

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW041420\
 Data File : VW015194.D
 Acq On : 14 Apr 2020 16:44
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 15 01:41:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041420S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 15 01:38:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	1048763	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	900859	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	404376	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	281340	29.50	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	118.00%
7) Chloroethane-d5	2.89	69	220726	27.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	109.80%
10) 1,1-Dichloroethene-d2	4.02	63	573025	23.74	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.96%
20) 2-Butanone-d5	7.07	46	128534	41.88	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.76%
24) Chloroform-d	7.65	84	563375	24.04	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.16%
26) 1,2-Dichloroethane-d4	8.30	65	266814	23.17	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.68%
29) Benzene-d6	8.27	84	1186094	24.37	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.48%
33) 1,2-Dichloropropane-d6	9.27	67	352678	24.08	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.32%
37) Toluene-d8	10.32	98	1119238	24.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.04%
38) trans-1,3-Dichloropropene-	10.58	79	149182	22.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.40%
39) 2-Hexanone-d5	10.92	63	109442	41.89	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.78%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	236354	22.12	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	88.48%
61) 1,2-Dichlorobenzene-d4	13.85	152	334315	23.54	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.16%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	219191	20.486	ug/L	97
3) Chloromethane	2.21	50	312351	24.297	ug/L	98
5) Vinyl chloride	2.37	62	379920	30.342	ug/L	99
6) Bromomethane	2.78	94	204034	28.982	ug/L	98
8) Chloroethane	2.93	64	193946	27.156	ug/L	99
9) Trichlorofluoromethane	3.26	101	269858	27.020	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	333380	23.436	ug/L	99
12) 1,1-Dichloroethene	4.04	96	330675	23.970	ug/L	96
13) Acetone	4.12	43	79596	35.764	ug/L	96
14) Carbon disulfide	4.38	76	1039114	23.992	ug/L	100
15) Methyl Acetate	4.67	43	111356	21.794	ug/L #	72
16) Methylene chloride	4.92	84	323219	22.159	ug/L	98
17) Methyl tert-butyl Ether	5.42	73	424169	23.265	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	338562	23.931	ug/L	97
19) 1,1-Dichloroethane	6.21	63	579008	24.112	ug/L	98
21) 2-Butanone	7.16	43	145981	40.733	ug/L	98
22) cis-1,2-Dichloroethene	7.16	96	355533	24.059	ug/L	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW041420\
 Data File : VW015194.D
 Acq On : 14 Apr 2020 16:44
 Operator : SY/VA
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 15 01:41:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041420S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 15 01:38:08 2020
 Response via : Initial Calibration

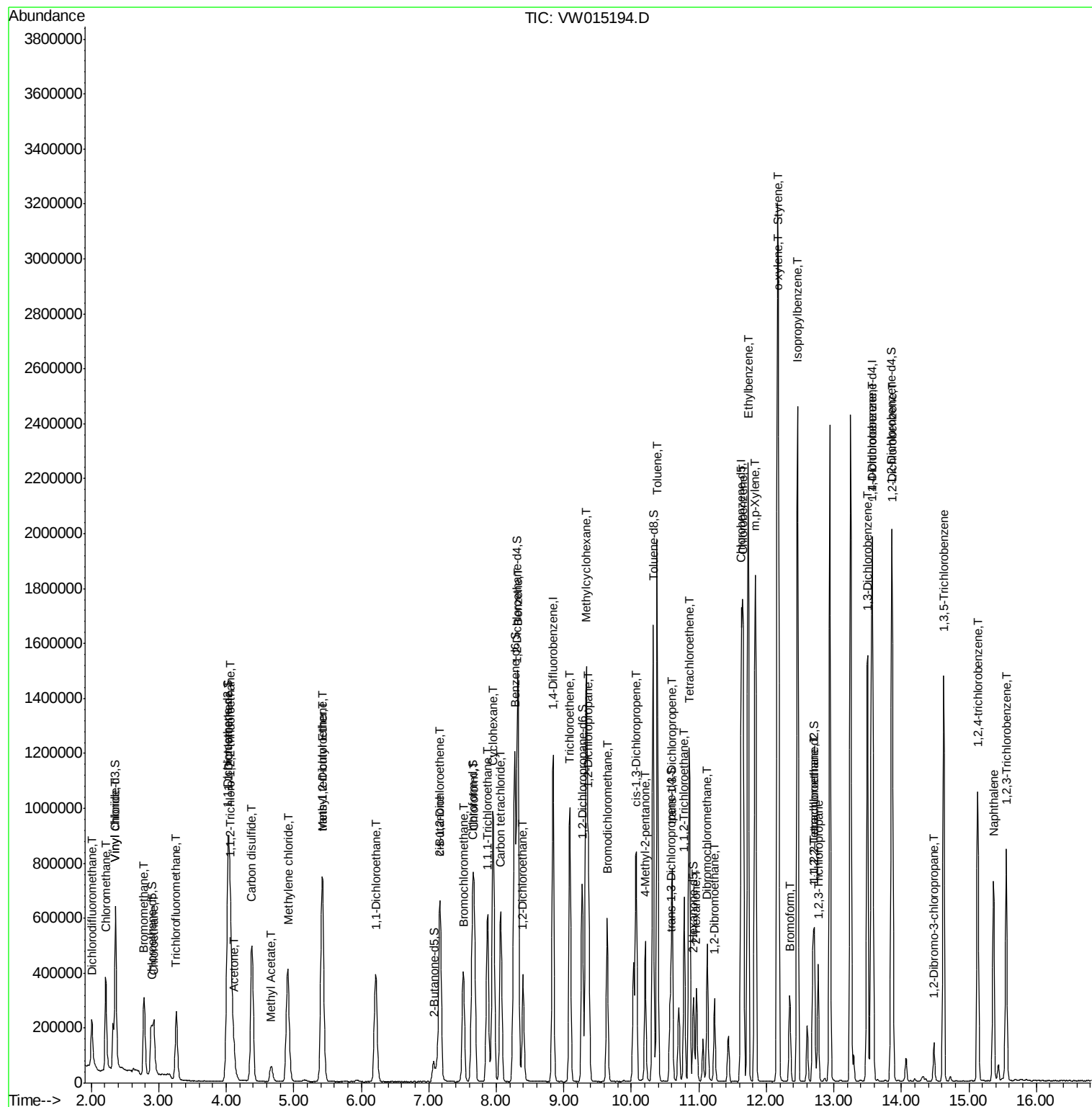
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	146691	23.854	ug/L	95
25) Chloroform	7.67	83	561869	24.043	ug/L	99
27) 1,2-Dichloroethane	8.40	62	327528	23.452	ug/L	99
30) Cyclohexane	7.95	56	585881	24.009	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	496402	24.844	ug/L	100
32) Carbon tetrachloride	8.07	117	448512	24.512	ug/L	98
34) Benzene	8.32	78	1348473	24.398	ug/L	100
35) Trichloroethene	9.09	95	348366	24.351	ug/L	99
36) Methylcyclohexane	9.34	83	640767	24.273	ug/L	99
40) 1,2-Dichloropropane	9.37	63	325647	24.298	ug/L	100
41) Bromodichloromethane	9.65	83	407144	24.335	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	506231	24.014	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	331470	42.734	ug/L	99
44) Toluene	10.38	91	1445764	24.644	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	419687	23.534	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	217623	22.947	ug/L	98
47) Tetrachloroethene	10.86	164	266558	24.534	ug/L	99
49) 2-Hexanone	10.96	43	218658	42.705	ug/L	99
50) Dibromochloromethane	11.13	129	261483	23.436	ug/L	99
51) 1,2-Dibromoethane	11.23	107	207469	23.279	ug/L	96
52) Chlorobenzene	11.66	112	883474	24.404	ug/L	98
53) Ethylbenzene	11.73	91	1588730	24.154	ug/L	98
54) m,p-Xylene	11.84	106	628266	24.811	ug/L	94
55) o-xylene	12.16	106	586330	24.182	ug/L	97
56) Styrene	12.18	104	981015	24.215	ug/L	95
57) Isopropylbenzene	12.46	105	1584651	24.328	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	238856	21.956	ug/L	100
59) 1,2,3-Trichloropropane	12.77	75	172535	21.561	ug/L	100
62) Bromoform	12.35	173	138305	22.114	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	639054	24.067	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	623736	24.025	ug/L	98
65) 1,2-Dichlorobenzene	13.87	146	556888	23.645	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	37181	20.833	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	439309	24.237	ug/L	97
68) 1,2,4-trichlorobenzene	15.13	180	347432	23.308	ug/L	99
69) Naphthalene	15.36	128	637965	21.414	ug/L	100
70) 1,2,3-Trichlorobenzene	15.55	180	283973	22.274	ug/L	99

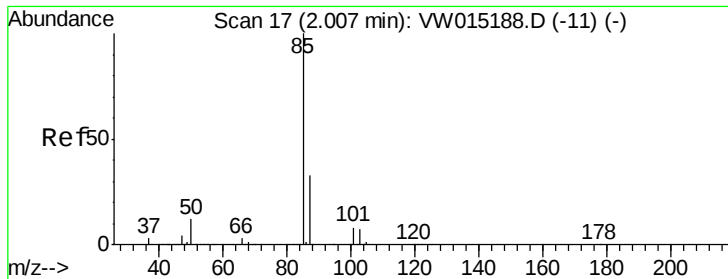
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW041420\
Data File : VW015194.D
Acq On : 14 Apr 2020 16:44
Operator : SY/VA
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :

Quant Time: Apr 15 01:41:00 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM041420S.M
Quant Title : VOC Analysis
QLast Update : Wed Apr 15 01:38:08 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 20.486 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW015194.D

Acq: 14 Apr 2020 16:44

Instrument :

MSVOA_W

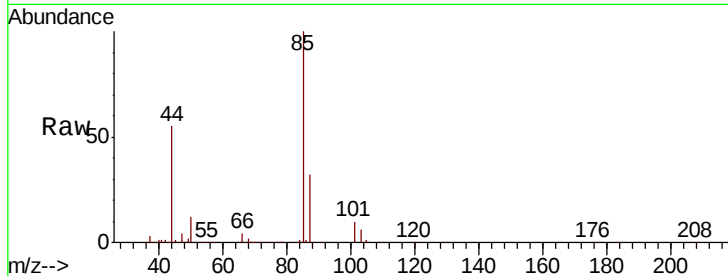
ClientSampled :

Tot Ion: 85 Resp: 219191

Ion Ratio Lower Upper

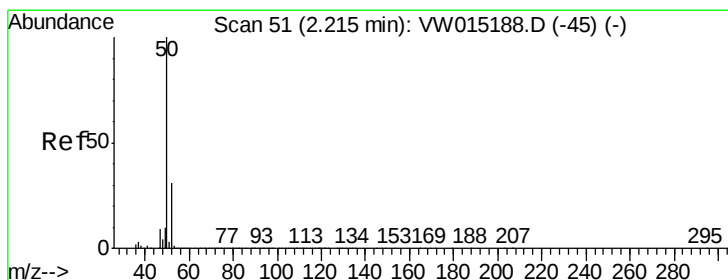
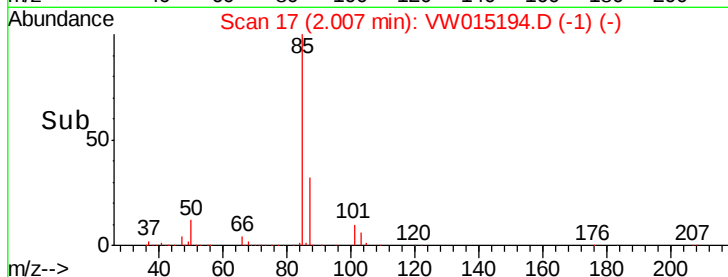
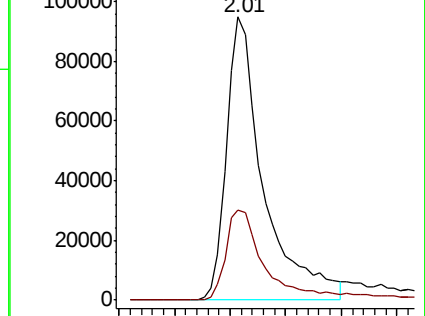
85 100

87 31.8 23.3 43.3



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 24.297 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW015194.D

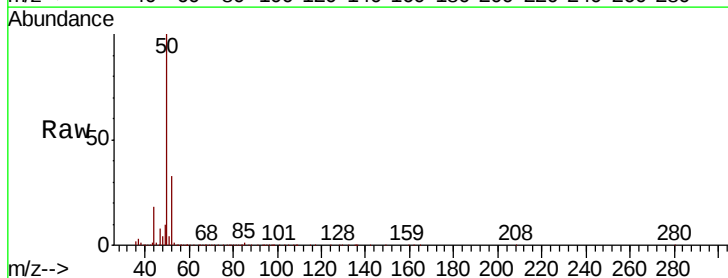
Acq: 14 Apr 2020 16:44

Tgt Ion: 50 Resp: 312351

Ion Ratio Lower Upper

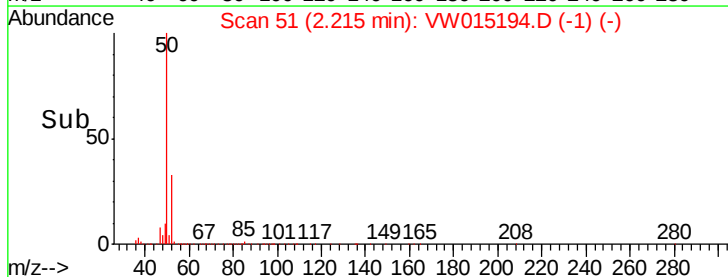
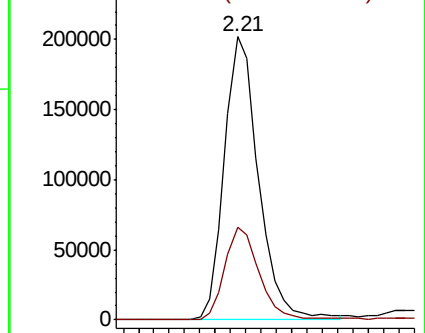
50 100

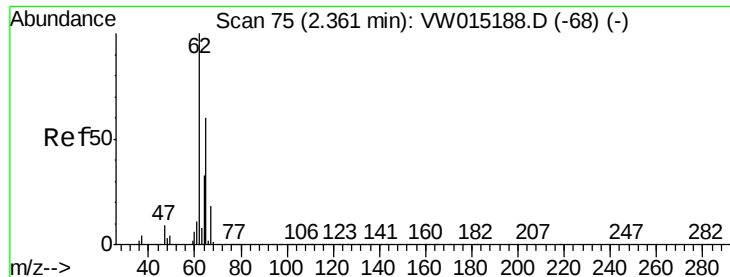
52 32.7 22.0 40.8



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 30.342 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.01 min

Lab File: VW015194.D

Acq: 14 Apr 2020 16:44

Instrument :

MSVOA_W

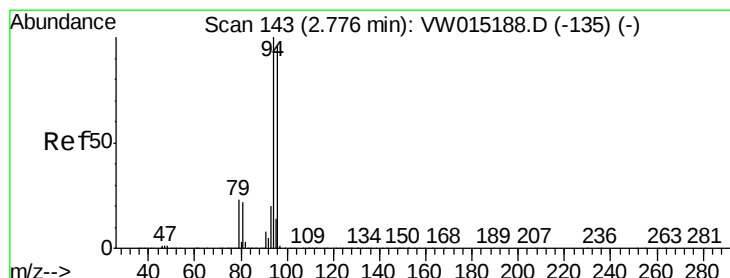
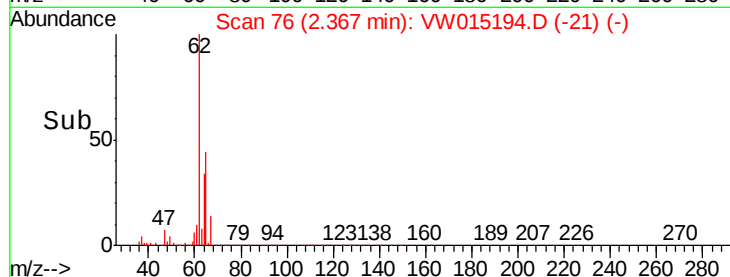
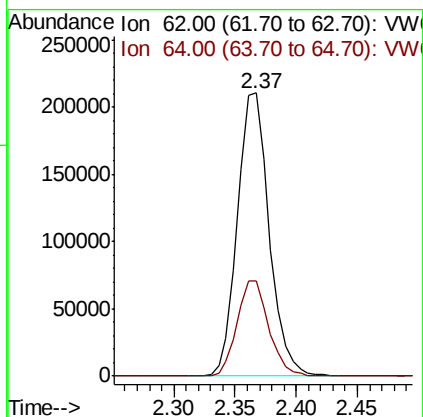
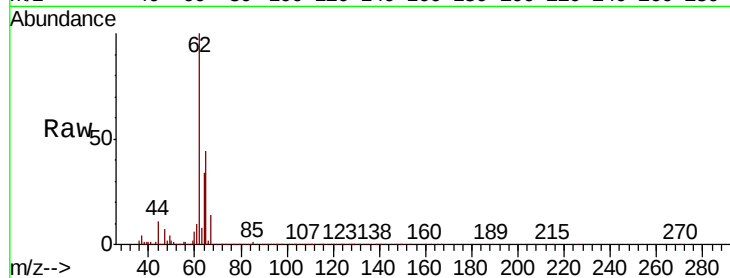
ClientSampled :

Tot Ion: 62 Resp: 379920

Ion Ratio Lower Upper

62 100

64 33.5 23.2 43.0



#6

Bromomethane

Concen: 28.982 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW015194.D

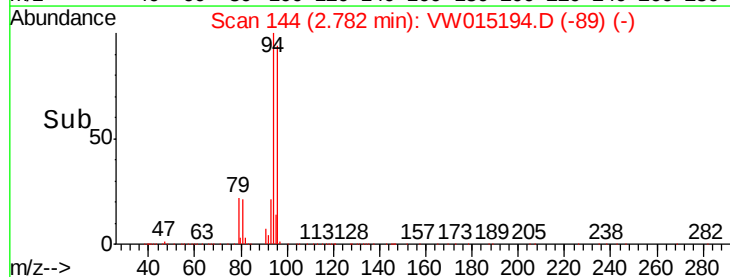
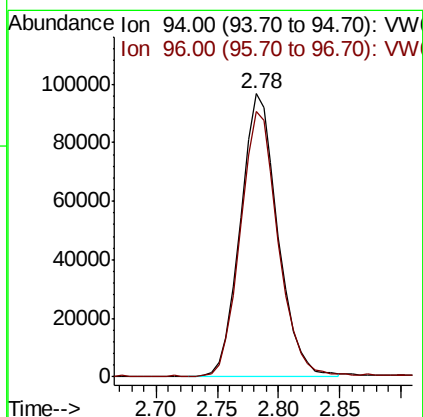
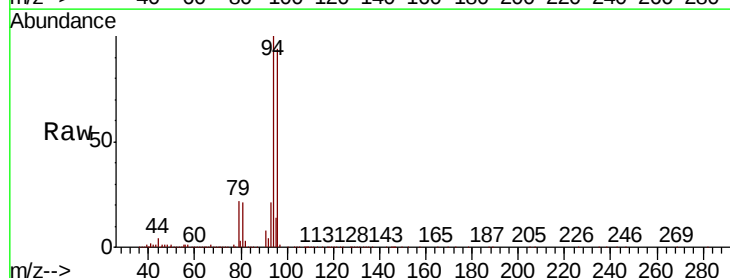
Acq: 14 Apr 2020 16:44

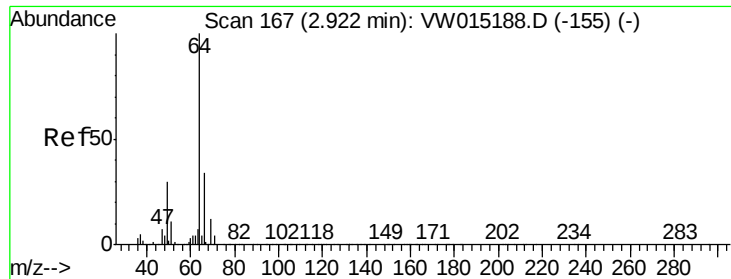
Tgt Ion: 94 Resp: 204034

Ion Ratio Lower Upper

94 100

96 95.0 9.3 176.5

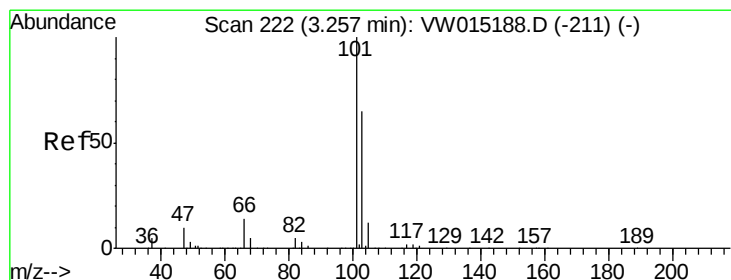
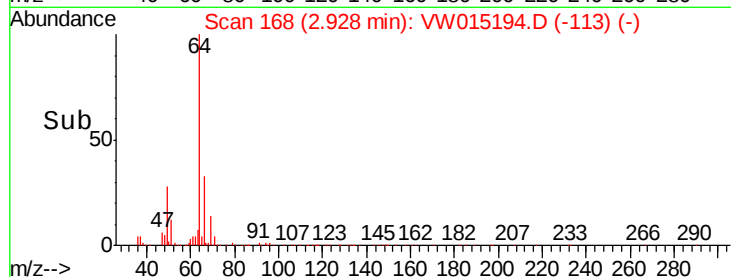
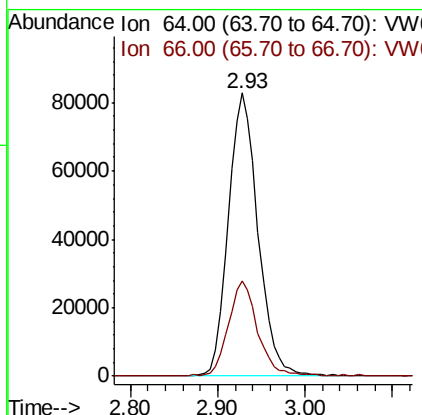
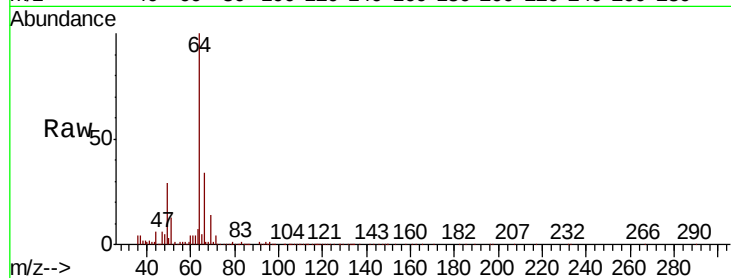




#8
Chloroethane
Concen: 27.156 ug/L
RT: 2.93 min Scan# 168
Delta R.T. 0.01 min
Lab File: VW015194.D
Acq: 14 Apr 2020 16:44

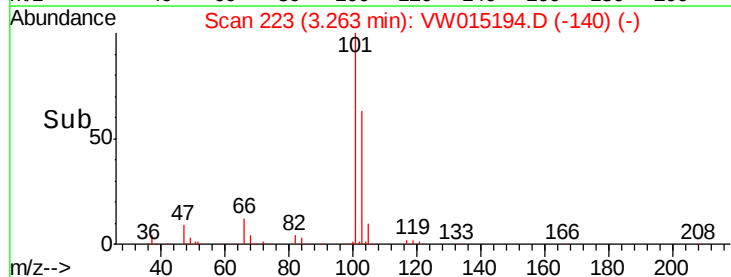
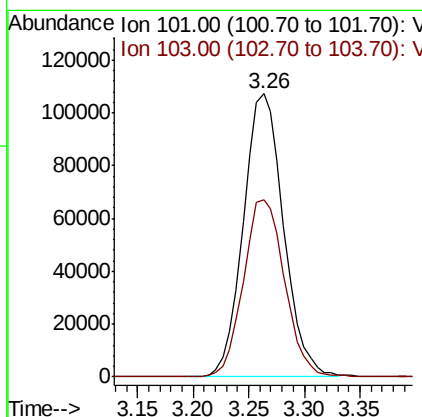
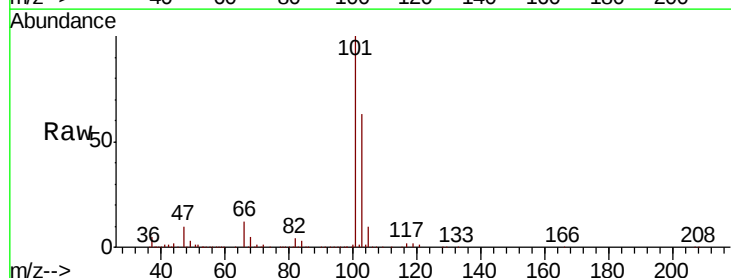
Instrument :
MSVOA_W
ClientSampleId :

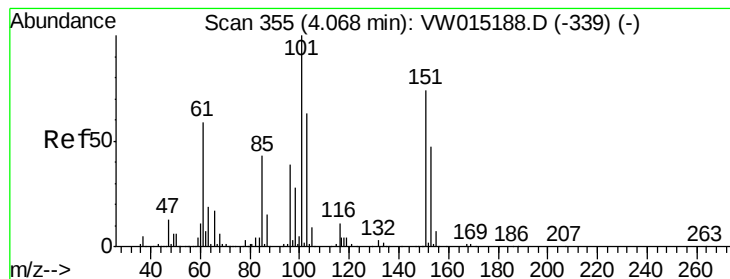
Tot Ion: 64 Resp: 193946
Ion Ratio Lower Upper
64 100
66 33.5 23.9 44.3



#9
Trichlorofluoromethane
Concen: 27.020 ug/L
RT: 3.26 min Scan# 223
Delta R.T. 0.01 min
Lab File: VW015194.D
Acq: 14 Apr 2020 16:44

Tgt Ion: 101 Resp: 269858
Ion Ratio Lower Upper
101 100
103 64.0 45.3 84.1





#11

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

Concen: 23.436 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW015194.D

Acq: 14 Apr 2020 16:44

Instrument :

MSVOA_W

ClientSampleId :

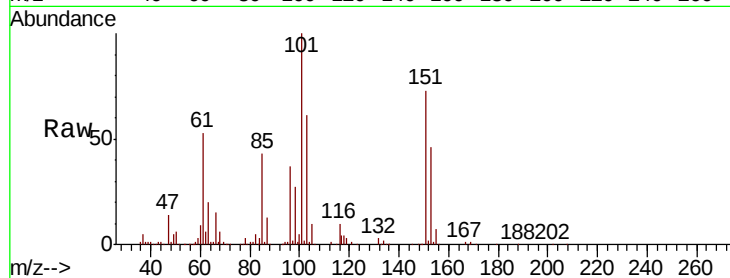
Tot Ion:101 Resp: 333380

Ion Ratio Lower Upper

101 100

85 42.5 33.5 50.3

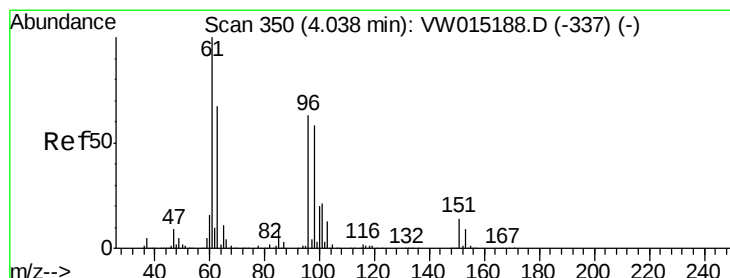
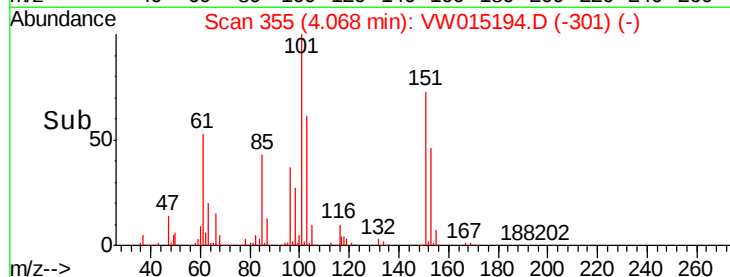
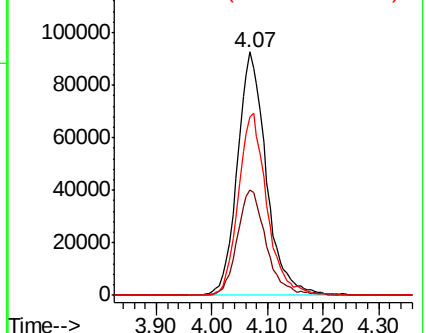
151 73.5 59.1 88.7



Abundance Ion 101.00 (100.70 to 101.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): VW



#12

1,1-Dichloroethene

Concen: 23.970 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.00 min

Lab File: VW015194.D

Acq: 14 Apr 2020 16:44

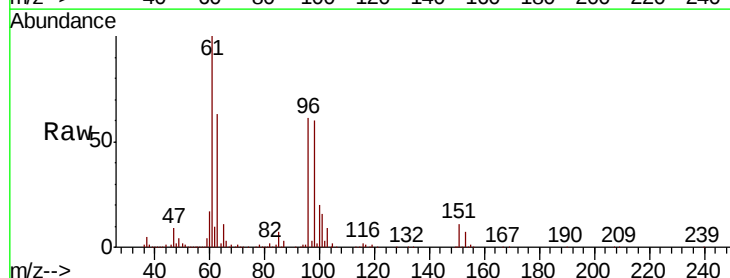
Tgt Ion: 96 Resp: 330675

Ion Ratio Lower Upper

96 100

61 164.2 111.0 206.2

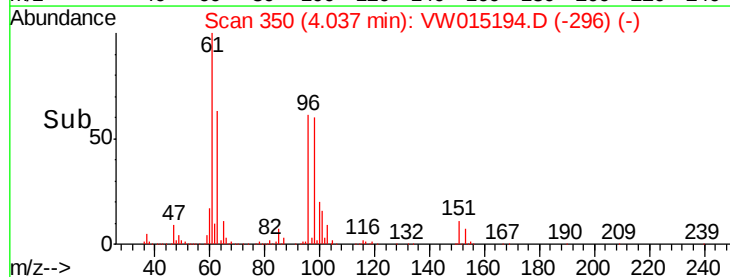
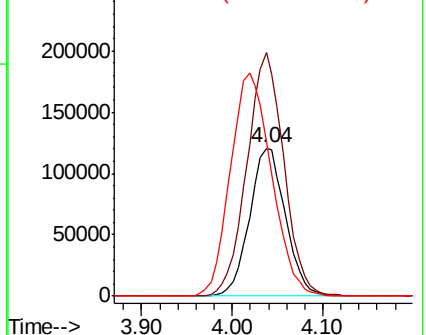
63 103.9 74.4 138.2

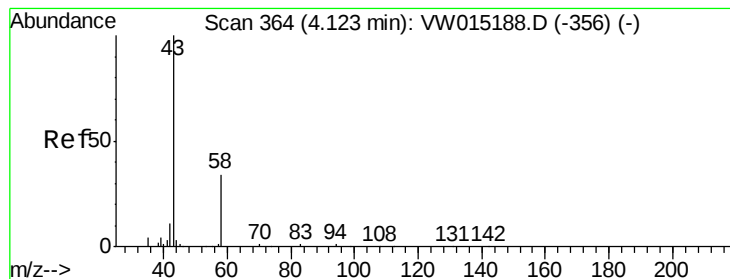


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 35.764 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW015194.D

Acq: 14 Apr 2020 16:44

Instrument :

MSVOA_W

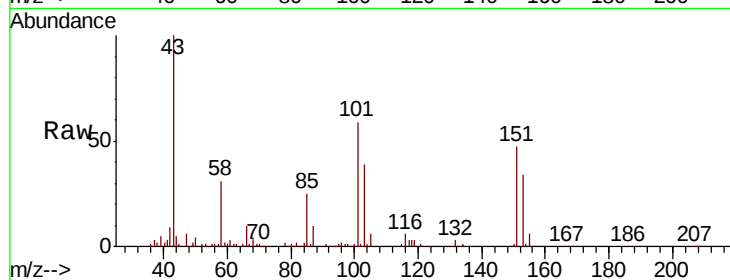
ClientSampleId :

Tot Ion: 43 Resp: 79596

Ion Ratio Lower Upper

43 100

58 36.2 0.0 77.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

30000

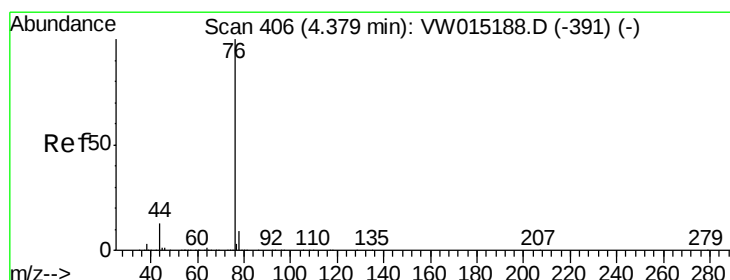
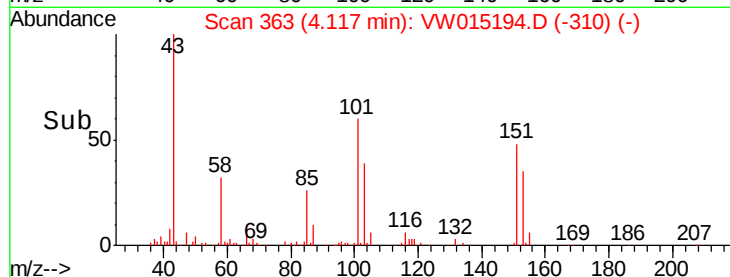
20000

10000

0

4.05 4.10 4.15 4.20

Time-->



#14

Carbon disulfide

Concen: 23.992 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW015194.D

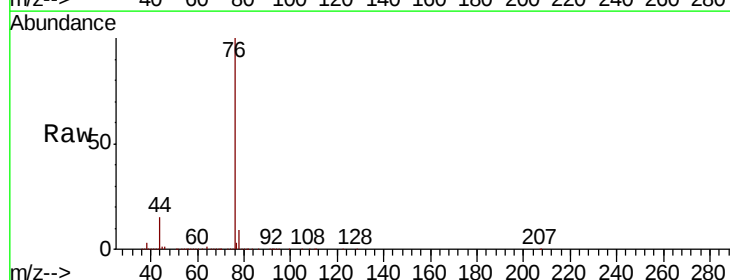
Acq: 14 Apr 2020 16:44

Tgt Ion: 76 Resp: 1039114

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

4.38

400000

300000

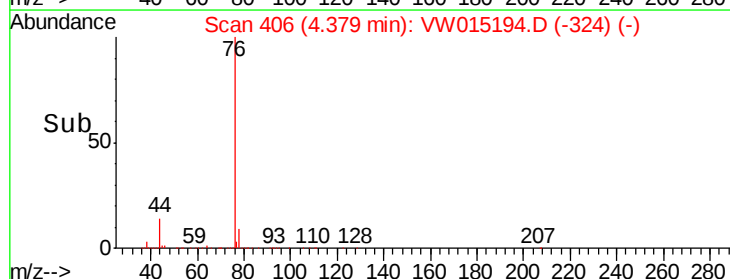
200000

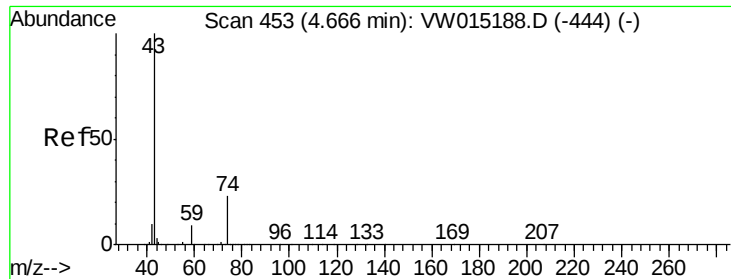
100000

0

4.20 4.30 4.40 4.50

Time-->

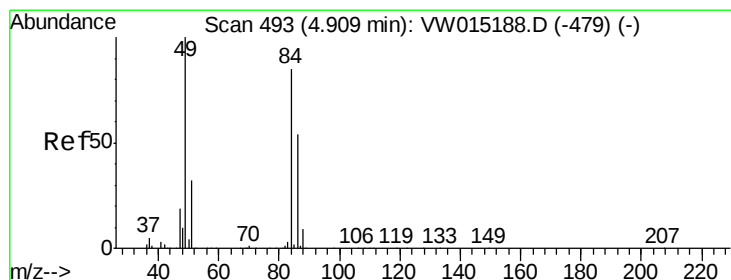
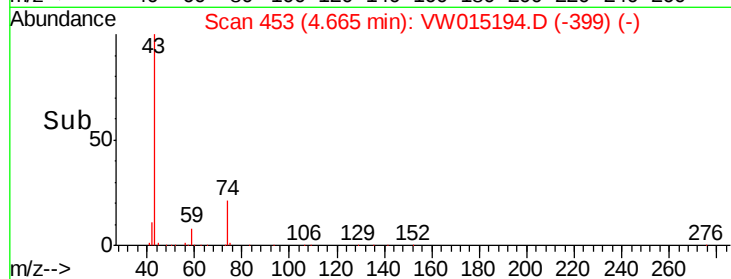
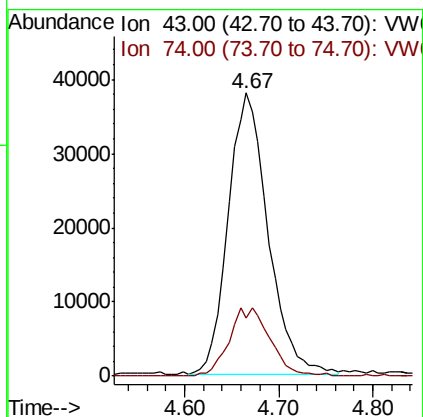
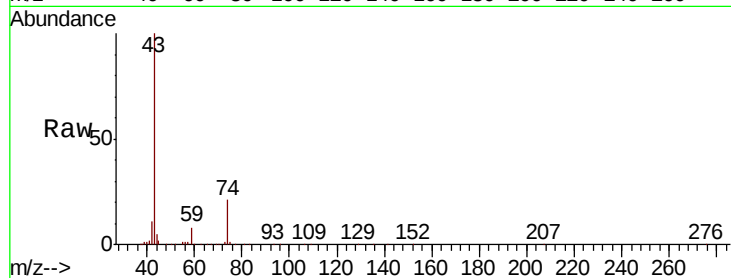




#15
Methvl Acetate
Concen: 21.794 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW015194.D
Acq: 14 Apr 2020 16:44

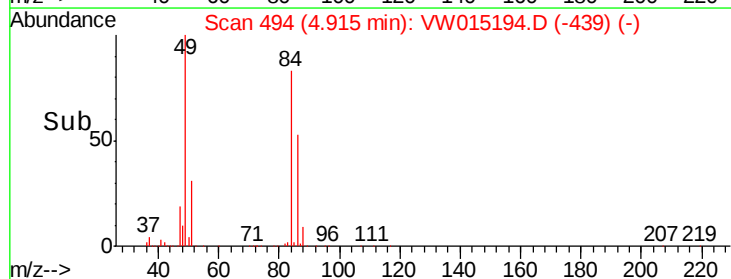
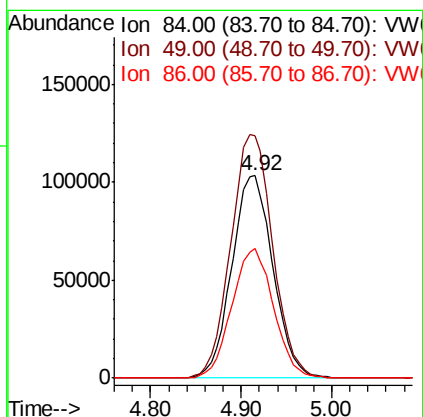
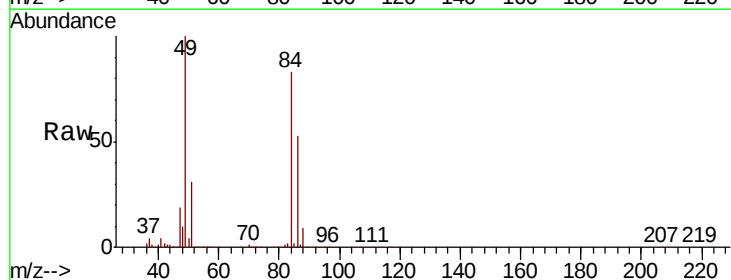
Instrument :
MSVOA_W
ClientSampleId :

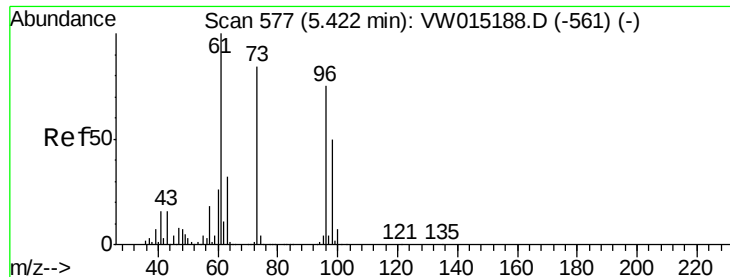
Tot Ion: 43 Resp: 111356
Ion Ratio Lower Upper
43 100
74 11.8 20.7 31.1#



#16
Methylene chloride
Concen: 22.159 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW015194.D
Acq: 14 Apr 2020 16:44

Tgt Ion: 84 Resp: 323219
Ion Ratio Lower Upper
84 100
49 119.8 82.3 152.9
86 64.0 44.1 81.9

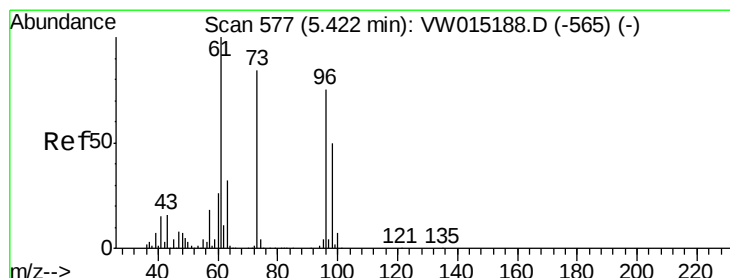
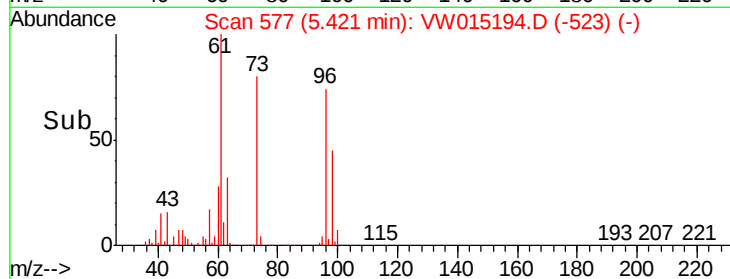
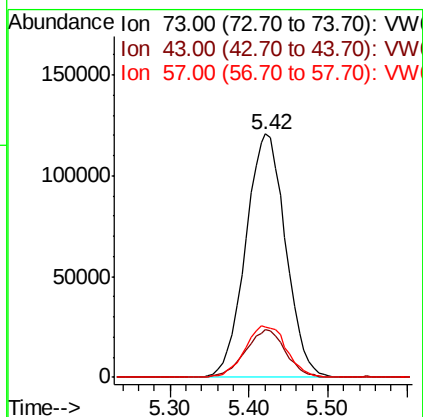
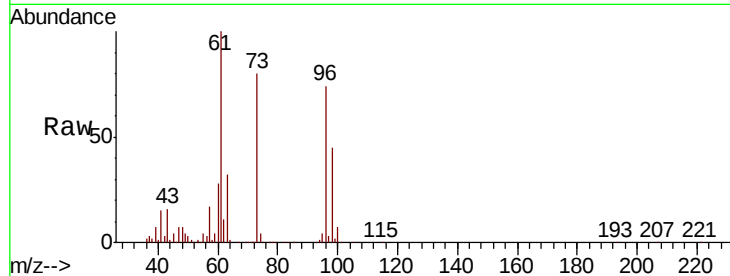




#17
Methvl tert-butvl Ether
Concen: 23.265 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW015194.D
Acq: 14 Apr 2020 16:44

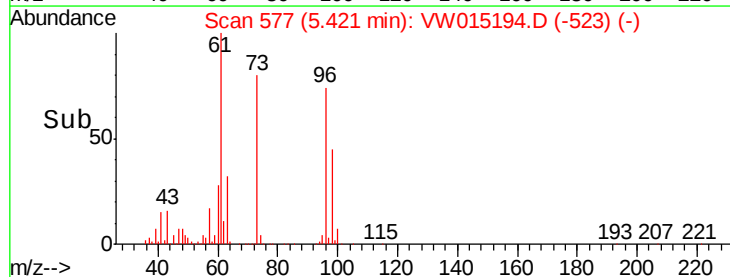
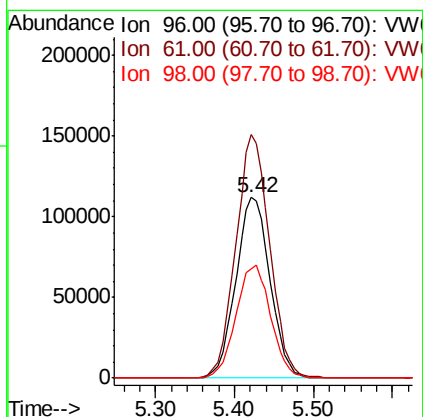
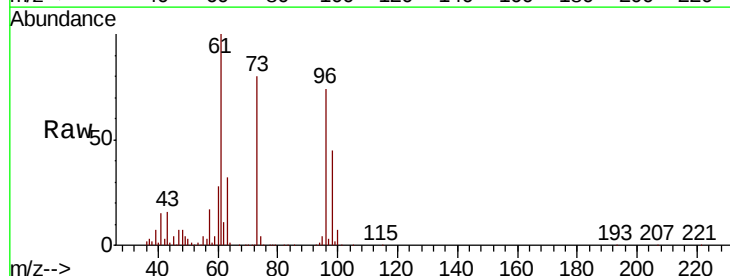
Instrument :
MSVOA_W
ClientSampleId :

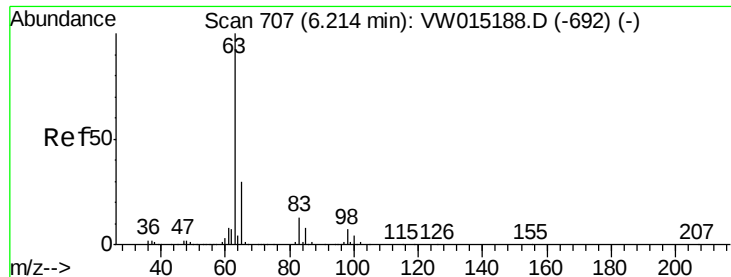
Tot Ion: 73 Resp: 424169
Ion Ratio Lower Upper
73 100
43 19.4 15.7 23.5
57 22.0 17.9 26.9



#18
trans-1,2-Dichloroethene
Concen: 23.931 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW015194.D
Acq: 14 Apr 2020 16:44

Tgt Ion: 96 Resp: 338562
Ion Ratio Lower Upper
96 100
61 135.0 93.6 173.8
98 60.7 46.8 87.0

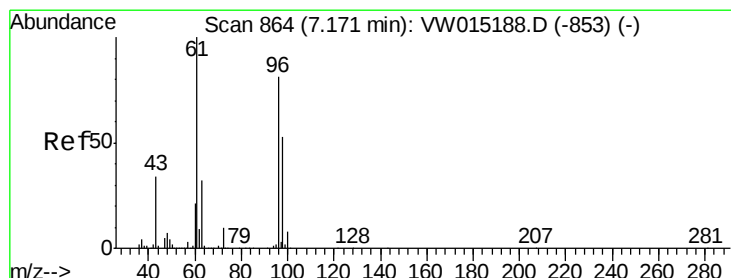
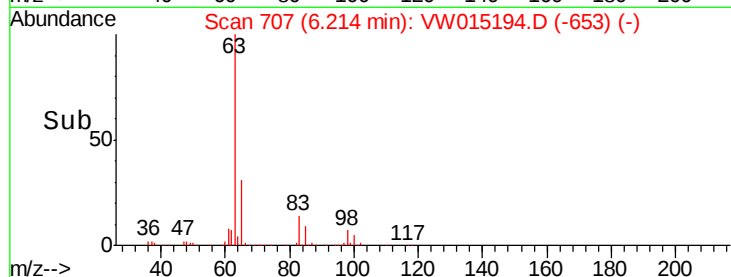
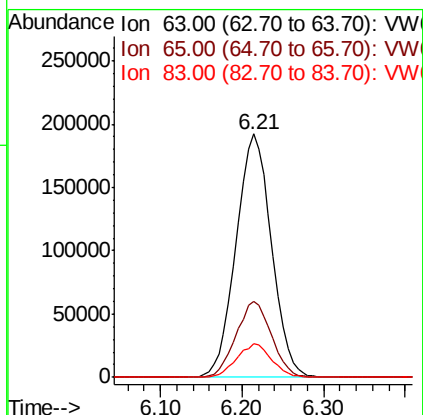
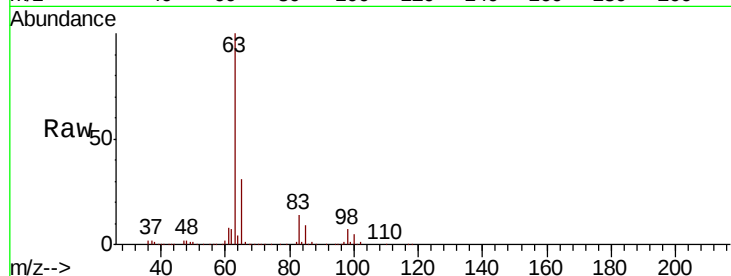




#19
 1,1-Dichloroethane
 Concen: 24.112 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW015194.D
 Acq: 14 Apr 2020 16:44

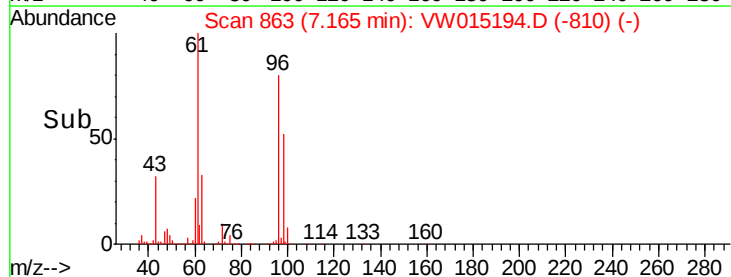
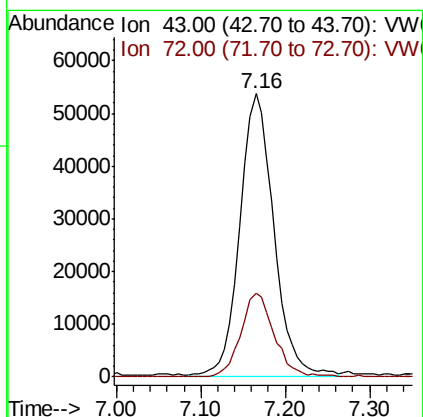
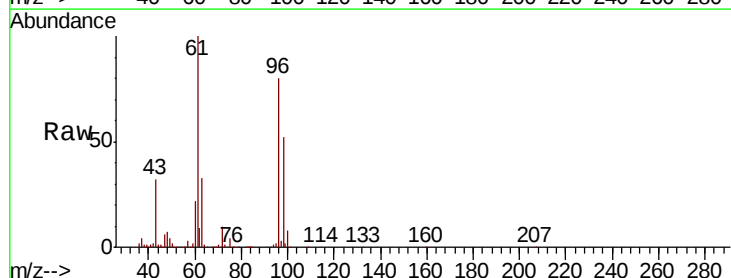
Instrument :
 MSVOA_W
 ClientSampleId :

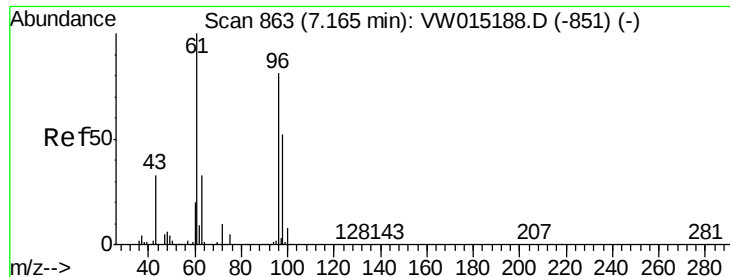
Tot Ion: 63 Resp: 579008
 Ion Ratio Lower Upper
 63 100
 65 31.3 21.3 39.5
 83 13.8 9.0 16.8



#21
 2-Butanone
 Concen: 40.733 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW015194.D
 Acq: 14 Apr 2020 16:44

Tgt Ion: 43 Resp: 145981
 Ion Ratio Lower Upper
 43 100
 72 28.8 14.9 44.7



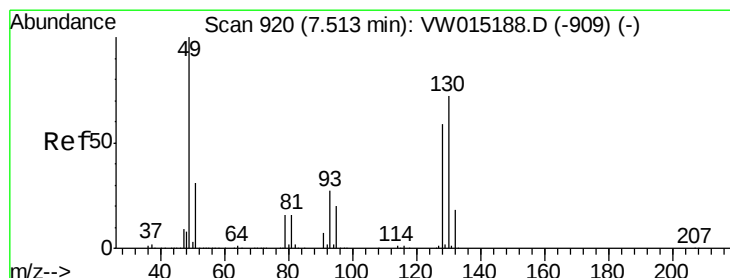
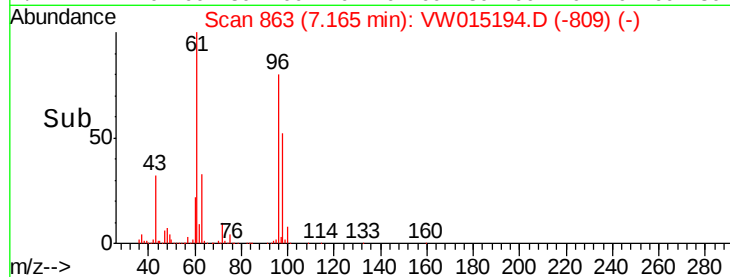
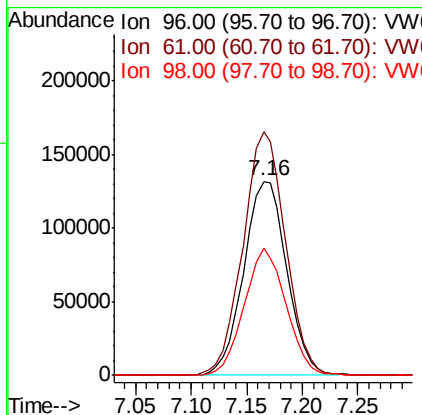
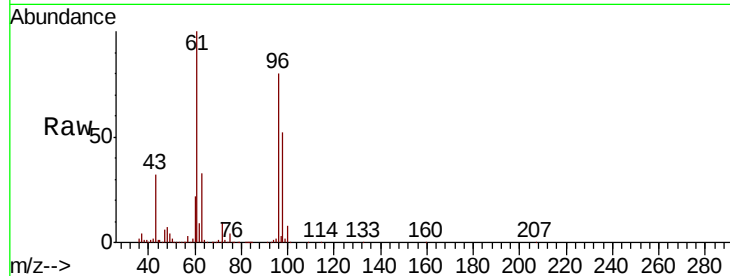


#22

cis-1,2-Dichloroethene
 Concen: 24.059 ug/L
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW015194.D
 Acq: 14 Apr 2020 16:44

Instrument :
 MSVOA_W
 ClientSampleId :

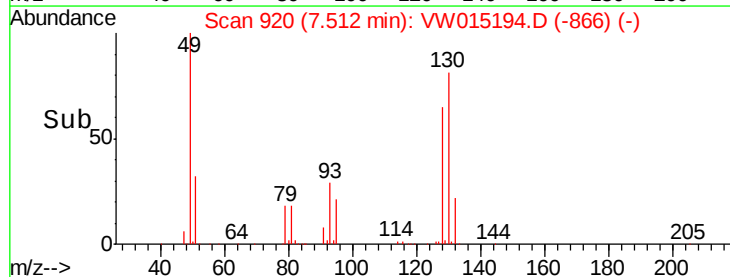
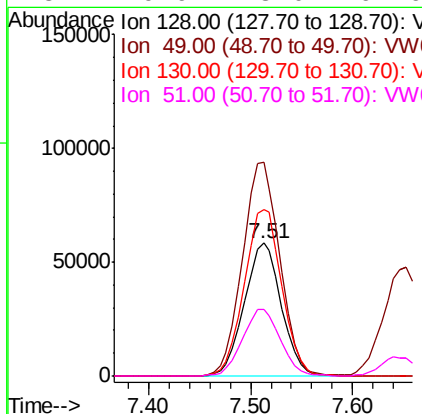
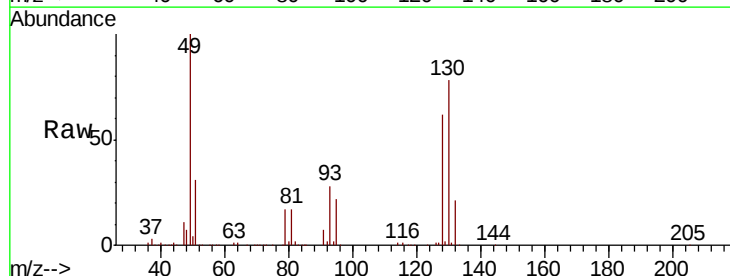
Tot Ion: 96 Resp: 355533
 Ion Ratio Lower Upper
 96 100
 61 125.7 86.7 161.1
 98 65.8 44.7 82.9

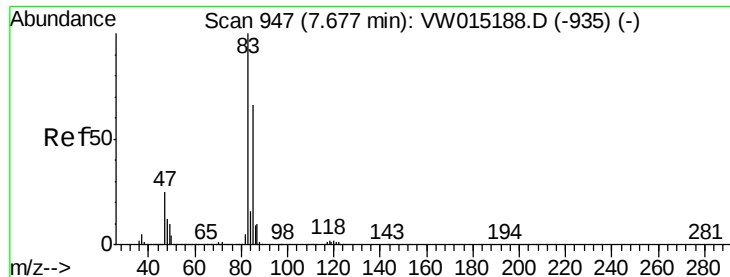


#23

Bromochloromethane
 Concen: 23.854 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW015194.D
 Acq: 14 Apr 2020 16:44

Tgt Ion: 128 Resp: 146691
 Ion Ratio Lower Upper
 128 100
 49 160.9 119.1 221.3
 130 125.6 86.3 160.3
 51 49.9 43.0 64.6





#25

Chloroform

Concen: 24.043 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.01 min

Lab File: VW015194.D

Acq: 14 Apr 2020 16:44

Instrument :

MSVOA_W

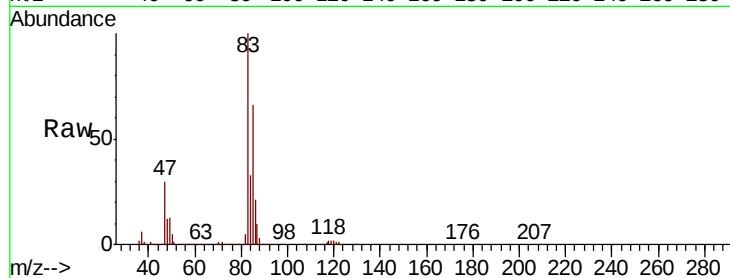
ClientSampled :

Tot Ion: 83 Resp: 561869

Ion Ratio Lower Upper

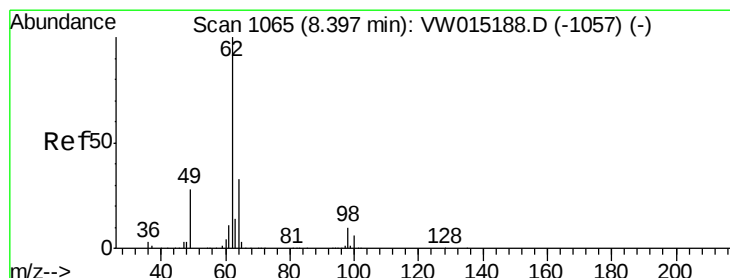
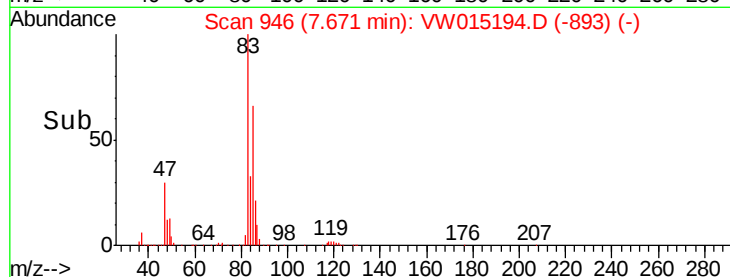
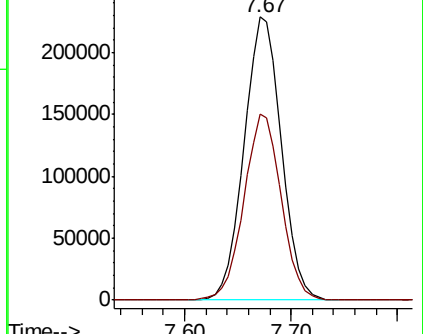
83 100

85 65.7 46.5 86.3



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#27

1,2-Dichloroethane

Concen: 23.452 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW015194.D

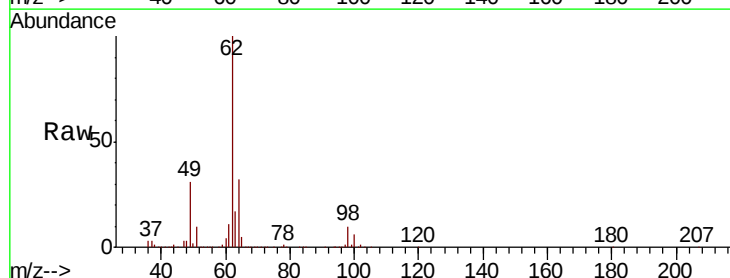
Acq: 14 Apr 2020 16:44

Tgt Ion: 62 Resp: 327528

Ion Ratio Lower Upper

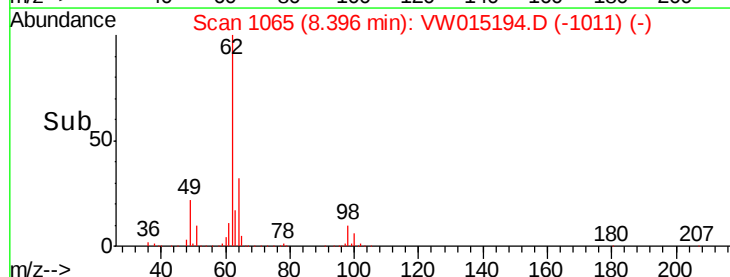
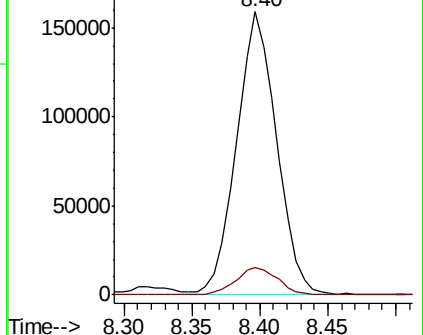
62 100

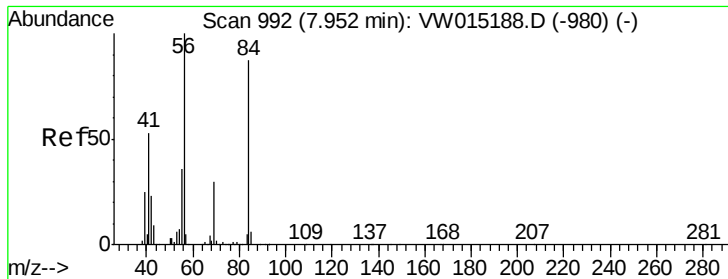
98 9.7 8.2 12.2



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW

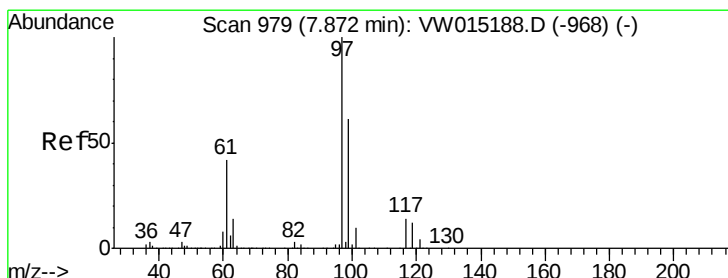
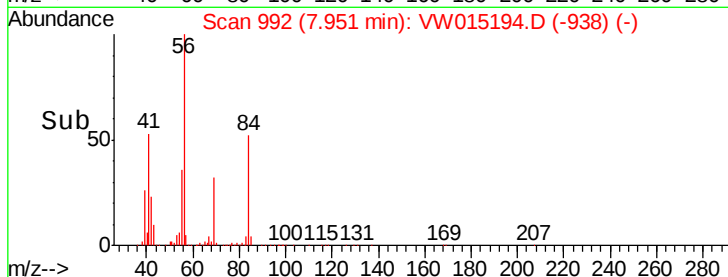
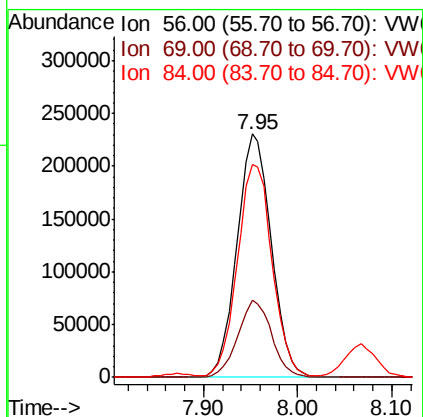
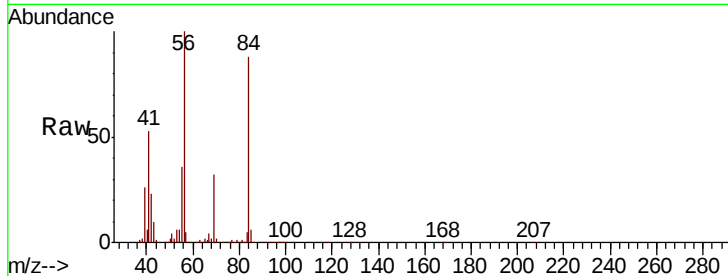




#30
Cyclohexane
Concen: 24.009 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW015194.D
Acq: 14 Apr 2020 16:44

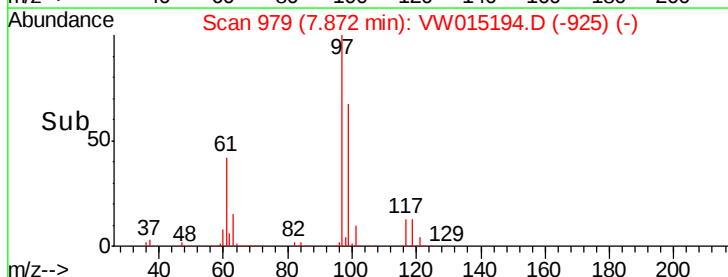
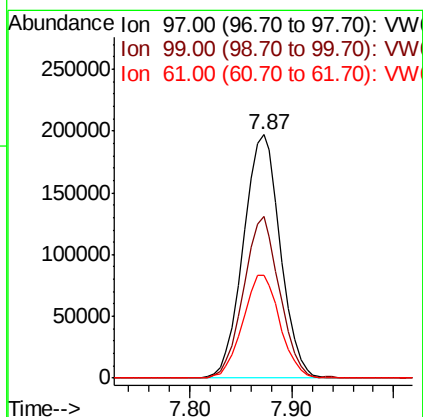
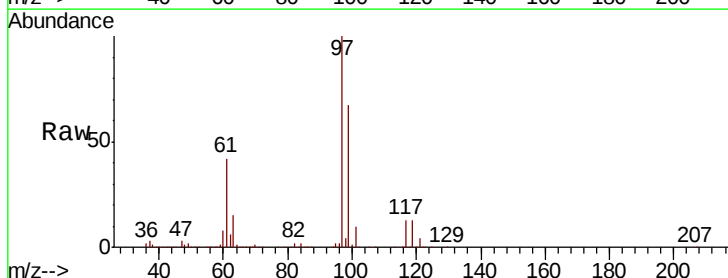
Instrument :
MSVOA_W
ClientSampled :

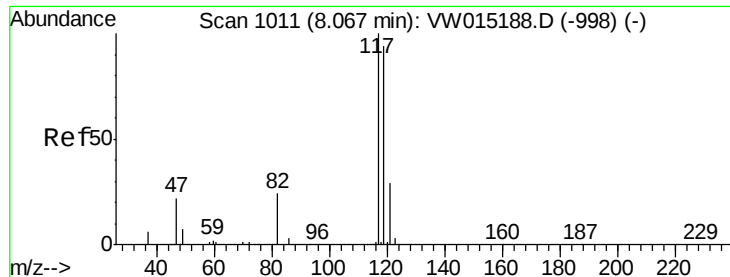
Tot Ion: 56 Resp: 585881
Ion Ratio Lower Upper
56 100
69 31.0 24.8 37.2
84 89.0 71.0 106.6



#31
1,1,1-Trichloroethane
Concen: 24.844 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW015194.D
Acq: 14 Apr 2020 16:44

Tgt Ion: 97 Resp: 496402
Ion Ratio Lower Upper
97 100
99 64.5 51.2 76.8
61 42.6 34.1 51.1





#32

Carbon tetrachloride

Concen: 24.512 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW015194.D

Acq: 14 Apr 2020 16:44

Instrument :

MSVOA_W

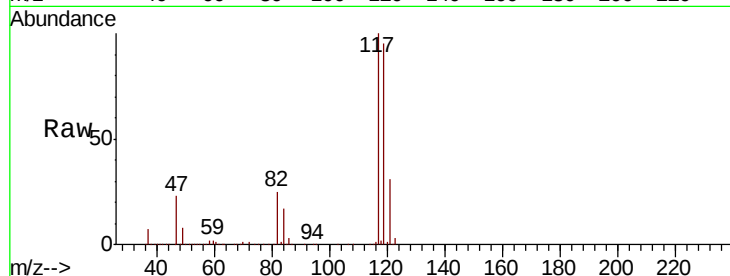
ClientSampled :

Tot Ion:117 Resp: 448512

Ion Ratio Lower Upper

117 100

119 96.8 76.0 114.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

200000

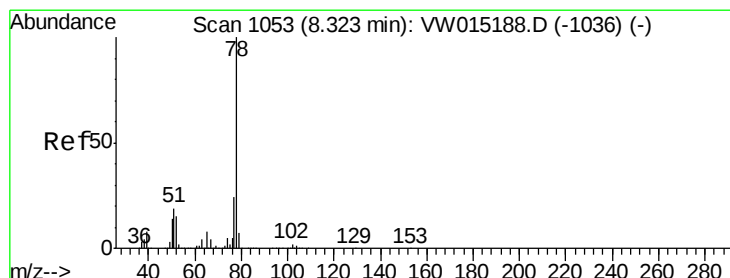
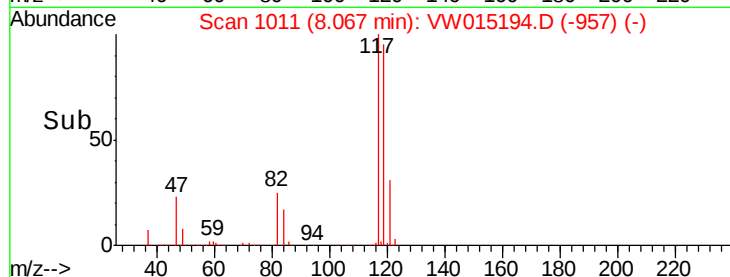
150000

100000

50000

0

Time-->



#34

Benzene

Concen: 24.398 ug/L

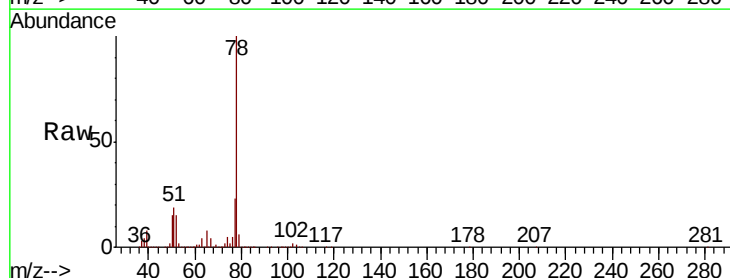
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW015194.D

Acq: 14 Apr 2020 16:44

Tgt Ion: 78 Resp: 1348473



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32

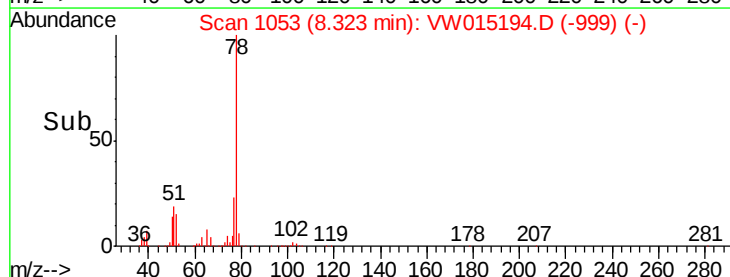
600000

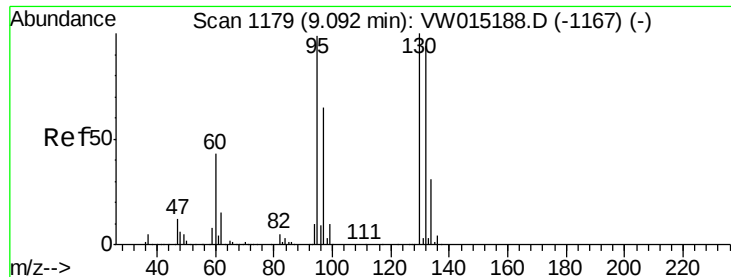
400000

200000

0

Time-->

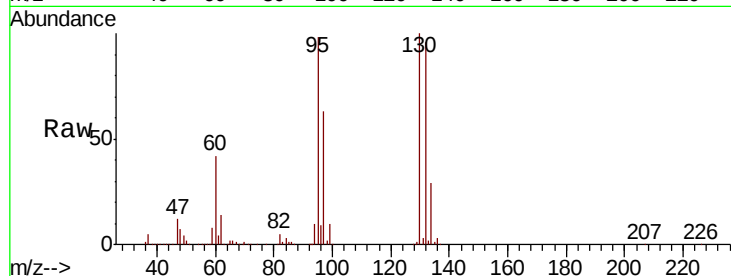




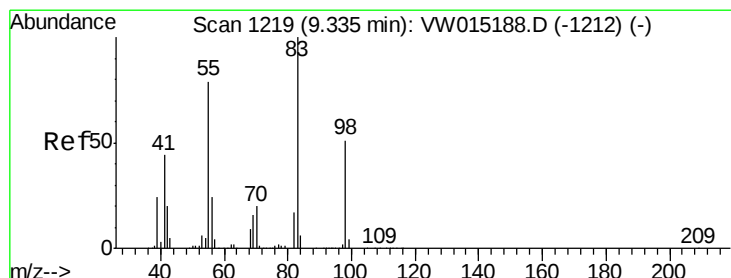
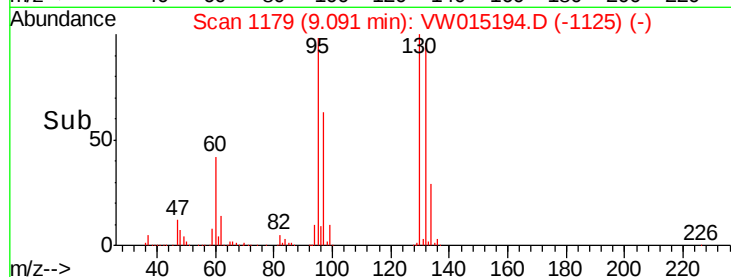
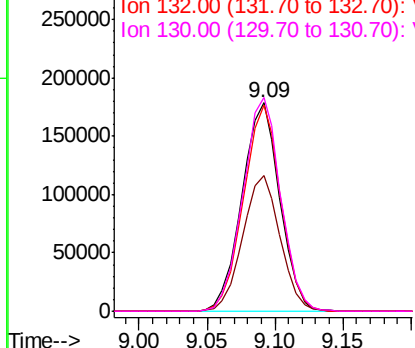
#35
 Trichloroethene
 Concen: 24.351 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW015194.D
 Acq: 14 Apr 2020 16:44

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion: 95 Resp: 348366
 Ion Ratio Lower Upper
 95 100
 97 64.3 45.4 84.2
 132 97.6 67.1 124.5
 130 102.6 70.6 131.0

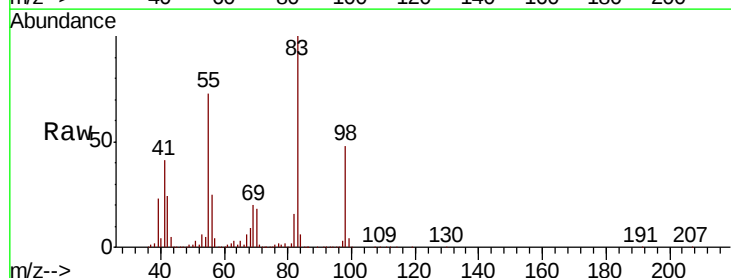


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): VW
 Ion 130.00 (129.70 to 130.70): VW

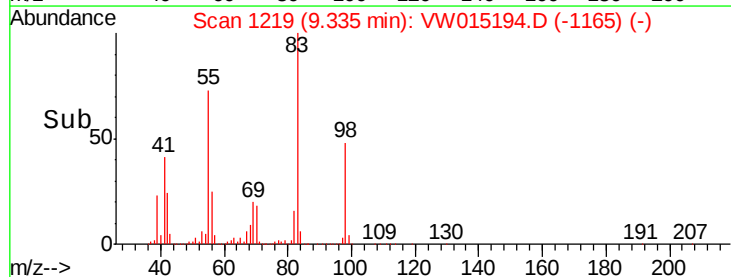
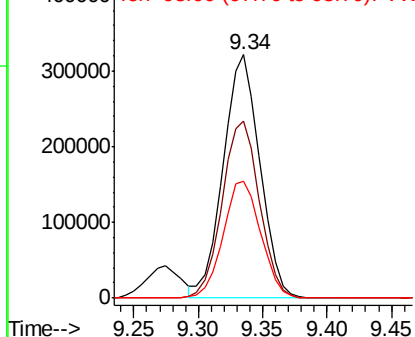


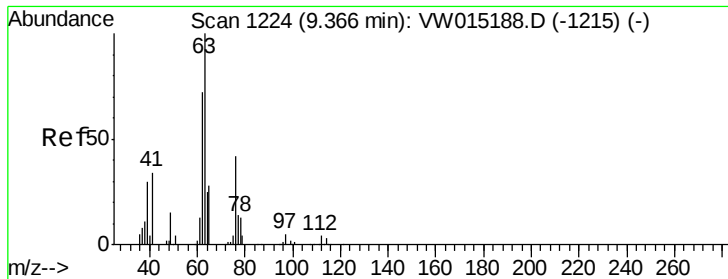
#36
 Methylcyclohexane
 Concen: 24.273 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VW015194.D
 Acq: 14 Apr 2020 16:44

Tgt Ion: 83 Resp: 640767
 Ion Ratio Lower Upper
 83 100
 55 73.5 60.1 90.1
 98 49.3 39.4 59.0



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





#40

1,2-Dichloropropane

Concen: 24.298 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW015194.D

Acq: 14 Apr 2020 16:44

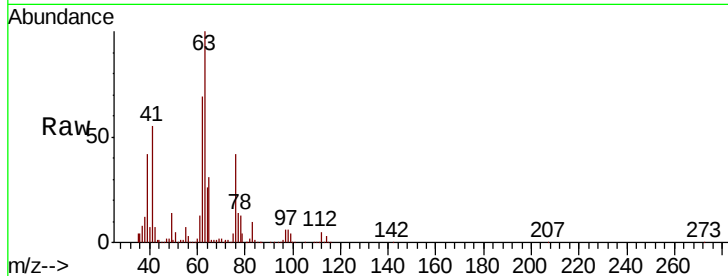
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 63 Resp: 325647

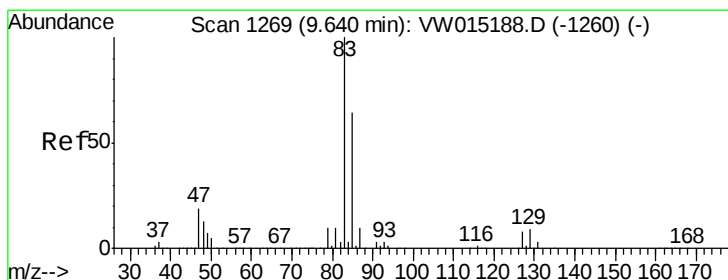
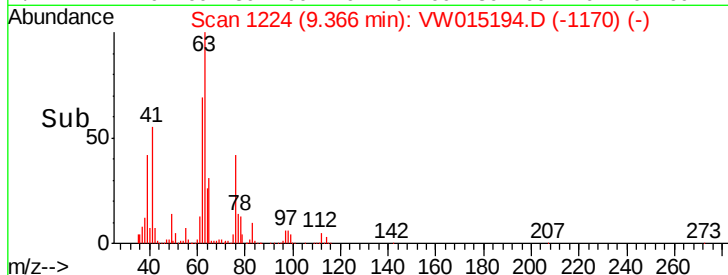
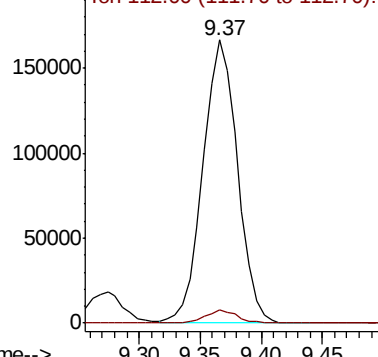
Ion Ratio Lower Upper

63 100

112 4.3 3.5 5.3



Abundance Ion 63.00 (62.70 to 63.70): VW
Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 24.335 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW015194.D

Acq: 14 Apr 2020 16:44

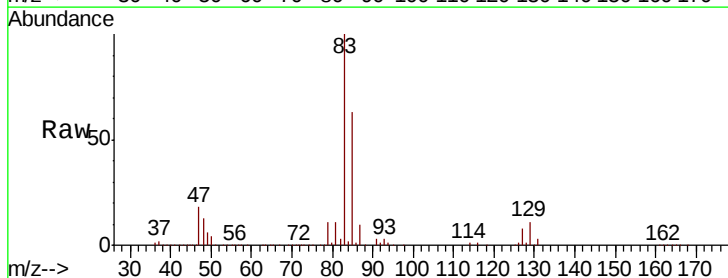
Tgt Ion: 83 Resp: 407144

Ion Ratio Lower Upper

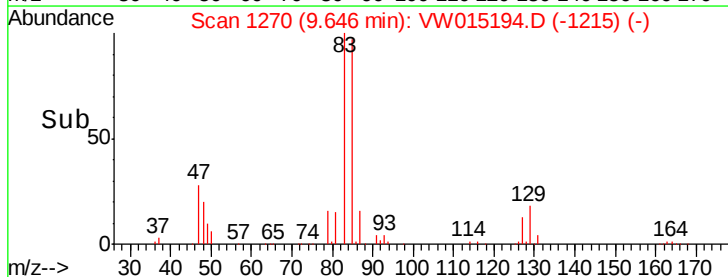
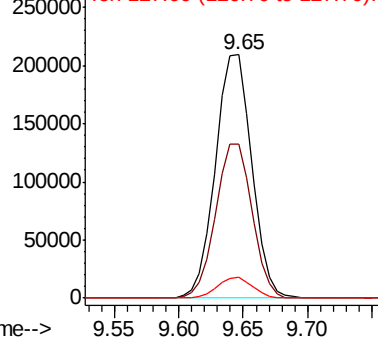
83 100

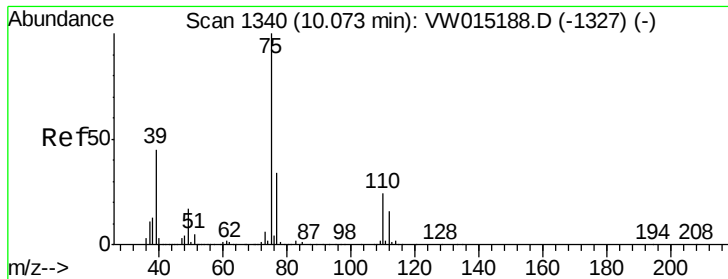
85 63.2 44.4 82.5

127 8.5 6.6 10.0



Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 85.00 (84.70 to 85.70): VW
Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 24.014 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW015194.D

Acq: 14 Apr 2020 16:44

Instrument :

MSVOA_W

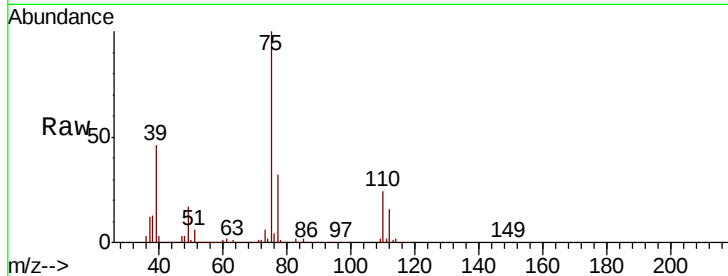
ClientSampled :

Tot Ion: 75 Resp: 506231

Ion Ratio Lower Upper

75 100

77 32.4 23.5 43.7



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.07

250000

200000

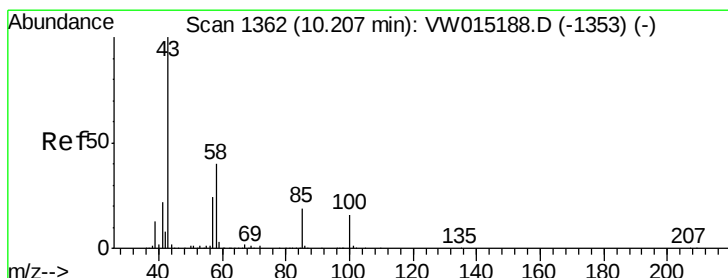
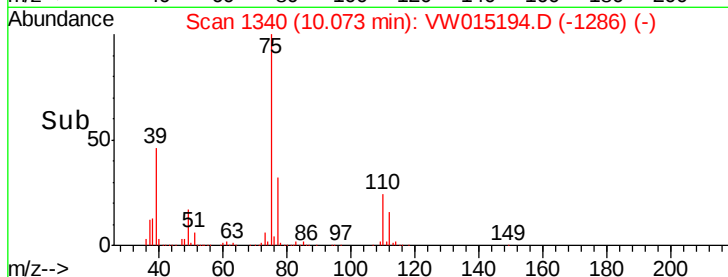
150000

100000

50000

0

Time-->



#43

4-Methyl-2-pentanone

Concen: 42.734 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW015194.D

Acq: 14 Apr 2020 16:44

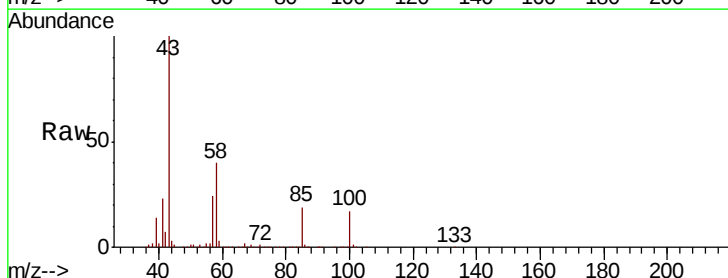
Tgt Ion: 43 Resp: 331470

Ion Ratio Lower Upper

43 100

58 40.3 32.5 48.7

100 17.0 13.0 19.6



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

500000

400000

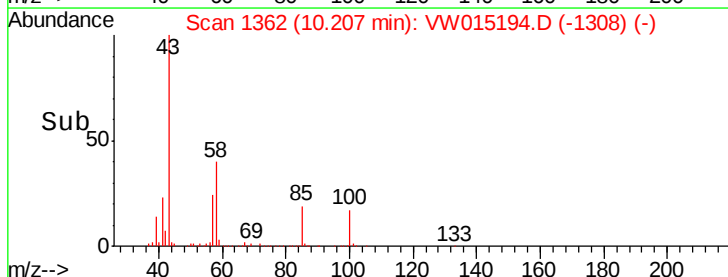
300000

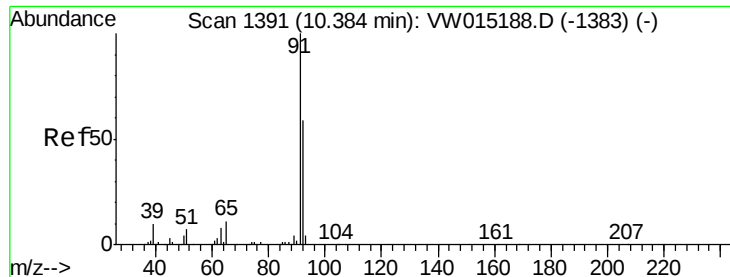
200000

100000

0

Time-->





#44

Toluene

Concen: 24.644 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW015194.D

Acq: 14 Apr 2020 16:44

Instrument :

MSVOA_W

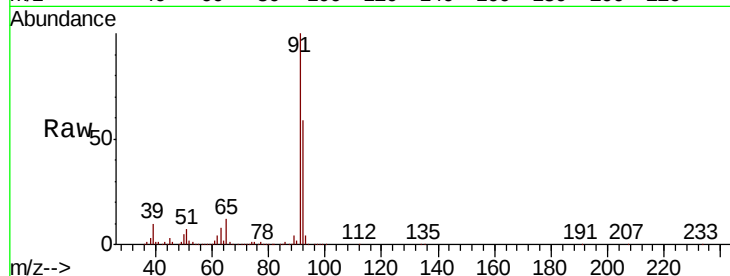
ClientSampleId :

Tot Ion: 91 Resp: 1445764

Ion Ratio Lower Upper

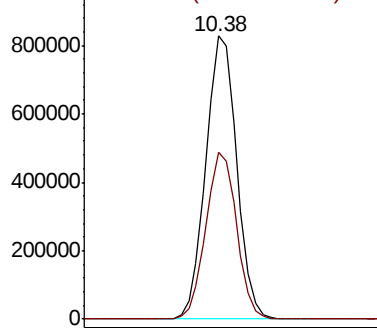
91 100

92 59.0 41.3 76.7

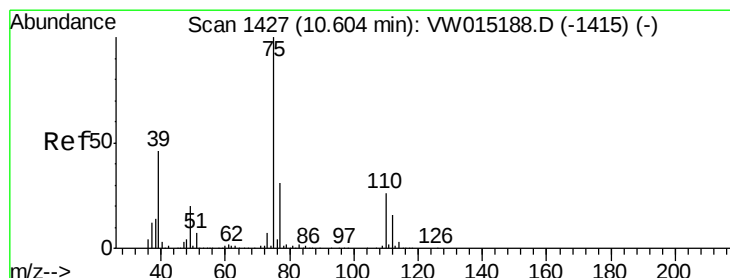
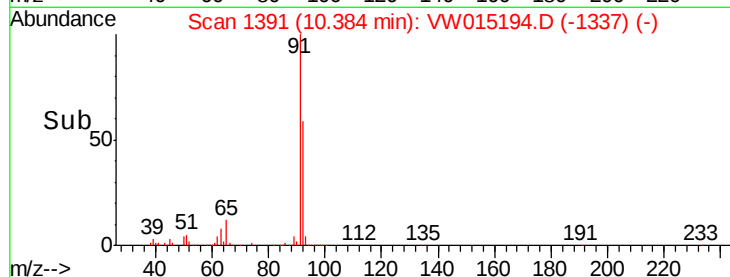


Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW



Time-->



#45

trans-1,3-Dichloropropene

Concen: 23.534 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW015194.D

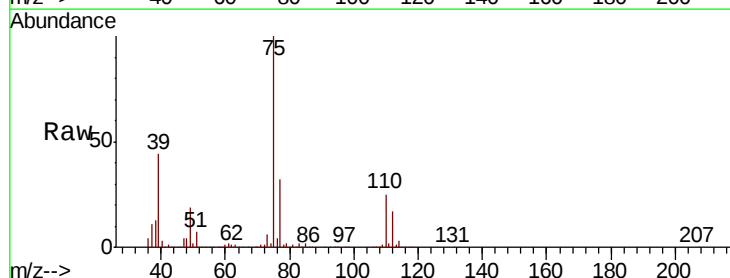
Acq: 14 Apr 2020 16:44

Tgt Ion: 75 Resp: 419687

Ion Ratio Lower Upper

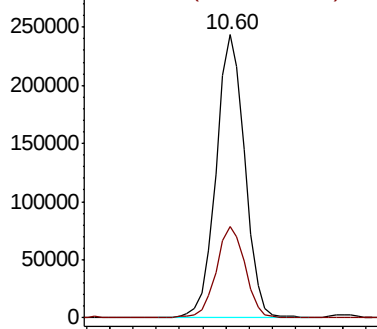
75 100

77 32.2 22.3 41.5

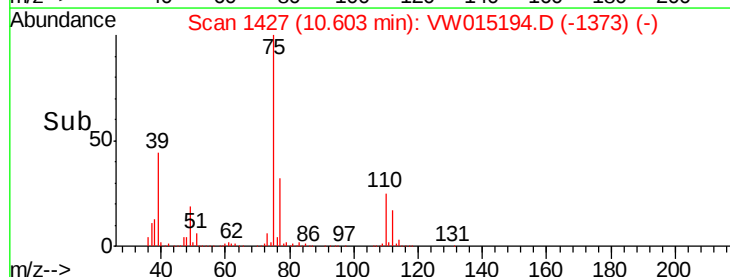


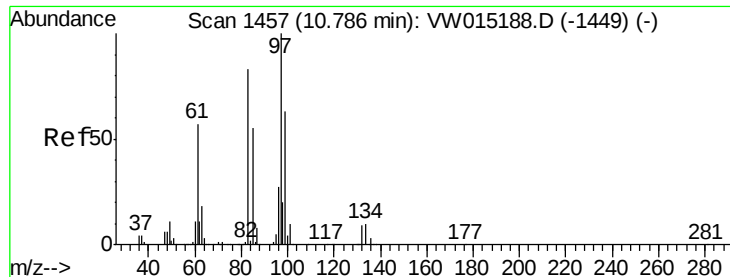
Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



Time-->





#46

1,1,2-Trichloroethane

Concen: 22.947 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW015194.D

Acq: 14 Apr 2020 16:44

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 217623

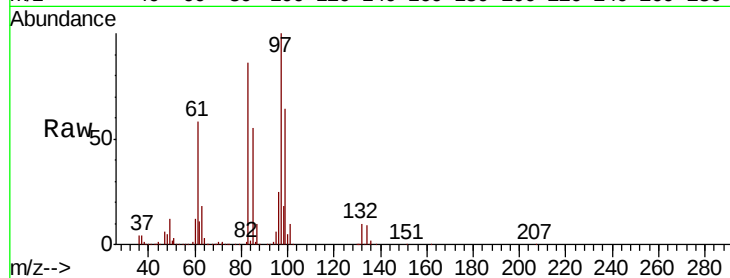
Ion Ratio Lower Upper

97 100

83 86.4 57.9 107.5

85 55.3 38.5 71.5

99 64.0 43.7 81.1

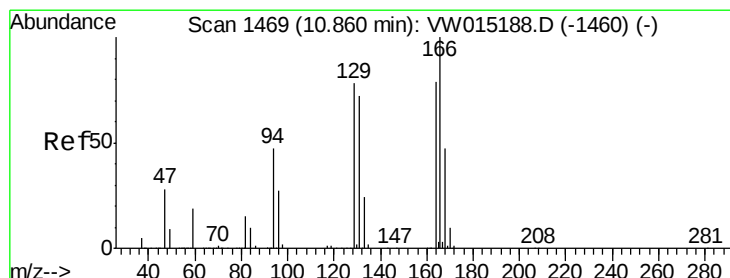
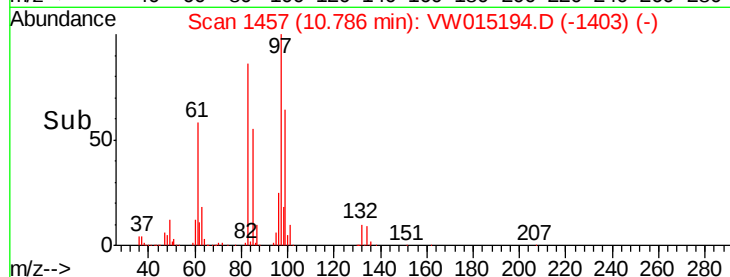
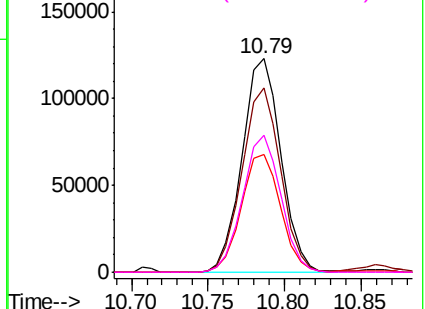


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 24.534 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW015194.D

Acq: 14 Apr 2020 16:44

Tgt Ion: 164 Resp: 266558

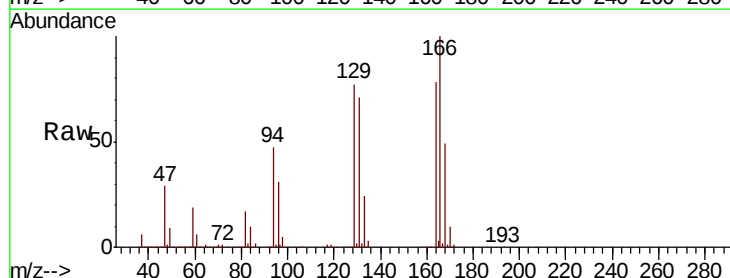
Ion Ratio Lower Upper

164 100

129 98.7 69.4 128.8

131 91.3 63.7 118.3

166 127.9 88.4 164.2

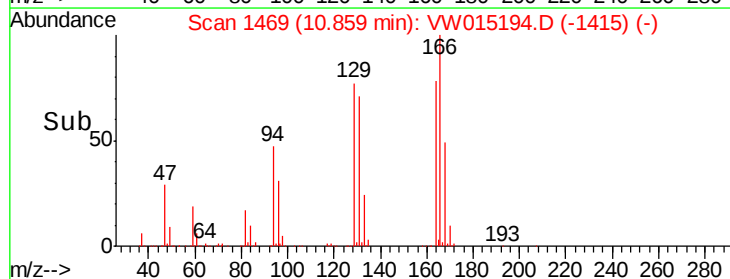
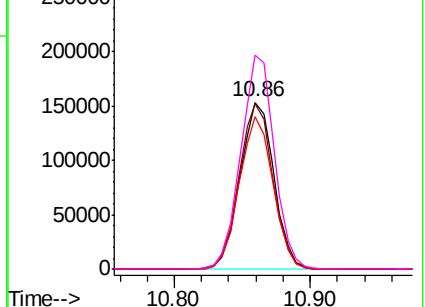


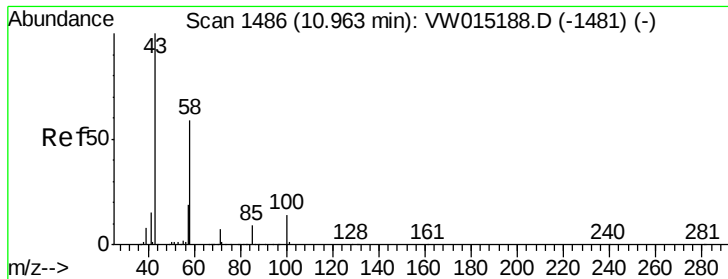
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#49

2-Hexanone

Concen: 42.705 ug/L

RT: 10.96 min Scan# 1486

Delta R.T. -0.00 min

Lab File: VW015194.D

Acq: 14 Apr 2020 16:44

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 218658

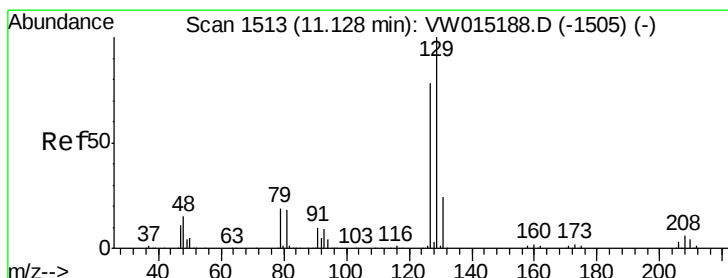
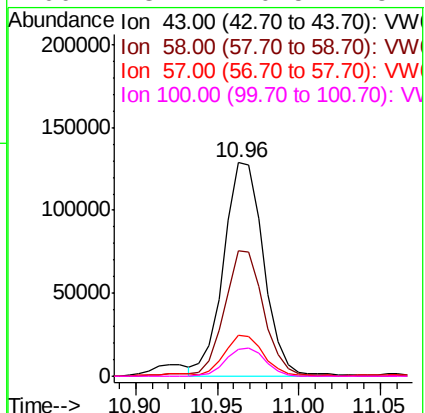
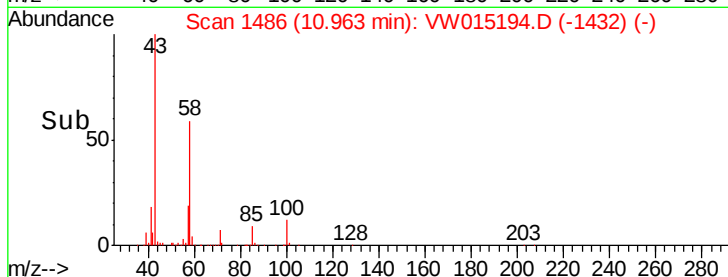
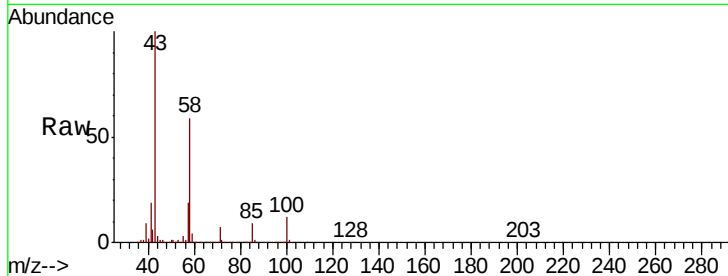
Ion Ratio Lower Upper

43 100

58 57.7 45.8 68.6

57 18.5 15.1 22.7

100 13.2 10.5 15.7



#50

Dibromochloromethane

Concen: 23.436 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW015194.D

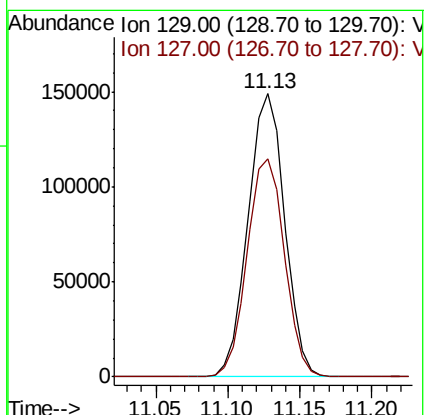
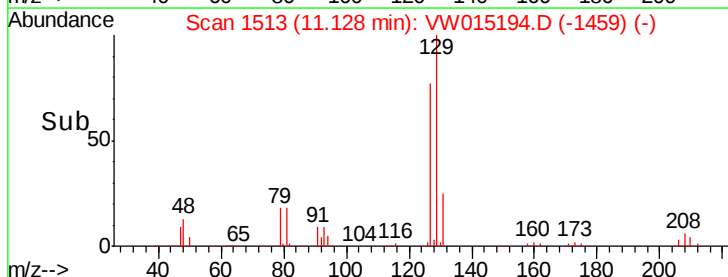
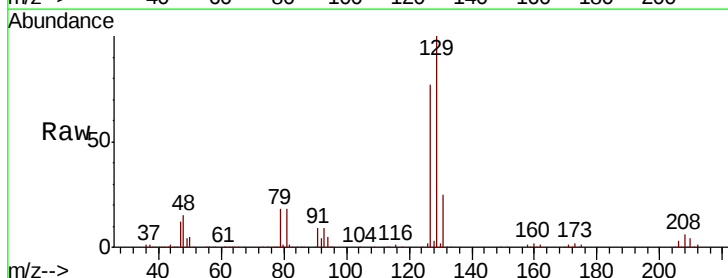
Acq: 14 Apr 2020 16:44

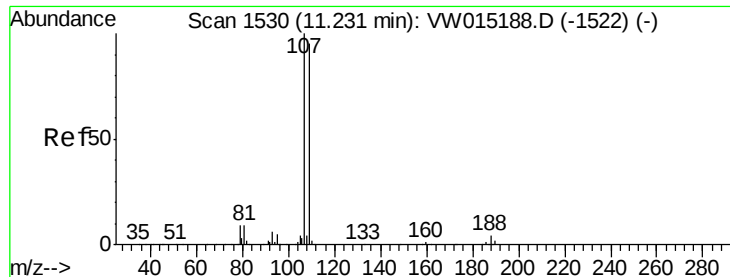
Tgt Ion: 129 Resp: 261483

Ion Ratio Lower Upper

129 100

127 76.9 54.3 100.9

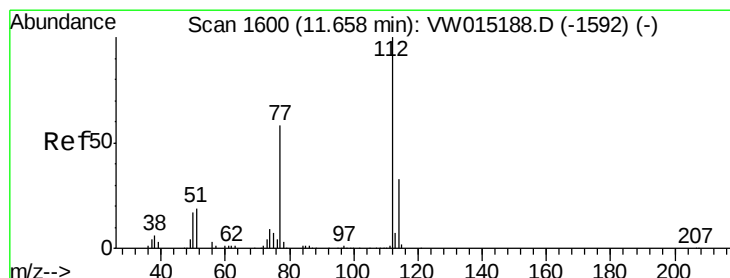
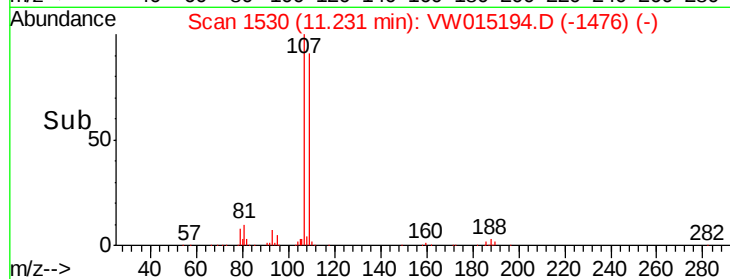
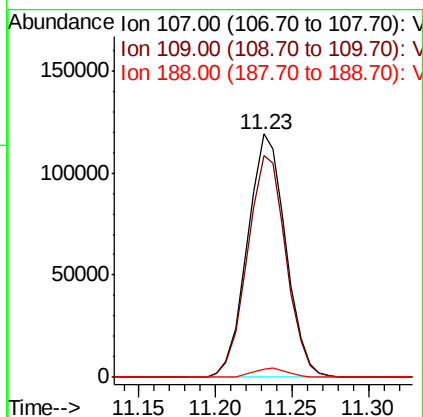
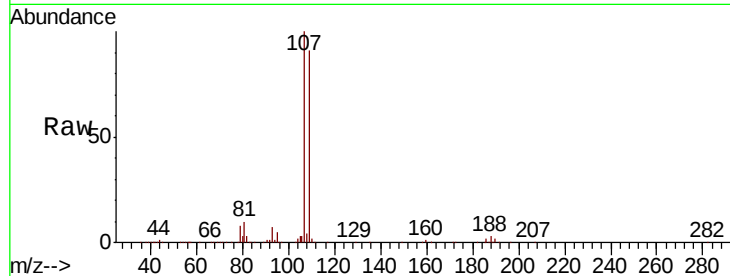




#51
1,2-Dibromoethane
Concen: 23.279 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VW015194.D
Acq: 14 Apr 2020 16:44

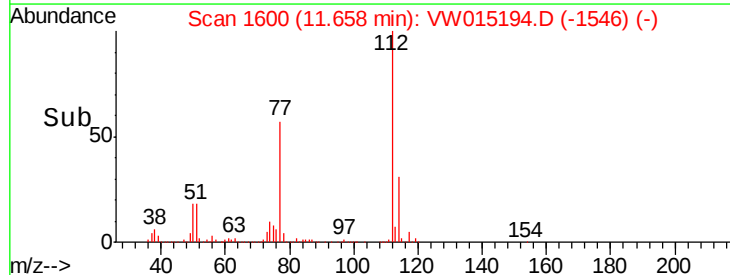
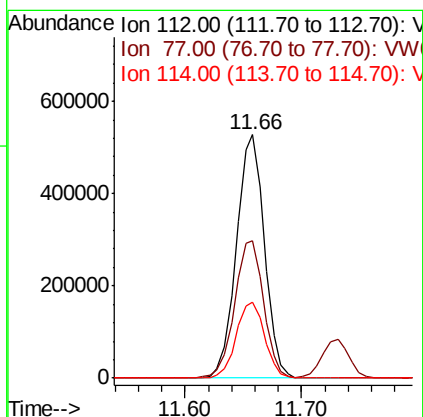
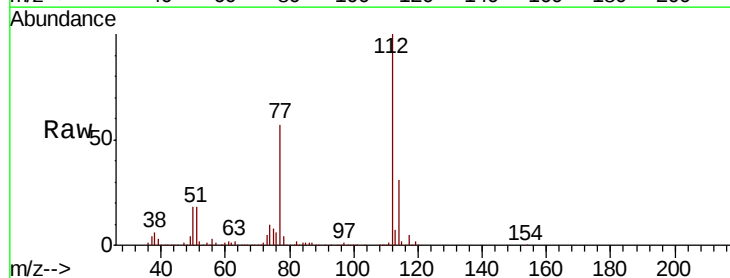
Instrument :
MSVOA_W
ClientSampleId :

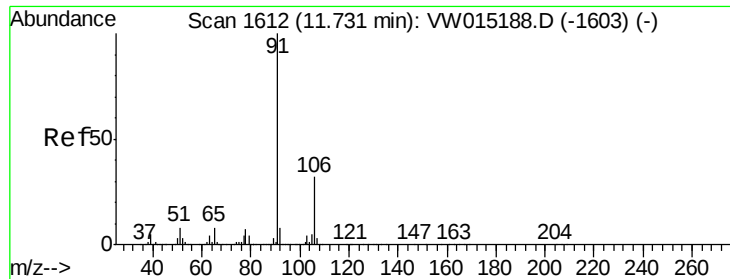
Tot Ion	Ratio	Lower	Upper
107	100		
109	91.2	66.8	124.2
188	3.5	3.0	4.6



#52
Chlorobenzene
Concen: 24.404 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW015194.D
Acq: 14 Apr 2020 16:44

Tgt Ion	Ratio	Lower	Upper
112	100		
77	56.7	46.2	69.4
114	31.3	22.7	42.3

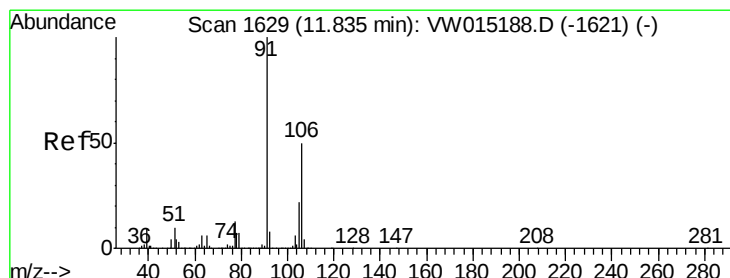
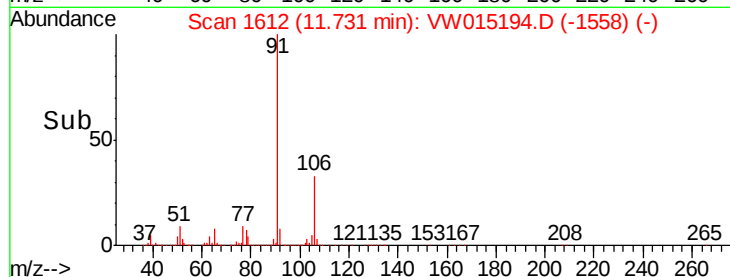
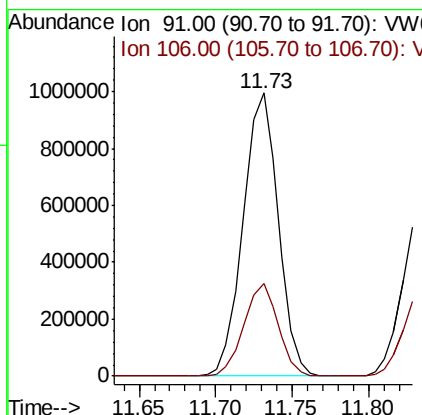
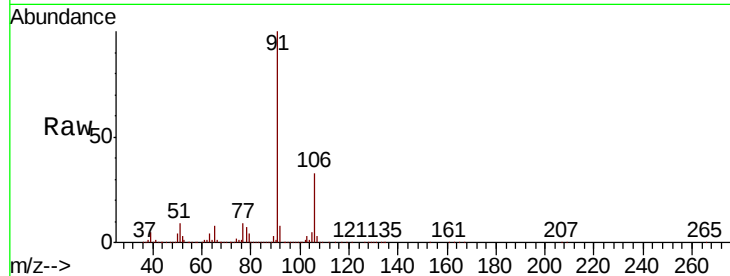




#53
Ethylbenzene
Concen: 24.154 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW015194.D
Acq: 14 Apr 2020 16:44

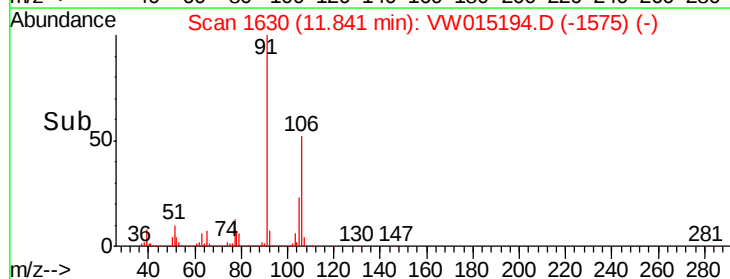
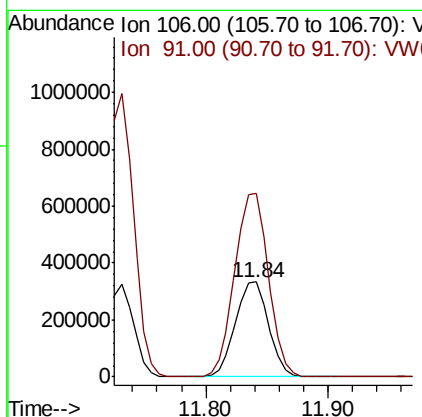
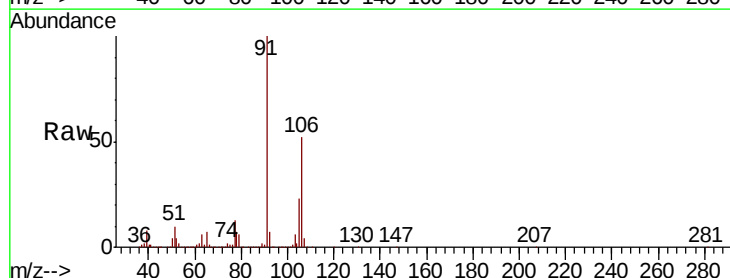
Instrument :
MSVOA_W
ClientSampled :

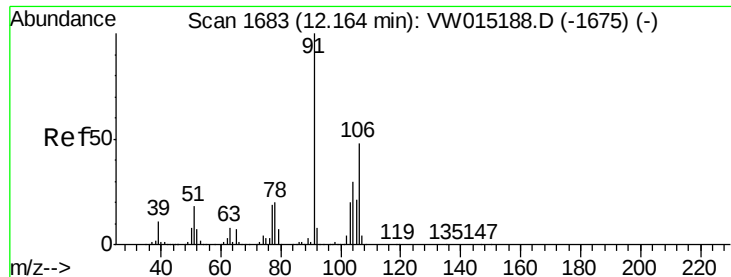
Tot Ion: 91 Resp: 1588730
Ion Ratio Lower Upper
91 100
106 32.9 22.4 41.6



#54
m,p-Xylene
Concen: 24.811 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VW015194.D
Acq: 14 Apr 2020 16:44

Tgt Ion: 106 Resp: 628266
Ion Ratio Lower Upper
106 100
91 193.0 141.0 261.8





#55

o-xylene

Concen: 24.182 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW015194.D

Acq: 14 Apr 2020 16:44

Instrument :

MSVOA_W

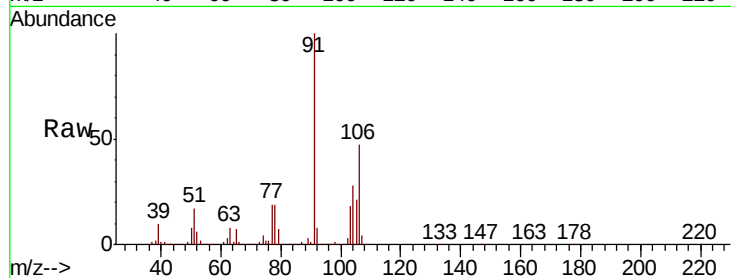
ClientSampled :

Tot Ion:106 Resp: 586330

Ion Ratio Lower Upper

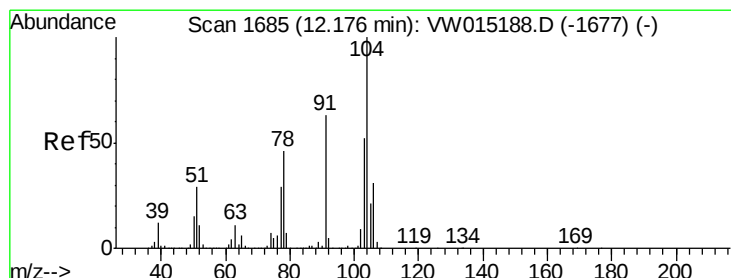
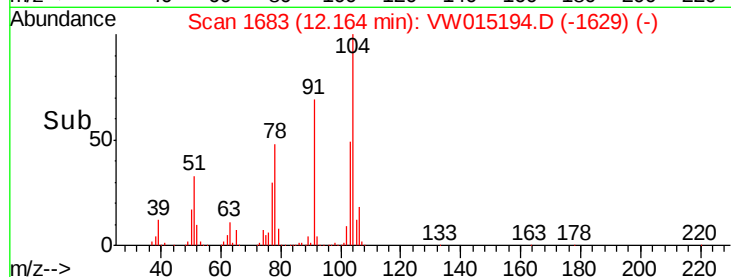
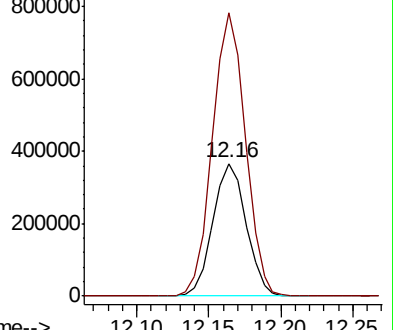
106 100

91 212.9 145.7 270.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 24.215 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VW015194.D

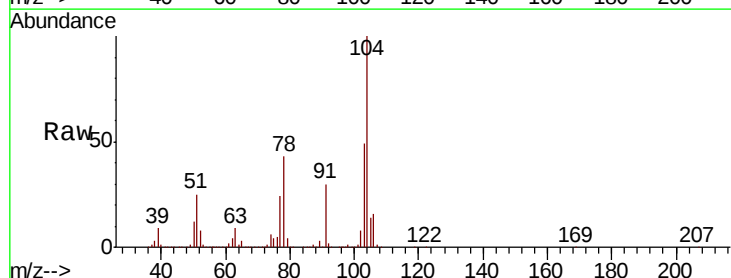
Acq: 14 Apr 2020 16:44

Tgt Ion:104 Resp: 981015

Ion Ratio Lower Upper

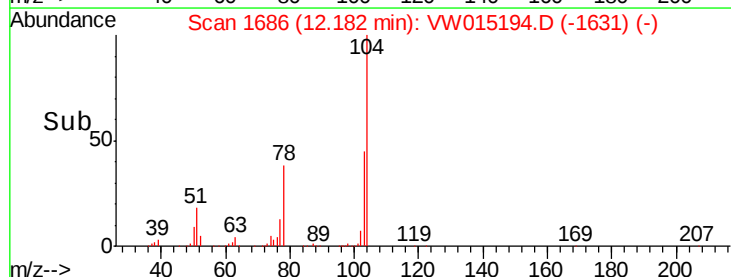
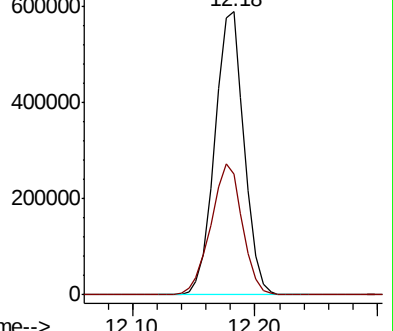
104 100

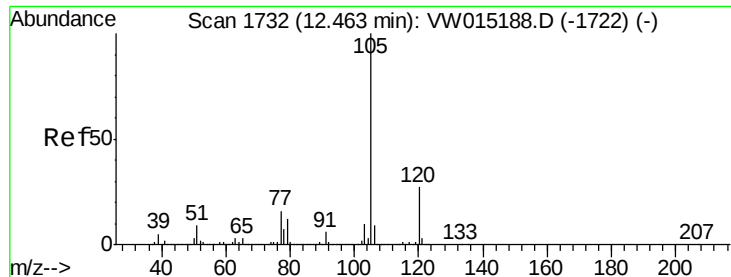
78 42.7 32.3 59.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 24.328 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW015194.D

Acq: 14 Apr 2020 16:44

Instrument :

MSVOA_W

ClientSampled :

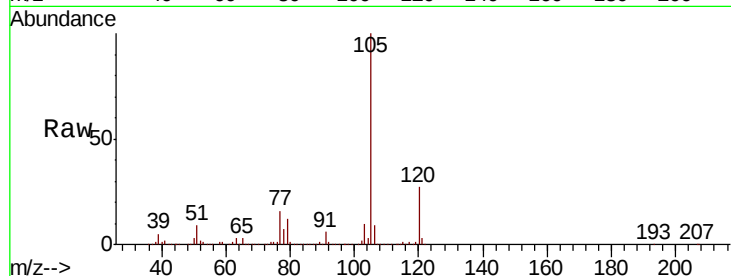
Tot Ion:105 Resp: 1584651

Ion Ratio Lower Upper

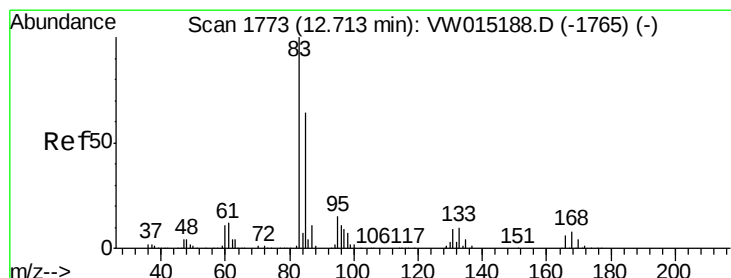
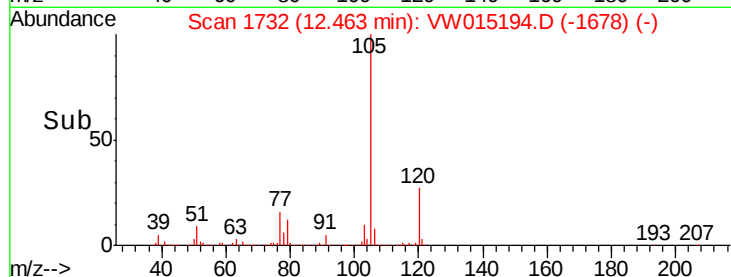
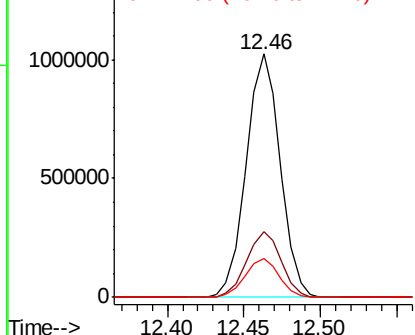
105 100

120 27.1 21.4 32.2

77 15.8 12.4 18.6



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: 21.956 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW015194.D

Acq: 14 Apr 2020 16:44

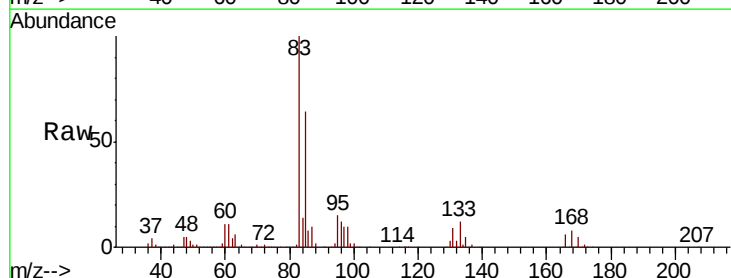
Tgt Ion: 83 Resp: 238856

Ion Ratio Lower Upper

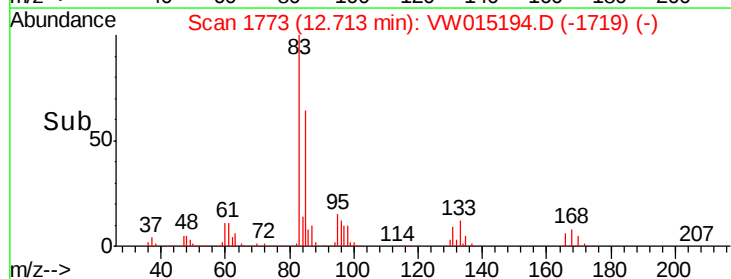
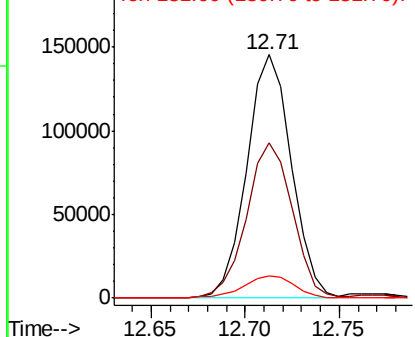
83 100

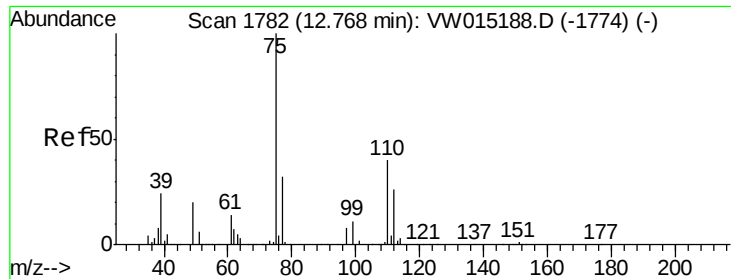
85 64.0 44.7 83.1

131 9.3 7.0 10.6



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: 21.561 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW015194.D

Acq: 14 Apr 2020 16:44

Instrument :

MSVOA_W

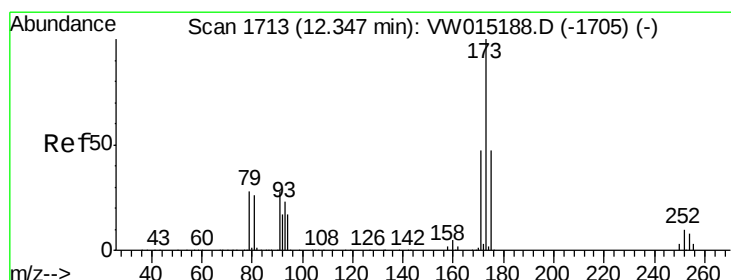
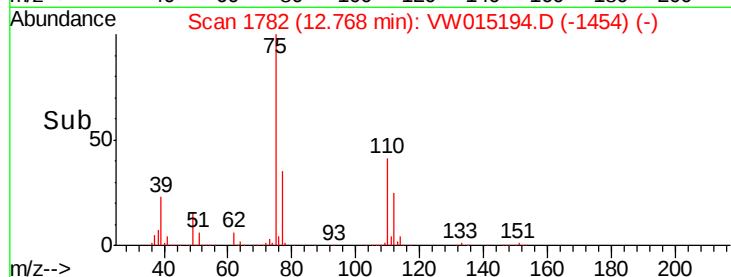
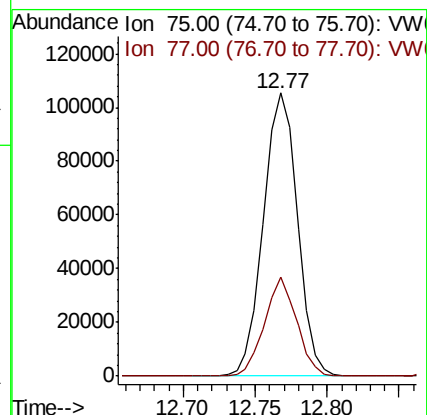
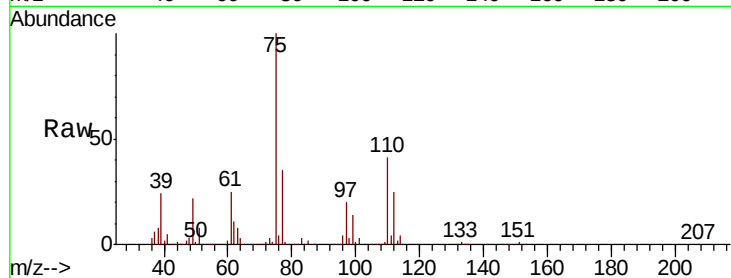
ClientSampled :

Tot Ion: 75 Resp: 172535

Ion Ratio Lower Upper

75 100

77 33.0 26.3 39.5



#62

Bromoform

Concen: 22.114 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW015194.D

Acq: 14 Apr 2020 16:44

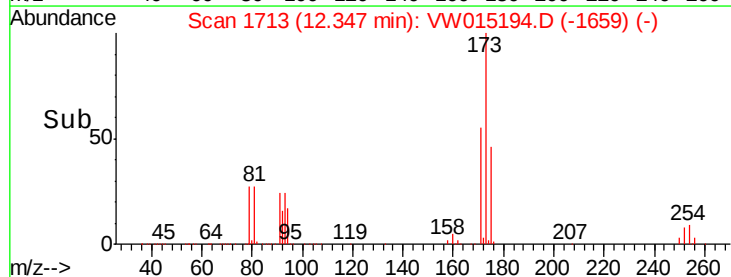
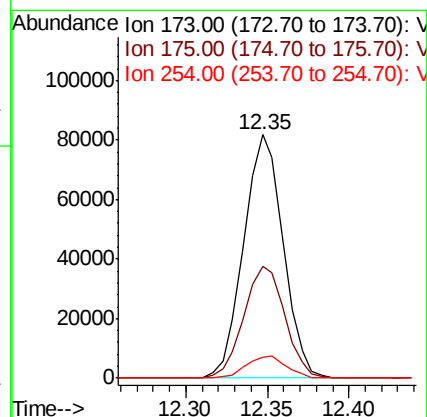
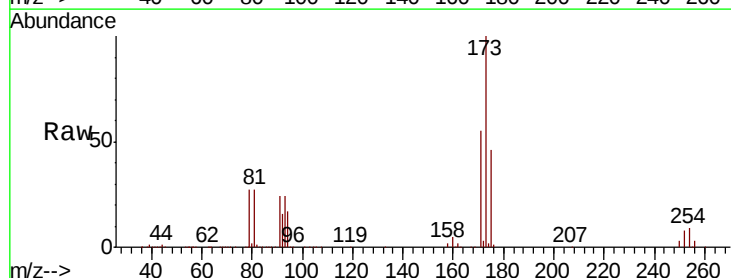
Tgt Ion:173 Resp: 138305

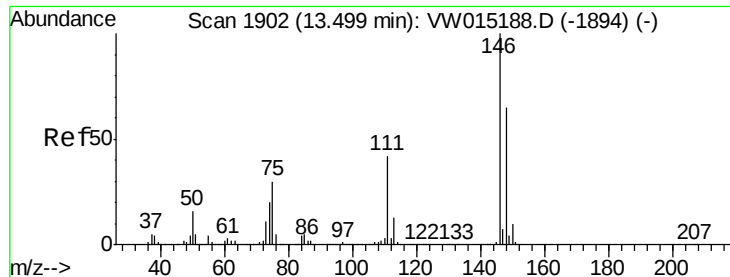
Ion Ratio Lower Upper

173 100

175 47.8 38.4 57.6

254 9.2 7.3 10.9

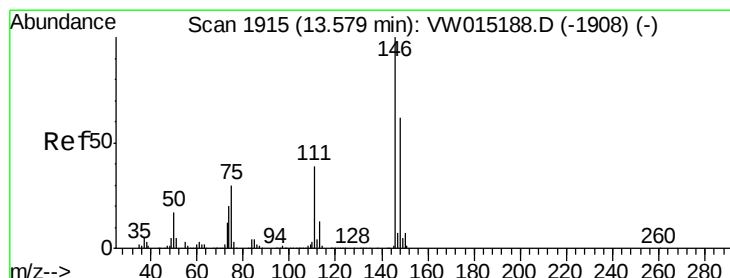
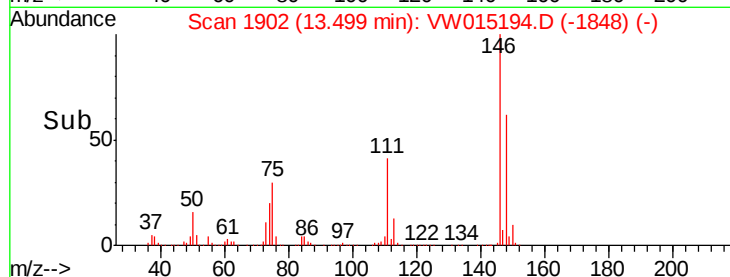
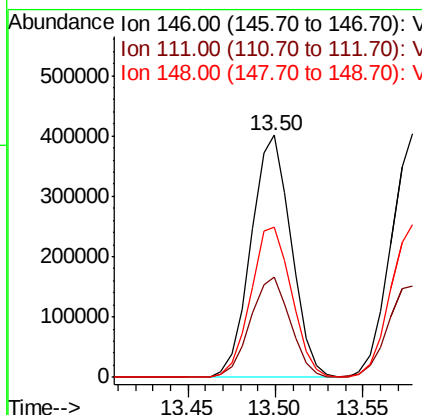
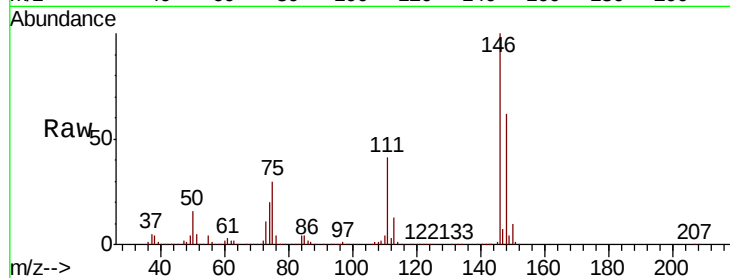




#63
 1,3-Dichlorobenzene
 Concen: 24.067 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW015194.D
 Acq: 14 Apr 2020 16:44

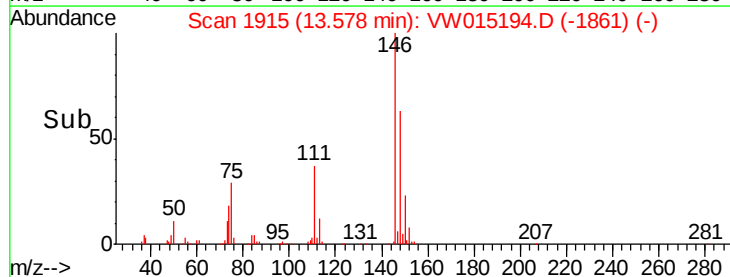
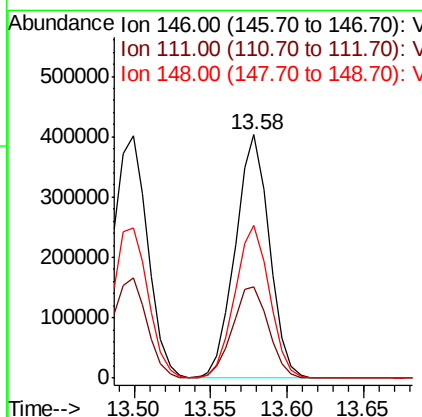
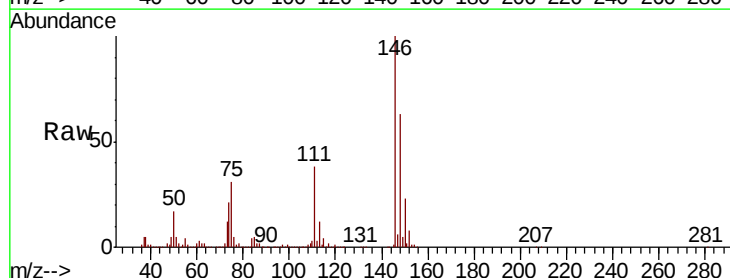
Instrument :
 MSVOA_W
 ClientSampleId :

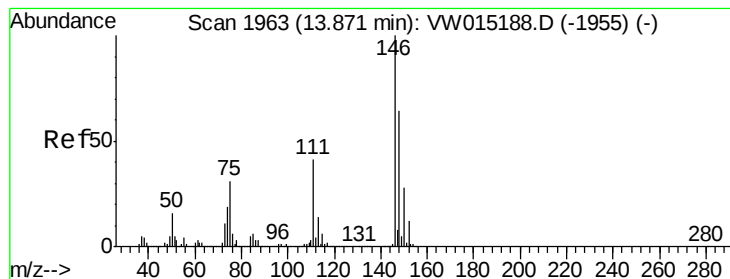
Tot Ion:146 Resp: 639054
 Ion Ratio Lower Upper
 146 100
 111 41.2 29.3 54.3
 148 62.0 45.7 84.9



#64
 1,4-Dichlorobenzene
 Concen: 24.025 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW015194.D
 Acq: 14 Apr 2020 16:44

Tgt Ion:146 Resp: 623736
 Ion Ratio Lower Upper
 146 100
 111 37.5 27.6 51.2
 148 62.8 43.6 81.0





#65

1,2-Dichlorobenzene

Concen: 23.645 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW015194.D

Acq: 14 Apr 2020 16:44

Instrument :

MSVOA_W

ClientSampleId :

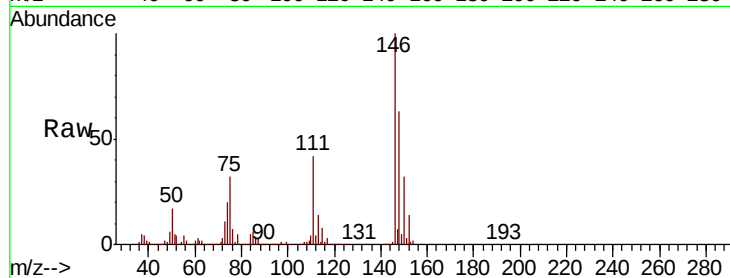
Tot Ion:146 Resp: 556888

Ion Ratio Lower Upper

146 100

111 42.5 33.0 49.4

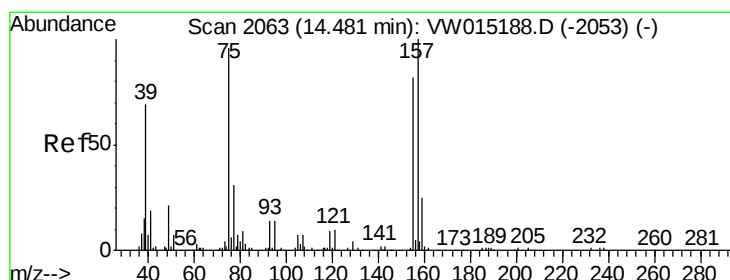
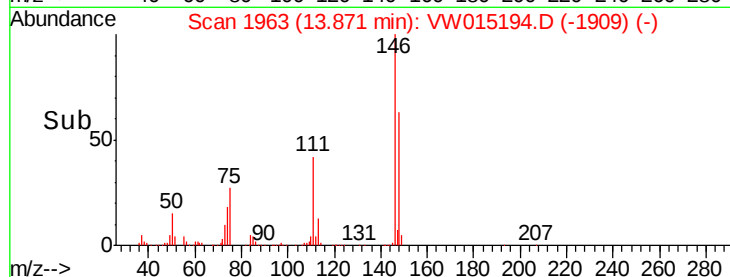
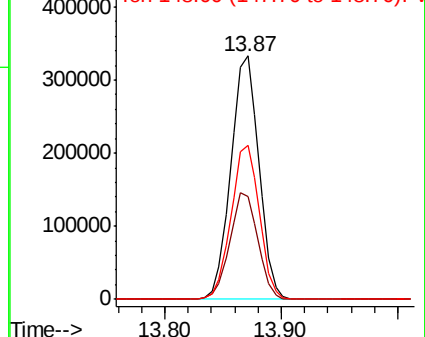
148 63.2 51.5 77.3



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: 20.833 ug/L

RT: 14.48 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VW015194.D

Acq: 14 Apr 2020 16:44

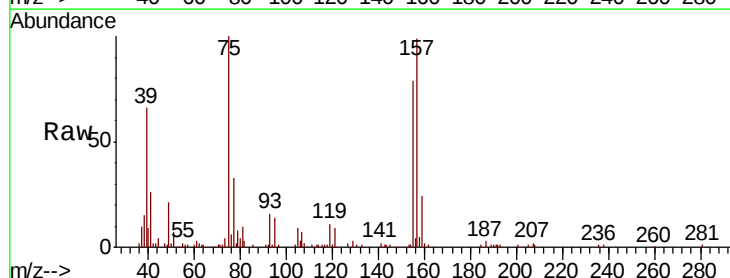
Tgt Ion: 75 Resp: 37181

Ion Ratio Lower Upper

75 100

157 99.2 83.4 125.2

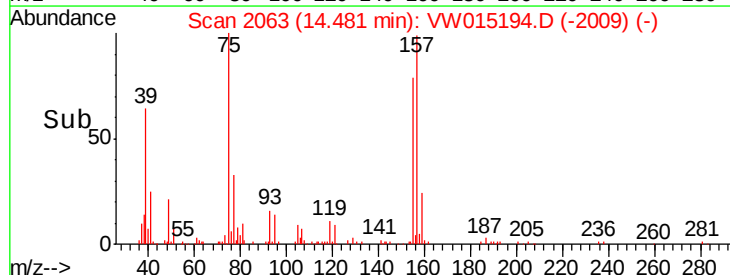
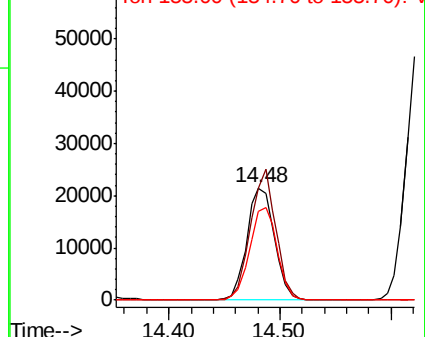
155 78.5 68.7 103.1

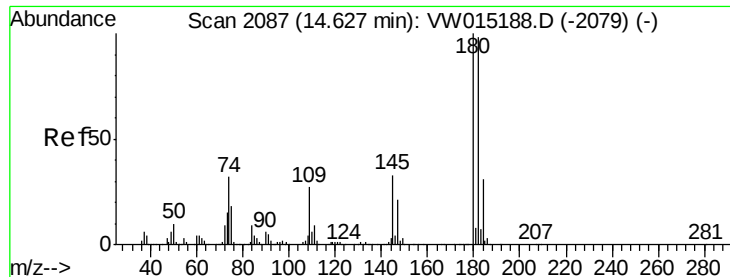


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

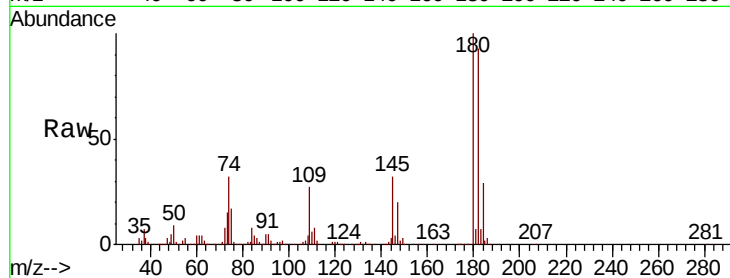




#67
 1,3,5-Trichlorobenzene
 Concen: 24.237 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW015194.D
 Acq: 14 Apr 2020 16:44

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.6	78.0	117.0
184	30.2	24.1	36.1
145	30.9	25.5	38.3



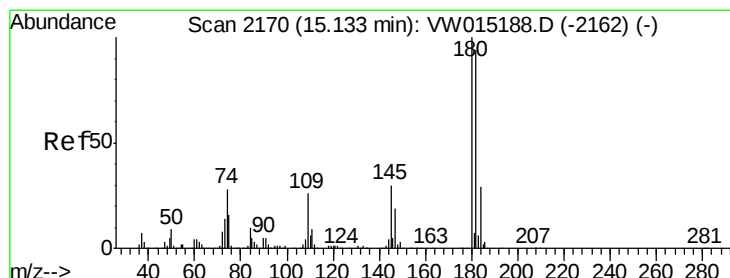
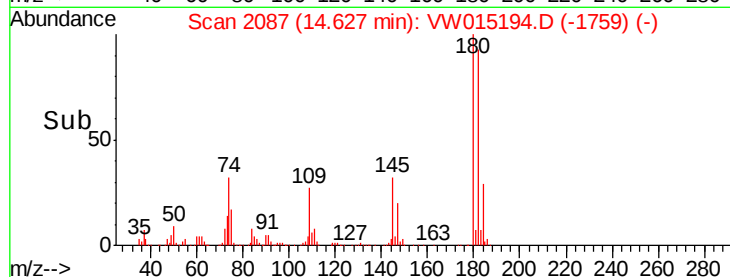
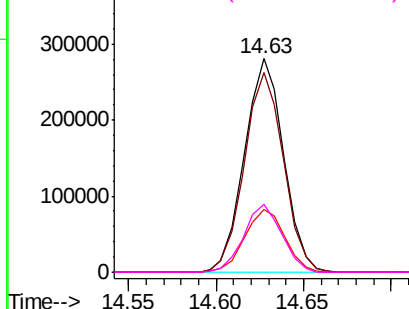
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

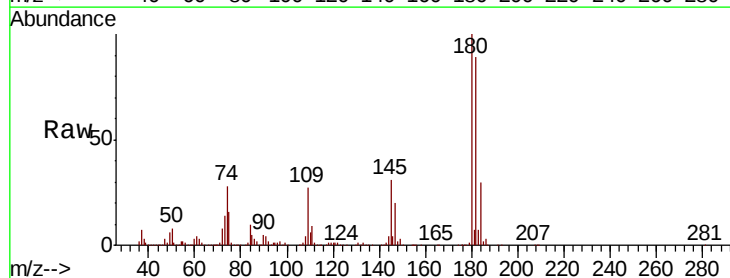
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 23.308 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW015194.D
 Acq: 14 Apr 2020 16:44

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.9	74.6	111.8
145	32.0	25.4	38.2

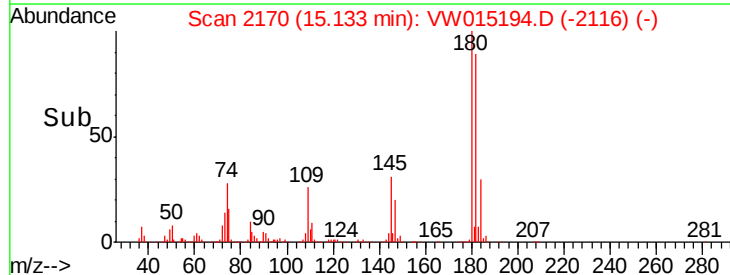
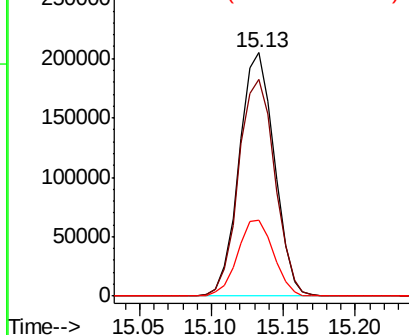


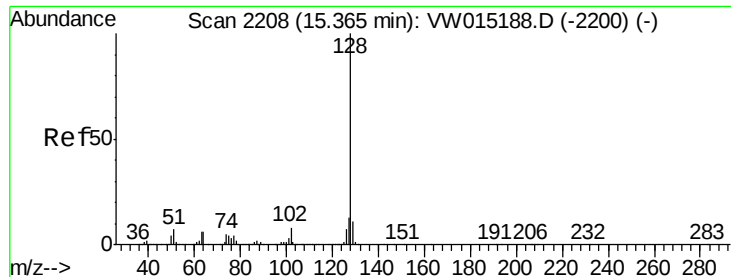
Abundance

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: 21.414 ug/L

RT: 15.36 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VW015194.D

Acq: 14 Apr 2020 16:44

Instrument :

MSVOA_W

ClientSampleId :

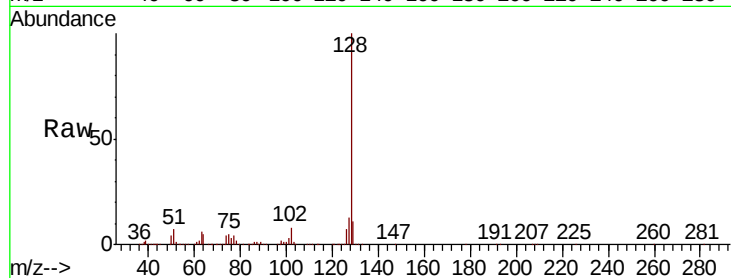
Tot Ion:128 Resp: 637965

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

127 13.0 10.2 15.2

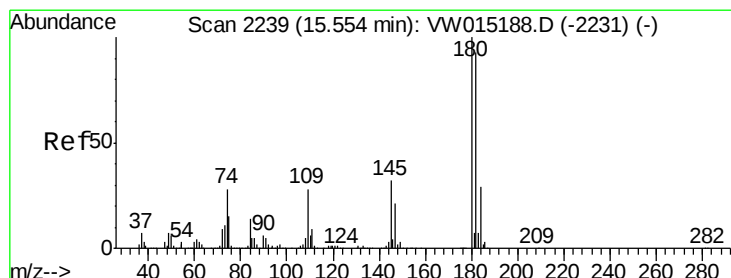
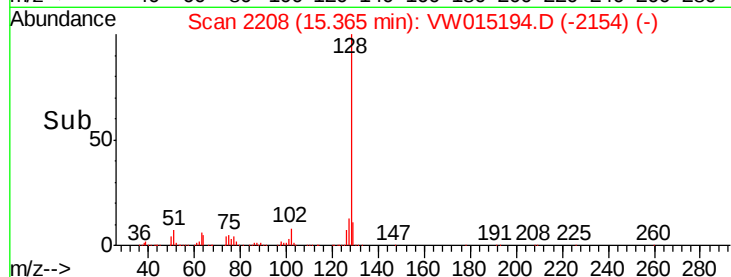
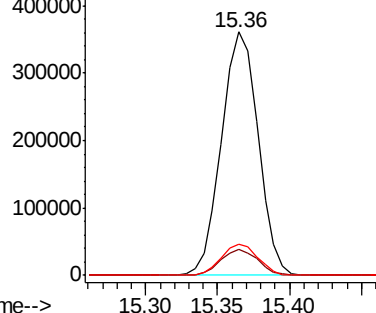


Abundance

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: 22.274 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW015194.D

Acq: 14 Apr 2020 16:44

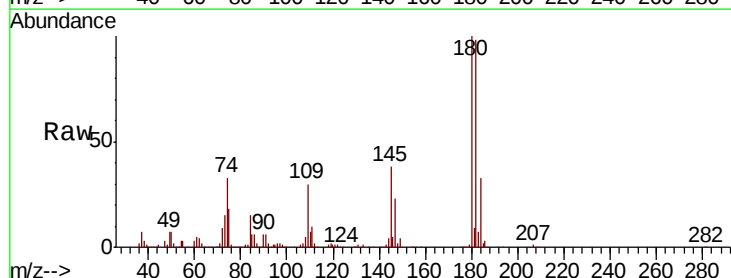
Tgt Ion:180 Resp: 283973

Ion Ratio Lower Upper

180 100

182 93.6 75.6 113.4

145 34.9 27.4 41.0



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

