

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012320\
 Data File : VW014723.D
 Acq On : 23 Jan 2020 14:03
 Operator : SY/VA
 Sample : VW0123SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 24 04:11:20 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	671714	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	993159	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	856396	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	424972	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	296817	50.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.08%	
35) Dibromofluoromethane	7.88	113	283011	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	
50) Toluene-d8	10.32	98	1162459	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	
62) 4-Bromofluorobenzene	12.62	95	387033	48.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	82023	21.627	ug/l	94
3) Chloromethane	2.21	50	121175	26.102	ug/l	98
4) Vinyl Chloride	2.35	62	168121	24.622	ug/l	97
5) Bromomethane	2.77	94	94934	22.507	ug/l	94
6) Chloroethane	2.92	64	91349	23.470	ug/l	99
7) Trichlorofluoromethane	3.25	101	90057	26.361	ug/l	95
8) Diethyl Ether	3.67	74	72318	21.276	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	148251	23.225	ug/l	100
10) Methyl Iodide	4.27	142	205366	21.323	ug/l	97
11) Tert butyl alcohol	5.15	59	51603	100.219	ug/l	98
12) 1,1-Dichloroethene	4.03	96	148220	22.173	ug/l	98
13) Acrolein	3.89	56	44565	86.941	ug/l	98
14) Allyl chloride	4.66	41	240193	23.514	ug/l	98
15) Acrylonitrile	5.36	53	170773	109.913	ug/l	98
16) Acetone	4.11	43	175705	105.954	ug/l	97
17) Carbon Disulfide	4.38	76	451576	22.414	ug/l	99
18) Methyl Acetate	4.67	43	87102	21.748	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	188998	22.777	ug/l	98
20) Methylene Chloride	4.92	84	186648	25.625	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	156316	22.023	ug/l	93
22) Diisopropyl ether	6.31	45	460497	24.085	ug/l	97
23) Vinyl Acetate	6.25	43	1312240	113.656	ug/l	97
24) 1,1-Dichloroethane	6.21	63	284773	23.612	ug/l	99
25) 2-Butanone	7.17	43	226196	106.288	ug/l	96
26) 2,2-Dichloropropane	7.16	77	163471	24.482	ug/l	95
27) cis-1,2-Dichloroethene	7.16	96	164029	21.993	ug/l	93
28) Bromochloromethane	7.51	49	90570	19.155	ug/l	92
29) Tetrahydrofuran	7.52	42	139321	105.674	ug/l	97
30) Chloroform	7.67	83	265259	23.519	ug/l	97
31) Cyclohexane	7.95	56	285624	22.788	ug/l	93
32) 1,1,1-Trichloroethane	7.87	97	217896	24.022	ug/l	98
36) 1,1-Dichloropropene	8.07	75	228969	23.914	ug/l	99
37) Ethyl Acetate	7.24	43	101671	23.414	ug/l	96
38) Carbon Tetrachloride	8.06	117	198978	23.955	ug/l	96

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 Data File : VW014723.D
 Acq On : 23 Jan 2020 14:03
 Operator : SY/VA
 Sample : VW0123BSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 24 04:11:20 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	272491	22.177	ug/l	94
40) Benzene	8.32	78	635054	23.443	ug/l	100
41) Methacrylonitrile	7.48	41	53010	21.900	ug/l	96
42) 1,2-Dichloroethane	8.40	62	168533	23.973	ug/l	97
43) Isopropyl Acetate	8.42	43	174666	22.151	ug/l	99
44) Trichloroethene	9.09	130	165450	22.571	ug/l	98
45) 1,2-Dichloropropane	9.37	63	156797	23.587	ug/l	98
46) Dibromomethane	9.45	93	73305	22.338	ug/l	97
47) Bromodichloromethane	9.64	83	187812	23.181	ug/l	100
48) Methyl methacrylate	9.43	41	80955	21.028	ug/l	99
49) 1,4-Dioxane	9.45	88	26181	426.547	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	461478	112.698	ug/l	97
52) Toluene	10.38	92	396591	23.271	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	185387	22.099	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	229752	22.409	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	106332	22.186	ug/l	98
56) Ethyl methacrylate	10.65	69	132444	21.263	ug/l	97
57) 1,3-Dichloropropane	10.93	76	189036	22.441	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	208161	109.884	ug/l	97
59) 2-Hexanone	10.96	43	316500	112.167	ug/l	96
60) Dibromochloromethane	11.12	129	119061	22.017	ug/l	98
61) 1,2-Dibromoethane	11.23	107	97296	21.386	ug/l	99
64) Tetrachloroethene	10.86	164	137721	22.213	ug/l	98
65) Chlorobenzene	11.65	112	395914	22.566	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	132681	22.461	ug/l	99
67) Ethyl Benzene	11.73	91	726468	22.976	ug/l	97
68) m/p-Xylenes	11.83	106	559131	46.205	ug/l	98
69) o-Xylene	12.16	106	252914	22.626	ug/l	99
70) Styrene	12.18	104	431373	22.816	ug/l	98
71) Bromoform	12.35	173	66724	20.708	ug/l #	99
73) Isopropylbenzene	12.46	105	703579	22.563	ug/l	99
74) N-amyl acetate	12.27	43	151103	21.612	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	120944	21.489	ug/l	98
76) 1,2,3-Trichloropropane	12.76	75	156186	38.871	ug/l #	100
77) Bromobenzene	12.74	156	159065	21.963	ug/l	97
78) n-propylbenzene	12.80	91	845610	23.062	ug/l	99
79) 2-Chlorotoluene	12.89	91	473566	22.695	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	587766	22.449	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	37848	20.987	ug/l	93
82) 4-Chlorotoluene	12.99	91	504256	23.260	ug/l	98
83) tert-Butylbenzene	13.20	119	505825	22.066	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	593495	22.779	ug/l	100
85) sec-Butylbenzene	13.38	105	722043	22.756	ug/l	99
86) p-Isopropyltoluene	13.49	119	652082	22.547	ug/l	99
87) 1,3-Dichlorobenzene	13.49	146	310809	22.069	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	305603	21.980	ug/l	99
89) n-Butylbenzene	13.82	91	618681	23.036	ug/l	98
90) Hexachloroethane	14.09	117	110975	21.965	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	271822	21.960	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	18983	21.298	ug/l	90

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Operator : SY/VA
Sample : VW0123SBSD01
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Jan 24 04:11:20 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

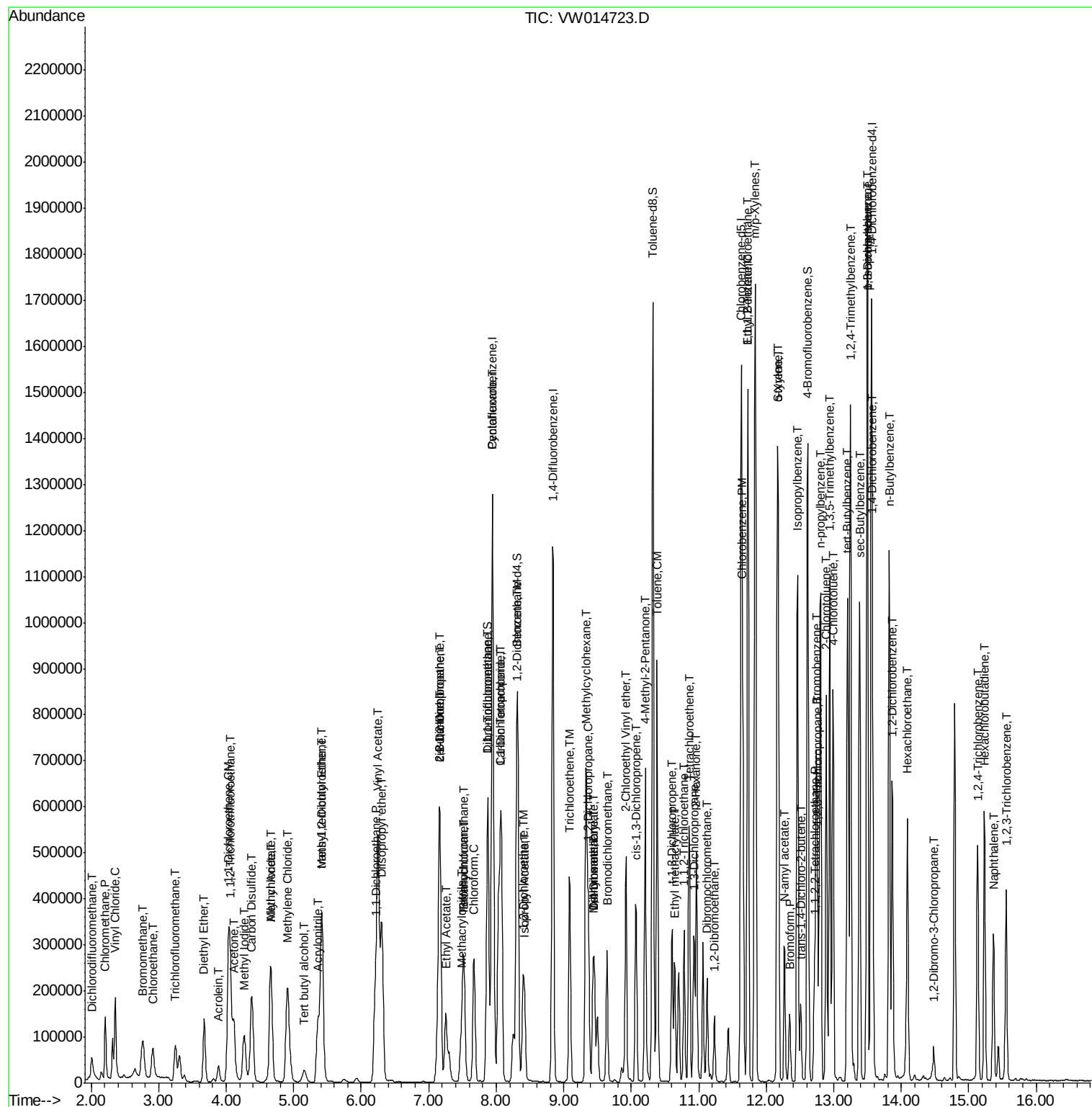
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	177570	21.243	ug/l	98
94) Hexachlorobutadiene	15.23	225	121529	21.695	ug/l	97
95) Naphthalene	15.36	128	278811	19.558	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	148898	20.436	ug/l	98

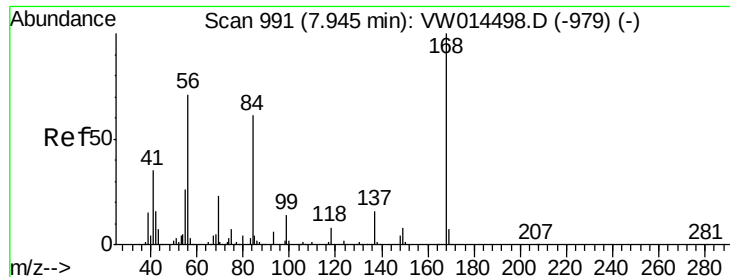
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW012320\
 Data File : VW014723.D
 Acq On : 23 Jan 2020 14:03
 Operator : SY/VA
 Sample : VW0123SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampled :

Quant Time: Jan 24 04:11:20 2020
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 03 16:07:20 2020
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW014723.D

Acq: 23 Jan 2020 14:03

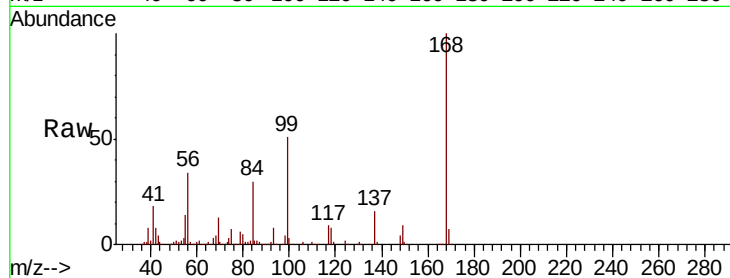
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 671714

Ion Ratio Lower Upper

168 100

99 51.3 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

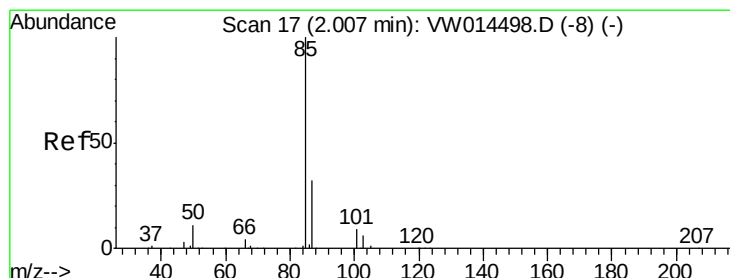
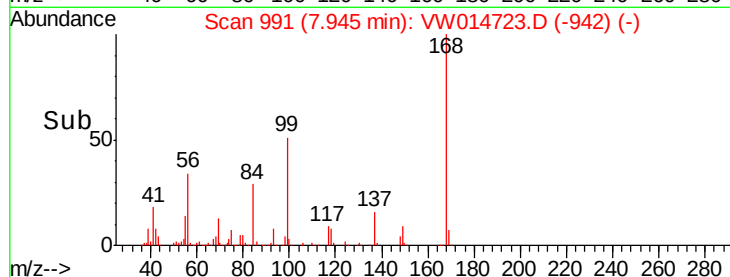
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.627 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW014723.D

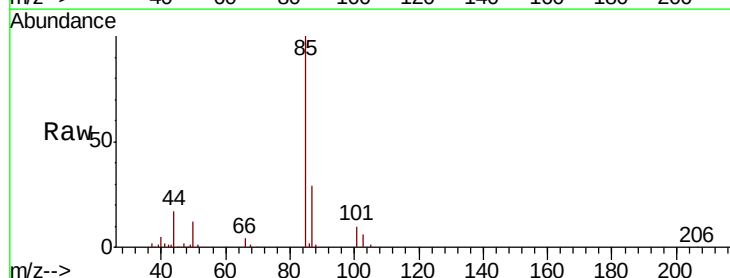
Acq: 23 Jan 2020 14:03

Tgt Ion: 85 Resp: 82023

Ion Ratio Lower Upper

85 100

87 28.8 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

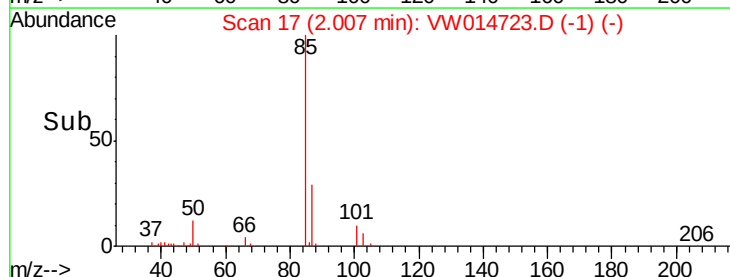
15000

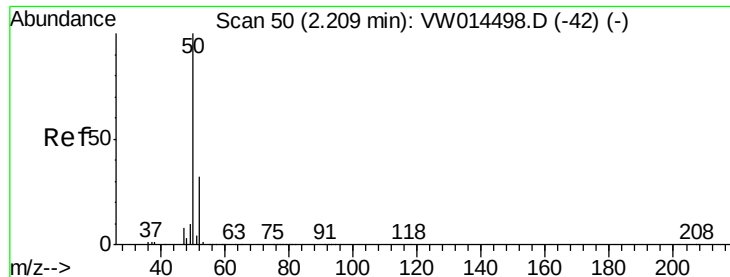
10000

5000

0

Time-->





#3

Chloromethane

Concen: 26.102 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW014723.D

Acq: 23 Jan 2020 14:03

Instrument :

MSVOA_W

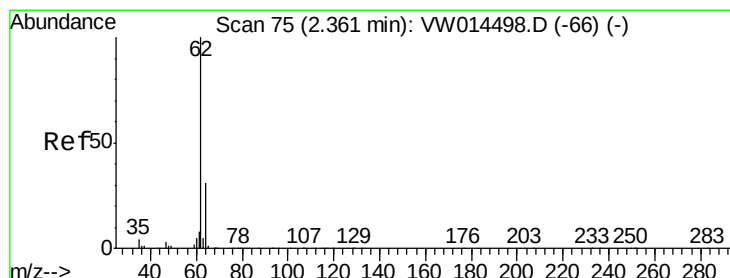
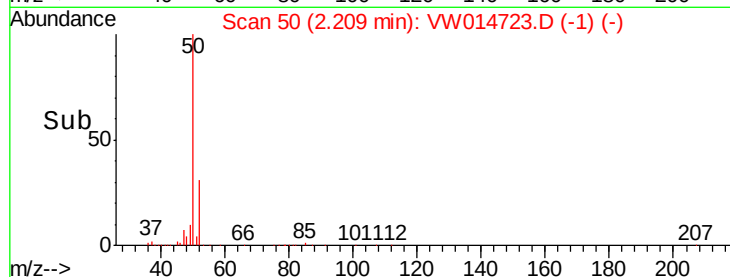
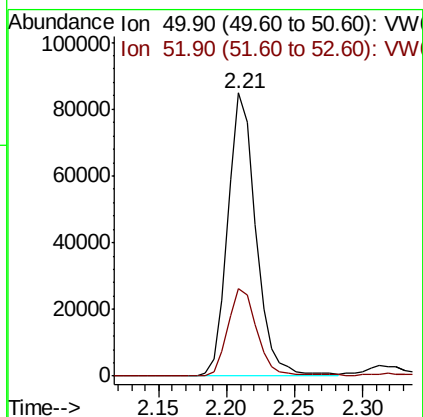
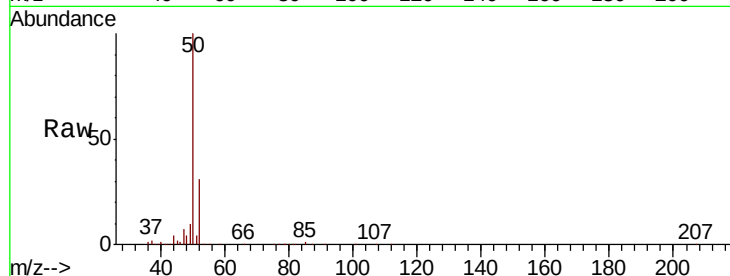
ClientSampleId :

Tot Ion: 50 Resp: 121175

Ion Ratio Lower Upper

50 100

52 30.9 25.8 38.8



#4

Vinyl Chloride

Concen: 24.622 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW014723.D

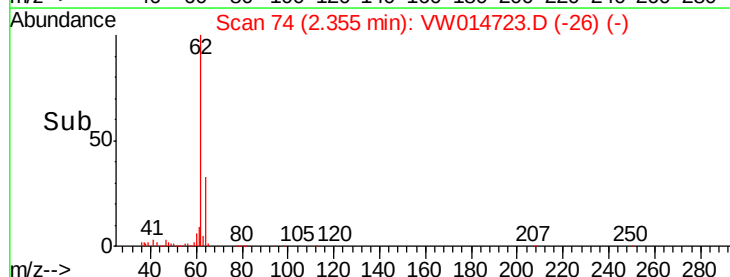
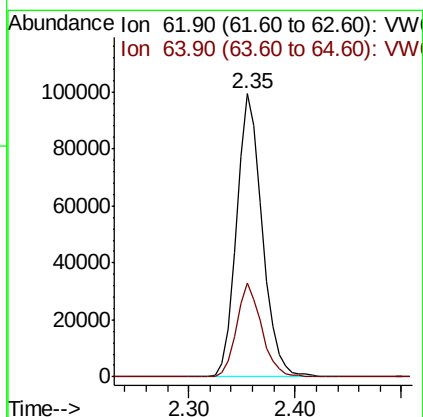
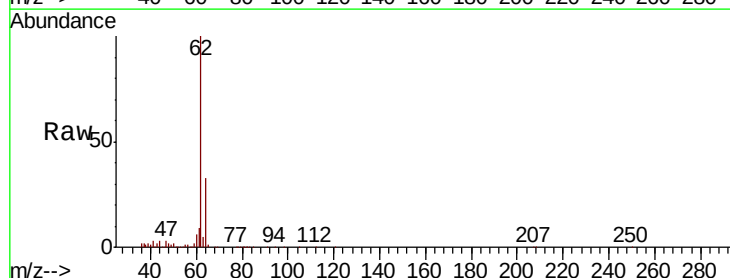
Acq: 23 Jan 2020 14:03

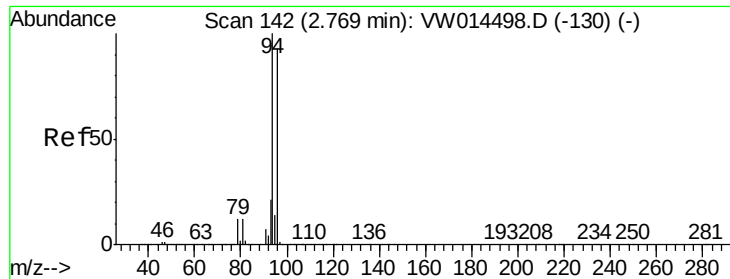
Tgt Ion: 62 Resp: 168121

Ion Ratio Lower Upper

62 100

64 33.0 25.0 37.4





#5

Bromomethane

Concen: 22.507 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW014723.D

Acq: 23 Jan 2020 14:03

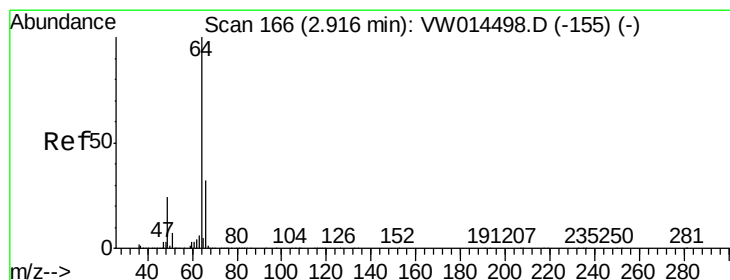
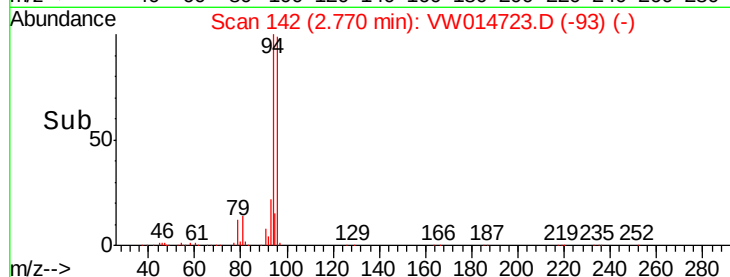
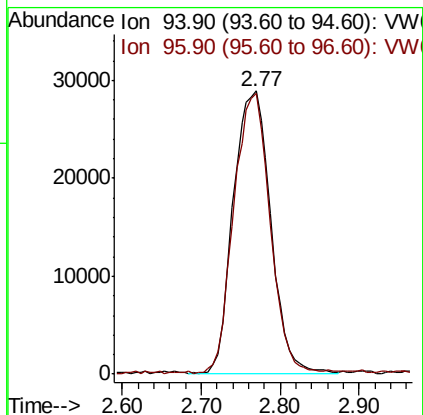
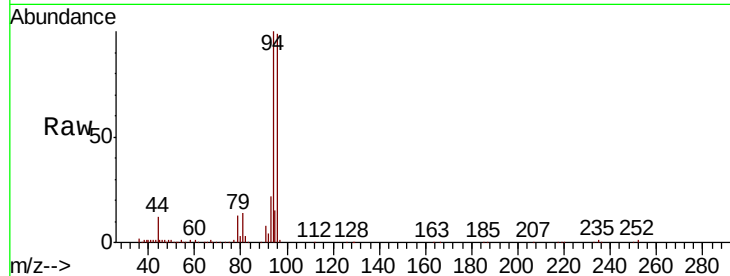
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 94 Resp: 94934

Ion Ratio Lower Upper

94 100

96 98.6 74.2 111.2



#6

Chloroethane

Concen: 23.470 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW014723.D

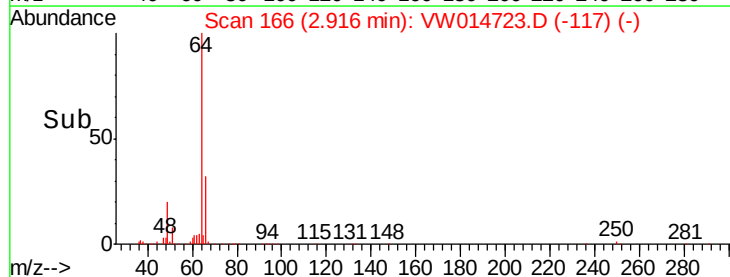
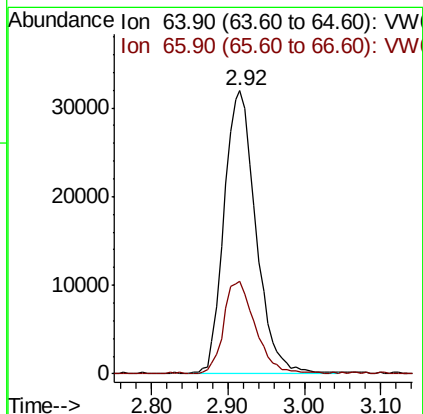
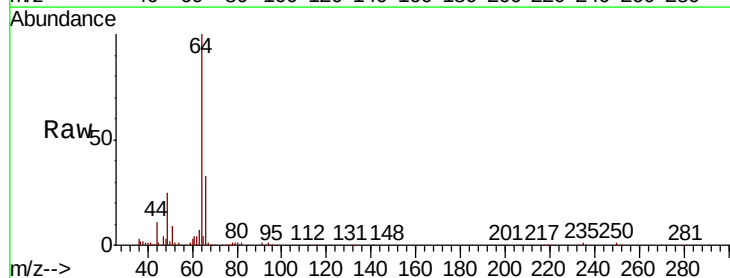
Acq: 23 Jan 2020 14:03

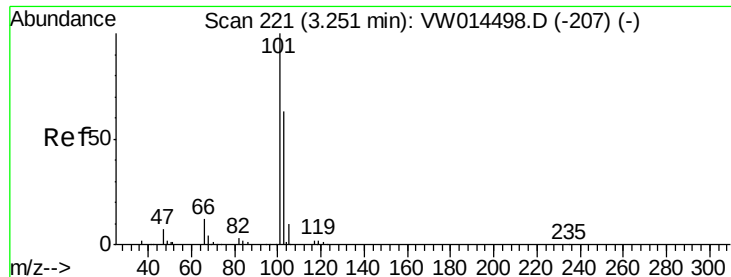
Tgt Ion: 64 Resp: 91349

Ion Ratio Lower Upper

64 100

66 32.7 25.7 38.5



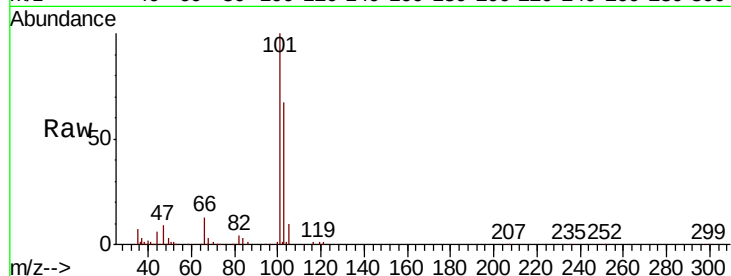


#7

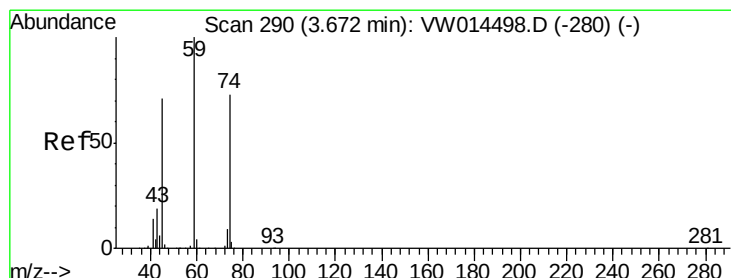
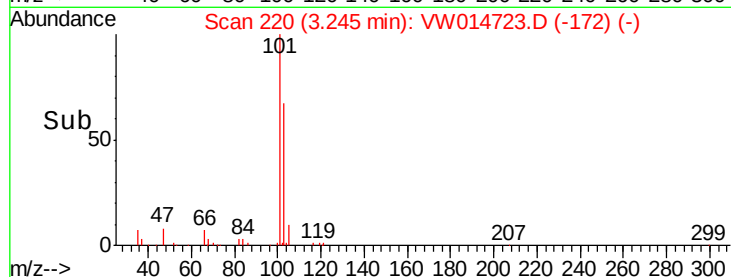
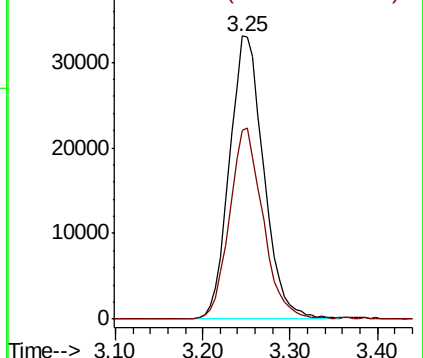
Trichlorofluoromethane
Concen: 26.361 ug/l
RT: 3.25 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW014723.D
Acq: 23 Jan 2020 14:03

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:101 Resp: 90057
Ion Ratio Lower Upper
101 100
103 66.7 50.1 75.1



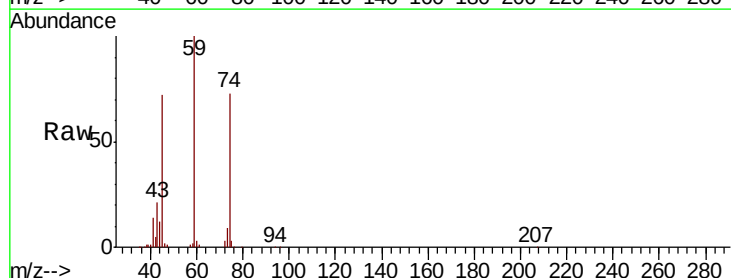
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



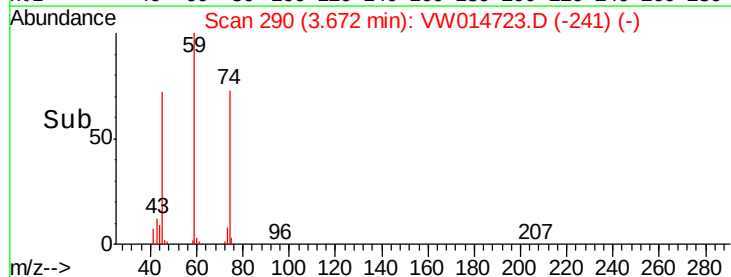
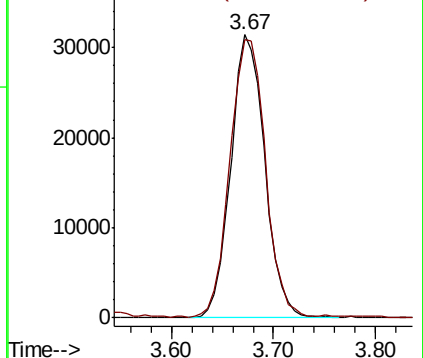
#8

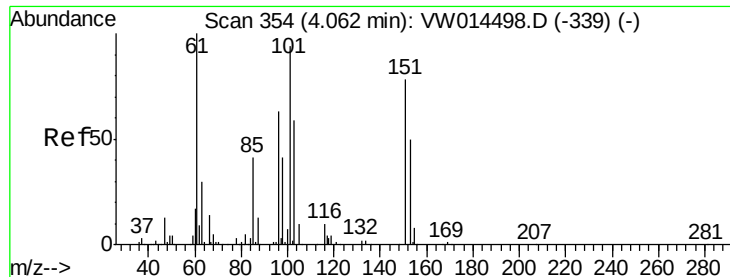
Diethyl Ether
Concen: 21.276 ug/l
RT: 3.67 min Scan# 290
Delta R.T. 0.00 min
Lab File: VW014723.D
Acq: 23 Jan 2020 14:03

Tgt Ion: 74 Resp: 72318
Ion Ratio Lower Upper
74 100
45 102.5 48.6 145.8



Abundance Ion 74.00 (73.70 to 74.70): VW
Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.225 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW014723.D

Acq: 23 Jan 2020 14:03

Instrument :

MSVOA_W

ClientSampled :

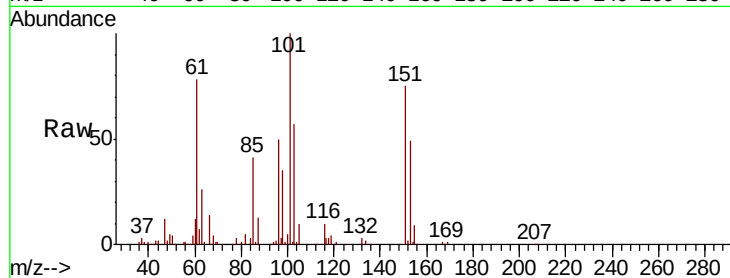
Tot Ion:101 Resp: 148251

Ion Ratio Lower Upper

101 100

85 42.1 33.7 50.5

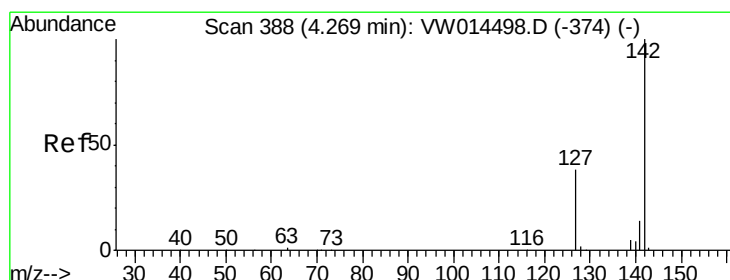
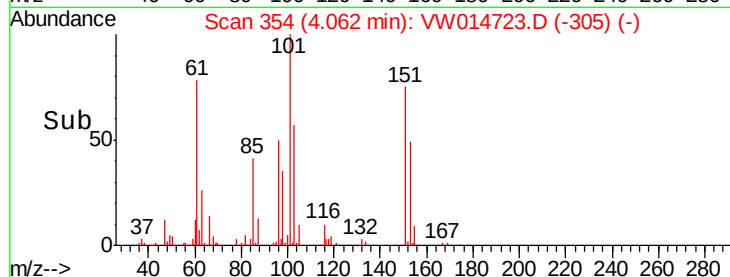
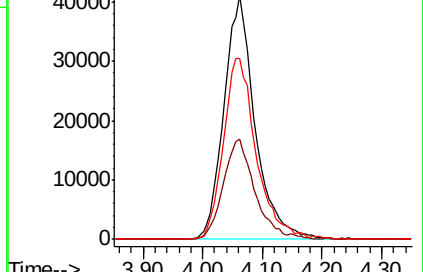
151 78.8 63.5 95.3



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



#10

Methyl Iodide

Concen: 21.323 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW014723.D

Acq: 23 Jan 2020 14:03

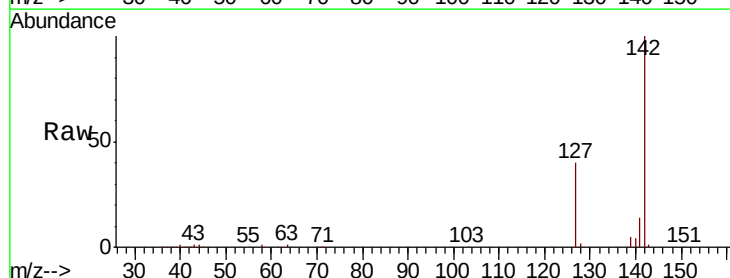
Tgt Ion:142 Resp: 205366

Ion Ratio Lower Upper

142 100

127 39.9 30.2 45.4

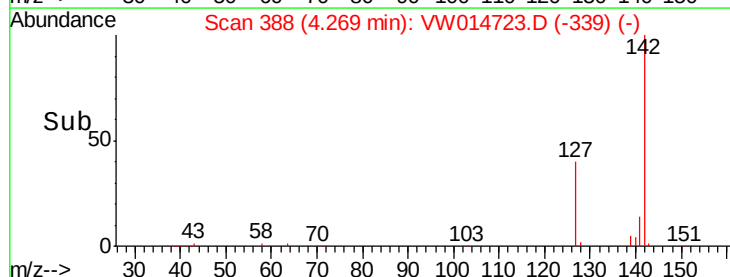
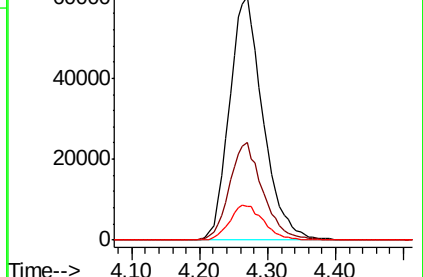
141 14.6 11.4 17.2

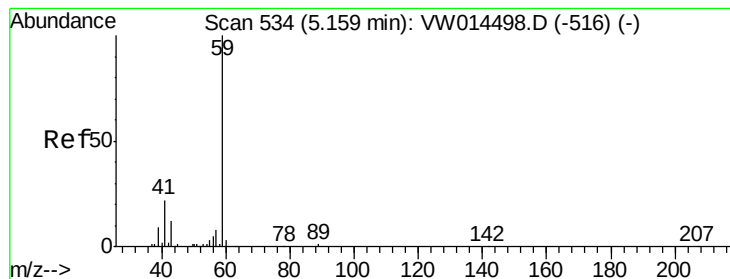


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



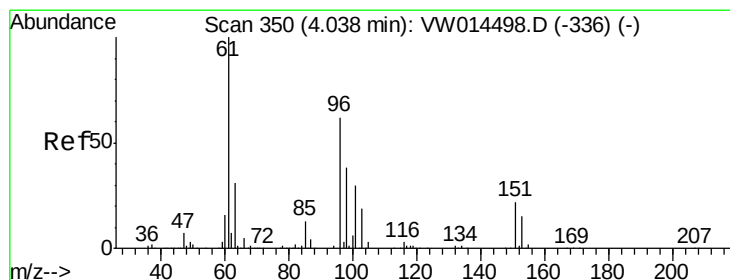
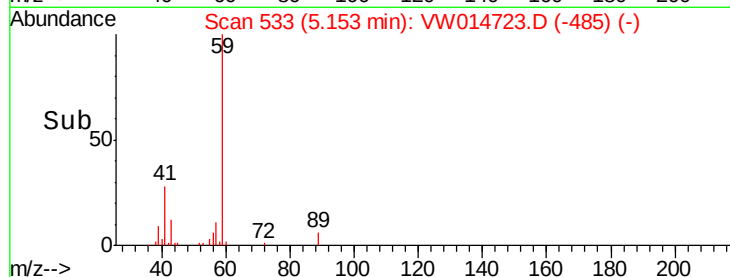
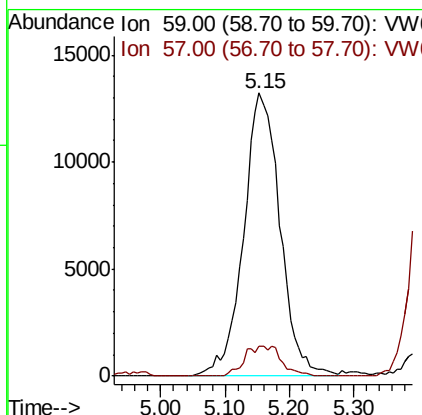
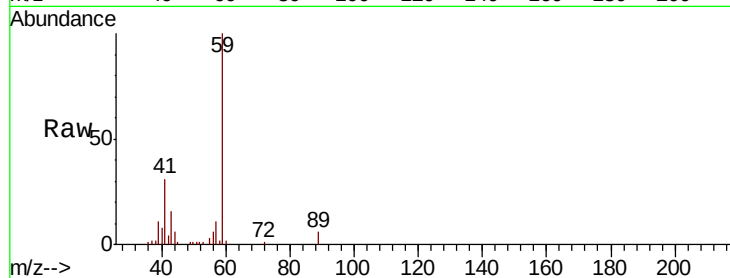


#11

Tert butyl alcohol
 Concen: 100.219 ug/l
 RT: 5.15 min Scan# 533
 Delta R.T. -0.01 min
 Lab File: VW014723.D
 Acq: 23 Jan 2020 14:03

Instrument :
 MSVOA_W
 ClientSampled :

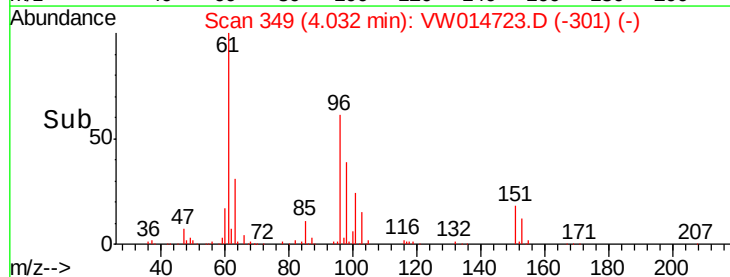
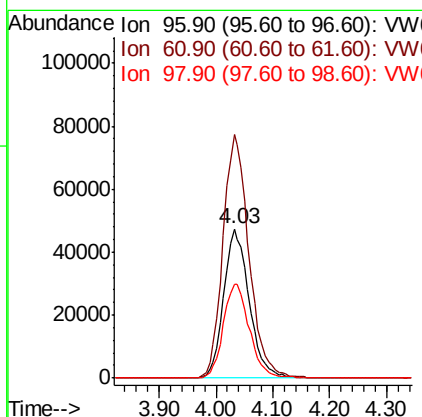
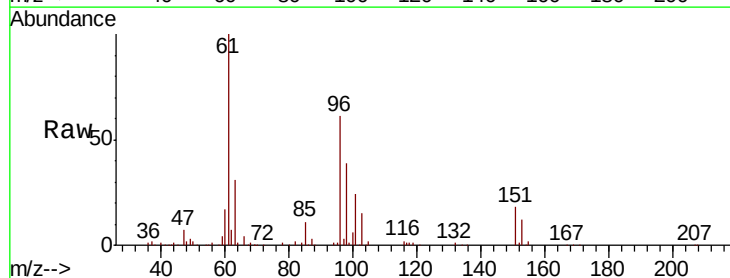
Tot Ion: 59 Resp: 51603
 Ion Ratio Lower Upper
 59 100
 57 10.6 7.8 11.8

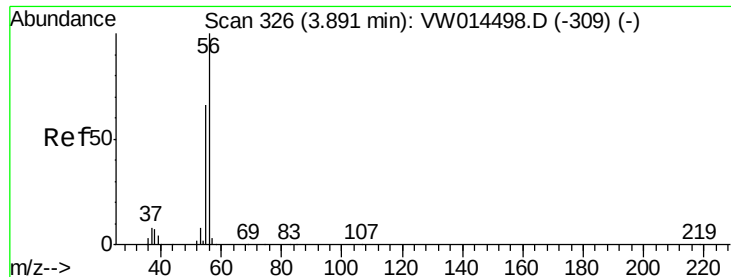


#12

1,1-Dichloroethene
 Concen: 22.173 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW014723.D
 Acq: 23 Jan 2020 14:03

Tgt Ion: 96 Resp: 148220
 Ion Ratio Lower Upper
 96 100
 61 163.6 128.4 192.6
 98 63.4 49.1 73.7





#13

Acrolein

Concen: 86.941 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW014723.D

Acq: 23 Jan 2020 14:03

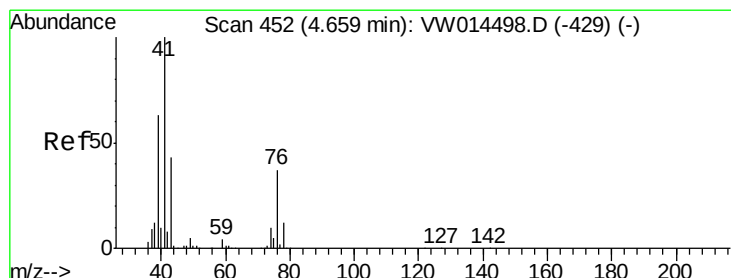
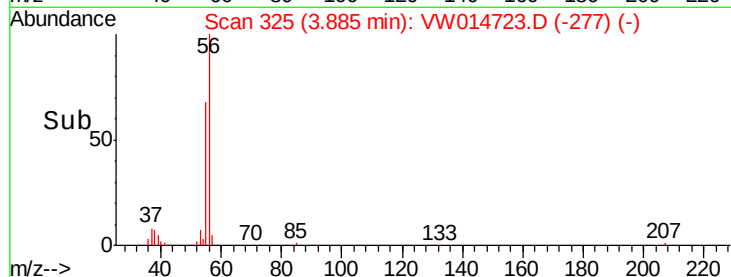
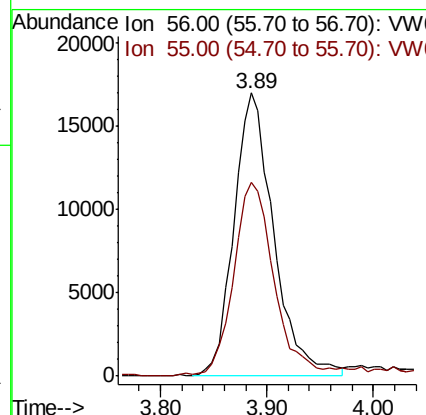
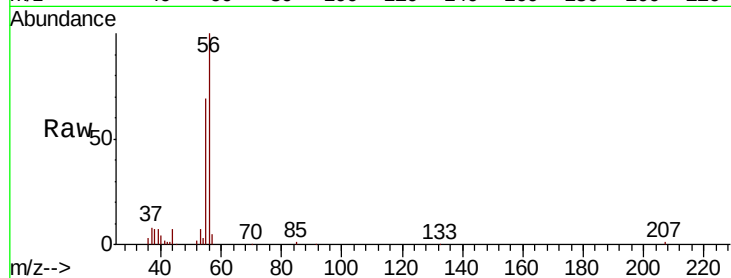
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 44565

Ion Ratio Lower Upper

56 100

55 69.1 56.7 85.1



#14

Allyl chloride

Concen: 23.514 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW014723.D

Acq: 23 Jan 2020 14:03

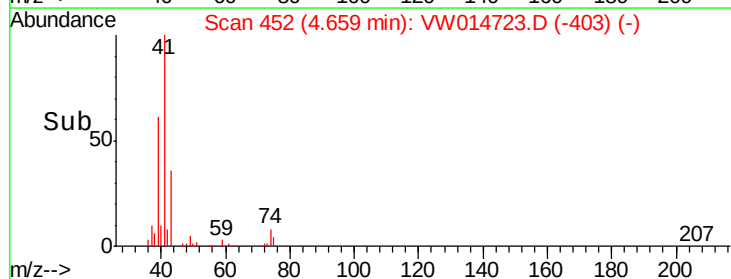
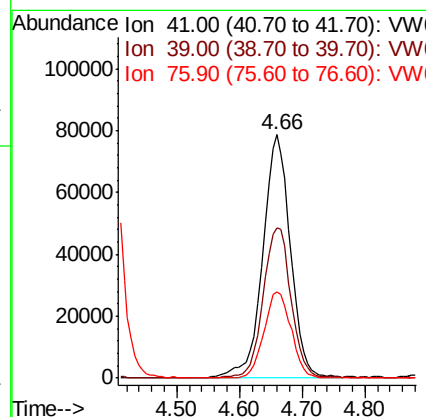
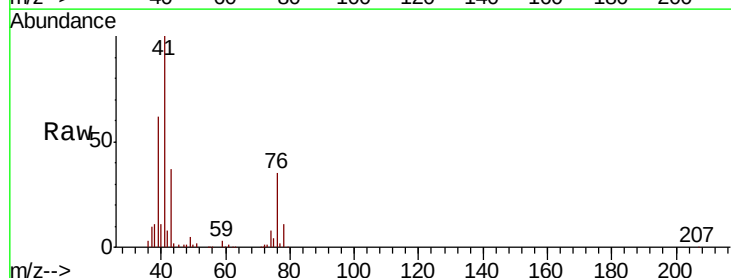
Tgt Ion: 41 Resp: 240193

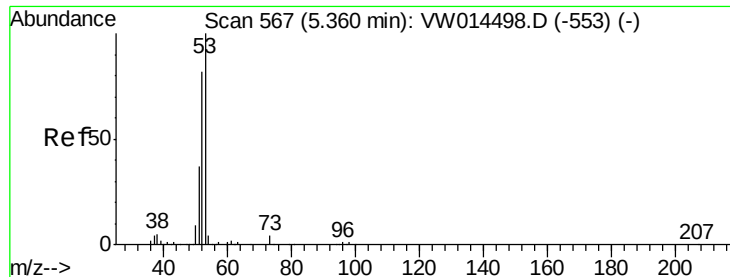
Ion Ratio Lower Upper

41 100

39 62.8 48.5 72.7

76 34.8 28.1 42.1





#15

Acrylonitrile

Concen: 109.913 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW014723.D

Acq: 23 Jan 2020 14:03

Instrument :

MSVOA_W

ClientSampleId :

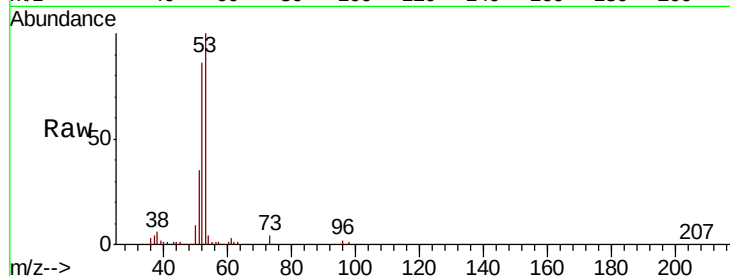
Tot Ion: 53 Resp: 170773

Ion Ratio Lower Upper

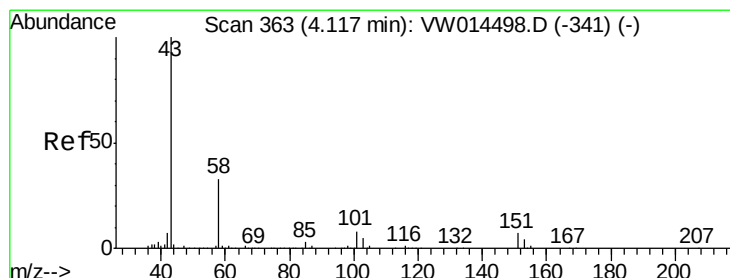
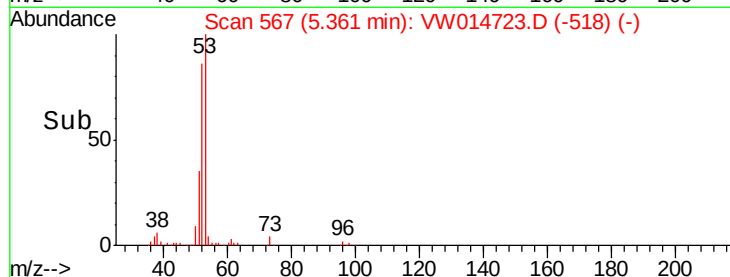
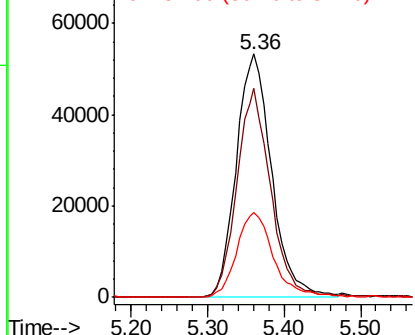
53 100

52 81.5 66.5 99.7

51 36.4 28.4 42.6



Abundance Ion 53.00 (52.70 to 53.70): VW
Ion 52.00 (51.70 to 52.70): VW
Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 105.954 ug/l

RT: 4.11 min Scan# 362

Delta R.T. -0.01 min

Lab File: VW014723.D

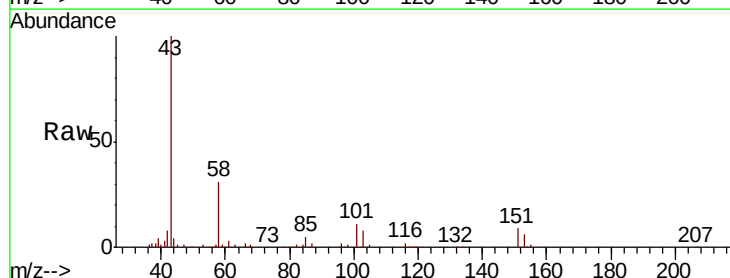
Acq: 23 Jan 2020 14:03

Tgt Ion: 43 Resp: 175705

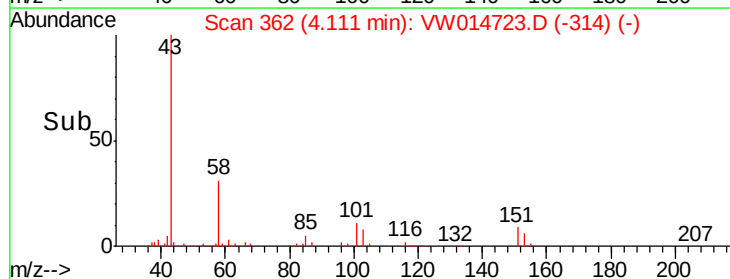
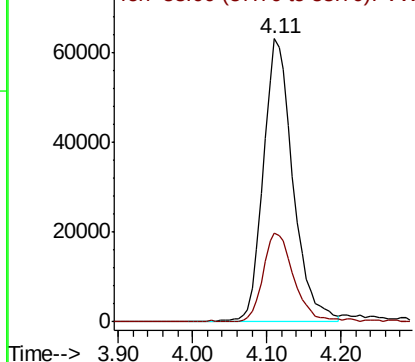
Ion Ratio Lower Upper

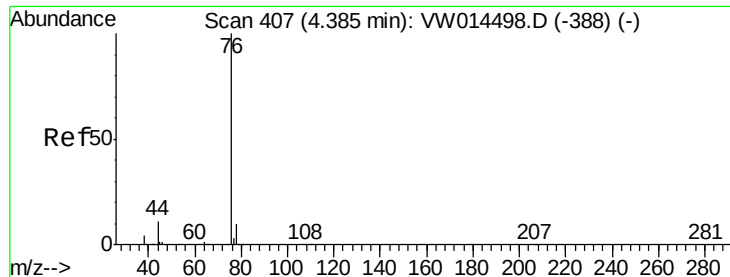
43 100

58 31.3 26.6 39.8



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

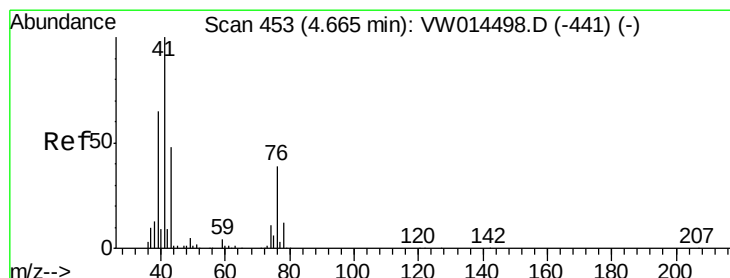
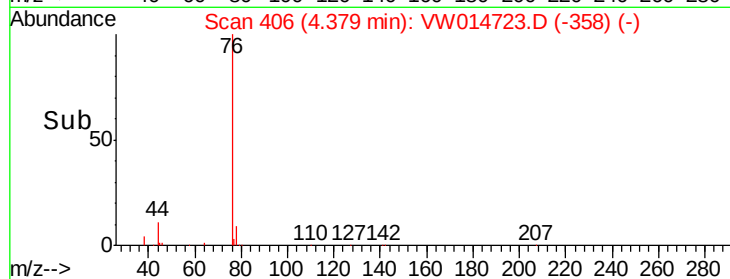
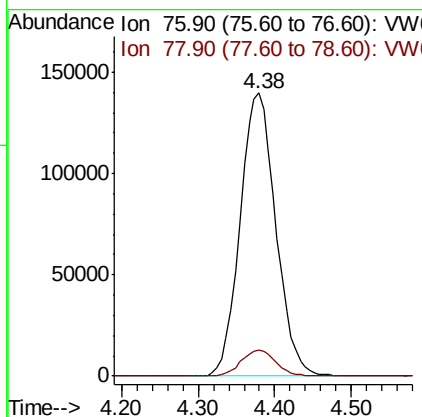
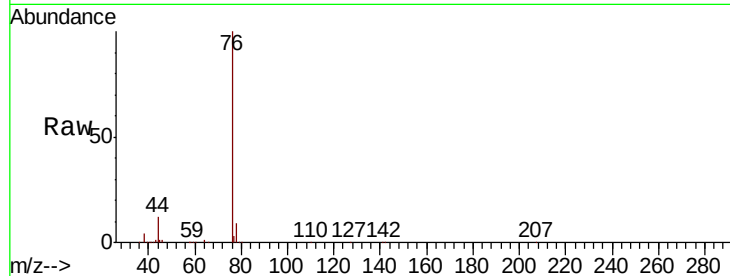




#17
Carbon Disulfide
Concen: 22.414 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW014723.D
Acq: 23 Jan 2020 14:03

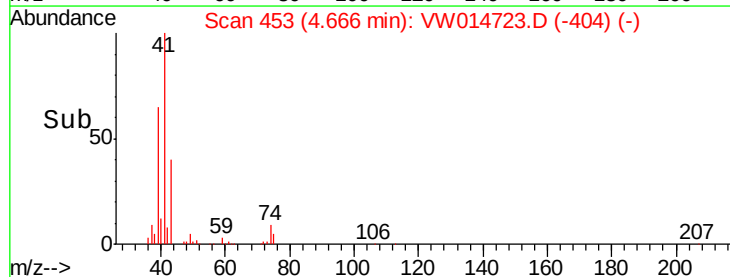
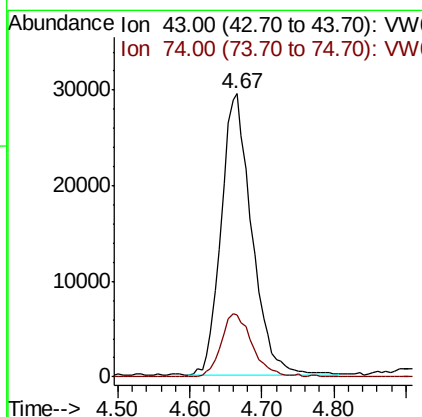
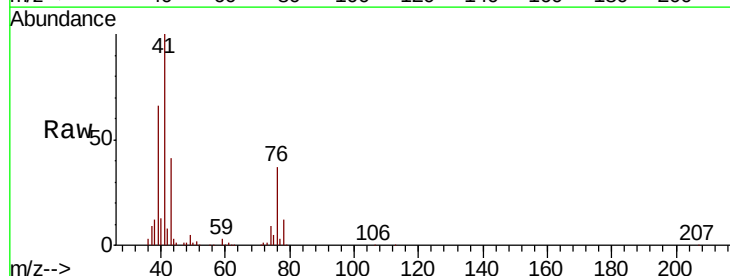
Instrument :
MSVOA_W
ClientSampled :

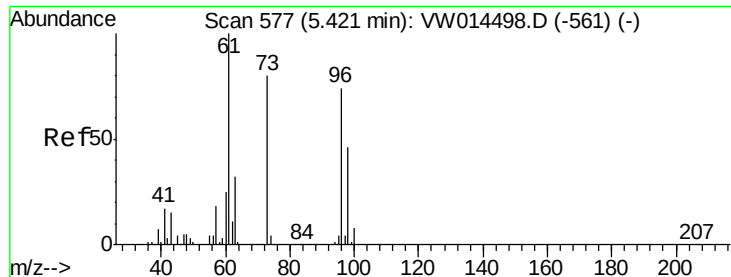
Tot Ion: 76 Resp: 451576
Ion Ratio Lower Upper
76 100
78 9.3 7.8 11.6



#18
Methyl Acetate
Concen: 21.748 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW014723.D
Acq: 23 Jan 2020 14:03

Tgt Ion: 43 Resp: 87102
Ion Ratio Lower Upper
43 100
74 22.8 19.3 28.9

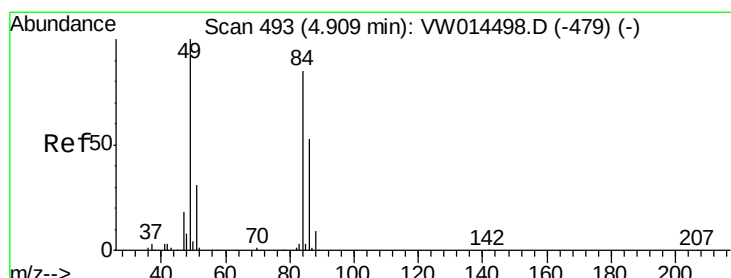
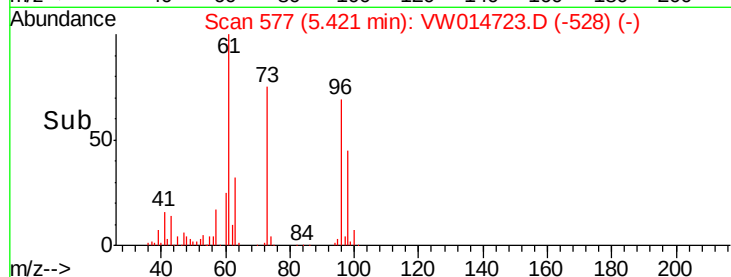
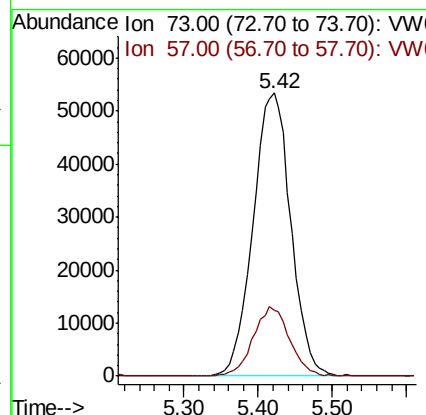
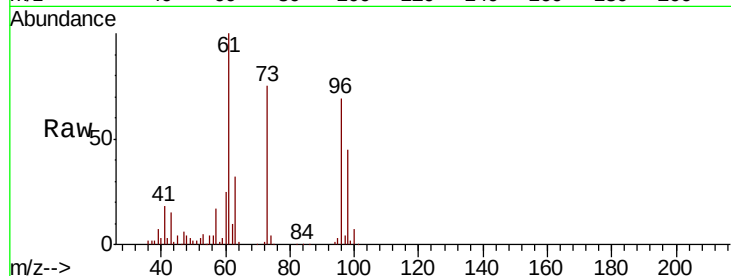




#19
Methyl tert-butyl Ether
Concen: 22.777 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW014723.D
Acq: 23 Jan 2020 14:03

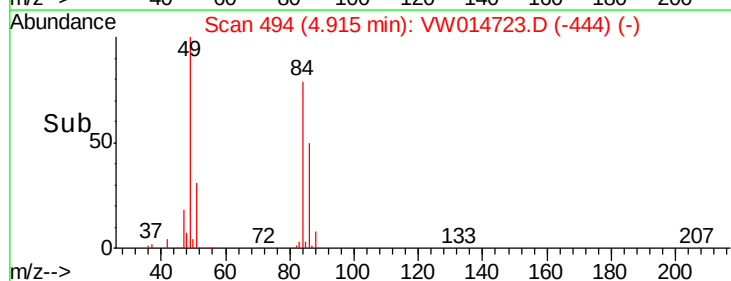
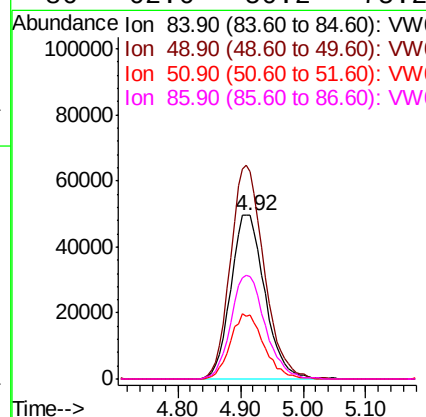
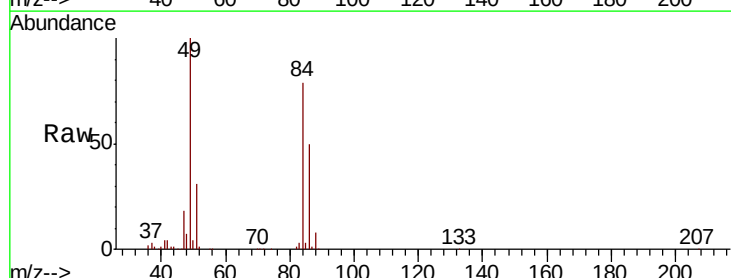
Instrument :
MSVOA_W
ClientSampled :

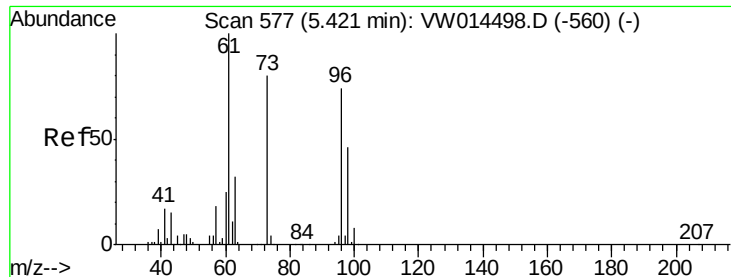
Tot Ion: 73 Resp: 188998
Ion Ratio Lower Upper
73 100
57 23.3 18.1 27.1



#20
Methylene Chloride
Concen: 25.625 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW014723.D
Acq: 23 Jan 2020 14:03

Tgt Ion: 84 Resp: 186648
Ion Ratio Lower Upper
84 100
49 126.3 94.4 141.6
51 39.0 29.5 44.3
86 62.6 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 22.023 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW014723.D

Acq: 23 Jan 2020 14:03

Instrument :

MSVOA_W

ClientSampled :

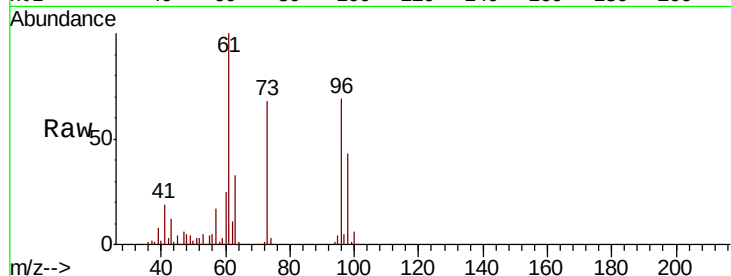
Tot Ion: 96 Resp: 156316

Ion Ratio Lower Upper

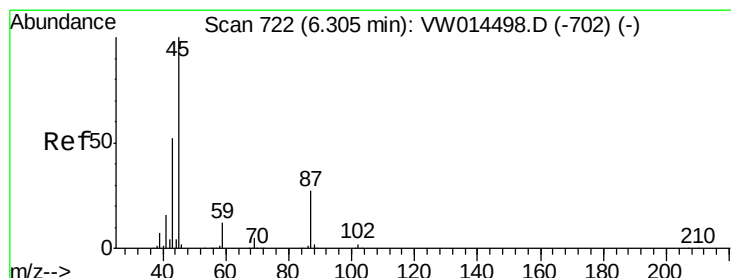
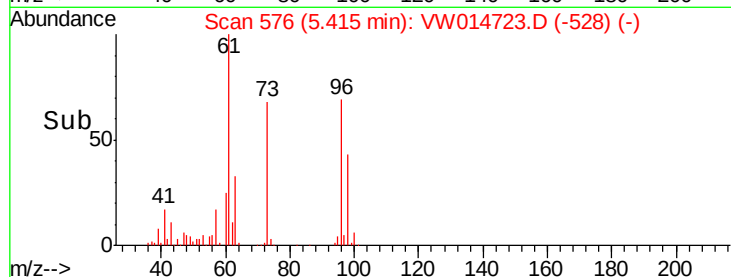
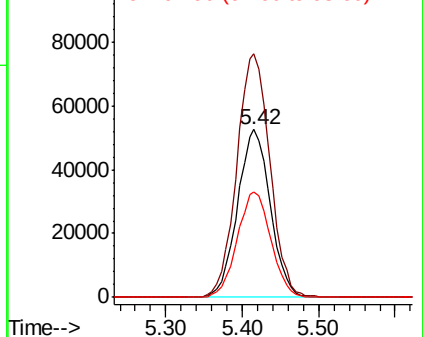
96 100

61 145.4 107.8 161.6

98 62.7 49.4 74.0



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



#22

Diisopropyl ether

Concen: 24.085 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW014723.D

Acq: 23 Jan 2020 14:03

Tgt Ion: 45 Resp: 460497

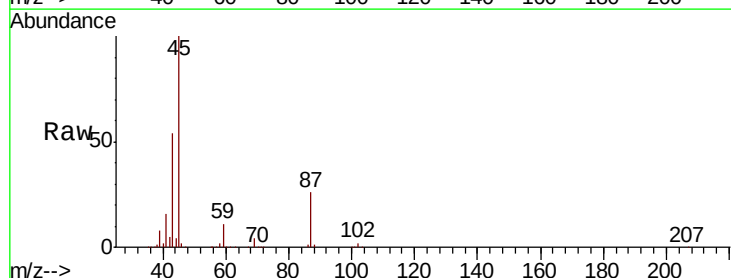
Ion Ratio Lower Upper

45 100

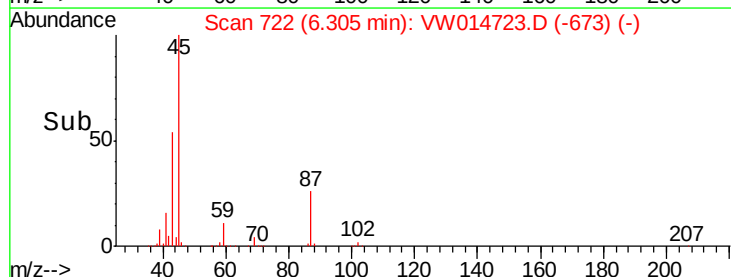
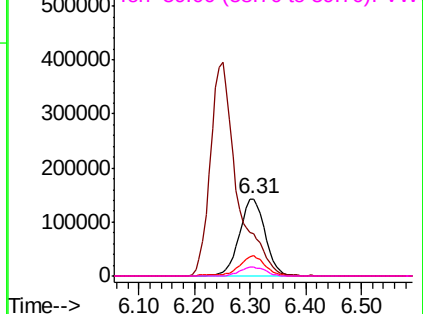
43 53.6 41.4 62.0

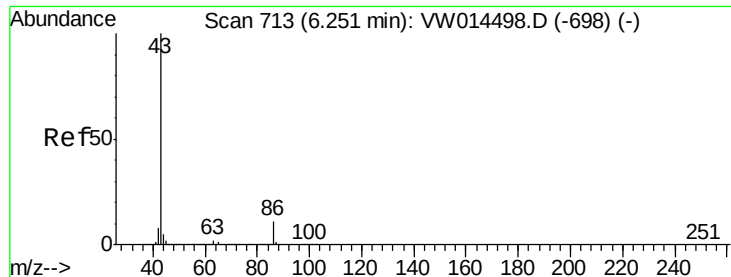
87 25.9 22.2 33.2

59 11.1 9.5 14.3



Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 113.656 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW014723.D

Acq: 23 Jan 2020 14:03

Instrument :

MSVOA_W

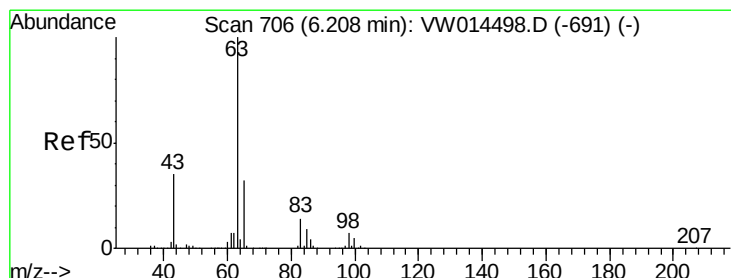
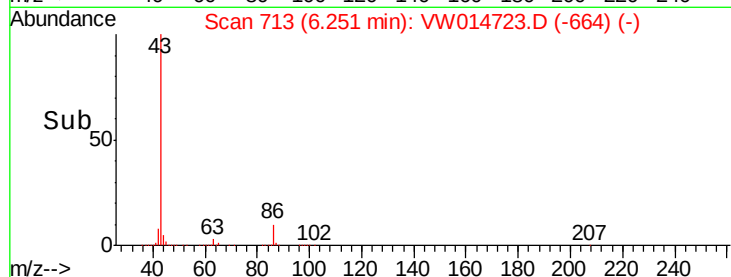
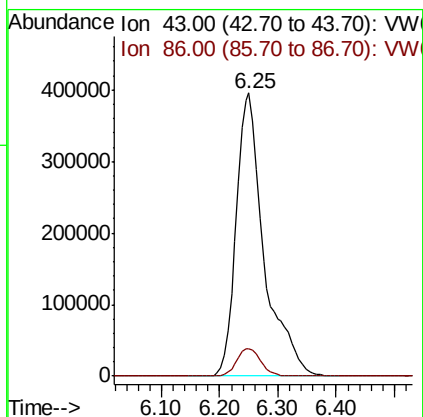
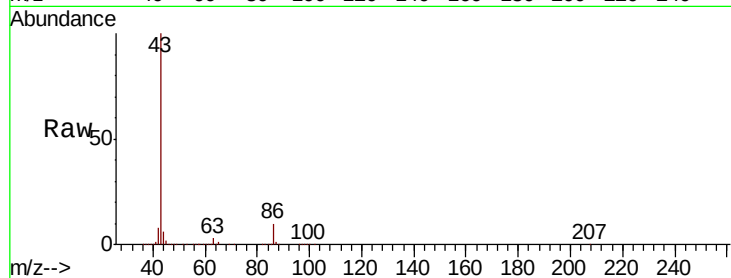
ClientSampleId :

Tot Ion: 43 Resp: 1312240

Ion Ratio Lower Upper

43 100

86 9.9 8.8 13.2



#24

1,1-Dichloroethane

Concen: 23.612 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW014723.D

Acq: 23 Jan 2020 14:03

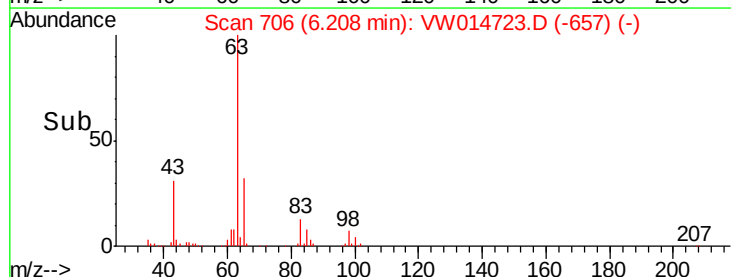
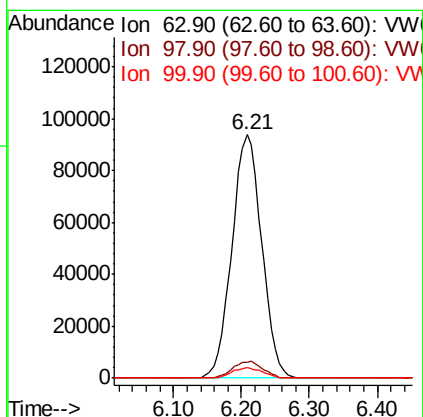
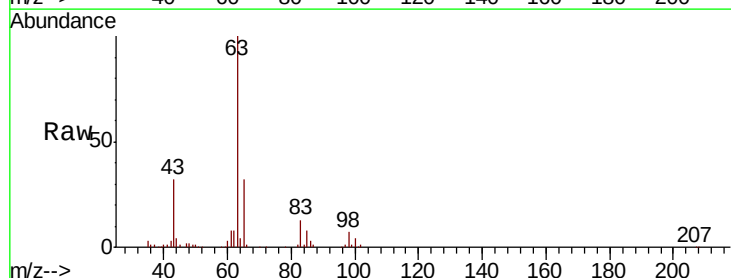
Tgt Ion: 63 Resp: 284773

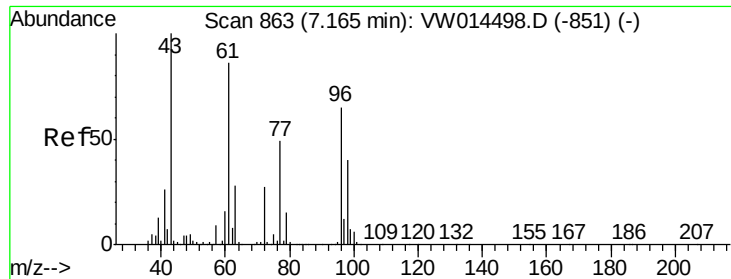
Ion Ratio Lower Upper

63 100

98 6.7 3.5 10.4

100 4.1 2.5 7.4





#25

2-Butanone

Concen: 106.288 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW014723.D

Acq: 23 Jan 2020 14:03

Instrument :

MSVOA_W

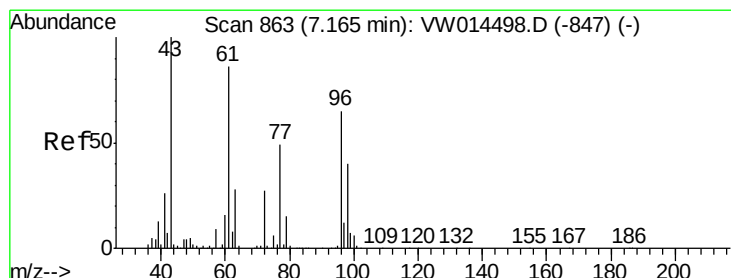
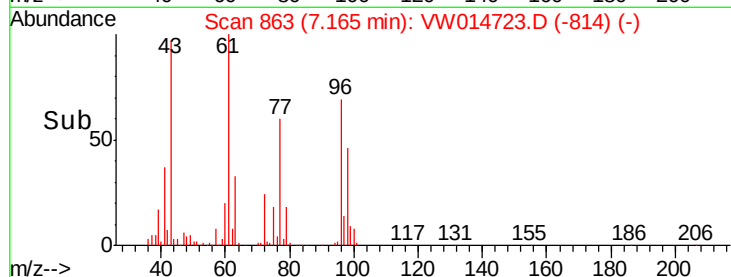
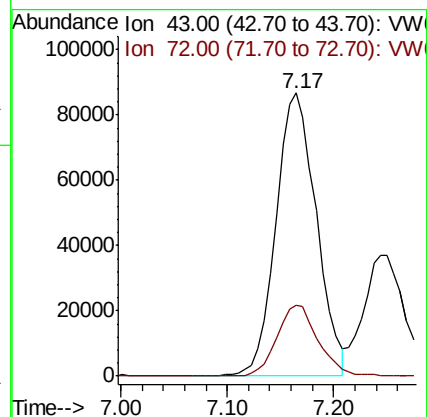
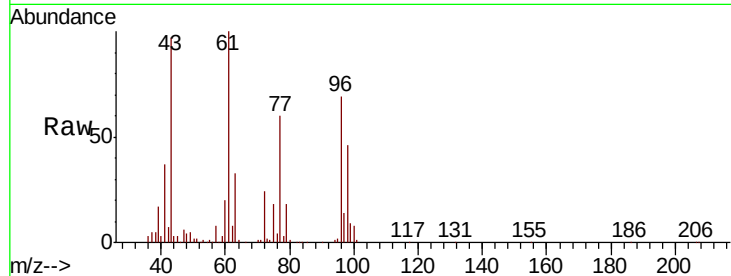
ClientSampled :

Tot Ion: 43 Resp: 226196

Ion Ratio Lower Upper

43 100

72 25.1 21.9 32.9



#26

2,2-Dichloropropane

Concen: 24.482 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW014723.D

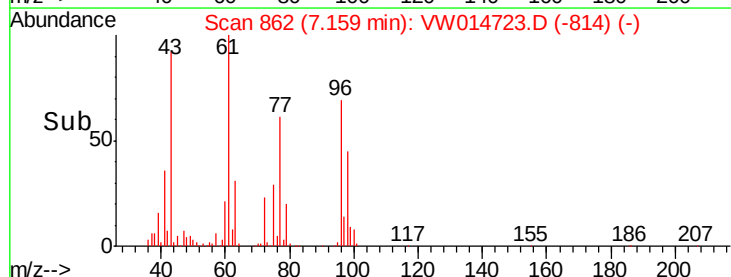
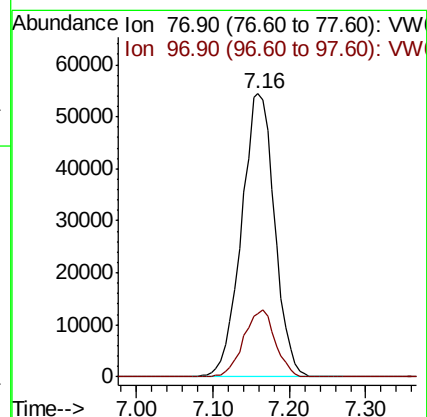
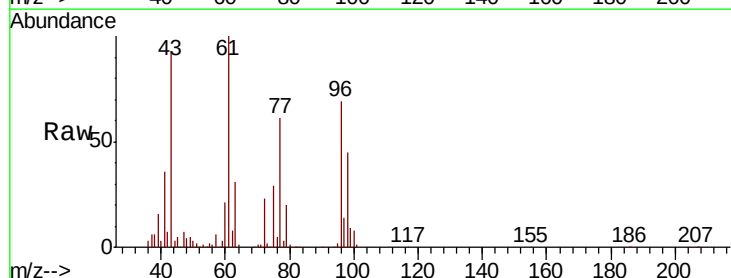
Acq: 23 Jan 2020 14:03

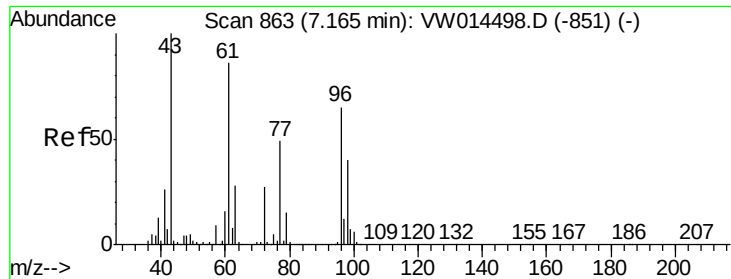
Tgt Ion: 77 Resp: 163471

Ion Ratio Lower Upper

77 100

97 22.6 12.5 37.5

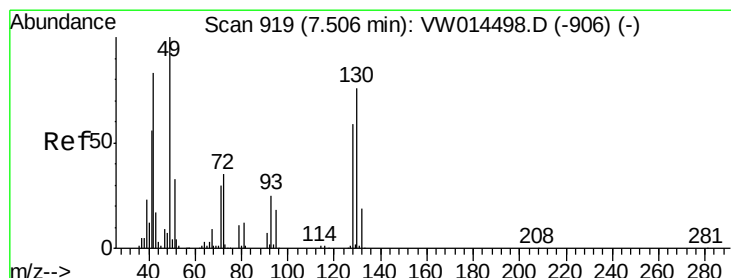
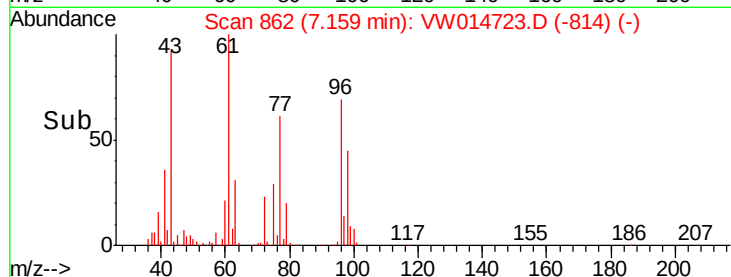
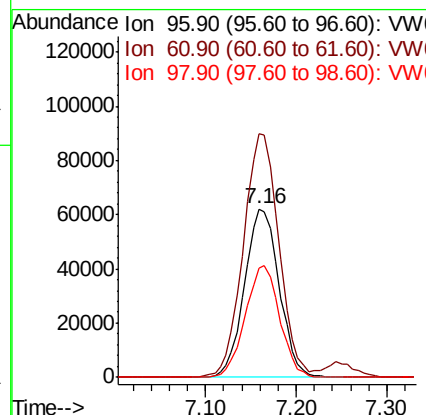
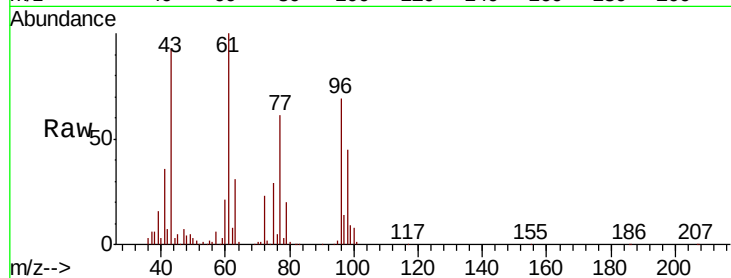




#27
 cis-1,2-Dichloroethene
 Concen: 21.993 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW014723.D
 Acq: 23 Jan 2020 14:03

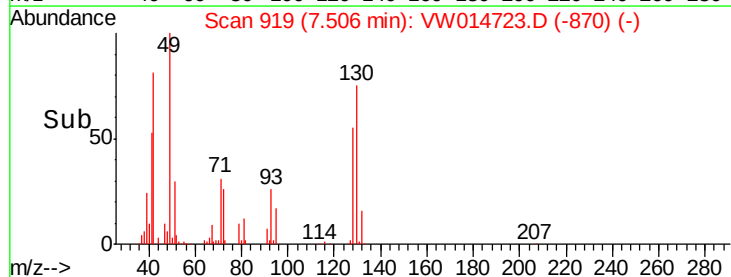
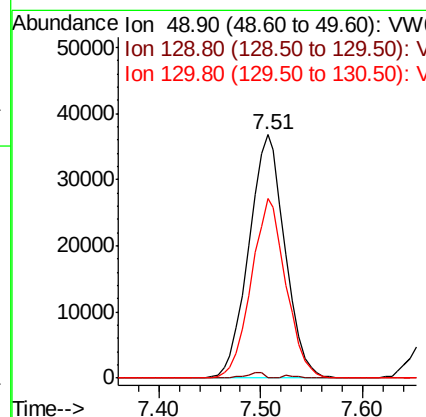
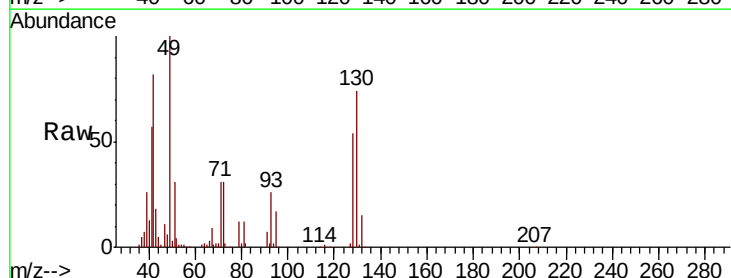
Instrument :
 MSVOA_W
 ClientSampled :

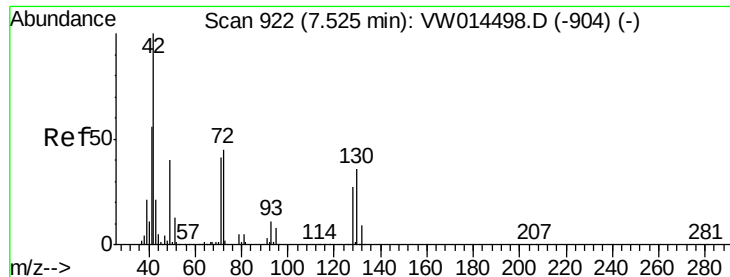
Tot Ion: 96 Resp: 164029
 Ion Ratio Lower Upper
 96 100
 61 149.1 0.0 274.8
 98 65.9 0.0 128.6



#28
 Bromochloromethane
 Concen: 19.155 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW014723.D
 Acq: 23 Jan 2020 14:03

Tgt Ion: 49 Resp: 90570
 Ion Ratio Lower Upper
 49 100
 129 1.0 0.0 2.0
 130 70.7 62.5 93.7





#29

Tetrahydrofuran

Concen: 105.674 ug/l

RT: 7.52 min Scan# 922

Delta R.T. 0.00 min

Lab File: VW014723.D

Acq: 23 Jan 2020 14:03

Instrument :

MSVOA_W

ClientSampleId :

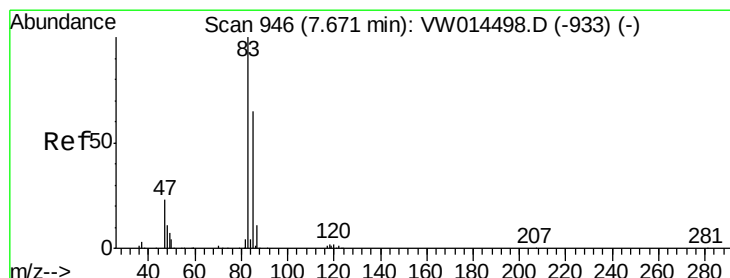
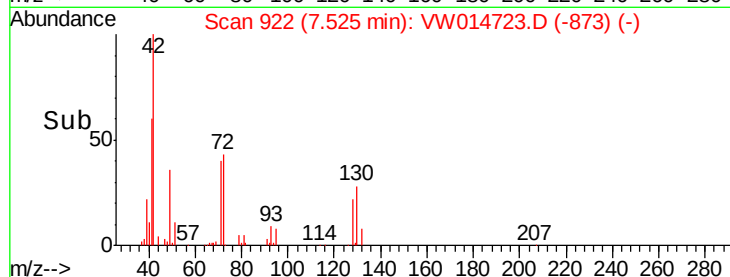
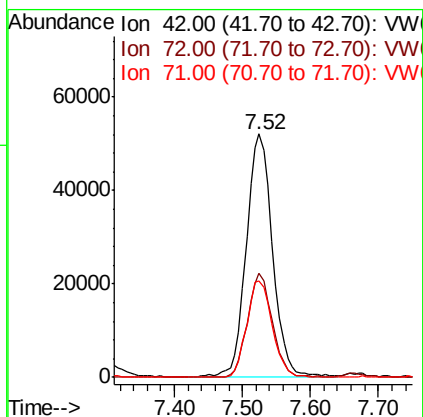
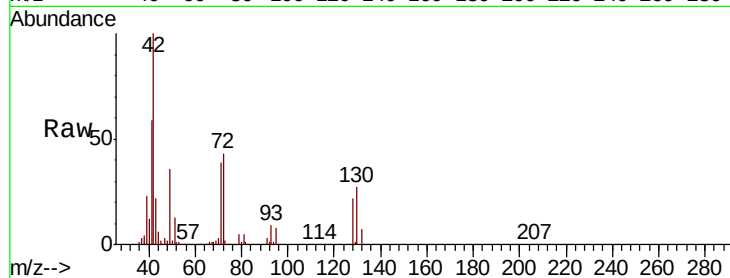
Tot Ion: 42 Resp: 139321

Ion Ratio Lower Upper

42 100

72 40.8 34.5 51.7

71 39.1 32.0 48.0



#30

Chloroform

Concen: 23.519 ug/l

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW014723.D

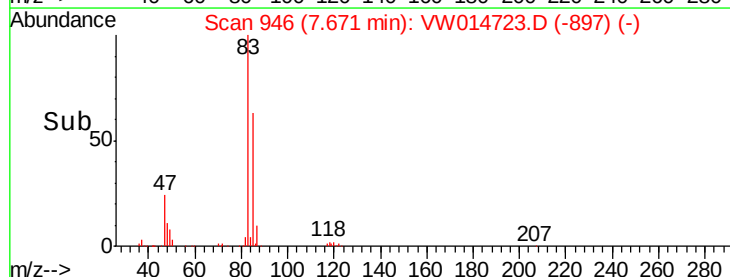
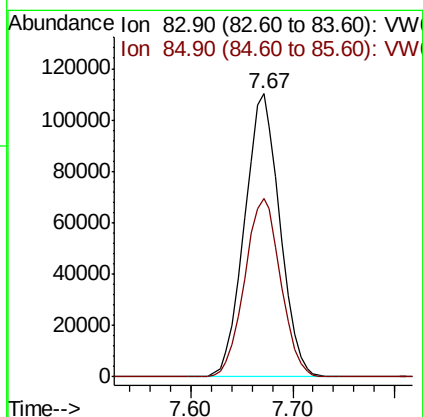
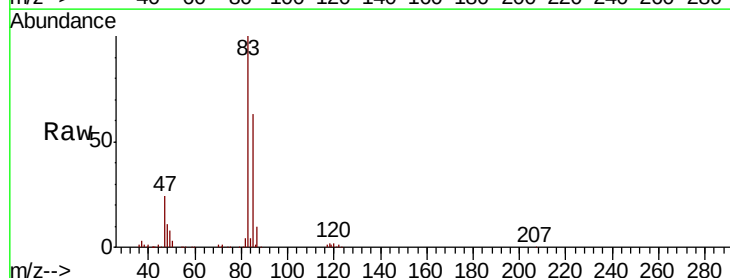
Acq: 23 Jan 2020 14:03

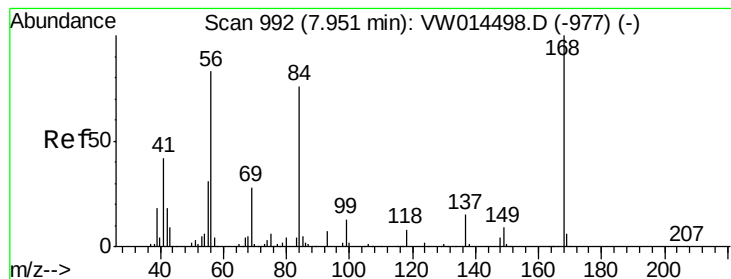
Tgt Ion: 83 Resp: 265259

Ion Ratio Lower Upper

83 100

85 62.9 52.2 78.2





#31

Cyclohexane

Concen: 22.788 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW014723.D

Acq: 23 Jan 2020 14:03

Instrument :

MSVOA_W

ClientSampleId :

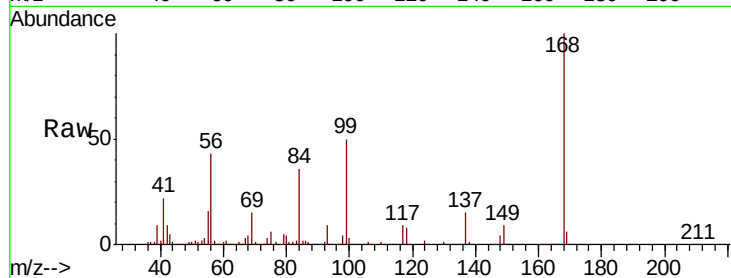
Tot Ion: 56 Resp: 285624

Ion Ratio Lower Upper

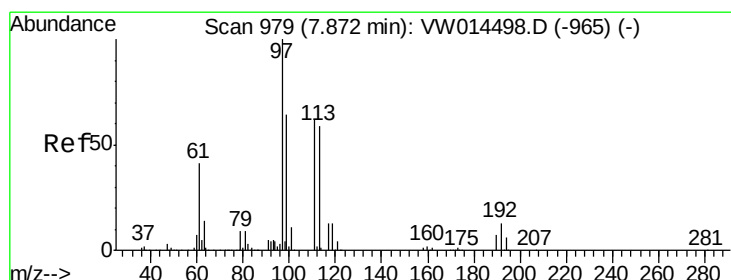
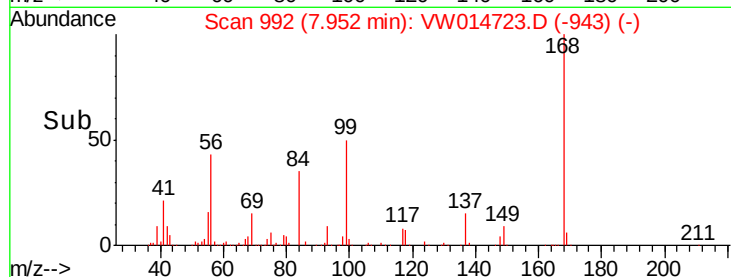
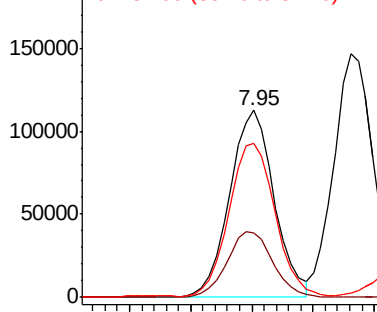
56 100

69 34.3 26.8 40.2

84 81.1 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: 24.022 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW014723.D

Acq: 23 Jan 2020 14:03

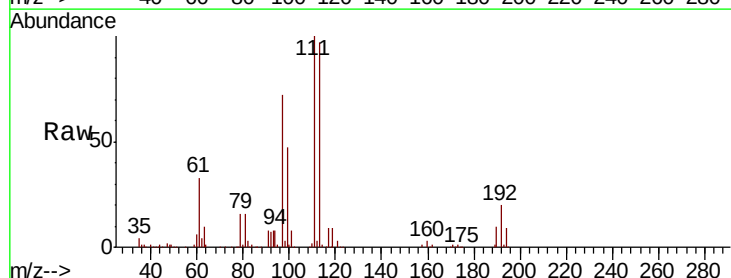
Tgt Ion: 97 Resp: 217896

Ion Ratio Lower Upper

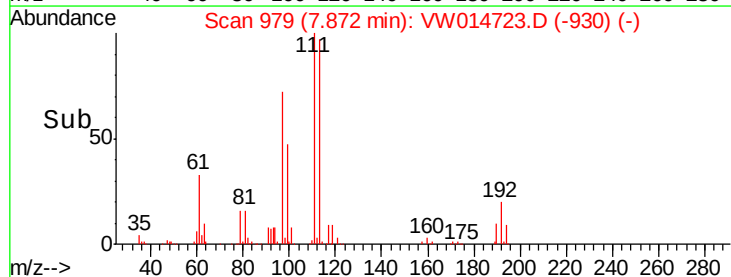
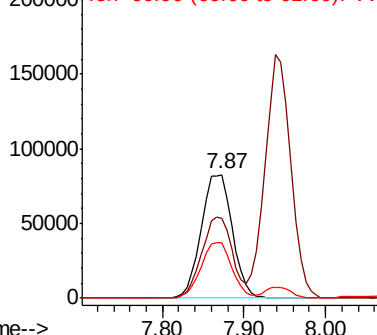
97 100

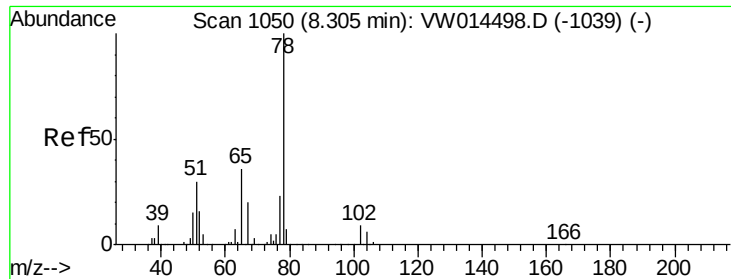
99 64.6 51.8 77.6

61 44.9 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

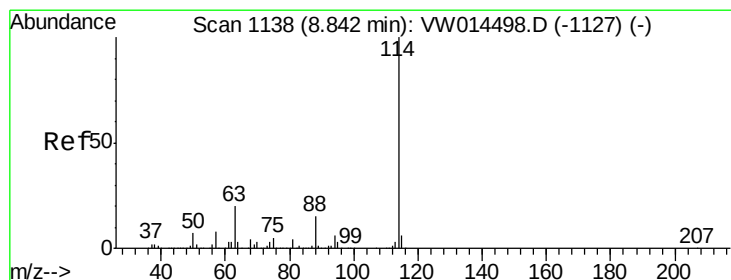
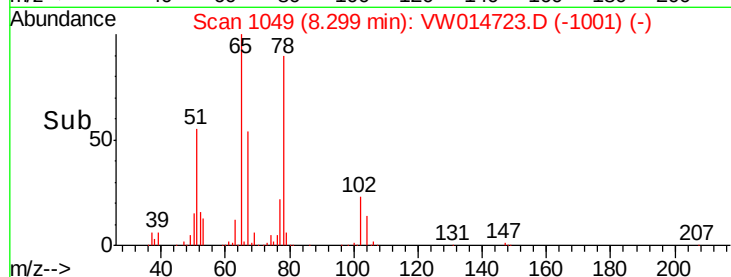
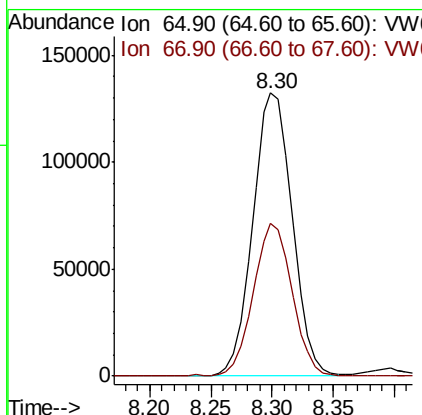
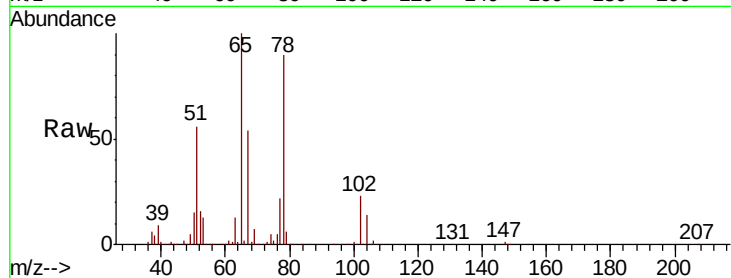




#33
 1,2-Dichloroethane-d4
 Concen: 50.540 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW014723.D
 Acq: 23 Jan 2020 14:03

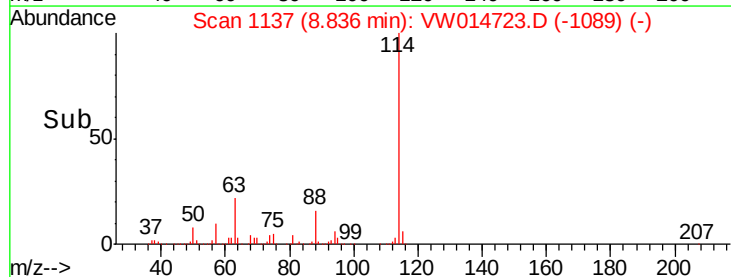
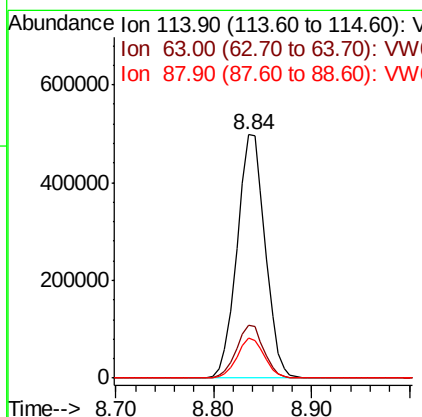
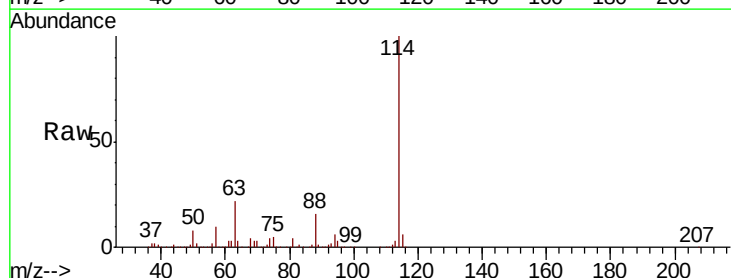
Instrument :
 MSVOA_W
 ClientSampleId :

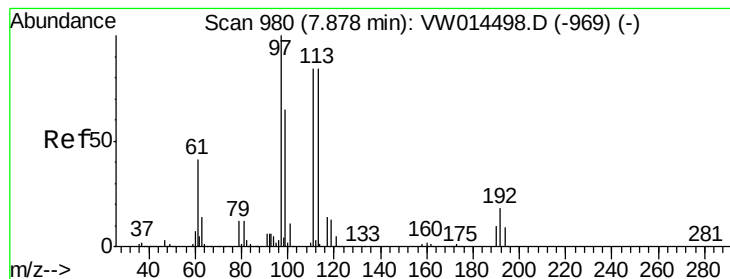
Tot Ion: 65 Resp: 296817
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VW014723.D
 Acq: 23 Jan 2020 14:03

Tgt Ion: 114 Resp: 993159
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 40.4
 88 16.2 0.0 30.6





#35

Dibromofluoromethane

Concen: 49.860 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW014723.D

Acq: 23 Jan 2020 14:03

Instrument :

MSVOA_W

ClientSampleId :

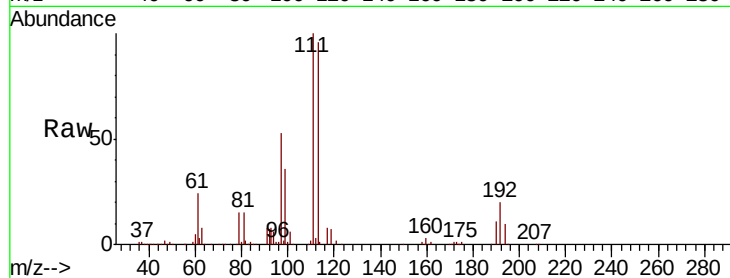
Tot Ion:113 Resp: 283011

Ion Ratio Lower Upper

113 100

111 102.4 81.4 122.2

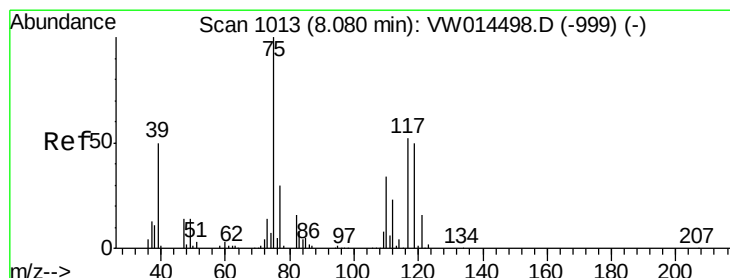
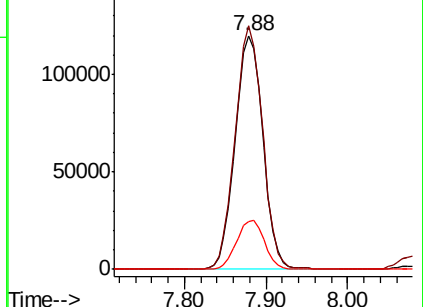
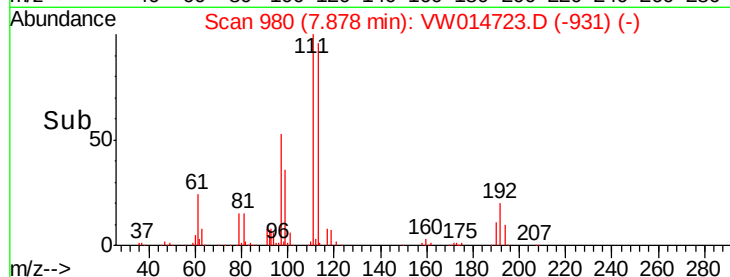
192 21.2 17.8 26.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 23.914 ug/l

RT: 8.07 min Scan# 1012

Delta R.T. -0.01 min

Lab File: VW014723.D

Acq: 23 Jan 2020 14:03

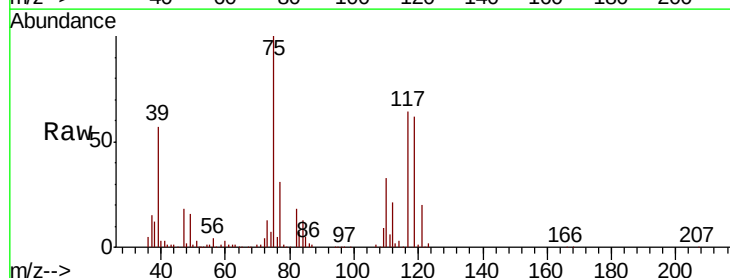
Tgt Ion: 75 Resp: 228969

Ion Ratio Lower Upper

75 100

110 34.4 17.8 53.5

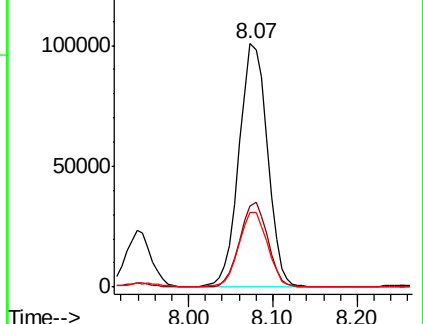
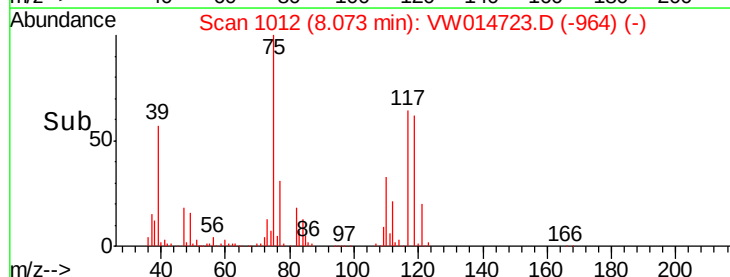
77 31.3 24.7 37.1

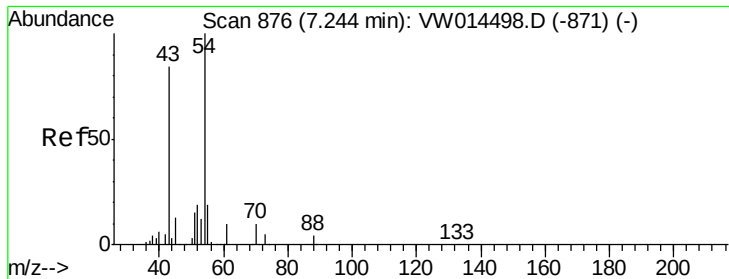


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

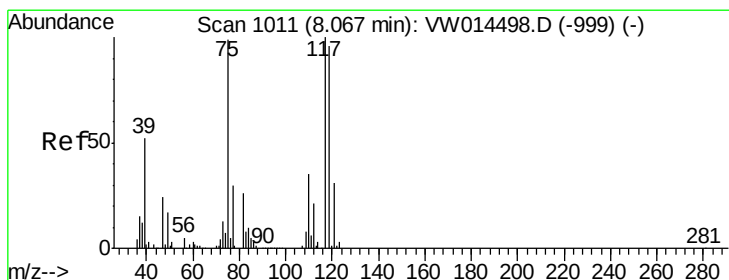
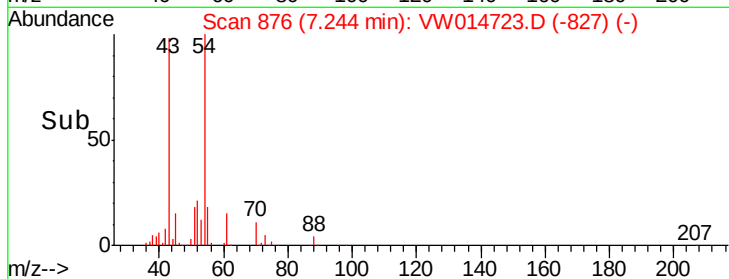
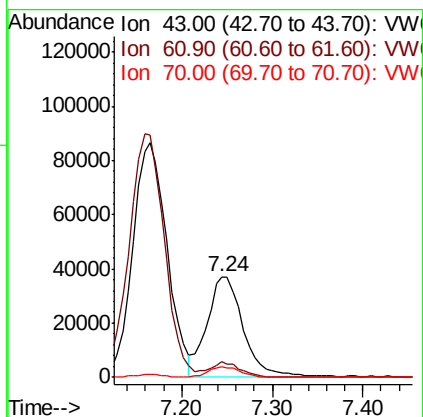
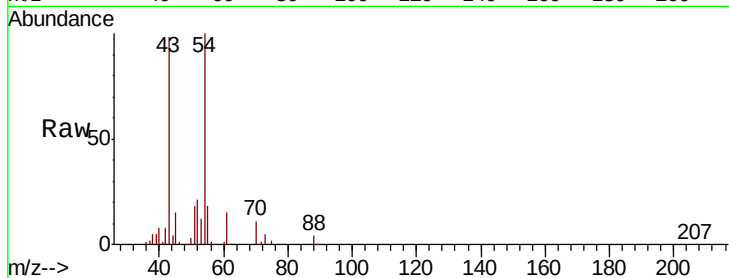




#37
Ethyl Acetate
Concen: 23.414 ug/l
RT: 7.24 min Scan# 876
Delta R.T. 0.00 min
Lab File: VW014723.D
Acq: 23 Jan 2020 14:03

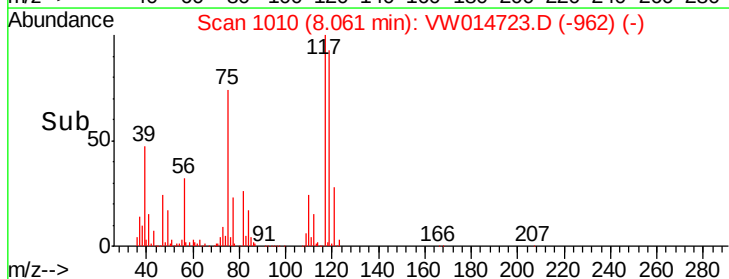
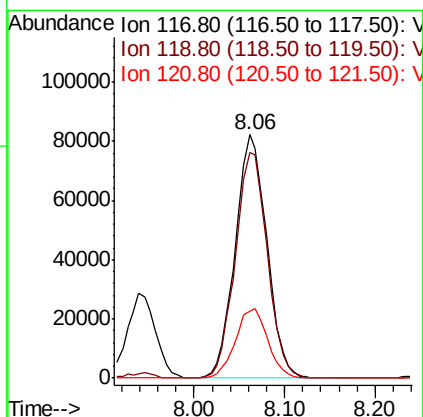
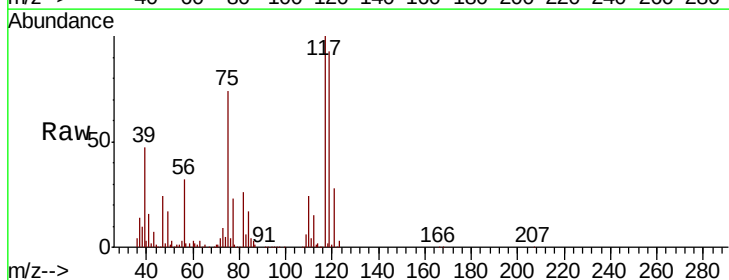
Instrument :
MSVOA_W
ClientSampled :

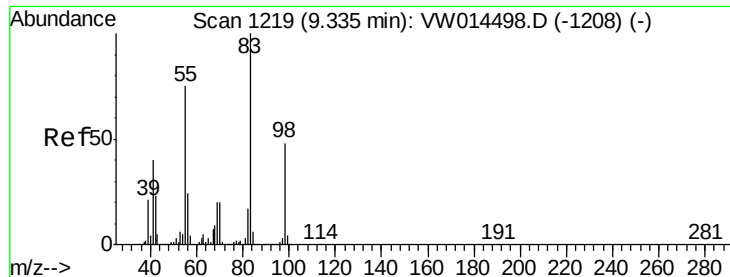
Tot Ion: 43 Resp: 101671
Ion Ratio Lower Upper
43 100
61 13.1 11.7 17.5
70 9.8 9.0 13.6



#38
Carbon Tetrachloride
Concen: 23.955 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW014723.D
Acq: 23 Jan 2020 14:03

Tgt Ion: 117 Resp: 198978
Ion Ratio Lower Upper
117 100
119 93.0 77.0 115.6
121 27.7 24.6 36.8

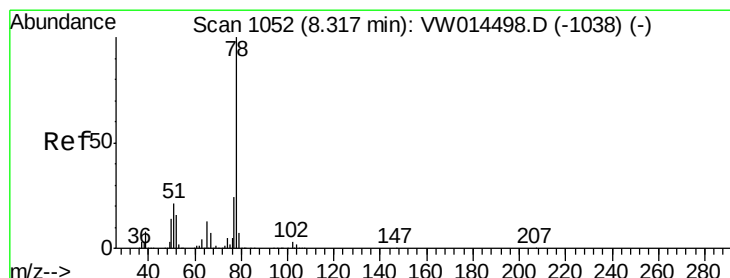
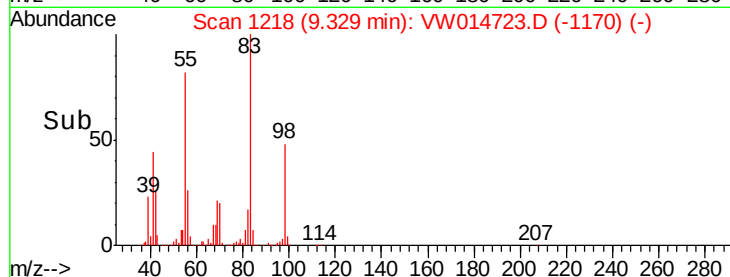
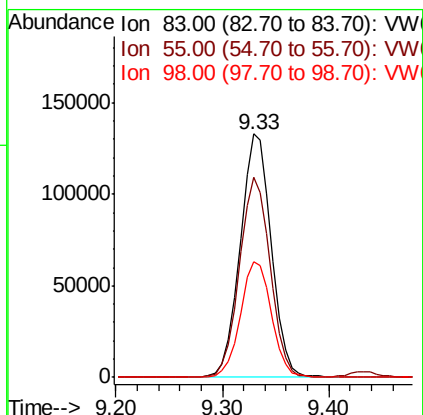
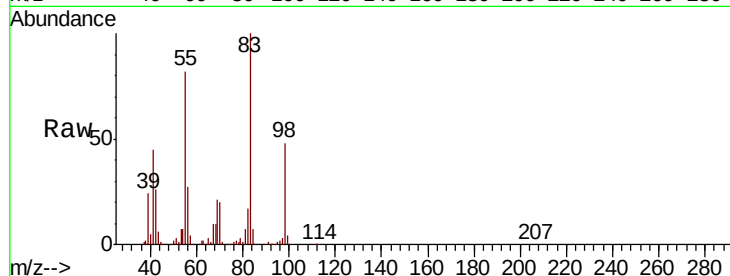




#39
Methylvlcyclohexane
Concen: 22.177 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW014723.D
Acq: 23 Jan 2020 14:03

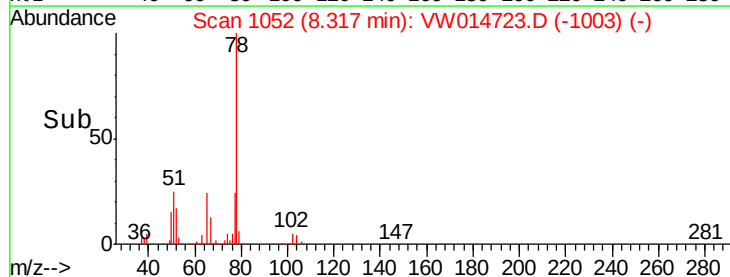
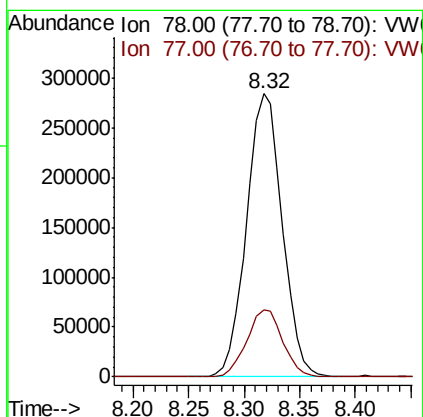
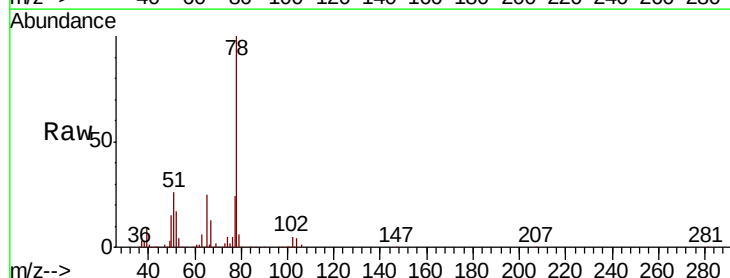
Instrument :
MSVOA_W
ClientSampleId :

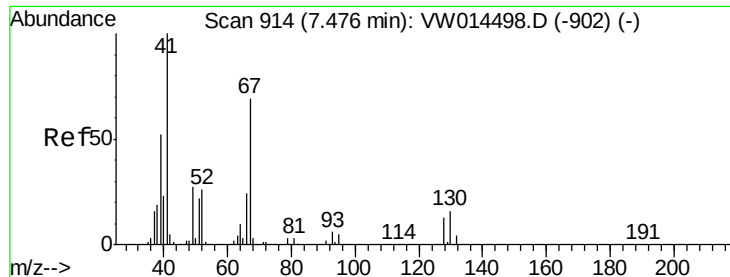
Tot Ion: 83 Resp: 272491
Ion Ratio Lower Upper
83 100
55 82.3 60.1 90.1
98 47.5 38.8 58.2



#40
Benzene
Concen: 23.443 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW014723.D
Acq: 23 Jan 2020 14:03

Tgt Ion: 78 Resp: 635054
Ion Ratio Lower Upper
78 100
77 23.9 19.3 28.9

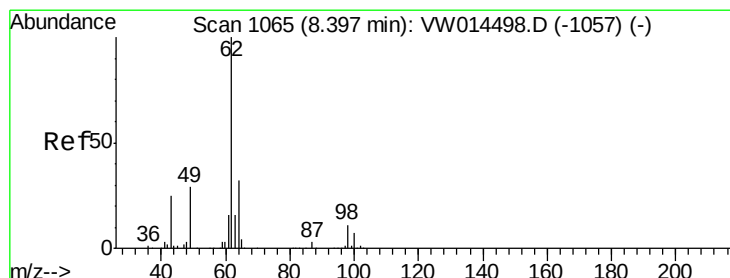
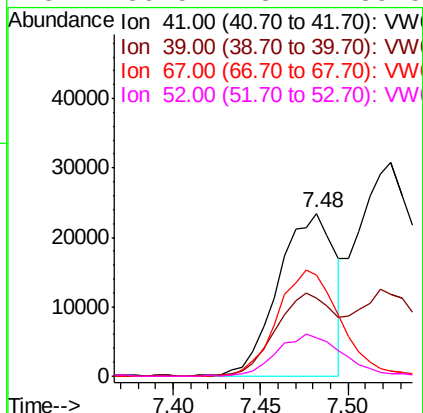
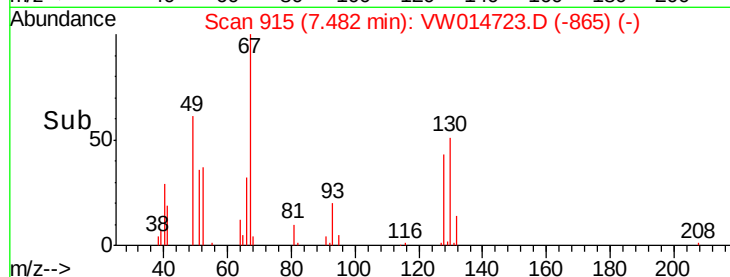
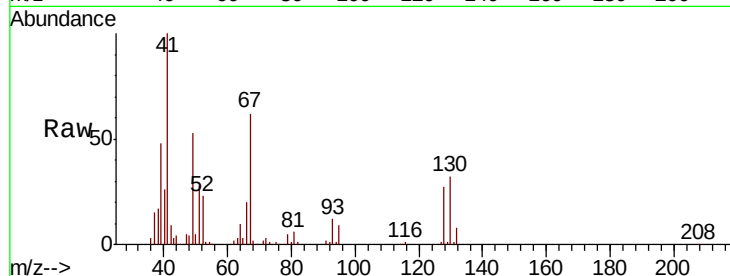




#41
Methacrylonitrile
Concen: 21.900 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.01 min
Lab File: VW014723.D
Acq: 23 Jan 2020 14:03

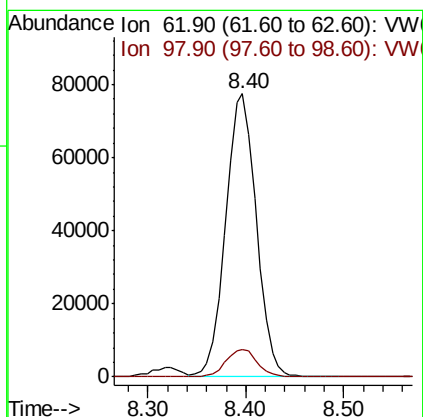
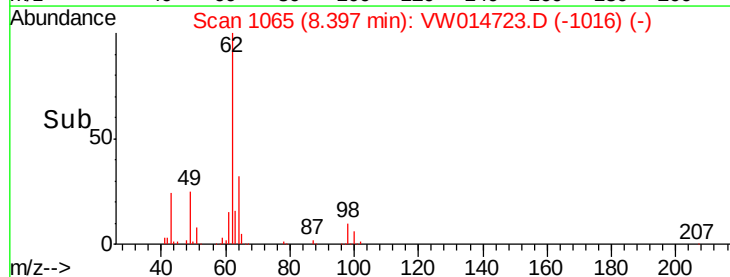
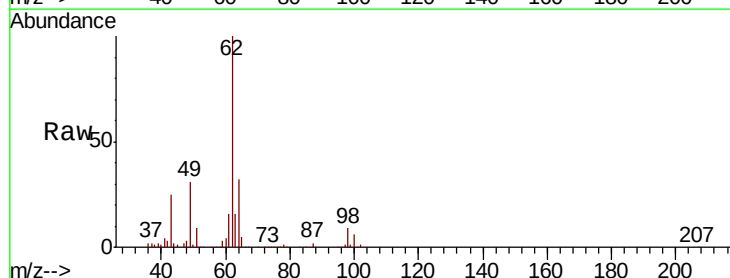
Instrument :
MSVOA_W
ClientSampled :

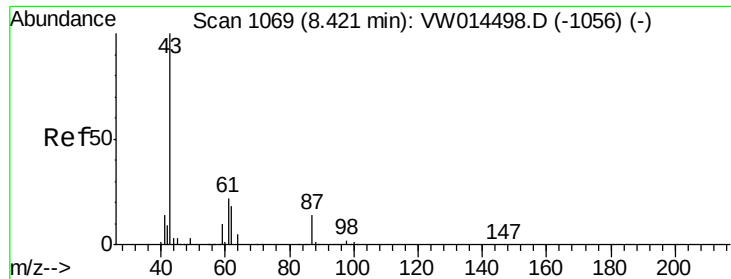
Tot Ion:	41	Resp:	53010
Ion	Ratio	Lower	Upper
41	100		
39	52.1	46.0	69.0
67	73.2	60.8	91.2
52	30.5	23.7	35.5



#42
1,2-Dichloroethane
Concen: 23.973 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW014723.D
Acq: 23 Jan 2020 14:03

Tgt Ion:	62	Resp:	168533
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	22.0





#43

Isopropyl Acetate

Concen: 22.151 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW014723.D

Acq: 23 Jan 2020 14:03

Instrument :

MSVOA_W

ClientSampled :

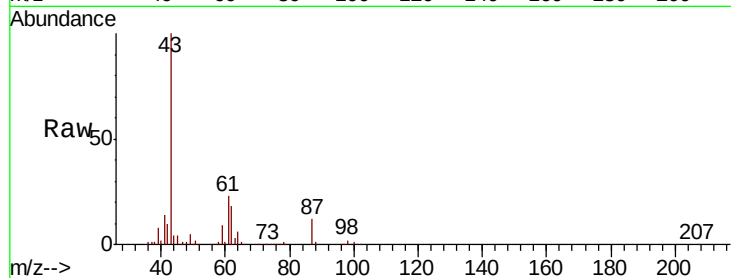
Tot Ion: 43 Resp: 174666

Ion Ratio Lower Upper

43 100

61 30.9 24.7 37.1

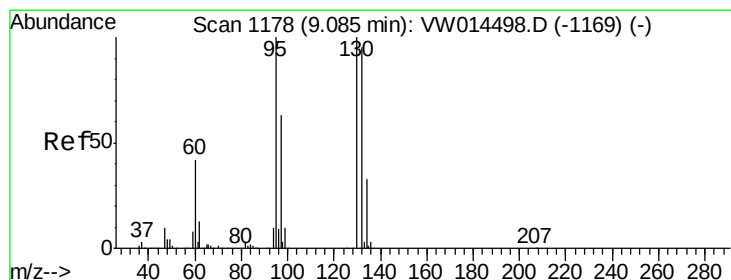
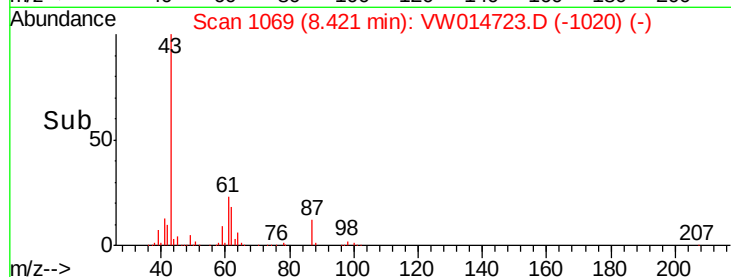
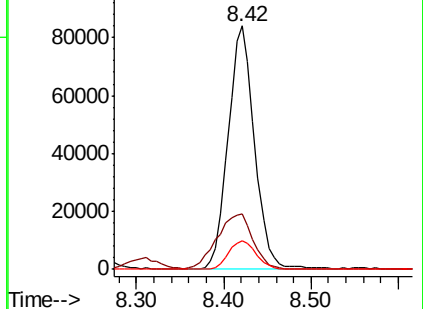
87 12.5 11.1 16.7



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: 22.571 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VW014723.D

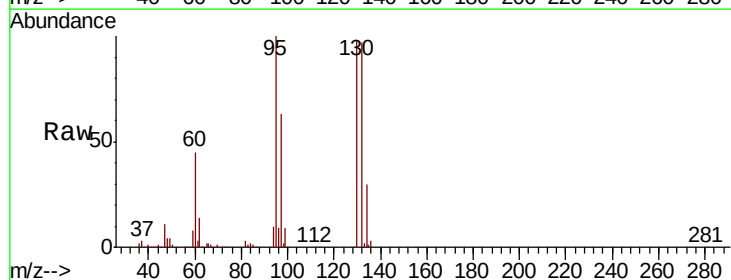
Acq: 23 Jan 2020 14:03

Tgt Ion:130 Resp: 165450

Ion Ratio Lower Upper

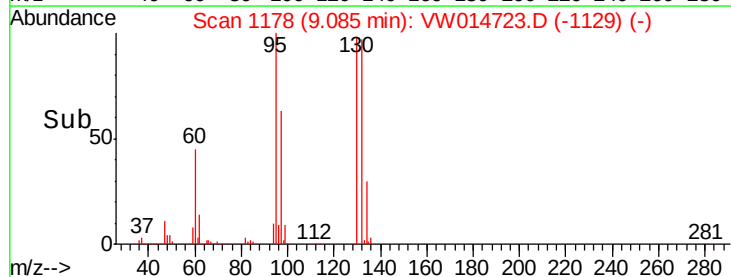
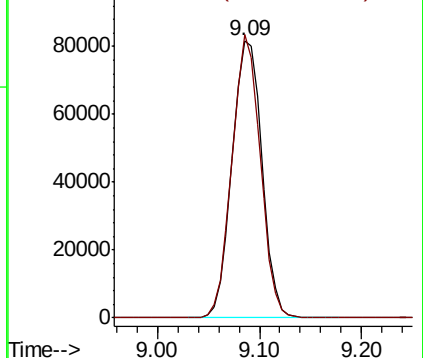
130 100

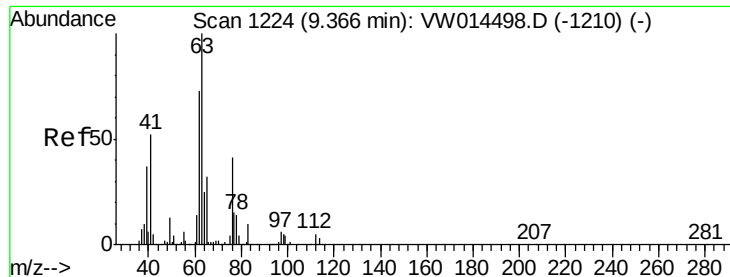
95 102.2 0.0 199.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 23.587 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW014723.D

Acq: 23 Jan 2020 14:03

Instrument :

MSVOA_W

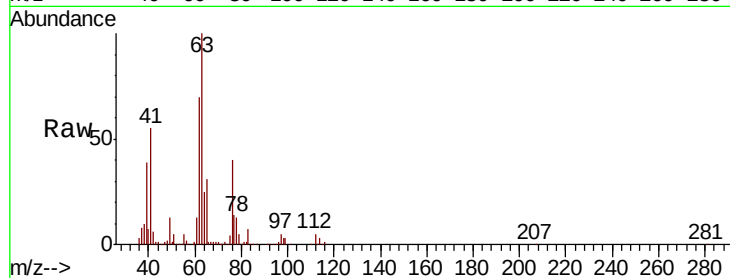
ClientSampleId :

Tot Ion: 63 Resp: 156797

Ion Ratio Lower Upper

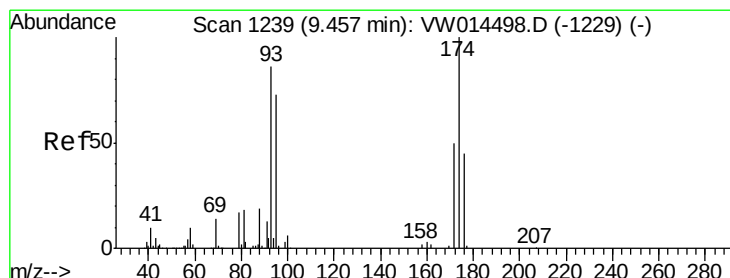
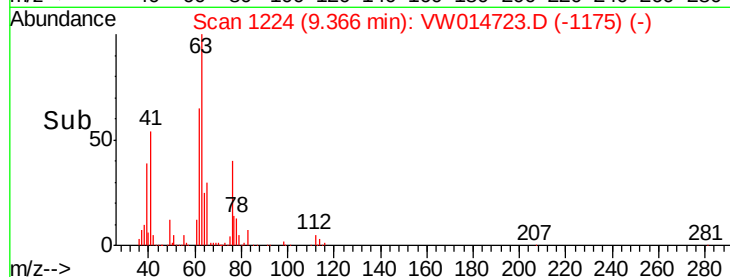
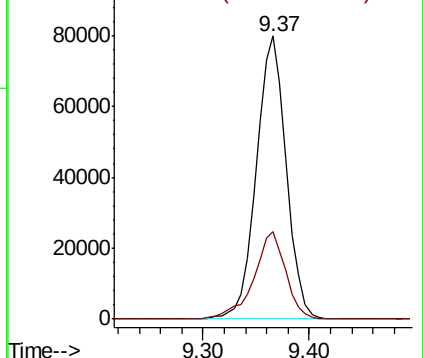
63 100

65 31.0 25.6 38.4



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 22.338 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. -0.01 min

Lab File: VW014723.D

Acq: 23 Jan 2020 14:03

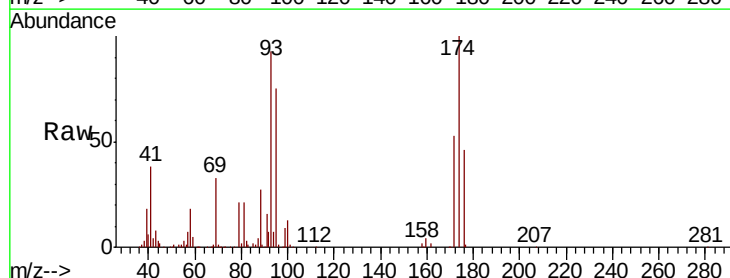
Tgt Ion: 93 Resp: 73305

Ion Ratio Lower Upper

93 100

95 82.6 66.4 99.6

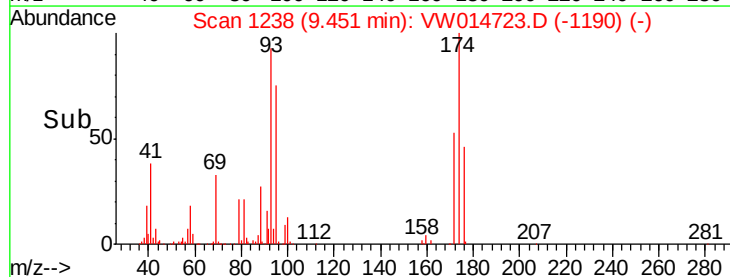
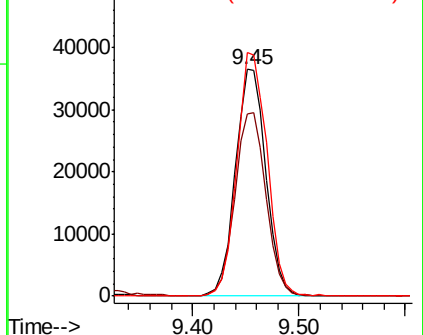
174 106.7 89.1 133.7

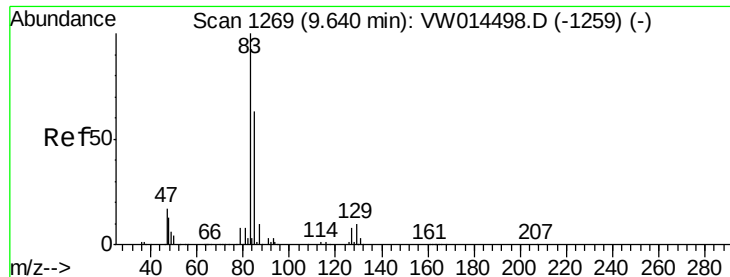


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 23.181 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW014723.D

Acq: 23 Jan 2020 14:03

Instrument :

MSVOA_W

ClientSampleId :

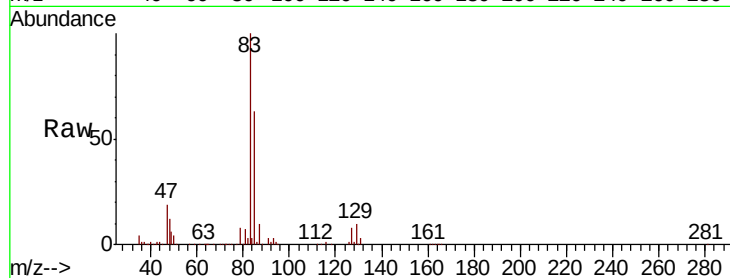
Tot Ion: 83 Resp: 187812

Ion Ratio Lower Upper

83 100

85 63.3 50.6 76.0

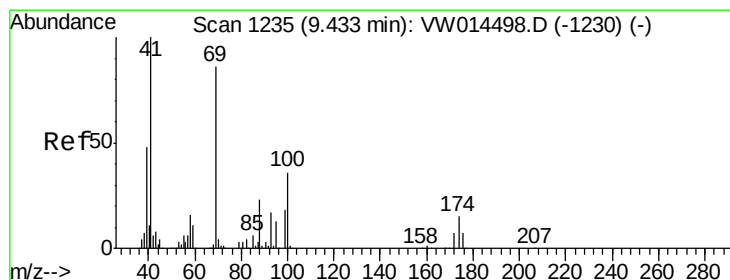
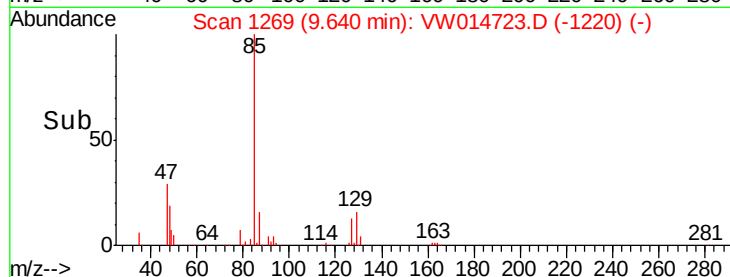
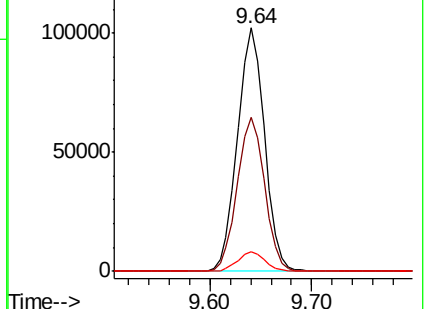
127 8.2 6.6 9.8



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): V



#48

Methyl methacrylate

Concen: 21.028 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW014723.D

Acq: 23 Jan 2020 14:03

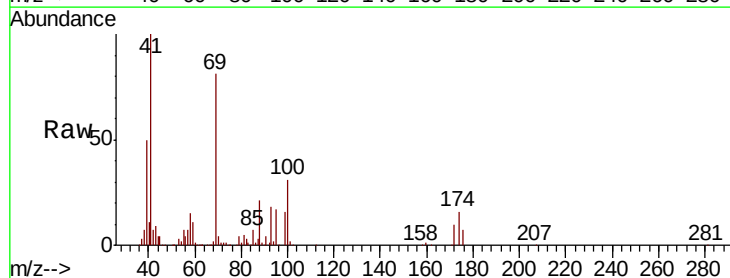
Tgt Ion: 41 Resp: 80955

Ion Ratio Lower Upper

41 100

69 85.7 68.3 102.5

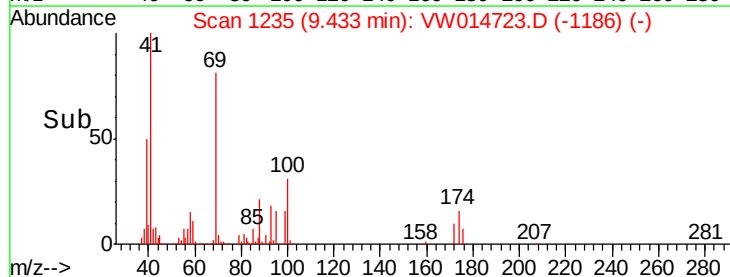
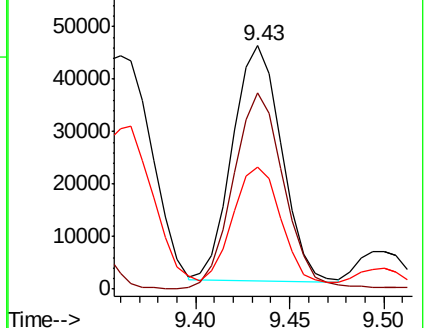
39 48.3 36.8 55.2

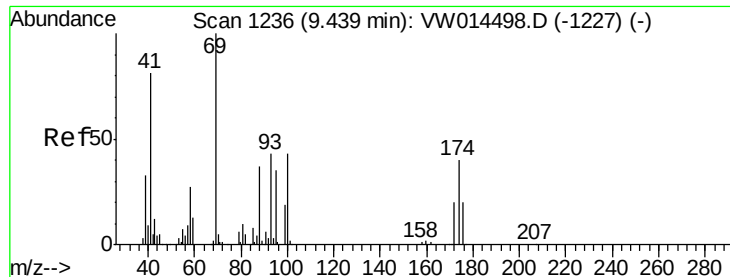


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 426.547 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. 0.01 min

Lab File: VW014723.D

Acq: 23 Jan 2020 14:03

Instrument :
MSVOA_W
ClientSampleId :

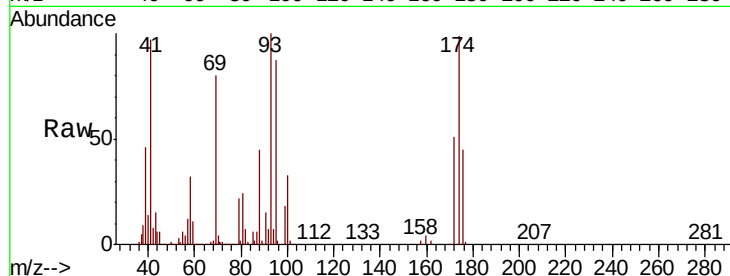
Tot Ion: 88 Resp: 26181

Ion Ratio Lower Upper

88 100

43 32.9 24.9 37.3

58 75.1 56.9 85.3

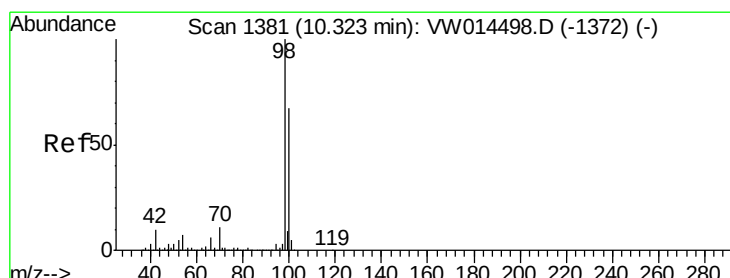
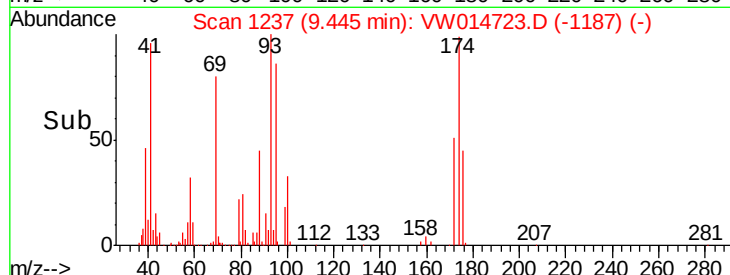
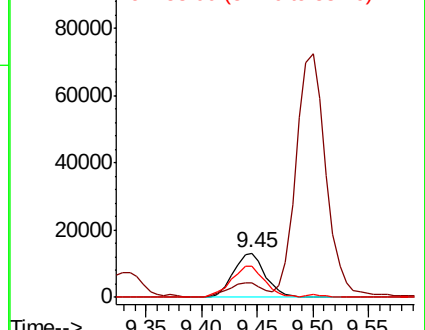


Abundance

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: 49.074 ug/l

RT: 10.32 min Scan# 1380

Delta R.T. -0.01 min

Lab File: VW014723.D

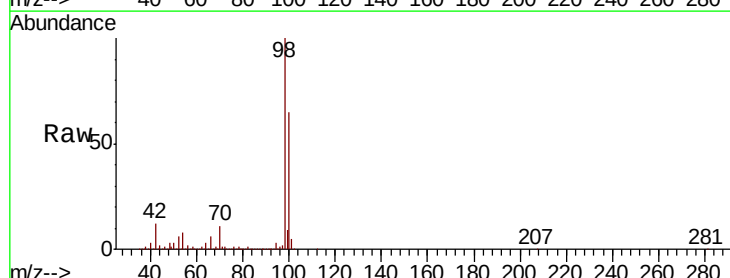
Acq: 23 Jan 2020 14:03

Tgt Ion: 98 Resp: 1162459

Ion Ratio Lower Upper

98 100

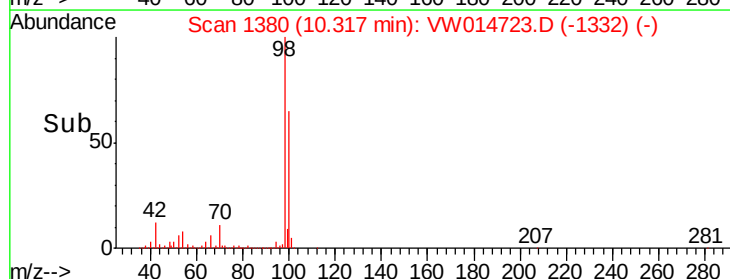
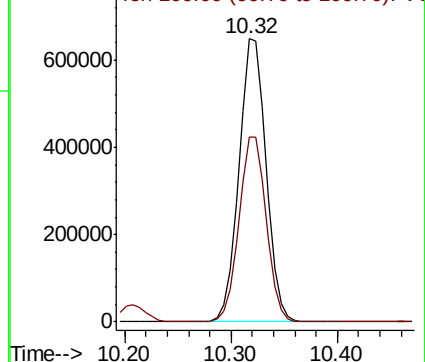
100 65.6 53.8 80.6

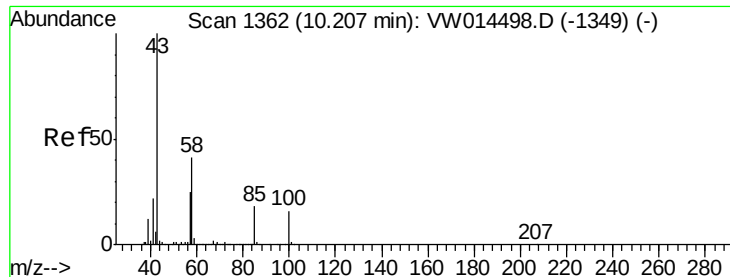


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

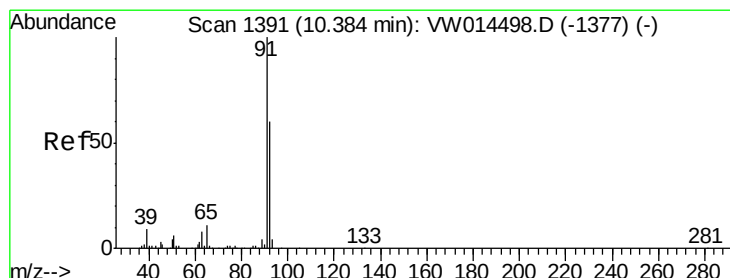
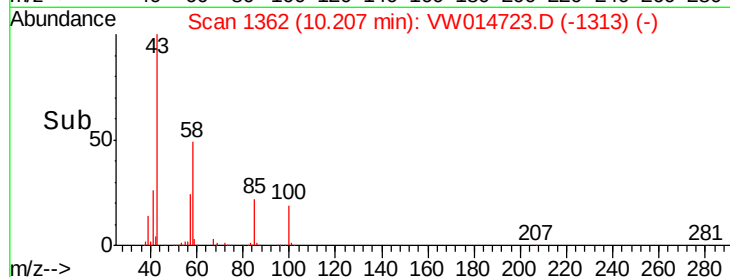
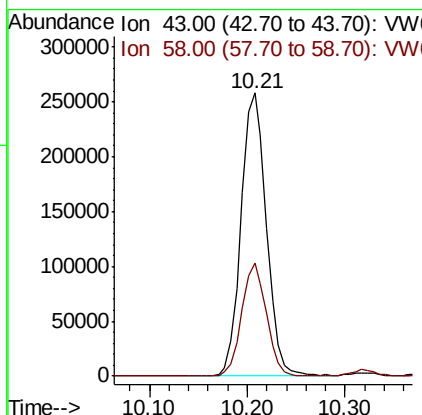
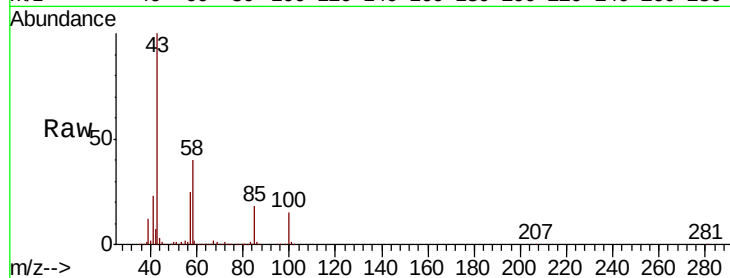




#51
 4-Methyl-2-Pentanone
 Concen: 112.698 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW014723.D
 Acq: 23 Jan 2020 14:03

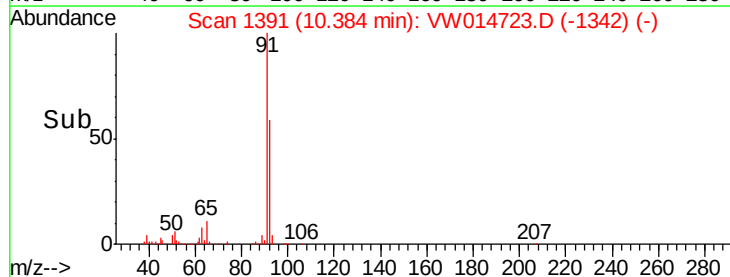
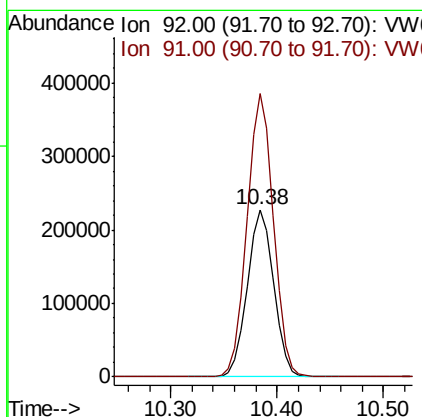
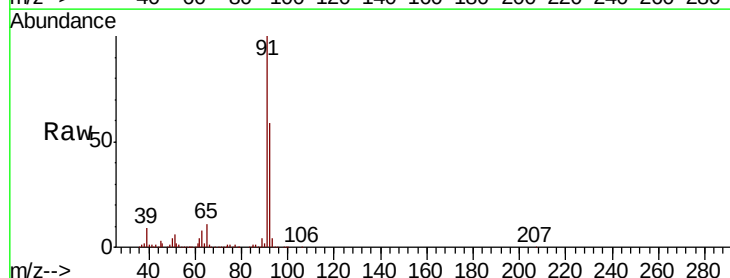
Instrument :
 MSVOA_W
 ClientSampleId :

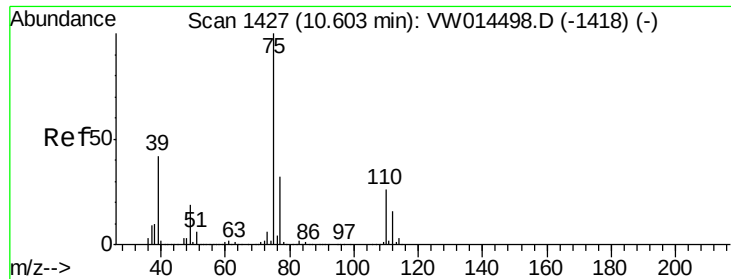
Tot Ion: 43 Resp: 461478
 Ion Ratio Lower Upper
 43 100
 58 39.1 32.7 49.1



#52
 Toluene
 Concen: 23.271 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VW014723.D
 Acq: 23 Jan 2020 14:03

Tgt Ion: 92 Resp: 396591
 Ion Ratio Lower Upper
 92 100
 91 169.1 134.1 201.1





#53

t-1,3-Dichloropropene

Concen: 22.099 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW014723.D

Acq: 23 Jan 2020 14:03

Instrument :

MSVOA_W

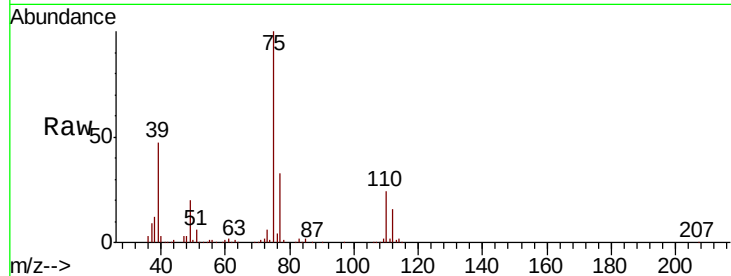
ClientSampleId :

Tot Ion: 75 Resp: 185387

Ion Ratio Lower Upper

75 100

77 32.6 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

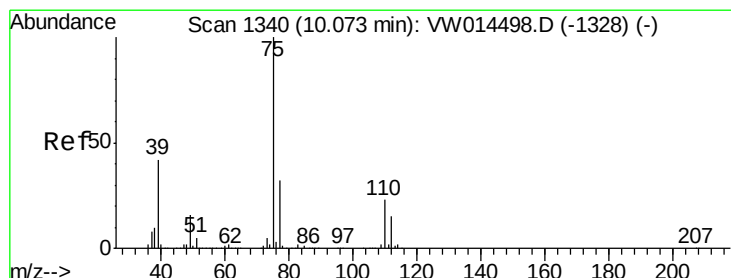
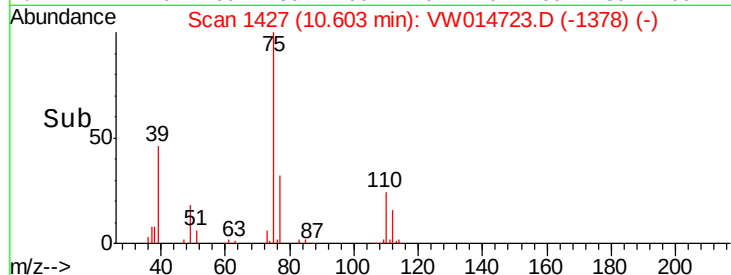
60000

40000

20000

0

Time--> 10.50 10.60 10.70



#54

cis-1,3-Dichloropropene

Concen: 22.409 ug/l

RT: 10.07 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VW014723.D

Acq: 23 Jan 2020 14:03

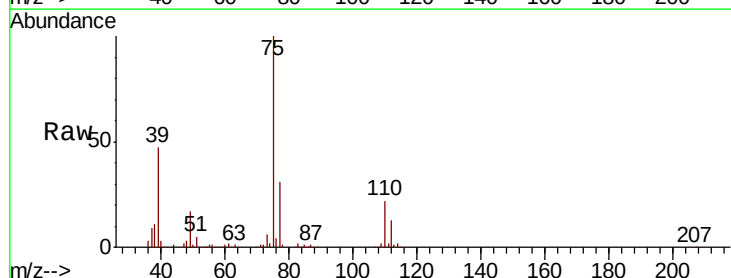
Tgt Ion: 75 Resp: 229752

Ion Ratio Lower Upper

75 100

77 31.0 25.4 38.0

39 47.1 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

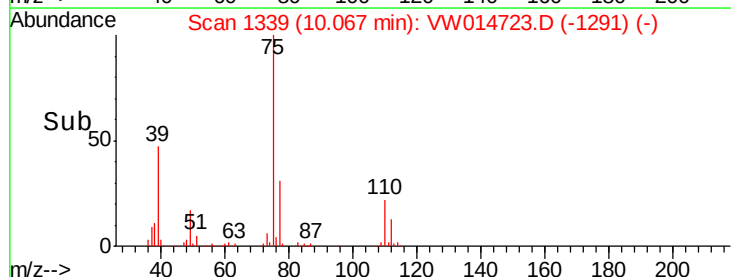
150000

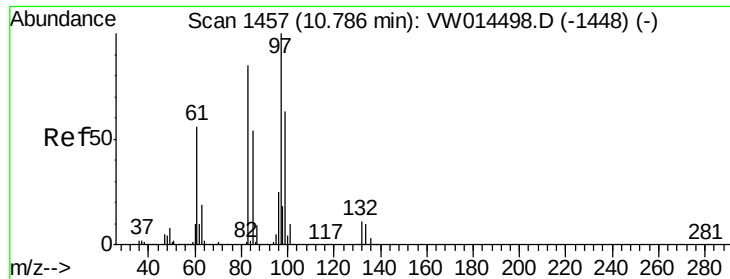
100000

50000

0

Time--> 10.00 10.10 10.20

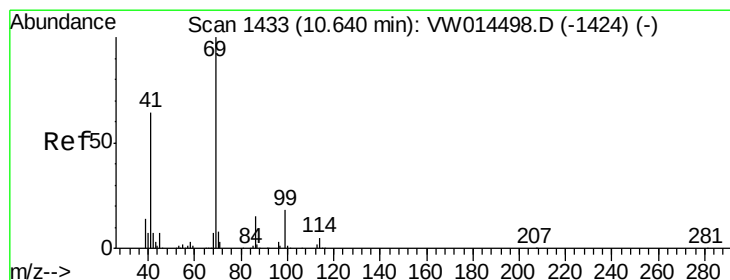
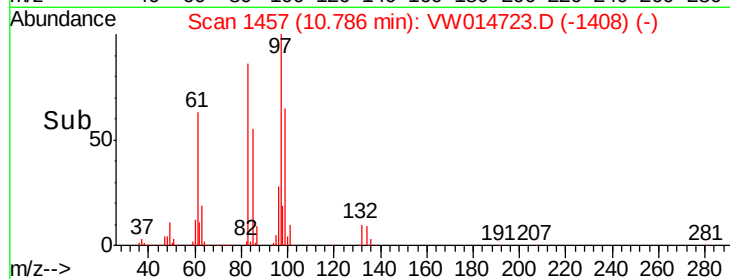
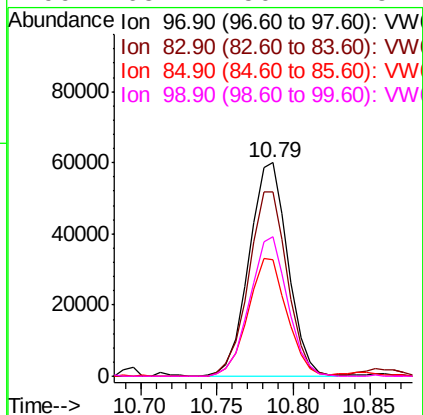
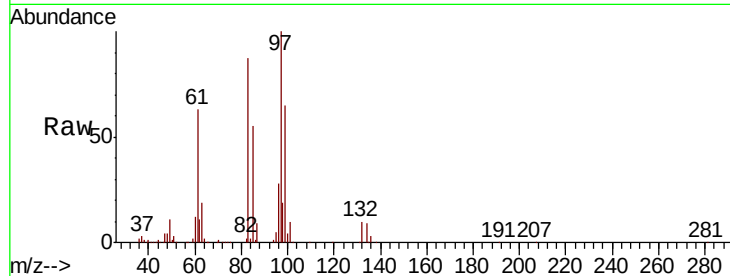




#55
 1,1,2-Trichloroethane
 Concen: 22.186 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW014723.D
 Acq: 23 Jan 2020 14:03

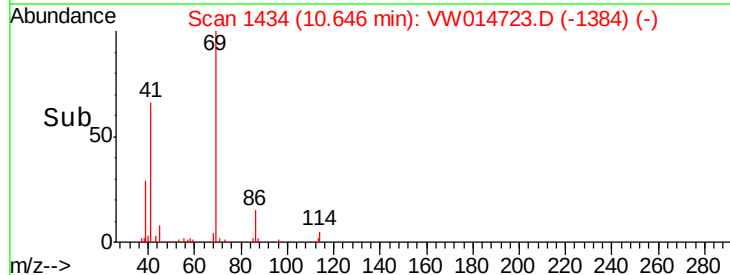
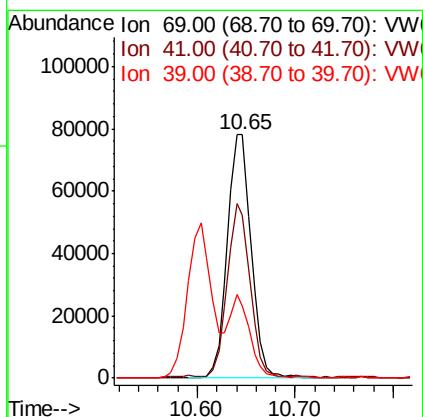
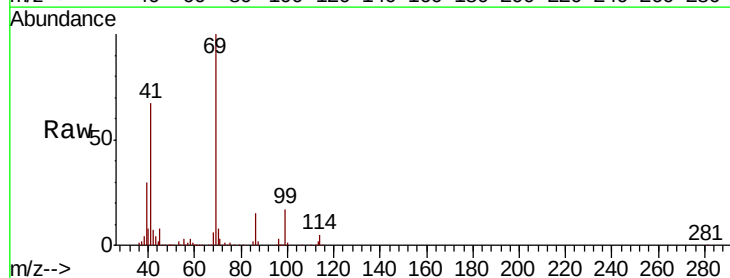
Instrument :
 MSVOA_W
 ClientSampleId :

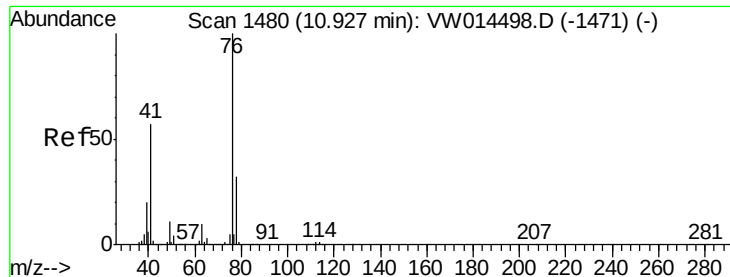
Tot Ion:	97	Resp:	106332
Ion	Ratio	Lower	Upper
97	100		
83	86.5	68.2	102.4
85	54.7	43.0	64.4
99	65.2	50.1	75.1



#56
 Ethyl methacrylate
 Concen: 21.263 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VW014723.D
 Acq: 23 Jan 2020 14:03

Tgt Ion:	69	Resp:	132444
Ion	Ratio	Lower	Upper
69	100		
41	67.2	51.3	76.9
39	27.3	21.0	31.6

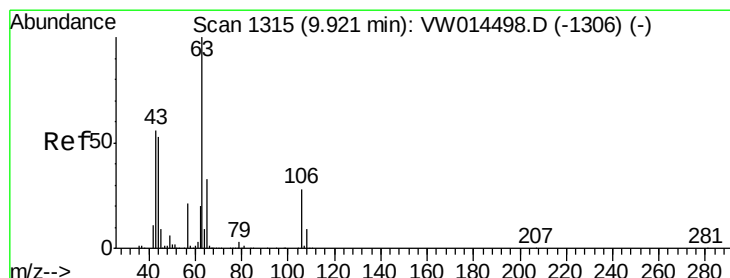
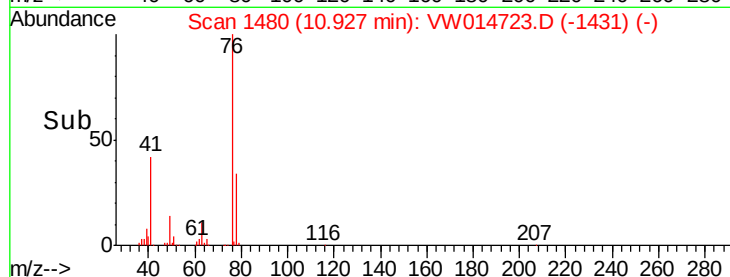
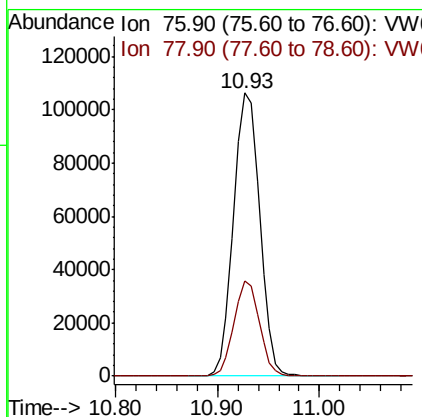
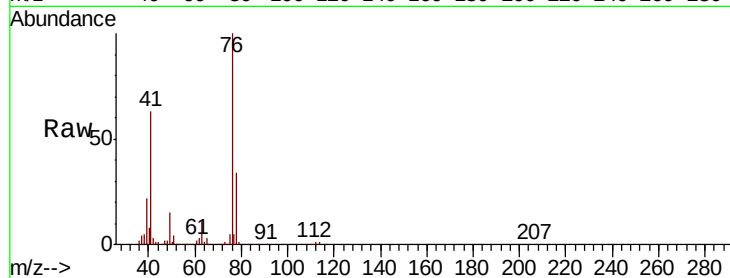




#57
 1,3-Dichloropropane
 Concen: 22.441 ug/l
 RT: 10.93 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VW014723.D
 Acq: 23 Jan 2020 14:03

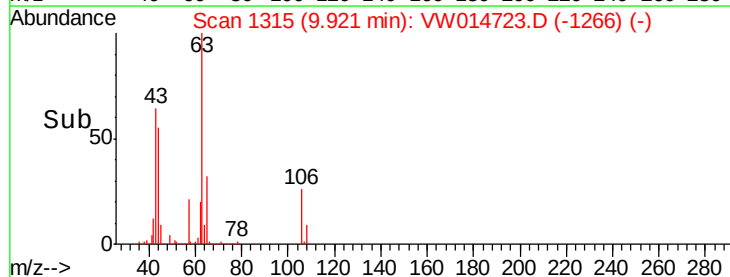
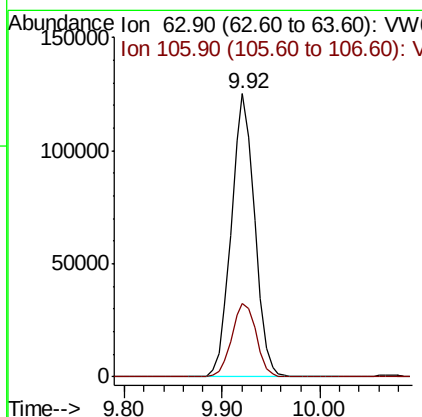
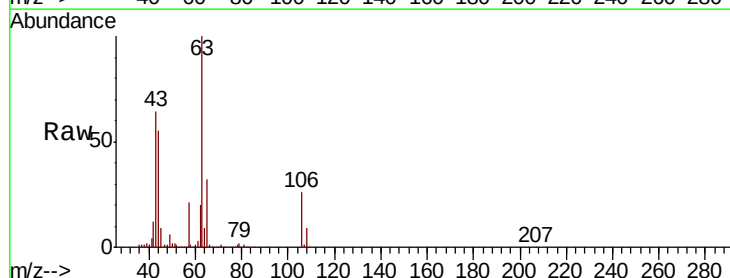
Instrument :
 MSVOA_W
 ClientSampled :

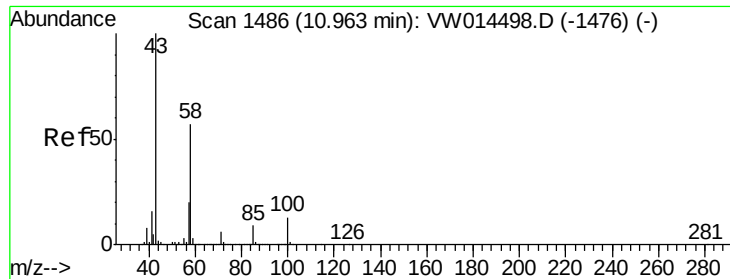
Tot Ion: 76 Resp: 189036
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 109.884 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW014723.D
 Acq: 23 Jan 2020 14:03

Tgt Ion: 63 Resp: 208161
 Ion Ratio Lower Upper
 63 100
 106 27.1 23.0 34.6

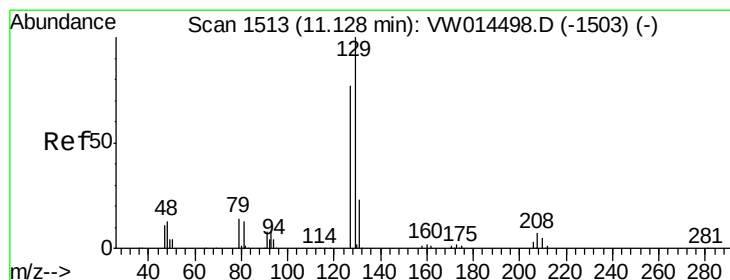
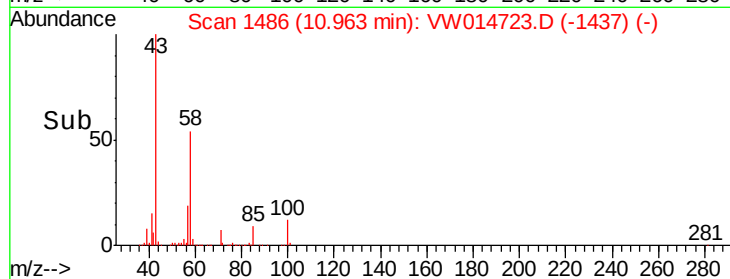
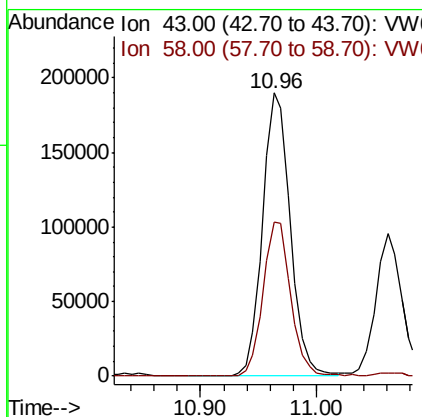
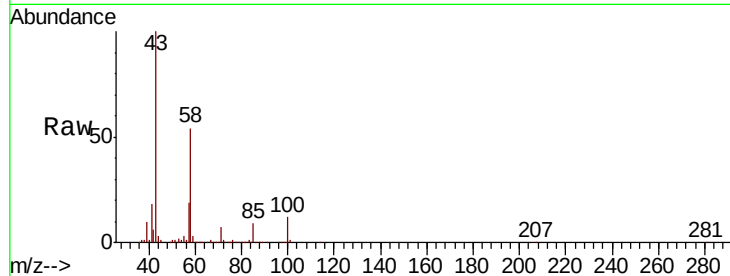




#59
2-Hexanone
Concen: 112.167 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. 0.00 min
Lab File: VW014723.D
Acq: 23 Jan 2020 14:03

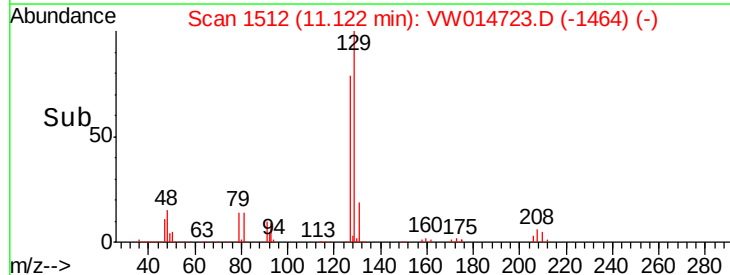
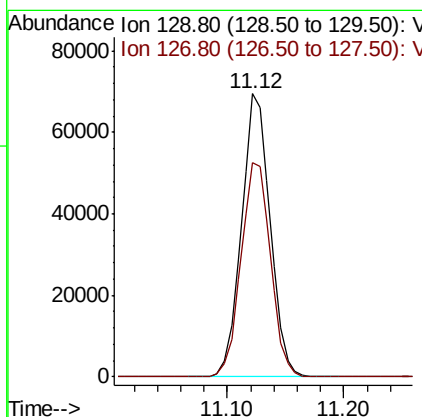
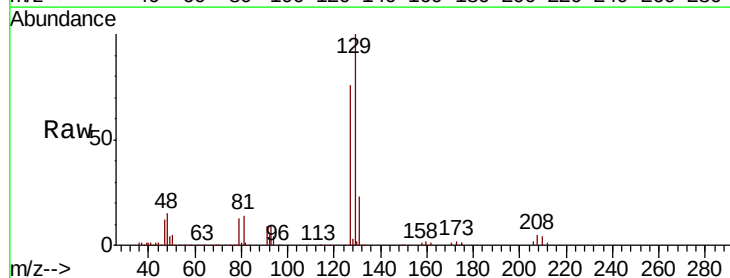
Instrument :
MSVOA_W
ClientSampleId :

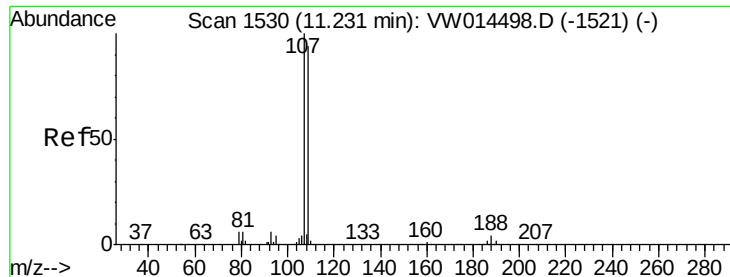
Tot Ion: 43 Resp: 316500
Ion Ratio Lower Upper
43 100
58 54.4 28.7 86.3



#60
Dibromochloromethane
Concen: 22.017 ug/l
RT: 11.12 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VW014723.D
Acq: 23 Jan 2020 14:03

Tgt Ion: 129 Resp: 119061
Ion Ratio Lower Upper
129 100
127 78.2 38.1 114.5





#61

1,2-Dibromoethane

Concen: 21.386 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW014723.D

Acq: 23 Jan 2020 14:03

Instrument :

MSVOA_W

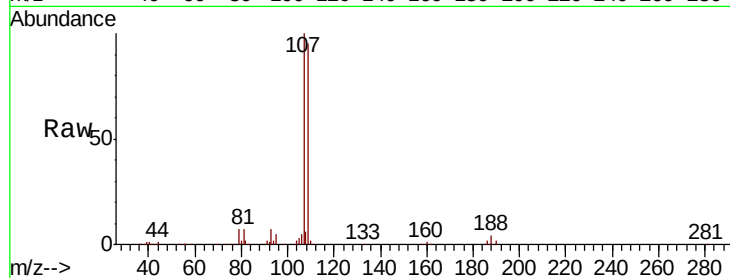
ClientSampleId :

Tot Ion: 107 Resp: 97296

Ion Ratio Lower Upper

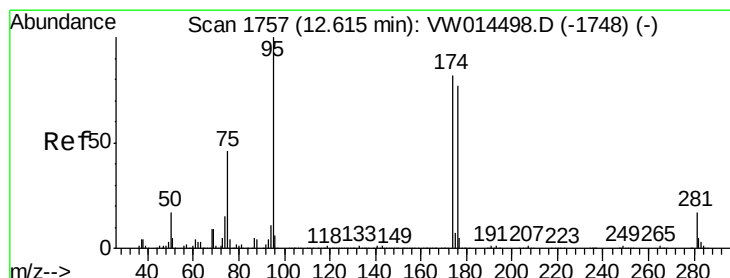
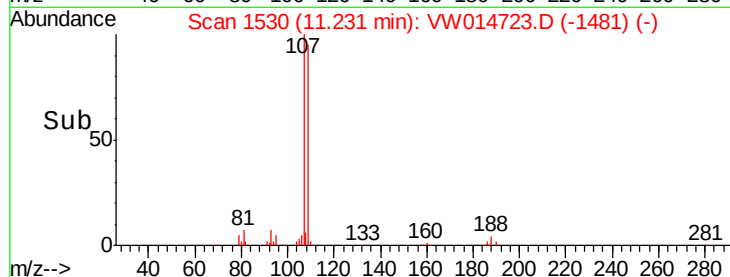
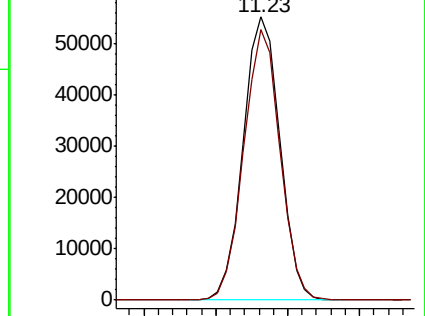
107 100

109 94.5 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: 48.171 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW014723.D

Acq: 23 Jan 2020 14:03

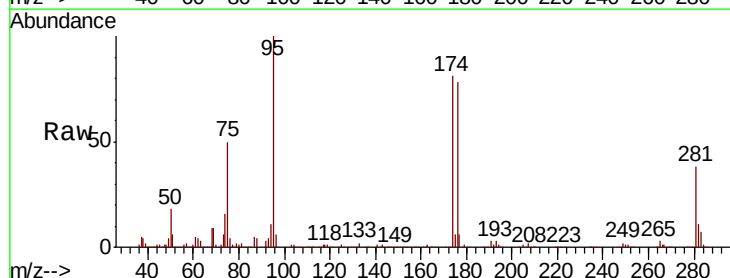
Tgt Ion: 95 Resp: 387033

Ion Ratio Lower Upper

95 100

174 82.4 0.0 168.6

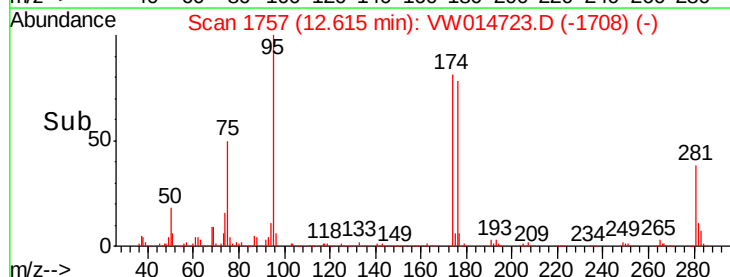
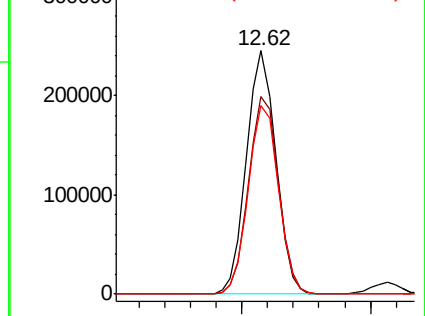
176 79.3 0.0 162.0

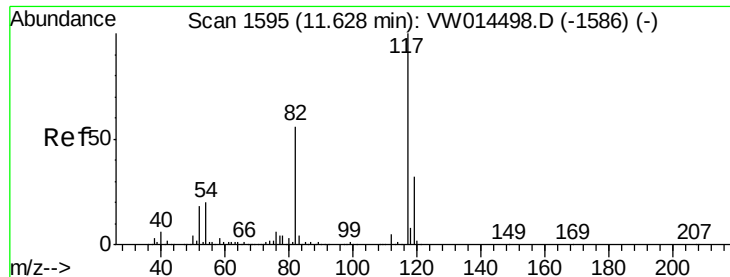


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

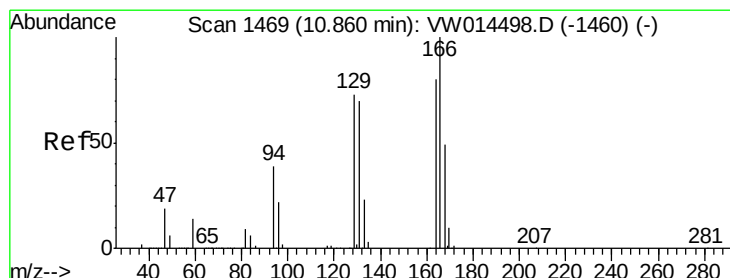
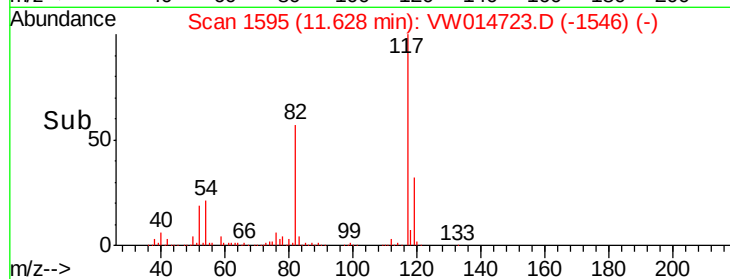
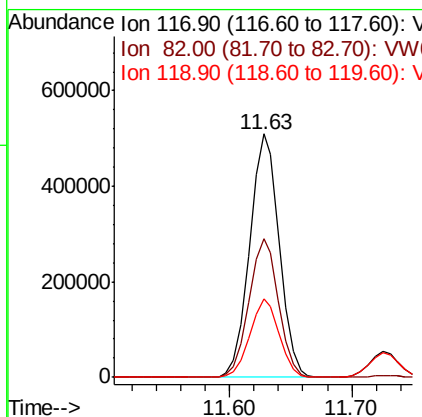
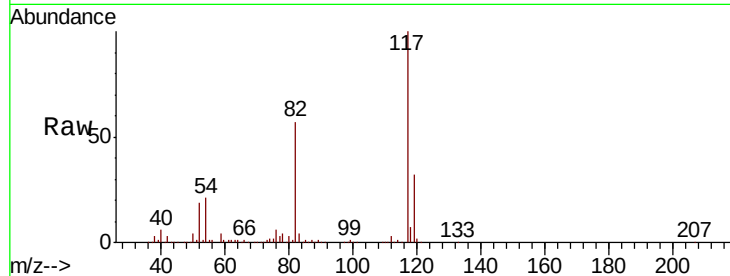




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW014723.D
Acq: 23 Jan 2020 14:03

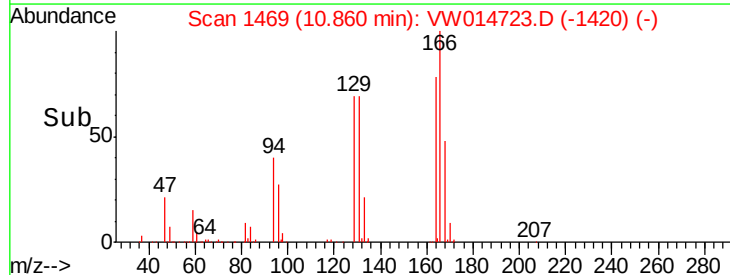
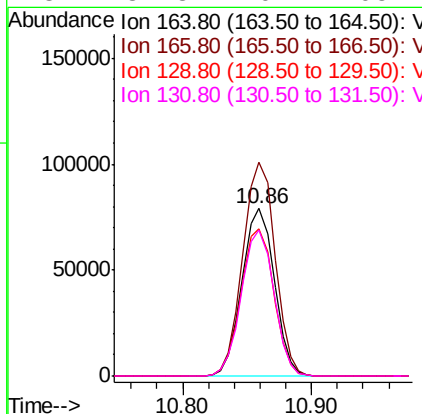
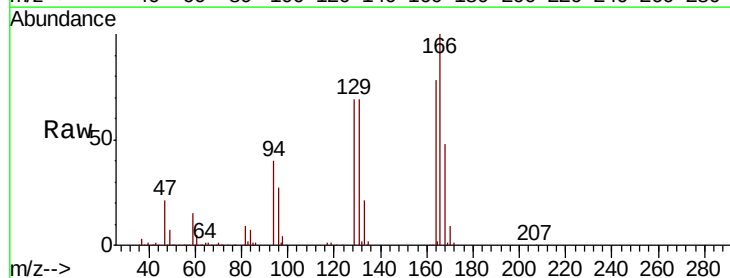
Instrument :
MSVOA_W
ClientSampleId :

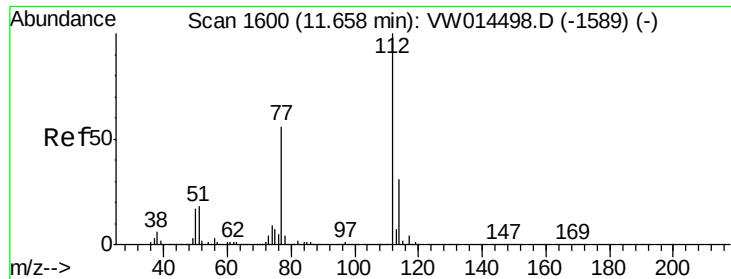
Tot Ion	Ratio	Lower	Upper
117	100		
82	57.0	44.6	67.0
119	32.3	25.7	38.5



#64
Tetrachloroethene
Concen: 22.213 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW014723.D
Acq: 23 Jan 2020 14:03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.4	99.8	149.6
129	87.4	72.4	108.6
131	87.3	70.1	105.1

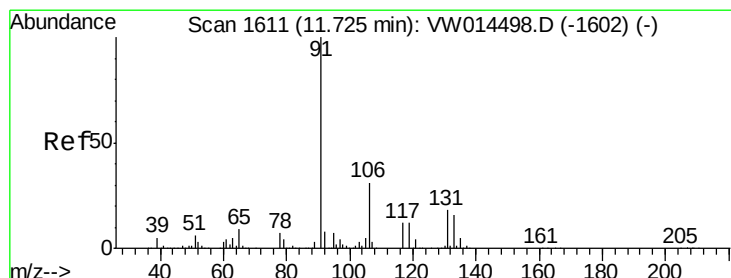
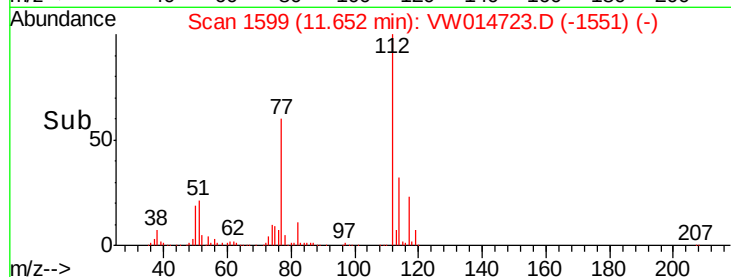
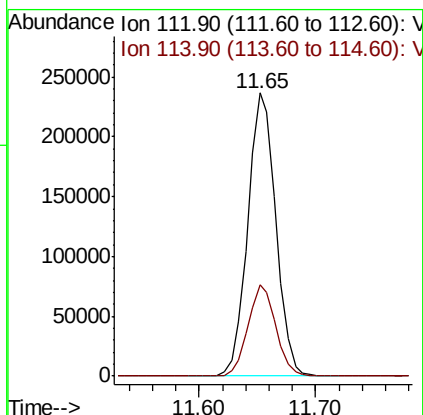
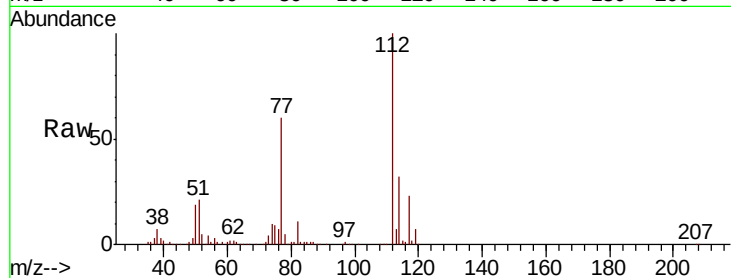




#65
Chlorobenzene
Concen: 22.566 ug/l
RT: 11.65 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VW014723.D
Acq: 23 Jan 2020 14:03

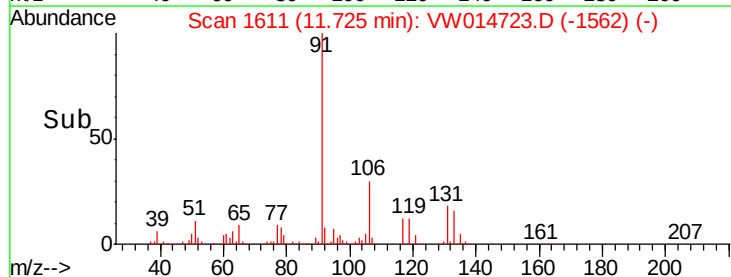
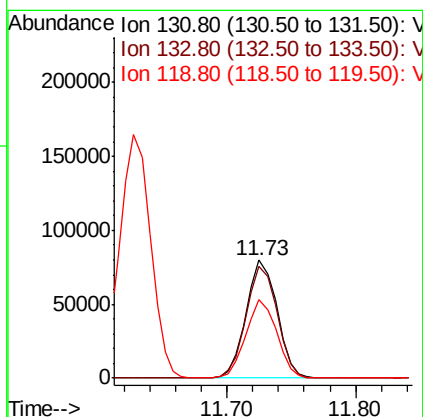
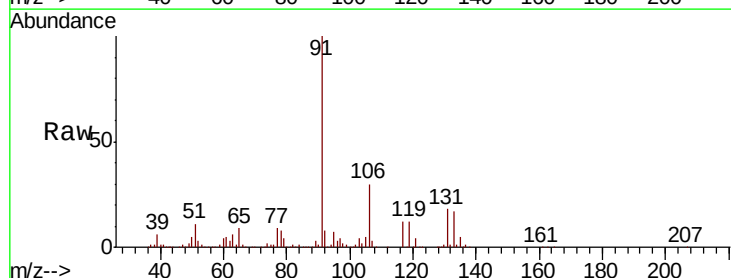
Instrument :
MSVOA_W
ClientSampled :

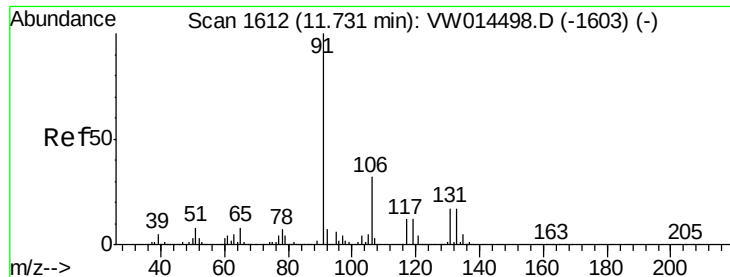
Tot Ion:112 Resp: 395914
Ion Ratio Lower Upper
112 100
114 32.4 24.6 37.0



#66
1,1,1,2-Tetrachloroethane
Concen: 22.461 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VW014723.D
Acq: 23 Jan 2020 14:03

Tgt Ion:131 Resp: 132681
Ion Ratio Lower Upper
131 100
133 95.8 47.3 142.0
119 66.2 33.1 99.3

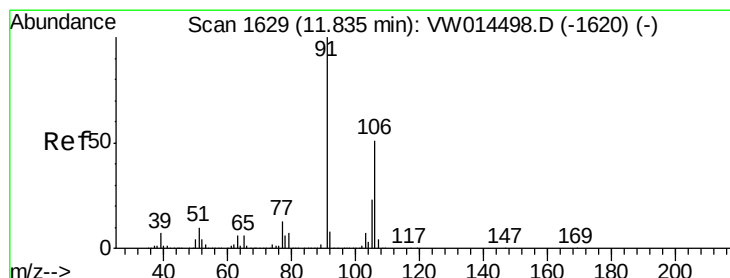
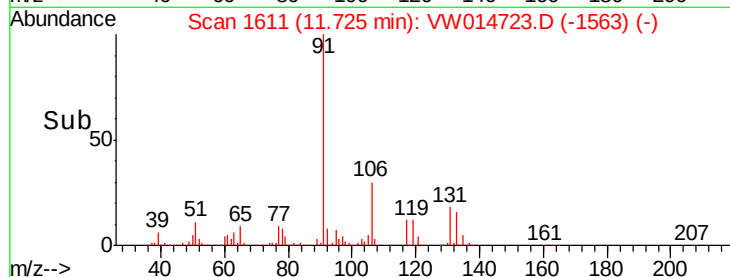
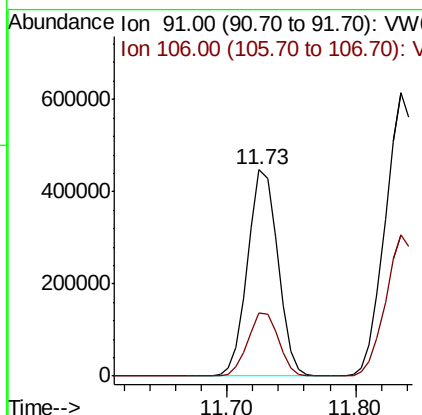
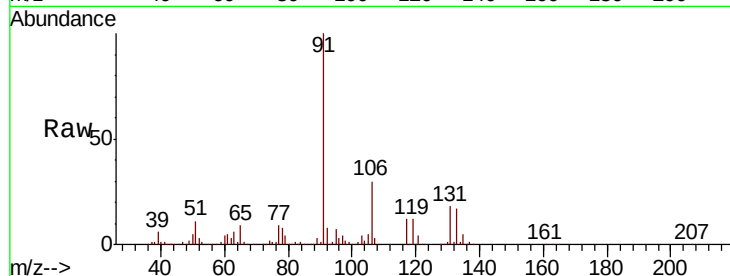




#67
Ethyl Benzene
Concen: 22.976 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW014723.D
Acq: 23 Jan 2020 14:03

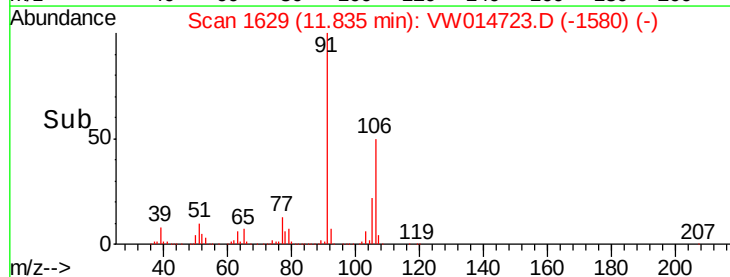
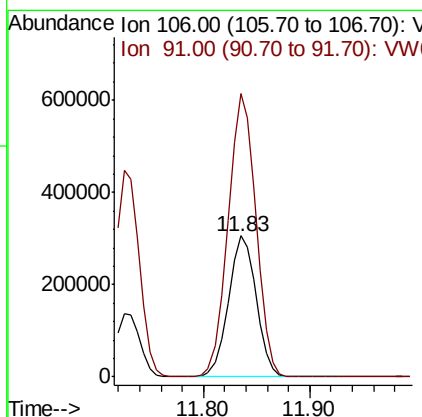
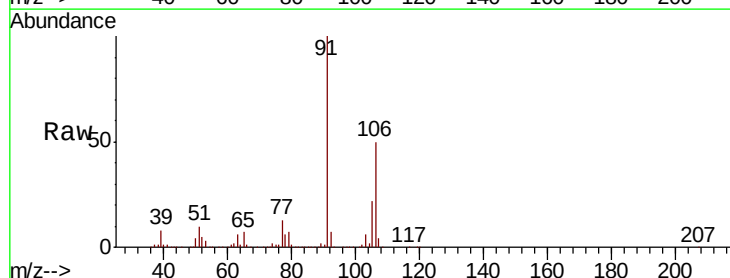
Instrument :
MSVOA_W
ClientSampleId :

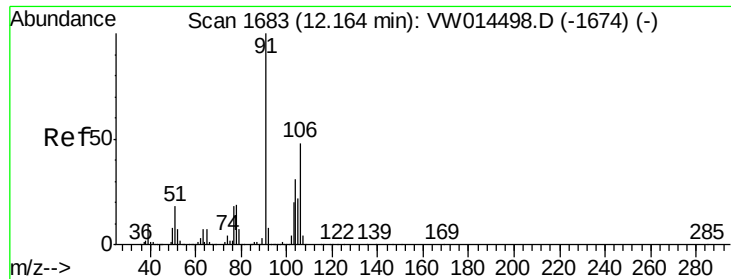
Tot Ion: 91 Resp: 726468
Ion Ratio Lower Upper
91 100
106 30.4 25.5 38.3



#68
m/p-Xylenes
Concen: 46.205 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW014723.D
Acq: 23 Jan 2020 14:03

Tgt Ion:106 Resp: 559131
Ion Ratio Lower Upper
106 100
91 201.5 159.0 238.6

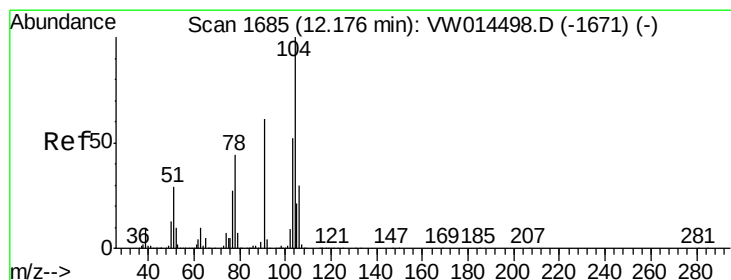
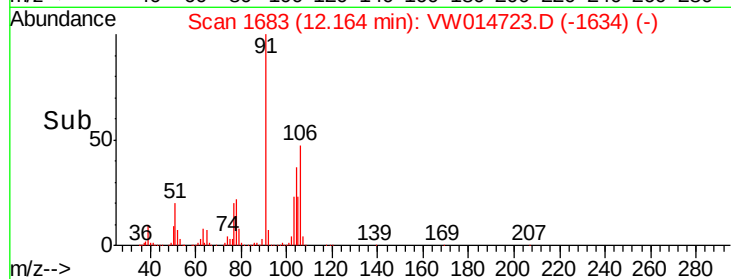
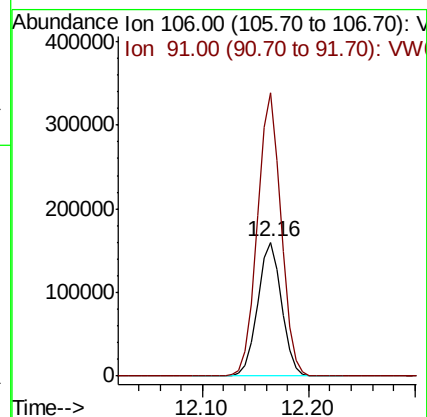
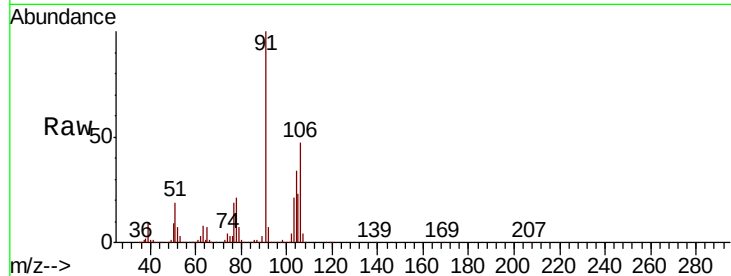




#69
o-Xylene
Concen: 22.626 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW014723.D
Acq: 23 Jan 2020 14:03

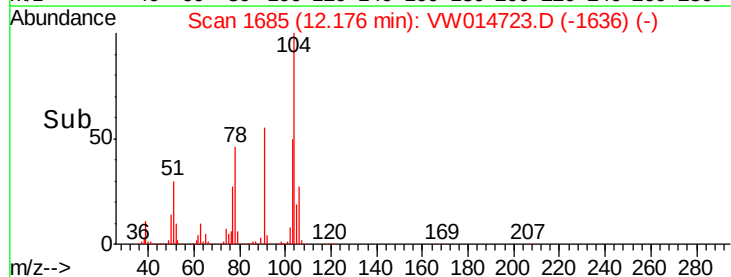
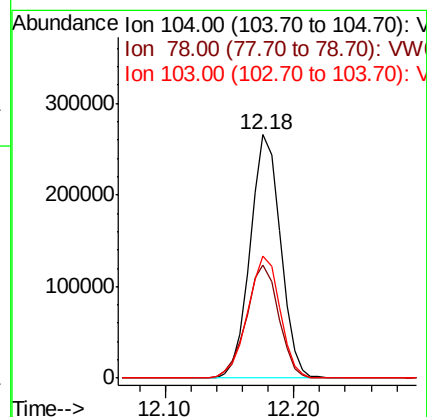
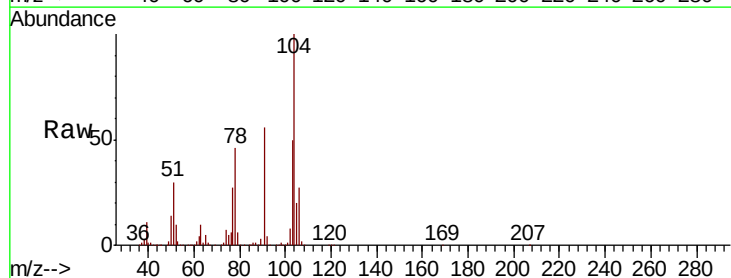
Instrument :
MSVOA_W
ClientSampleId :

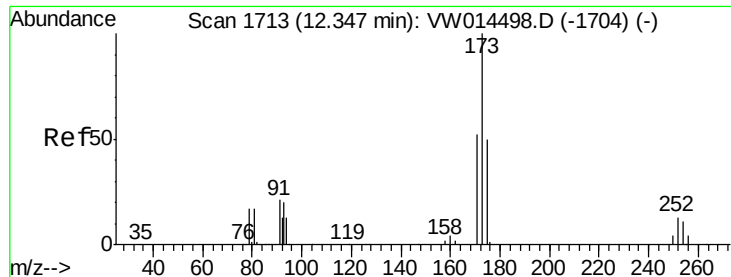
Tot Ion:106 Resp: 252914
Ion Ratio Lower Upper
106 100
91 209.2 105.2 315.6



#70
Styrene
Concen: 22.816 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VW014723.D
Acq: 23 Jan 2020 14:03

Tgt Ion:104 Resp: 431373
Ion Ratio Lower Upper
104 100
78 50.0 38.4 57.6
103 53.8 43.7 65.5





#71

Bromoform

Concen: 20.708 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW014723.D

Acq: 23 Jan 2020 14:03

Instrument :

MSVOA_W

ClientSampleId :

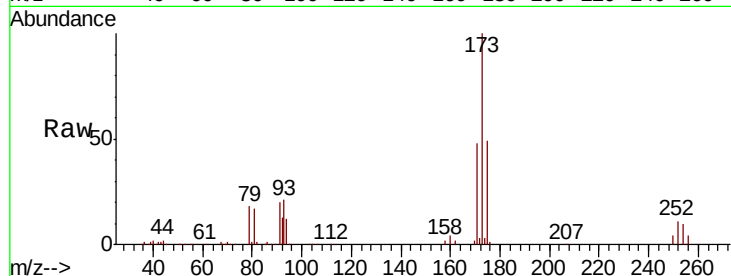
Tot Ion:173 Resp: 66724

Ion Ratio Lower Upper

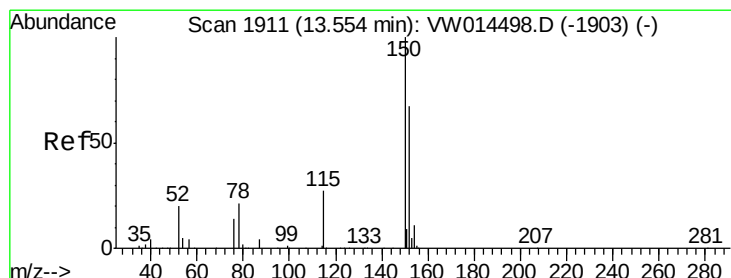
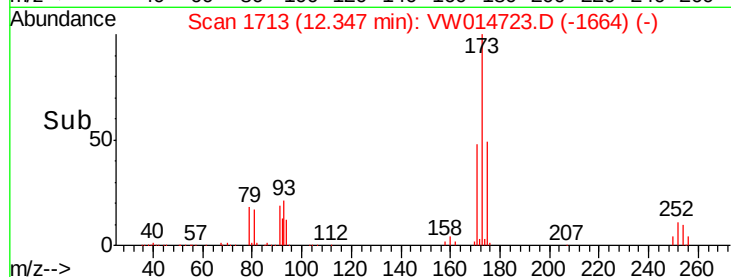
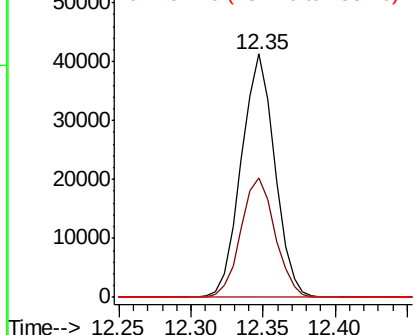
173 100

175 49.9 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: VW014723.D

Acq: 23 Jan 2020 14:03

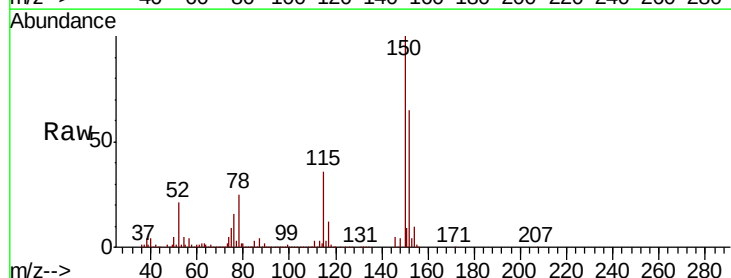
Tgt Ion:152 Resp: 424972

Ion Ratio Lower Upper

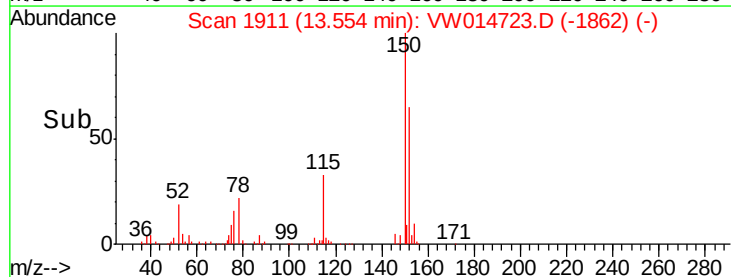
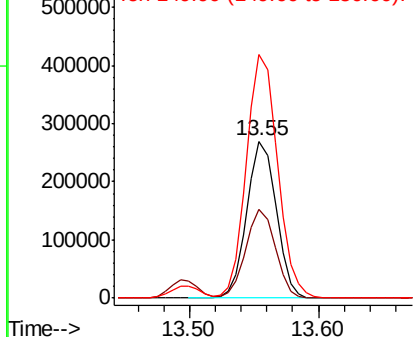
152 100

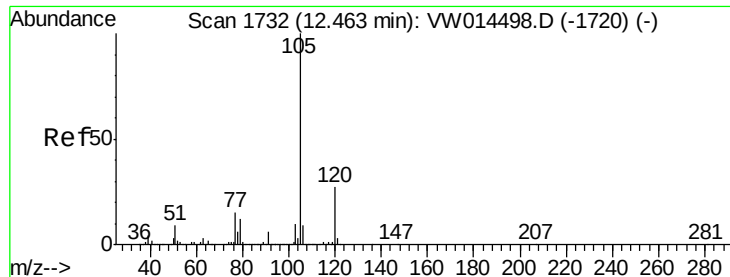
115 56.5 27.7 83.1

150 164.5 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: 22.563 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW014723.D

Acq: 23 Jan 2020 14:03

Instrument :

MSVOA_W

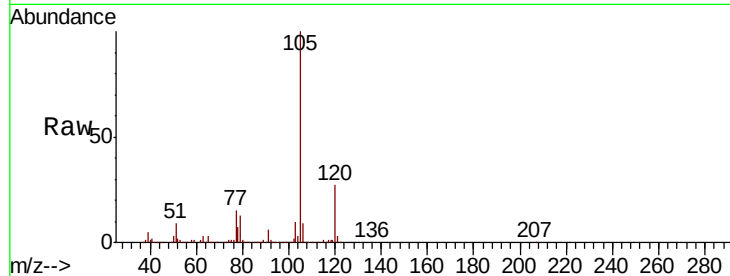
ClientSampled :

Tot Ion:105 Resp: 703579

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

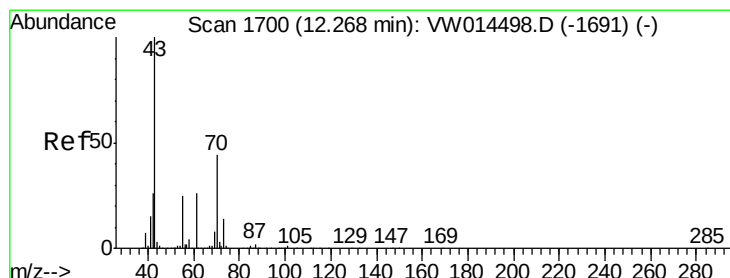
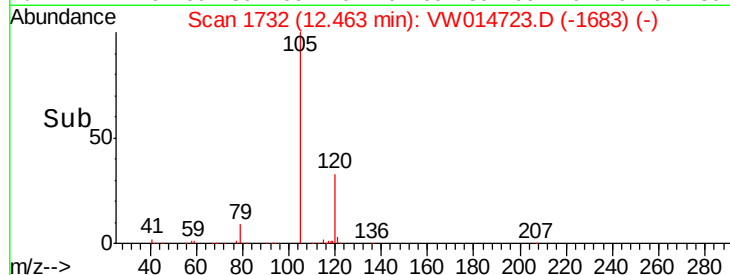
200000

100000

0

Time-->

12.40 12.50 12.60



#74

N-ethyl acetate

Concen: 21.612 ug/l

RT: 12.27 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VW014723.D

Acq: 23 Jan 2020 14:03

Tgt Ion: 43 Resp: 151103

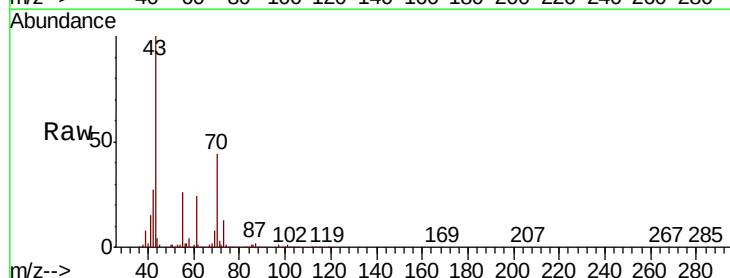
Ion Ratio Lower Upper

43 100

70 44.8 36.5 54.7

55 26.5 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

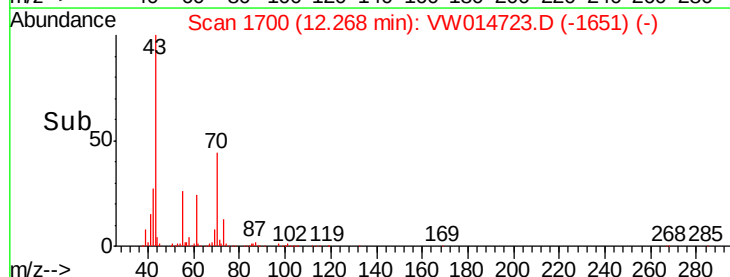
100000

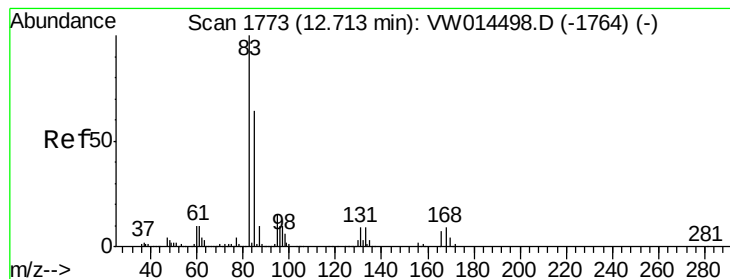
50000

0

Time-->

12.20 12.30





#75

1,1,2,2-Tetrachloroethane

Concen: 21.489 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW014723.D

Acq: 23 Jan 2020 14:03

Instrument :

MSVOA_W

ClientSampleId :

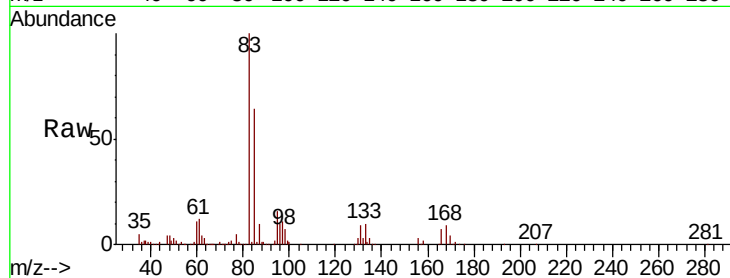
Tot Ion: 83 Resp: 120944

Ion Ratio Lower Upper

83 100

131 10.1 5.1 15.4

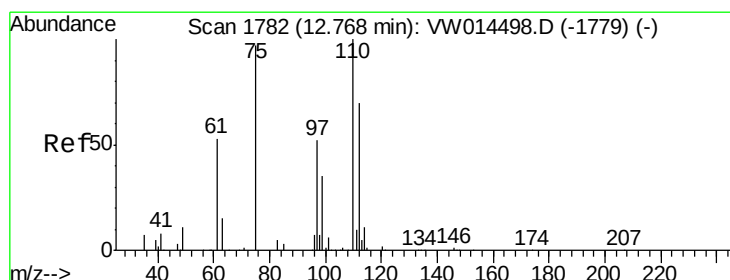
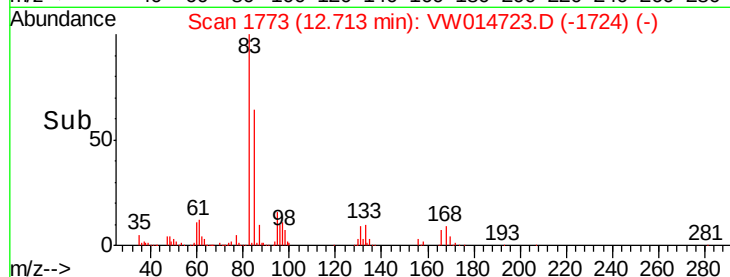
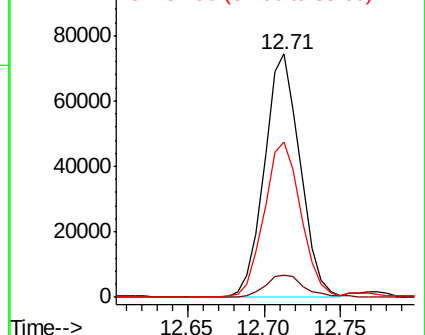
85 65.8 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 38.871 ug/l

RT: 12.76 min Scan# 1781

Delta R.T. -0.01 min

Lab File: VW014723.D

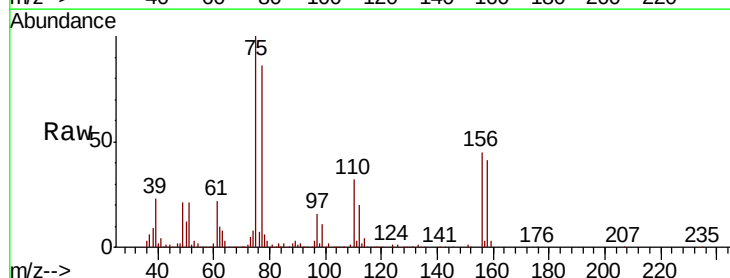
Acq: 23 Jan 2020 14:03

Tgt Ion: 75 Resp: 156186

Ion Ratio Lower Upper

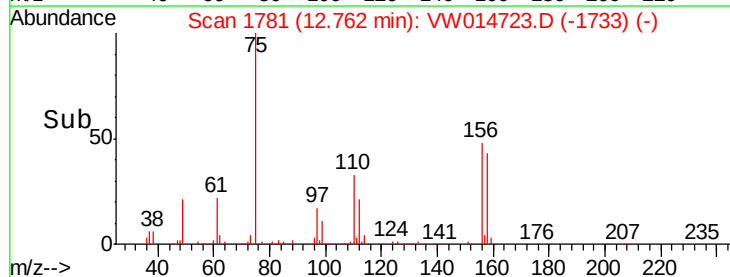
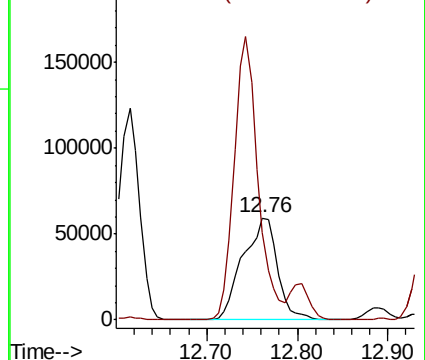
75 100

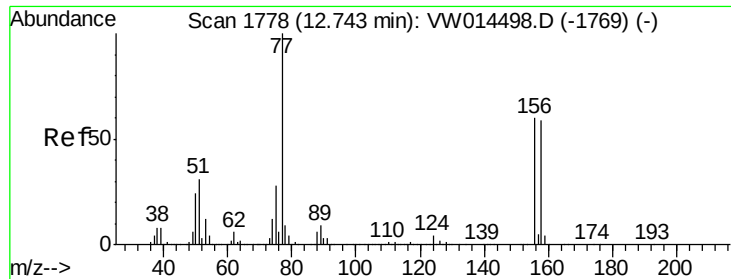
77 193.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 21.963 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW014723.D

Acq: 23 Jan 2020 14:03

Instrument :

MSVOA_W

ClientSampled :

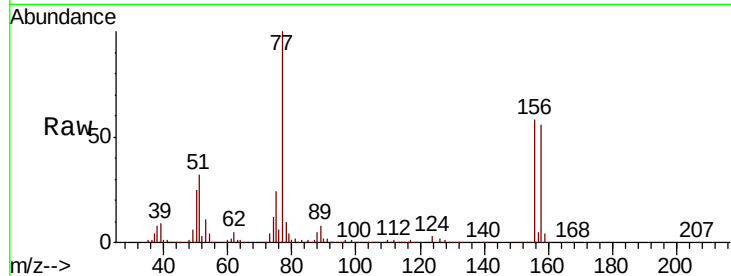
Tot Ion:156 Resp: 159065

Ion Ratio Lower Upper

156 100

77 190.1 92.3 277.1

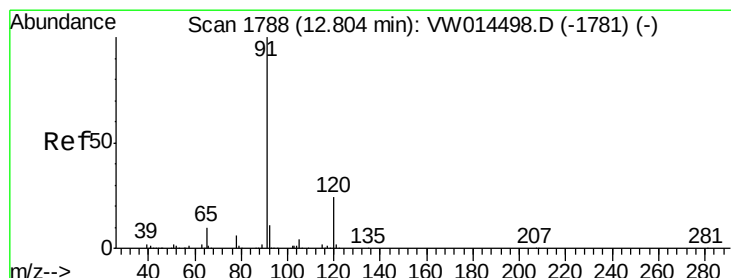
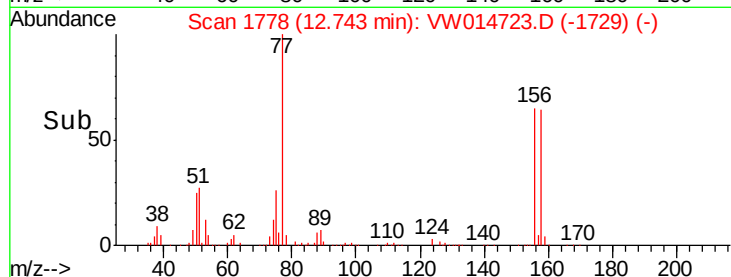
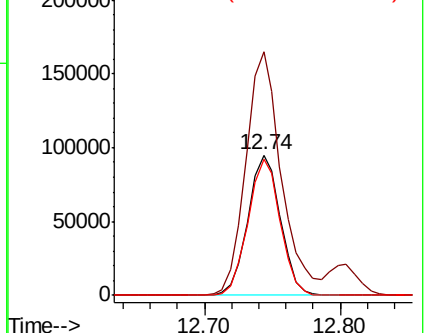
158 96.2 48.6 145.9



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: 23.062 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW014723.D

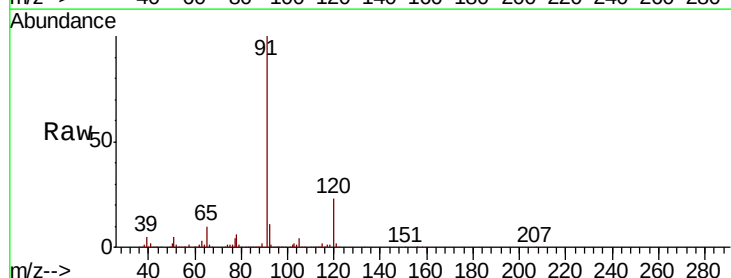
Acq: 23 Jan 2020 14:03

Tgt Ion: 91 Resp: 845610

Ion Ratio Lower Upper

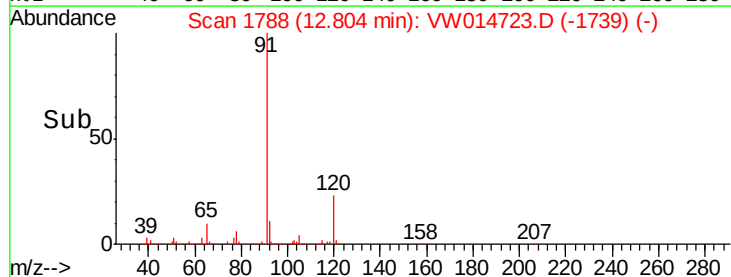
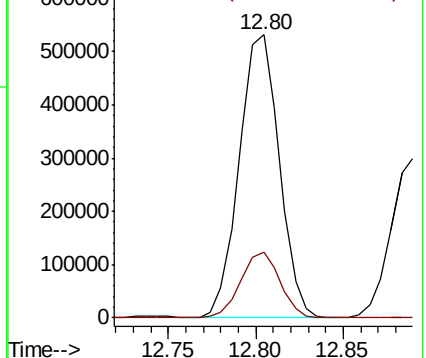
91 100

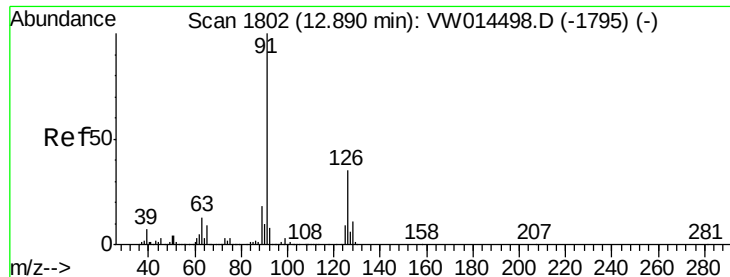
120 22.9 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

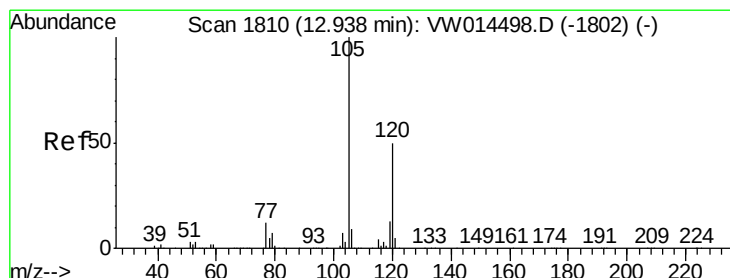
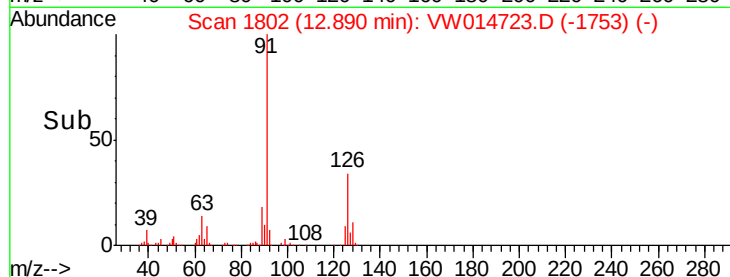
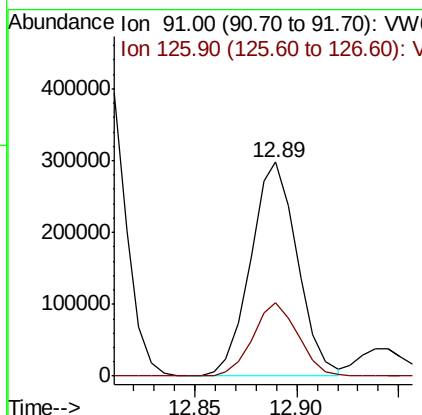
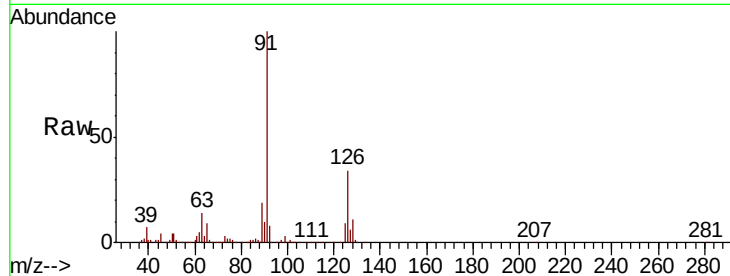




#79
 2-Chlorotoluene
 Concen: 22.695 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VW014723.D
 Acq: 23 Jan 2020 14:03

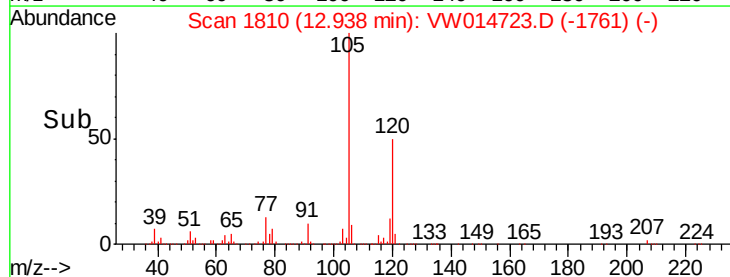
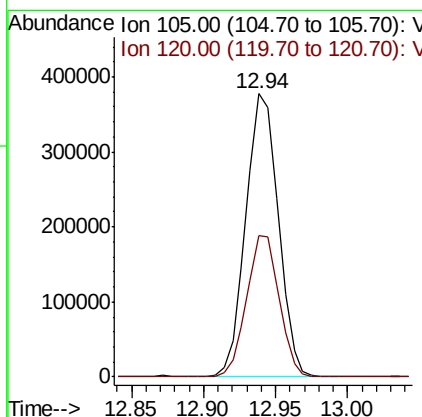
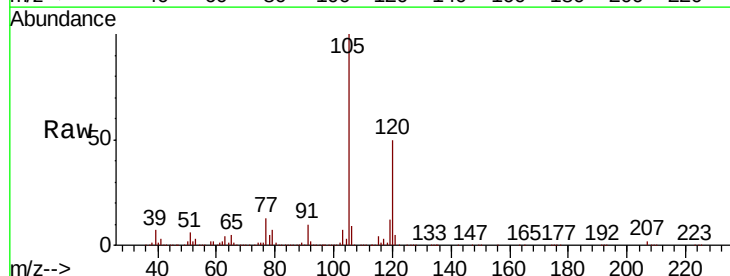
Instrument :
 MSVOA_W
 ClientSampleId :

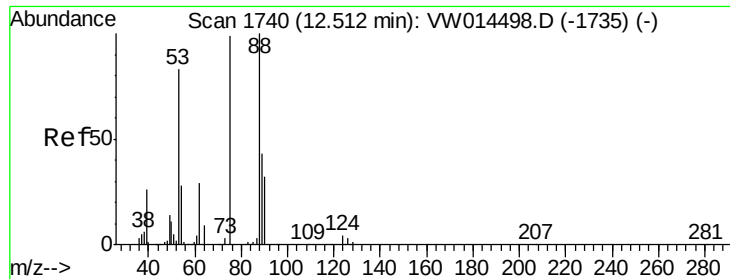
Tot Ion: 91 Resp: 473566
 Ion Ratio Lower Upper
 91 100
 126 33.3 17.1 51.2



#80
 1,3,5-Trimethylbenzene
 Concen: 22.449 ug/l
 RT: 12.94 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VW014723.D
 Acq: 23 Jan 2020 14:03

Tgt Ion: 105 Resp: 587766
 Ion Ratio Lower Upper
 105 100
 120 49.8 25.2 75.6





#81

trans-1,4-Dichloro-2-butene

Concen: 20.987 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW014723.D

Acq: 23 Jan 2020 14:03

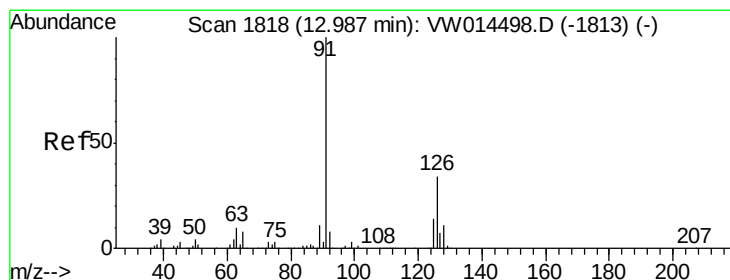
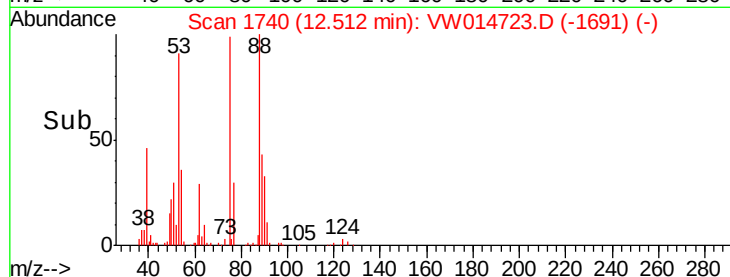
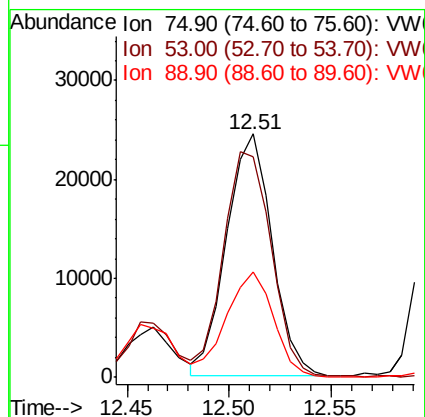
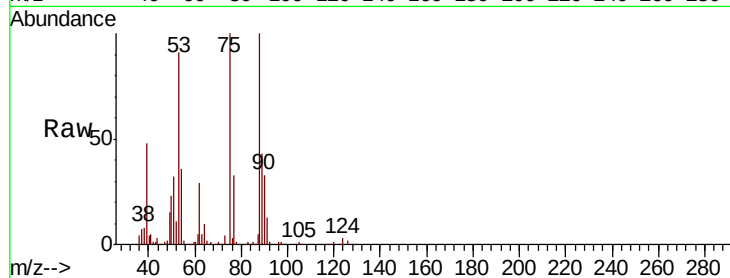
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 75 Resp: 37848

Ion	Ratio	Lower	Upper
75	100		
53	98.1	70.9	106.3
89	45.5	35.8	53.8



#82

4-Chlorotoluene

Concen: 23.260 ug/l

RT: 12.99 min Scan# 1818

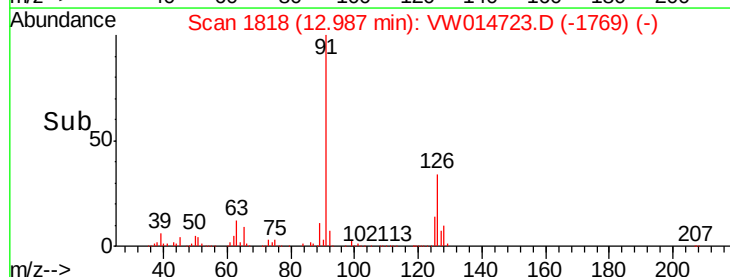
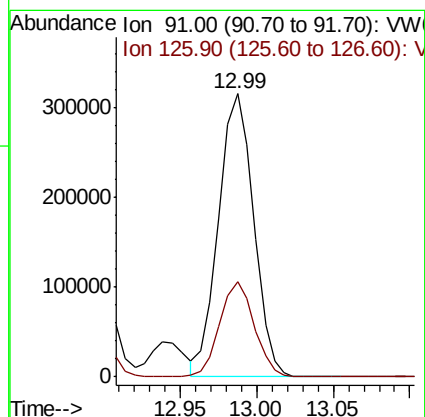
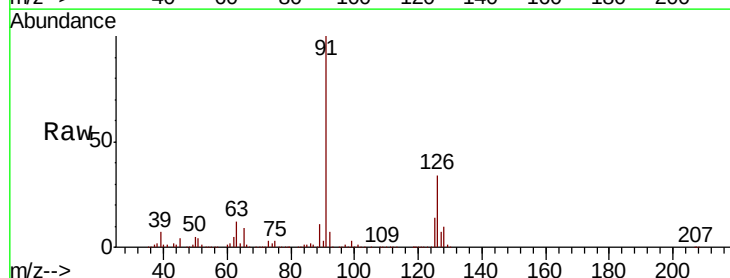
Delta R.T. 0.00 min

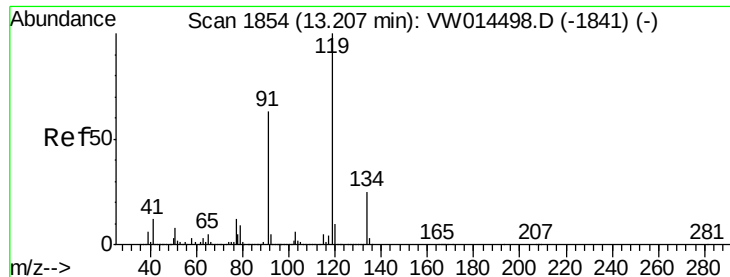
Lab File: VW014723.D

Acq: 23 Jan 2020 14:03

Tgt Ion: 91 Resp: 504256

Ion	Ratio	Lower	Upper
91	100		
126	33.0	17.1	51.2

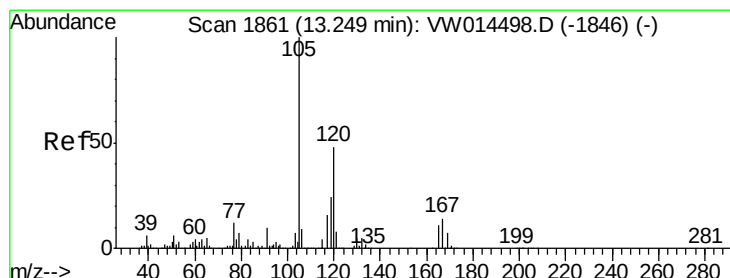
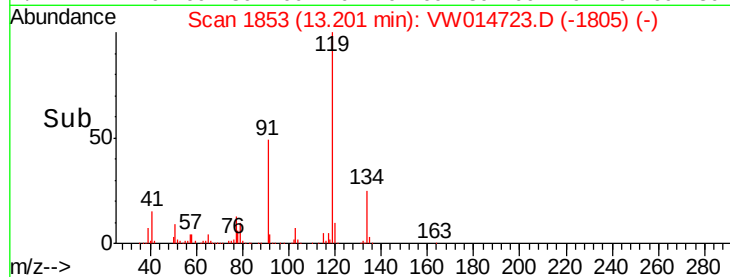
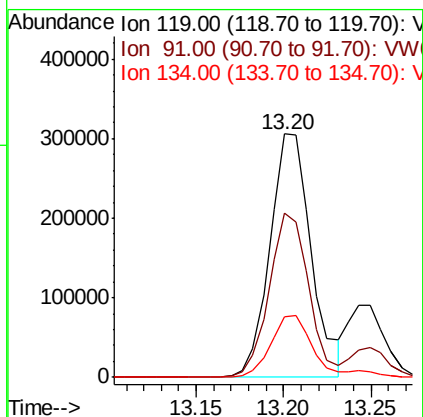
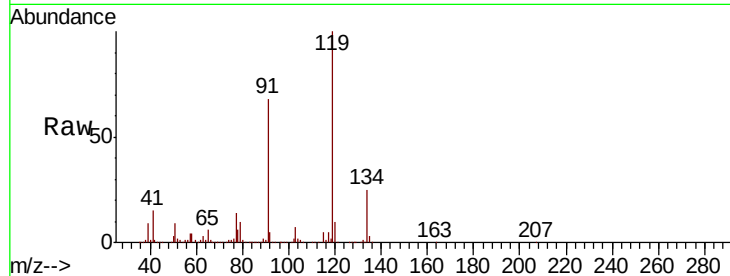




#83
 tert-Butylbenzene
 Concen: 22.066 ug/l
 RT: 13.20 min Scan# 1853
 Delta R.T. -0.01 min
 Lab File: VW014723.D
 Acq: 23 Jan 2020 14:03

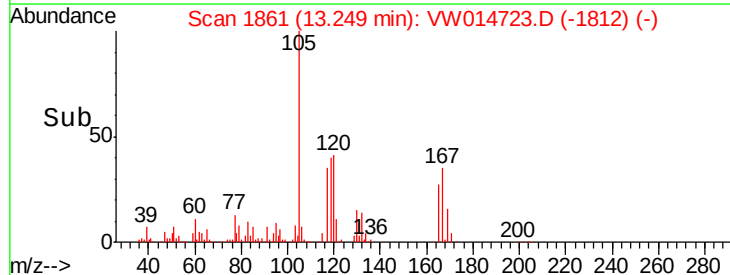
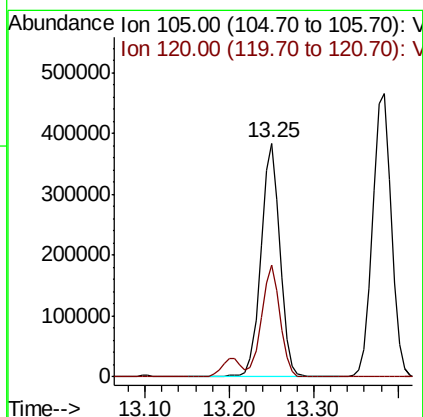
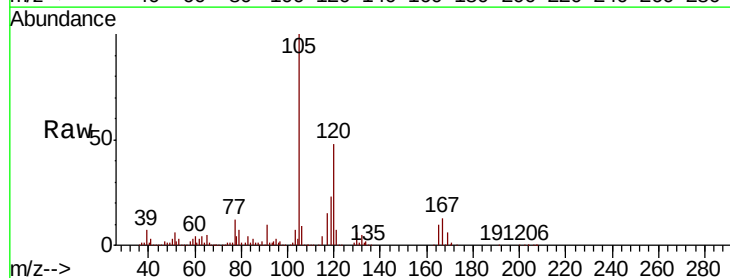
Instrument :
 MSVOA_W
 ClientSampleId :

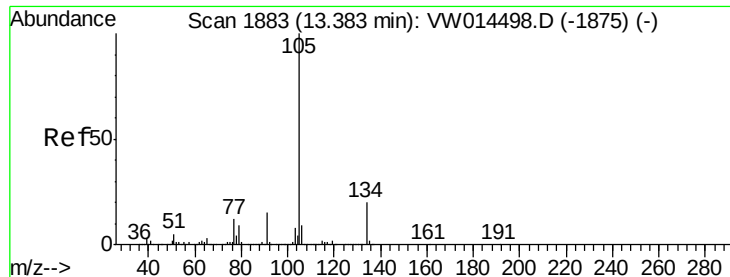
Tot Ion:119 Resp: 505825
 Ion Ratio Lower Upper
 119 100
 91 64.5 31.1 93.3
 134 26.7 13.5 40.5



#84
 1,2,4-Trimethylbenzene
 Concen: 22.779 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW014723.D
 Acq: 23 Jan 2020 14:03

Tgt Ion:105 Resp: 593495
 Ion Ratio Lower Upper
 105 100
 120 46.4 23.4 70.0

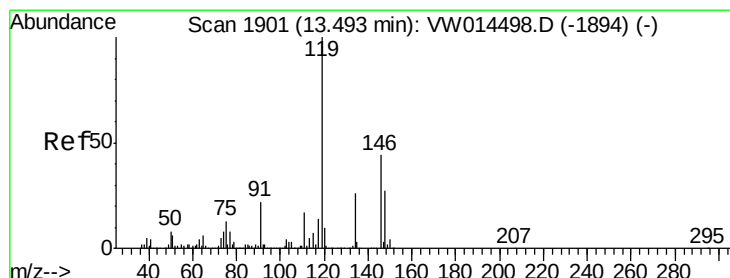
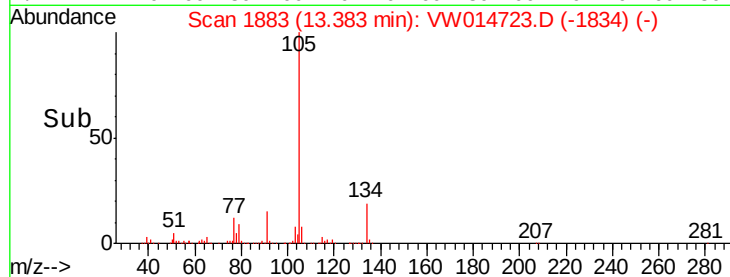
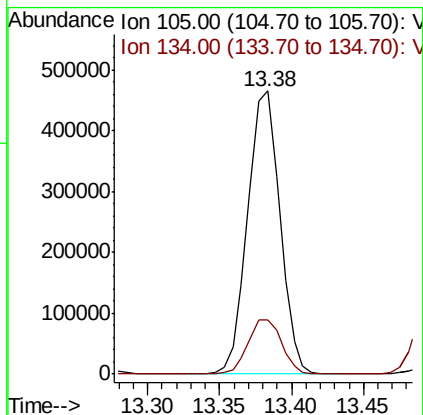
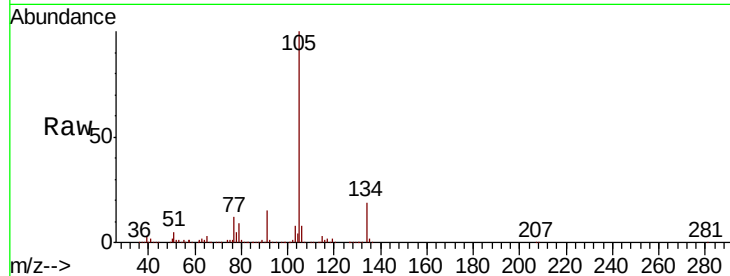




#85
 sec-Butylbenzene
 Concen: 22.756 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW014723.D
 Acq: 23 Jan 2020 14:03

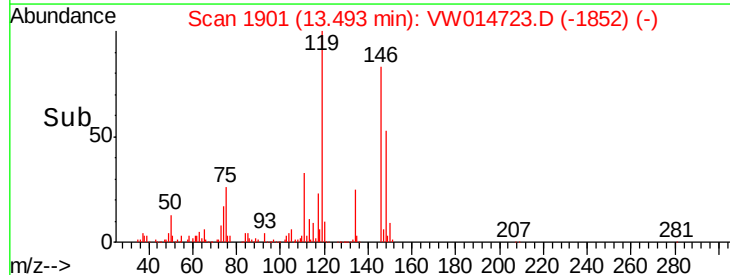
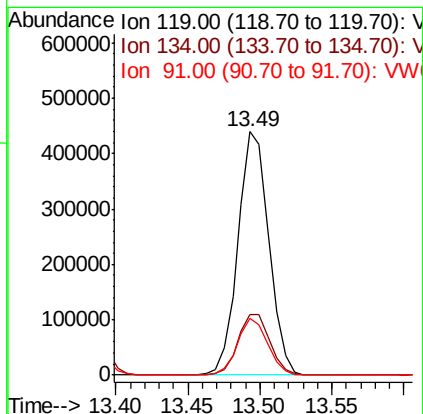
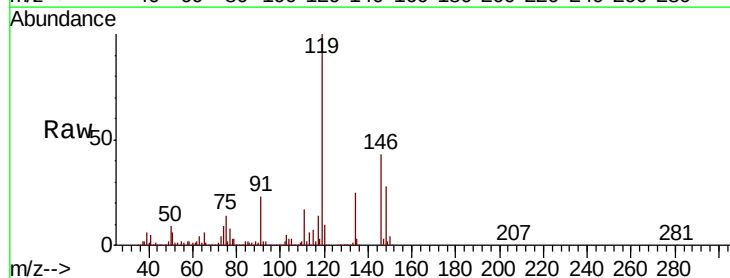
Instrument :
 MSVOA_W
 ClientSampled :

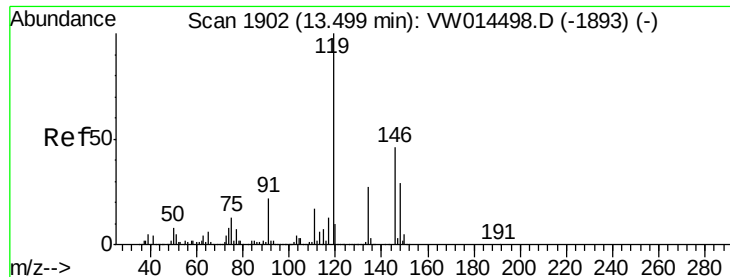
Tot Ion:105 Resp: 722043
 Ion Ratio Lower Upper
 105 100
 134 20.0 10.2 30.6



#86
 p-Isopropyltoluene
 Concen: 22.547 ug/l
 RT: 13.49 min Scan# 1901
 Delta R.T. 0.00 min
 Lab File: VW014723.D
 Acq: 23 Jan 2020 14:03

Tgt Ion:119 Resp: 652082
 Ion Ratio Lower Upper
 119 100
 134 25.8 13.2 39.5
 91 23.0 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 22.069 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. -0.01 min

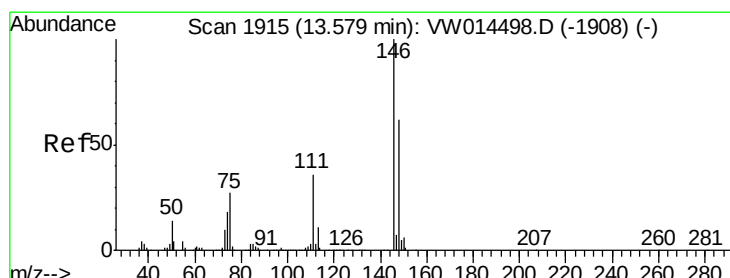
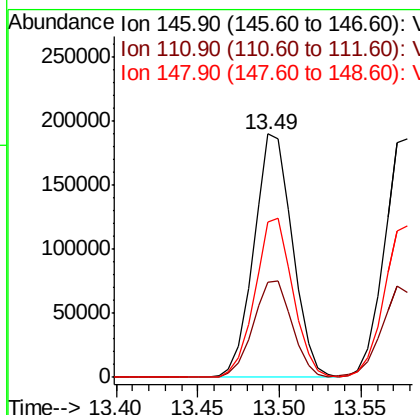
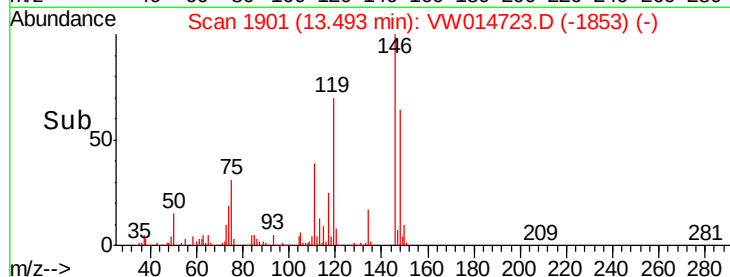
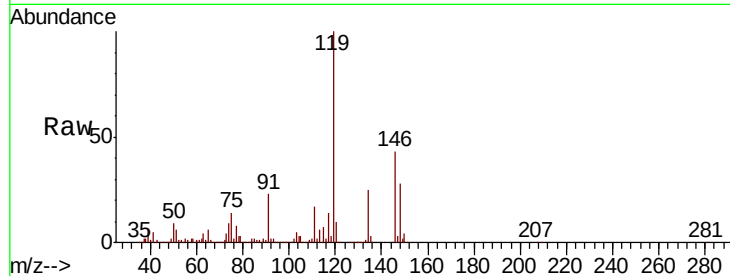
Lab File: VW014723.D

Acq: 23 Jan 2020 14:03

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:146 Resp: 310809

Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.3	57.9
148	64.2	31.8	95.4



#88

1,4-Dichlorobenzene

Concen: 21.980 ug/l

RT: 13.58 min Scan# 1915

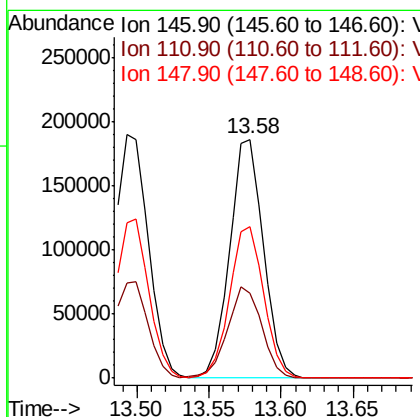
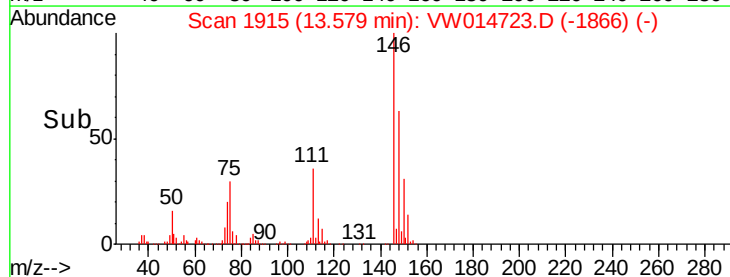
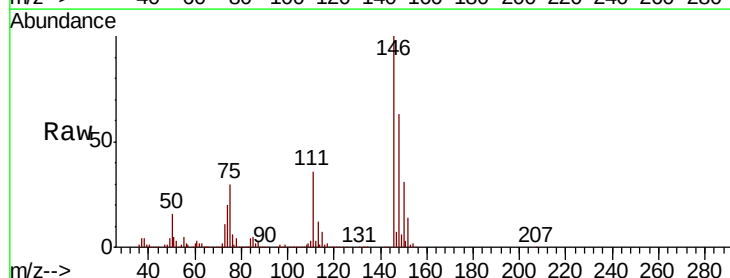
Delta R.T. 0.00 min

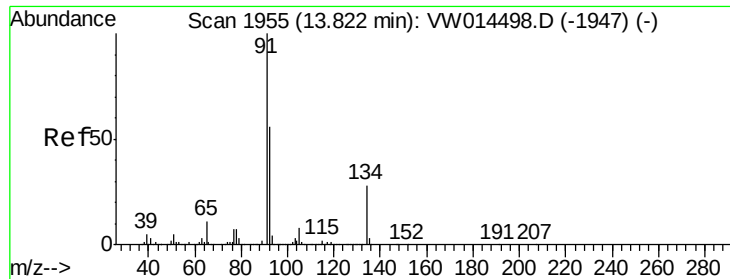
Lab File: VW014723.D

Acq: 23 Jan 2020 14:03

Tgt Ion:146 Resp: 305603

Ion	Ratio	Lower	Upper
146	100		
111	38.9	18.7	56.1
148	64.1	31.7	95.1





#89

n-Butylbenzene

Concen: 23.036 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW014723.D

Acq: 23 Jan 2020 14:03

Instrument :

MSVOA_W

ClientSampled :

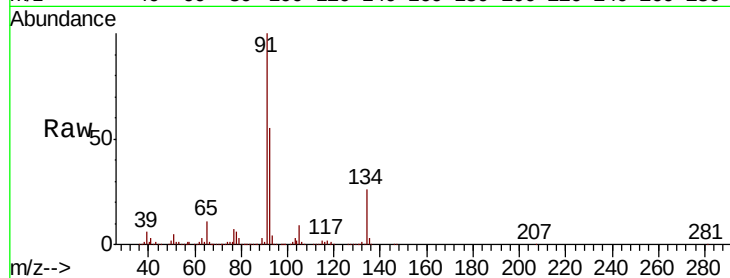
Tot Ion: 91 Resp: 618681

Ion Ratio Lower Upper

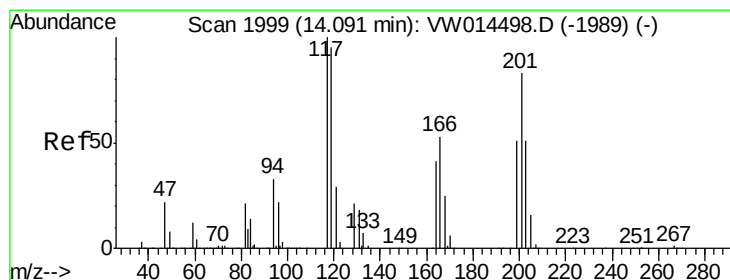
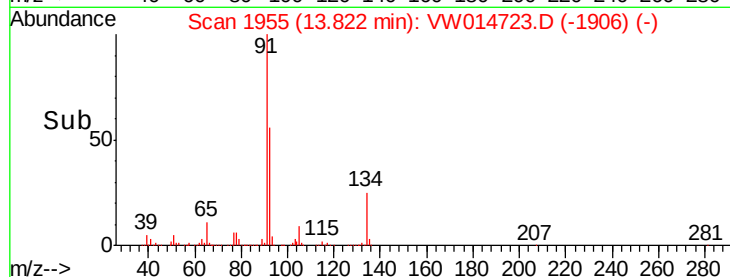
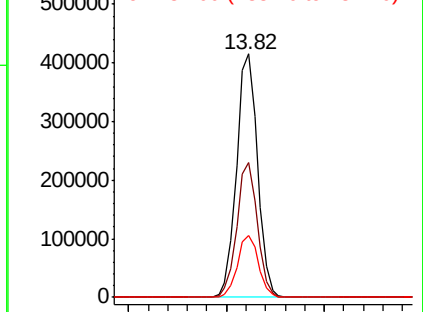
91 100

92 54.2 27.5 82.5

134 25.6 13.7 41.1



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 92.00 (91.70 to 92.70): VW
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 21.965 ug/l

RT: 14.09 min Scan# 1999

Delta R.T. 0.00 min

Lab File: VW014723.D

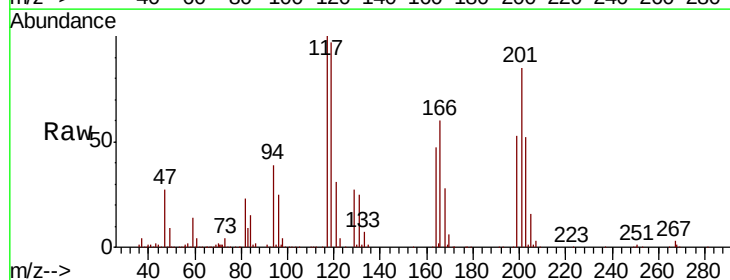
Acq: 23 Jan 2020 14:03

Tgt Ion: 117 Resp: 110975

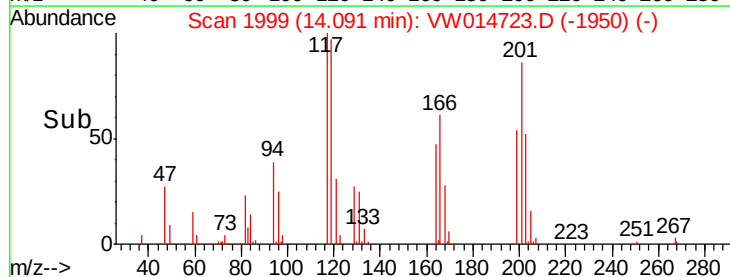
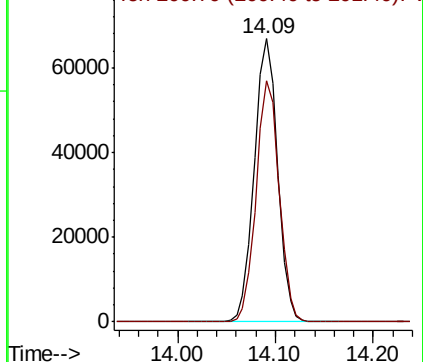
Ion Ratio Lower Upper

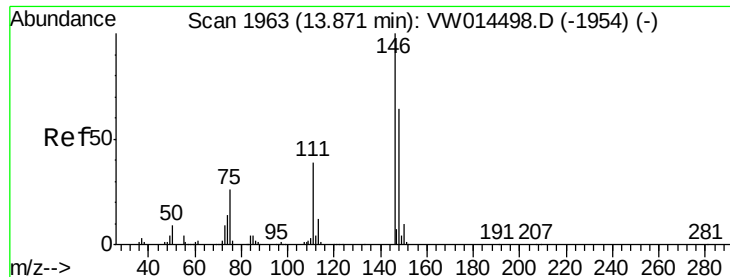
117 100

201 83.9 43.0 128.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V

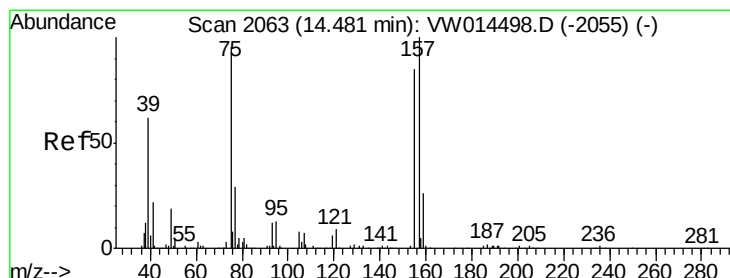
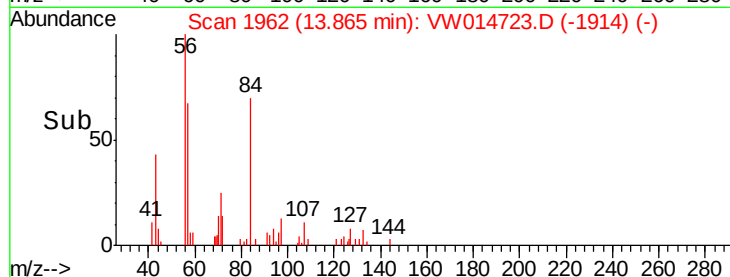
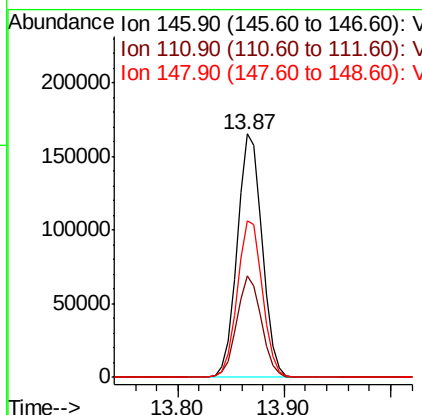
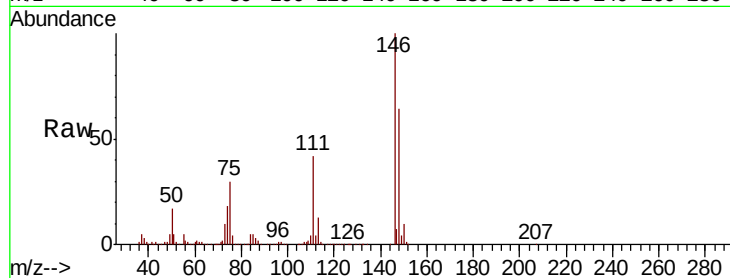




#91
 1,2-Dichlorobenzene
 Concen: 21.960 ug/l
 RT: 13.87 min Scan# 1962
 Delta R.T. -0.01 min
 Lab File: VW014723.D
 Acq: 23 Jan 2020 14:03

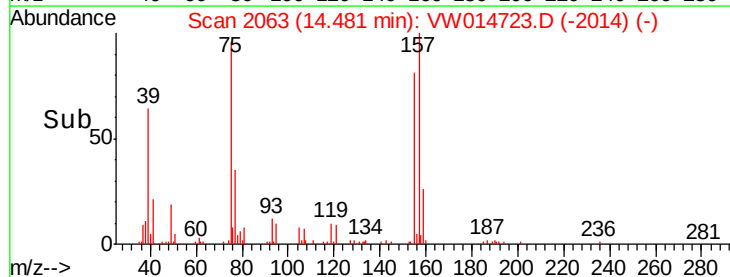
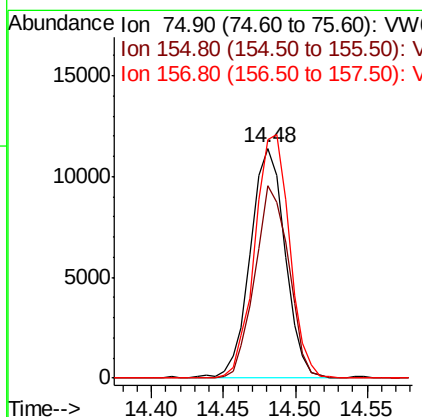
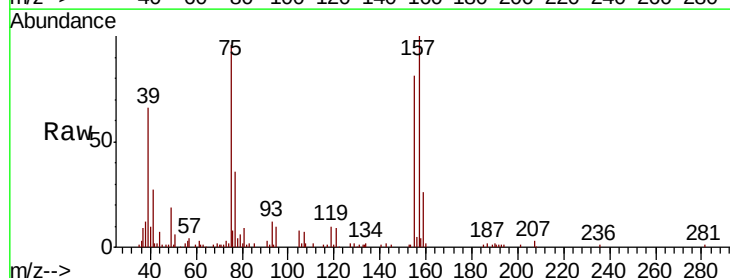
Instrument :
 MSVOA_W
 ClientSampled :

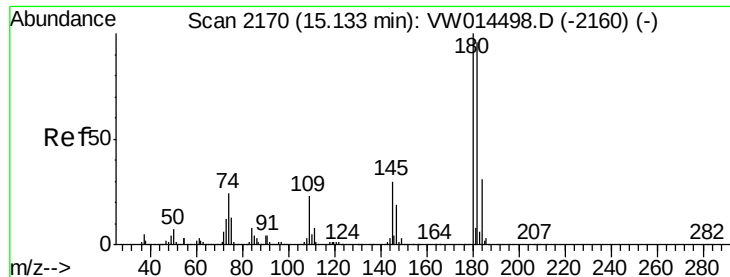
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.4	61.3
148	64.8	32.3	96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.298 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW014723.D
 Acq: 23 Jan 2020 14:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.8	45.8	137.4
157	106.0	58.1	174.2

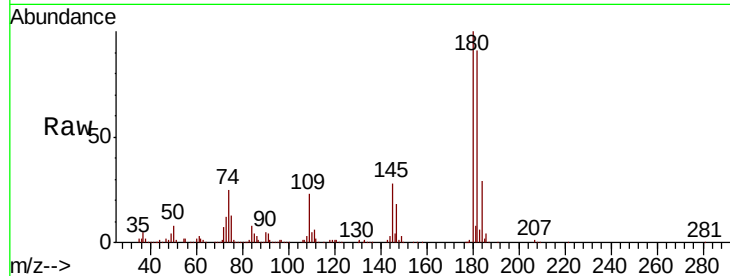




#93
 1,2,4-Trichlorobenzene
 Concen: 21.243 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW014723.D
 Acq: 23 Jan 2020 14:03

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.5	47.3	141.8
145	29.0	14.7	44.1

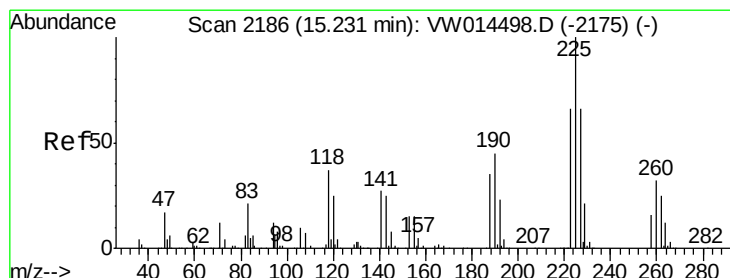
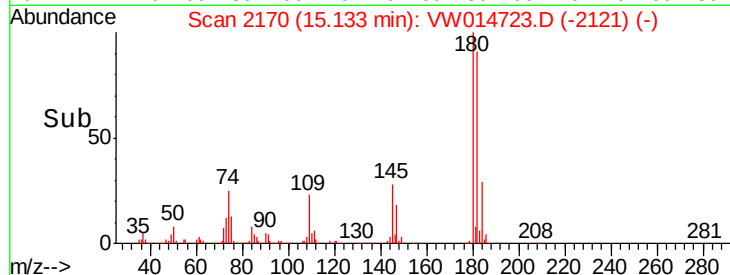
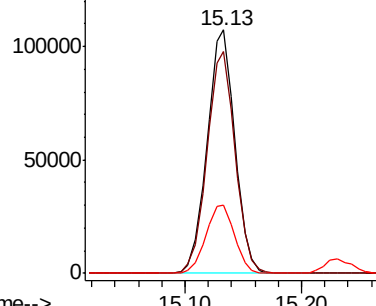


Abundance

Ion 179.80 (179.50 to 180.50): V

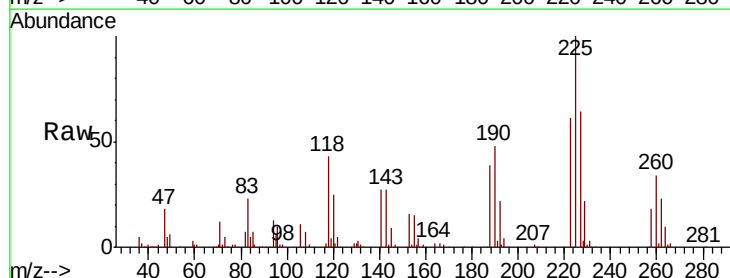
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 21.695 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. 0.00 min
 Lab File: VW014723.D
 Acq: 23 Jan 2020 14:03

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	32.4	97.2
227	62.6	32.6	97.8

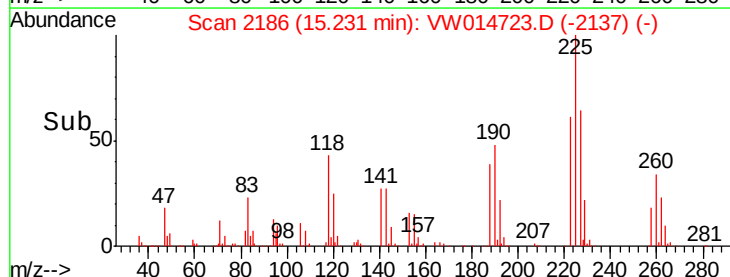
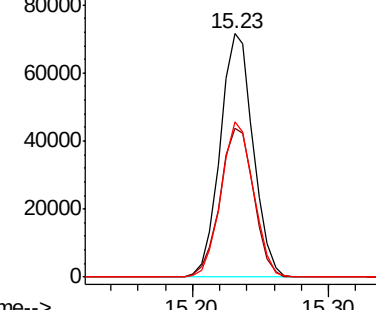


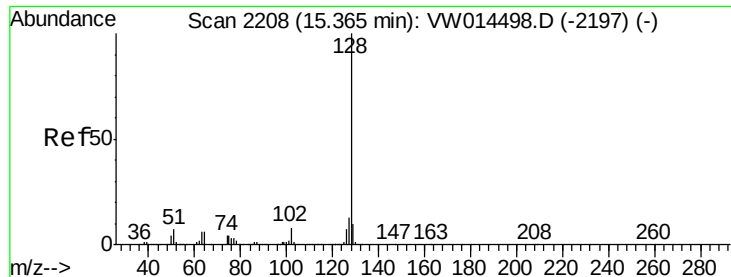
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

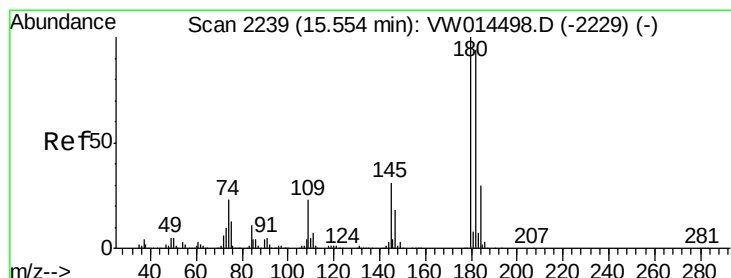
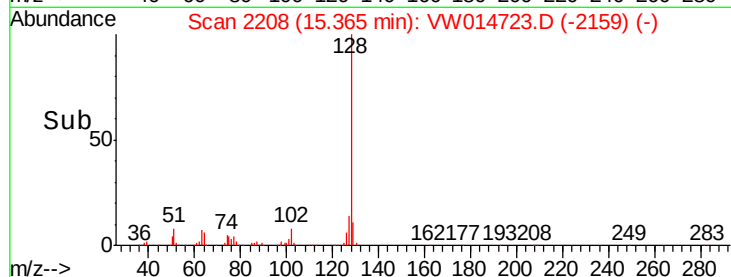
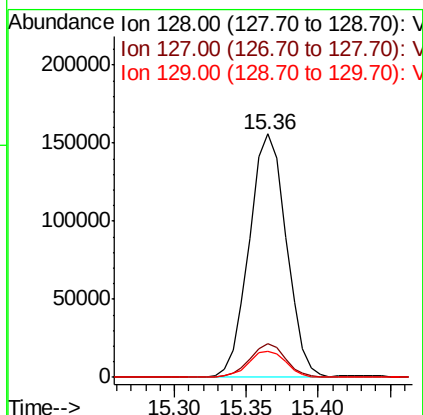
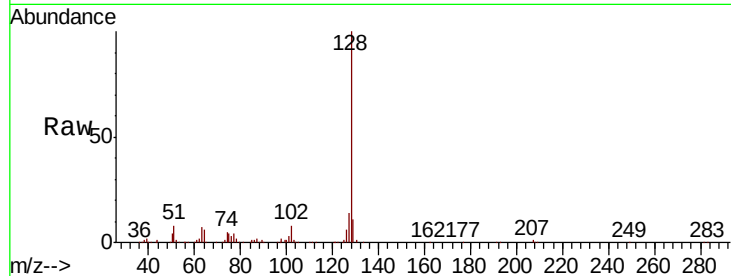




#95
Naphthalene
Concen: 19.558 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW014723.D
Acq: 23 Jan 2020 14:03

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 278811
Ion Ratio Lower Upper
128 100
127 13.2 10.6 15.8
129 11.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 20.436 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW014723.D
Acq: 23 Jan 2020 14:03

Tgt Ion:180 Resp: 148898
Ion Ratio Lower Upper
180 100
182 97.1 47.4 142.2
145 31.3 15.5 46.5

