

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012320\
 Data File : VW014721.D
 Acq On : 23 Jan 2020 13:10
 Operator : SY/VA
 Sample : VW0123BSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 24 04:10:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 03 16:07:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	638385	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	958471	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	842169	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	412279	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	317950	56.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.94%	
35) Dibromofluoromethane	7.88	113	306178	55.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.78%	
50) Toluene-d8	10.32	98	1231628	53.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.76%	
62) 4-Bromofluorobenzene	12.62	95	419624	54.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	80572	22.353	ug/l	93
3) Chloromethane	2.21	50	116898	26.496	ug/l	98
4) Vinyl Chloride	2.35	62	163958	25.266	ug/l	100
5) Bromomethane	2.75	94	95565	23.839	ug/l	98
6) Chloroethane	2.91	64	91432	24.717	ug/l	99
7) Trichlorofluoromethane	3.25	101	85015	26.185	ug/l	97
8) Diethyl Ether	3.67	74	73932	22.886	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	146614	24.168	ug/l	98
10) Methyl Iodide	4.27	142	206241	22.532	ug/l	97
11) Tert butyl alcohol	5.16	59	55408	116.505	ug/l	99
12) 1,1-Dichloroethene	4.03	96	145741	22.941	ug/l	95
13) Acrolein	3.89	56	49042	100.670	ug/l	100
14) Allyl chloride	4.66	41	240324	24.755	ug/l	98
15) Acrylonitrile	5.36	53	175295	118.714	ug/l	100
16) Acetone	4.12	43	166663	105.749	ug/l	95
17) Carbon Disulfide	4.38	76	441347	23.050	ug/l	98
18) Methyl Acetate	4.66	43	91464	24.030	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	195453	24.785	ug/l	98
20) Methylene Chloride	4.92	84	178533	25.822	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	156961	23.269	ug/l	94
22) Diisopropyl ether	6.31	45	463397	25.502	ug/l	98
23) Vinyl Acetate	6.25	43	1334632	121.630	ug/l	98
24) 1,1-Dichloroethane	6.21	63	281828	24.588	ug/l	99
25) 2-Butanone	7.17	43	234710	116.046	ug/l	99
26) 2,2-Dichloropropane	7.16	77	156650	24.685	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	165701	23.378	ug/l	95
28) Bromochloromethane	7.51	49	102951	22.910	ug/l	90
29) Tetrahydrofuran	7.52	42	145527	116.144	ug/l	98
30) Chloroform	7.67	83	264341	24.662	ug/l	97
31) Cyclohexane	7.95	56	279287	23.446	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	214856	24.924	ug/l	98
36) 1,1-Dichloropropene	8.07	75	218964	23.697	ug/l	99
37) Ethyl Acetate	7.24	43	101007	24.103	ug/l	98
38) Carbon Tetrachloride	8.06	117	192157	23.971	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012320\
 Data File : VW014721.D
 Acq On : 23 Jan 2020 13:10
 Operator : SY/VA
 Sample : VW0123BSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 24 04:10:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 03 16:07:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	270333	22.798	ug/l	96
40) Benzene	8.32	78	634406	24.266	ug/l	100
41) Methacrylonitrile	7.48	41	54806	23.461	ug/l	96
42) 1,2-Dichloroethane	8.40	62	169586	24.996	ug/l	98
43) Isopropyl Acetate	8.42	43	184090	24.191	ug/l	98
44) Trichloroethene	9.09	130	162490	22.969	ug/l	99
45) 1,2-Dichloropropane	9.37	63	156573	24.406	ug/l	97
46) Dibromomethane	9.46	93	73653	23.256	ug/l	97
47) Bromodichloromethane	9.64	83	186075	23.798	ug/l	98
48) Methyl methacrylate	9.43	41	79156	21.305	ug/l	92
49) 1,4-Dioxane	9.44	88	27676	467.223	ug/l	93
51) 4-Methyl-2-Pentanone	10.21	43	474746	120.134	ug/l	98
52) Toluene	10.38	92	389802	23.700	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	185886	22.961	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	230997	23.346	ug/l	96
55) 1,1,2-Trichloroethane	10.78	97	105662	22.844	ug/l	98
56) Ethyl methacrylate	10.64	69	136698	22.741	ug/l	96
57) 1,3-Dichloropropane	10.93	76	192500	23.680	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	210756	115.280	ug/l	97
59) 2-Hexanone	10.96	43	323923	118.952	ug/l	96
60) Dibromochloromethane	11.12	129	119308	22.861	ug/l	99
61) 1,2-Dibromoethane	11.23	107	100252	22.833	ug/l	100
64) Tetrachloroethene	10.86	164	137014	22.472	ug/l	99
65) Chlorobenzene	11.65	112	394283	22.852	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	133256	22.939	ug/l	100
67) Ethyl Benzene	11.73	91	725619	23.337	ug/l	97
68) m/p-Xylenes	11.83	106	554638	46.608	ug/l	99
69) o-Xylene	12.16	106	249157	22.666	ug/l	98
70) Styrene	12.18	104	429321	23.091	ug/l	99
71) Bromoform	12.35	173	68620	21.656	ug/l #	98
73) Isopropylbenzene	12.46	105	691694	22.865	ug/l	99
74) N-amyl acetate	12.27	43	159830	23.564	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.71	83	126131	23.100	ug/l	100
76) 1,2,3-Trichloropropane	12.76	75	159202	40.842	ug/l #	100
77) Bromobenzene	12.74	156	157760	22.454	ug/l	96
78) n-propylbenzene	12.80	91	841320	23.651	ug/l	99
79) 2-Chlorotoluene	12.89	91	473202	23.376	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	593800	23.378	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	37975	21.706	ug/l	94
82) 4-Chlorotoluene	12.99	91	493330	23.457	ug/l	99
83) tert-Butylbenzene	13.20	119	507782	22.834	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	588857	23.297	ug/l	98
85) sec-Butylbenzene	13.38	105	719102	23.361	ug/l	100
86) p-Isopropyltoluene	13.49	119	648220	23.103	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	310916	22.757	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	305442	22.645	ug/l	98
89) n-Butylbenzene	13.82	91	607790	23.327	ug/l	98
90) Hexachloroethane	14.09	117	112636	22.980	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	276682	23.041	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	20232	23.399	ug/l	88

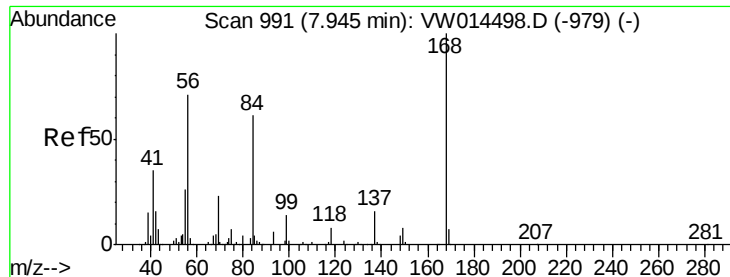
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012320\
 Data File : VW014721.D
 Acq On : 23 Jan 2020 13:10
 Operator : SY/VA
 Sample : VW0123SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 24 04:10:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 03 16:07:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	174298	21.494	ug/l	98
94) Hexachlorobutadiene	15.23	225	118160	21.743	ug/l	99
95) Naphthalene	15.36	128	286016	20.681	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	151205	21.391	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW014721.D

Acq: 23 Jan 2020 13:10

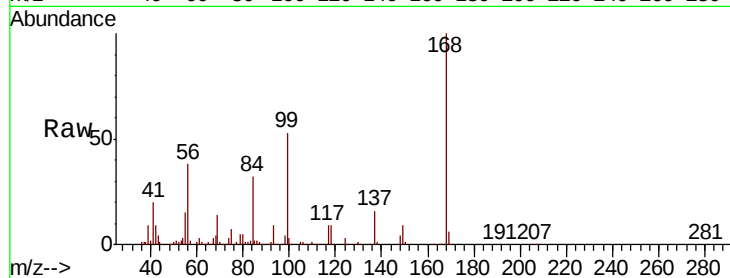
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 638385

Ion Ratio Lower Upper

168 100

99 52.8 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

300000

250000

200000

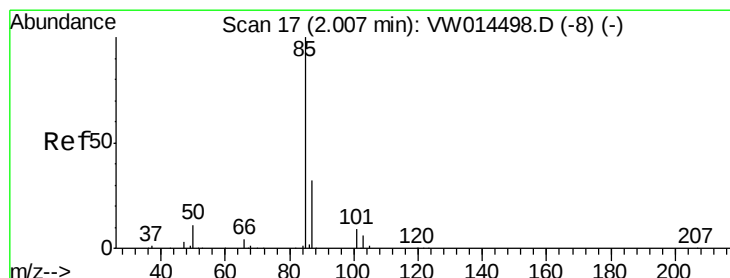
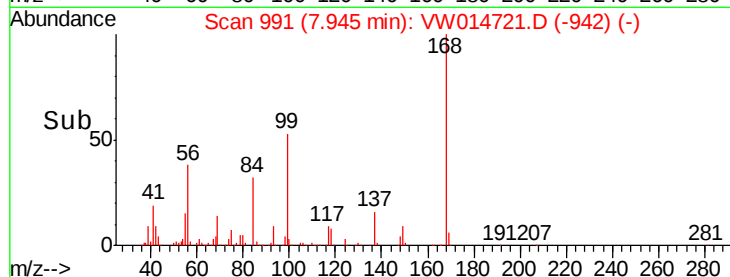
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 22.353 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW014721.D

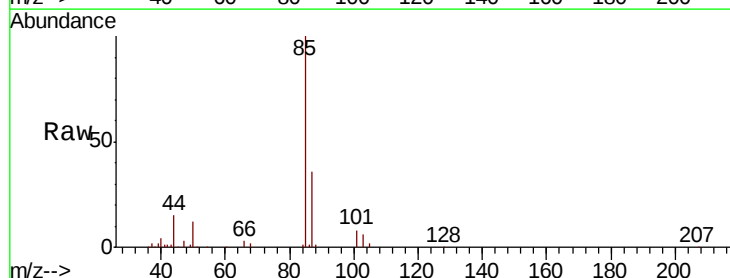
Acq: 23 Jan 2020 13:10

Tgt Ion: 85 Resp: 80572

Ion Ratio Lower Upper

85 100

87 36.4 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

30000

25000

20000

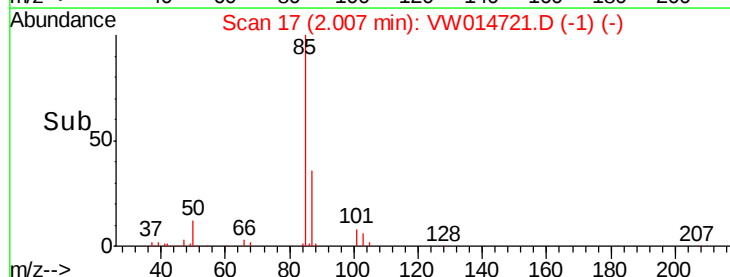
15000

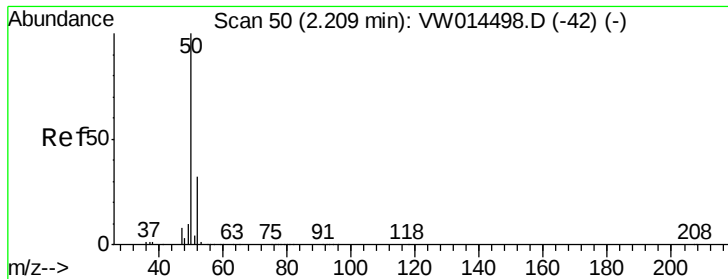
10000

5000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 26.496 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW014721.D

Acq: 23 Jan 2020 13:10

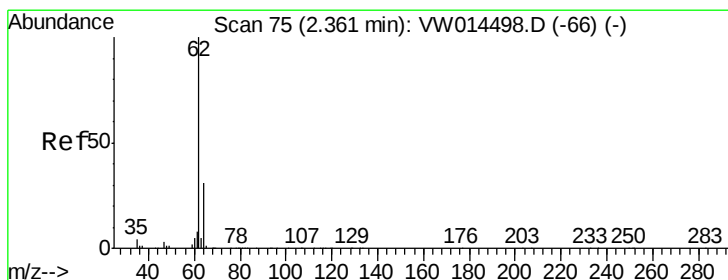
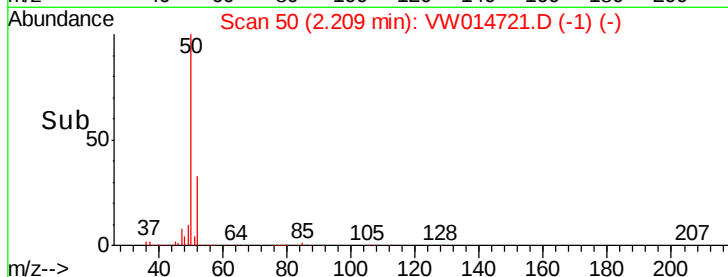
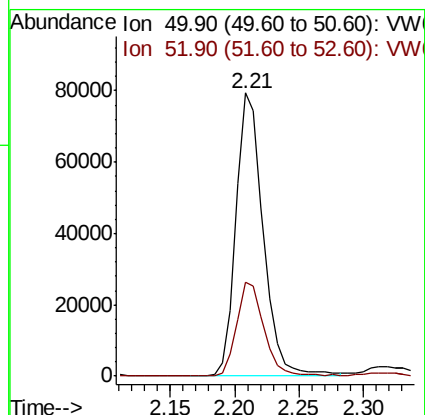
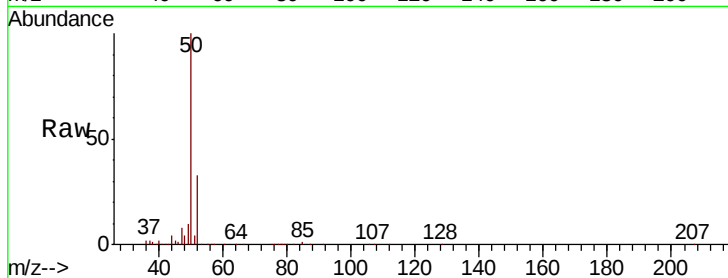
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 50 Resp: 116898

Ion Ratio Lower Upper

50 100

52 33.3 25.8 38.8



#4

Vinyl Chloride

Concen: 25.266 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW014721.D

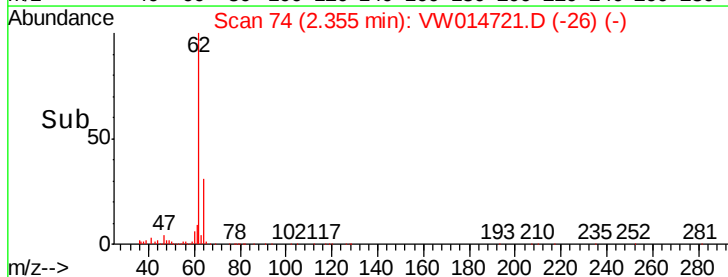
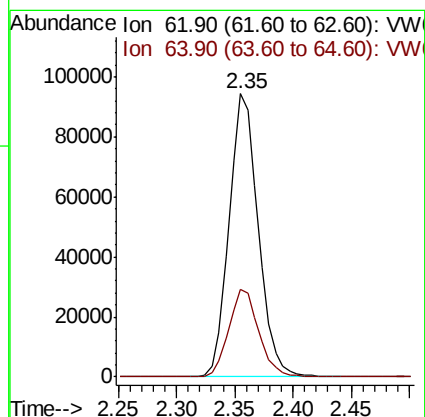
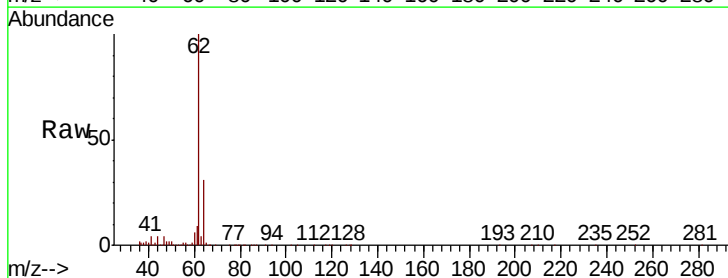
Acq: 23 Jan 2020 13:10

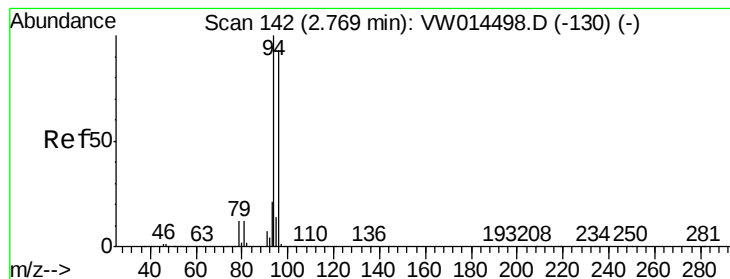
Tgt Ion: 62 Resp: 163958

Ion Ratio Lower Upper

62 100

64 30.9 25.0 37.4





#5

Bromomethane

Concen: 23.839 ug/l

RT: 2.75 min Scan# 139

Delta R.T. -0.02 min

Lab File: VW014721.D

Acq: 23 Jan 2020 13:10

Instrument :

MSVOA_W

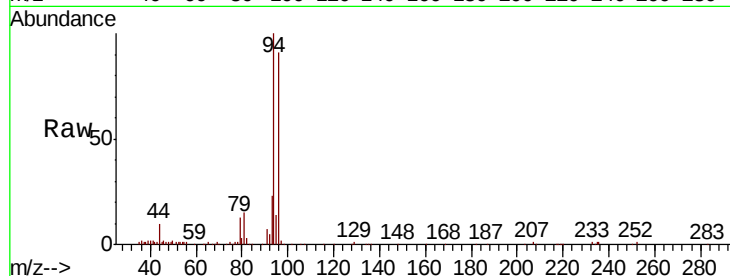
ClientSampled :

Tot Ion: 94 Resp: 95565

Ion Ratio Lower Upper

94 100

96 90.9 74.2 111.2



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.75

30000

25000

20000

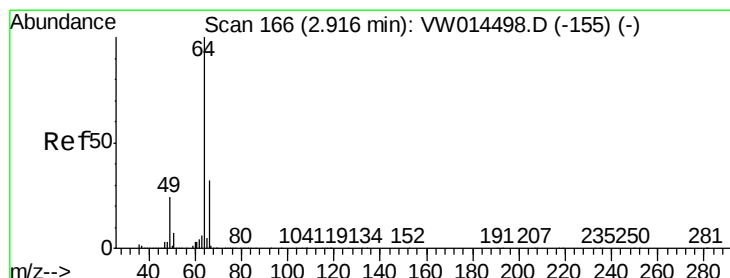
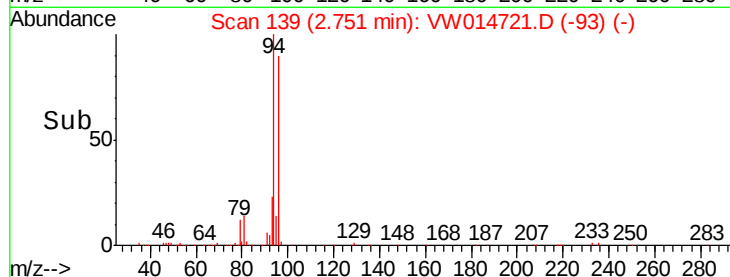
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 24.717 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW014721.D

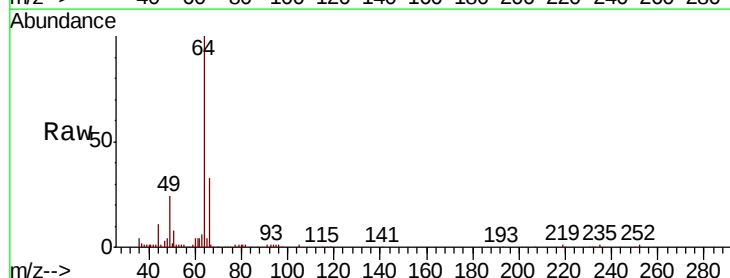
Acq: 23 Jan 2020 13:10

Tgt Ion: 64 Resp: 91432

Ion Ratio Lower Upper

64 100

66 32.4 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

2.91

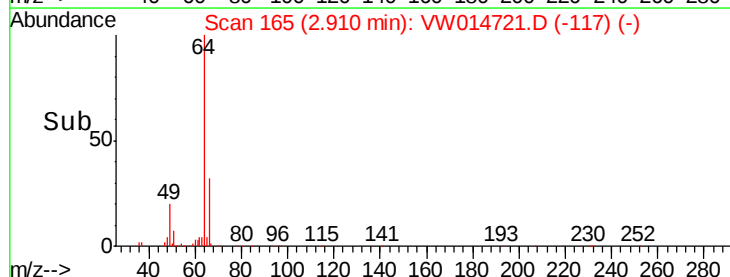
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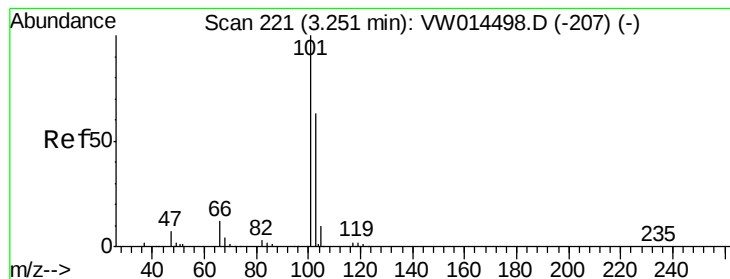
20000

10000

0

Time-->



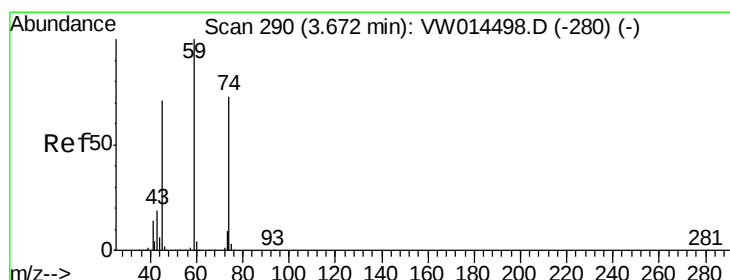
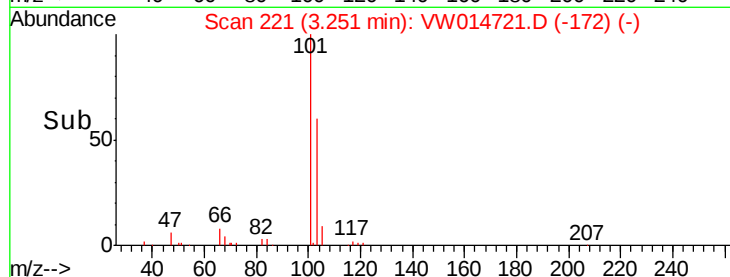
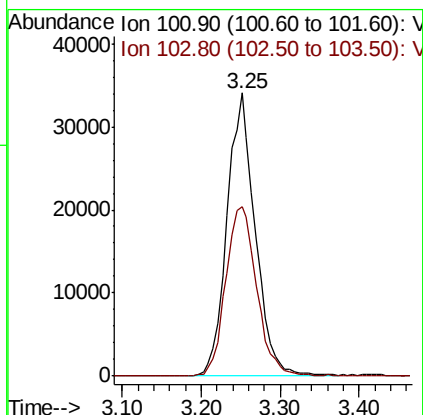
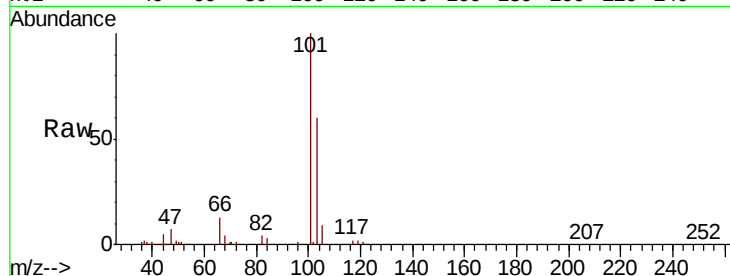


#7

Trichlorofluoromethane
 Concen: 26.185 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW014721.D
 Acq: 23 Jan 2020 13:10

Instrument :
 MSVOA_W
 ClientSampleId :

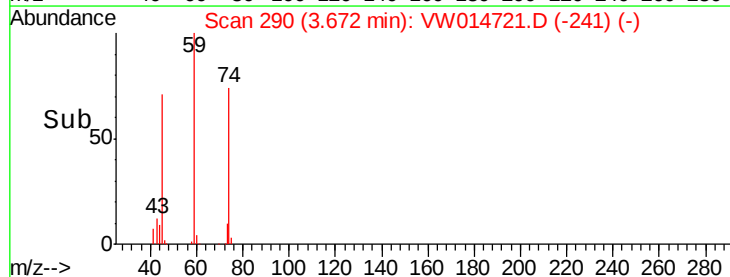
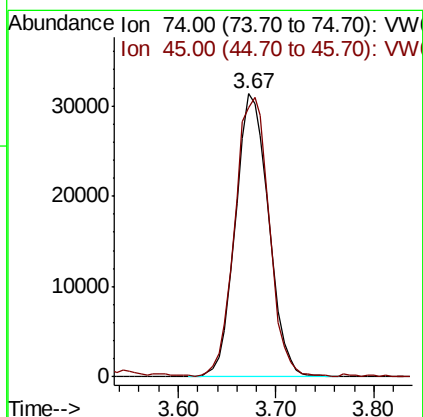
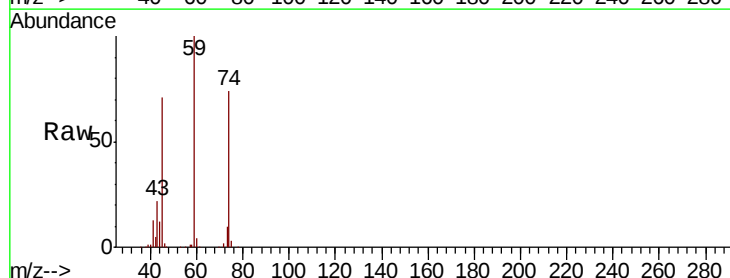
Tot Ion:101 Resp: 85015
 Ion Ratio Lower Upper
 101 100
 103 60.0 50.1 75.1



#8

Diethyl Ether
 Concen: 22.886 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.00 min
 Lab File: VW014721.D
 Acq: 23 Jan 2020 13:10

Tgt Ion: 74 Resp: 73932
 Ion Ratio Lower Upper
 74 100
 45 101.1 48.6 145.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 24.168 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW014721.D

Acq: 23 Jan 2020 13:10

Instrument :

MSVOA_W

ClientSampled :

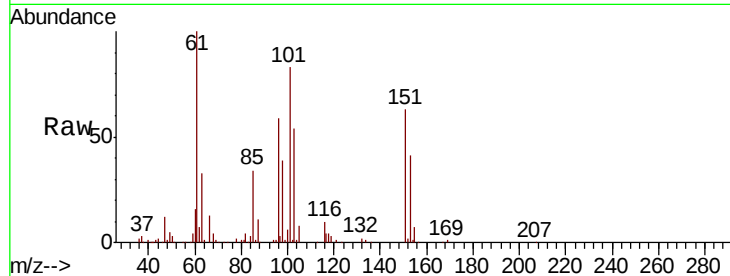
Tot Ion:101 Resp: 146614

Ion Ratio Lower Upper

101 100

85 42.6 33.7 50.5

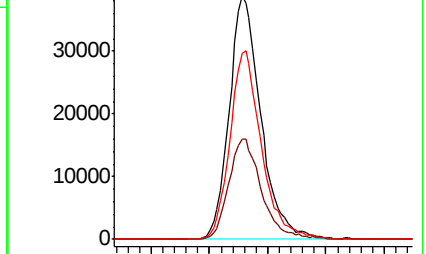
151 77.0 63.5 95.3



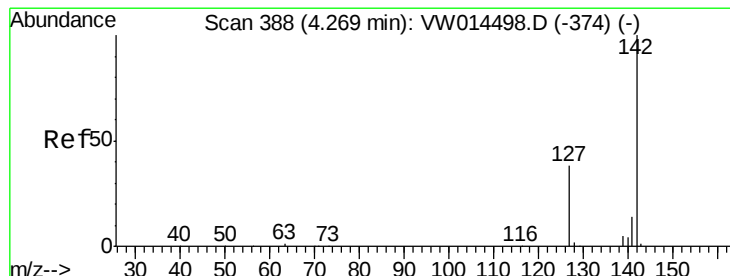
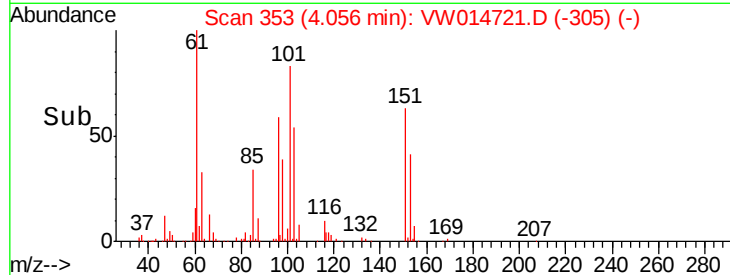
Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



Time-->



#10

Methyl Iodide

Concen: 22.532 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW014721.D

Acq: 23 Jan 2020 13:10

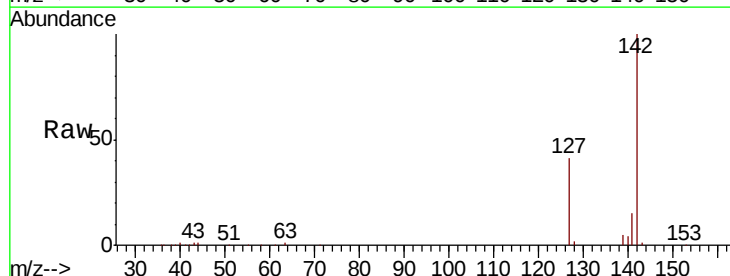
Tgt Ion:142 Resp: 206241

Ion Ratio Lower Upper

142 100

127 39.9 30.2 45.4

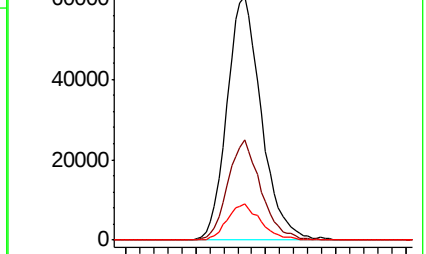
141 14.5 11.4 17.2



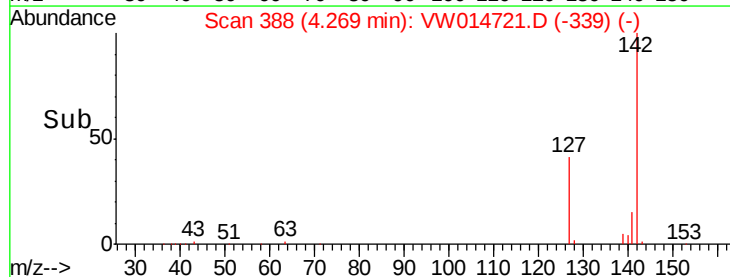
Abundance Ion 141.80 (141.50 to 142.50): V

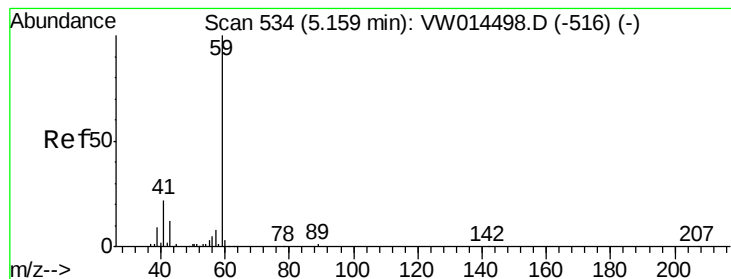
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



Time-->



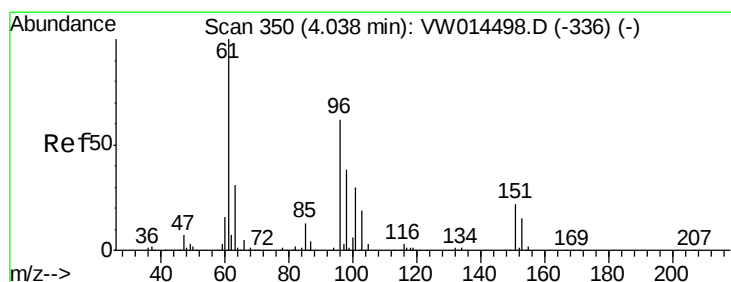
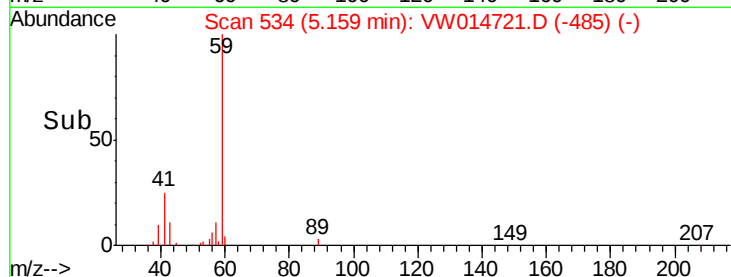
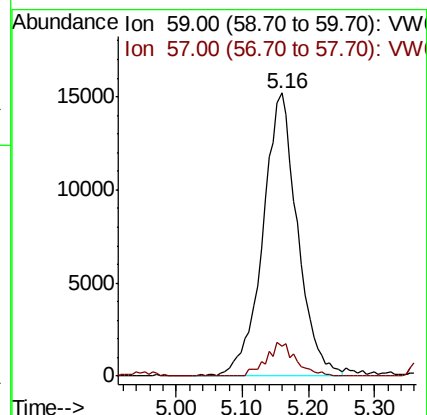
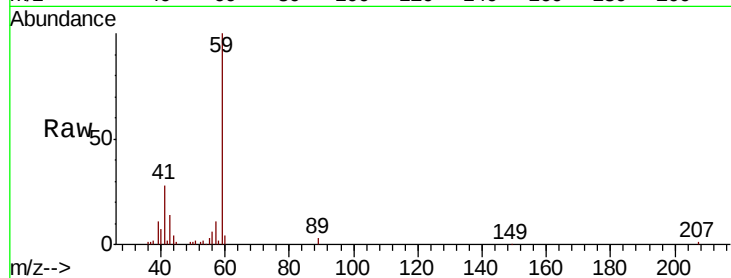


#11

Tert butyl alcohol
 Concen: 116.505 ug/l
 RT: 5.16 min Scan# 534
 Delta R.T. 0.00 min
 Lab File: VW014721.D
 Acq: 23 Jan 2020 13:10

Instrument :
 MSVOA_W
 ClientSampleId :

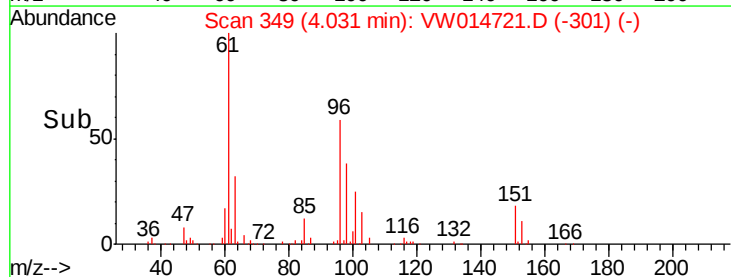
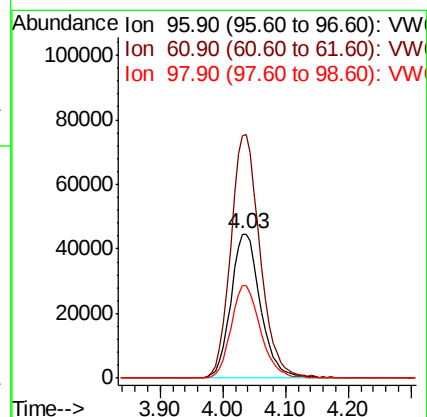
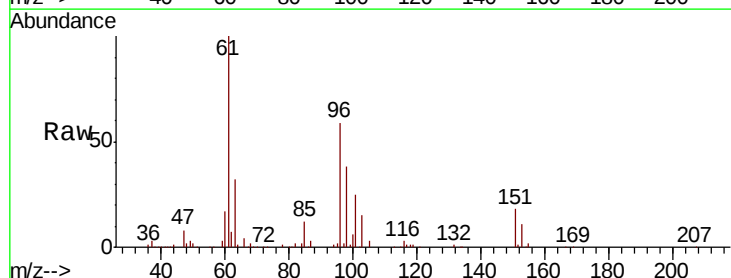
Tot Ion: 59 Resp: 55408
 Ion Ratio Lower Upper
 59 100
 57 10.0 7.8 11.8

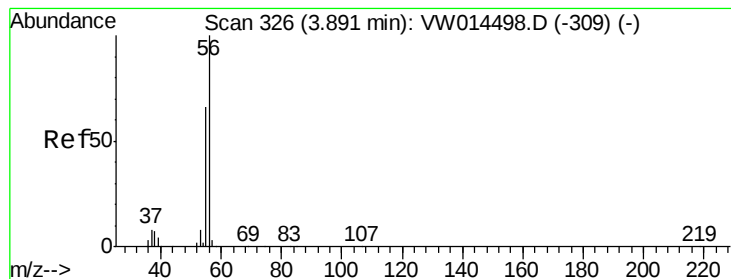


#12

1,1-Dichloroethene
 Concen: 22.941 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW014721.D
 Acq: 23 Jan 2020 13:10

Tgt Ion: 96 Resp: 145741
 Ion Ratio Lower Upper
 96 100
 61 168.4 128.4 192.6
 98 63.9 49.1 73.7





#13

Acrolein

Concen: 100.670 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW014721.D

Acq: 23 Jan 2020 13:10

Instrument :

MSVOA_W

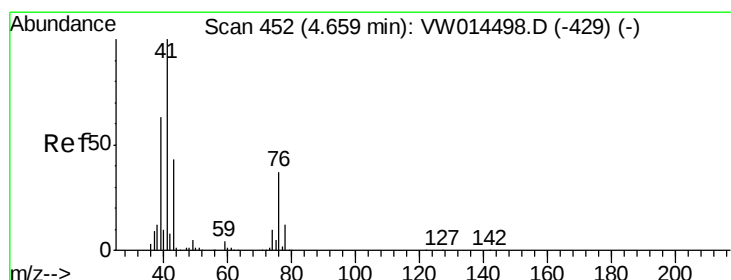
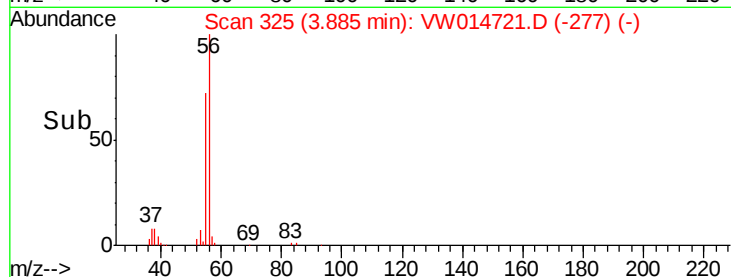
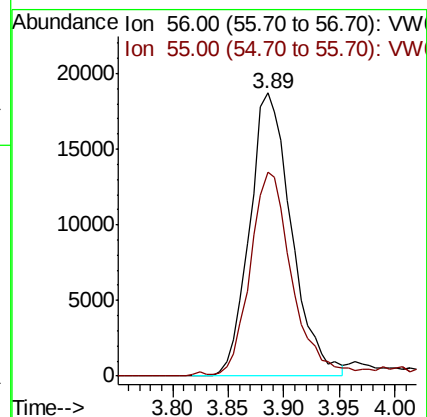
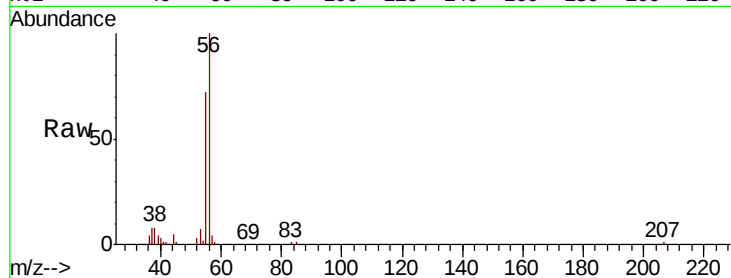
ClientSampleId :

Tot Ion: 56 Resp: 49042

Ion Ratio Lower Upper

56 100

55 70.8 56.7 85.1



#14

Allyl chloride

Concen: 24.755 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW014721.D

Acq: 23 Jan 2020 13:10

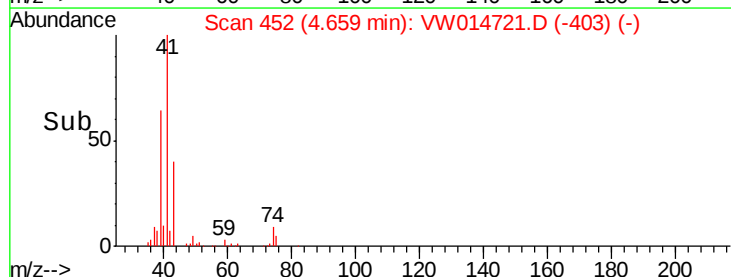
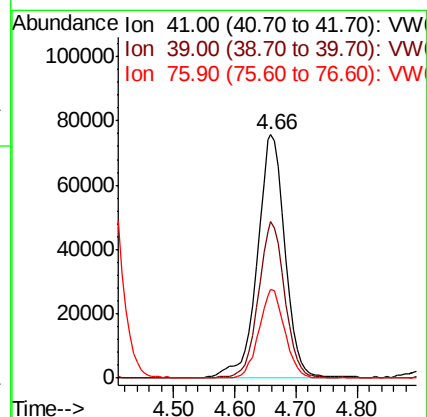
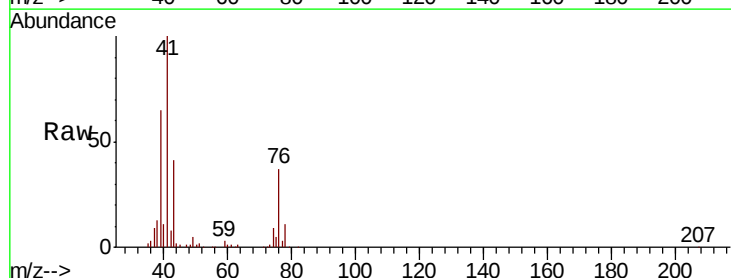
Tgt Ion: 41 Resp: 240324

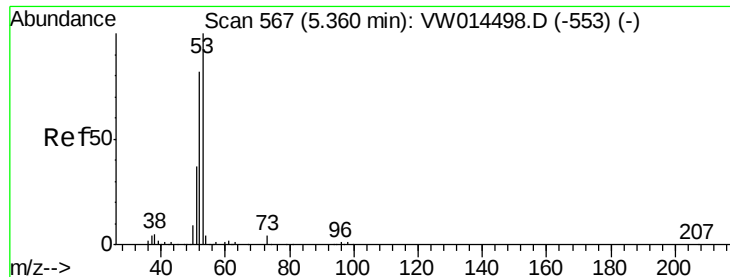
Ion Ratio Lower Upper

41 100

39 61.6 48.5 72.7

76 33.6 28.1 42.1





#15

Acrylonitrile

Concen: 118.714 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW014721.D

Acq: 23 Jan 2020 13:10

Instrument :

MSVOA_W

ClientSampleId :

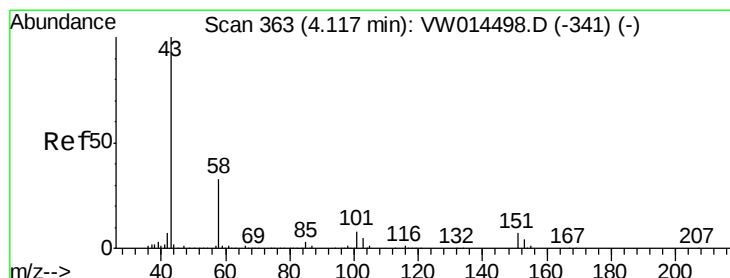
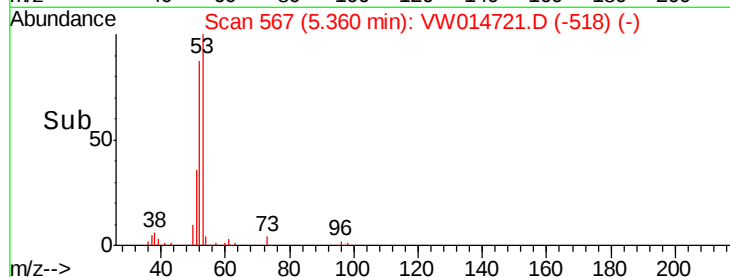
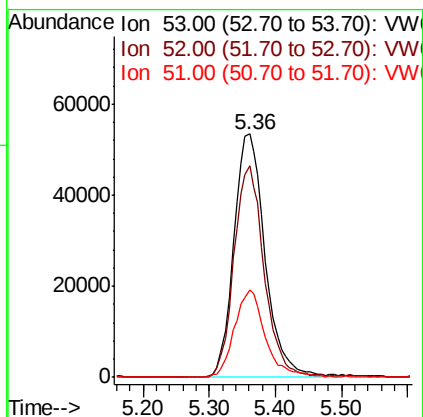
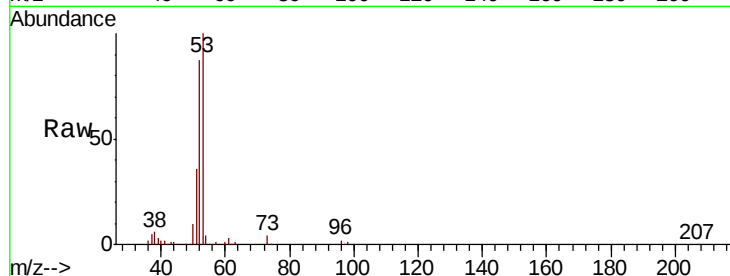
Tot Ion: 53 Resp: 175295

Ion Ratio Lower Upper

53 100

52 83.4 66.5 99.7

51 35.6 28.4 42.6



#16

Acetone

Concen: 105.749 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW014721.D

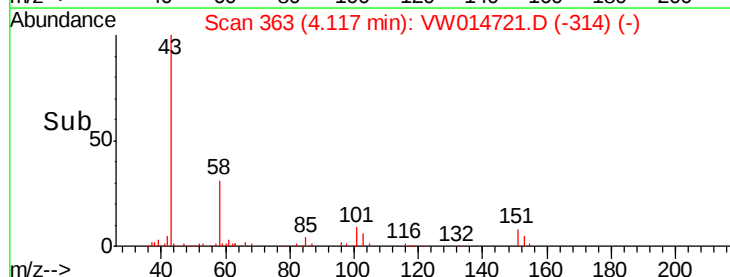
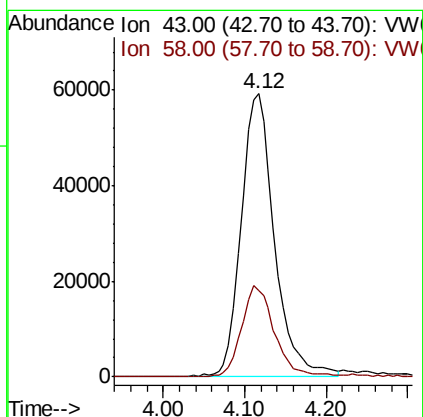
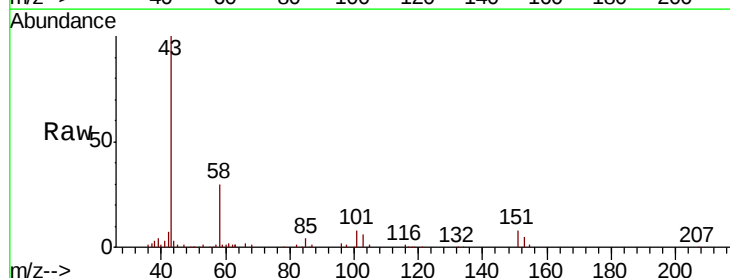
Acq: 23 Jan 2020 13:10

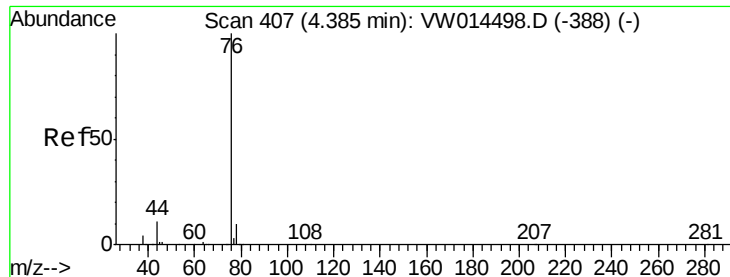
Tgt Ion: 43 Resp: 166663

Ion Ratio Lower Upper

43 100

58 30.5 26.6 39.8





#17

Carbon Disulfide

Concen: 23.050 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW014721.D

Acq: 23 Jan 2020 13:10

Instrument :

MSVOA_W

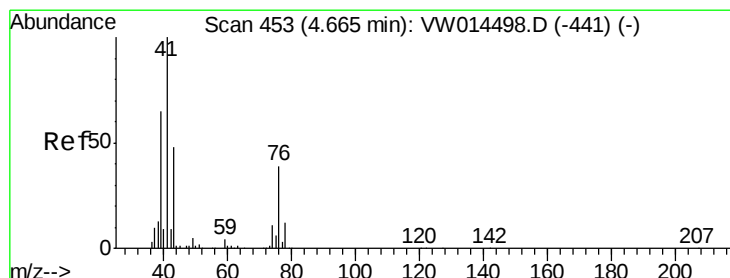
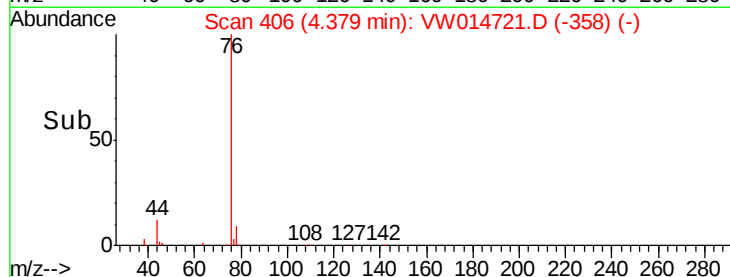
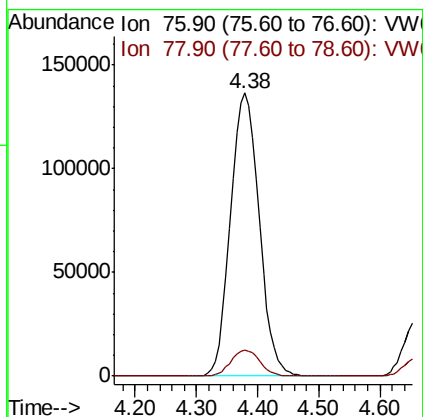
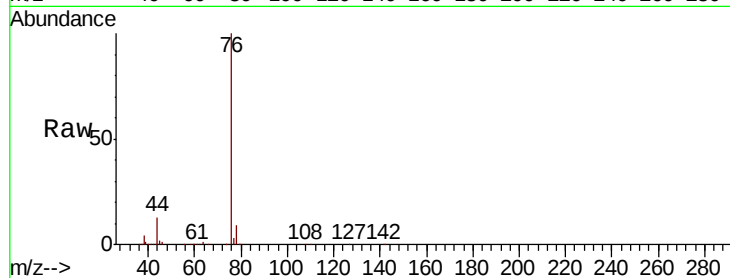
ClientSampled :

Tot Ion: 76 Resp: 441347

Ion Ratio Lower Upper

76 100

78 9.0 7.8 11.6



#18

Methyl Acetate

Concen: 24.030 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW014721.D

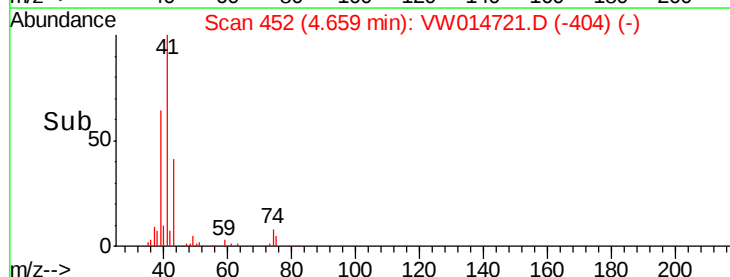
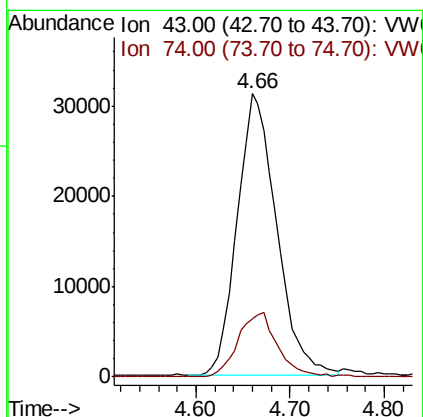
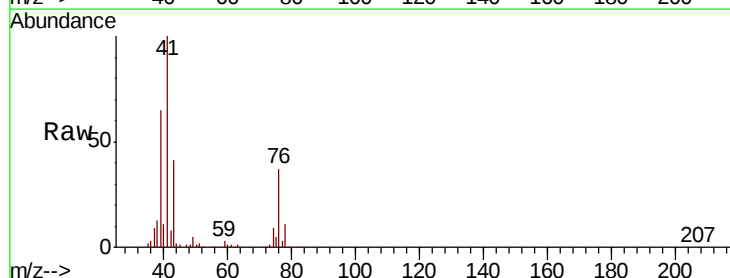
Acq: 23 Jan 2020 13:10

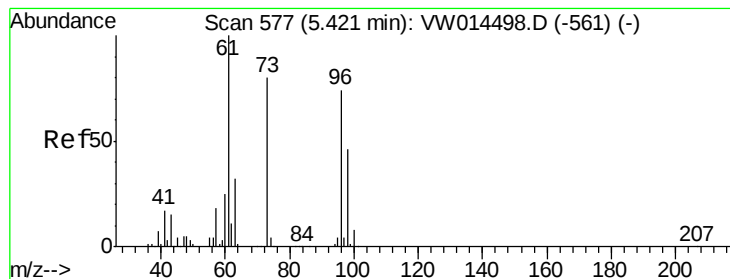
Tgt Ion: 43 Resp: 91464

Ion Ratio Lower Upper

43 100

74 22.9 19.3 28.9



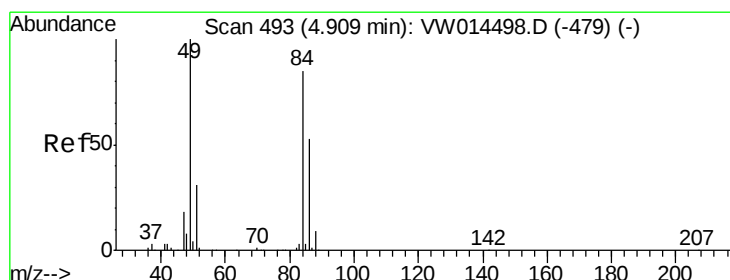
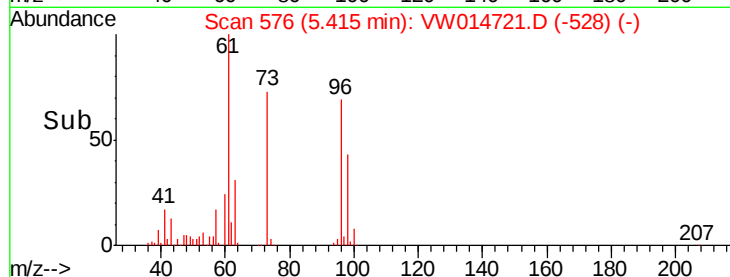
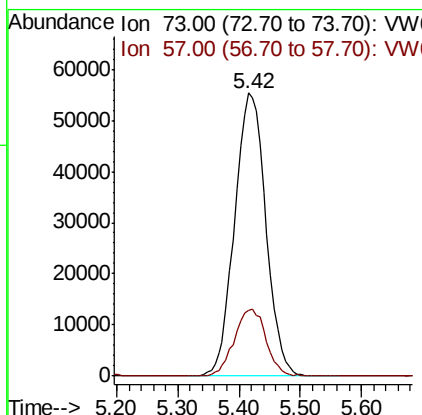
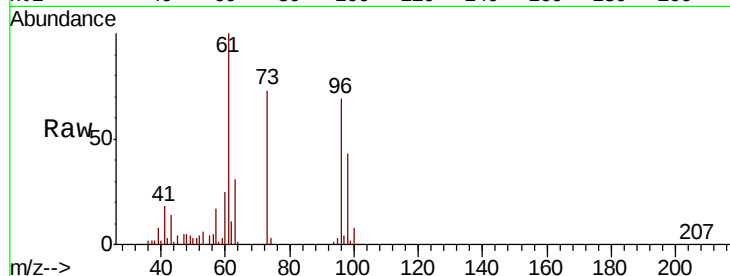


#19

Methyl tert-butyl Ether
 Concen: 24.785 ug/l
 RT: 5.42 min Scan# 576
 Delta R.T. -0.01 min
 Lab File: VW014721.D
 Acq: 23 Jan 2020 13:10

Instrument :
 MSVOA_W
 ClientSampled :

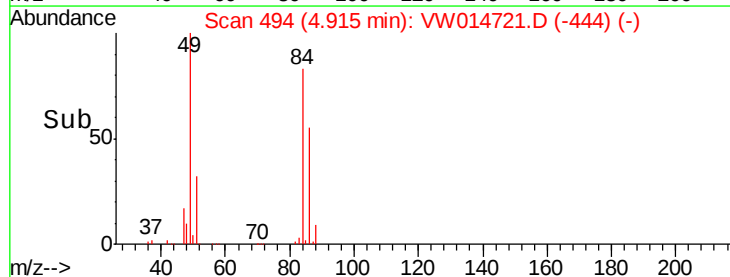
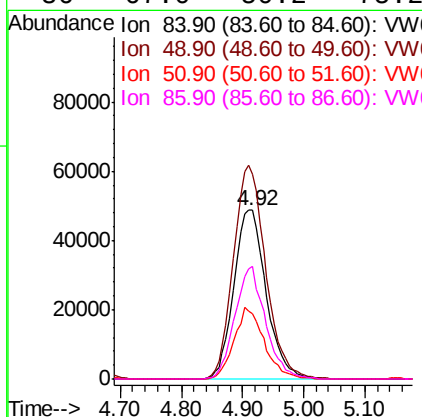
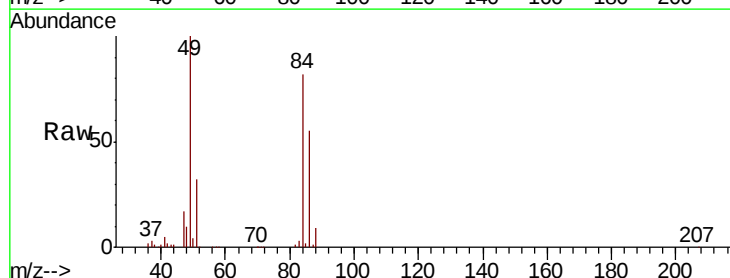
Tot Ion: 73 Resp: 195453
 Ion Ratio Lower Upper
 73 100
 57 23.4 18.1 27.1

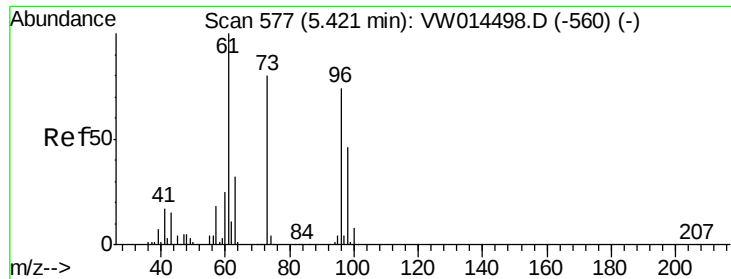


#20

Methylene Chloride
 Concen: 25.822 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.01 min
 Lab File: VW014721.D
 Acq: 23 Jan 2020 13:10

Tgt Ion: 84 Resp: 178533
 Ion Ratio Lower Upper
 84 100
 49 121.5 94.4 141.6
 51 38.8 29.5 44.3
 86 67.0 50.2 75.2

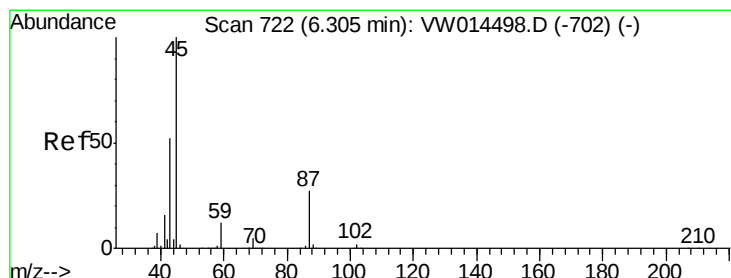
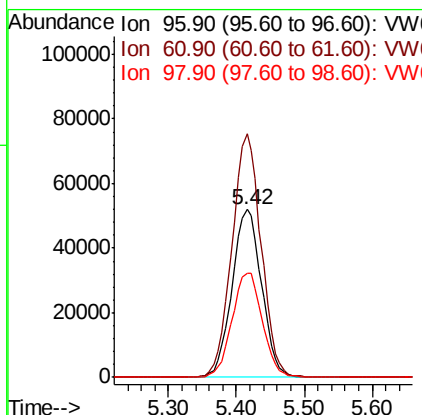
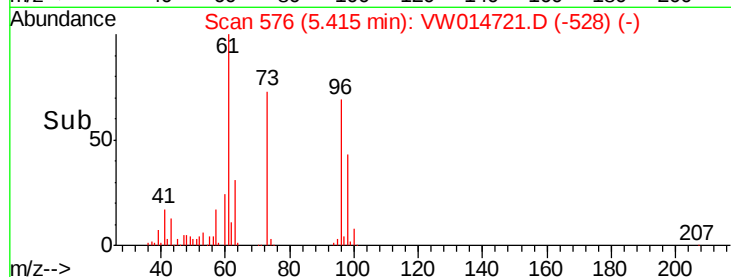
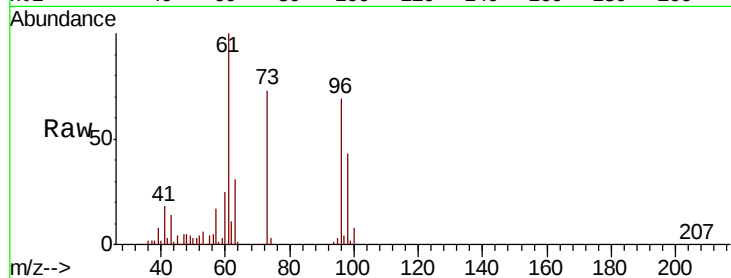




#21
trans-1,2-Dichloroethene
Concen: 23.269 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW014721.D
Acq: 23 Jan 2020 13:10

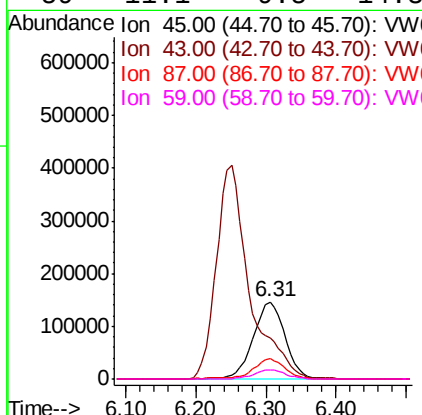
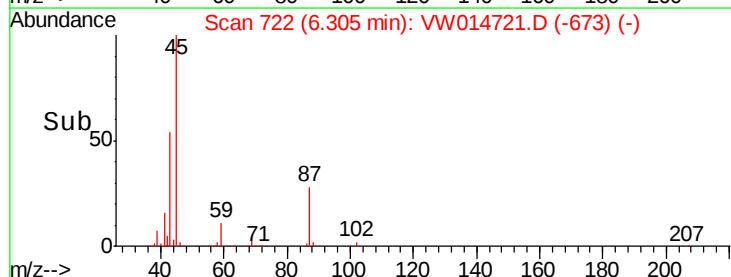
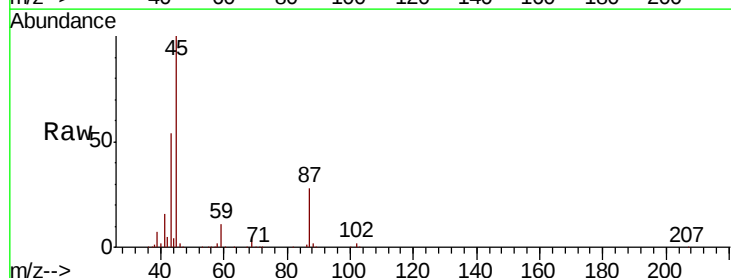
Instrument :
MSVOA_W
ClientSampled :

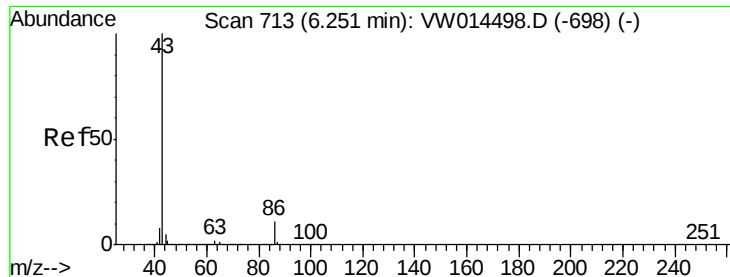
Tot Ion: 96 Resp: 156961
Ion Ratio Lower Upper
96 100
61 145.0 107.8 161.6
98 62.0 49.4 74.0



#22
Diisopropyl ether
Concen: 25.502 ug/l
RT: 6.31 min Scan# 722
Delta R.T. 0.00 min
Lab File: VW014721.D
Acq: 23 Jan 2020 13:10

Tgt Ion: 45 Resp: 463397
Ion Ratio Lower Upper
45 100
43 53.2 41.4 62.0
87 27.4 22.2 33.2
59 11.1 9.5 14.3





#23

Vinyl Acetate

Concen: 121.630 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW014721.D

Acq: 23 Jan 2020 13:10

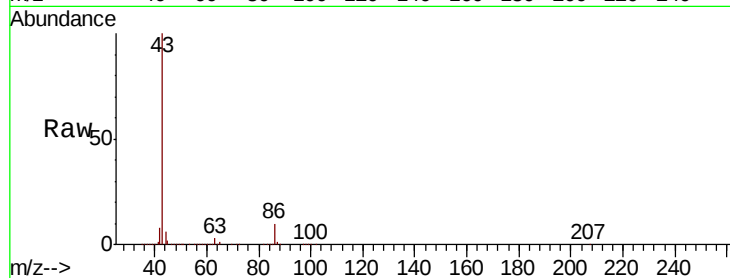
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 1334632

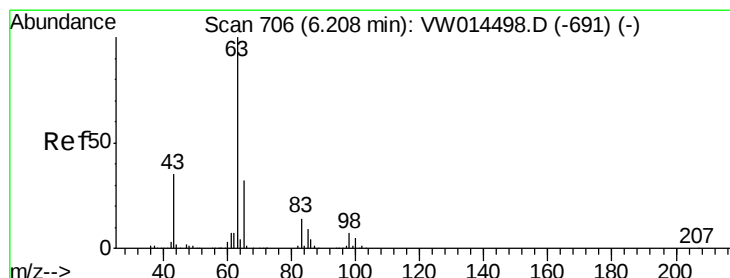
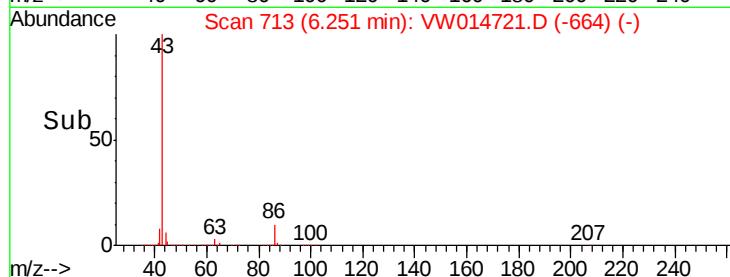
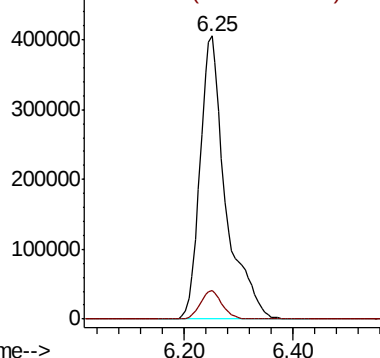
Ion Ratio Lower Upper

43 100

86 10.2 8.8 13.2



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 24.588 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.00 min

Lab File: VW014721.D

Acq: 23 Jan 2020 13:10

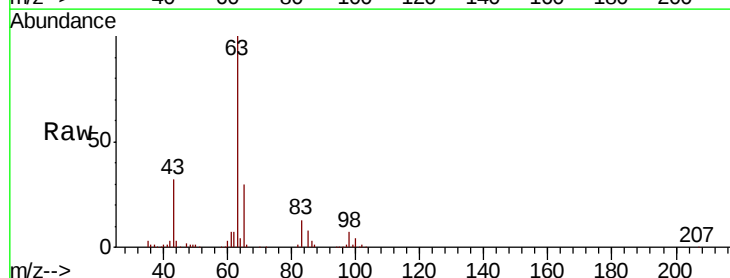
Tgt Ion: 63 Resp: 281828

Ion Ratio Lower Upper

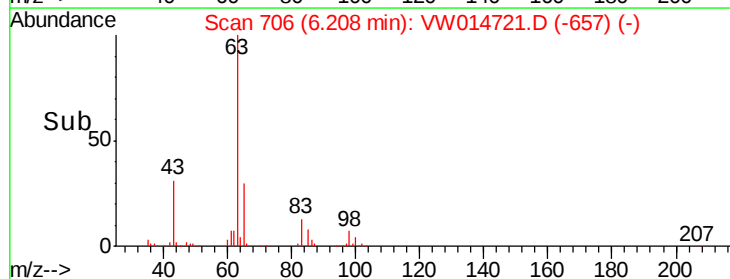
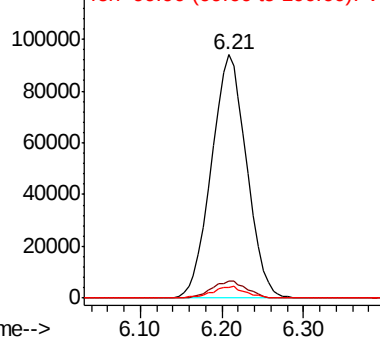
63 100

98 6.9 3.5 10.4

100 4.3 2.5 7.4



Abundance Ion 62.90 (62.60 to 63.60): VW
Ion 97.90 (97.60 to 98.60): VW
Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 116.046 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW014721.D

Acq: 23 Jan 2020 13:10

Instrument :

MSVOA_W

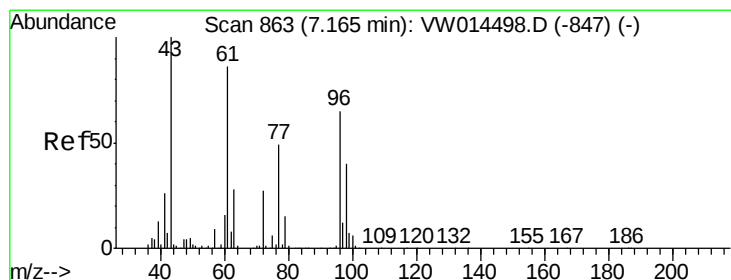
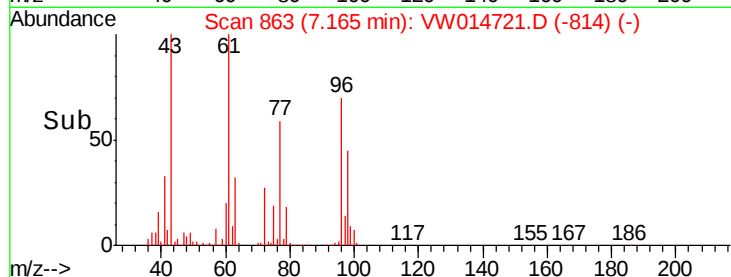
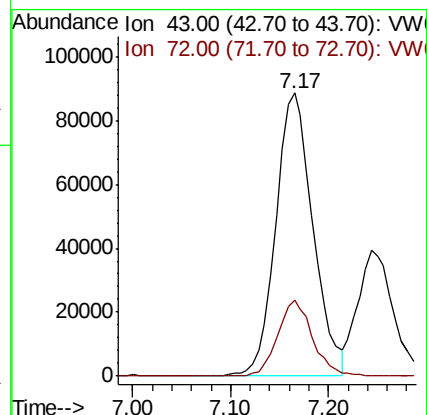
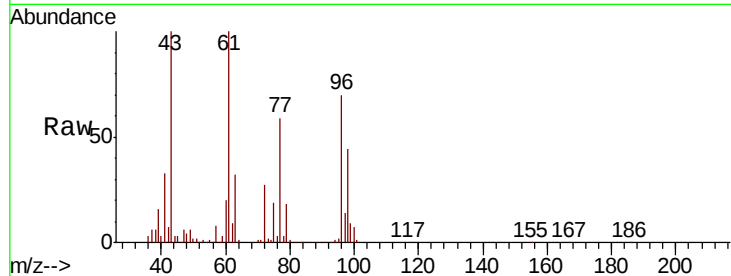
ClientSampled :

Tot Ion: 43 Resp: 234710

Ion Ratio Lower Upper

43 100

72 26.9 21.9 32.9



#26

2,2-Dichloropropane

Concen: 24.685 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW014721.D

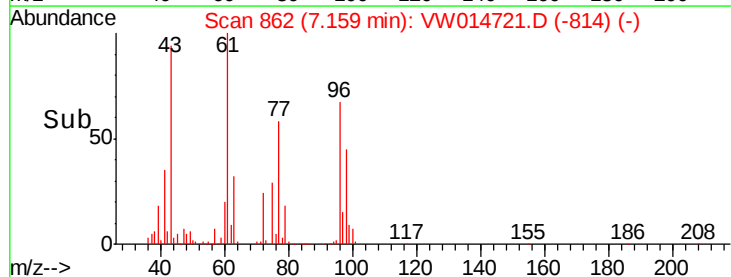
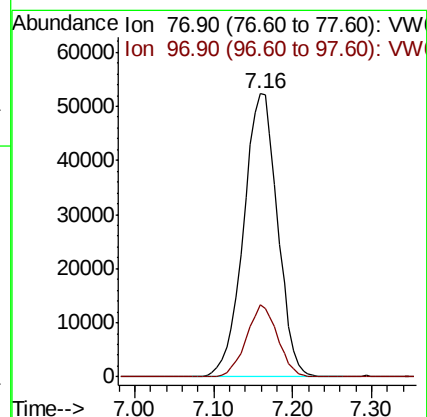
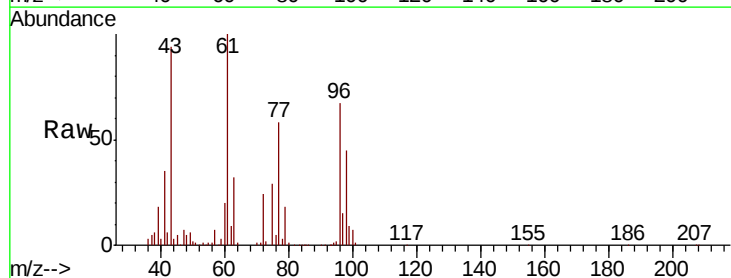
Acq: 23 Jan 2020 13:10

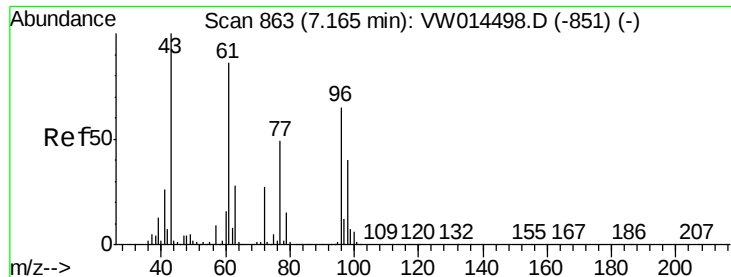
Tgt Ion: 77 Resp: 156650

Ion Ratio Lower Upper

77 100

97 23.3 12.5 37.5



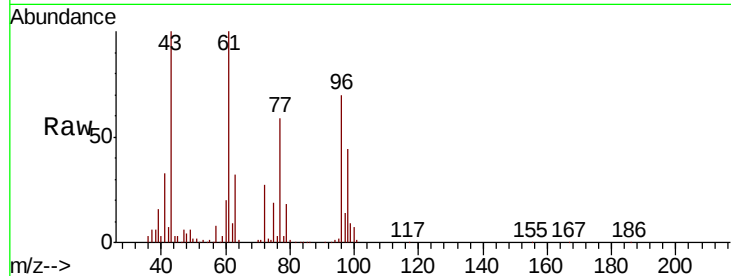


#27

cis-1,2-Dichloroethene
Concen: 23.378 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW014721.D
Acq: 23 Jan 2020 13:10

Instrument :
MSVOA_W
ClientSampled :

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.3	0.0	274.8
98	63.8	0.0	128.6

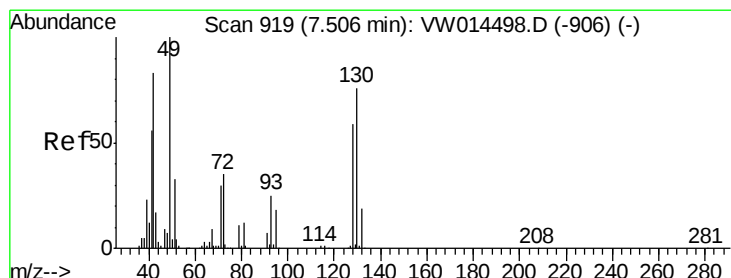
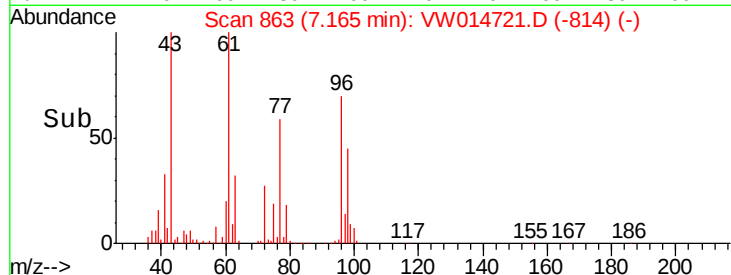
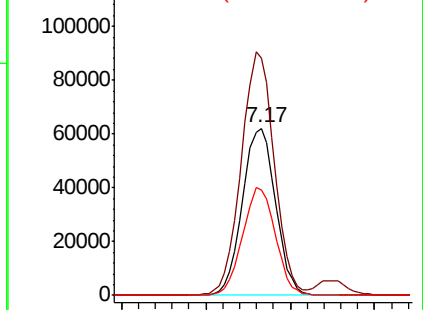


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

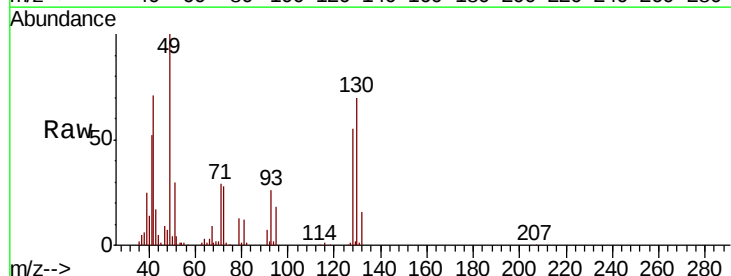
Ion 97.90 (97.60 to 98.60): VW



#28

Bromochloromethane
Concen: 22.910 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW014721.D
Acq: 23 Jan 2020 13:10

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	2.0
130	69.4	62.5	93.7

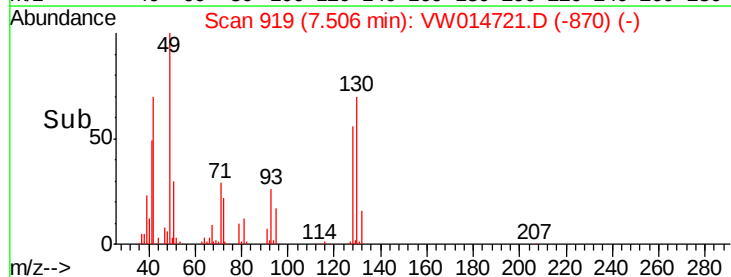
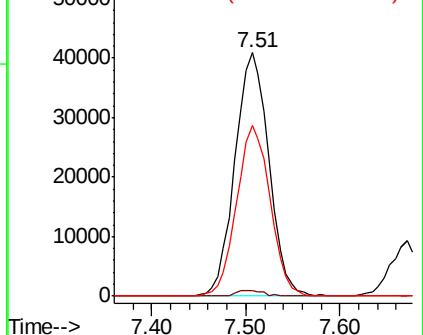


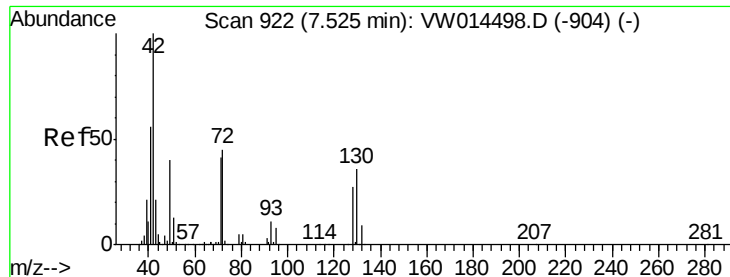
Abundance

Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 116.144 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.00 min

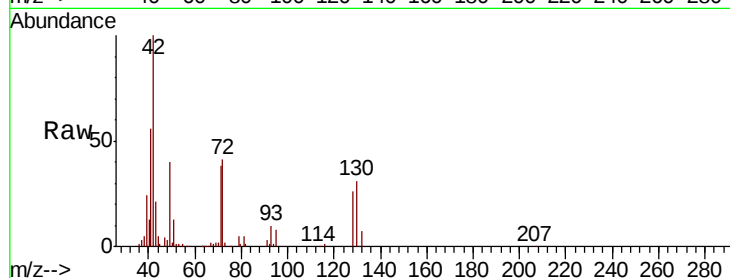
Lab File: VW014721.D

Acq: 23 Jan 2020 13:10

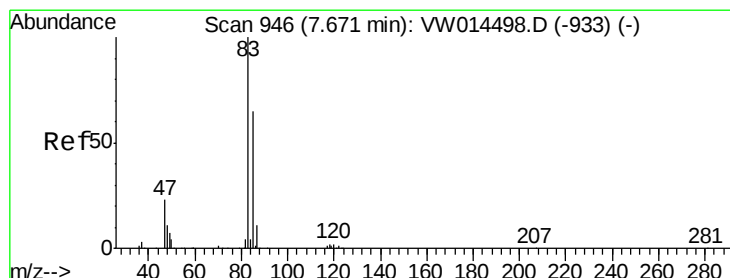
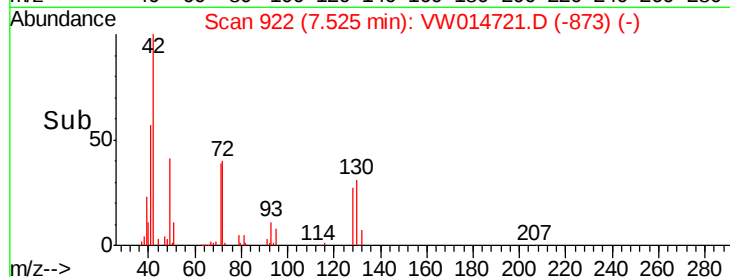
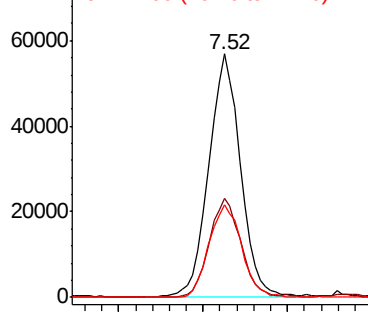
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 42 Resp: 145527

Ion	Ratio	Lower	Upper
42	100		
72	40.6	34.5	51.7
71	39.4	32.0	48.0



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#30

Chloroform

Concen: 24.662 ug/l

RT: 7.67 min Scan# 946

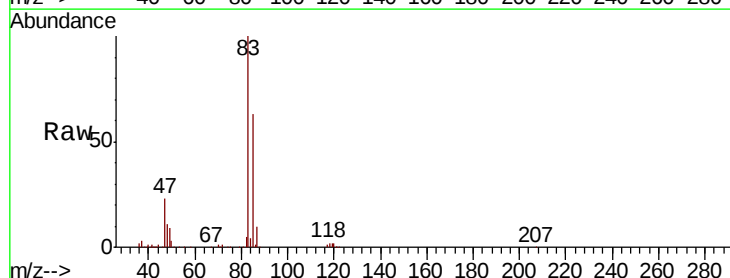
Delta R.T. -0.00 min

Lab File: VW014721.D

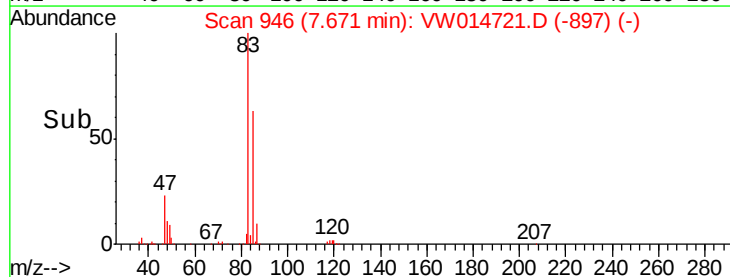
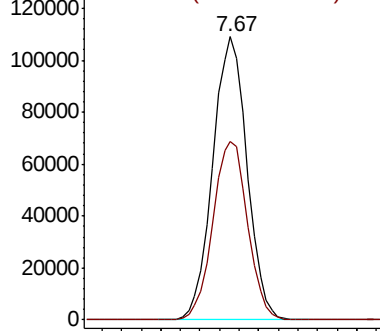
Acq: 23 Jan 2020 13:10

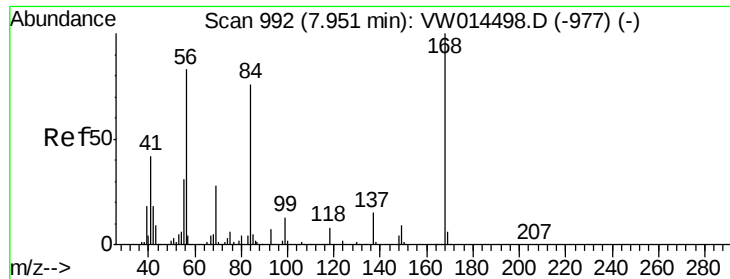
Tgt Ion: 83 Resp: 264341

Ion	Ratio	Lower	Upper
83	100		
85	63.2	52.2	78.2



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW

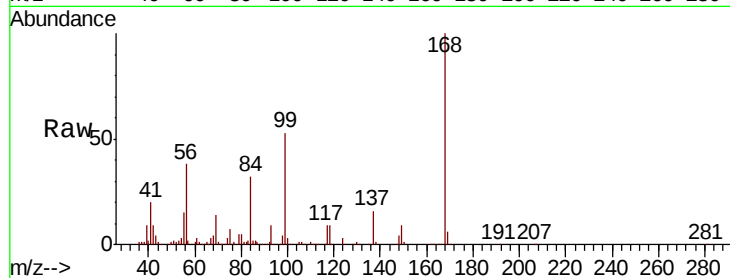




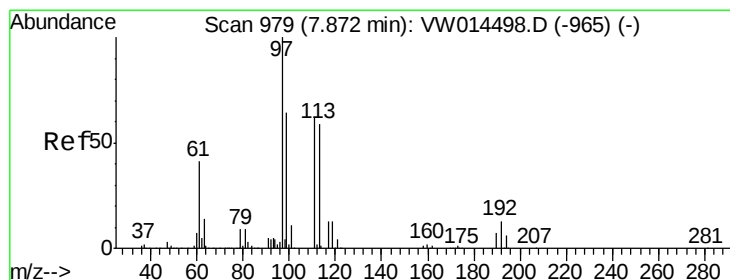
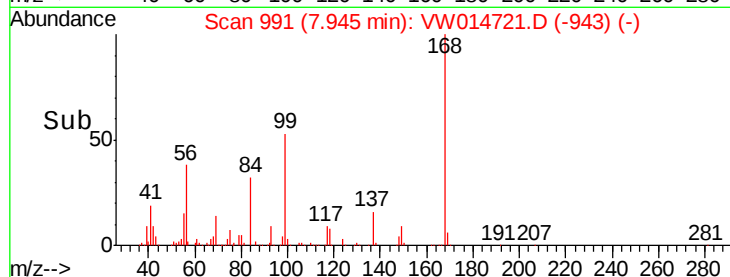
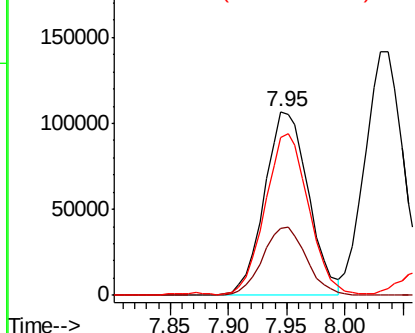
#31
Cyclohexane
Concen: 23.446 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW014721.D
Acq: 23 Jan 2020 13:10

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 279287
Ion Ratio Lower Upper
56 100
69 36.7 26.8 40.2
84 84.8 71.8 107.6

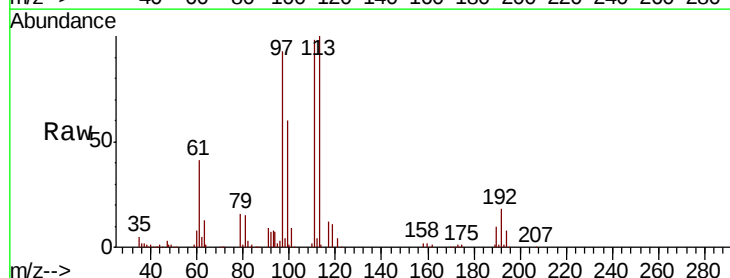


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

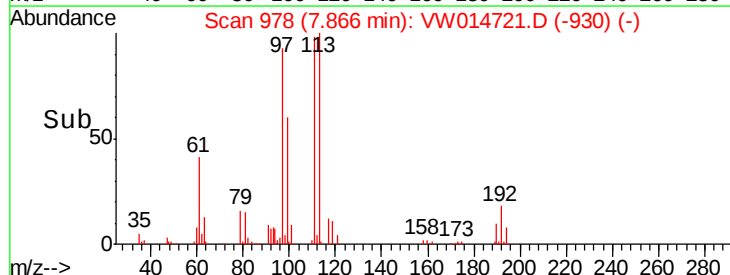
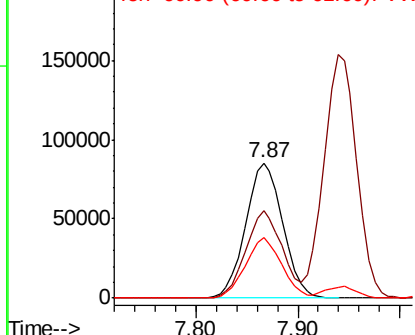


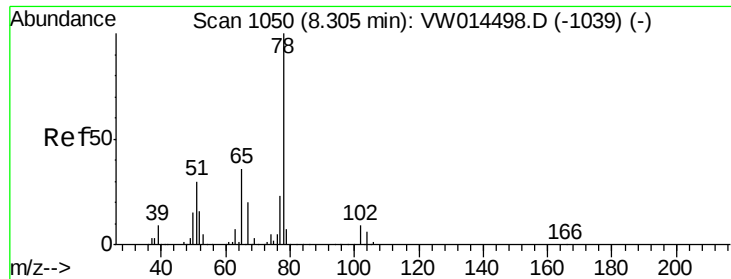
#32
1,1,1-Trichloroethane
Concen: 24.924 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW014721.D
Acq: 23 Jan 2020 13:10

Tgt Ion: 97 Resp: 214856
Ion Ratio Lower Upper
97 100
99 63.9 51.8 77.6
61 44.3 33.8 50.8



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW





#33

1,2-Dichloroethane-d4

Concen: 56.965 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW014721.D

Acq: 23 Jan 2020 13:10

Instrument :

MSVOA_W

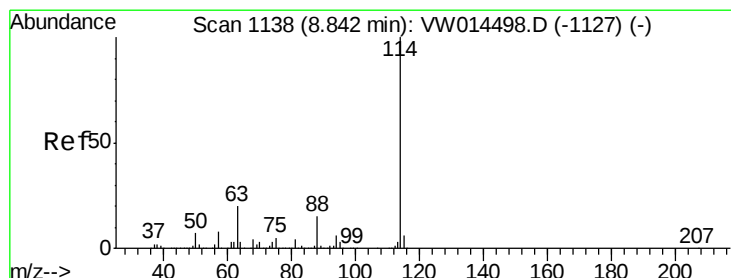
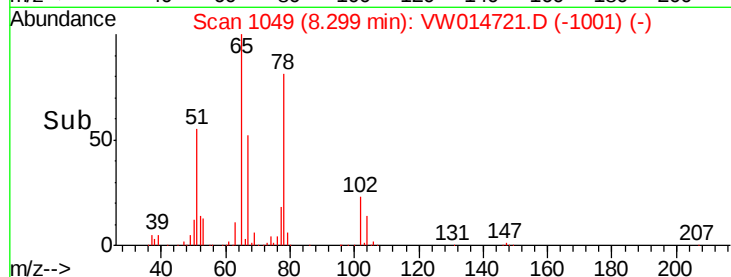
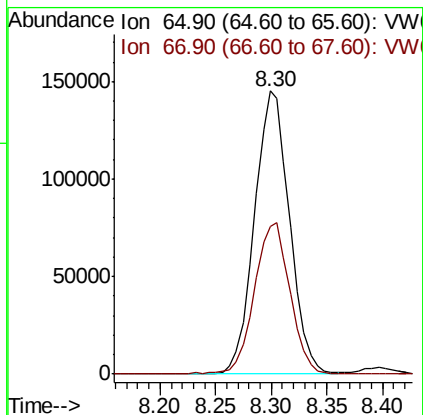
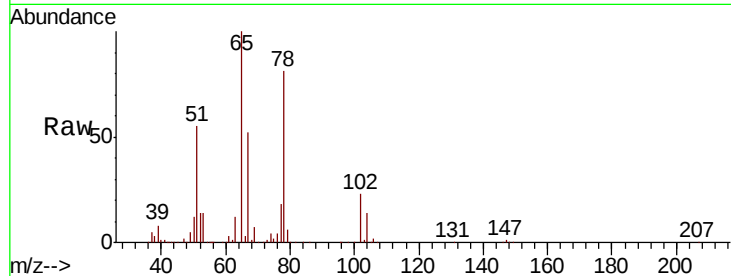
ClientSampleId :

Tot Ion: 65 Resp: 317950

Ion Ratio Lower Upper

65 100

67 54.4 0.0 108.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW014721.D

Acq: 23 Jan 2020 13:10

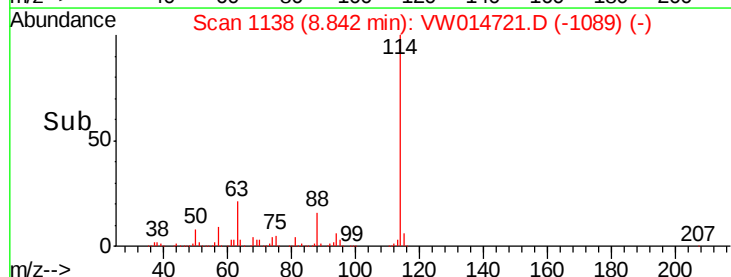
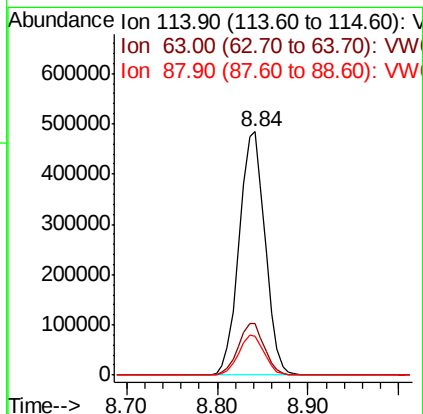
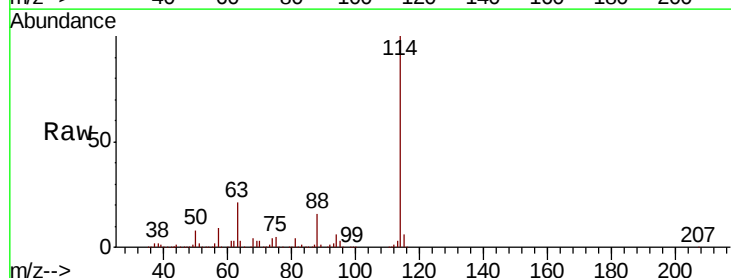
Tgt Ion: 114 Resp: 958471

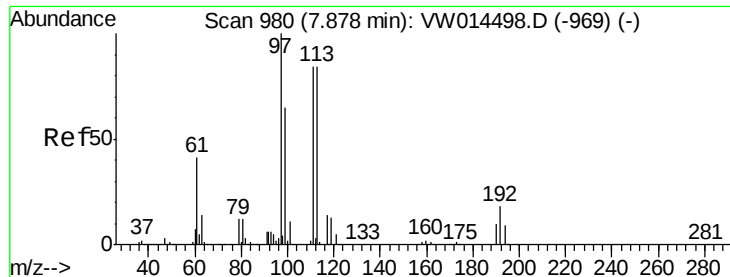
Ion Ratio Lower Upper

114 100

63 21.1 0.0 40.4

88 16.0 0.0 30.6

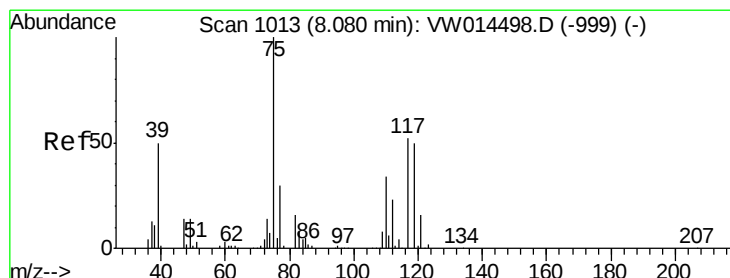
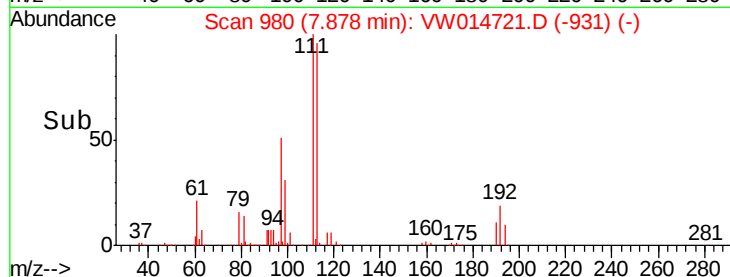
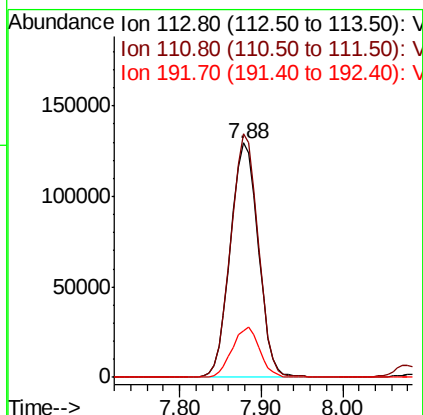
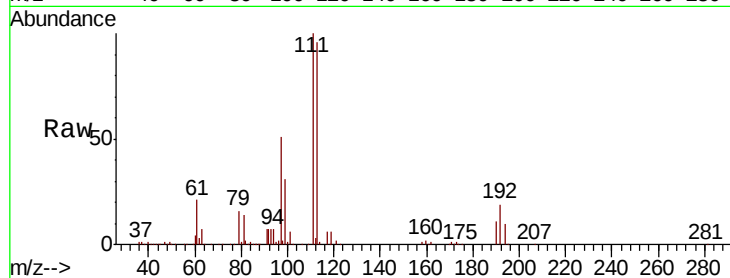




#35
 Dibromofluoromethane
 Concen: 55.894 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW014721.D
 Acq: 23 Jan 2020 13:10

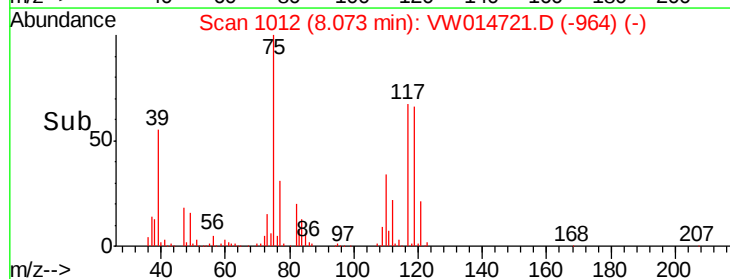
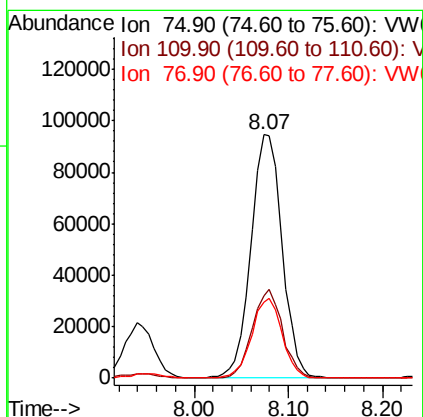
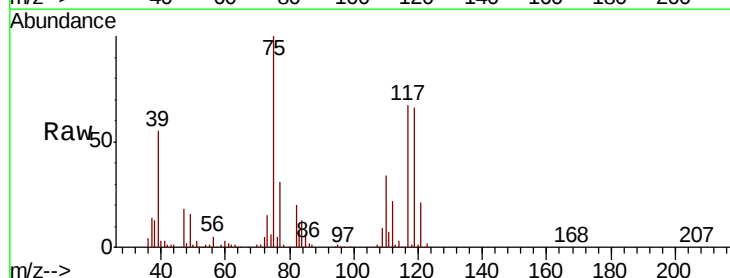
Instrument :
 MSVOA_W
 ClientSampleId :

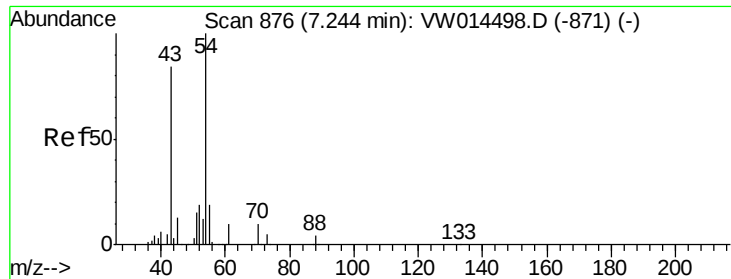
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.4	122.2
192	21.2	17.8	26.8



#36
 1,1-Dichloropropene
 Concen: 23.697 ug/l
 RT: 8.07 min Scan# 1012
 Delta R.T. -0.01 min
 Lab File: VW014721.D
 Acq: 23 Jan 2020 13:10

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.4	17.8	53.5
77	32.3	24.7	37.1

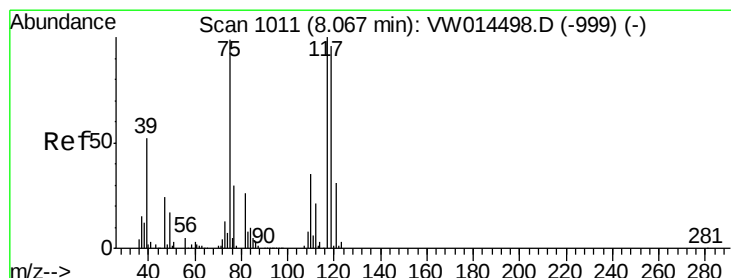
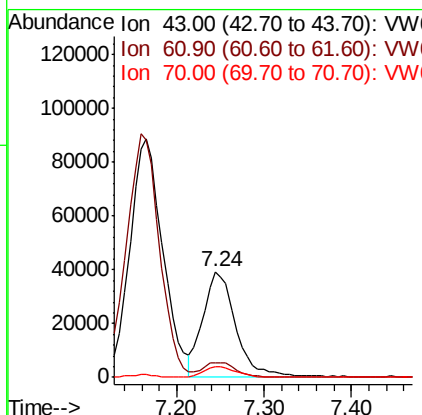
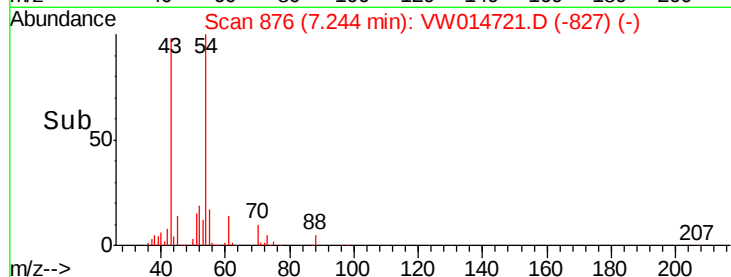
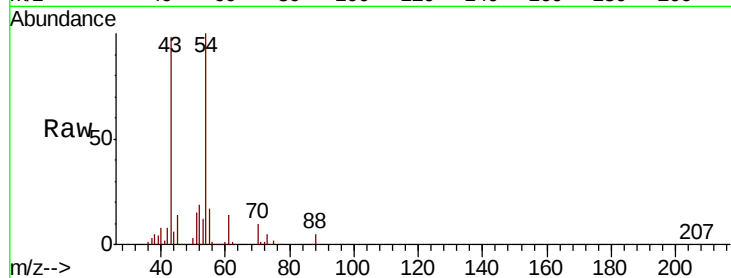




#37
Ethyl Acetate
Concen: 24.103 ug/l
RT: 7.24 min Scan# 876
Delta R.T. -0.00 min
Lab File: VW014721.D
Acq: 23 Jan 2020 13:10

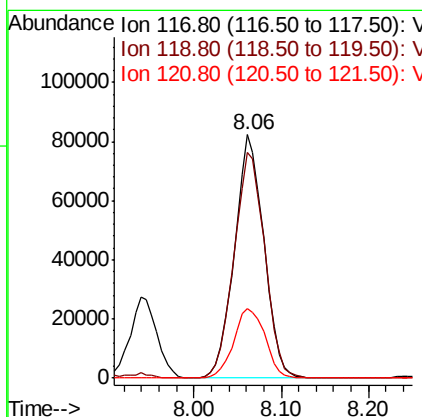
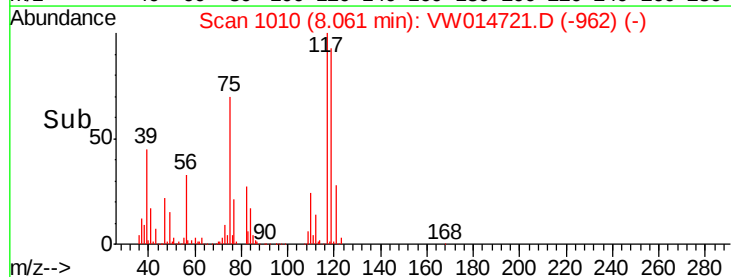
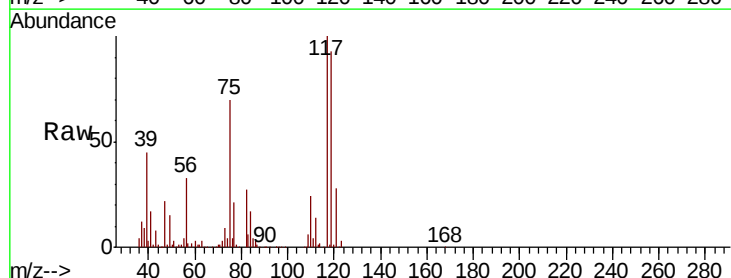
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 101007
Ion Ratio Lower Upper
43 100
61 13.7 11.7 17.5
70 10.6 9.0 13.6



#38
Carbon Tetrachloride
Concen: 23.971 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW014721.D
Acq: 23 Jan 2020 13:10

Tgt Ion: 117 Resp: 192157
Ion Ratio Lower Upper
117 100
119 92.6 77.0 115.6
121 28.3 24.6 36.8

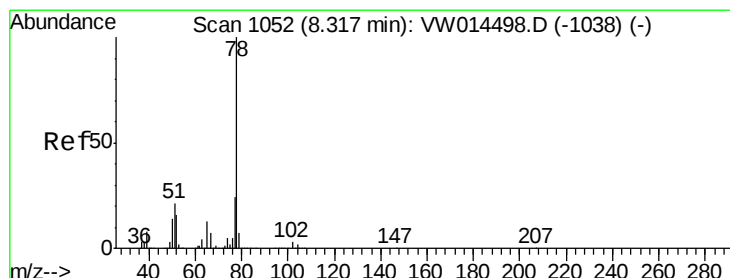
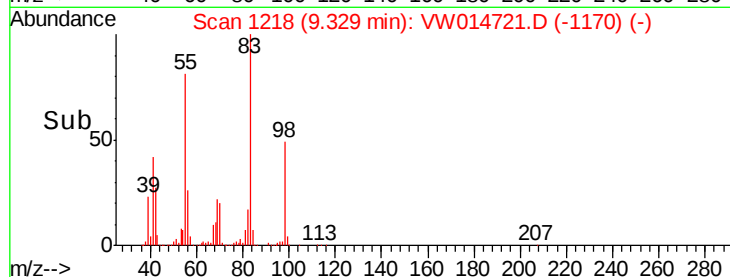
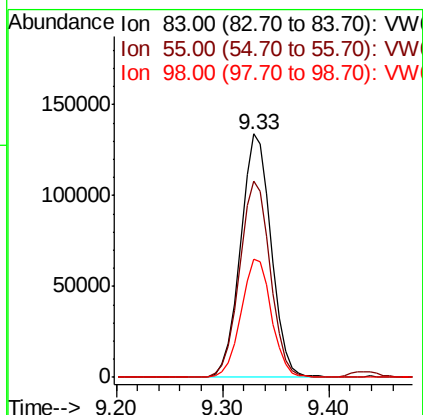
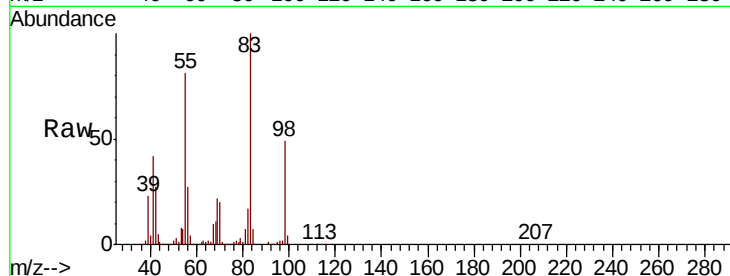




#39
Methvlcvclohexane
Concen: 22.798 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW014721.D
Acq: 23 Jan 2020 13:10

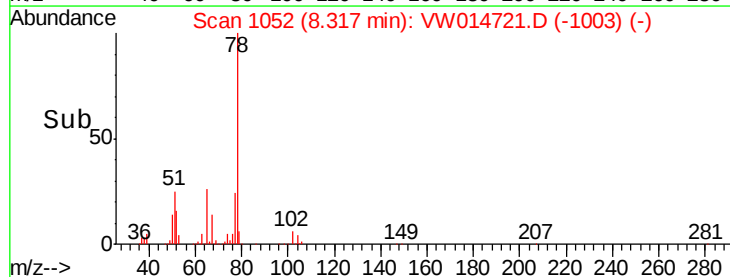
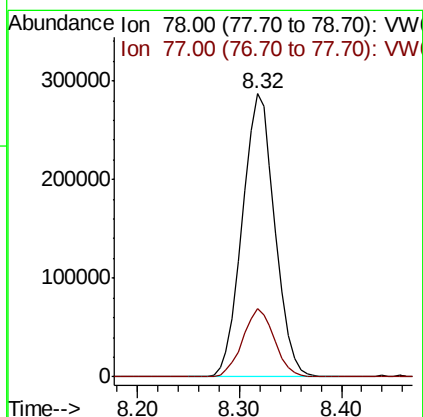
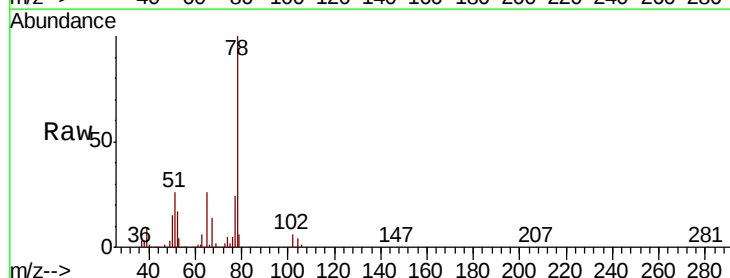
Instrument :
MSVOA_W
ClientSampleId :

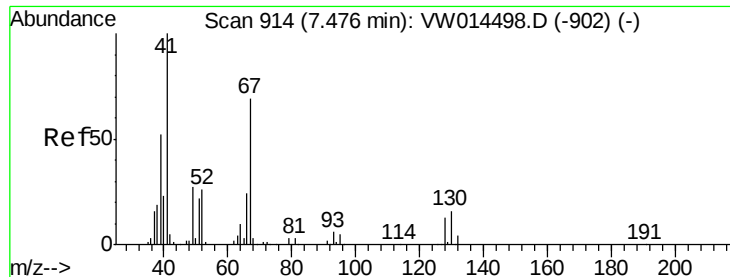
Tot Ion: 83 Resp: 270333
Ion Ratio Lower Upper
83 100
55 80.7 60.1 90.1
98 48.5 38.8 58.2



#40
Benzene
Concen: 24.266 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VW014721.D
Acq: 23 Jan 2020 13:10

Tgt Ion: 78 Resp: 634406
Ion Ratio Lower Upper
78 100
77 24.0 19.3 28.9

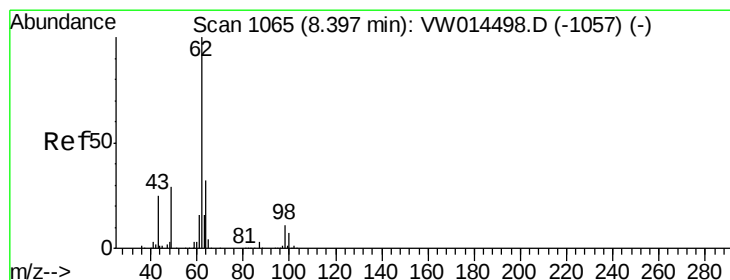
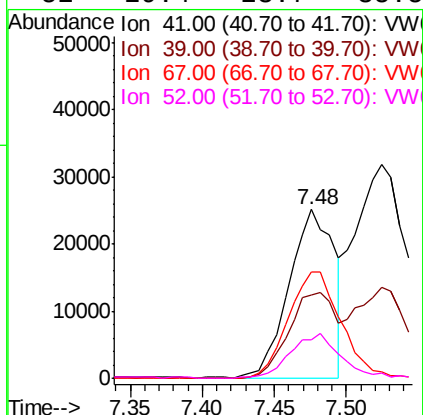
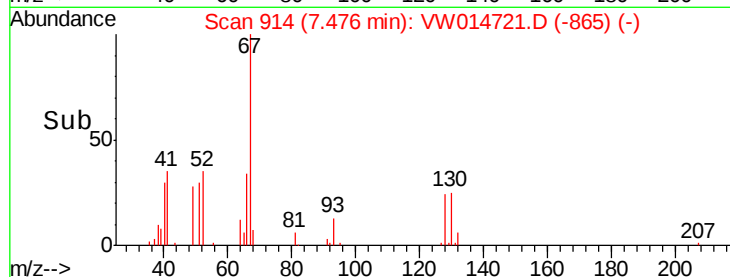
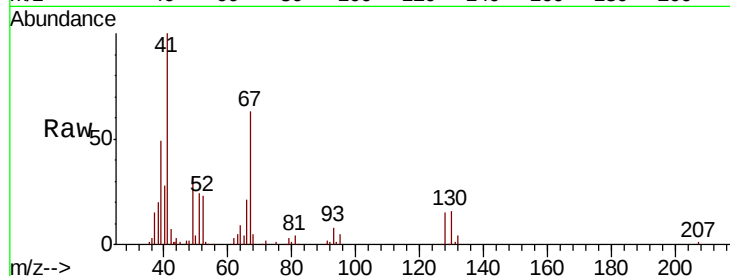




#41
Methacrylonitrile
Concen: 23.461 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.00 min
Lab File: VW014721.D
Acq: 23 Jan 2020 13:10

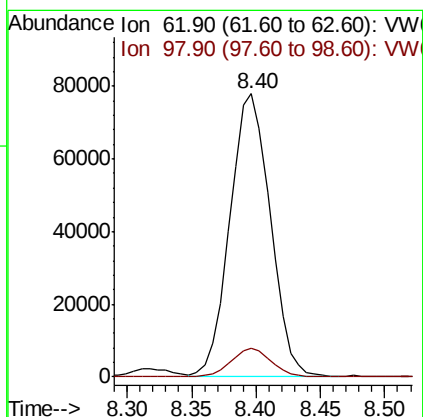
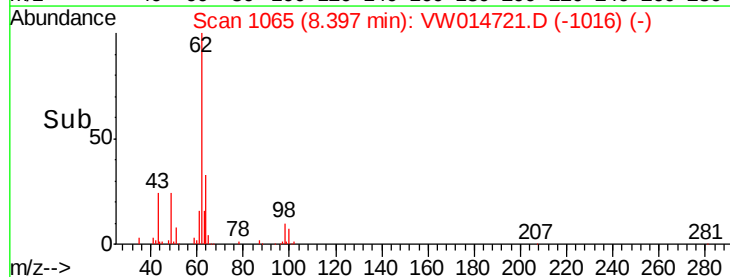
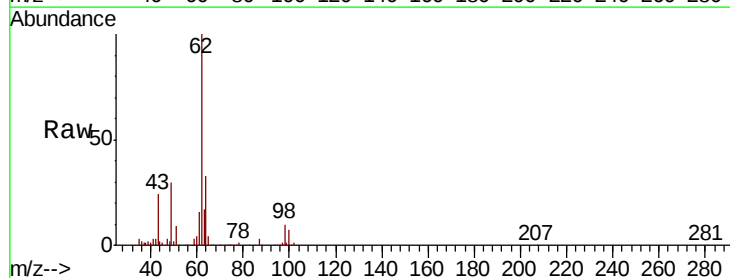
Instrument :
MSVOA_W
ClientSampled :

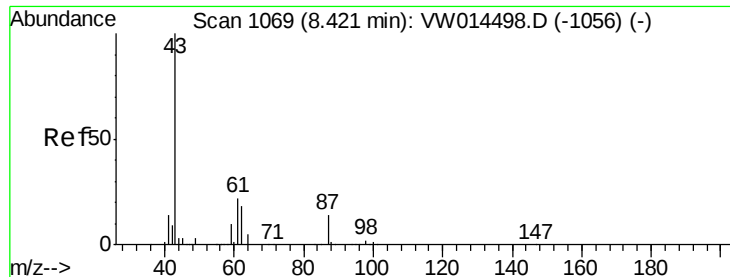
Tot Ion:	41	Resp:	54806
Ion	Ratio	Lower	Upper
41	100		
39	52.2	46.0	69.0
67	73.7	60.8	91.2
52	29.4	23.7	35.5



#42
1,2-Dichloroethane
Concen: 24.996 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW014721.D
Acq: 23 Jan 2020 13:10

Tgt Ion:	62	Resp:	169586
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	22.0





#43

Isopropyl Acetate

Concen: 24.191 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW014721.D

Acq: 23 Jan 2020 13:10

Instrument :

MSVOA_W

ClientSampleId :

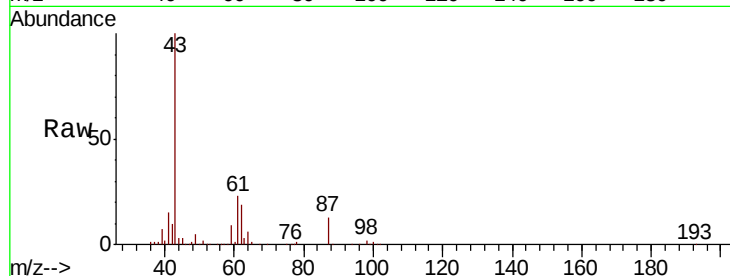
Tot Ion: 43 Resp: 184090

Ion Ratio Lower Upper

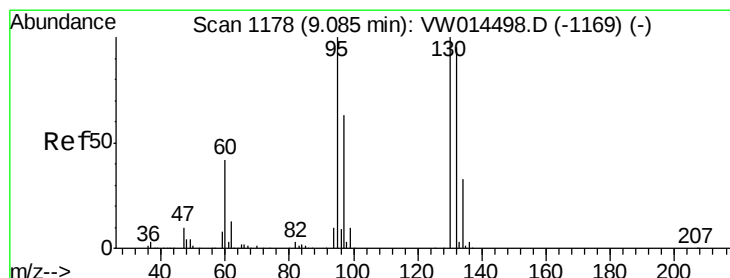
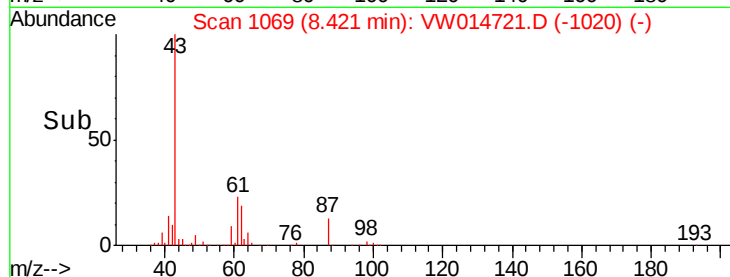
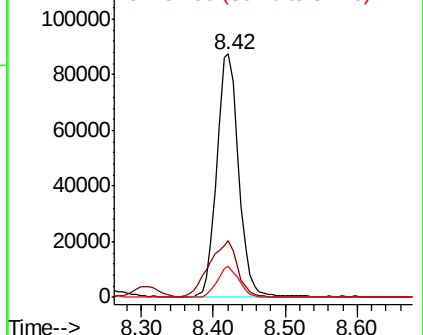
43 100

61 30.1 24.7 37.1

87 12.5 11.1 16.7



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 22.969 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VW014721.D

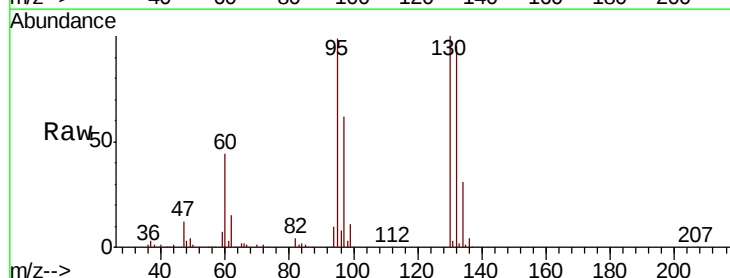
Acq: 23 Jan 2020 13:10

Tgt Ion:130 Resp: 162490

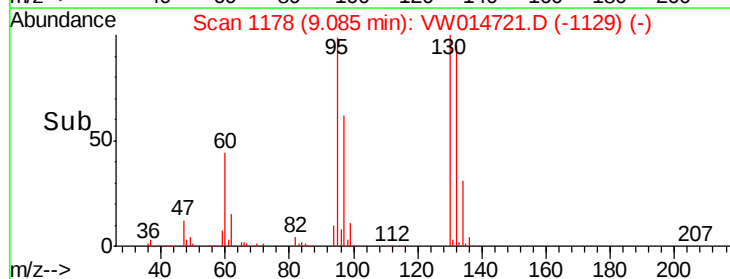
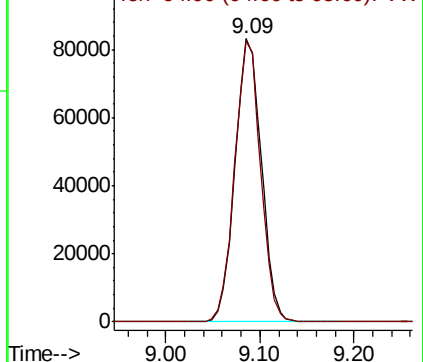
Ion Ratio Lower Upper

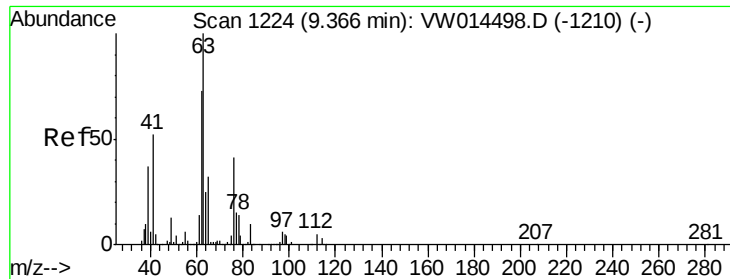
130 100

95 99.0 0.0 199.4



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 24.406 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW014721.D

Acq: 23 Jan 2020 13:10

Instrument :

MSVOA_W

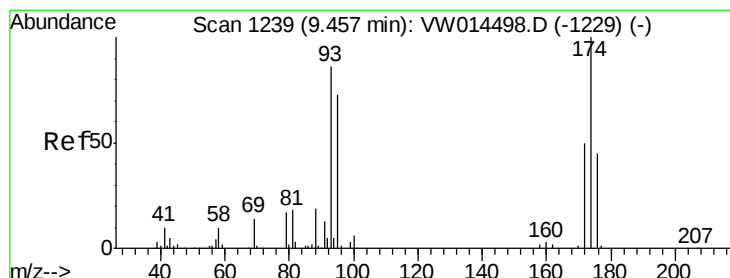
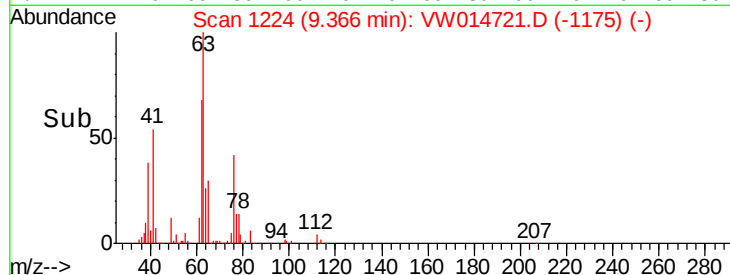
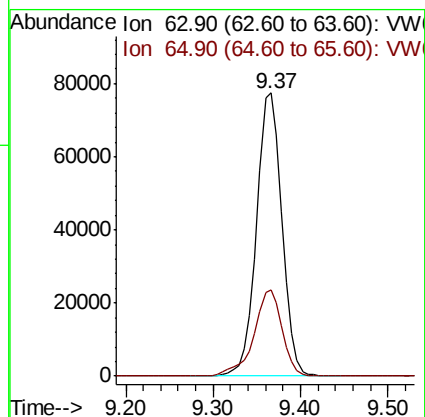
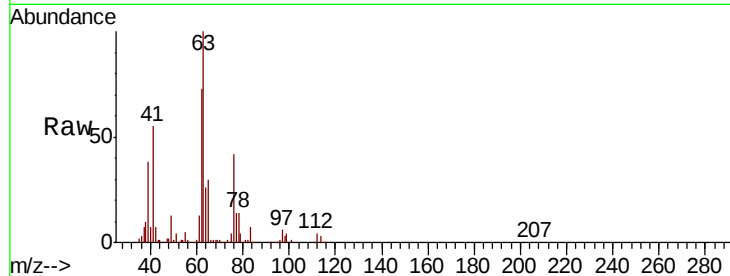
ClientSampleId :

Tot Ion: 63 Resp: 156573

Ion Ratio Lower Upper

63 100

65 30.3 25.6 38.4



#46

Dibromomethane

Concen: 23.256 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW014721.D

Acq: 23 Jan 2020 13:10

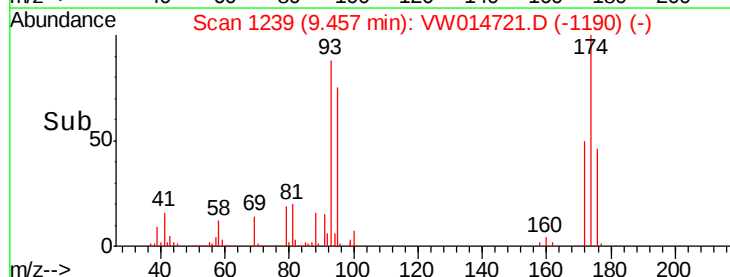
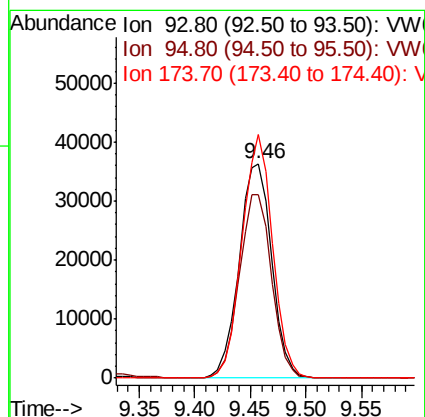
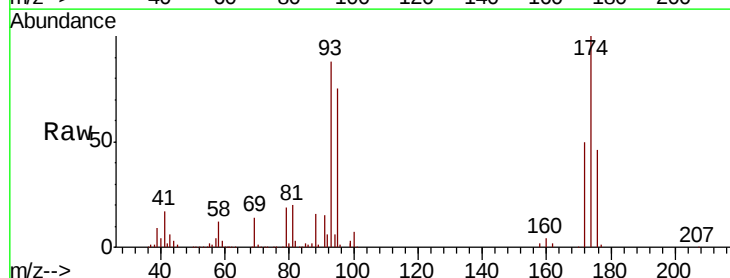
Tgt Ion: 93 Resp: 73653

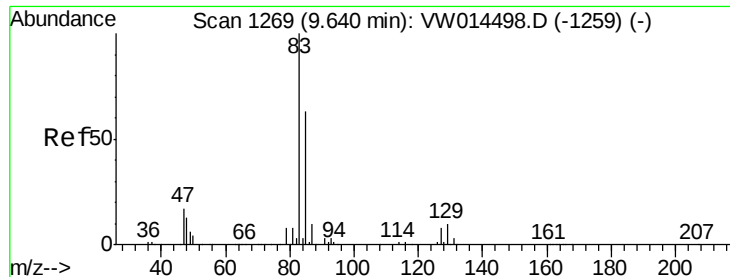
Ion Ratio Lower Upper

93 100

95 85.0 66.4 99.6

174 107.1 89.1 133.7





#47

Bromodichloromethane

Concen: 23.798 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW014721.D

Acq: 23 Jan 2020 13:10

Instrument :

MSVOA_W

ClientSampled :

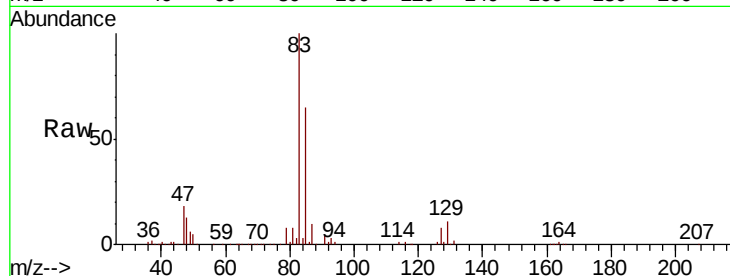
Tot Ion: 83 Resp: 186075

Ion Ratio Lower Upper

83 100

85 64.6 50.6 76.0

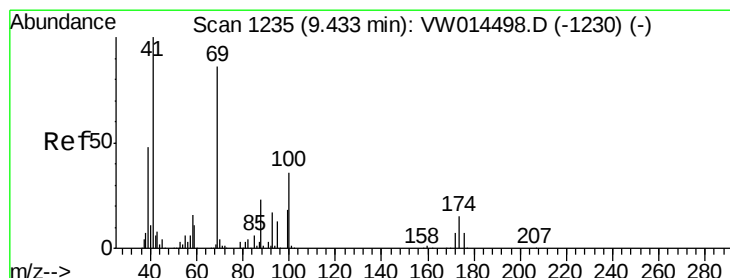
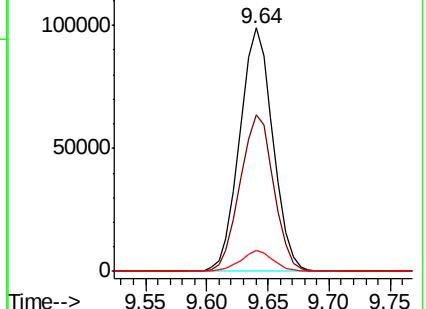
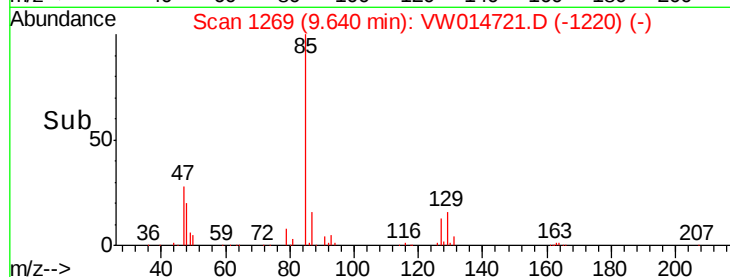
127 8.4 6.6 9.8



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 21.305 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.00 min

Lab File: VW014721.D

Acq: 23 Jan 2020 13:10

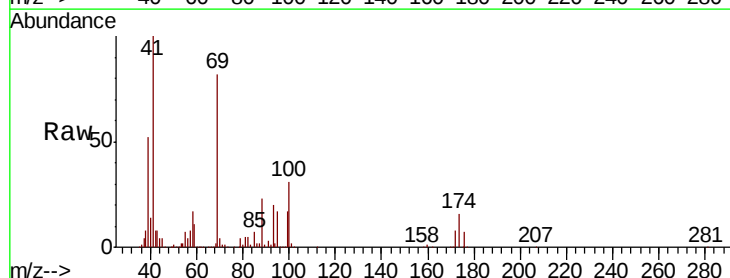
Tgt Ion: 41 Resp: 79156

Ion Ratio Lower Upper

41 100

69 92.3 68.3 102.5

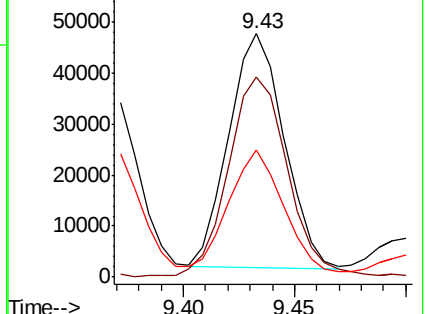
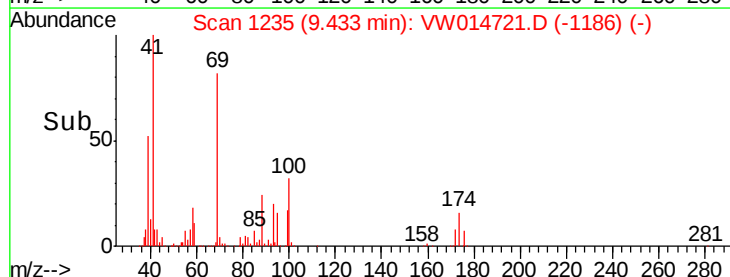
39 51.2 36.8 55.2

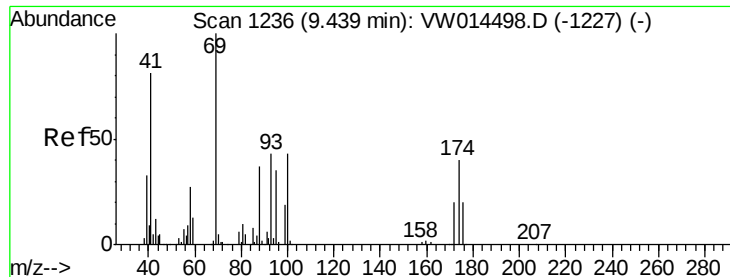


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 467.223 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VW014721.D

Acq: 23 Jan 2020 13:10

Instrument :
MSVOA_W
ClientSampleId :

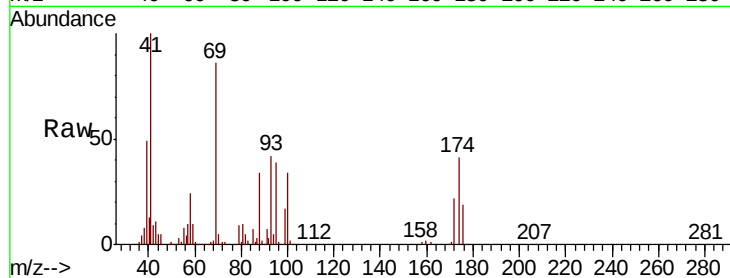
Tot Ion: 88 Resp: 27676

Ion Ratio Lower Upper

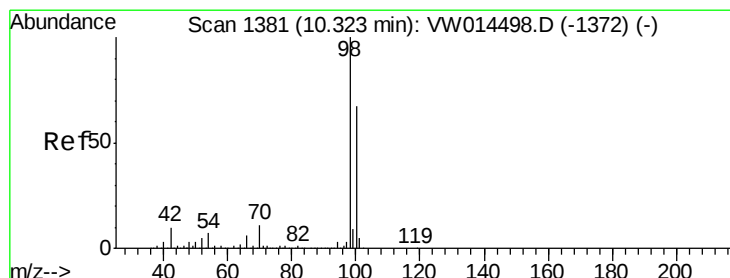
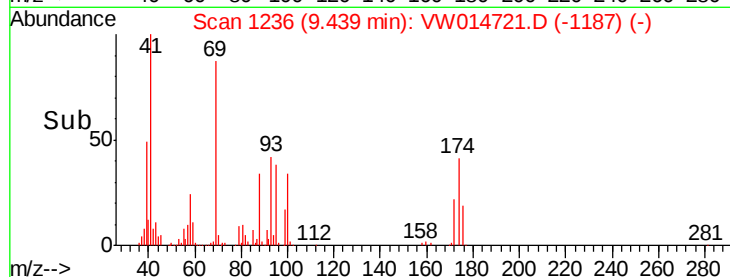
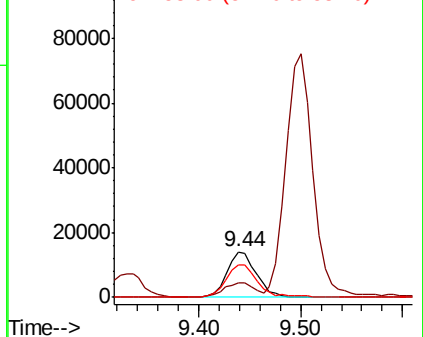
88 100

43 32.2 24.9 37.3

58 78.2 56.9 85.3



Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 53.876 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW014721.D

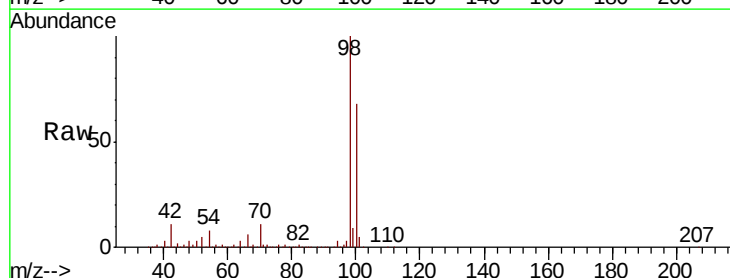
Acq: 23 Jan 2020 13:10

Tgt Ion: 98 Resp: 1231628

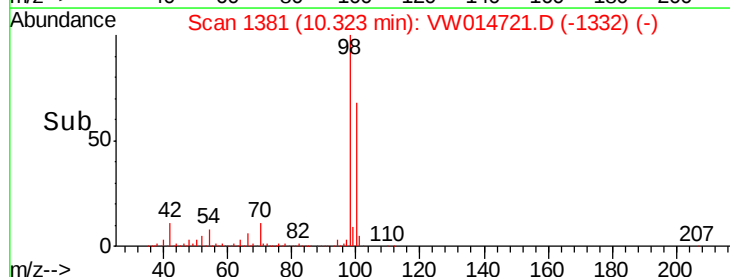
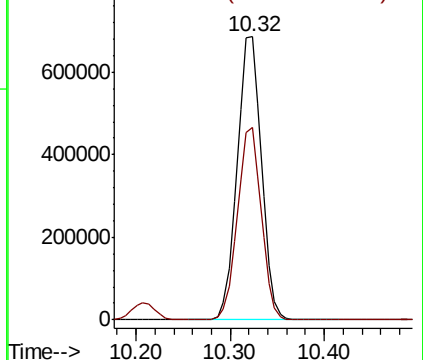
Ion Ratio Lower Upper

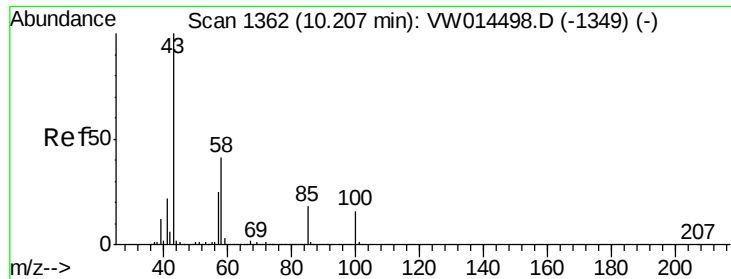
98 100

100 66.5 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

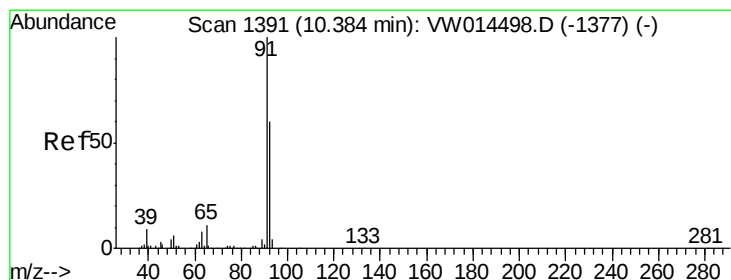
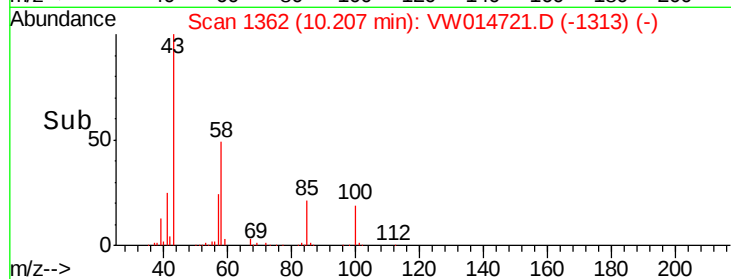
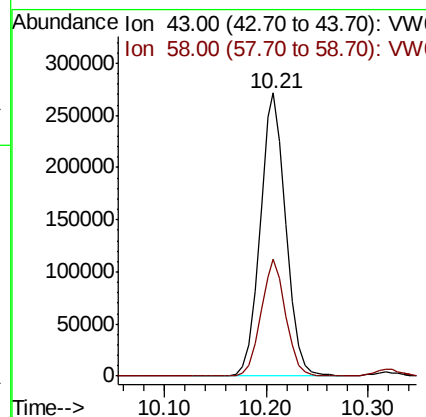
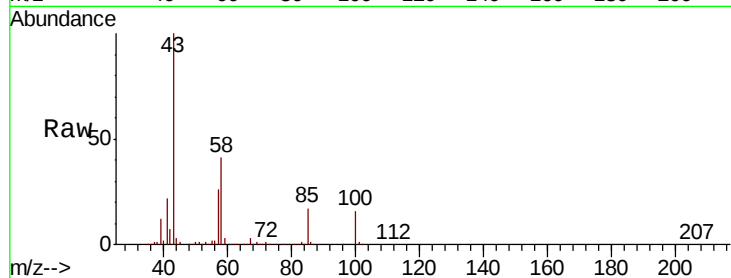




#51
4-Methyl-2-Pentanone
Concen: 120.134 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VW014721.D
Acq: 23 Jan 2020 13:10

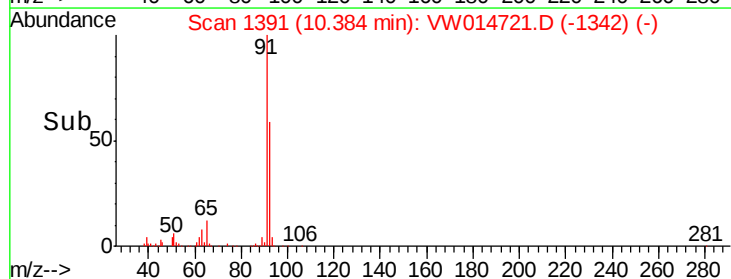
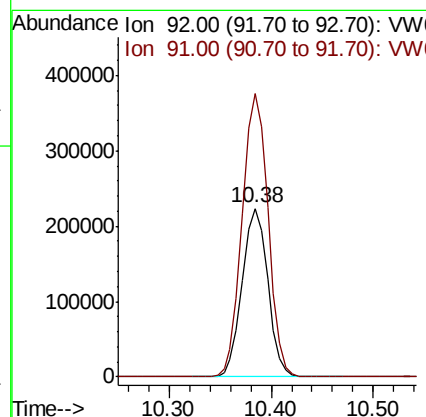
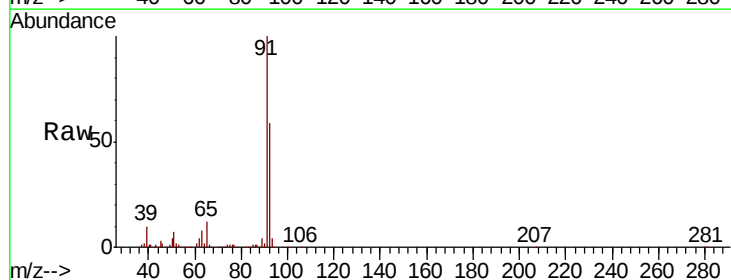
Instrument :
MSVOA_W
ClientSampled :

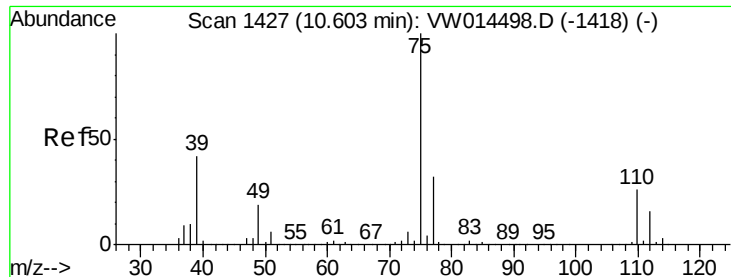
Tot Ion: 43 Resp: 474746
Ion Ratio Lower Upper
43 100
58 39.9 32.7 49.1



#52
Toluene
Concen: 23.700 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VW014721.D
Acq: 23 Jan 2020 13:10

Tgt Ion: 92 Resp: 389802
Ion Ratio Lower Upper
92 100
91 170.1 134.1 201.1





#53

t-1,3-Dichloropropene

Concen: 22.961 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW014721.D

Acq: 23 Jan 2020 13:10

Instrument :

MSVOA_W

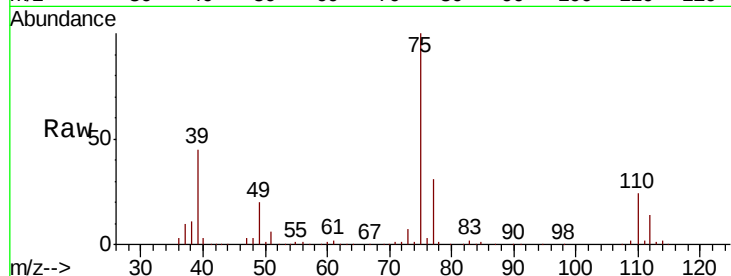
ClientSampleId :

Tot Ion: 75 Resp: 185886

Ion Ratio Lower Upper

75 100

77 31.4 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

10.60

120000

100000

80000

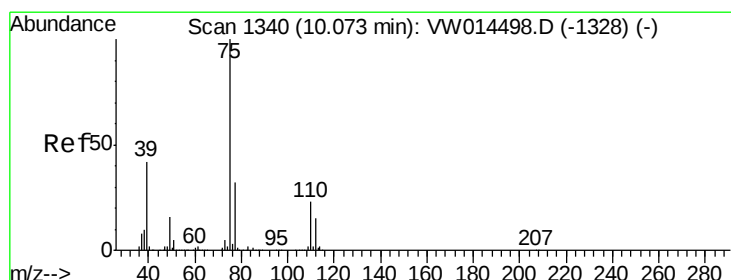
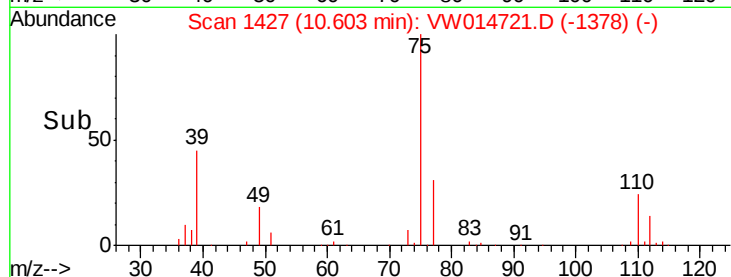
60000

40000

20000

0

Time--> 10.50 10.60



#54

cis-1,3-Dichloropropene

Concen: 23.346 ug/l

RT: 10.07 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VW014721.D

Acq: 23 Jan 2020 13:10

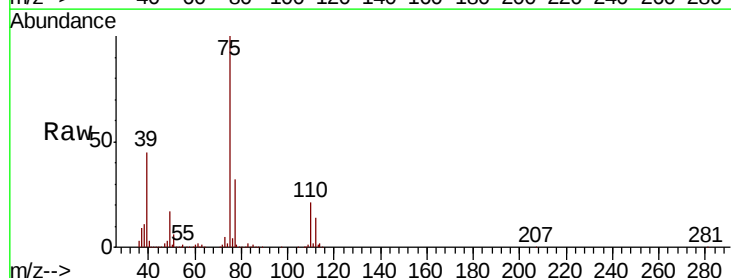
Tgt Ion: 75 Resp: 230997

Ion Ratio Lower Upper

75 100

77 32.1 25.4 38.0

39 45.4 33.4 50.2



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

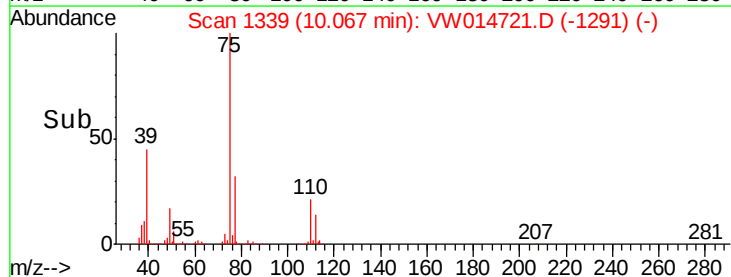
150000

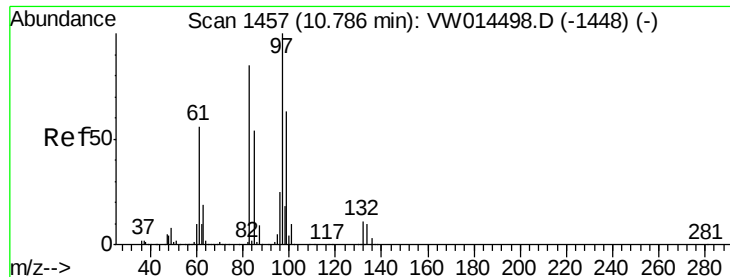
100000

50000

0

Time--> 10.00 10.10

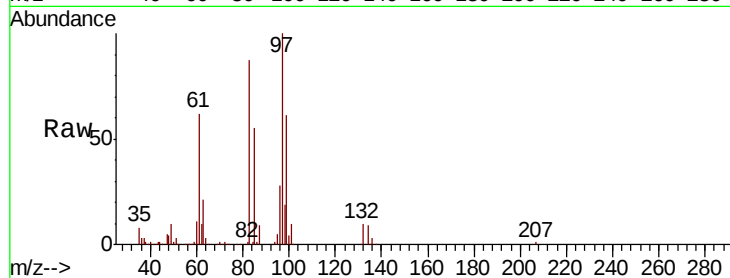




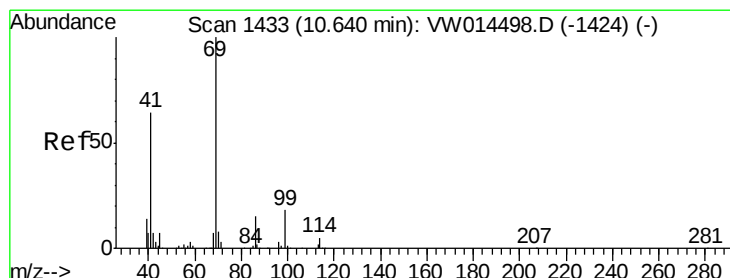
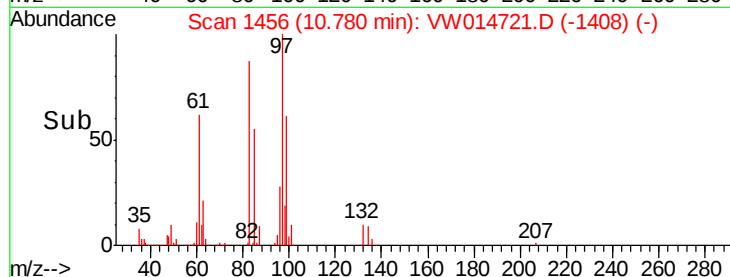
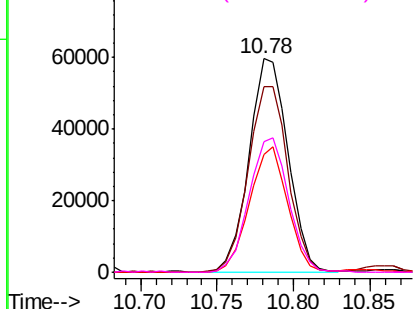
#55
 1,1,2-Trichloroethane
 Concen: 22.844 ug/l
 RT: 10.78 min Scan# 1456
 Delta R.T. -0.01 min
 Lab File: VW014721.D
 Acq: 23 Jan 2020 13:10

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:	97	Resp:	105662
Ion	Ratio	Lower	Upper
97	100		
83	86.9	68.2	102.4
85	55.4	43.0	64.4
99	61.0	50.1	75.1

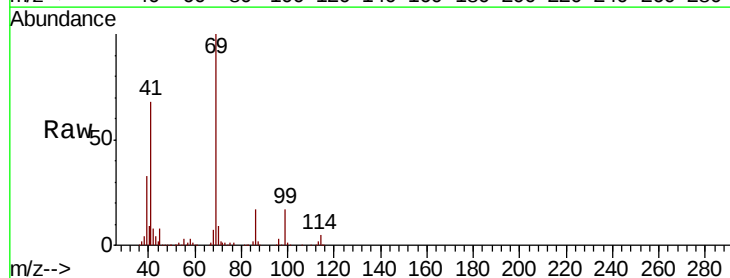


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

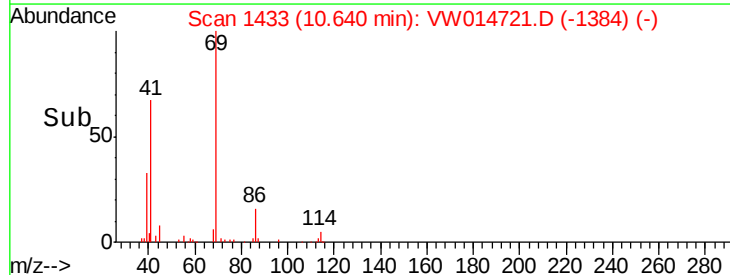
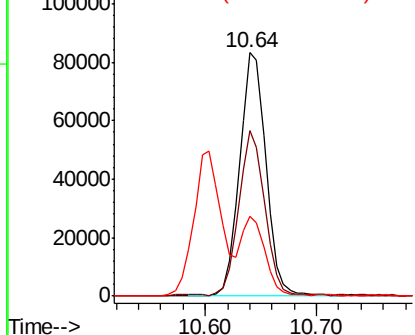


#56
 Ethyl methacrylate
 Concen: 22.741 ug/l
 RT: 10.64 min Scan# 1433
 Delta R.T. -0.00 min
 Lab File: VW014721.D
 Acq: 23 Jan 2020 13:10

Tgt Ion:	69	Resp:	136698
Ion	Ratio	Lower	Upper
69	100		
41	66.9	51.3	76.9
39	28.0	21.0	31.6



Abundance Ion 69.00 (68.70 to 69.70): VW
 Ion 41.00 (40.70 to 41.70): VW
 Ion 39.00 (38.70 to 39.70): VW

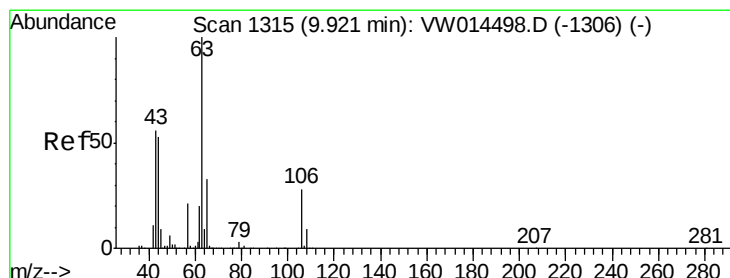
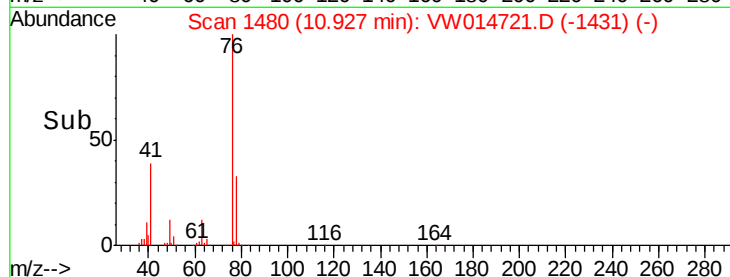
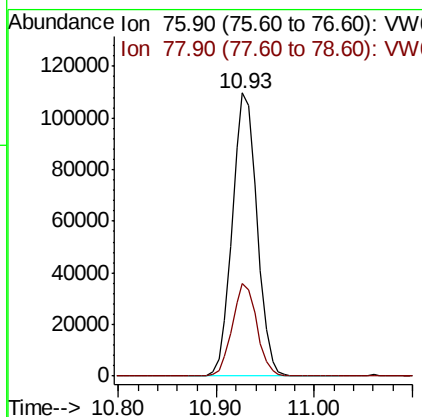
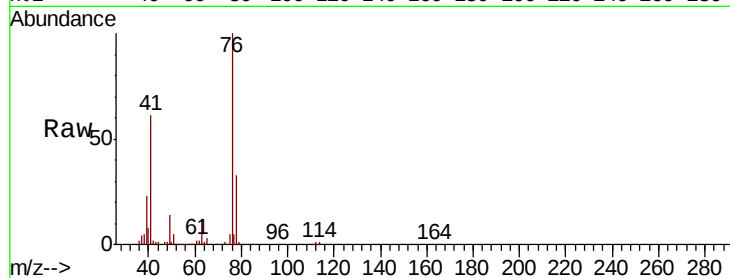




#57
 1,3-Dichloropropane
 Concen: 23.680 ug/l
 RT: 10.93 min Scan# 1480
 Delta R.T. -0.00 min
 Lab File: VW014721.D
 Acq: 23 Jan 2020 13:10

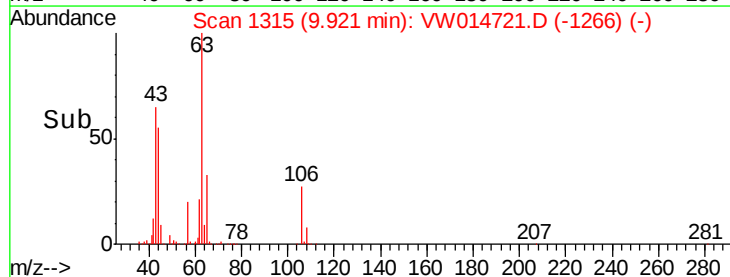
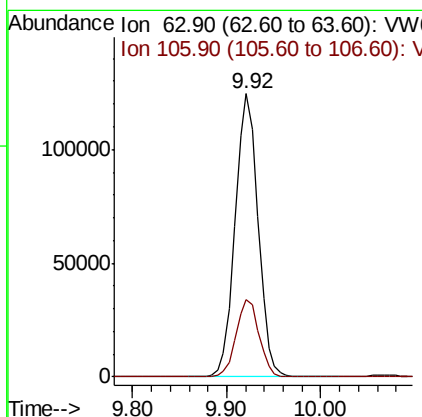
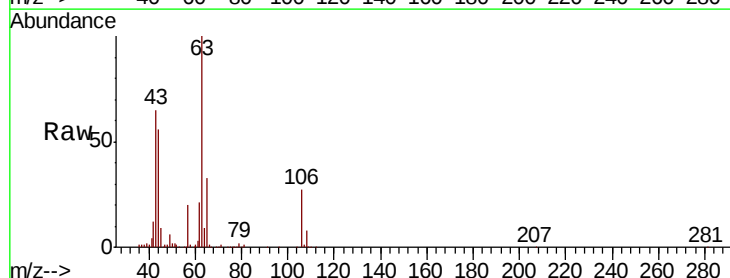
Instrument :
 MSVOA_W
 ClientSampled :

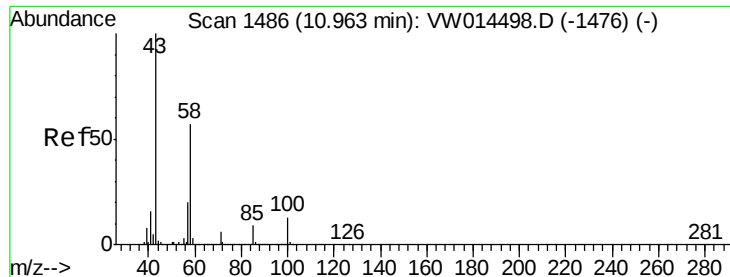
Tot Ion: 76 Resp: 192500
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 115.280 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW014721.D
 Acq: 23 Jan 2020 13:10

Tgt Ion: 63 Resp: 210756
 Ion Ratio Lower Upper
 63 100
 106 27.4 23.0 34.6

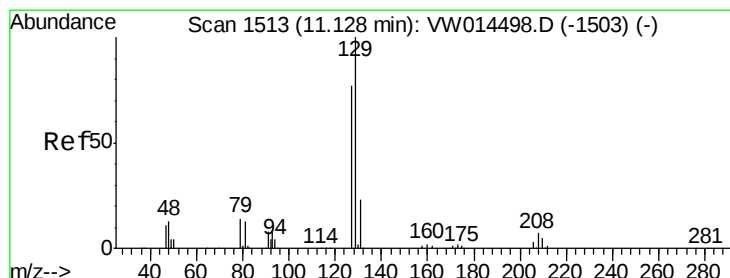
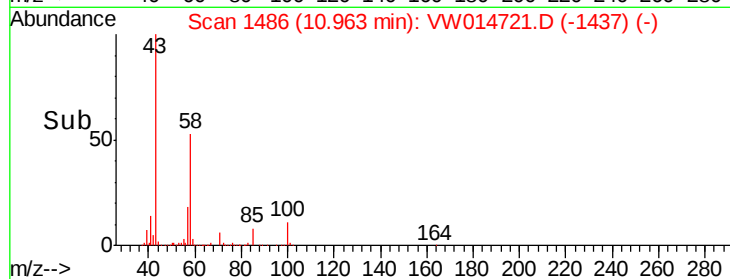
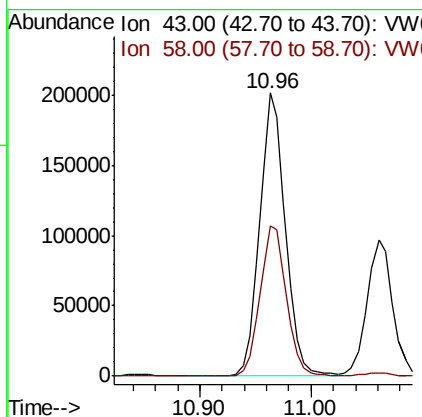
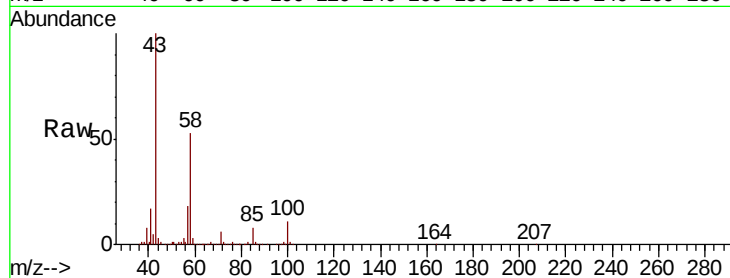




#59
2-Hexanone
Concen: 118.952 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. 0.00 min
Lab File: VW014721.D
Acq: 23 Jan 2020 13:10

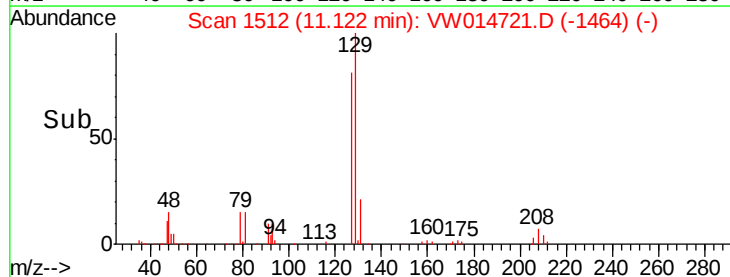
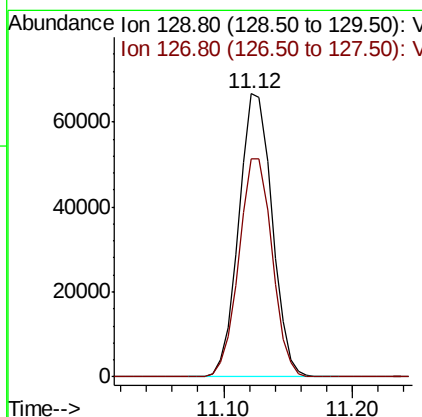
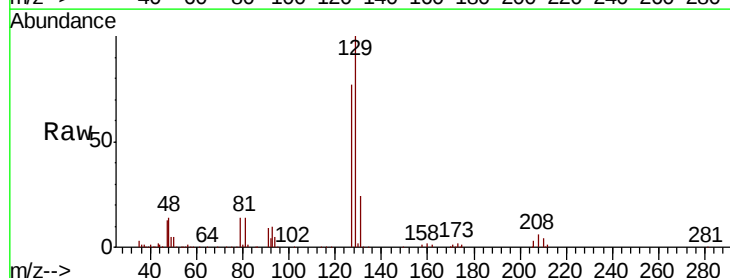
Instrument :
MSVOA_W
ClientSampled :

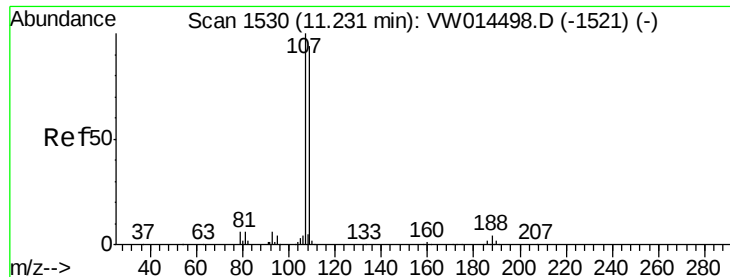
Tot Ion: 43 Resp: 323923
Ion Ratio Lower Upper
43 100
58 54.6 28.7 86.3



#60
Dibromochloromethane
Concen: 22.861 ug/l
RT: 11.12 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VW014721.D
Acq: 23 Jan 2020 13:10

Tgt Ion: 129 Resp: 119308
Ion Ratio Lower Upper
129 100
127 77.2 38.1 114.5





#61

1,2-Dibromoethane

Concen: 22.833 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW014721.D

Acq: 23 Jan 2020 13:10

Instrument :

MSVOA_W

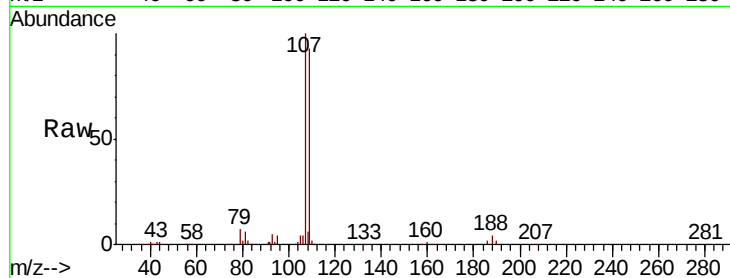
ClientSampleId :

Tot Ion:107 Resp: 100252

Ion Ratio Lower Upper

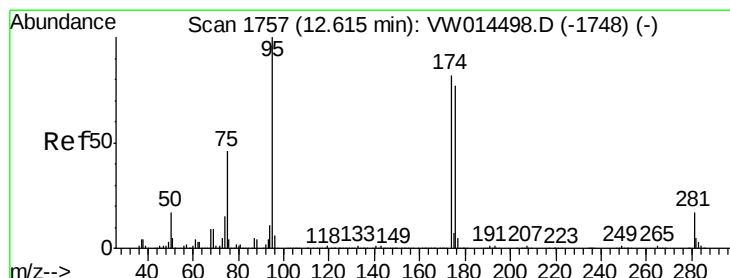
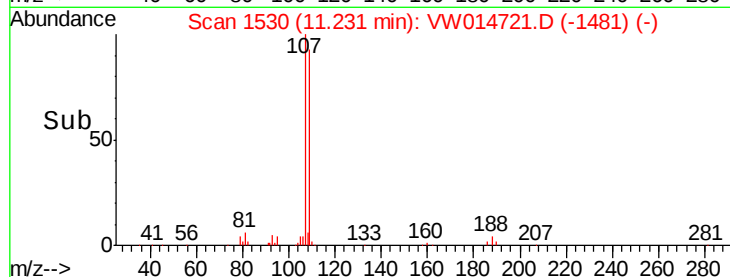
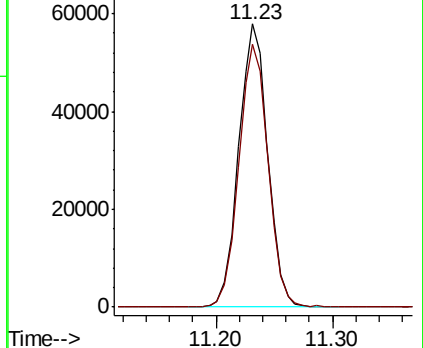
107 100

109 93.6 75.1 112.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 54.117 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW014721.D

Acq: 23 Jan 2020 13:10

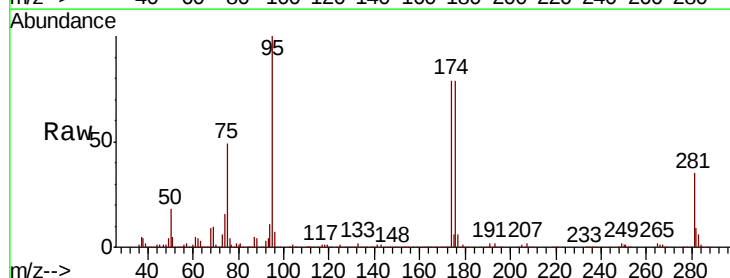
Tgt Ion: 95 Resp: 419624

Ion Ratio Lower Upper

95 100

174 81.7 0.0 168.6

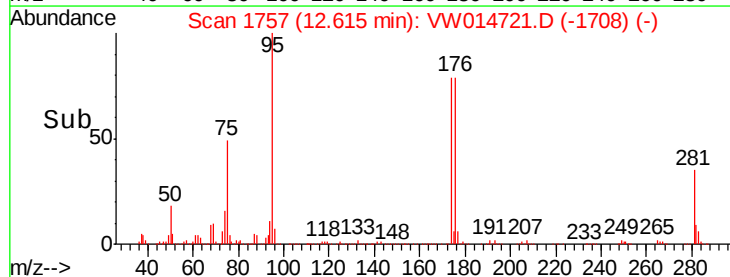
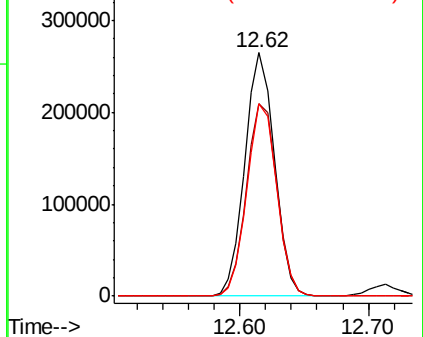
176 79.7 0.0 162.0

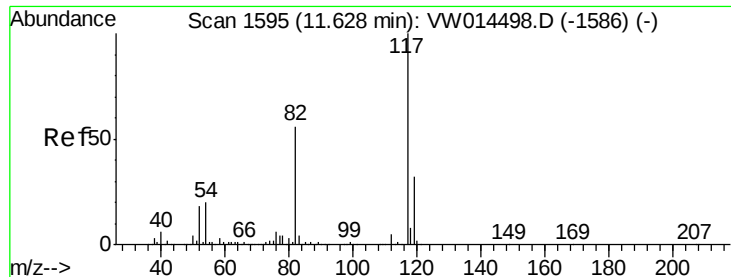


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

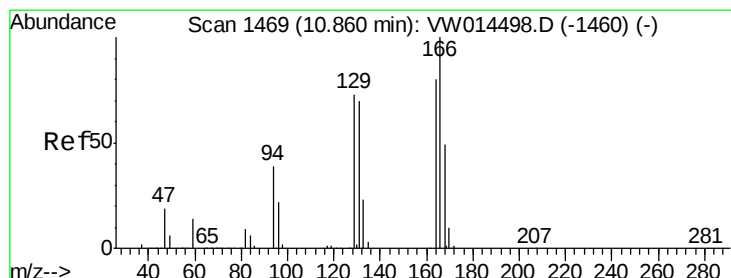
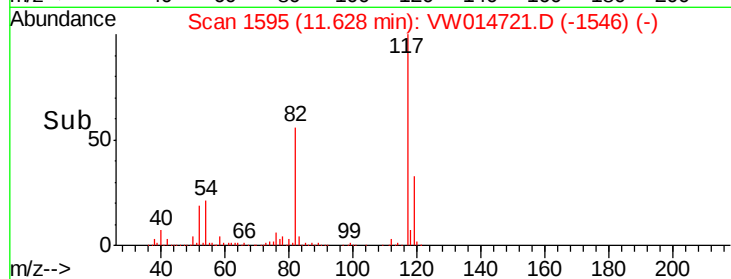
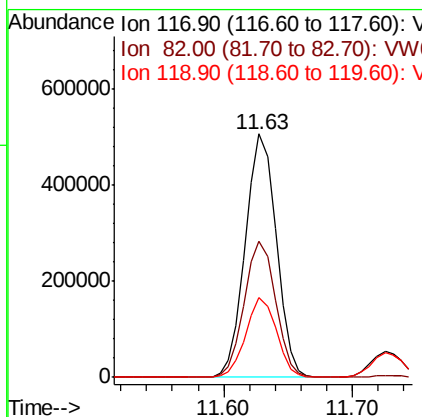
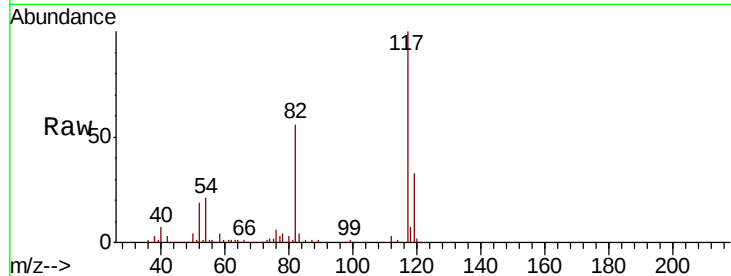




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW014721.D
Acq: 23 Jan 2020 13:10

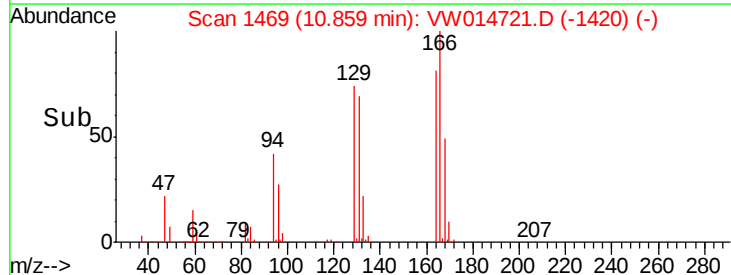
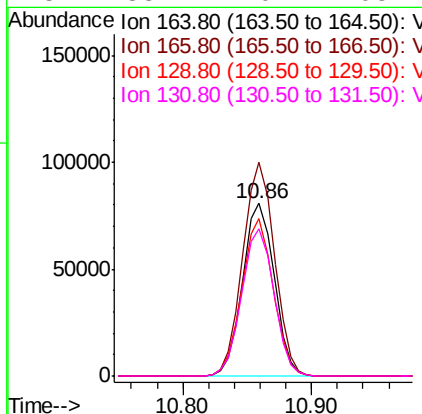
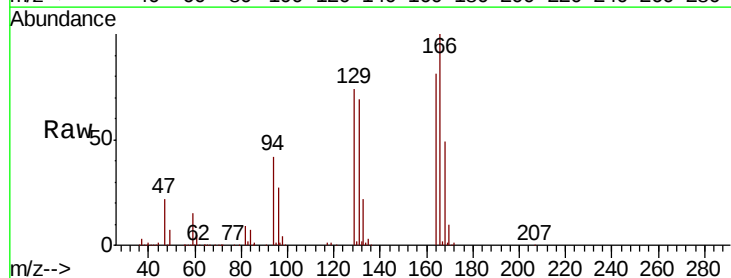
Instrument :
MSVOA_W
ClientSampleId :

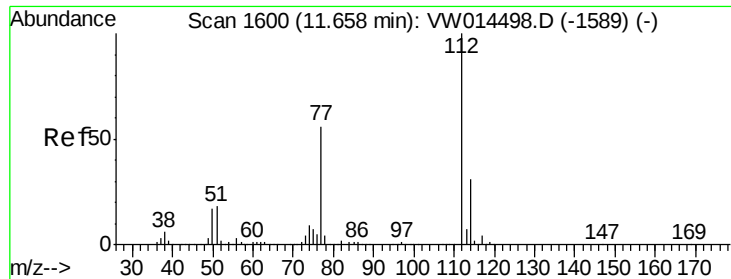
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.1	44.6	67.0
119	32.7	25.7	38.5



#64
Tetrachloroethene
Concen: 22.472 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW014721.D
Acq: 23 Jan 2020 13:10

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.7	99.8	149.6
129	91.4	72.4	108.6
131	85.1	70.1	105.1

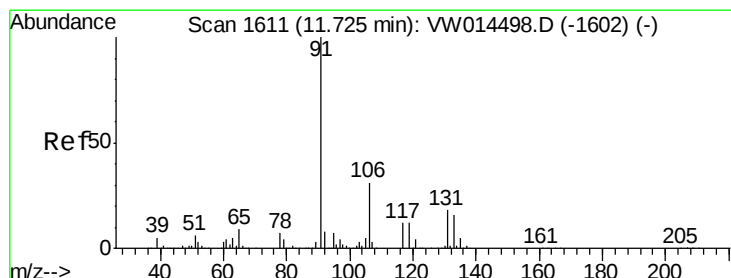
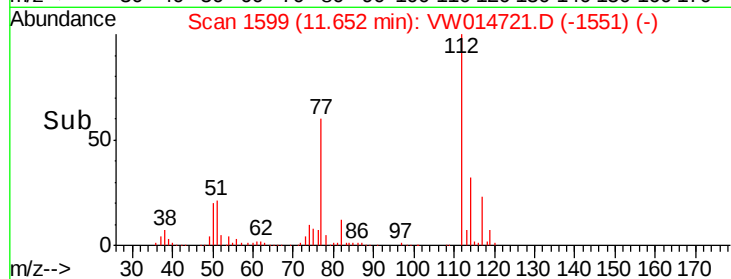
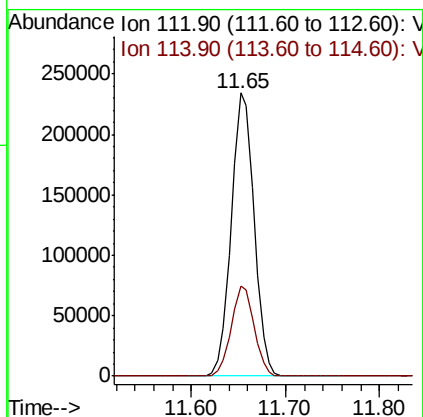
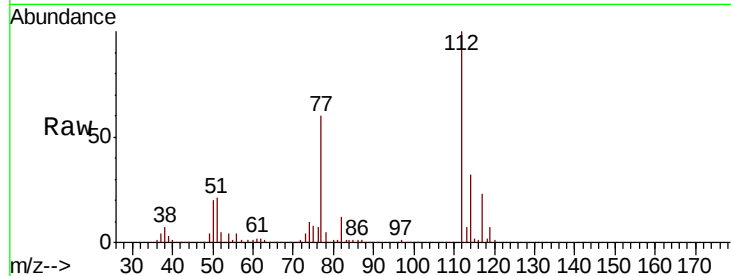




#65
Chlorobenzene
Concen: 22.852 ug/l
RT: 11.65 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VW014721.D
Acq: 23 Jan 2020 13:10

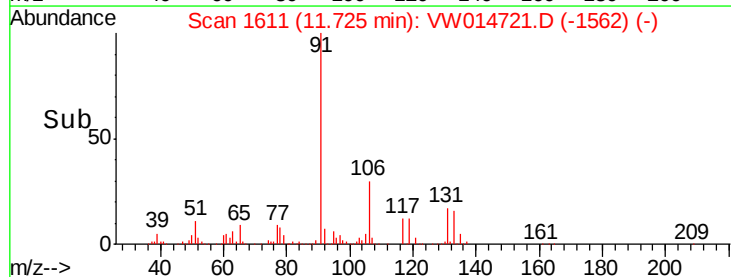
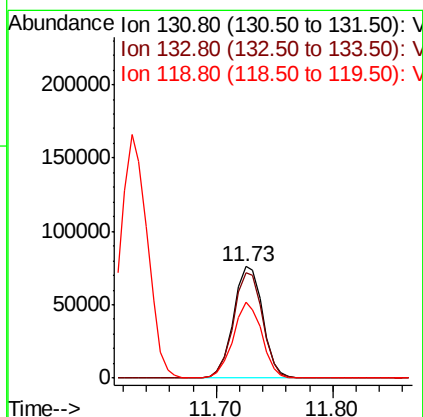
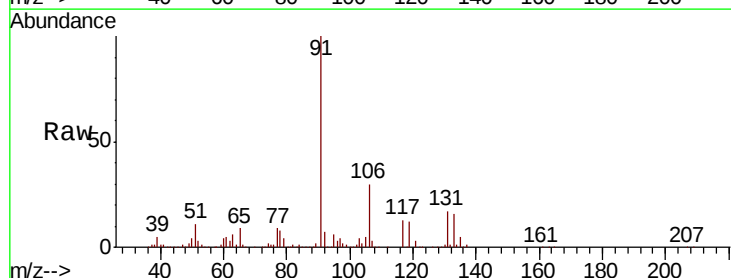
Instrument :
MSVOA_W
ClientSampled :

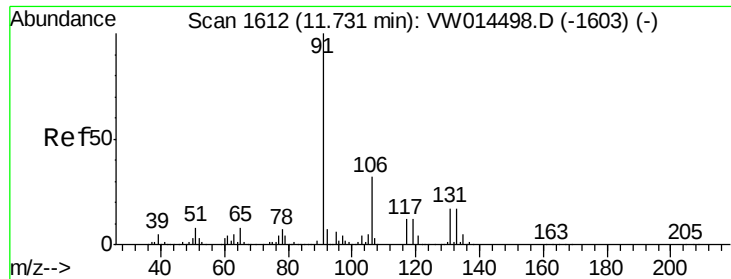
Tot Ion:112 Resp: 394283
Ion Ratio Lower Upper
112 100
114 31.9 24.6 37.0



#66
1,1,1,2-Tetrachloroethane
Concen: 22.939 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.00 min
Lab File: VW014721.D
Acq: 23 Jan 2020 13:10

Tgt Ion:131 Resp: 133256
Ion Ratio Lower Upper
131 100
133 94.3 47.3 142.0
119 66.1 33.1 99.3

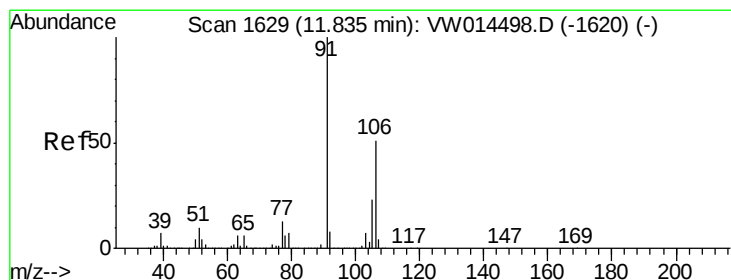
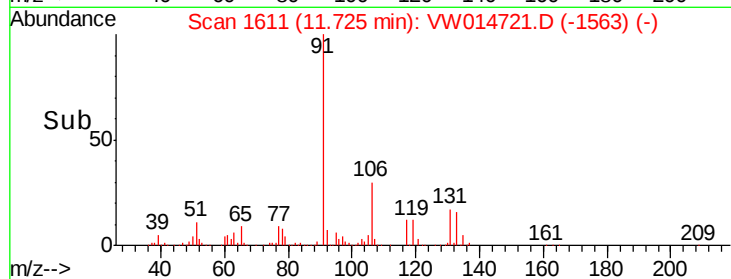
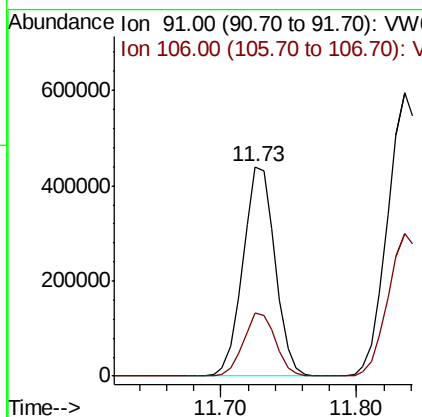
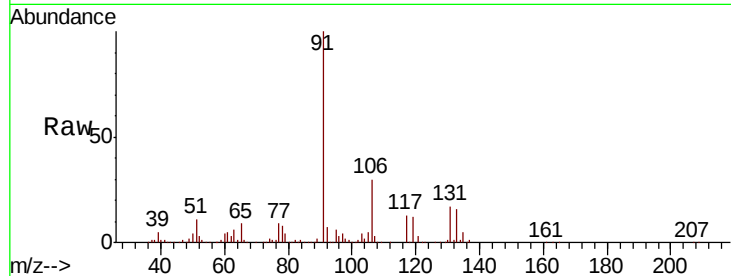




#67
Ethyl Benzene
Concen: 23.337 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW014721.D
Acq: 23 Jan 2020 13:10

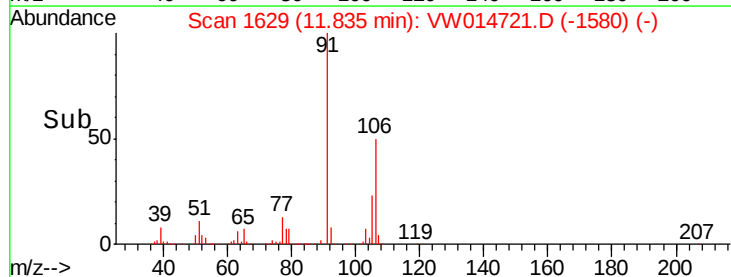
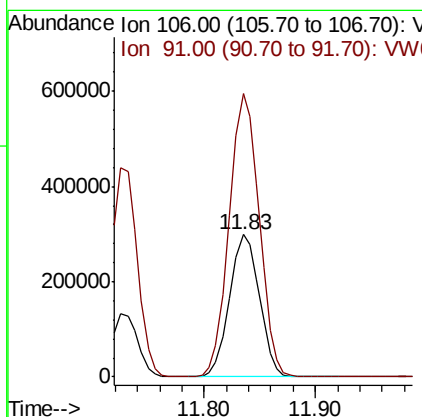
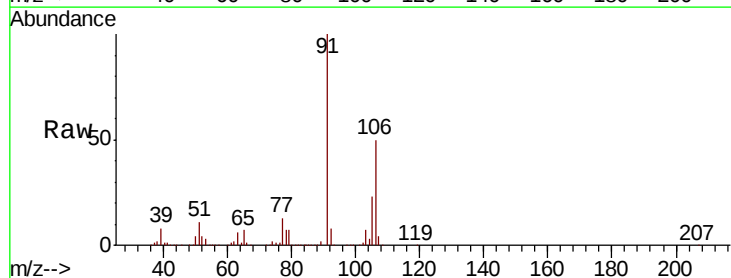
Instrument :
MSVOA_W
ClientSampled :

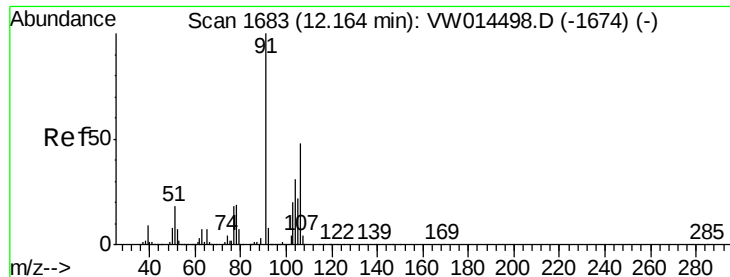
Tot Ion: 91 Resp: 725619
Ion Ratio Lower Upper
91 100
106 30.1 25.5 38.3



#68
m/p-Xylenes
Concen: 46.608 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW014721.D
Acq: 23 Jan 2020 13:10

Tgt Ion: 106 Resp: 554638
Ion Ratio Lower Upper
106 100
91 200.0 159.0 238.6

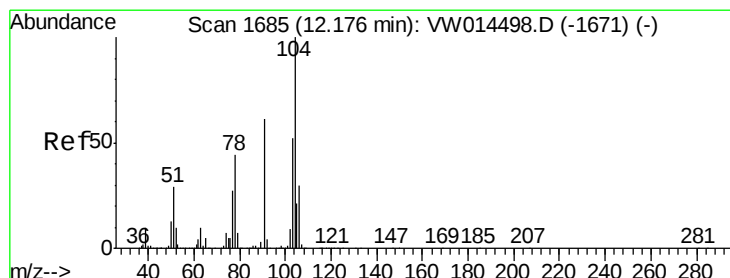
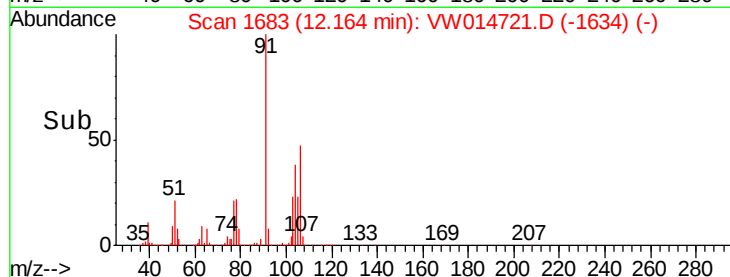
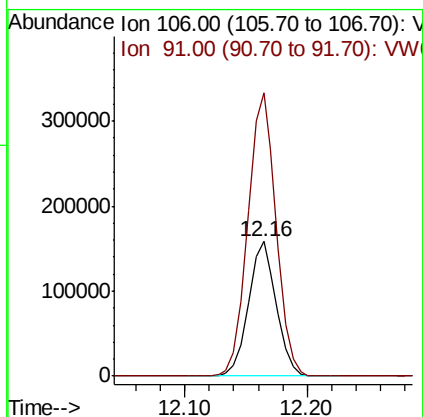
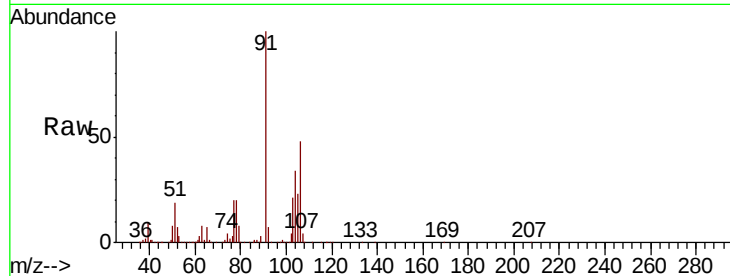




#69
o-Xylene
Concen: 22.666 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW014721.D
Acq: 23 Jan 2020 13:10

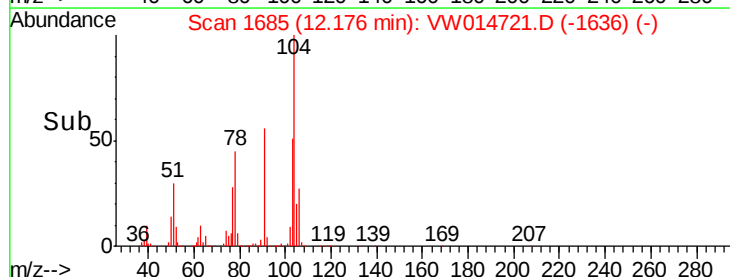
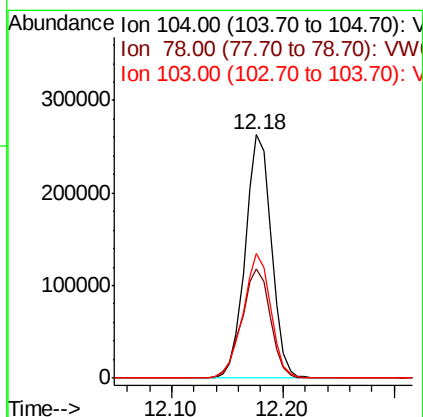
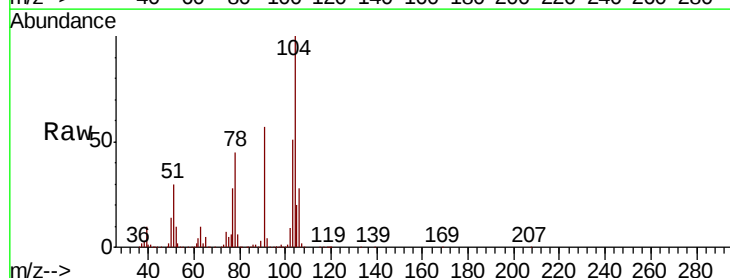
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:106 Resp: 249157
Ion Ratio Lower Upper
106 100
91 214.0 105.2 315.6



#70
Styrene
Concen: 23.091 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW014721.D
Acq: 23 Jan 2020 13:10

Tgt Ion:104 Resp: 429321
Ion Ratio Lower Upper
104 100
78 49.0 38.4 57.6
103 54.1 43.7 65.5





#71

Bromoform

Concen: 21.656 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW014721.D

Acq: 23 Jan 2020 13:10

Instrument :

MSVOA_W

ClientSampled :

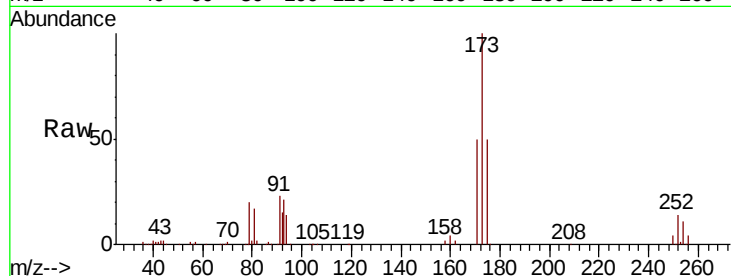
Tot Ion:173 Resp: 68620

Ion Ratio Lower Upper

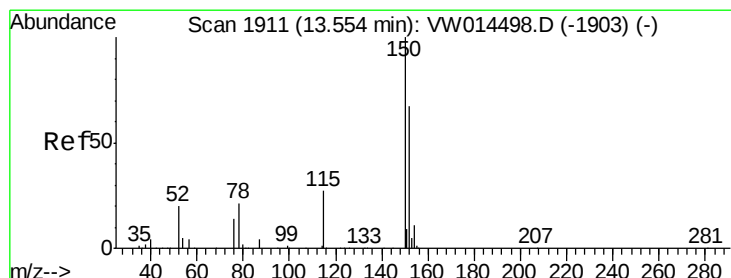
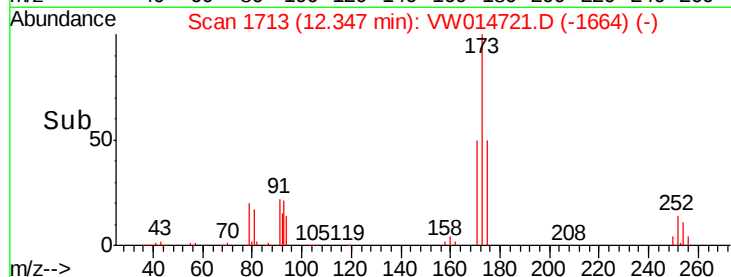
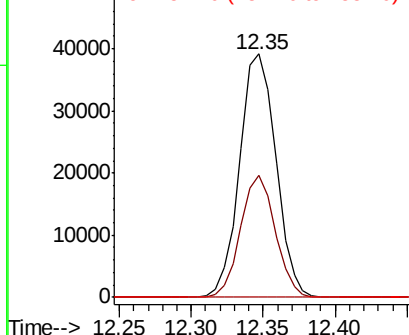
173 100

175 47.7 24.5 73.5

254 0.2 0.0 0.0#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.55 min Scan# 1911

Delta R.T. 0.00 min

Lab File: VW014721.D

Acq: 23 Jan 2020 13:10

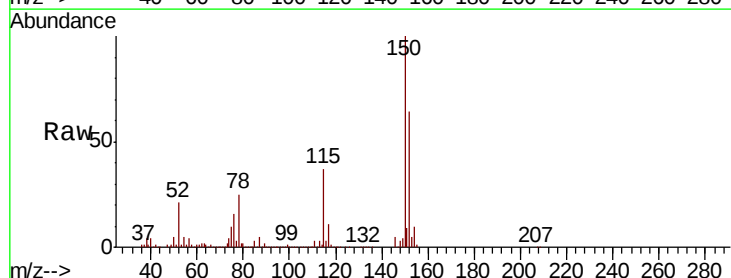
Tgt Ion:152 Resp: 412279

Ion Ratio Lower Upper

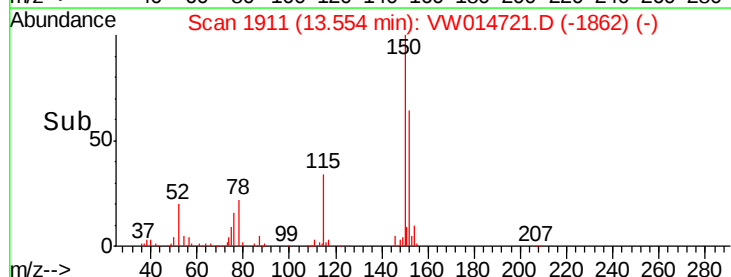
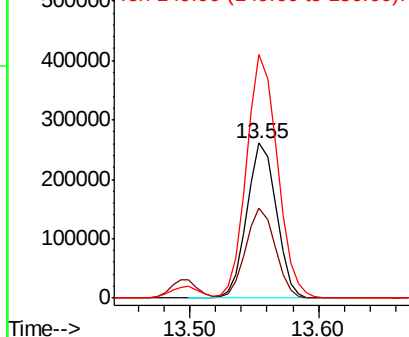
152 100

115 57.7 27.7 83.1

150 165.3 0.0 343.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.865 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW014721.D

Acq: 23 Jan 2020 13:10

Instrument :

MSVOA_W

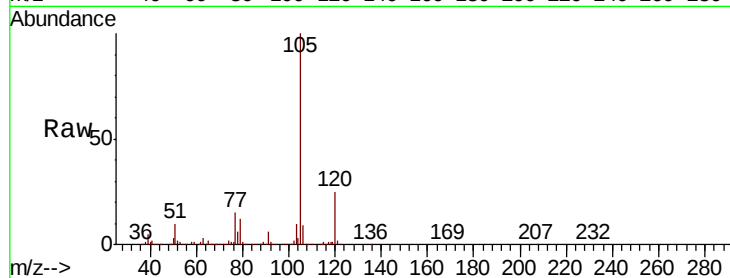
ClientSampled :

Tot Ion:105 Resp: 691694

Ion Ratio Lower Upper

105 100

120 26.3 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

500000

400000

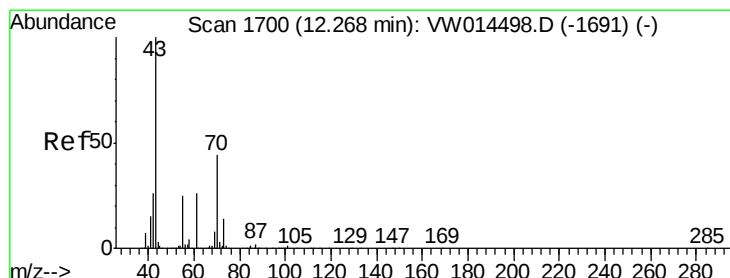
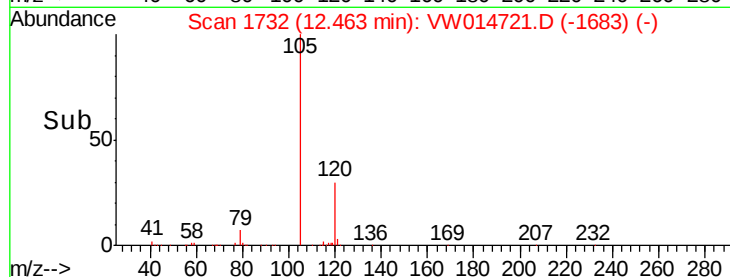
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 23.564 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VW014721.D

Acq: 23 Jan 2020 13:10

Tgt Ion: 43 Resp: 159830

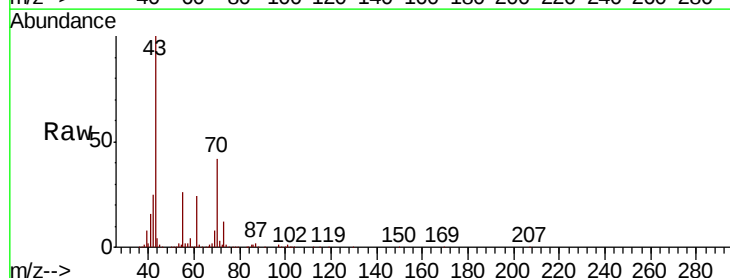
Ion Ratio Lower Upper

43 100

70 42.5 36.5 54.7

55 27.5 20.9 31.3

61 24.4 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

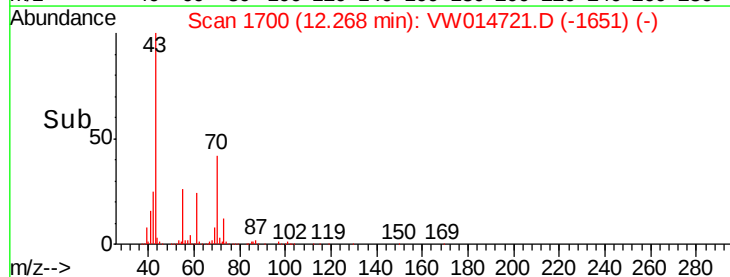
150000

100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 23.100 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW014721.D

Acq: 23 Jan 2020 13:10

Instrument :

MSVOA_W

ClientSampled :

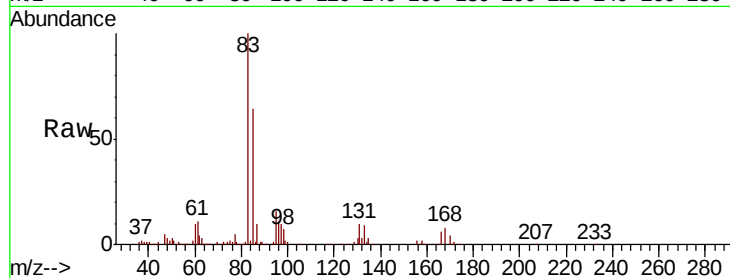
Tot Ion: 83 Resp: 126131

Ion Ratio Lower Upper

83 100

131 10.4 5.1 15.4

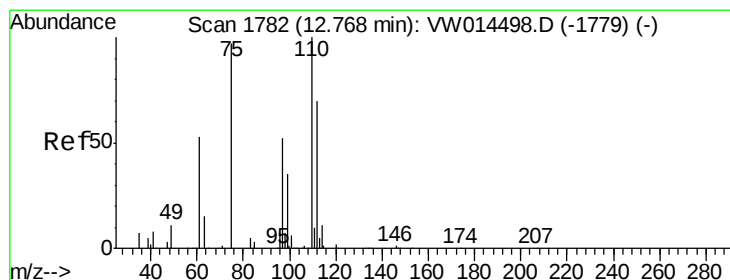
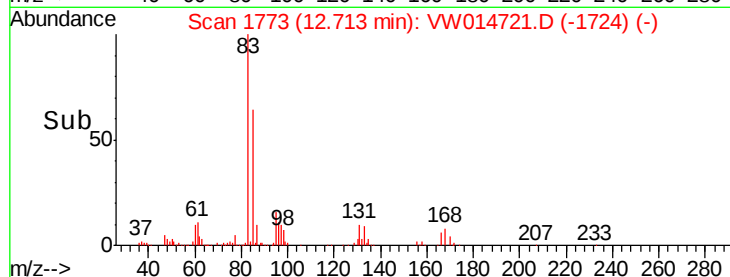
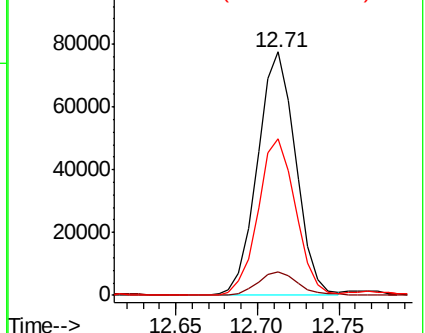
85 63.5 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 40.842 ug/l

RT: 12.76 min Scan# 1781

Delta R.T. -0.01 min

Lab File: VW014721.D

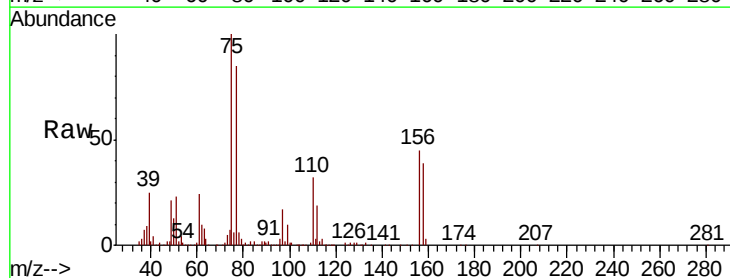
Acq: 23 Jan 2020 13:10

Tgt Ion: 75 Resp: 159202

Ion Ratio Lower Upper

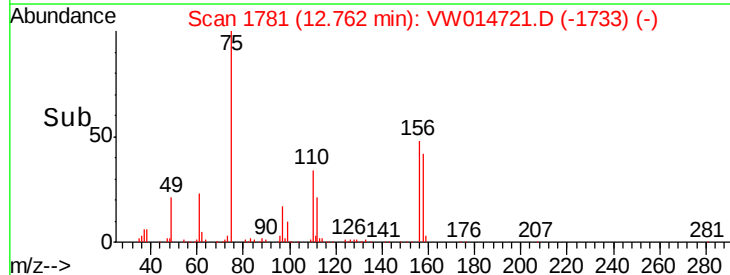
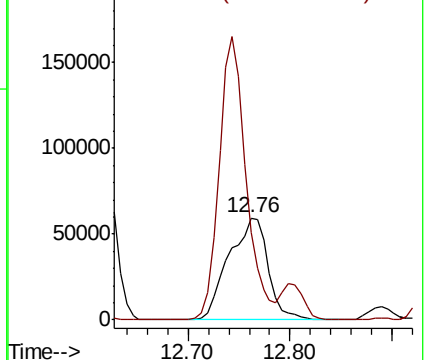
75 100

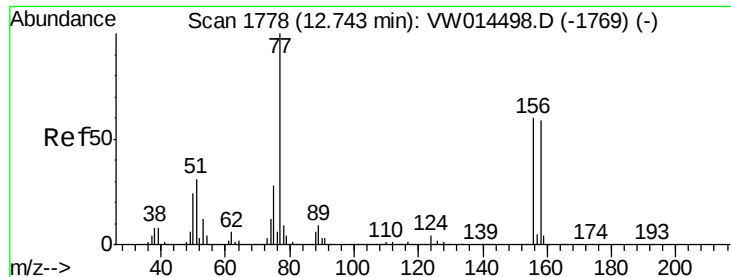
77 191.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 22.454 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW014721.D

Acq: 23 Jan 2020 13:10

Instrument :

MSVOA_W

ClientSampleId :

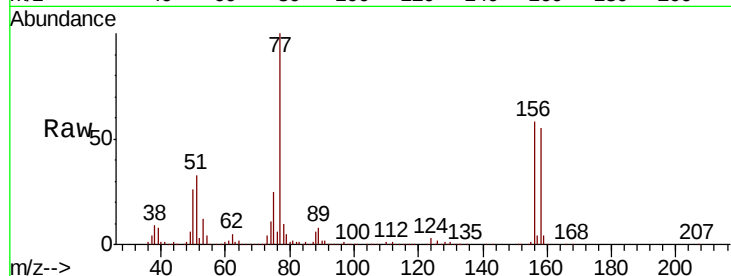
Tot Ion:156 Resp: 157760

Ion Ratio Lower Upper

156 100

77 193.3 92.3 277.1

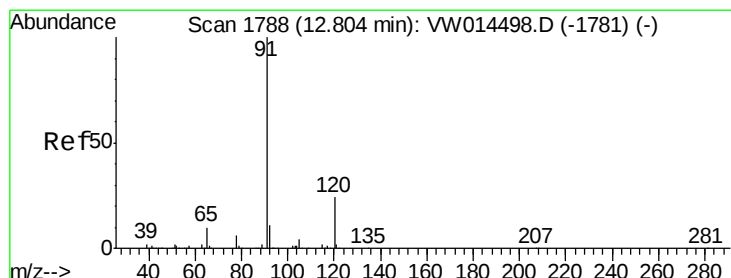
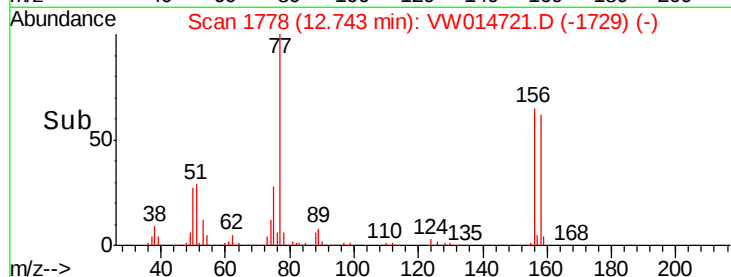
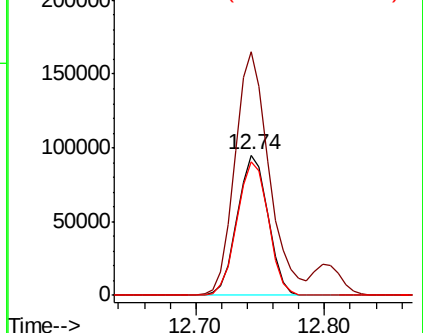
158 96.5 48.6 145.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 23.651 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW014721.D

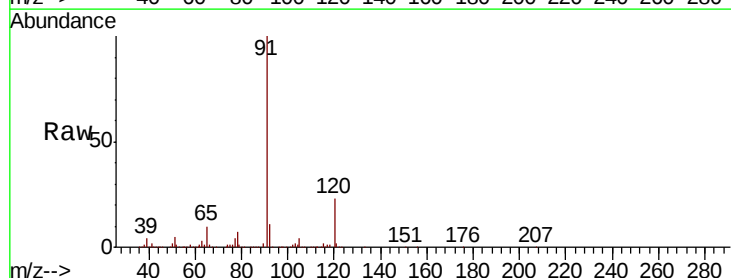
Acq: 23 Jan 2020 13:10

Tgt Ion: 91 Resp: 841320

Ion Ratio Lower Upper

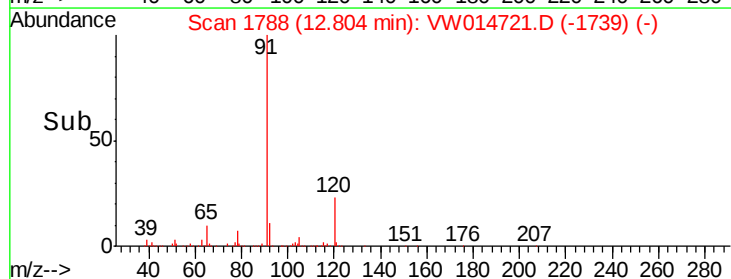
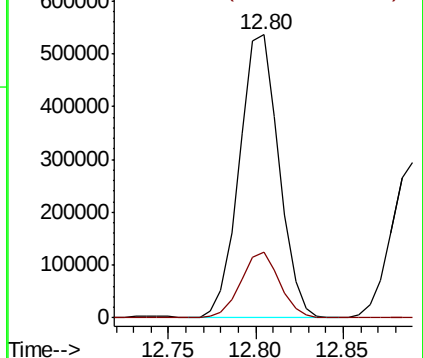
91 100

120 22.8 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 23.376 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW014721.D

Acq: 23 Jan 2020 13:10

Instrument :

MSVOA_W

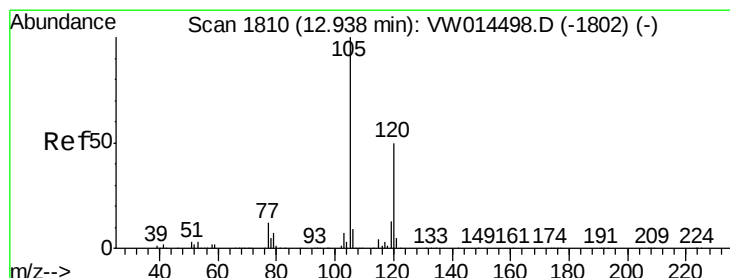
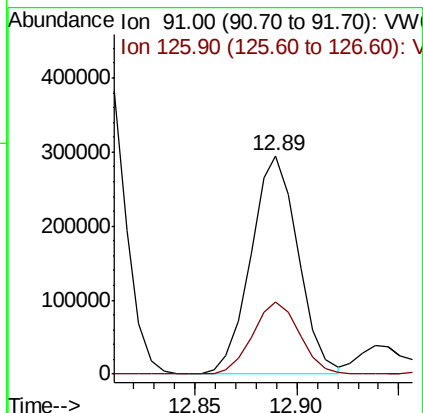
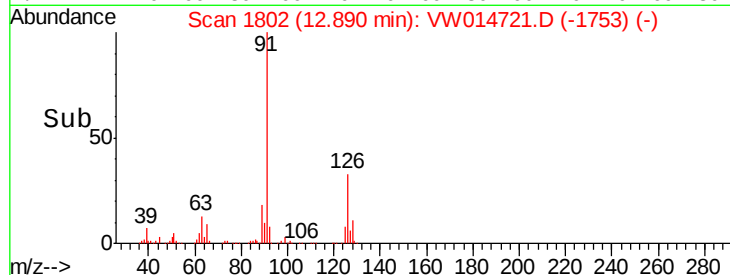
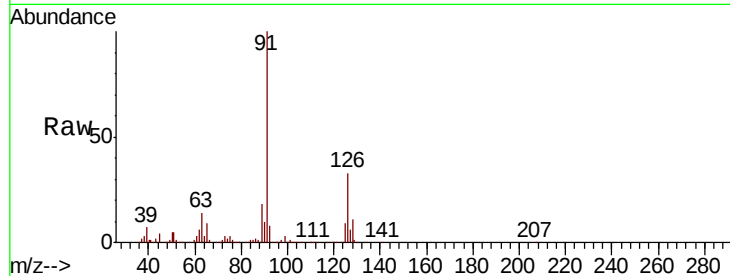
ClientSampled :

Tot Ion: 91 Resp: 473202

Ion Ratio Lower Upper

91 100

126 33.0 17.1 51.2



#80

1,3,5-Trimethylbenzene

Concen: 23.378 ug/l

RT: 12.94 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW014721.D

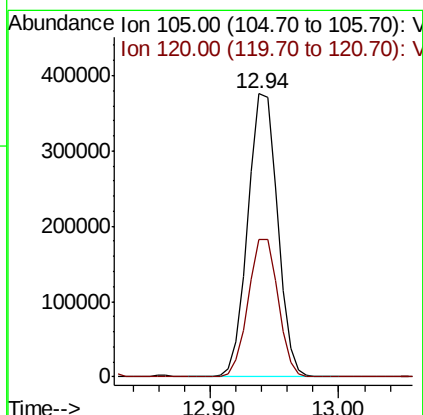
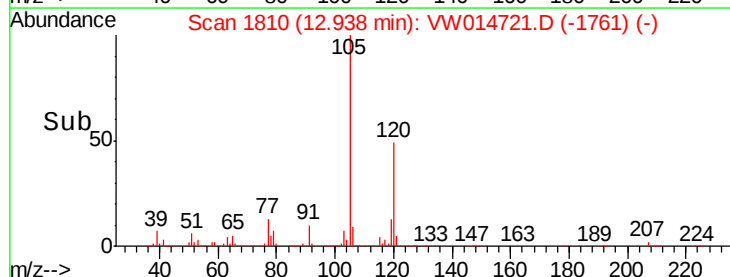
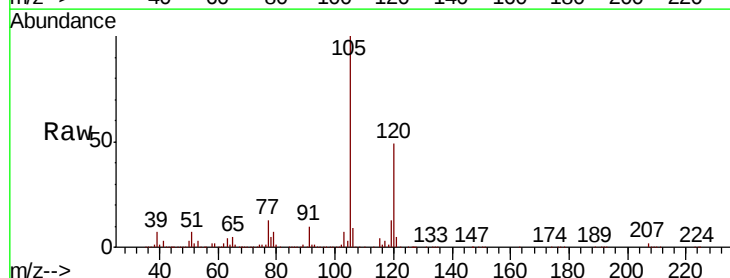
Acq: 23 Jan 2020 13:10

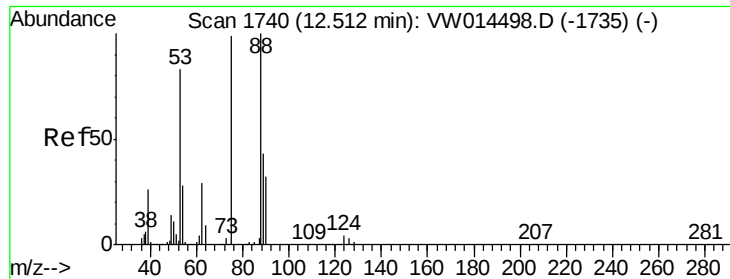
Tgt Ion: 105 Resp: 593800

Ion Ratio Lower Upper

105 100

120 49.3 25.2 75.6





#81

trans-1,4-Dichloro-2-butene

Concen: 21.706 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW014721.D

Acq: 23 Jan 2020 13:10

Instrument :

MSVOA_W

ClientSampleId :

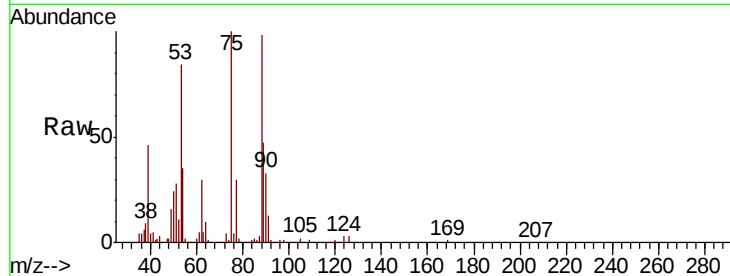
Tot Ion: 75 Resp: 37975

Ion Ratio Lower Upper

75 100

53 94.5 70.9 106.3

89 48.0 35.8 53.8



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 53.00 (52.70 to 53.70): VW
Ion 88.90 (88.60 to 89.60): VW

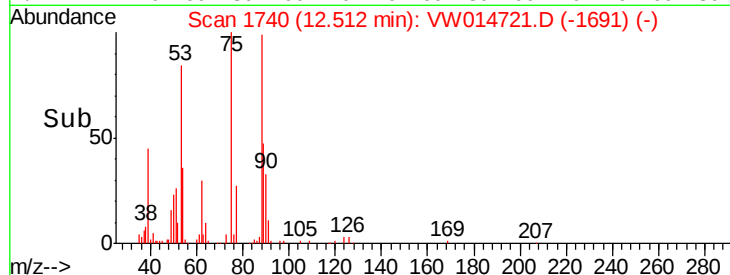
150000

100000

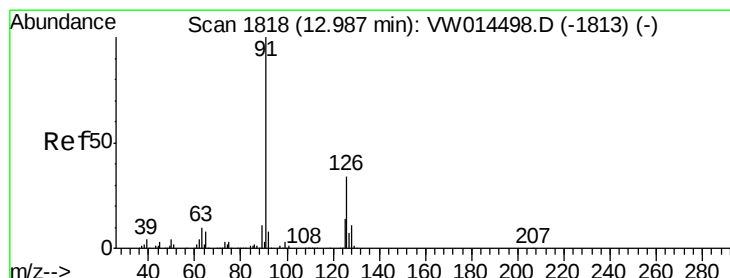
50000

0

12.45 12.50 12.55



Time-->



#82

4-Chlorotoluene

Concen: 23.457 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW014721.D

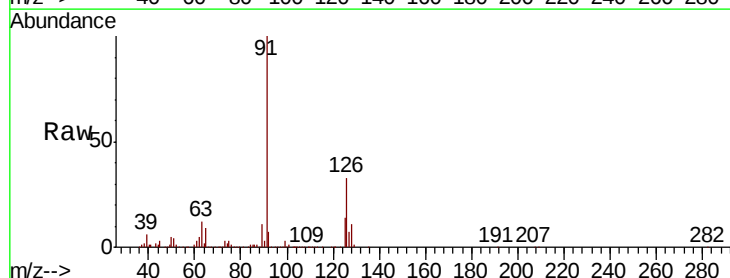
Acq: 23 Jan 2020 13:10

Tgt Ion: 91 Resp: 493330

Ion Ratio Lower Upper

91 100

126 33.4 17.1 51.2



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 125.90 (125.60 to 126.60): V

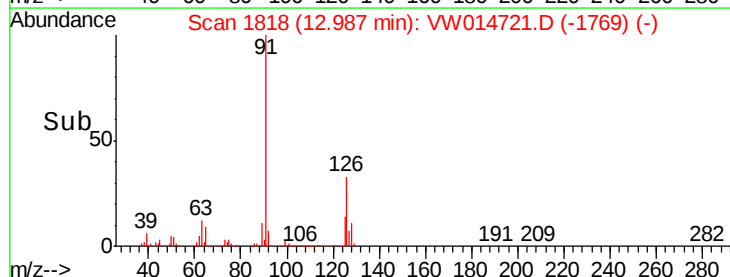
300000

200000

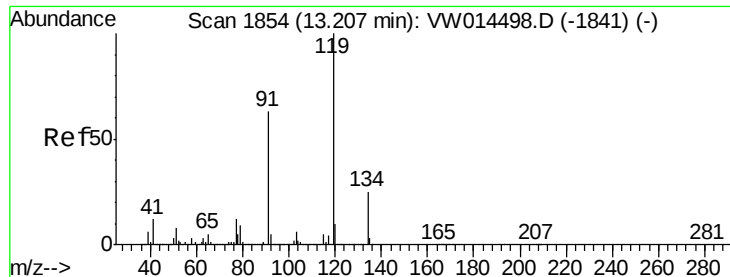
100000

0

12.95 13.00 13.05



Time-->



#83

tert-Butylbenzene

Concen: 22.834 ug/l

RT: 13.20 min Scan# 1853

Delta R.T. -0.01 min

Lab File: VW014721.D

Acq: 23 Jan 2020 13:10

Instrument :

MSVOA_W

ClientSampled :

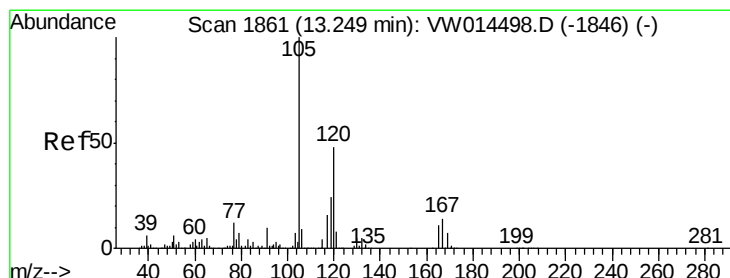
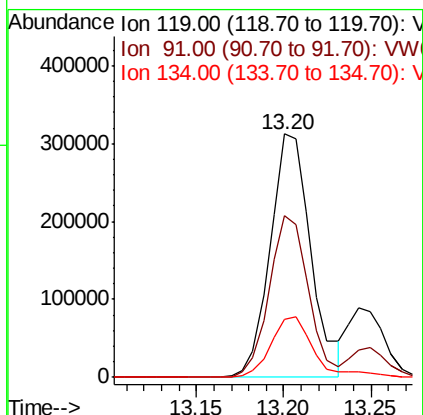
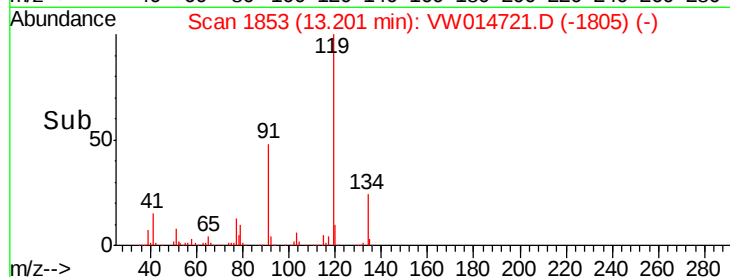
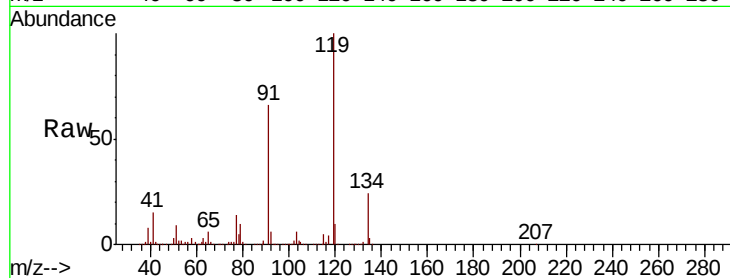
Tot Ion:119 Resp: 507782

Ion Ratio Lower Upper

119 100

91 63.7 31.1 93.3

134 26.3 13.5 40.5



#84

1,2,4-Trimethylbenzene

Concen: 23.297 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VW014721.D

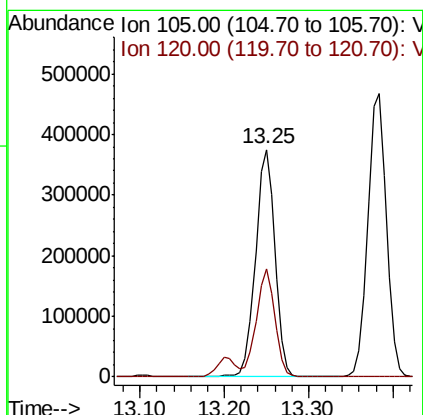
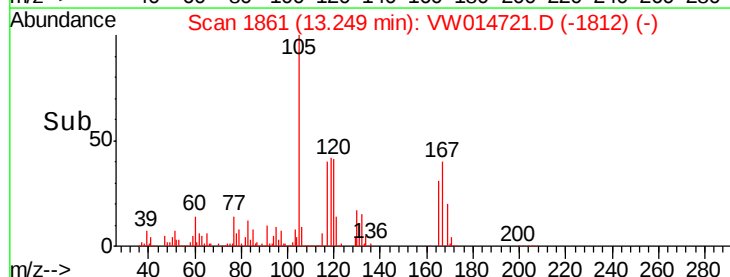
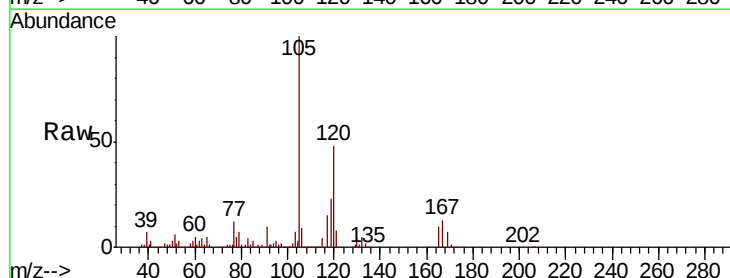
Acq: 23 Jan 2020 13:10

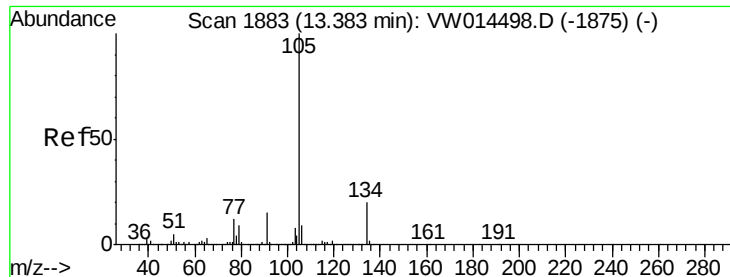
Tgt Ion:105 Resp: 588857

Ion Ratio Lower Upper

105 100

120 45.5 23.4 70.0





#85

sec-Butylbenzene

Concen: 23.361 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW014721.D

Acq: 23 Jan 2020 13:10

Instrument :

MSVOA_W

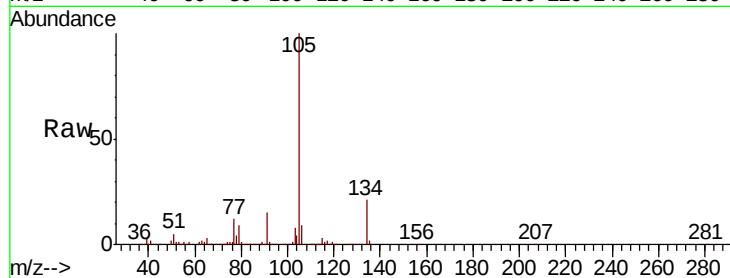
ClientSampleId :

Tot Ion:105 Resp: 719102

Ion Ratio Lower Upper

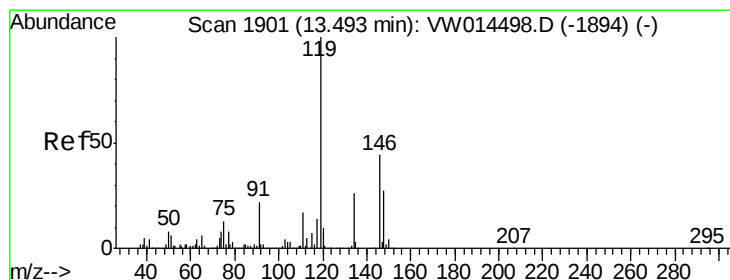
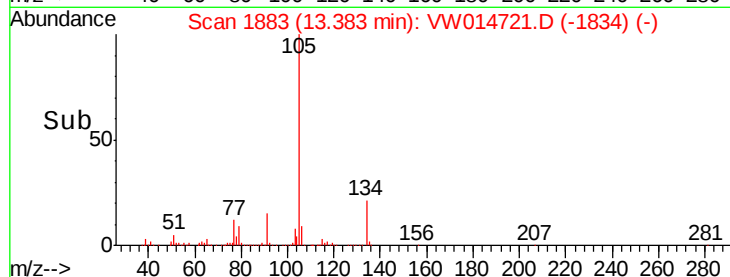
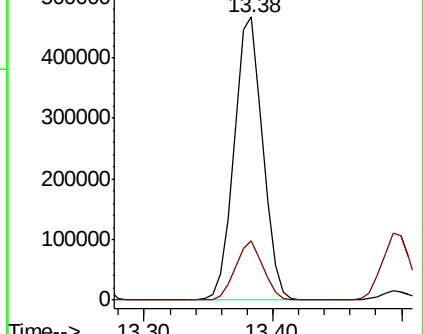
105 100

134 20.2 10.2 30.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 23.103 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. 0.00 min

Lab File: VW014721.D

Acq: 23 Jan 2020 13:10

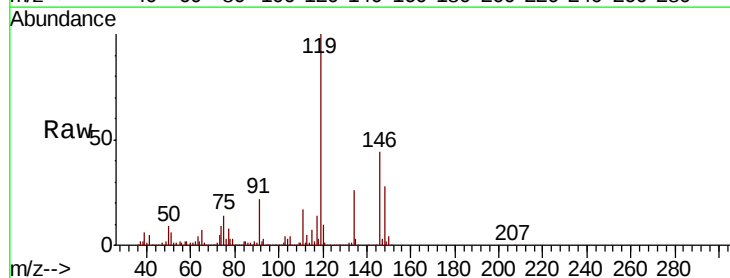
Tgt Ion:119 Resp: 648220

Ion Ratio Lower Upper

119 100

134 25.9 13.2 39.5

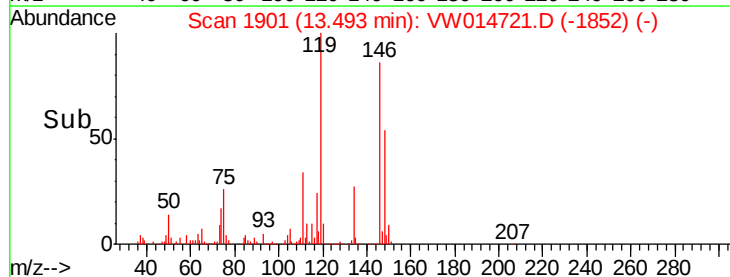
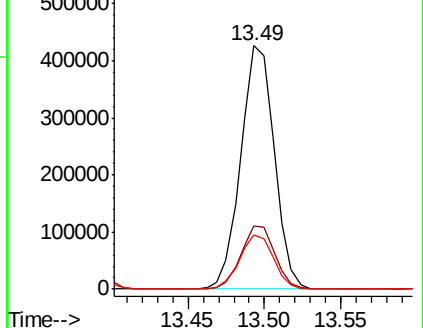
91 22.4 11.1 33.3

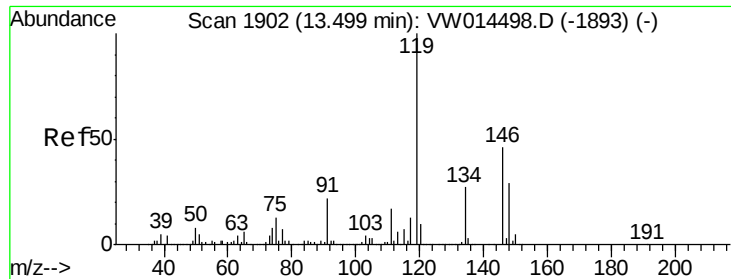


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

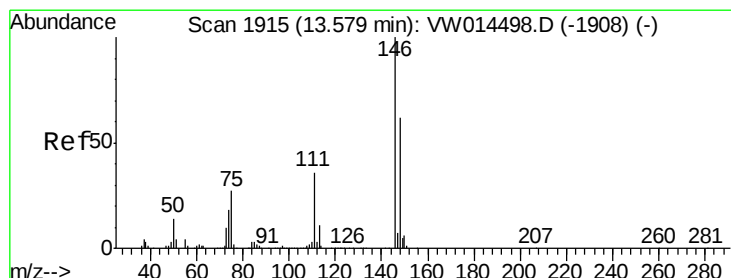
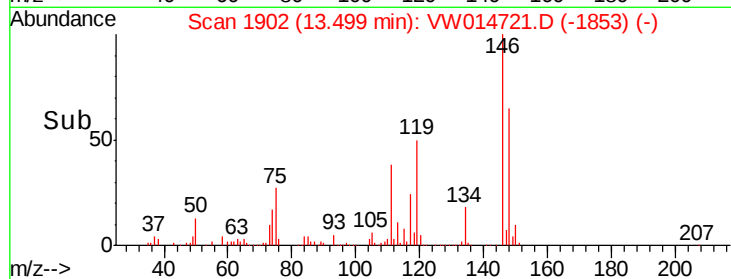
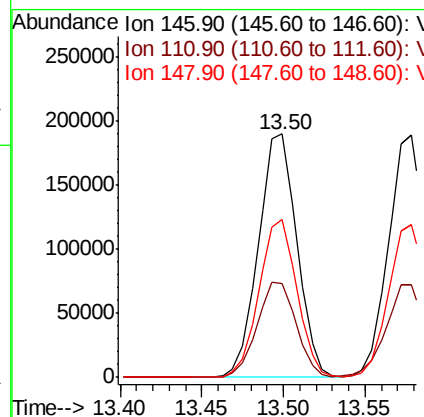
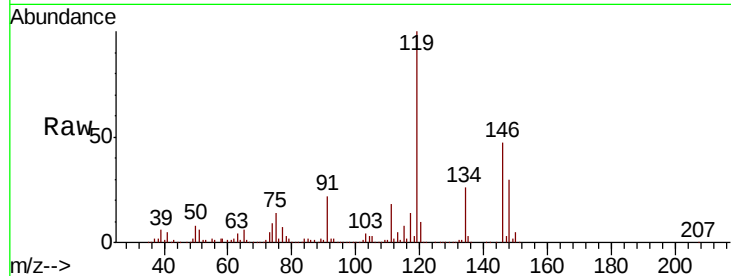




#87
 1,3-Dichlorobenzene
 Concen: 22.757 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW014721.D
 Acq: 23 Jan 2020 13:10

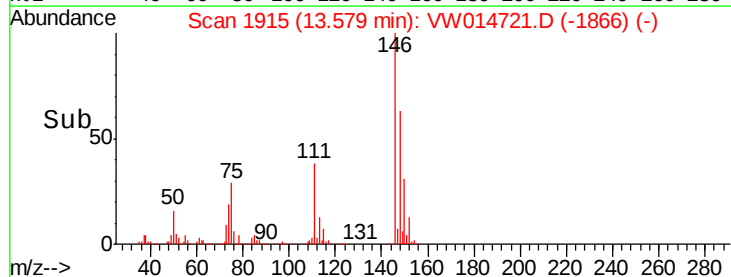
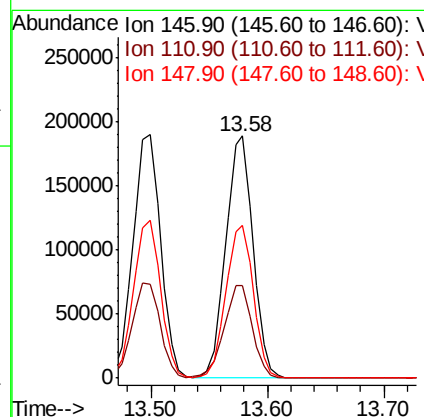
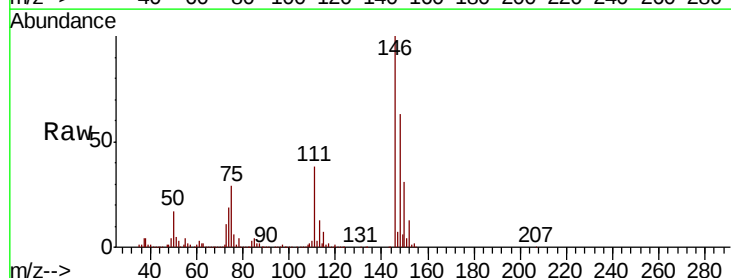
Instrument :
 MSVOA_W
 ClientSampleId :

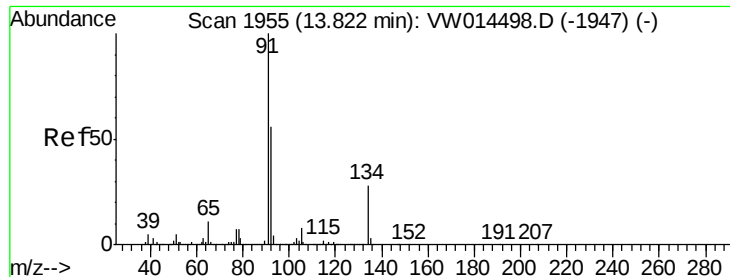
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.3	57.9
148	64.1	31.8	95.4



#88
 1,4-Dichlorobenzene
 Concen: 22.645 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW014721.D
 Acq: 23 Jan 2020 13:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	18.7	56.1
148	64.0	31.7	95.1





#89

n-Butylbenzene

Concen: 23.327 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW014721.D

Acq: 23 Jan 2020 13:10

Instrument :

MSVOA_W

ClientSampled :

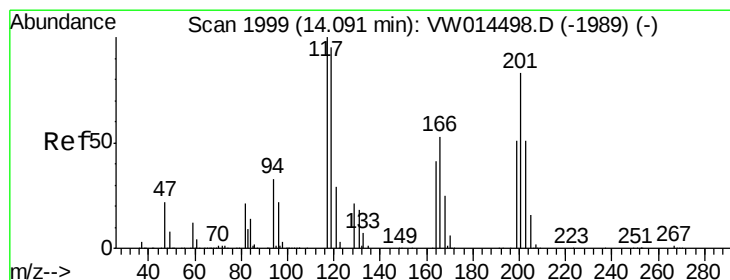
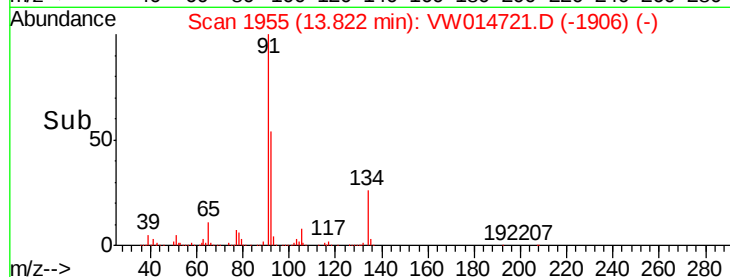
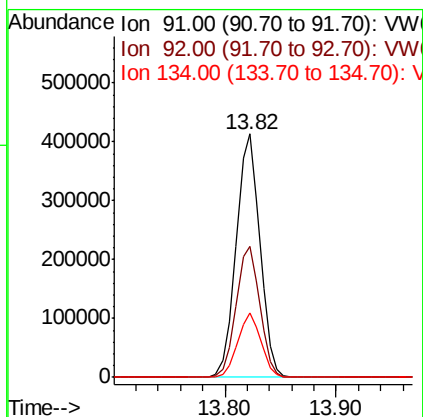
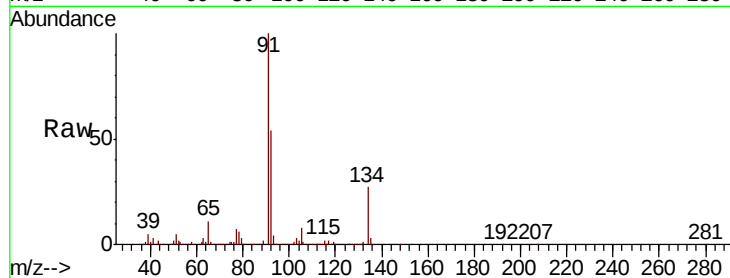
Tot Ion: 91 Resp: 607790

Ion Ratio Lower Upper

91 100

92 54.1 27.5 82.5

134 25.9 13.7 41.1



#90

Hexachloroethane

Concen: 22.980 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. -0.00 min

Lab File: VW014721.D

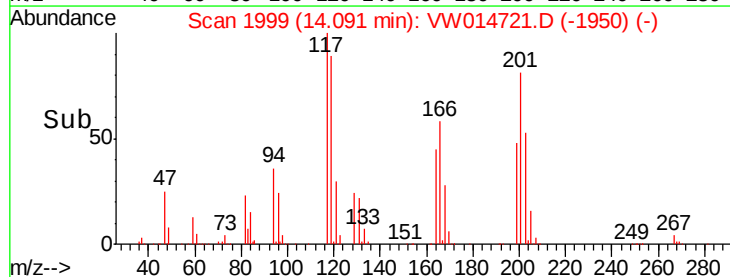
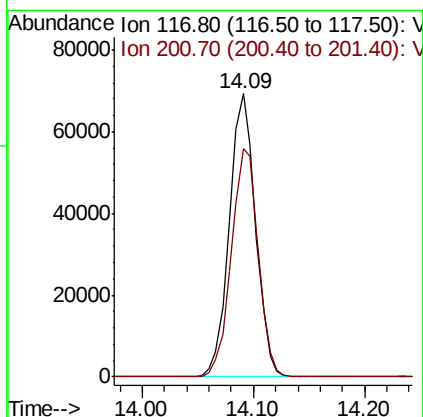
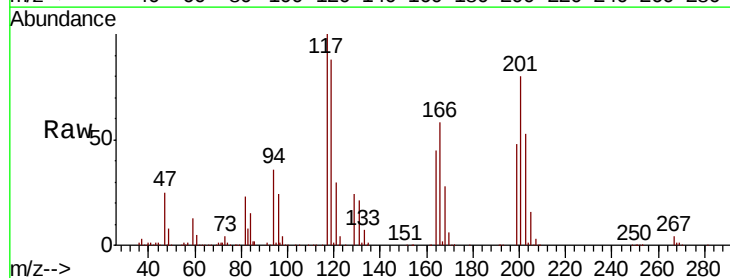
Acq: 23 Jan 2020 13:10

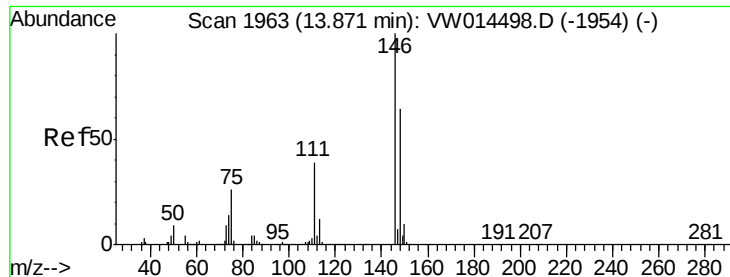
Tgt Ion: 117 Resp: 112636

Ion Ratio Lower Upper

117 100

201 82.4 43.0 128.8

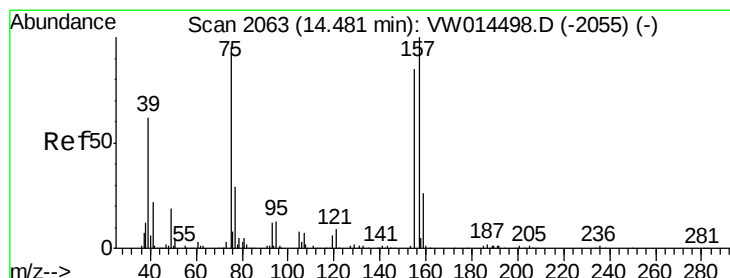
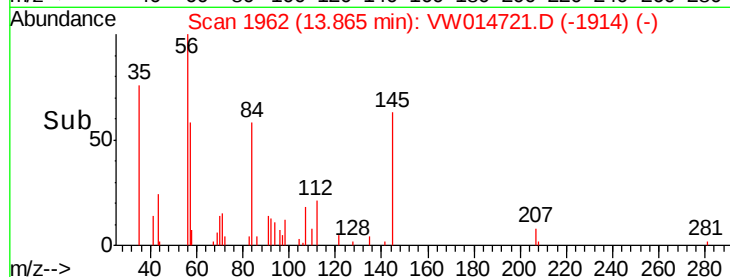
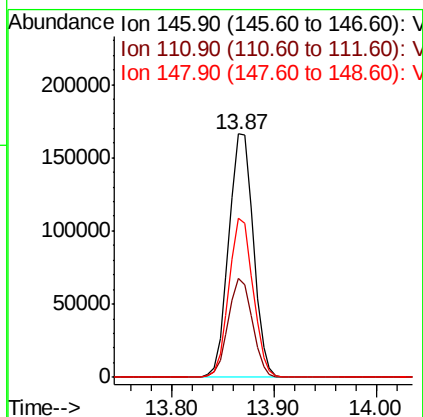
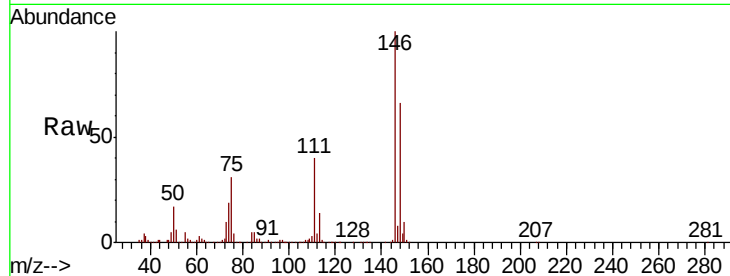




#91
 1,2-Dichlorobenzene
 Concen: 23.041 ug/l
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW014721.D
 Acq: 23 Jan 2020 13:10

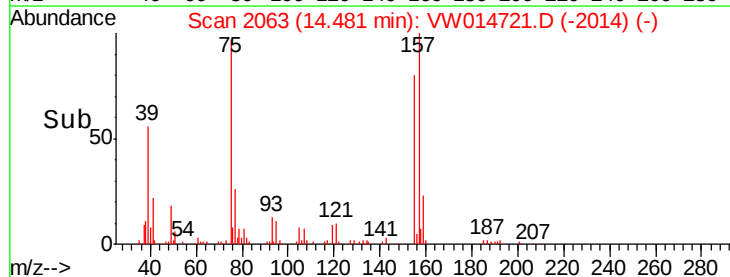
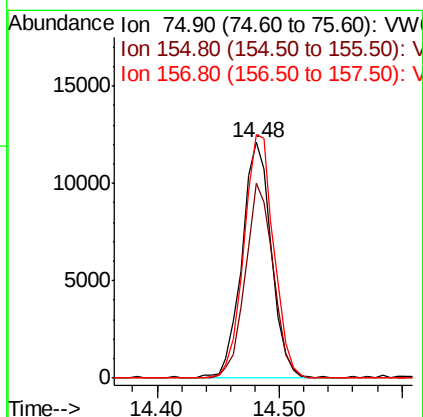
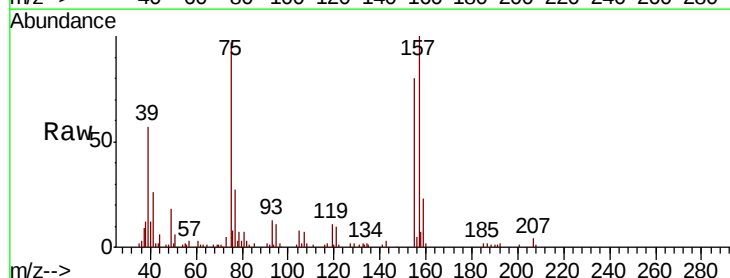
Instrument :
 MSVOA_W
 ClientSampleId :

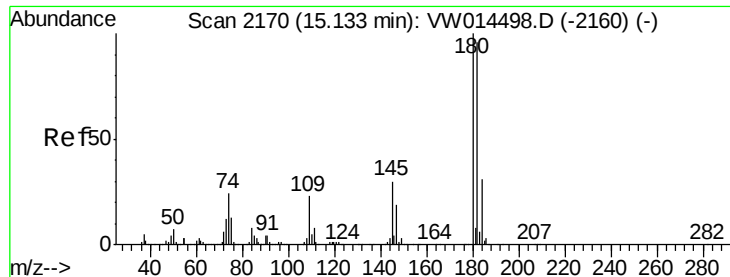
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.4	61.3
148	64.1	32.3	96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.399 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.00 min
 Lab File: VW014721.D
 Acq: 23 Jan 2020 13:10

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.9	45.8	137.4
157	104.9	58.1	174.2

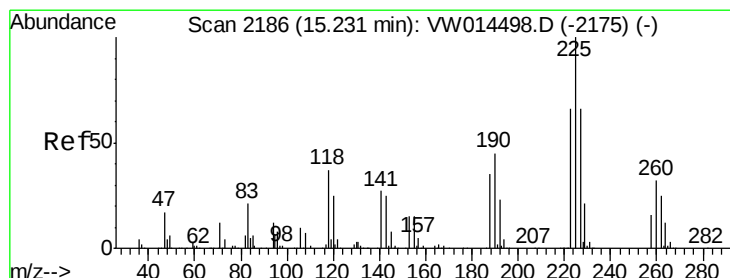
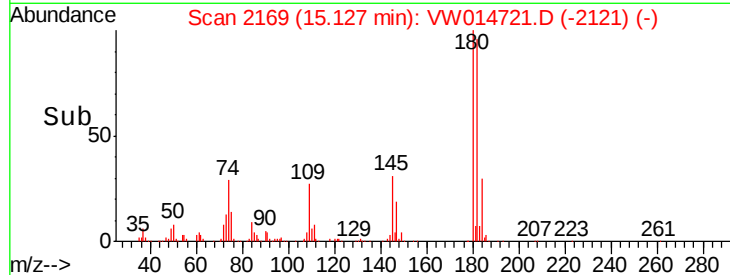
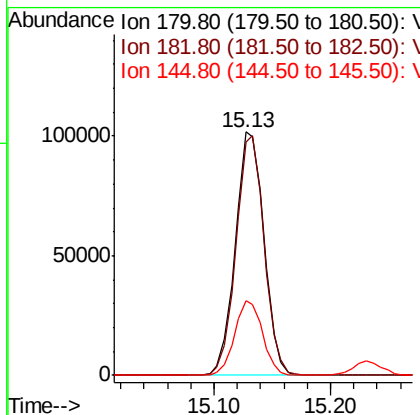
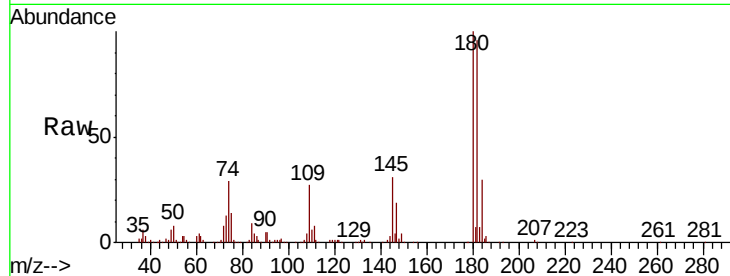




#93
 1,2,4-Trichlorobenzene
 Concen: 21.494 ug/l
 RT: 15.13 min Scan# 2169
 Delta R.T. -0.01 min
 Lab File: VW014721.D
 Acq: 23 Jan 2020 13:10

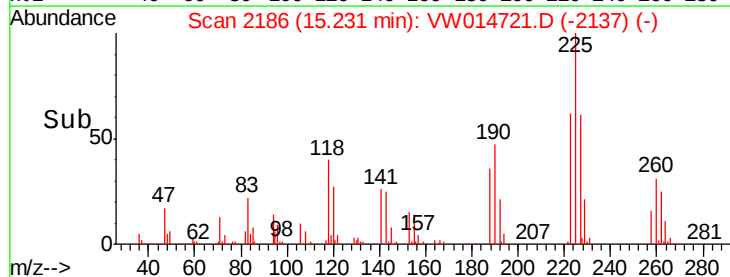
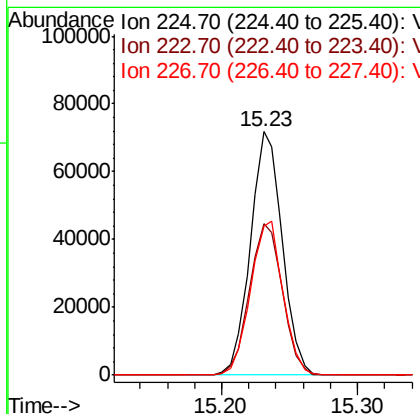
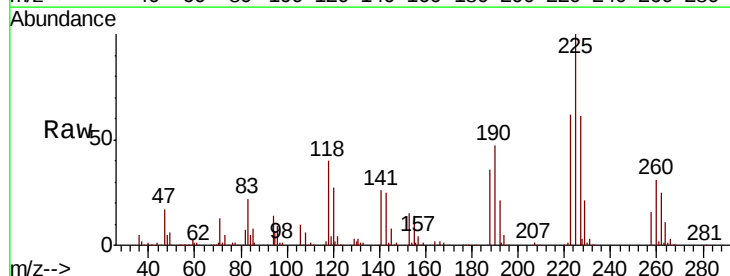
Instrument :
 MSVOA_W
 ClientSampleId :

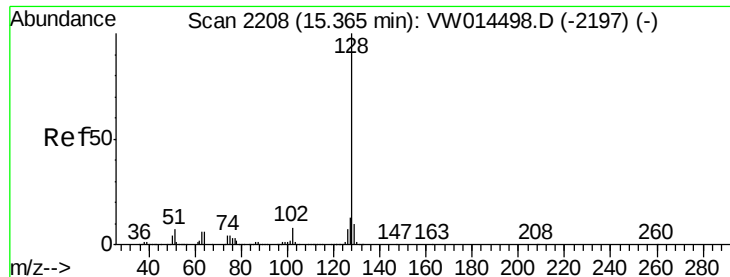
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.3	141.8
145	29.9	14.7	44.1



#94
 Hexachlorobutadiene
 Concen: 21.743 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.00 min
 Lab File: VW014721.D
 Acq: 23 Jan 2020 13:10

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.4	32.4	97.2
227	64.2	32.6	97.8

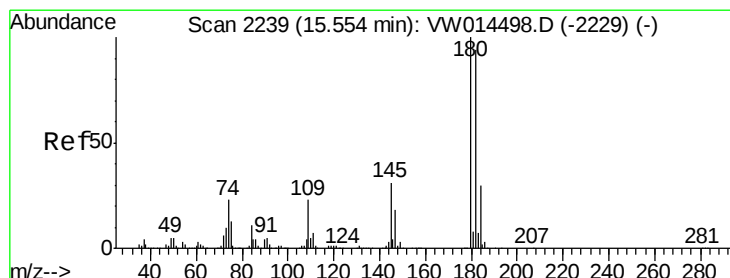
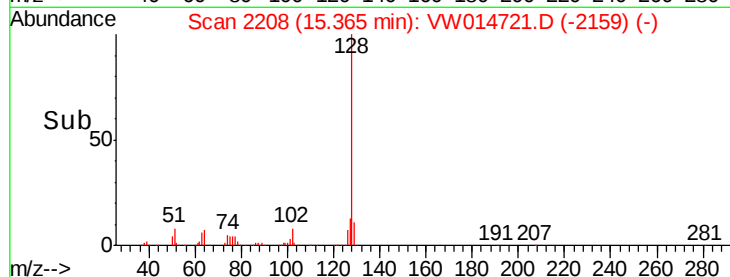
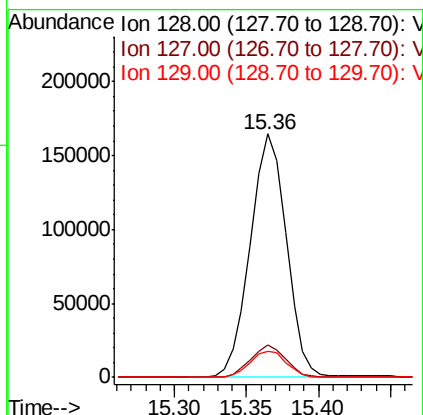
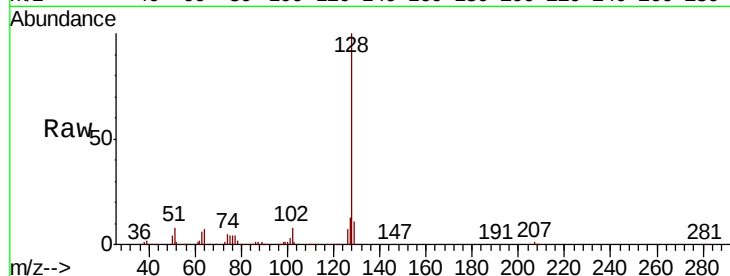




#95
Naphthalene
Concen: 20.681 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW014721.D
Acq: 23 Jan 2020 13:10

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 286016
Ion Ratio Lower Upper
128 100
127 12.9 10.6 15.8
129 11.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 21.391 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW014721.D
Acq: 23 Jan 2020 13:10

Tgt Ion:180 Resp: 151205
Ion Ratio Lower Upper
180 100
182 95.1 47.4 142.2
145 30.8 15.5 46.5

