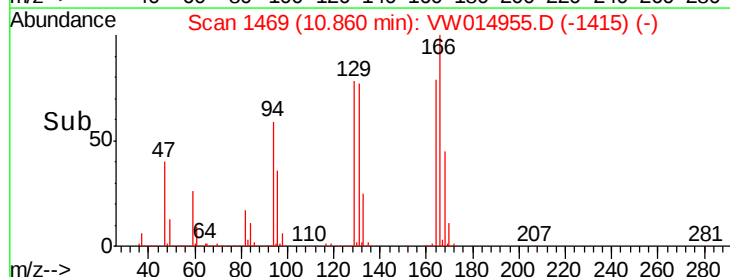
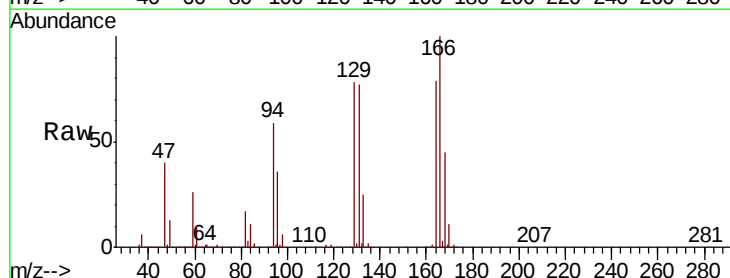
Ion 129.00 (128.70 to 129.70): V

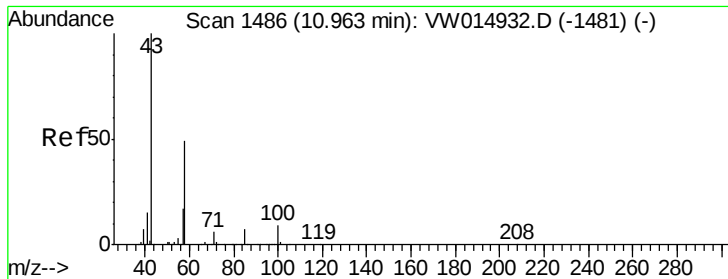
Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



Time-->

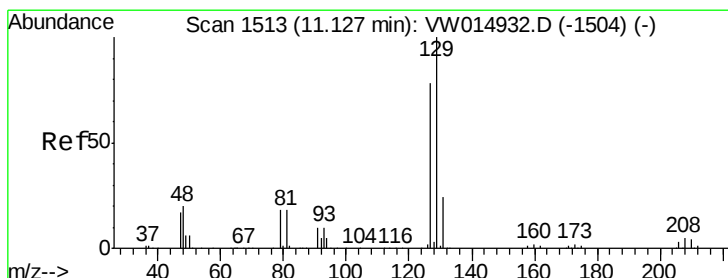
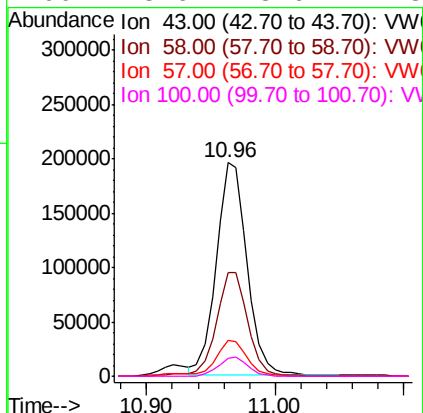
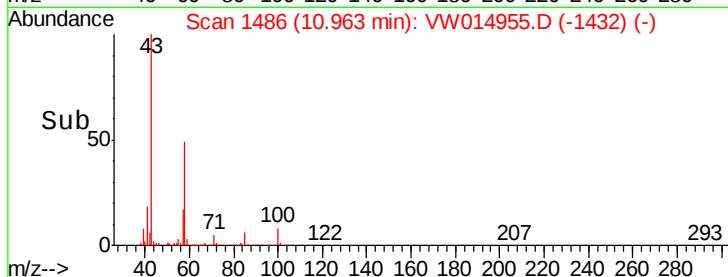
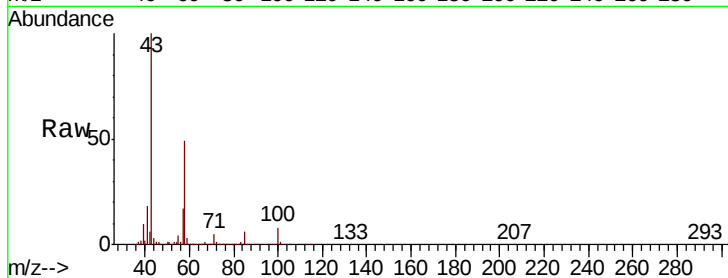




#49
2-Hexanone
Concen: 56.918 ug/L
RT: 10.96 min Scan# 1486
Delta R.T. 0.00 min
Lab File: VW014955.D
Acq: 11 Feb 2020 09:44

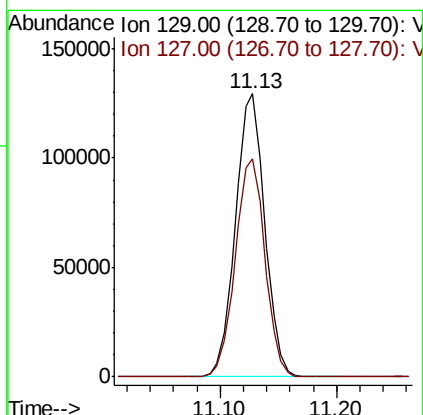
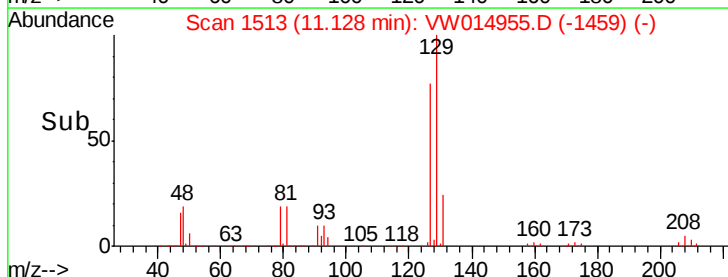
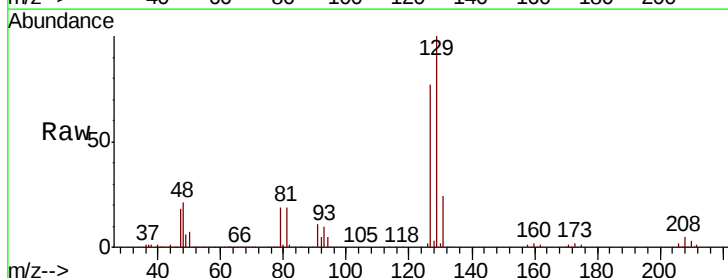
Instrument :
MSVOA_W
ClientSampleId :

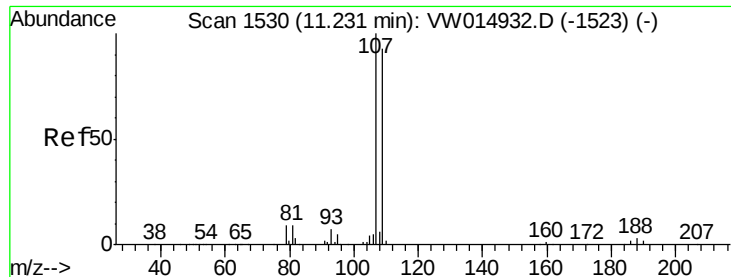
Tot Ion:	43	Resp:	327940
Ion	Ratio	Lower	Upper
43	100		
58	48.6	42.2	63.2
57	16.5	14.5	21.7
100	8.6	8.6	12.8



#50
Dibromochloromethane
Concen: 25.648 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW014955.D
Acq: 11 Feb 2020 09:44

Tgt Ion:	129	Resp:	226991
Ion	Ratio	Lower	Upper
129	100		
127	76.9	54.1	100.5

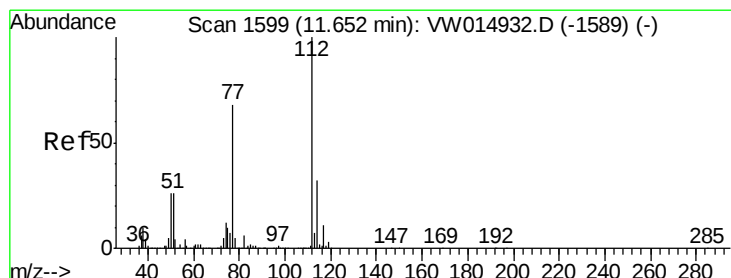
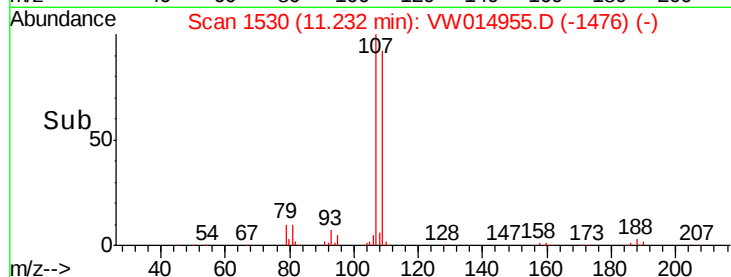
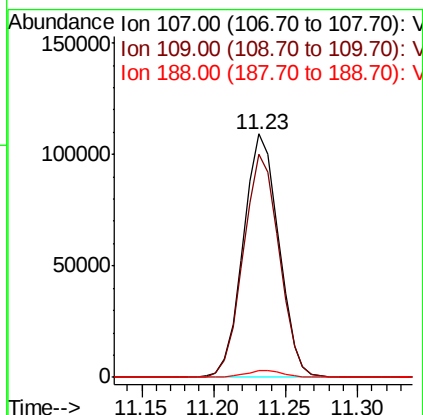
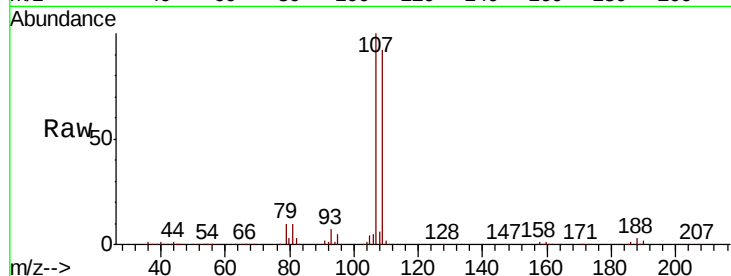




#51
1,2-Dibromoethane
Concen: 24.412 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. 0.00 min
Lab File: VW014955.D
Acq: 11 Feb 2020 09:44

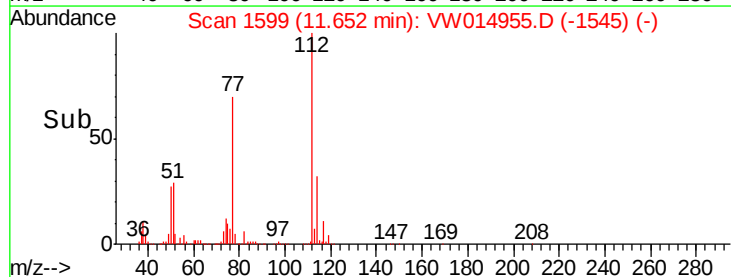
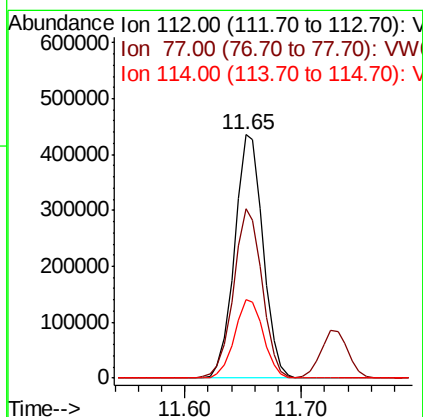
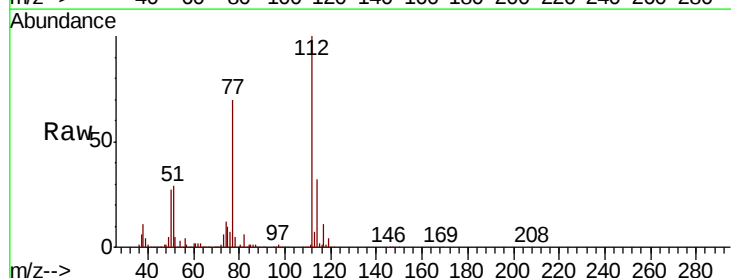
Instrument :
MSVOA_W
ClientSampleId :

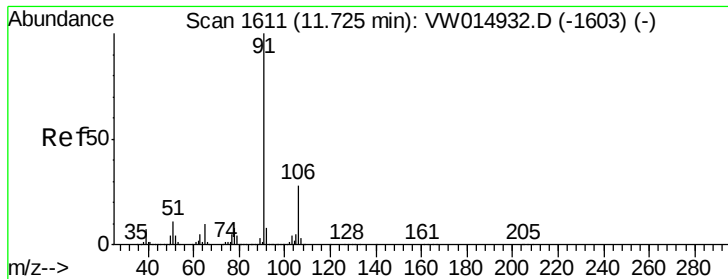
Tot Ion	Ratio	Lower	Upper
107	100		
109	91.6	65.0	120.6
188	2.9	2.4	3.6



#52
Chlorobenzene
Concen: 25.575 ug/L
RT: 11.65 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VW014955.D
Acq: 11 Feb 2020 09:44

Tgt Ion	Ratio	Lower	Upper
112	100		
77	69.7	49.9	74.9
114	32.0	22.7	42.1

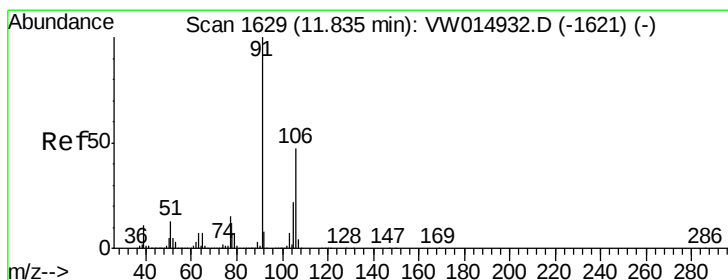
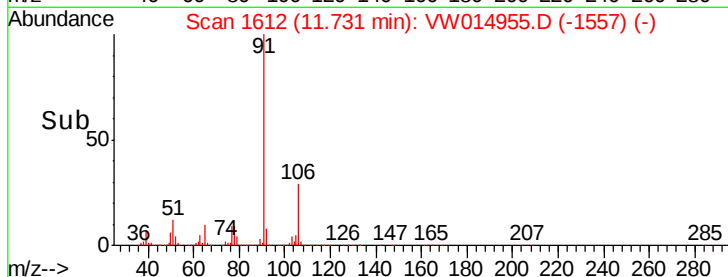
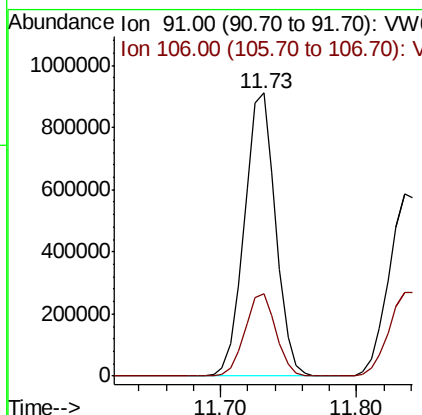
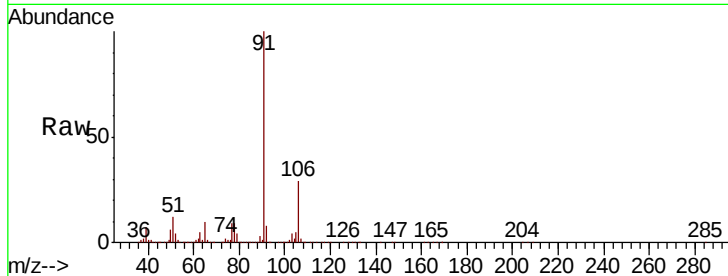




#53
Ethylbenzene
Concen: 28.147 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.01 min
Lab File: VW014955.D
Acq: 11 Feb 2020 09:44

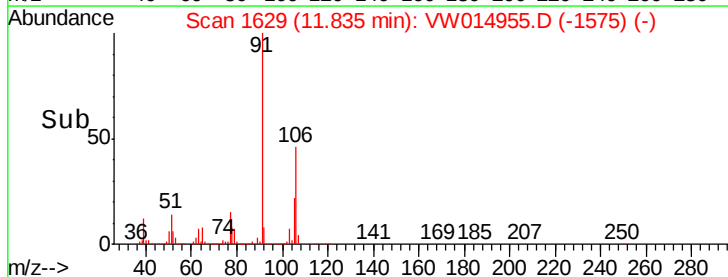
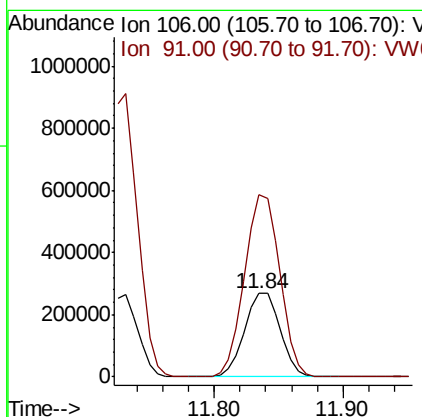
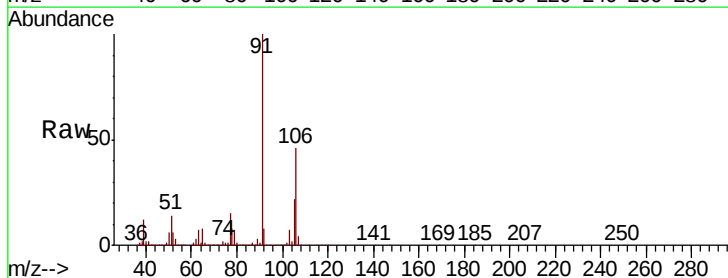
Instrument :
MSVOA_W
ClientSampled :

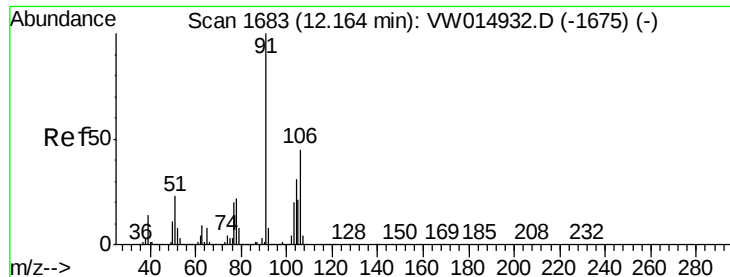
Tot Ion: 91 Resp: 1461245
Ion Ratio Lower Upper
91 100
106 29.3 21.5 39.9



#54
m,p-Xylene
Concen: 27.118 ug/L
RT: 11.84 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW014955.D
Acq: 11 Feb 2020 09:44

Tgt Ion: 106 Resp: 514231
Ion Ratio Lower Upper
106 100
91 217.8 143.4 266.4





#55

o-xylene

Concen: 26.640 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW014955.D

Acq: 11 Feb 2020 09:44

Instrument :

MSVOA_W

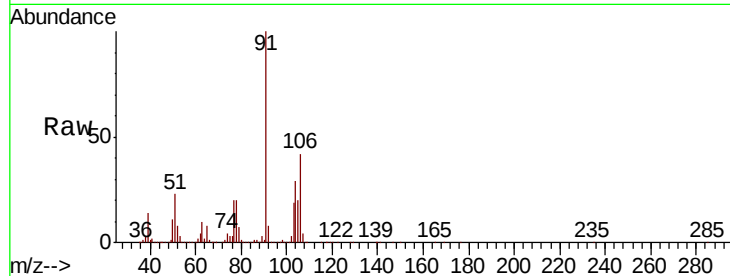
ClientSampleId :

Tot Ion:106 Resp: 480781

Ion Ratio Lower Upper

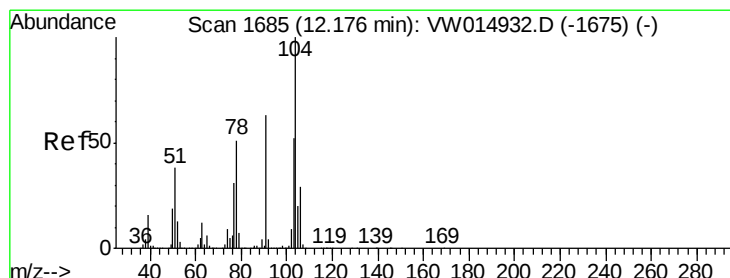
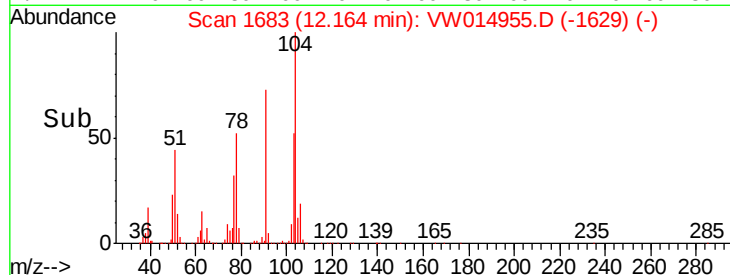
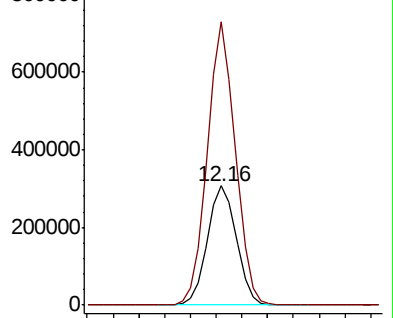
106 100

91 237.3 155.0 287.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 27.952 ug/L

RT: 12.18 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VW014955.D

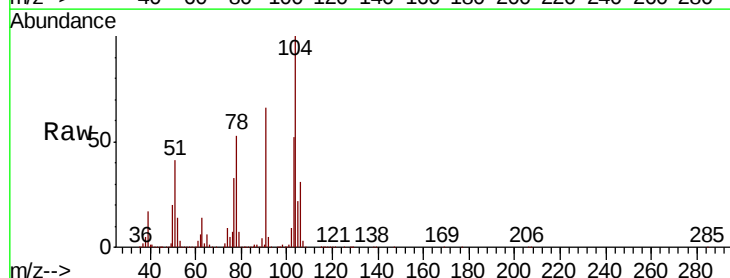
Acq: 11 Feb 2020 09:44

Tgt Ion:104 Resp: 852603

Ion Ratio Lower Upper

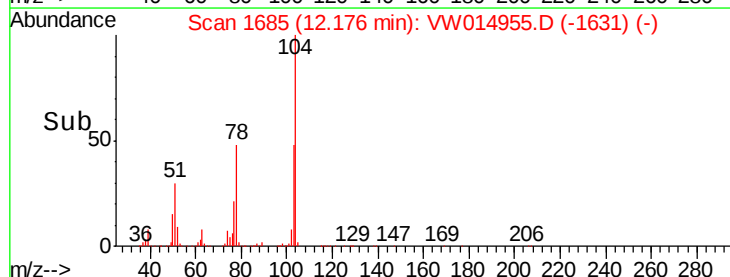
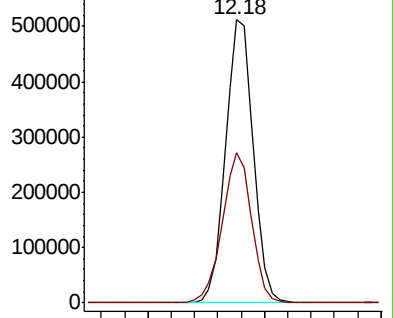
104 100

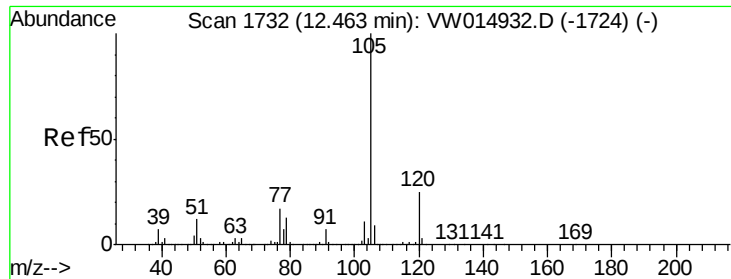
78 53.1 33.8 62.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 27.819 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW014955.D

Acq: 11 Feb 2020 09:44

Instrument :

MSVOA_W

ClientSampleId :

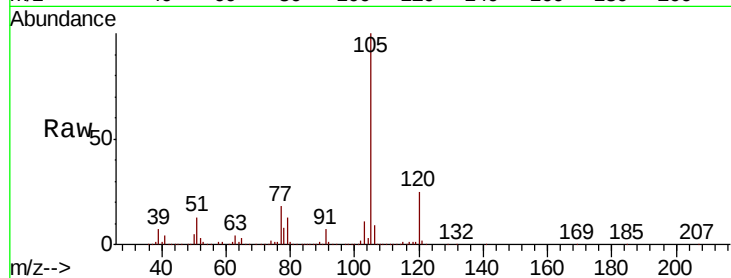
Tot Ion: 105 Resp: 1348345

Ion Ratio Lower Upper

105 100

120 25.0 20.4 30.6

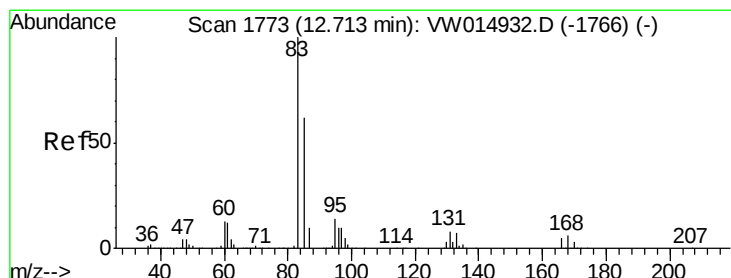
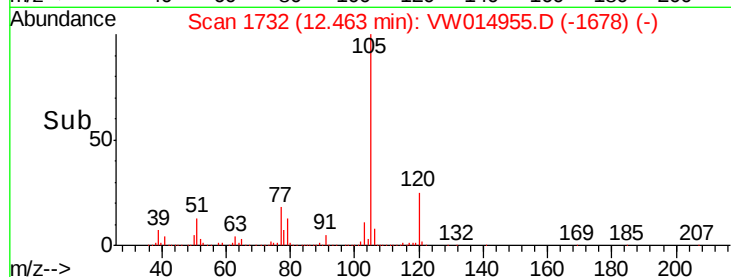
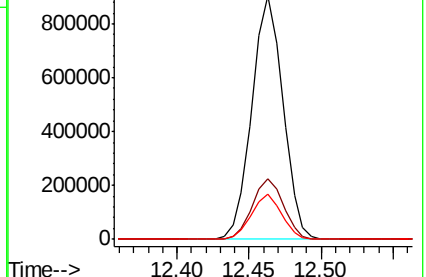
77 18.0 13.1 19.7



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: 26.831 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW014955.D

Acq: 11 Feb 2020 09:44

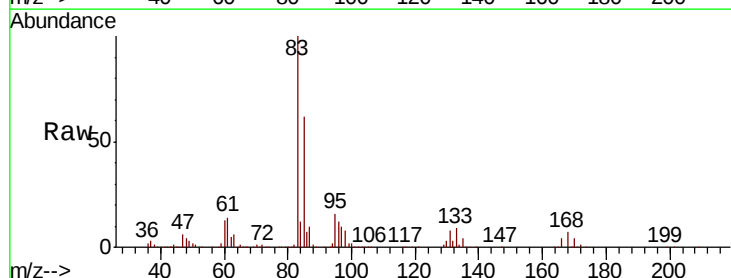
Tgt Ion: 83 Resp: 275783

Ion Ratio Lower Upper

83 100

85 61.5 45.9 85.3

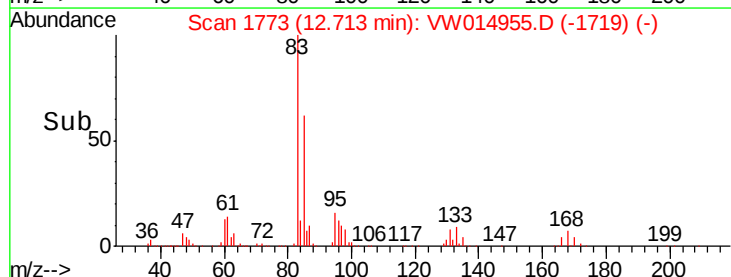
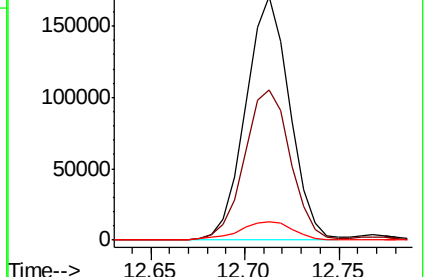
131 7.7 7.3 10.9

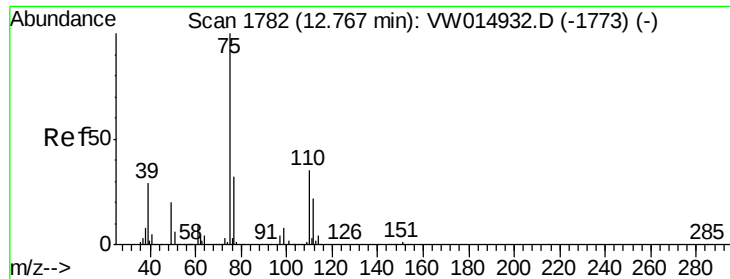


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

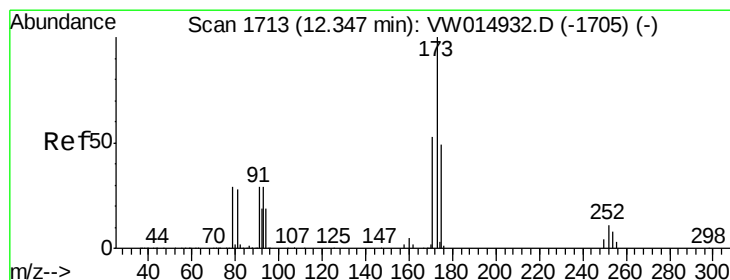
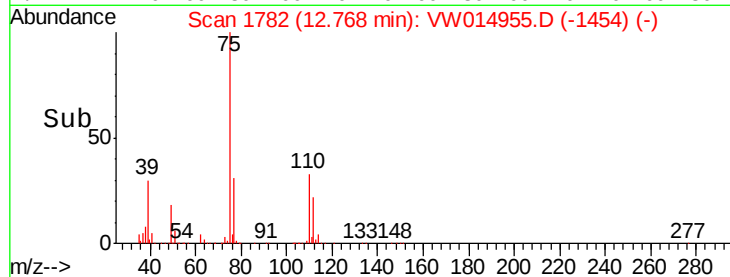
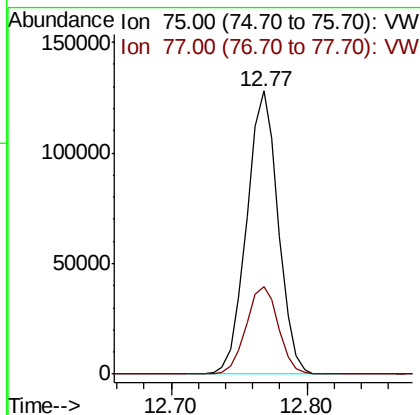
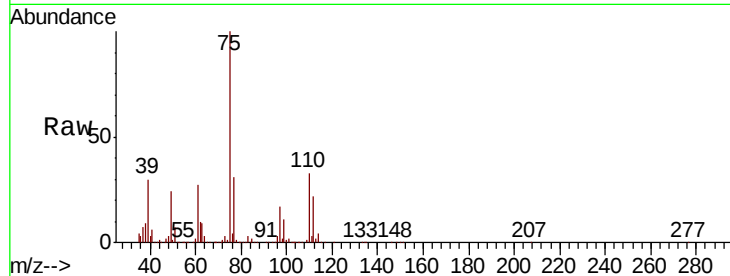




#59
 1,2,3-Trichloropropane
 Concen: 26.821 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW014955.D
 Acq: 11 Feb 2020 09:44

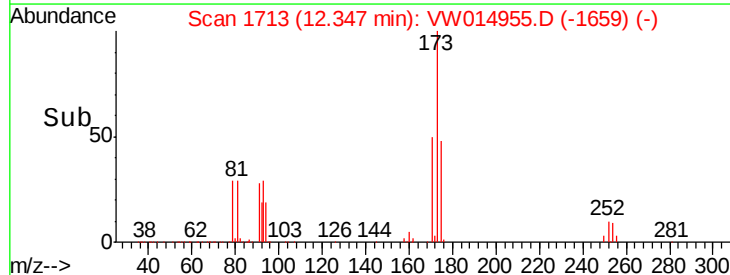
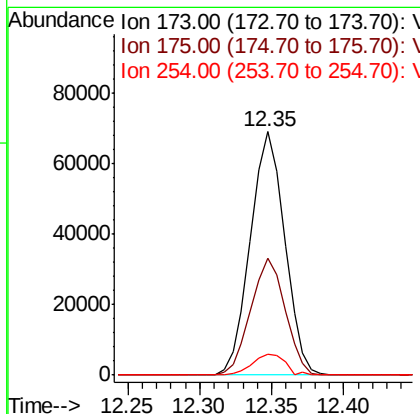
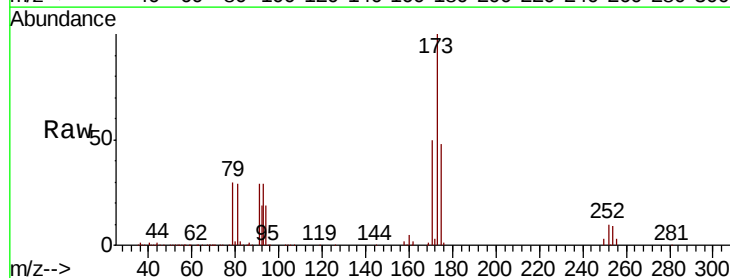
Instrument :
 MSVOA_W
 ClientSampled :

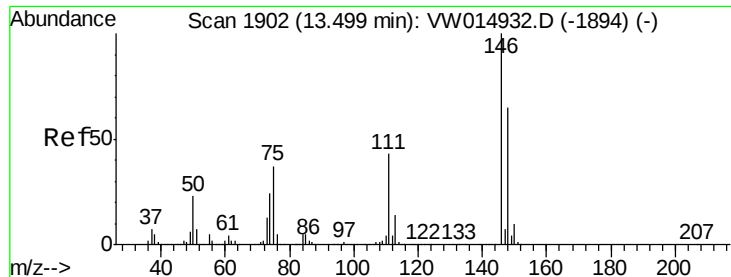
Tot Ion: 75 Resp: 207404
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.9 38.9



#62
 Bromoform
 Concen: 23.878 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. 0.00 min
 Lab File: VW014955.D
 Acq: 11 Feb 2020 09:44

Tgt Ion: 173 Resp: 114300
 Ion Ratio Lower Upper
 173 100
 175 48.2 38.9 58.3
 254 7.8 7.8 11.8#





#63

1,3-Dichlorobenzene

Concen: 24.893 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW014955.D

Acq: 11 Feb 2020 09:44

Instrument :

MSVOA_W

ClientSampleId :

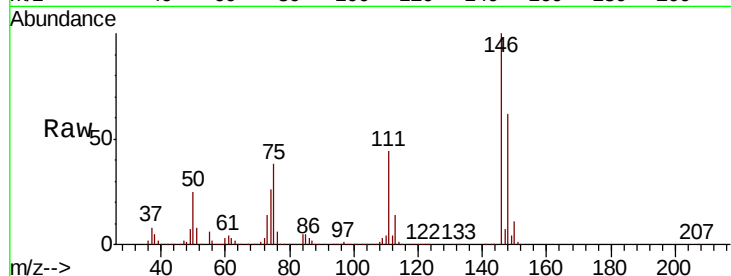
Tot Ion:146 Resp: 527999

Ion Ratio Lower Upper

146 100

111 43.9 28.6 53.0

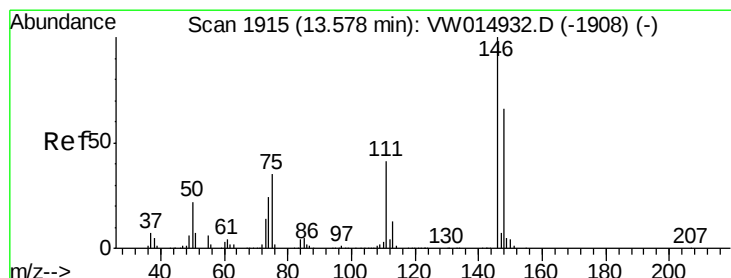
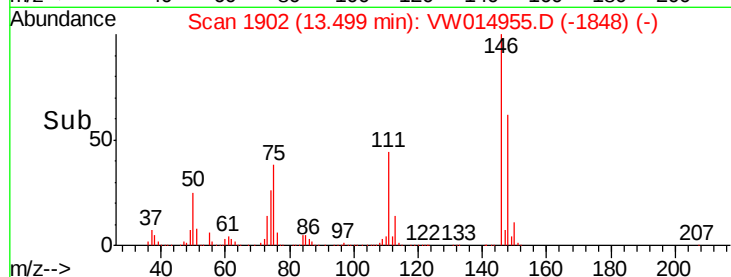
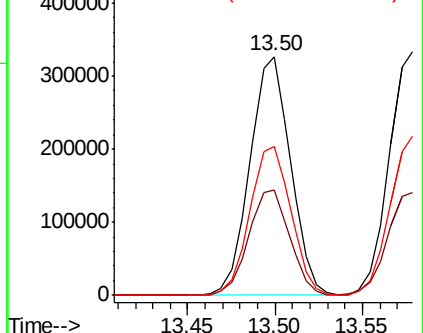
148 62.2 43.3 80.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#64

1,4-Dichlorobenzene

Concen: 24.814 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW014955.D

Acq: 11 Feb 2020 09:44

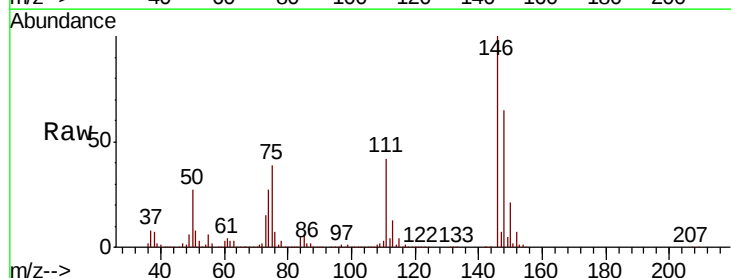
Tgt Ion:146 Resp: 530186

Ion Ratio Lower Upper

146 100

111 42.3 27.9 51.7

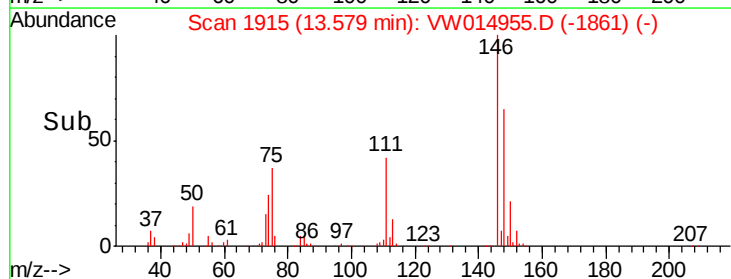
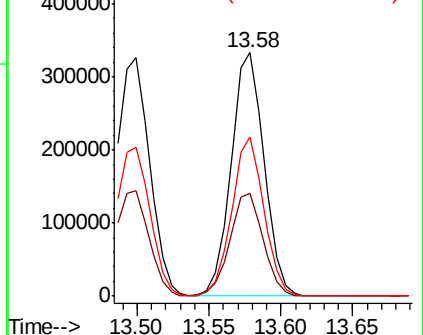
148 65.3 44.0 81.8

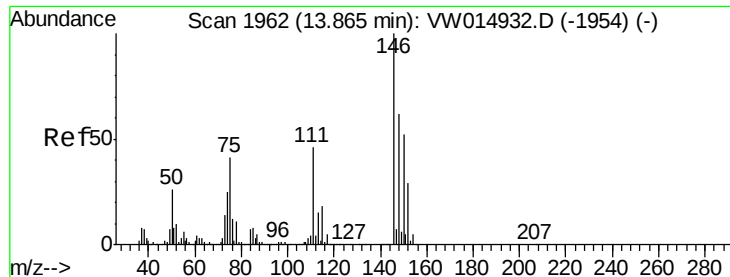


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 24.998 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.01 min

Lab File: VW014955.D

Acq: 11 Feb 2020 09:44

Instrument :

MSVOA_W

ClientSampleId :

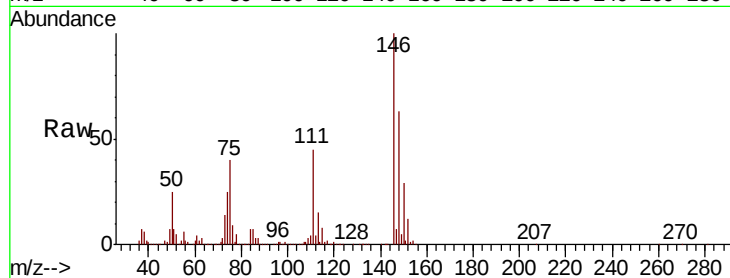
Tot Ion:146 Resp: 484982

Ion Ratio Lower Upper

146 100

111 45.4 35.0 52.6

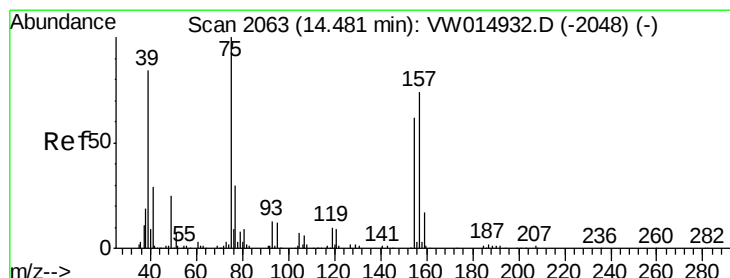
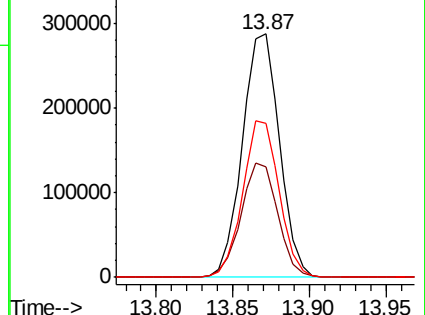
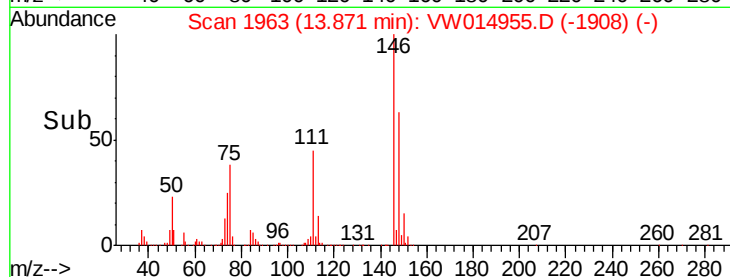
148 63.3 51.1 76.7



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: 26.051 ug/L

RT: 14.48 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VW014955.D

Acq: 11 Feb 2020 09:44

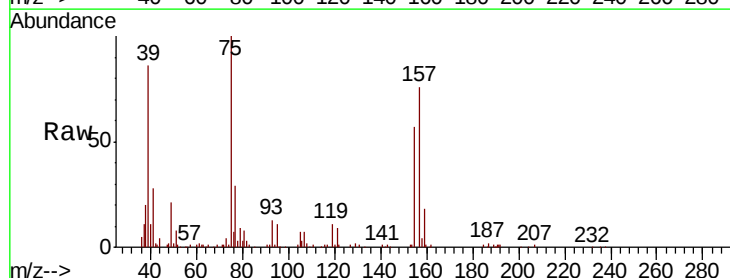
Tgt Ion: 75 Resp: 43094

Ion Ratio Lower Upper

75 100

157 75.5 74.2 111.4

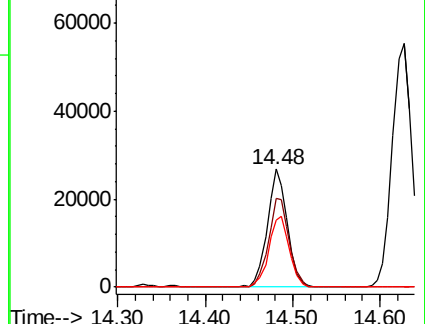
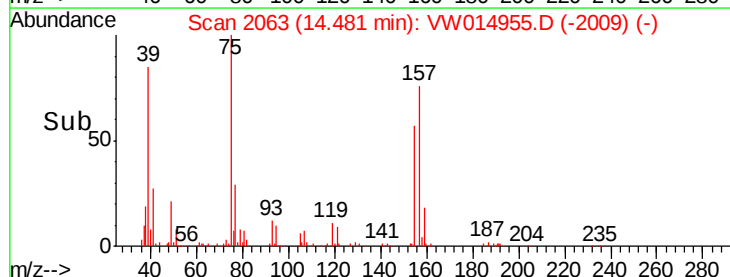
155 57.0 56.1 84.1

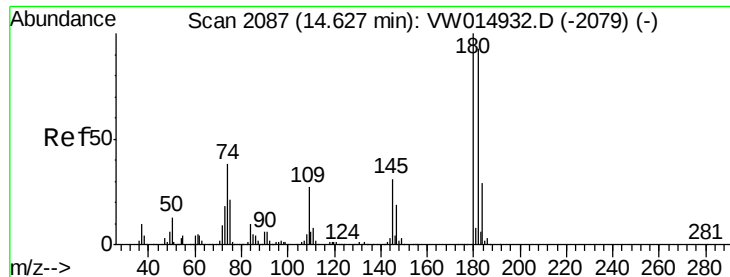


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

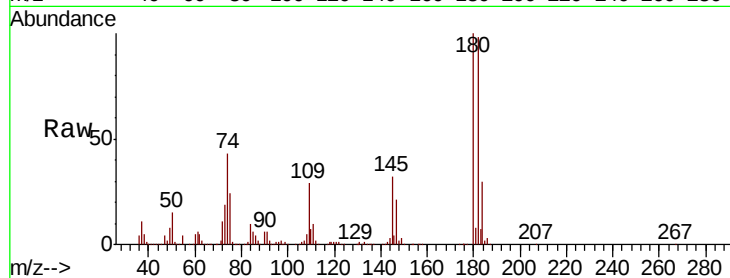




#67
 1,3,5-Trichlorobenzene
 Concen: 24.085 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW014955.D
 Acq: 11 Feb 2020 09:44

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	75.5	113.3
184	30.0	24.6	36.8
145	31.8	23.7	35.5



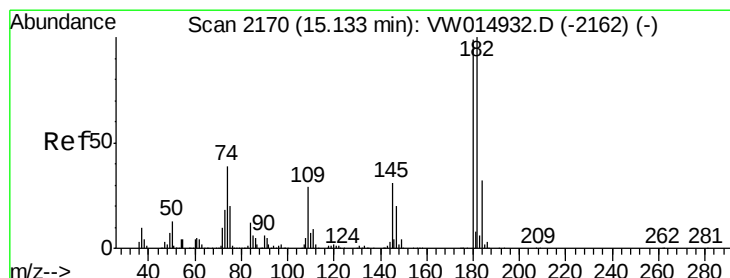
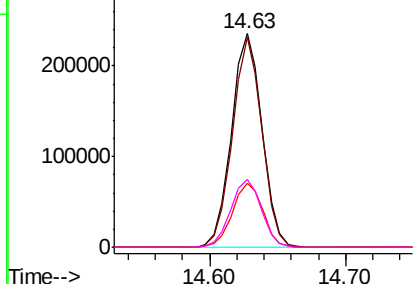
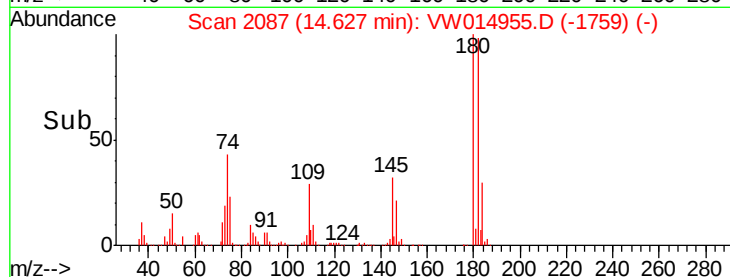
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

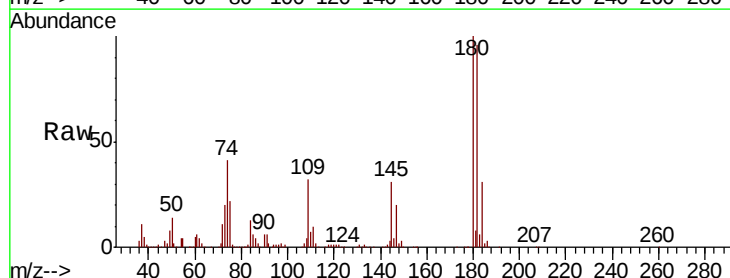
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 23.447 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW014955.D
 Acq: 11 Feb 2020 09:44

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.4	114.6
145	32.2	24.6	37.0

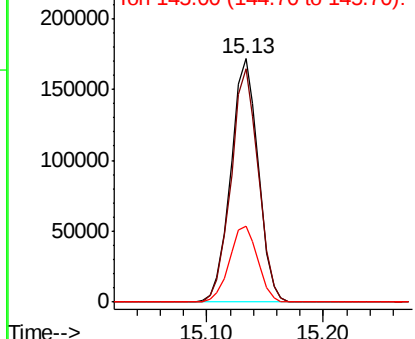
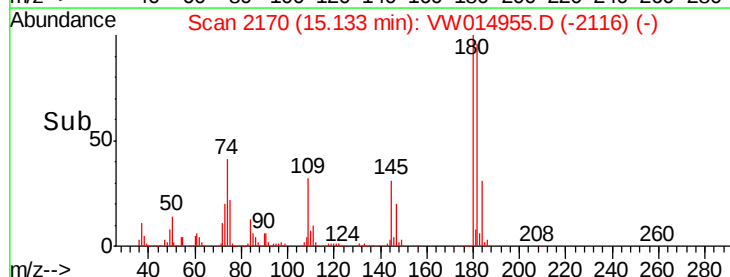


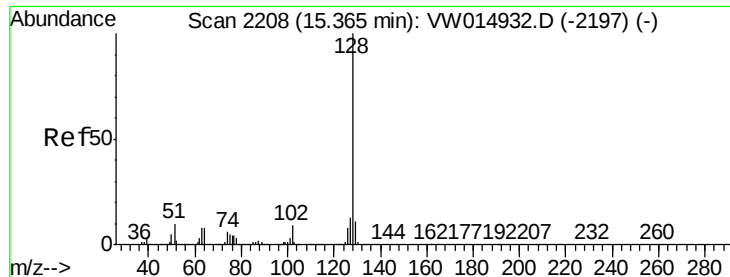
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 23.706 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW014955.D

Acq: 11 Feb 2020 09:44

Instrument :

MSVOA_W

ClientSampleId :

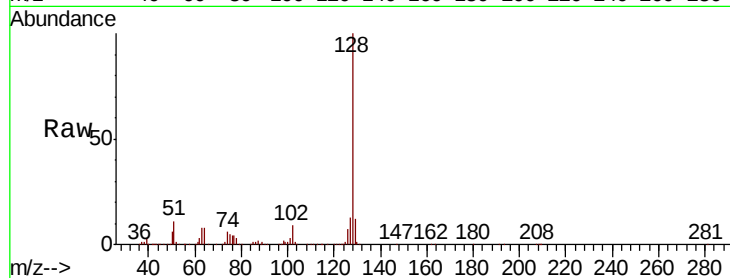
Tot Ion:128 Resp: 559699

Ion Ratio Lower Upper

128 100

129 11.0 8.7 13.1

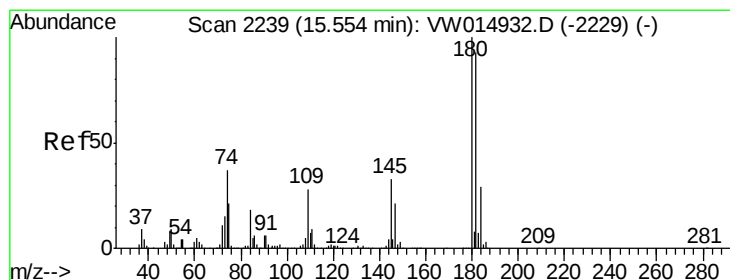
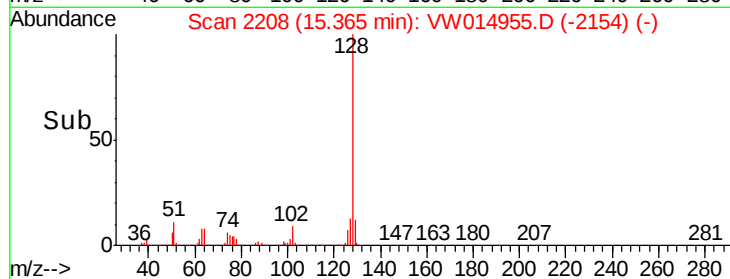
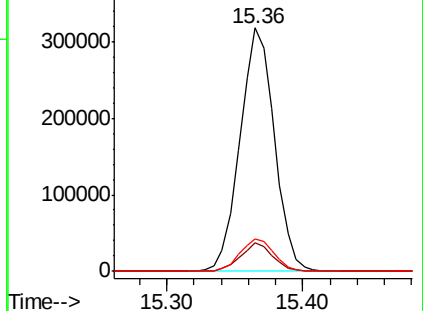
127 13.2 10.5 15.7



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: 23.515 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW014955.D

Acq: 11 Feb 2020 09:44

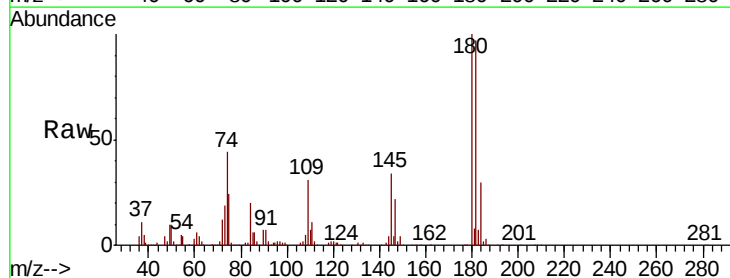
Tgt Ion:180 Resp: 260604

Ion Ratio Lower Upper

180 100

182 95.7 75.3 112.9

145 34.2 26.0 39.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

