

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022719\
 Data File : VW008846.D
 Acq On : 27 Feb 2019 11:02
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Feb 28 06:59:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 00:38:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	310754	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	432411	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	412397	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	215173	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	126911	43.54	ug/l	0.00
Spiked Amount			Recovery	=	87.08%	
35) Dibromofluoromethane	7.88	113	123478	47.56	ug/l	0.00
Spiked Amount			Recovery	=	95.12%	
50) Toluene-d8	10.32	98	509809	50.87	ug/l	0.00
Spiked Amount			Recovery	=	101.74%	
62) 4-Bromofluorobenzene	12.62	95	186177	47.44	ug/l	0.00
Spiked Amount			Recovery	=	94.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	162803	52.307	ug/l	97
3) Chloromethane	2.21	50	199662	52.700	ug/l	100
4) Vinyl Chloride	2.35	62	205686	51.276	ug/l	99
5) Bromomethane	2.77	94	158355	53.149	ug/l	99
6) Chloroethane	2.92	64	144827	50.844	ug/l	98
7) Trichlorofluoromethane	3.26	101	264367	52.109	ug/l	95
8) Diethyl Ether	3.68	74	72133	44.910	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	161826	52.526	ug/l	99
10) Methyl Iodide	4.27	142	184878	47.988	ug/l	100
11) Tert butyl alcohol	5.19	59	49126	189.327	ug/l #	93
12) 1,1-Dichloroethene	4.04	96	141420	51.977	ug/l	98
13) Acrolein	3.90	56	62064	228.605	ug/l	98
14) Allyl chloride	4.67	41	244834	52.137	ug/l	97
15) Acrylonitrile	5.37	53	158407	229.801	ug/l	100
16) Acetone	4.13	43	173562	256.909	ug/l	98
17) Carbon Disulfide	4.38	76	461332	51.103	ug/l	98
18) Methyl Acetate	4.67	43	71367	44.537	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	347449	47.179	ug/l	97
20) Methylene Chloride	4.92	84	162656	48.747	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	163324	51.893	ug/l	94
22) Diisopropyl ether	6.31	45	477768	51.002	ug/l	98
23) Vinyl Acetate	6.26	43	1400196	241.921	ug/l	100
24) 1,1-Dichloroethane	6.22	63	277082	51.044	ug/l	98
25) 2-Butanone	7.17	43	222984	236.086	ug/l	97
26) 2,2-Dichloropropane	7.16	77	261254	53.012	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	171863	51.048	ug/l	99
28) Bromochloromethane	7.51	49	108131	47.602	ug/l	99
29) Tetrahydrofuran	7.53	42	131984	219.277	ug/l	99
30) Chloroform	7.67	83	284986	51.175	ug/l	97
31) Cyclohexane	7.95	56	281805	51.287	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	270484	53.410	ug/l	99
36) 1,1-Dichloropropene	8.08	75	233093	55.376	ug/l	100
37) Ethyl Acetate	7.25	43	88680	45.305	ug/l	99
38) Carbon Tetrachloride	8.07	117	241652	54.438	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	293648	55.930	ug/l	99
40) Benzene	8.32	78	628656	54.701	ug/l	97
41) Methacrylonitrile	7.48	41	52212	45.379	ug/l	98
42) 1,2-Dichloroethane	8.40	62	183952	50.528	ug/l	100
43) Isopropyl Acetate	8.43	43	181514	46.463	ug/l	100
44) Trichloroethene	9.09	130	176751	54.594	ug/l	96
45) 1,2-Dichloropropane	9.37	63	150484	52.988	ug/l	96
46) Dibromomethane	9.46	93	80006	50.646	ug/l	97
47) Bromodichloromethane	9.64	83	206267	53.667	ug/l	95
48) Methyl methacrylate	9.44	41	87488	46.759	ug/l	98
49) 1,4-Dioxane	9.45	88	24639	973.971	ug/l	93
51) 4-Methyl-2-Pentanone	10.21	43	463470	233.678	ug/l	98
52) Toluene	10.39	92	439863	56.395	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	206509	52.715	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	243137	54.418	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	108233	50.521	ug/l	97
56) Ethyl methacrylate	10.65	69	140436	50.456	ug/l	98
57) 1,3-Dichloropropane	10.93	76	190982	50.491	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	344449	246.059	ug/l	99
59) 2-Hexanone	10.97	43	358188	253.702	ug/l	99
60) Dibromochloromethane	11.13	129	138237	52.902	ug/l	97
61) 1,2-Dibromoethane	11.23	107	104217	49.146	ug/l	98
64) Tetrachloroethene	10.86	164	161179	54.600	ug/l	97
65) Chlorobenzene	11.66	112	477512	55.067	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	156259	53.293	ug/l	100
67) Ethyl Benzene	11.73	91	871837	56.241	ug/l	99
68) m/p-Xylenes	11.84	106	690022	111.406	ug/l	100
69) o-Xylene	12.17	106	317085	54.543	ug/l	99
70) Styrene	12.18	104	510262	54.556	ug/l	100
71) Bromoform	12.35	173	76379	48.462	ug/l #	100
73) Isopropylbenzene	12.47	105	889219	60.282	ug/l	99
74) N-amyl acetate	12.27	43	183251	49.318	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	118923	49.340	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	169181	95.231	ug/l #	100
77) Bromobenzene	12.75	156	196846	56.471	ug/l	97
78) n-propylbenzene	12.80	91	1065916	59.074	ug/l	100
79) 2-Chlorotoluene	12.90	91	588466	57.442	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	745545	58.160	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	37951	51.933	ug/l	97
82) 4-Chlorotoluene	12.99	91	611684	56.660	ug/l	100
83) tert-Butylbenzene	13.21	119	668459	60.308	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	750385	56.549	ug/l	100
85) sec-Butylbenzene	13.38	105	945988	59.355	ug/l	100
86) p-Isopropyltoluene	13.50	119	842311	57.650	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	401436	55.506	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	391620	54.941	ug/l	100
89) n-Butylbenzene	13.83	91	795875	58.144	ug/l	100
90) Hexachloroethane	14.10	117	141850	59.306	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	350329	54.364	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	20601	47.250	ug/l	97

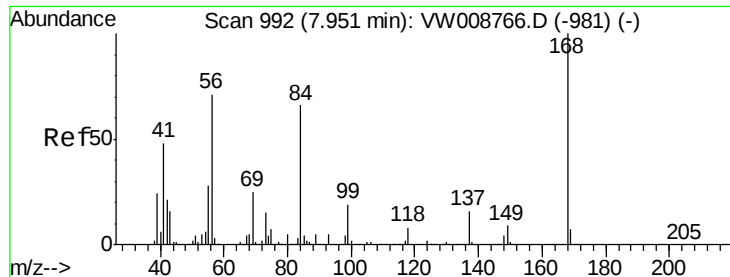
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	248241	53.465	ug/l	99
94) Hexachlorobutadiene	15.24	225	161320	58.985	ug/l	100
95) Naphthalene	15.37	128	388495	49.143	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	211224	52.615	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW008846.D

Acq: 27 Feb 2019 11:02

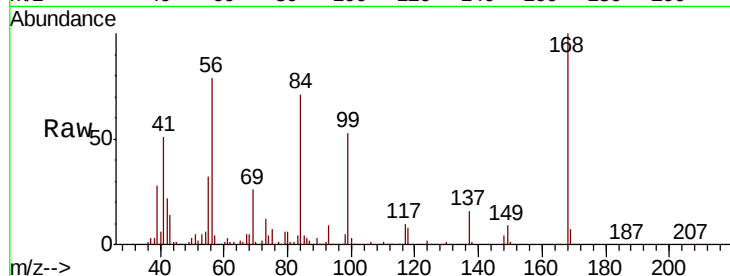
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 310754

Ion Ratio Lower Upper

168 100

99 53.1 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

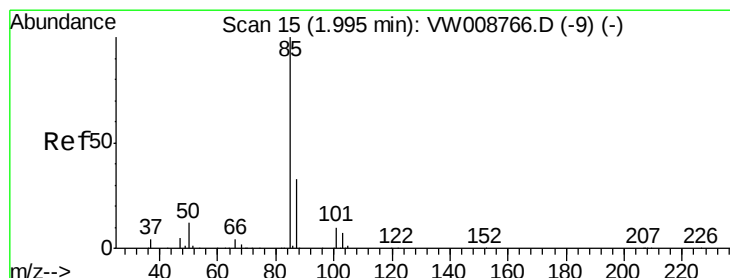
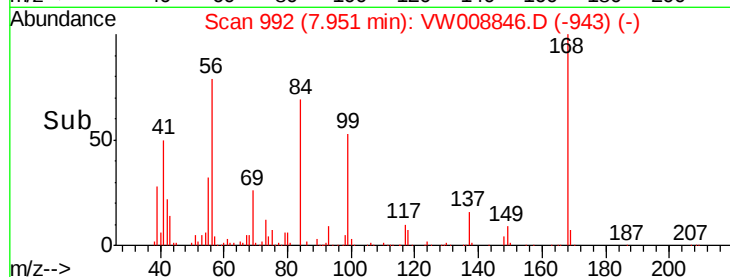
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 52.307 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.01 min

Lab File: VW008846.D

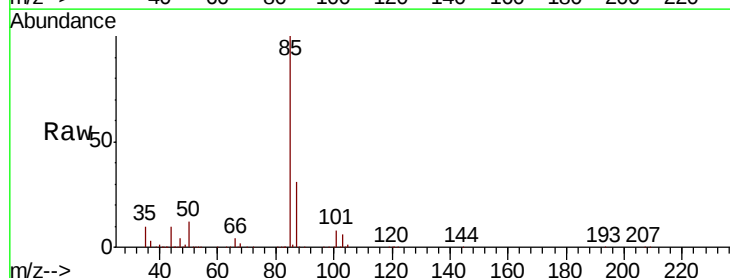
Acq: 27 Feb 2019 11:02

Tgt Ion: 85 Resp: 162803

Ion Ratio Lower Upper

85 100

87 31.1 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

120000

100000

80000

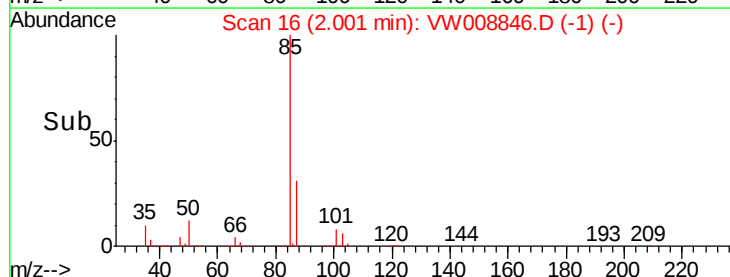
60000

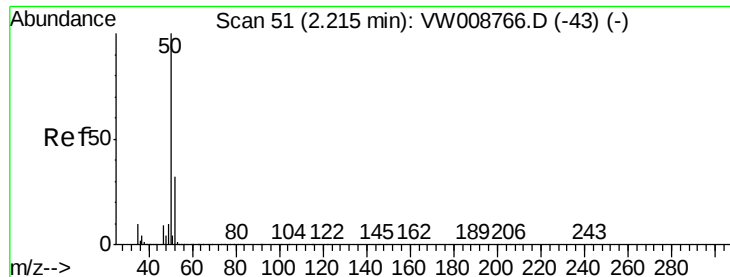
40000

20000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 52.700 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW008846.D

Acq: 27 Feb 2019 11:02

Instrument :

MSVOA_W

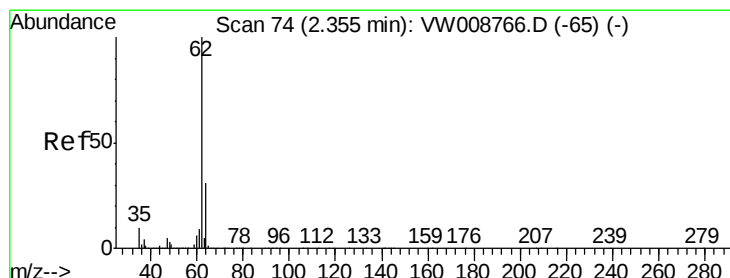
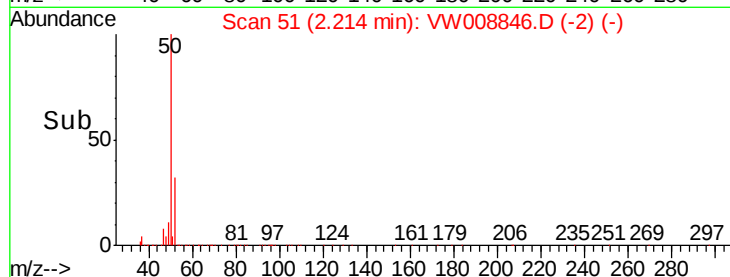
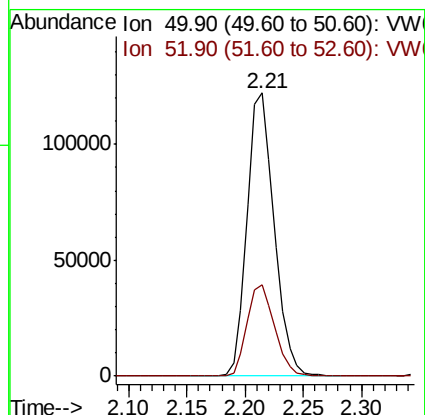
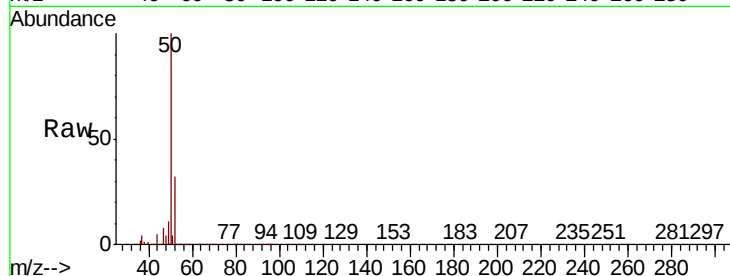
ClientSampleId :

Tot Ion: 50 Resp: 199662

Ion Ratio Lower Upper

50 100

52 32.3 25.9 38.9



#4

Vinyl Chloride

Concen: 51.276 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW008846.D

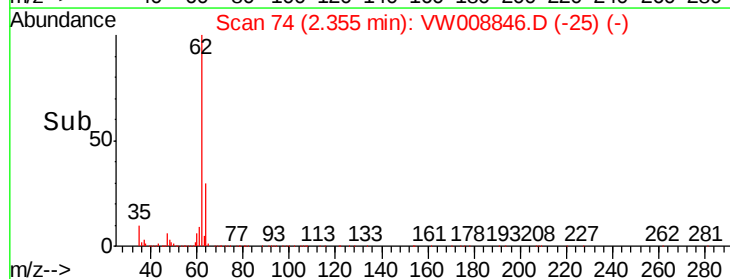
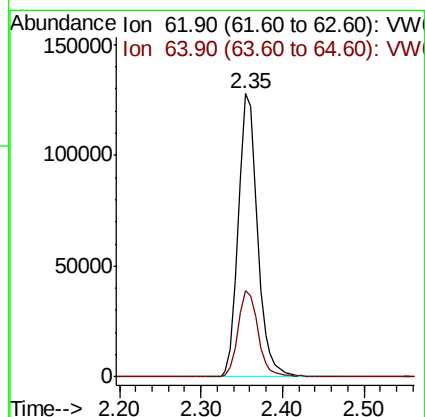
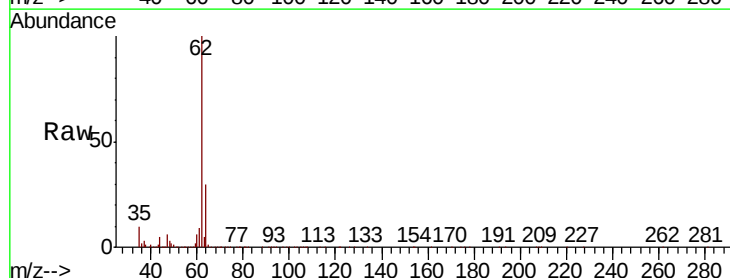
Acq: 27 Feb 2019 11:02

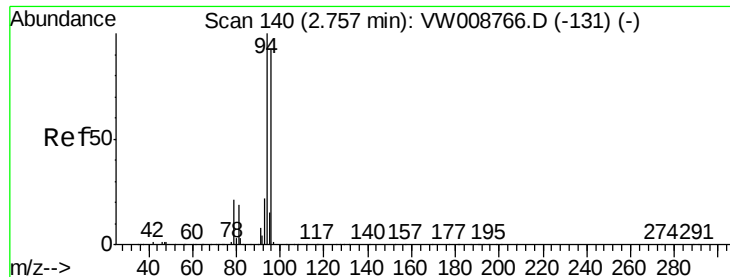
Tgt Ion: 62 Resp: 205686

Ion Ratio Lower Upper

62 100

64 30.3 24.9 37.3





#5

Bromomethane

Concen: 53.149 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.01 min

Lab File: VW008846.D

Acq: 27 Feb 2019 11:02

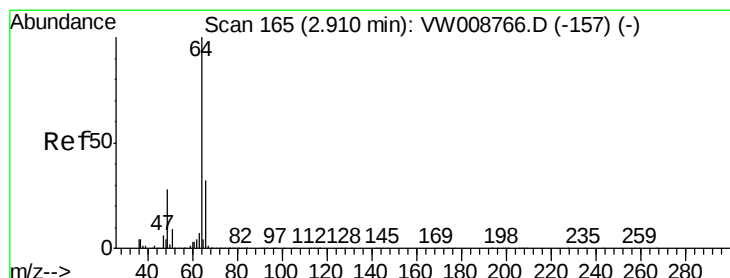
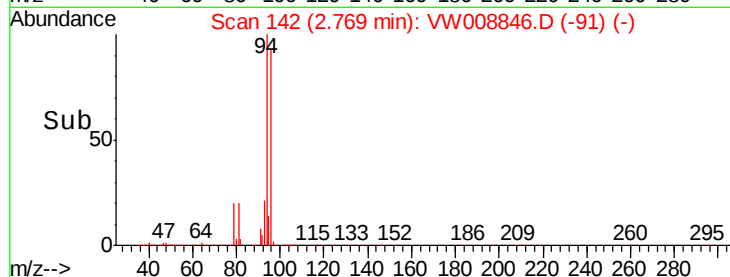
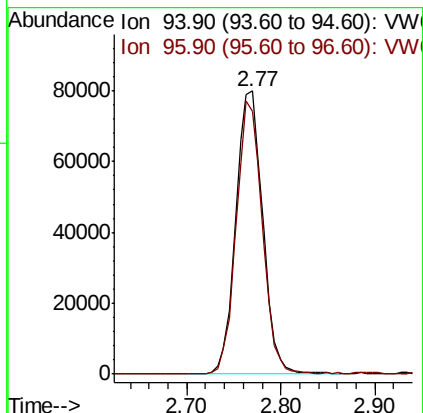
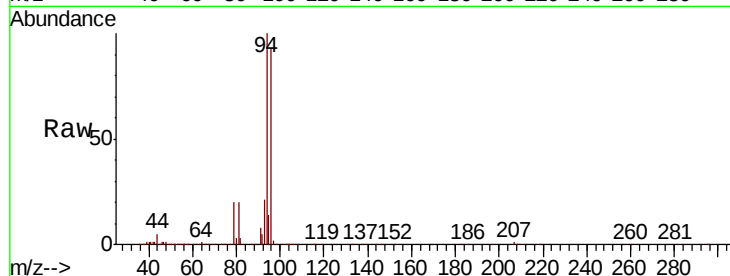
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 94 Resp: 158355

Ion Ratio Lower Upper

94 100

96 92.4 73.4 110.2



#6

Chloroethane

Concen: 50.844 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.01 min

Lab File: VW008846.D

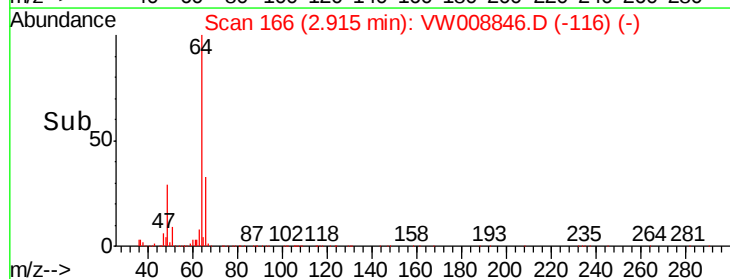
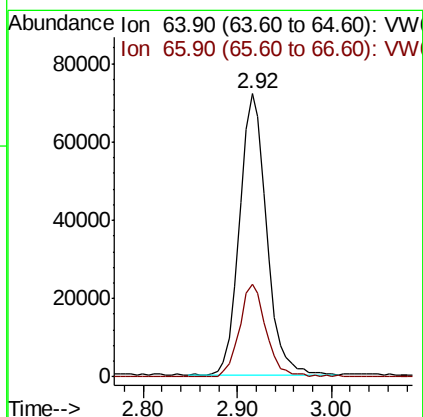
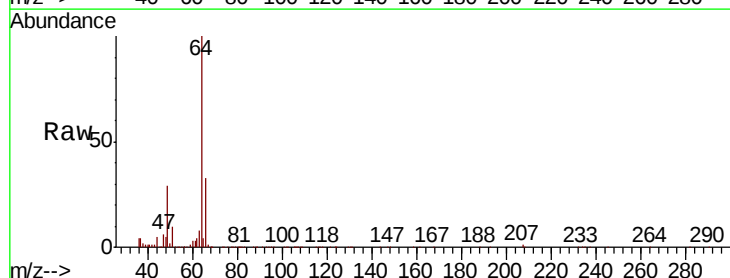
Acq: 27 Feb 2019 11:02

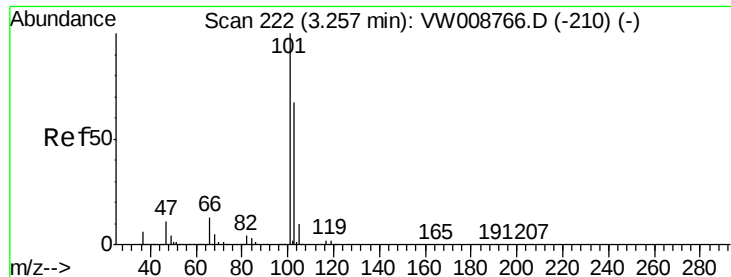
Tgt Ion: 64 Resp: 144827

Ion Ratio Lower Upper

64 100

66 32.9 25.5 38.3



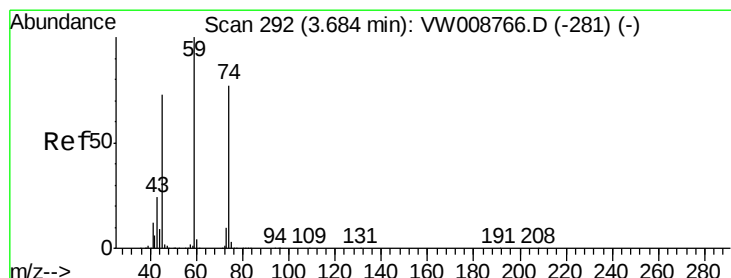
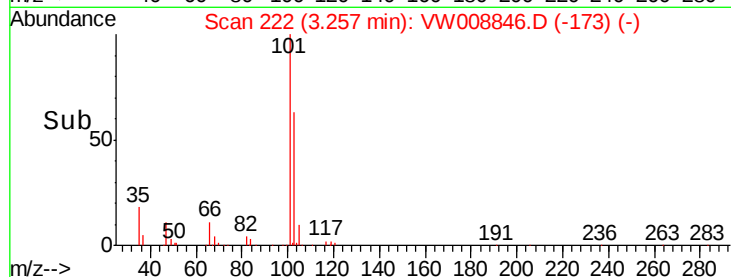
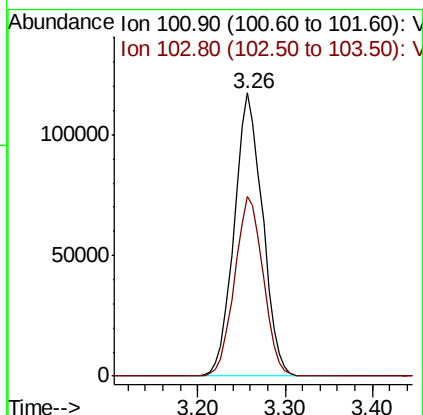
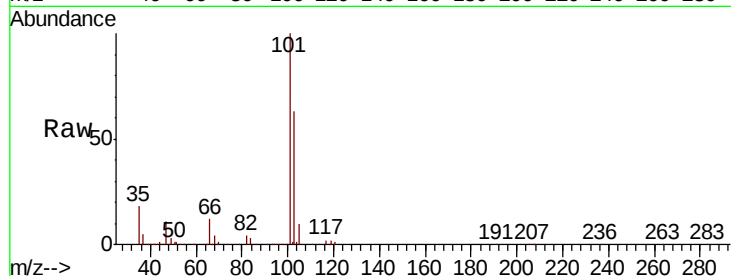


#7

Trichlorofluoromethane
 Concen: 52.109 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW008846.D
 Acq: 27 Feb 2019 11:02

Instrument :
 MSVOA_W
 ClientSampleId :

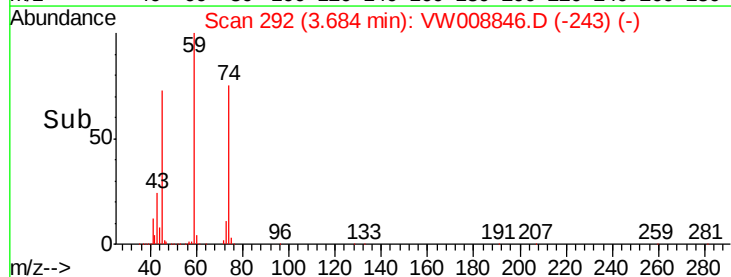
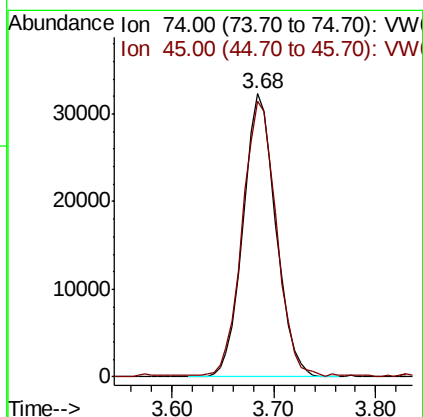
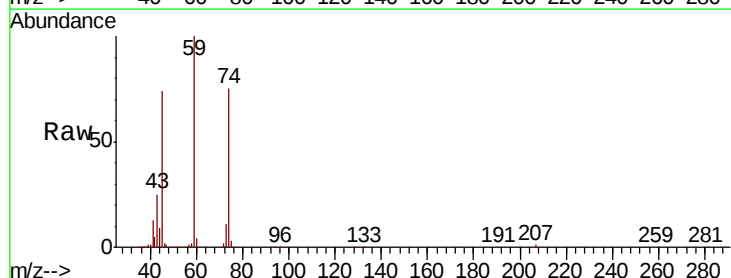
Tot Ion:101 Resp: 264367
 Ion Ratio Lower Upper
 101 100
 103 63.4 53.9 80.9

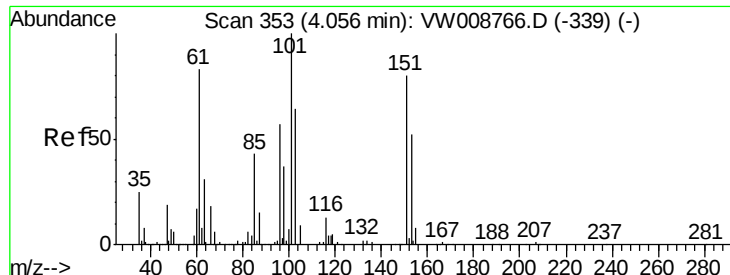


#8

Diethyl Ether
 Concen: 44.910 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.00 min
 Lab File: VW008846.D
 Acq: 27 Feb 2019 11:02

Tgt Ion: 74 Resp: 72133
 Ion Ratio Lower Upper
 74 100
 45 100.2 50.2 150.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.526 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW008846.D

Acq: 27 Feb 2019 11:02

Instrument :

MSVOA_W

ClientSampleId :

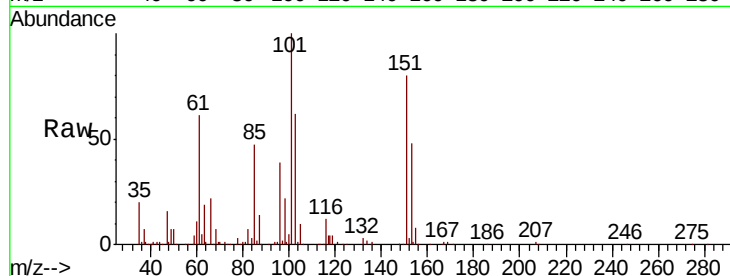
Tot Ion:101 Resp: 161826

Ion Ratio Lower Upper

101 100

85 45.9 36.0 54.0

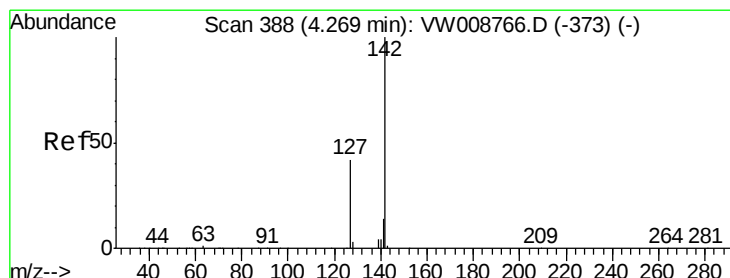
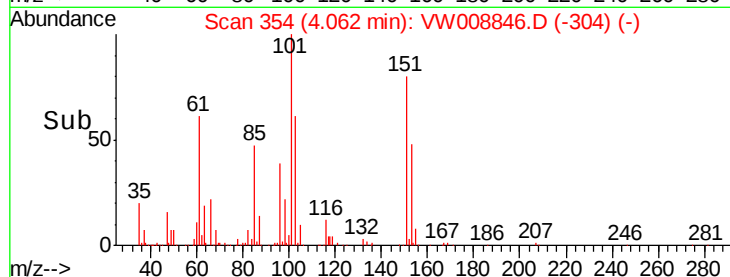
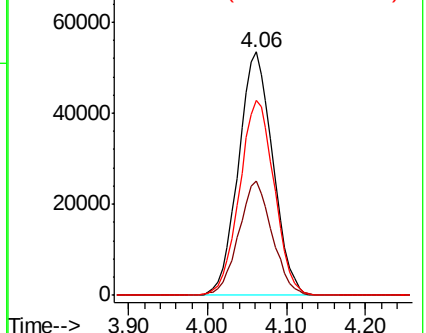
151 80.9 65.5 98.3



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: 47.988 ug/l

RT: 4.27 min Scan# 389

Delta R.T. 0.01 min

Lab File: VW008846.D

Acq: 27 Feb 2019 11:02

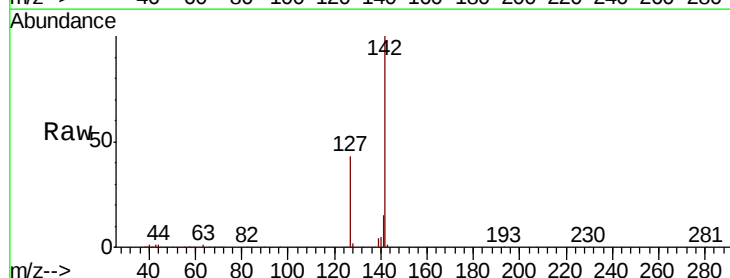
Tgt Ion:142 Resp: 184878

Ion Ratio Lower Upper

142 100

127 44.2 35.3 52.9

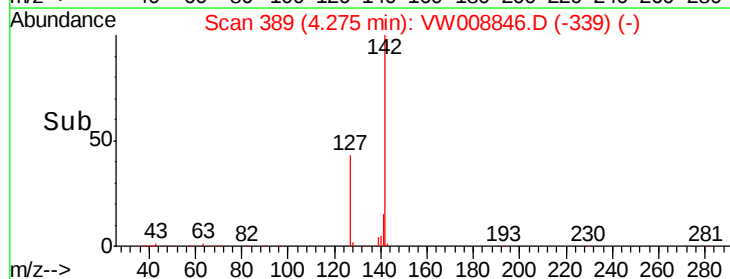
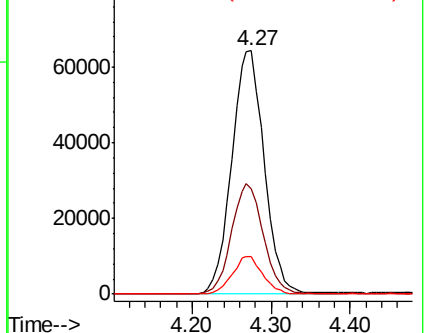
141 14.5 11.7 17.5

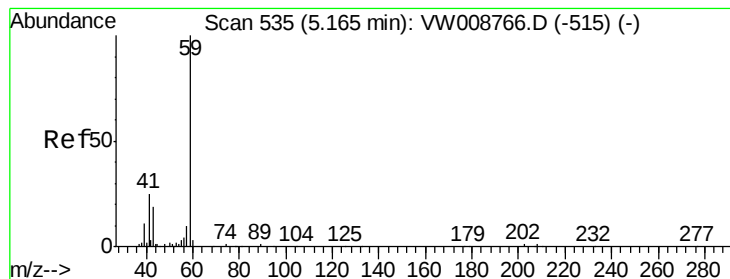


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



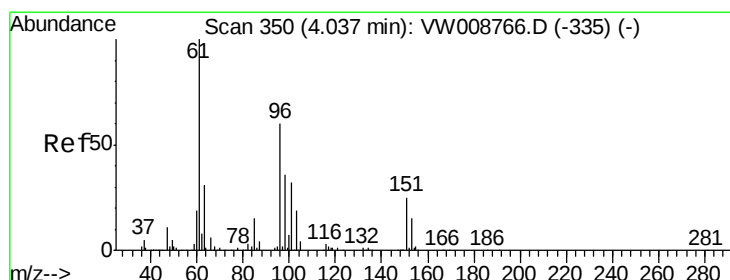
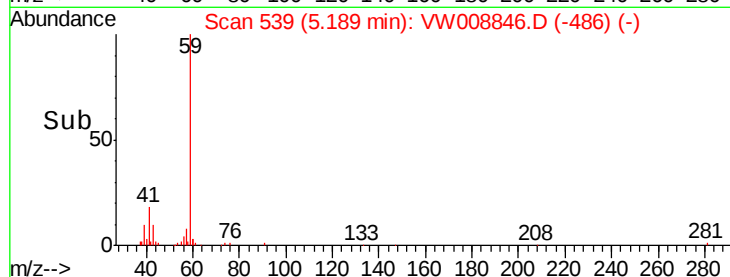
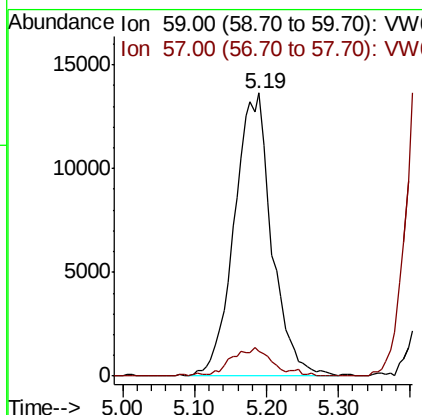
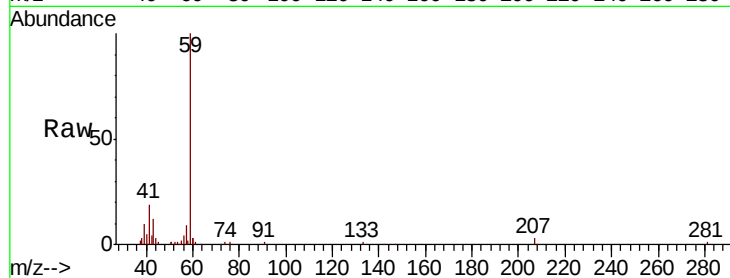


#11

Tert butyl alcohol
 Concen: 189.327 ug/l
 RT: 5.19 min Scan# 539
 Delta R.T. 0.02 min
 Lab File: VW008846.D
 Acq: 27 Feb 2019 11:02

Instrument :
 MSVOA_W
 ClientSampleId :

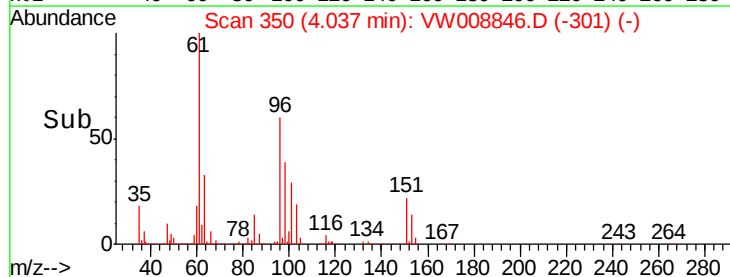
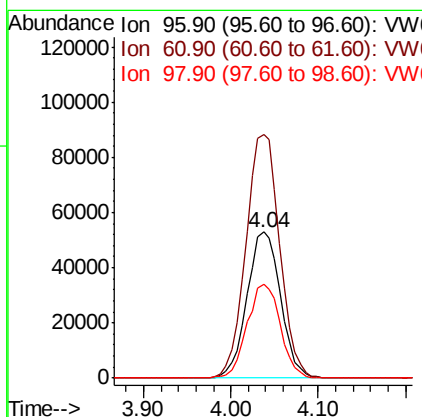
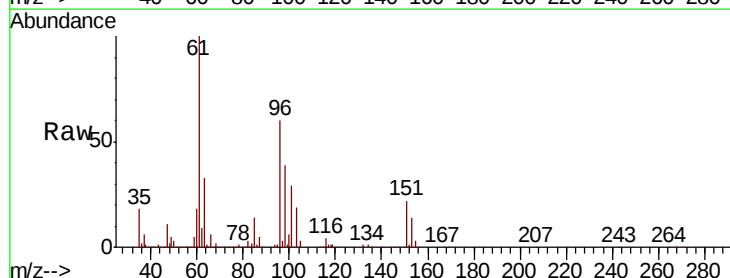
Tot Ion: 59 Resp: 49126
 Ion Ratio Lower Upper
 59 100
 57 8.8 9.3 13.9#

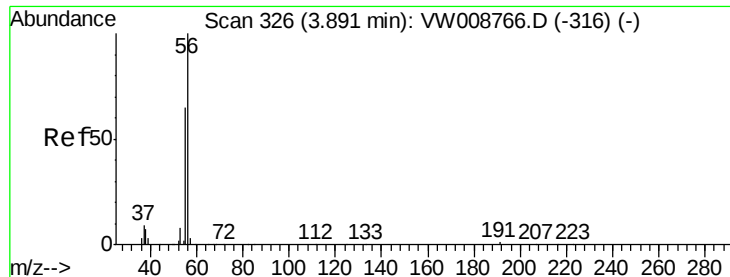


#12

1,1-Dichloroethene
 Concen: 51.977 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW008846.D
 Acq: 27 Feb 2019 11:02

Tgt Ion: 96 Resp: 141420
 Ion Ratio Lower Upper
 96 100
 61 166.6 132.5 198.7
 98 64.5 48.2 72.4





#13

Acrolein

Concen: 228.605 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW008846.D

Acq: 27 Feb 2019 11:02

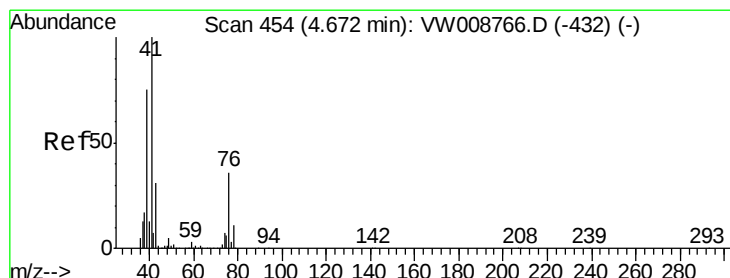
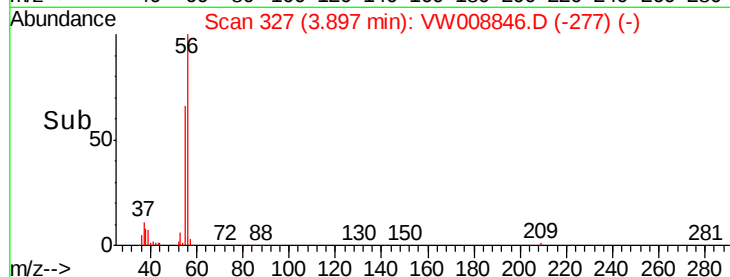
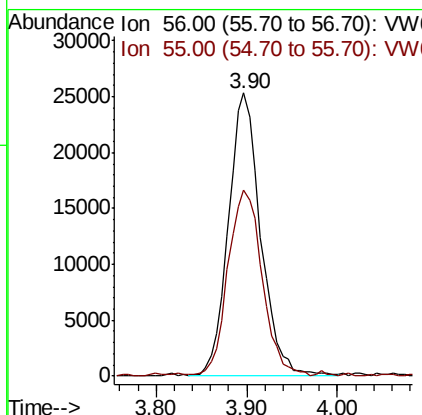
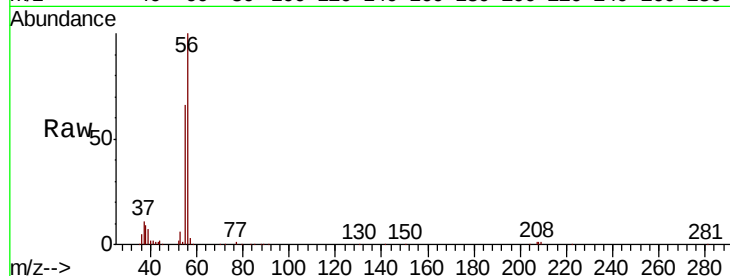
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 62064

Ion Ratio Lower Upper

56 100

55 69.1 56.9 85.3



#14

Allyl chloride

Concen: 52.137 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW008846.D

Acq: 27 Feb 2019 11:02

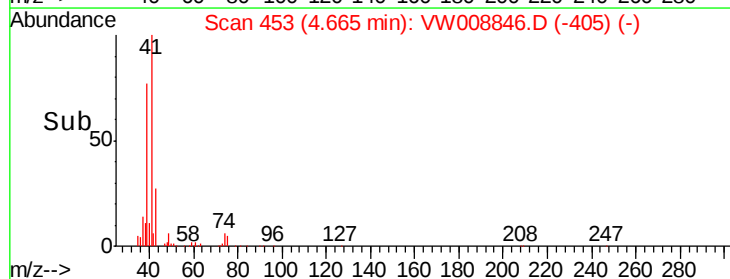
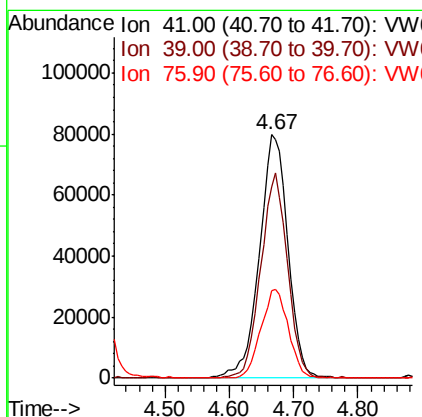
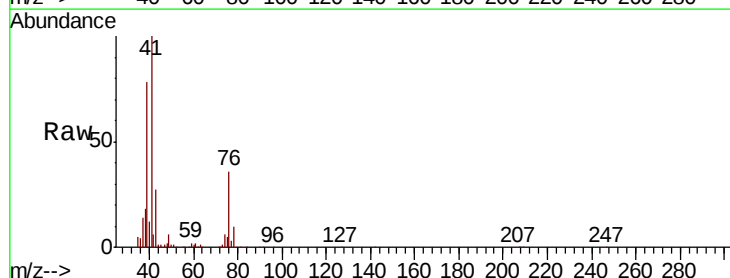
Tgt Ion: 41 Resp: 244834

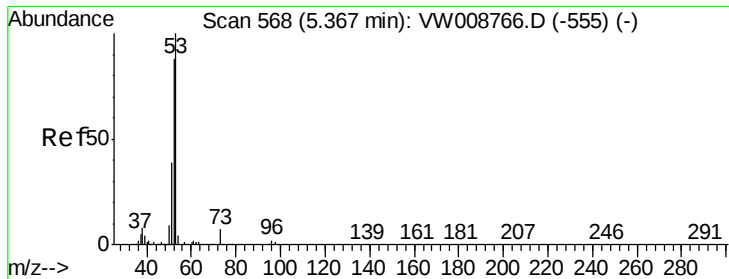
Ion Ratio Lower Upper

41 100

39 79.1 60.6 91.0

76 35.3 28.6 42.8





#15

Acrylonitrile

Concen: 229.801 ug/l

RT: 5.37 min Scan# 569

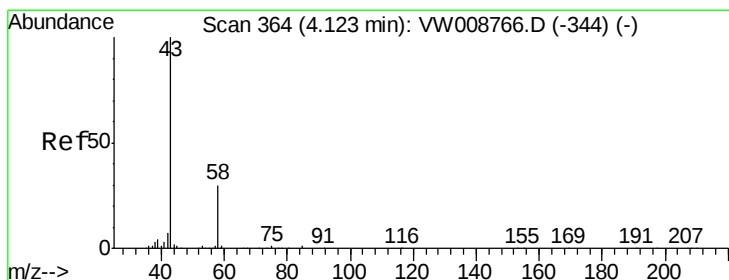
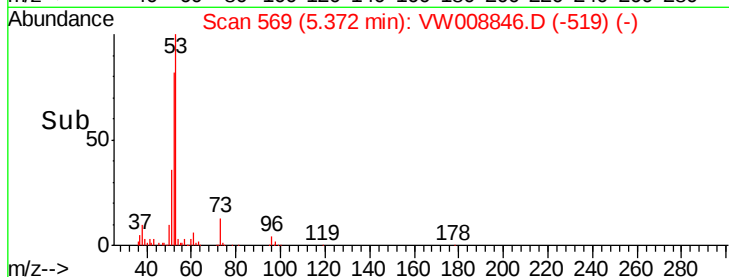
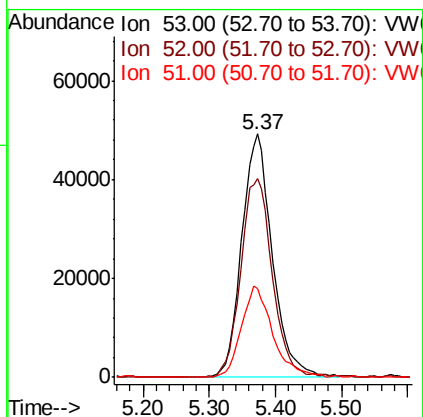
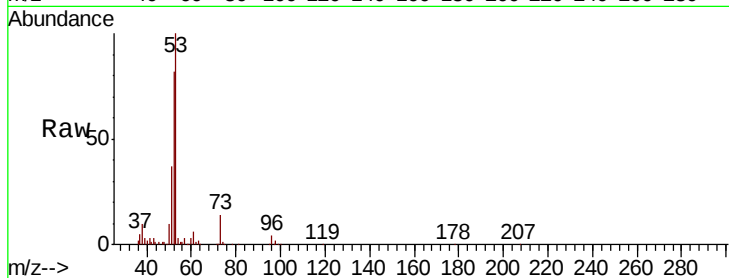
Delta R.T. 0.01 min

Lab File: VW008846.D

Acq: 27 Feb 2019 11:02

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:	53	Resp:	158407
Ion	Ratio	Lower	Upper
53	100		
52	83.8	67.2	100.8
51	38.5	31.1	46.7



#16

Acetone

Concen: 256.909 ug/l

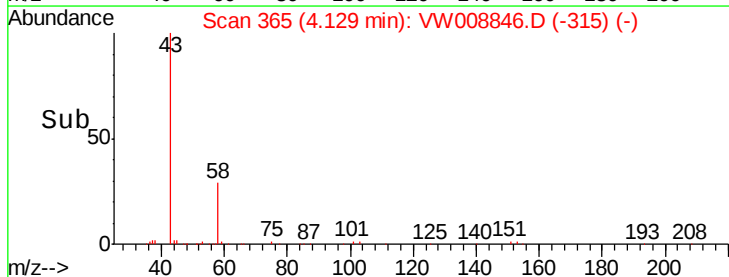
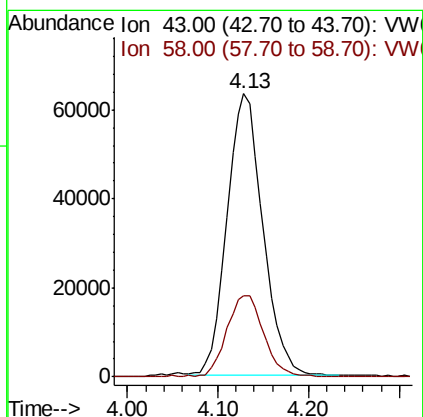
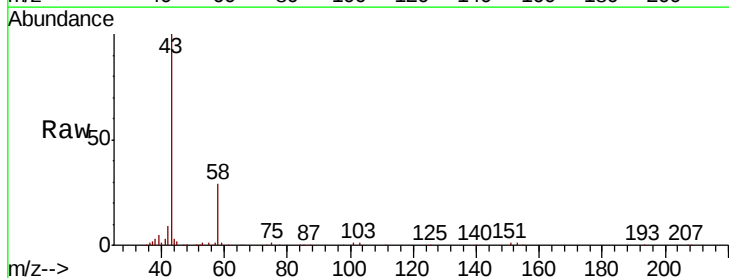
RT: 4.13 min Scan# 365

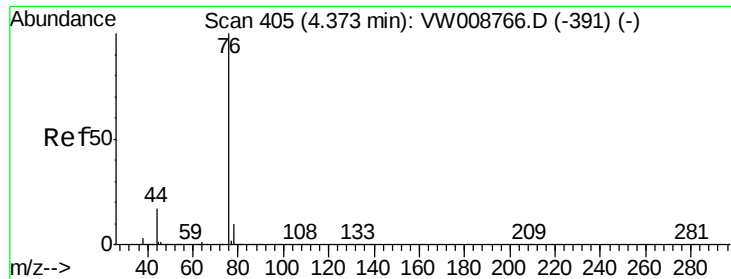
Delta R.T. 0.01 min

Lab File: VW008846.D

Acq: 27 Feb 2019 11:02

Tgt Ion:	43	Resp:	173562
Ion	Ratio	Lower	Upper
43	100		
58	28.6	23.8	35.6

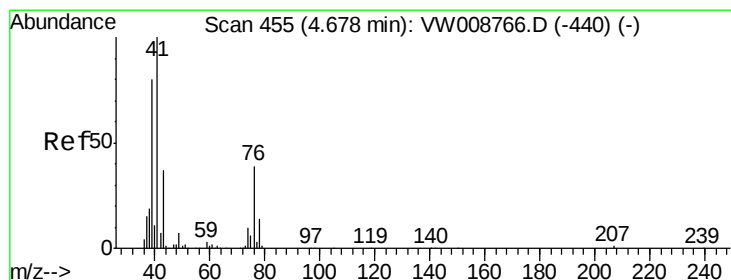
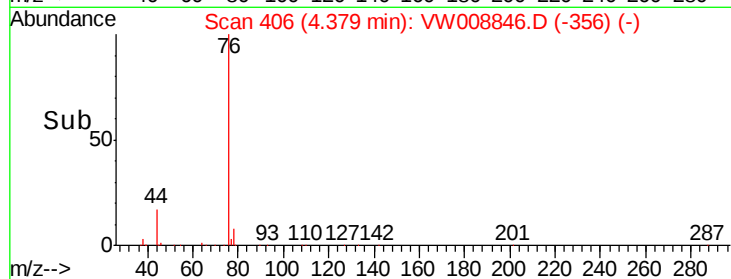
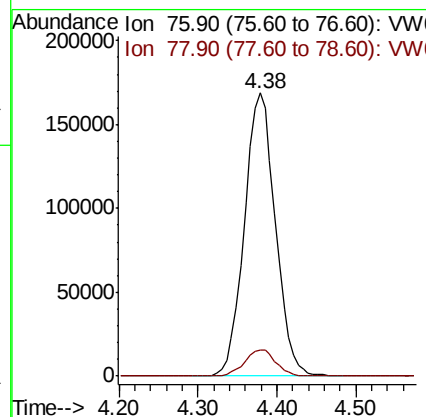
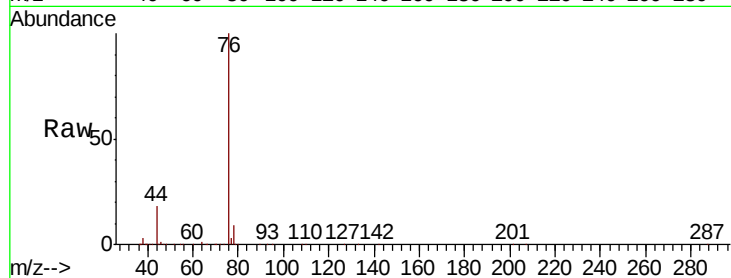




#17
Carbon Disulfide
Concen: 51.103 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.01 min
Lab File: VW008846.D
Acq: 27 Feb 2019 11:02

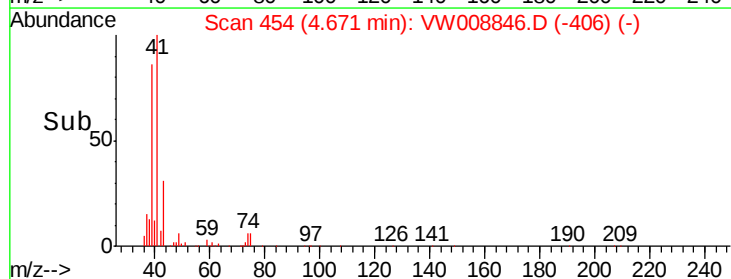
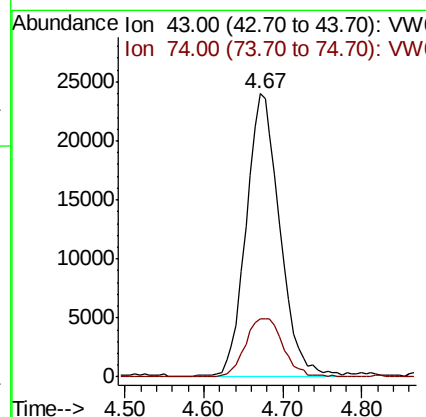
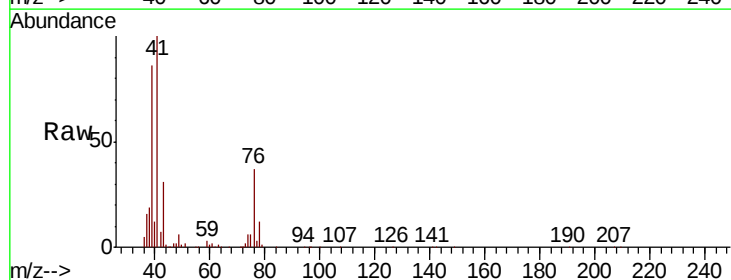
Instrument :
MSVOA_W
ClientSampleId :

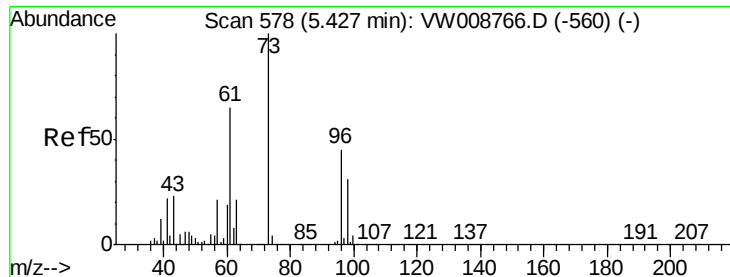
Tot Ion: 76 Resp: 461332
Ion Ratio Lower Upper
76 100
78 9.2 7.8 11.8



#18
Methyl Acetate
Concen: 44.537 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW008846.D
Acq: 27 Feb 2019 11:02

Tgt Ion: 43 Resp: 71367
Ion Ratio Lower Upper
43 100
74 22.9 19.4 29.2



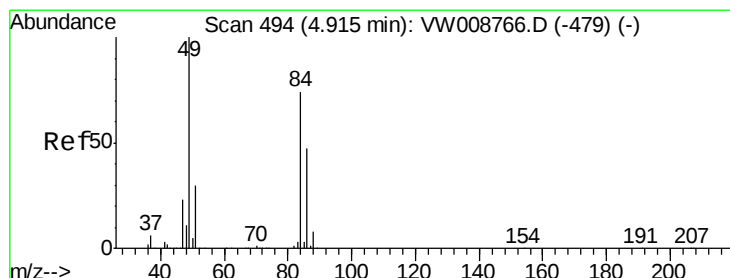
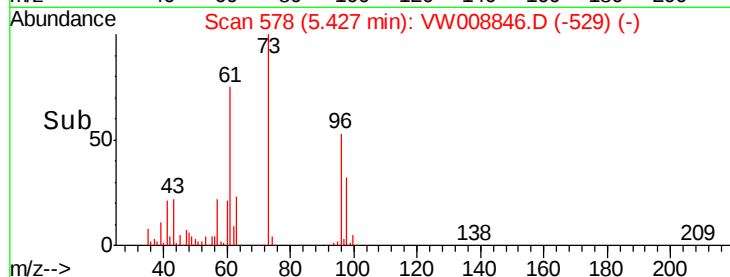
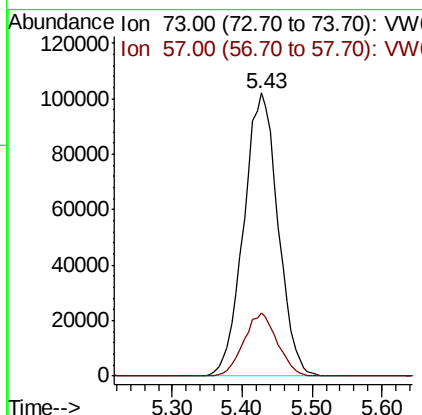
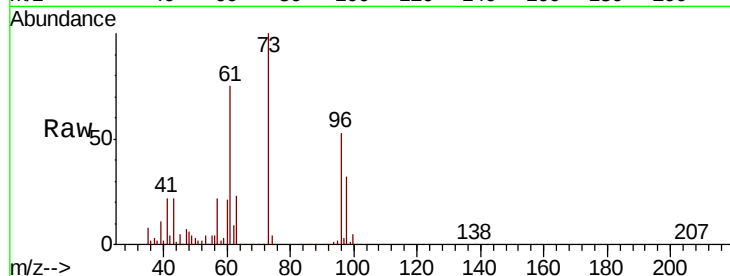


#19

Methyl tert-butyl Ether
 Concen: 47.179 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. -0.00 min
 Lab File: VW008846.D
 Acq: 27 Feb 2019 11:02

Instrument :
 MSVOA_W
 ClientSampled :

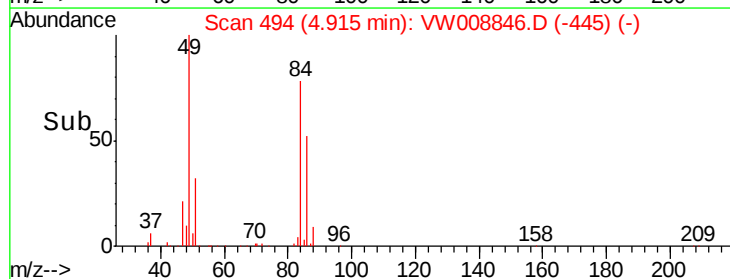
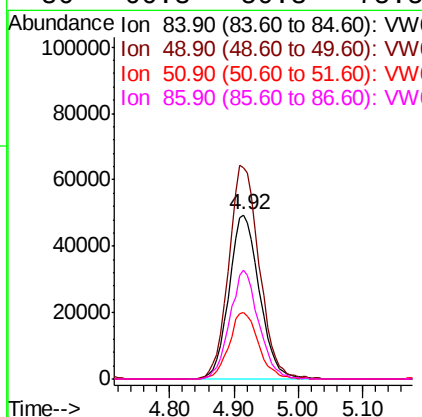
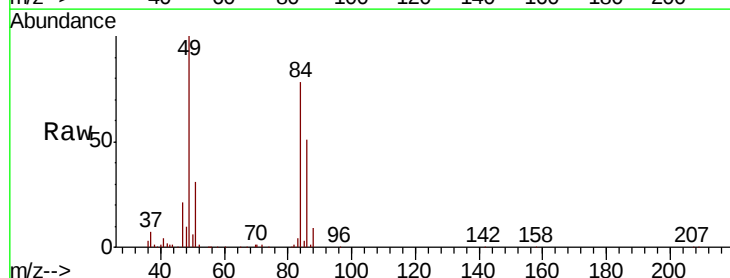
Tot Ion: 73 Resp: 347449
 Ion Ratio Lower Upper
 73 100
 57 22.2 16.8 25.2

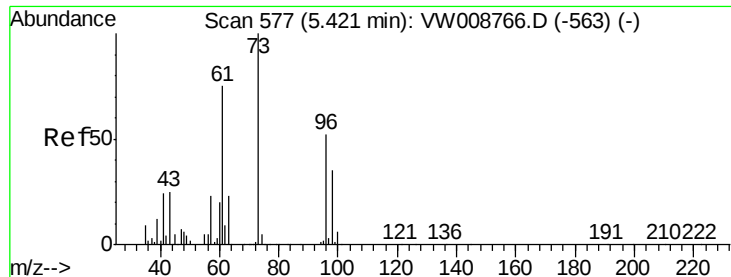


#20

Methylene Chloride
 Concen: 48.747 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: VW008846.D
 Acq: 27 Feb 2019 11:02

Tgt Ion: 84 Resp: 162656
 Ion Ratio Lower Upper
 84 100
 49 128.8 108.2 162.2
 51 40.6 32.7 49.1
 86 66.3 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 51.893 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW008846.D

Acq: 27 Feb 2019 11:02

Instrument :

MSVOA_W

ClientSampled :

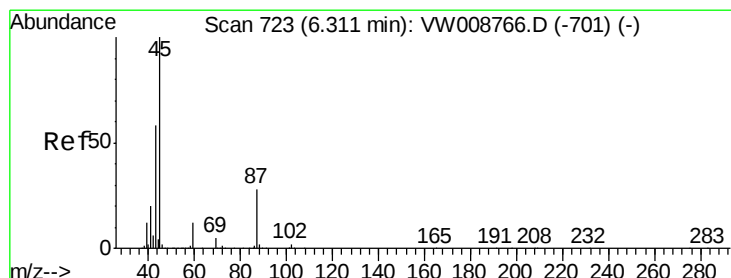
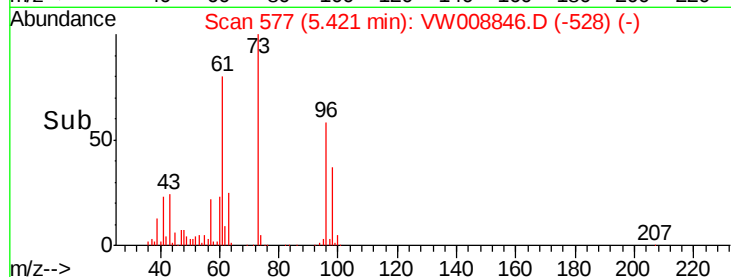
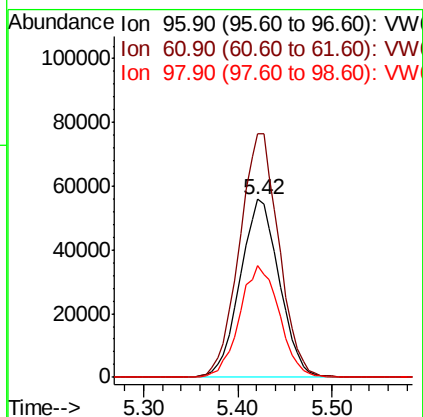
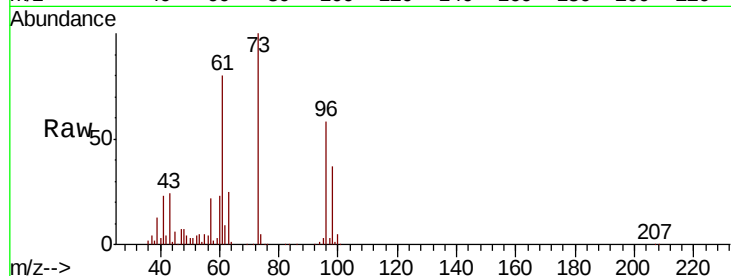
Tot Ion: 96 Resp: 163324

Ion Ratio Lower Upper

96 100

61 136.5 114.6 171.8

98 62.8 54.0 81.0



#22

Diisopropyl ether

Concen: 51.002 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW008846.D

Acq: 27 Feb 2019 11:02

Tgt Ion: 45 Resp: 477768

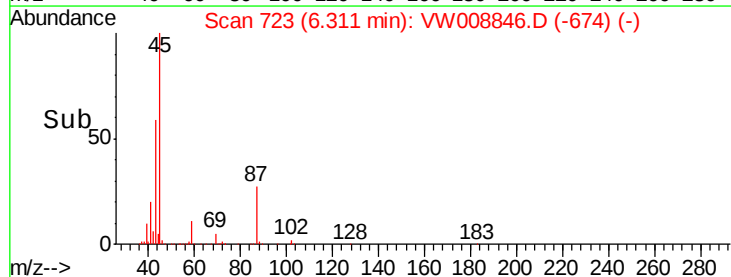
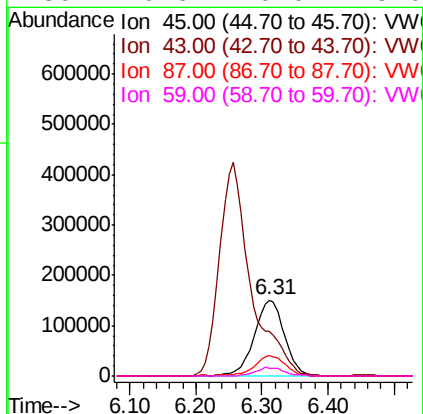
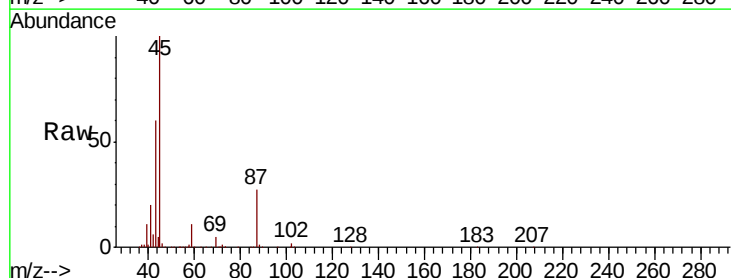
Ion Ratio Lower Upper

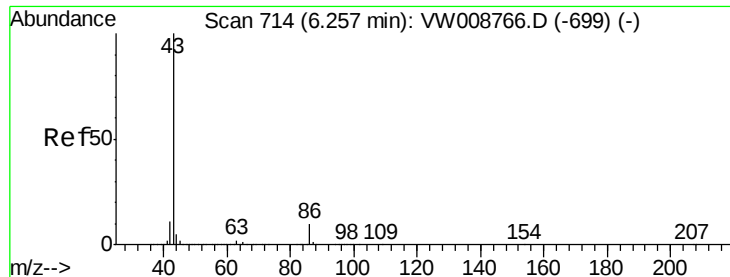
45 100

43 59.2 46.1 69.1

87 26.6 22.2 33.4

59 10.6 10.0 15.0





#23

Vinyl Acetate

Concen: 241.921 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW008846.D

Acq: 27 Feb 2019 11:02

Instrument :

MSVOA_W

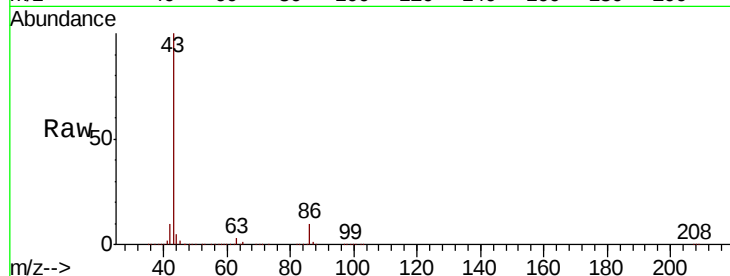
ClientSampleId :

Tot Ion: 43 Resp: 1400196

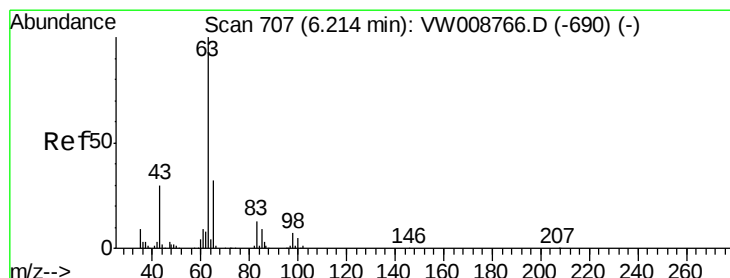
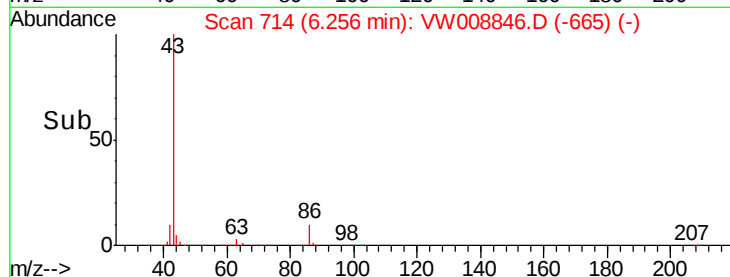
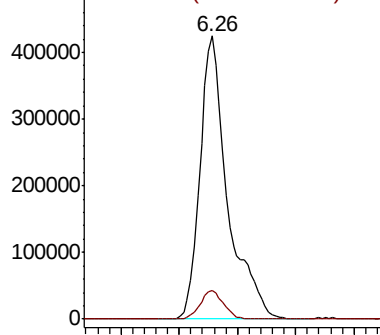
Ion Ratio Lower Upper

43 100

86 10.0 8.1 12.1



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



#24

1,1-Dichloroethane

Concen: 51.044 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW008846.D

Acq: 27 Feb 2019 11:02

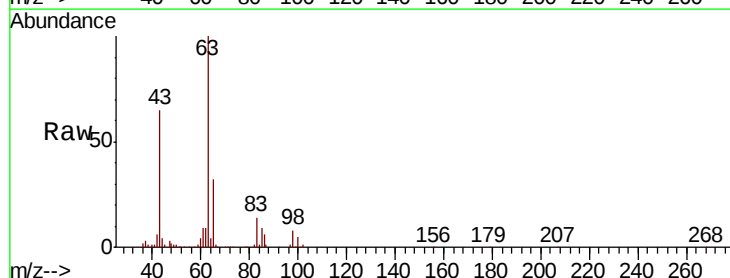
Tgt Ion: 63 Resp: 277082

Ion Ratio Lower Upper

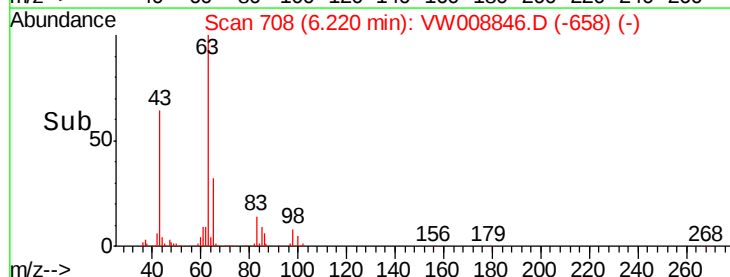
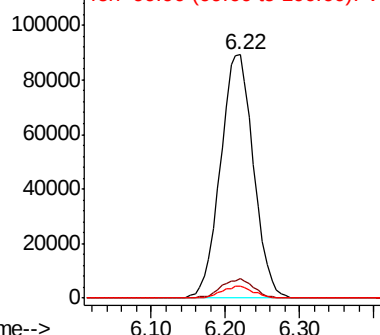
63 100

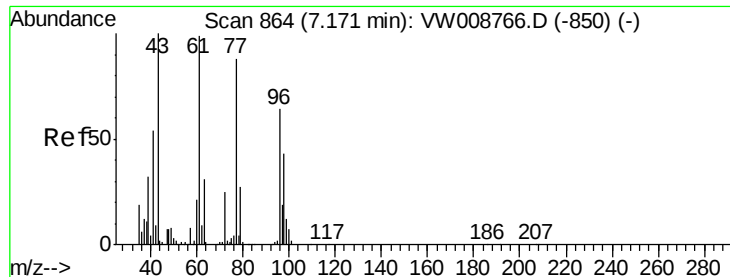
98 8.2 3.5 10.6

100 4.9 2.4 7.2



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





#25

2-Butanone

Concen: 236.086 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW008846.D

Acq: 27 Feb 2019 11:02

Instrument :

MSVOA_W

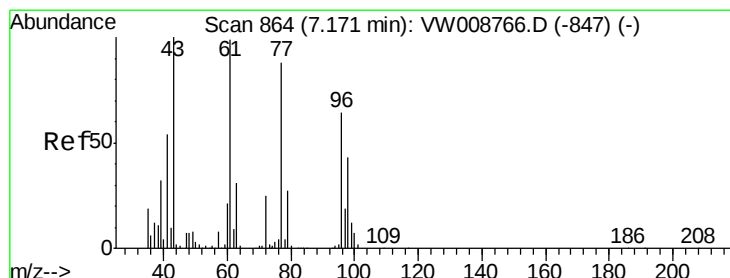
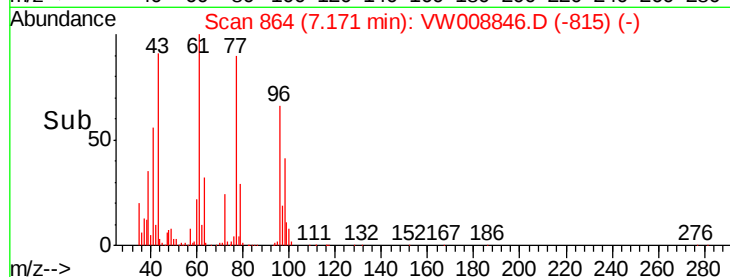
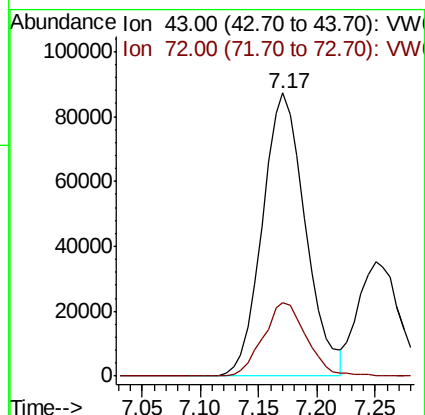
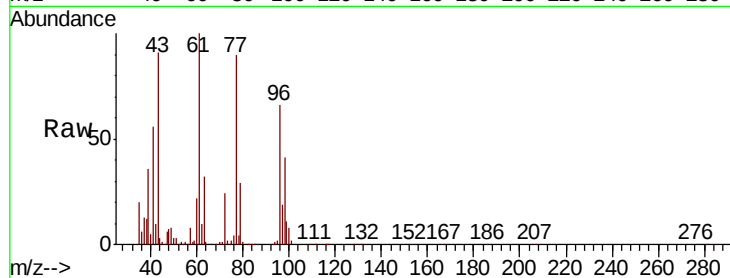
ClientSampled :

Tot Ion: 43 Resp: 222984

Ion Ratio Lower Upper

43 100

72 26.0 19.7 29.5



#26

2,2-Dichloropropane

Concen: 53.012 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW008846.D

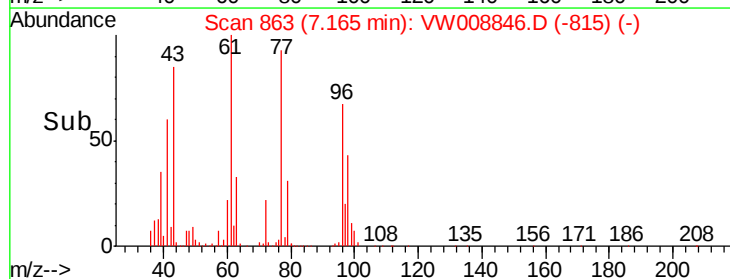
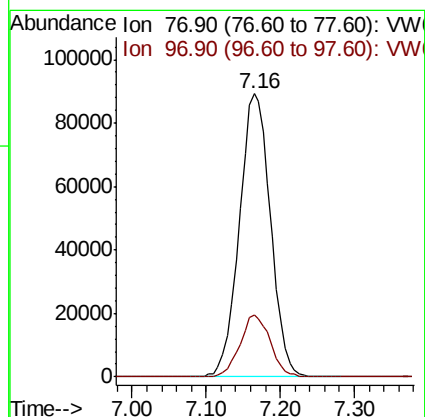
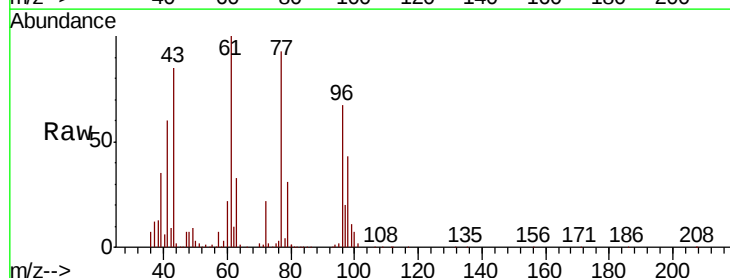
Acq: 27 Feb 2019 11:02

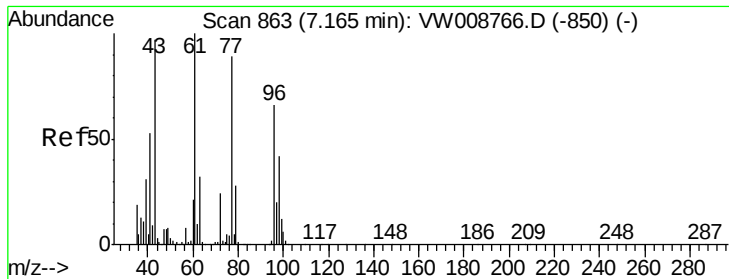
Tgt Ion: 77 Resp: 261254

Ion Ratio Lower Upper

77 100

97 21.4 11.0 33.0



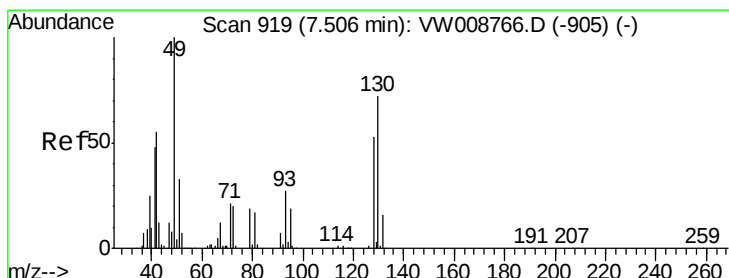
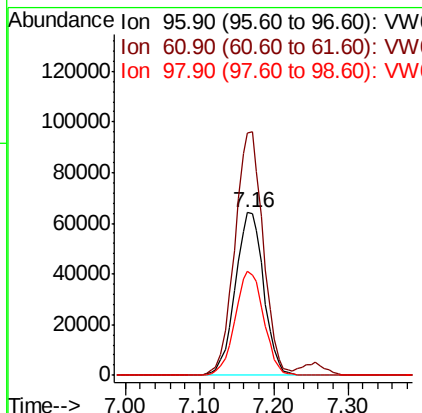
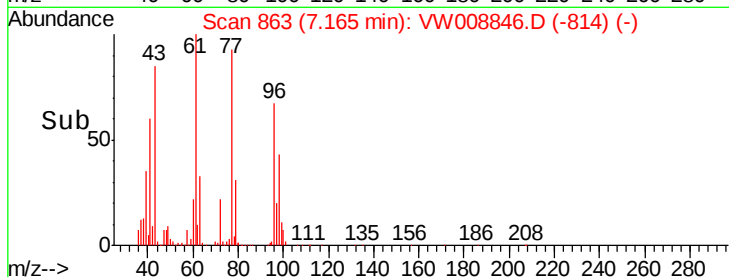
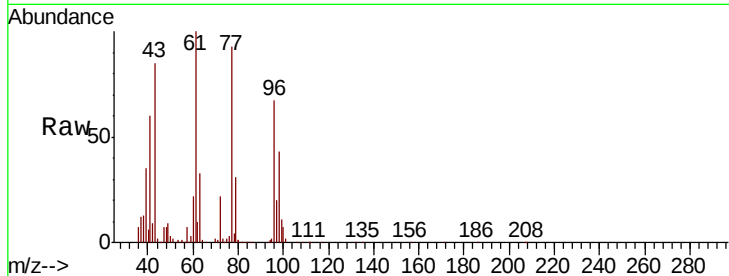


#27

cis-1,2-Dichloroethene
 Concen: 51.048 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW008846.D
 Acq: 27 Feb 2019 11:02

Instrument :
 MSVOA_W
 ClientSampleId :

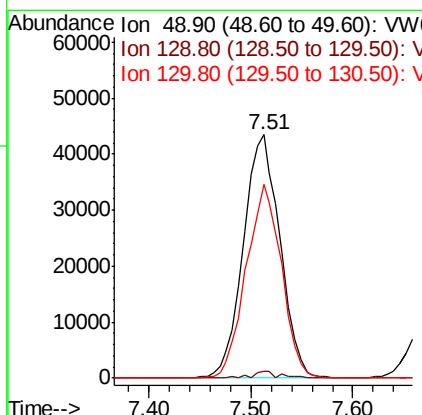
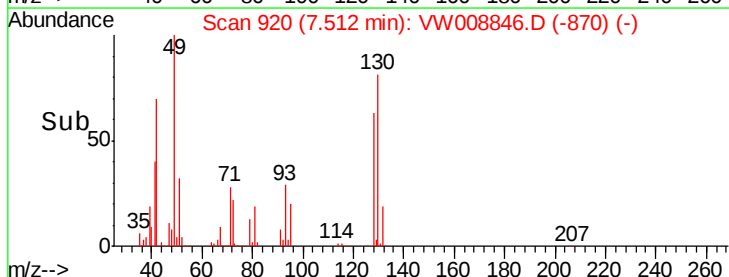
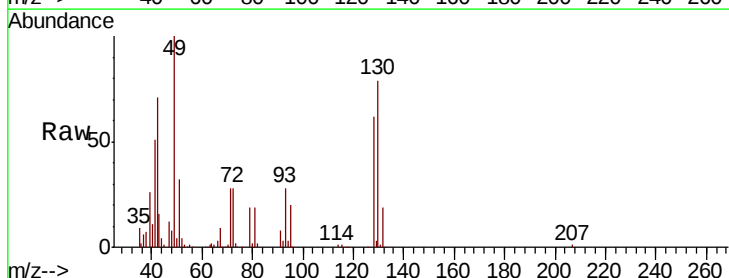
Tot Ion	Ratio	Lower	Upper
96	100		
61	149.5	0.0	302.6
98	64.5	0.0	130.0

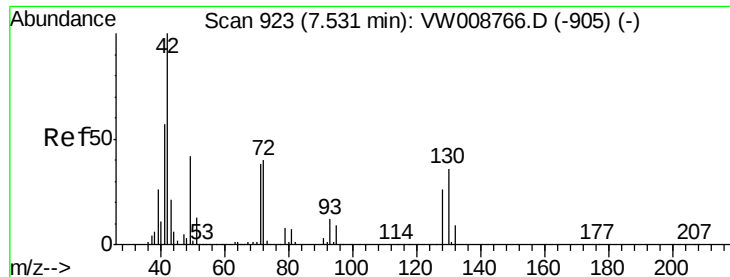


#28

Bromochloromethane
 Concen: 47.602 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VW008846.D
 Acq: 27 Feb 2019 11:02

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	2.6
130	77.0	61.3	91.9

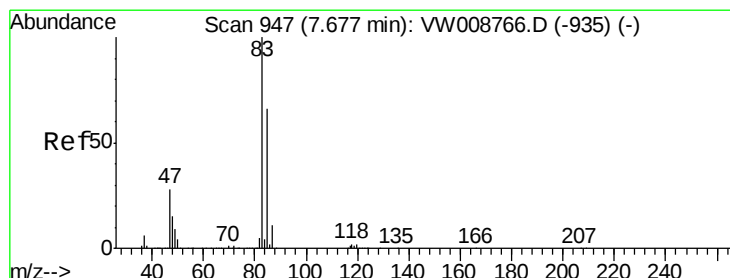
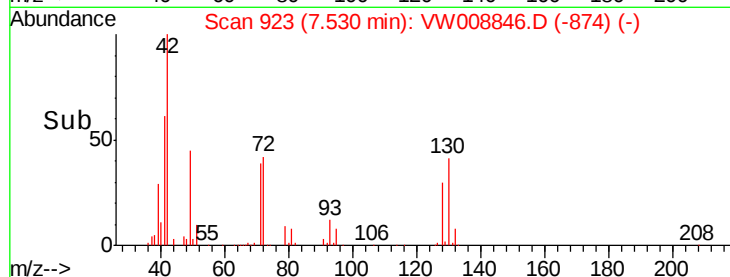
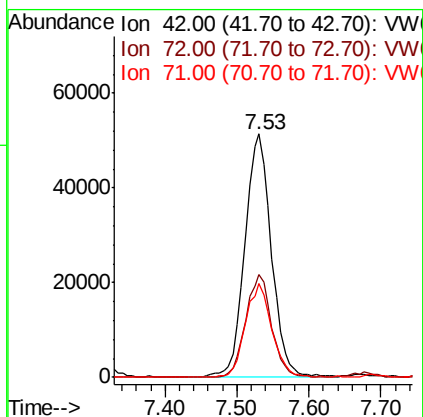
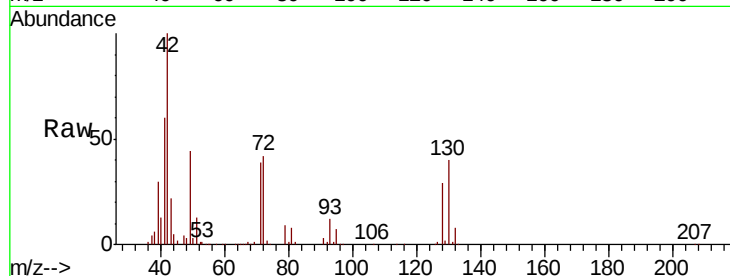




#29
Tetrahydrofuran
Concen: 219.277 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW008846.D
Acq: 27 Feb 2019 11:02

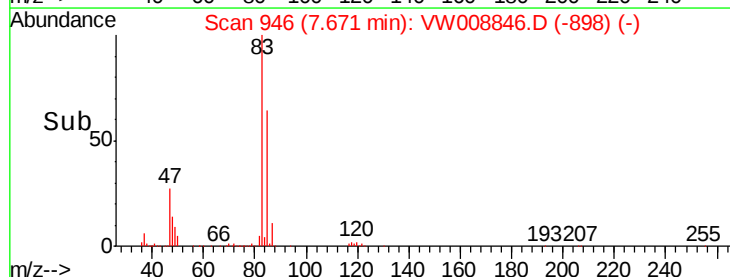
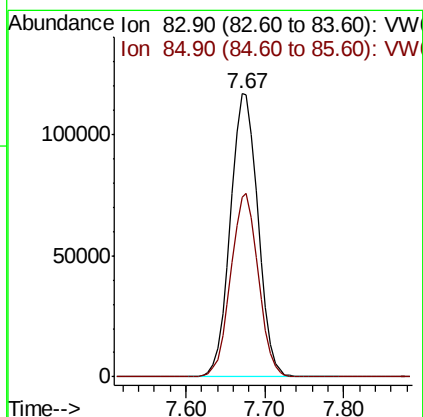
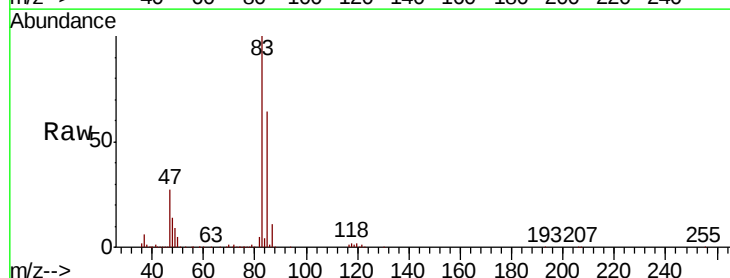
Instrument :
MSVOA_W
ClientSampleId :

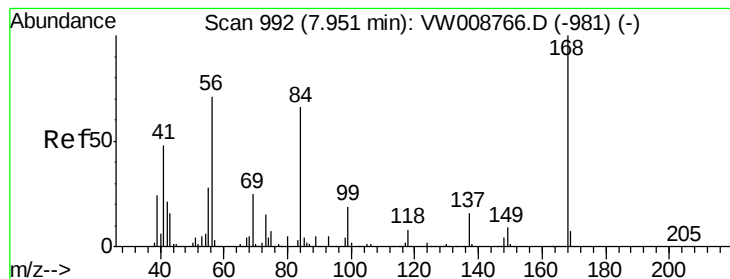
Tot Ion: 42 Resp: 131984
Ion Ratio Lower Upper
42 100
72 41.2 32.7 49.1
71 38.4 31.3 46.9



#30
Chloroform
Concen: 51.175 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW008846.D
Acq: 27 Feb 2019 11:02

Tgt Ion: 83 Resp: 284986
Ion Ratio Lower Upper
83 100
85 63.7 52.6 79.0





#31

Cyclohexane

Concen: 51.287 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW008846.D

Acq: 27 Feb 2019 11:02

Instrument :
MSVOA_W
ClientSampled :

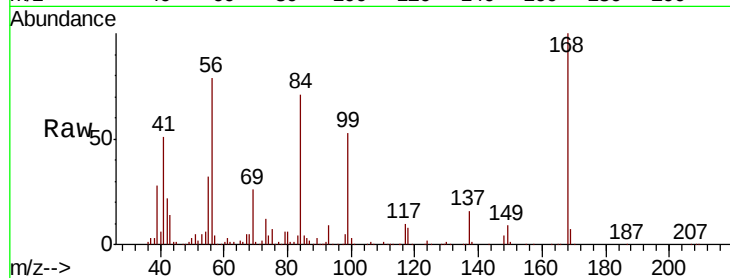
Tot Ion: 56 Resp: 281805

Ion Ratio Lower Upper

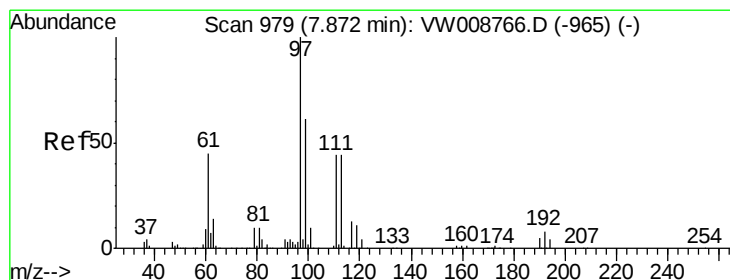
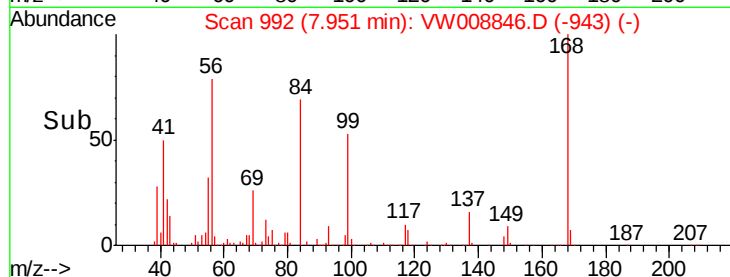
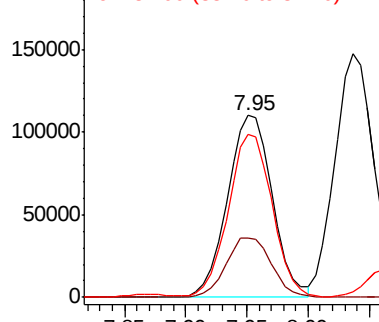
56 100

69 32.8 28.2 42.4

84 88.1 74.1 111.1



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: 53.410 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW008846.D

Acq: 27 Feb 2019 11:02

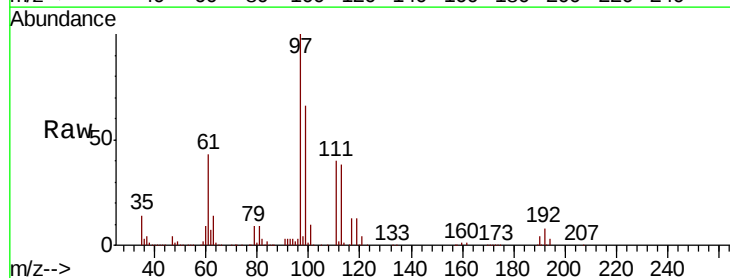
Tgt Ion: 97 Resp: 270484

Ion Ratio Lower Upper

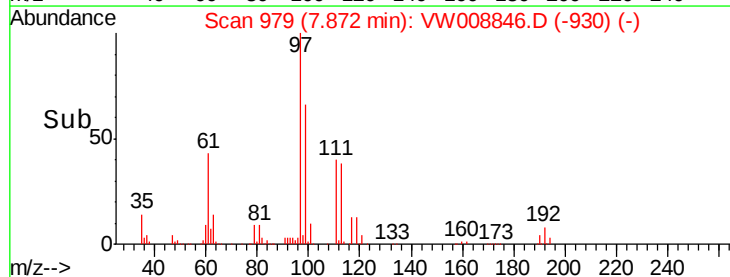
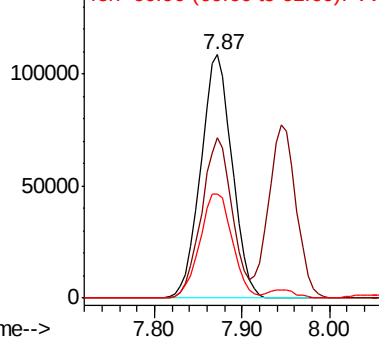
97 100

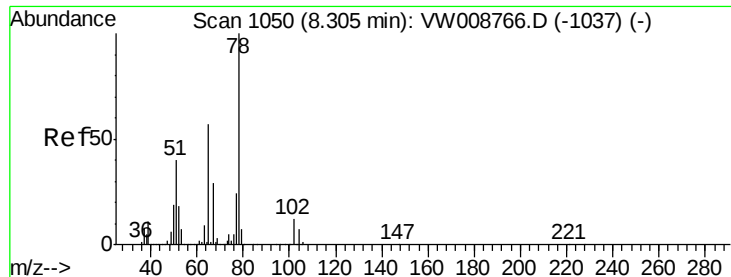
99 64.1 50.8 76.2

61 44.6 36.0 54.0



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

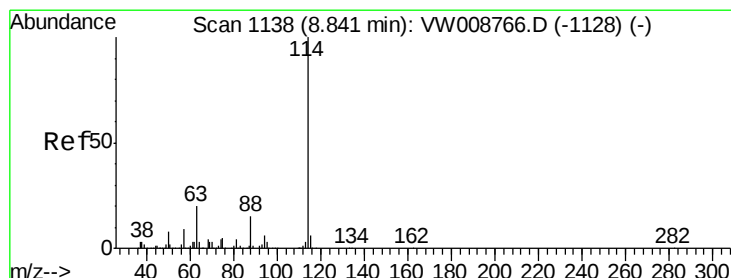
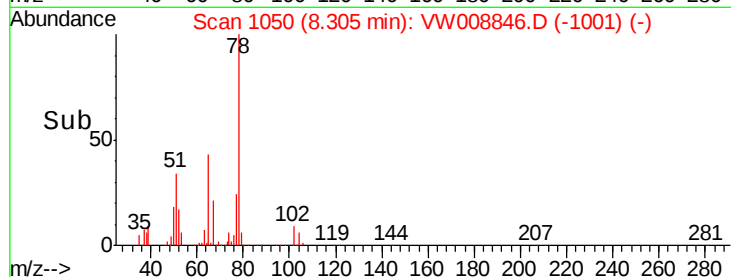
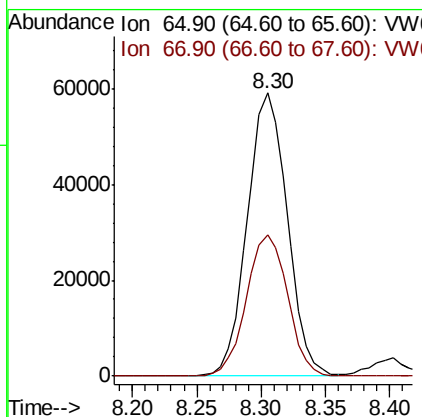
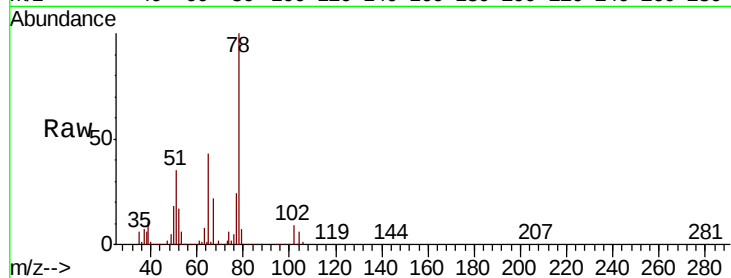




#33
 1,2-Dichloroethane-d4
 Concen: 43.543 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW008846.D
 Acq: 27 Feb 2019 11:02

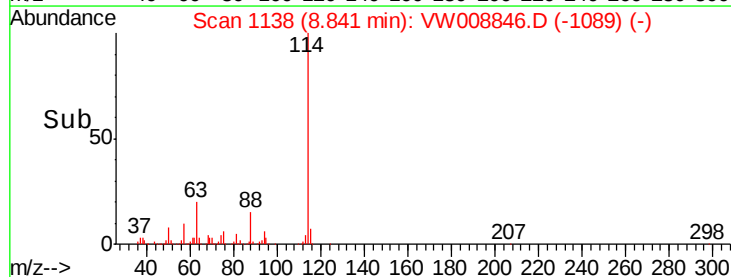
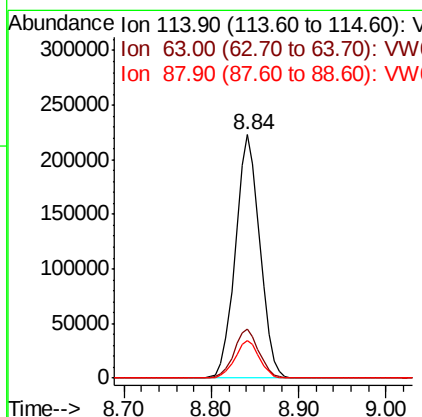
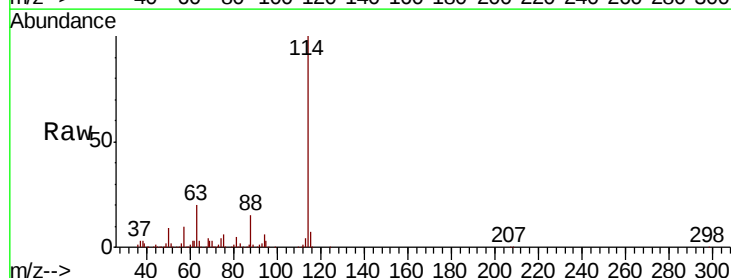
Instrument :
 MSVOA_W
 ClientSampleId :

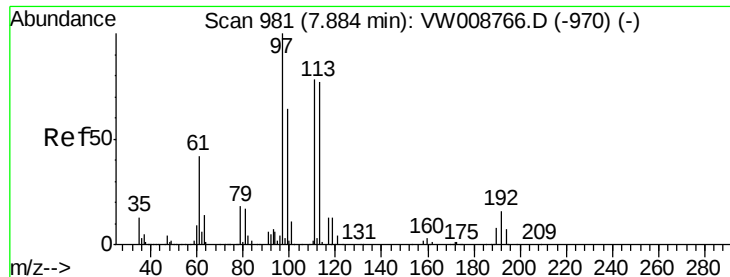
Tot Ion: 65 Resp: 126911
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008846.D
 Acq: 27 Feb 2019 11:02

Tgt Ion: 114 Resp: 432411
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 40.8
 88 15.2 0.0 30.4





#35

Dibromofluoromethane

Concen: 47.560 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW008846.D

Acq: 27 Feb 2019 11:02

Instrument :
MSVOA_W
ClientSampleId :

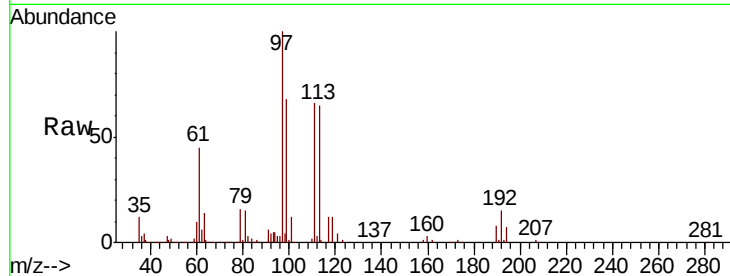
Tot Ion:113 Resp: 123478

Ion Ratio Lower Upper

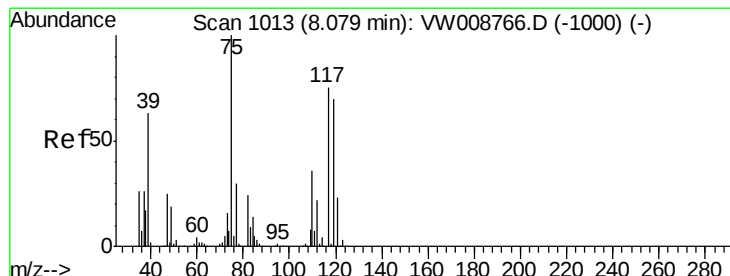
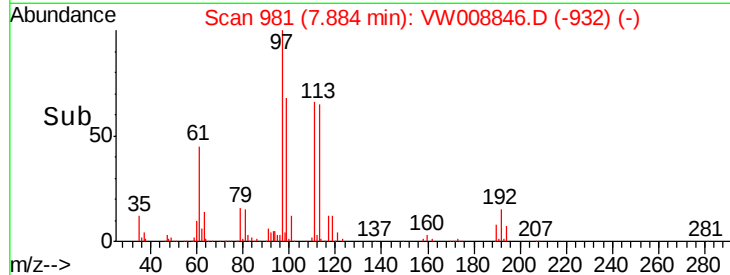
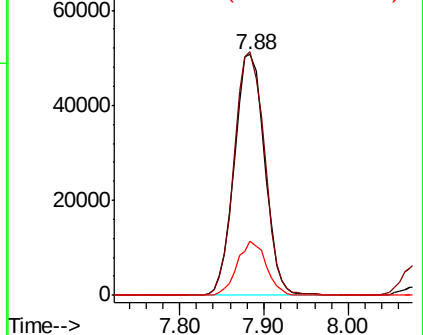
113 100

111 101.1 81.9 122.9

192 21.4 17.1 25.7



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: 55.376 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW008846.D

Acq: 27 Feb 2019 11:02

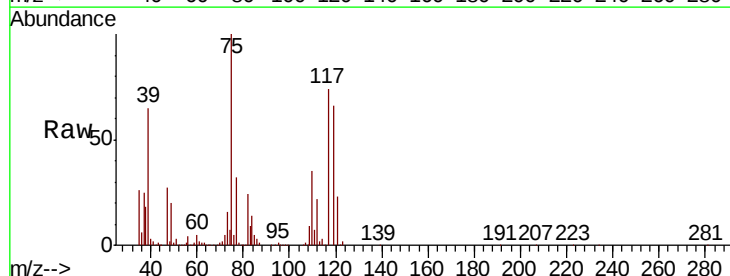
Tgt Ion: 75 Resp: 233093

Ion Ratio Lower Upper

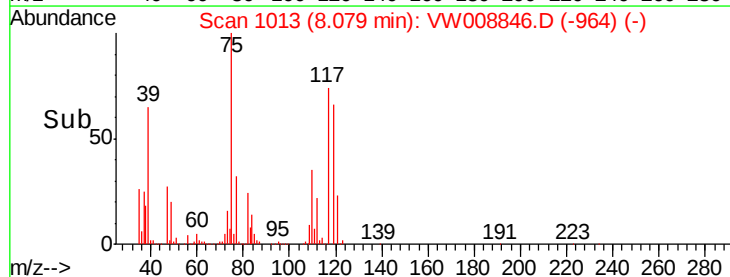
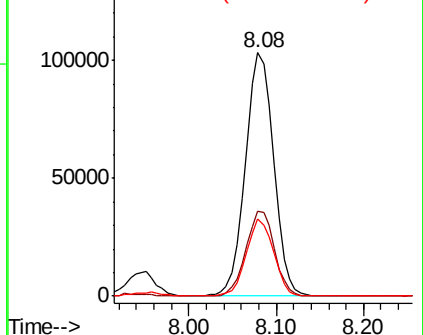
75 100

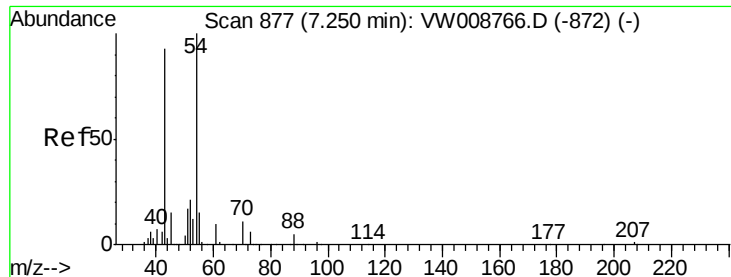
110 35.0 17.5 52.6

77 30.8 24.5 36.7



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

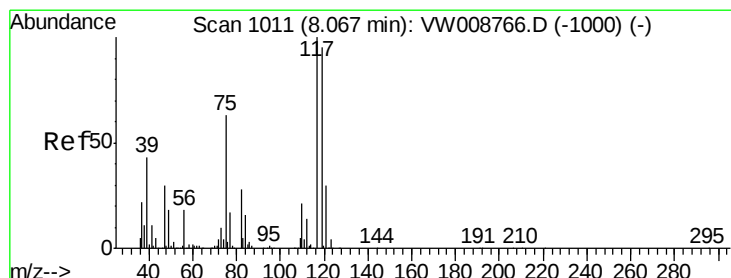
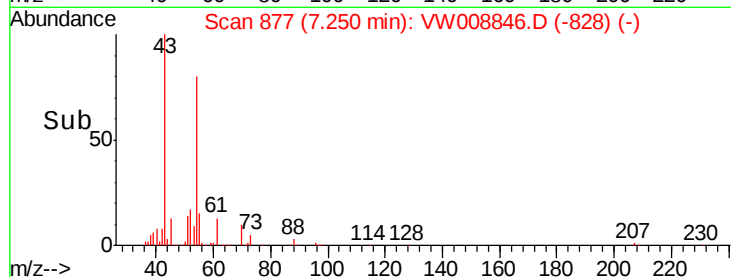
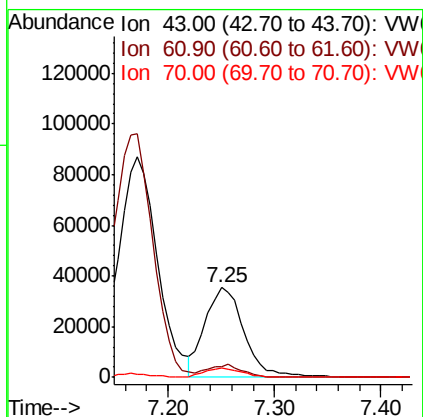
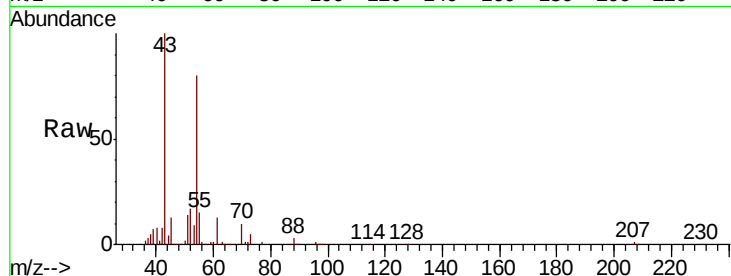




#37
Ethyl Acetate
Concen: 45.305 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW008846.D
Acq: 27 Feb 2019 11:02

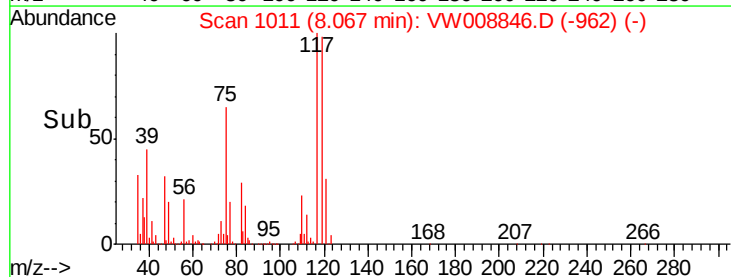
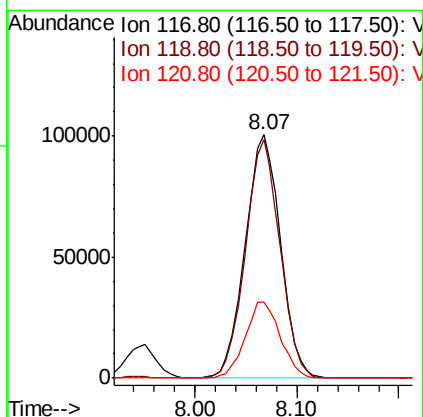
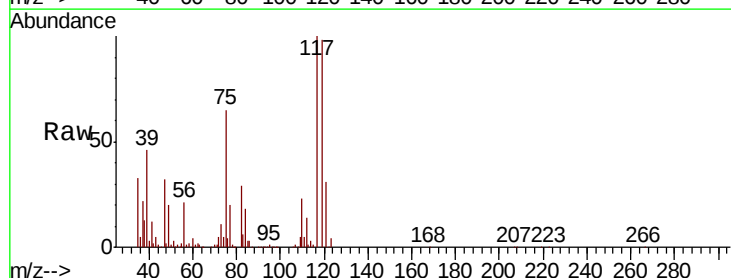
Instrument :
MSVOA_W
ClientSampleId :

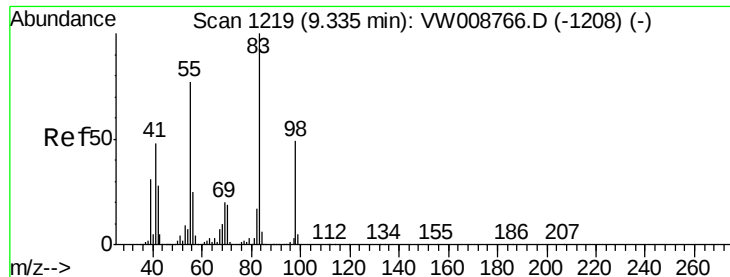
Tot Ion: 43 Resp: 88680
Ion Ratio Lower Upper
43 100
61 12.8 9.8 14.8
70 10.1 8.4 12.6



#38
Carbon Tetrachloride
Concen: 54.438 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW008846.D
Acq: 27 Feb 2019 11:02

Tgt Ion: 117 Resp: 241652
Ion Ratio Lower Upper
117 100
119 98.0 76.1 114.1
121 31.3 24.0 36.0

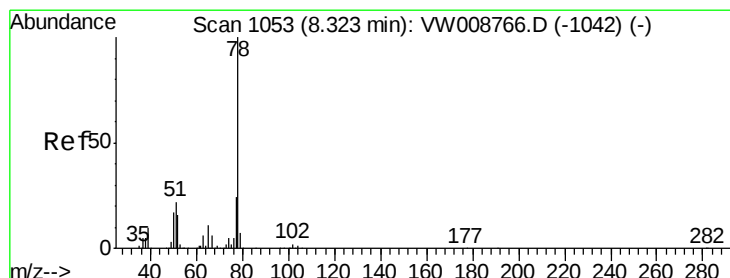
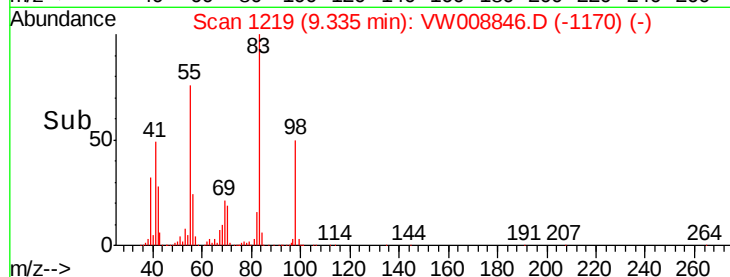
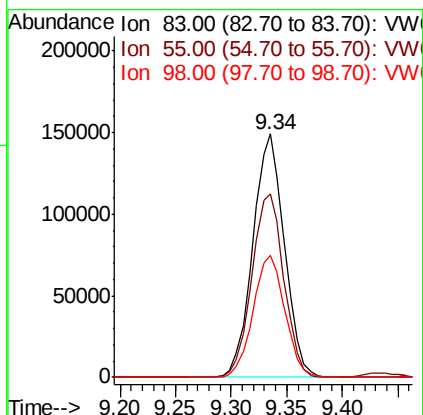
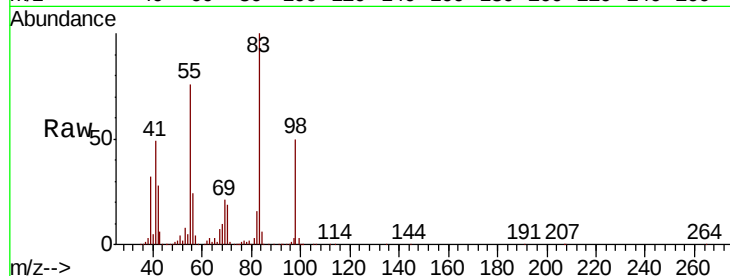




#39
Methvlcvclohexane
Concen: 55.930 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW008846.D
Acq: 27 Feb 2019 11:02

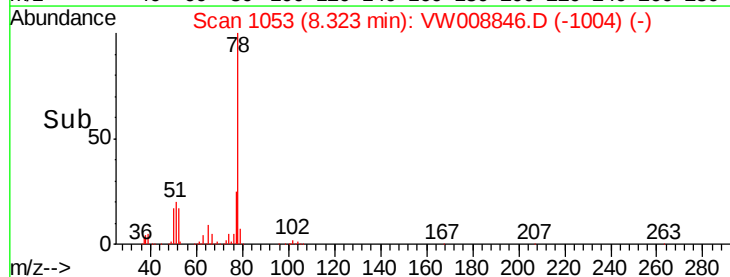
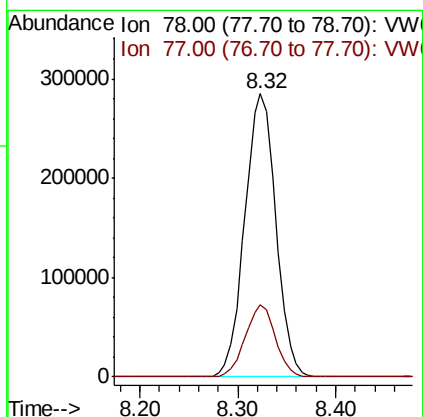
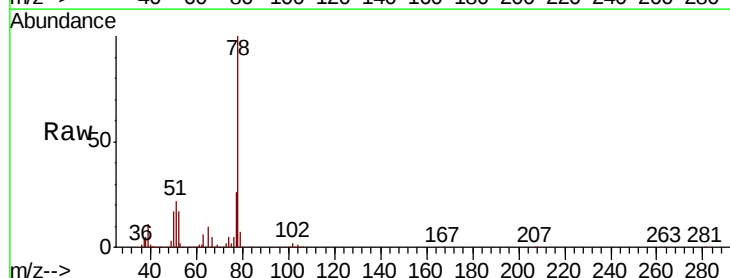
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.6	61.2	91.8
98	50.0	39.4	59.2



#40
Benzene
Concen: 54.701 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW008846.D
Acq: 27 Feb 2019 11:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.5	19.3	28.9

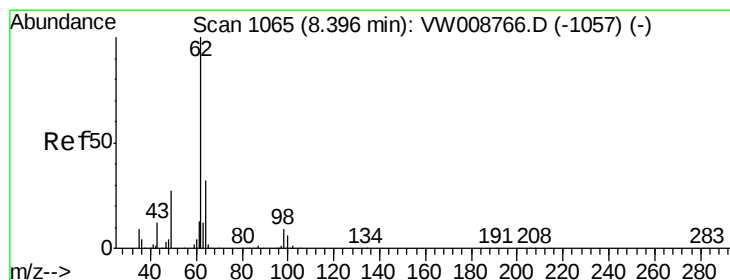
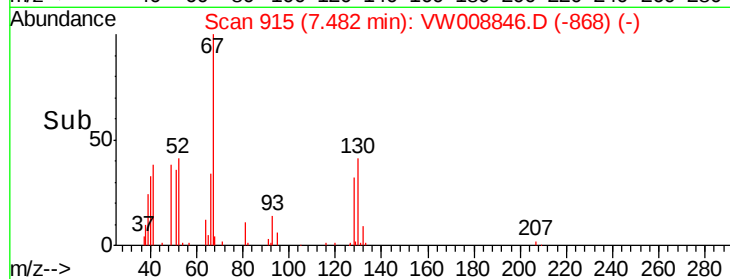
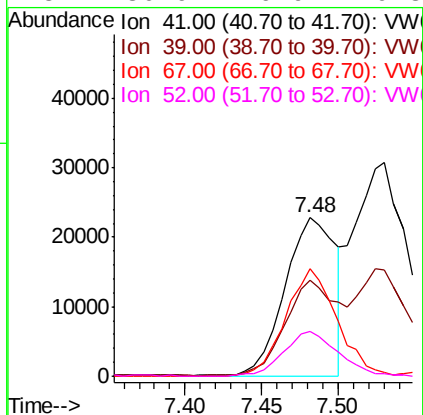
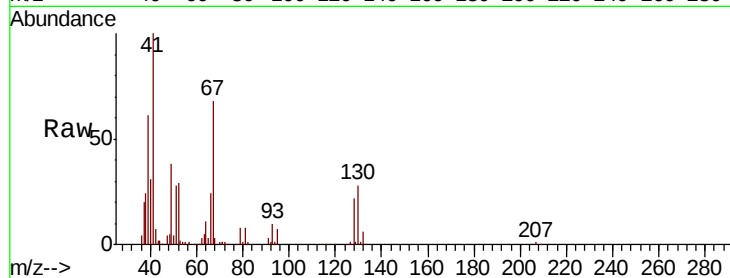




#41
Methacrylonitrile
Concen: 45.379 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.01 min
Lab File: VW008846.D
Acq: 27 Feb 2019 11:02

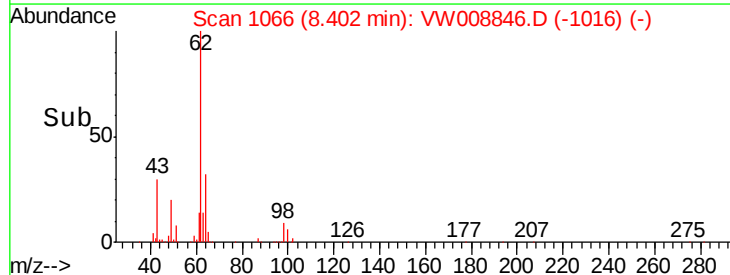
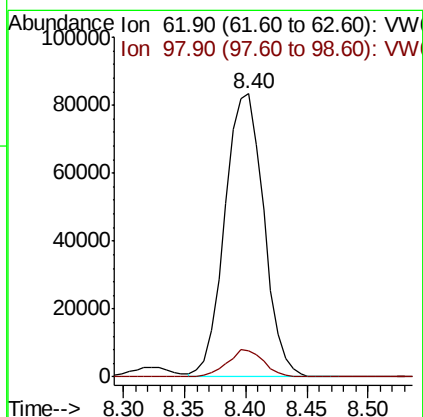
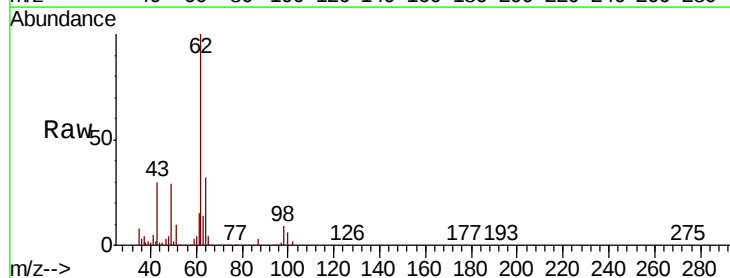
Instrument :
MSVOA_W
ClientSampled :

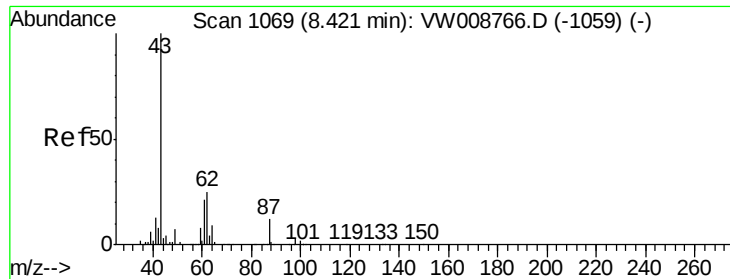
Tot Ion:	41	Resp:	52212
Ion	Ratio	Lower	Upper
41	100		
39	66.3	52.5	78.7
67	69.8	55.0	82.6
52	30.9	26.9	40.3



#42
1,2-Dichloroethane
Concen: 50.528 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW008846.D
Acq: 27 Feb 2019 11:02

Tgt Ion:	62	Resp:	183952
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.2



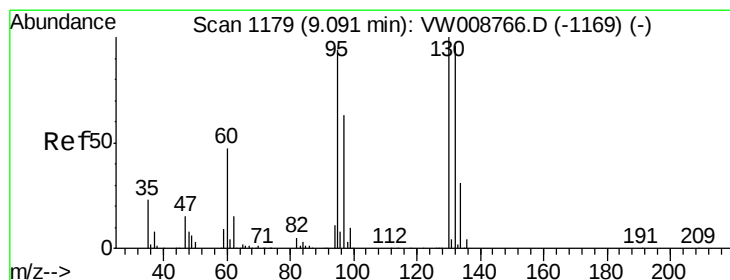
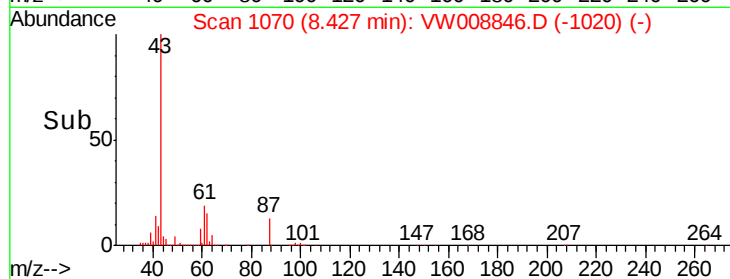
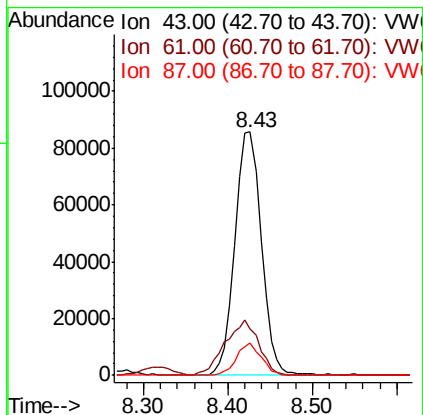
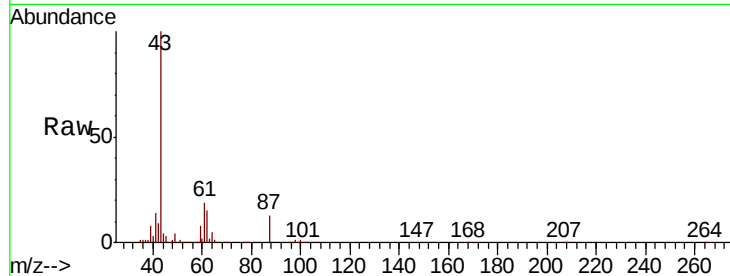


#43

Isopropyl Acetate
 Concen: 46.463 ug/l
 RT: 8.43 min Scan# 1070
 Delta R.T. 0.01 min
 Lab File: VW008846.D
 Acq: 27 Feb 2019 11:02

Instrument :
 MSVOA_W
 ClientSampleId :

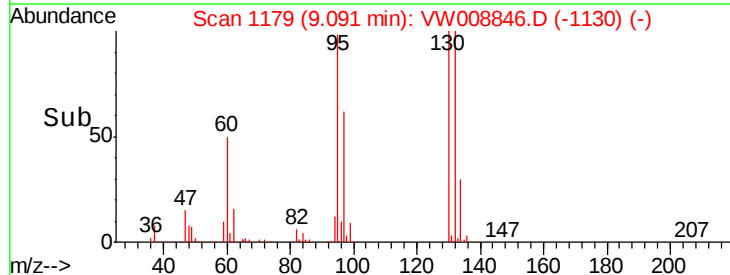
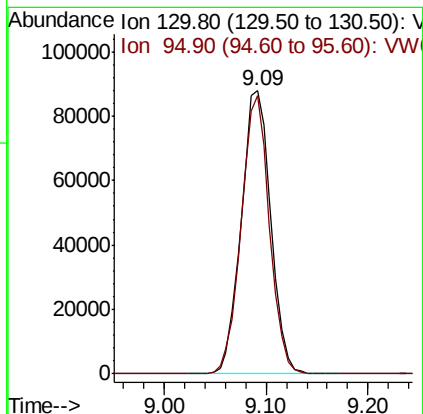
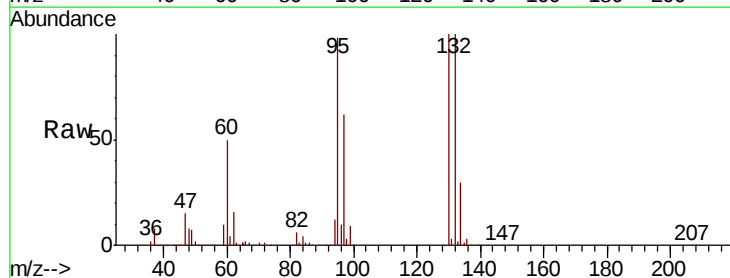
Tot Ion: 43 Resp: 181514
 Ion Ratio Lower Upper
 43 100
 61 29.0 23.2 34.8
 87 12.4 9.9 14.9

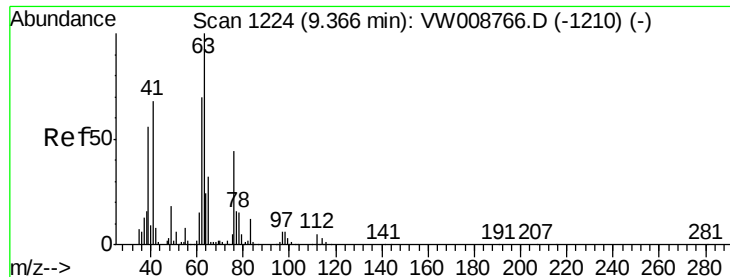


#44

Trichloroethene
 Concen: 54.594 ug/l
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW008846.D
 Acq: 27 Feb 2019 11:02

Tgt Ion: 130 Resp: 176751
 Ion Ratio Lower Upper
 130 100
 95 98.3 0.0 188.6





#45

1,2-Dichloropropane

Concen: 52.988 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW008846.D

Acq: 27 Feb 2019 11:02

Instrument :

MSVOA_W

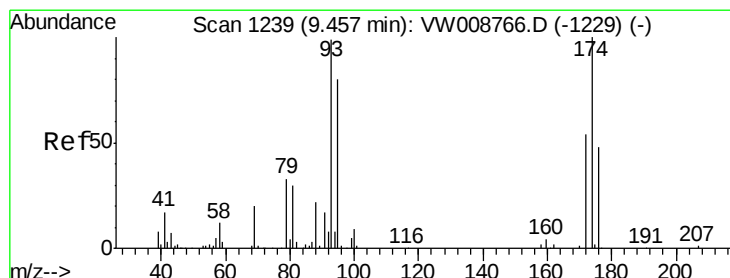
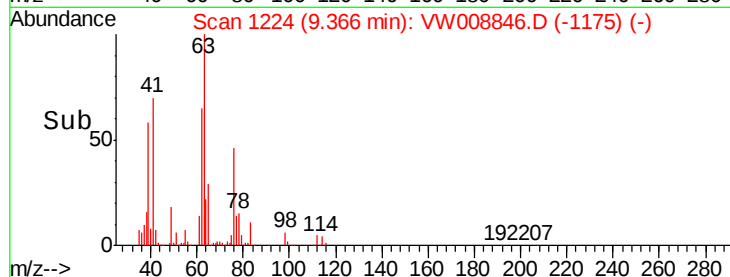
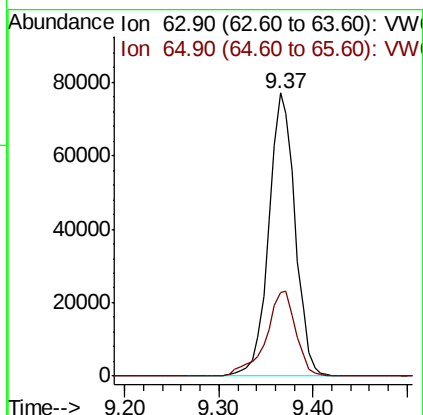
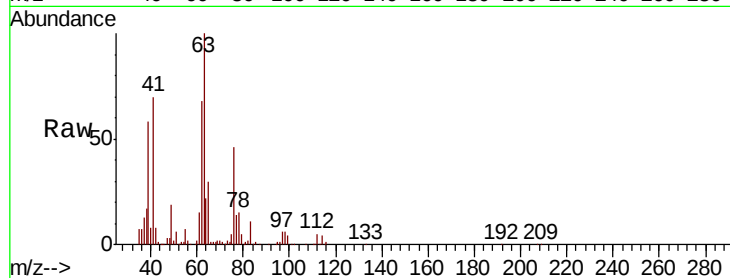
ClientSampleId :

Tot Ion: 63 Resp: 150484

Ion Ratio Lower Upper

63 100

65 29.7 25.5 38.3



#46

Dibromomethane

Concen: 50.646 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW008846.D

Acq: 27 Feb 2019 11:02

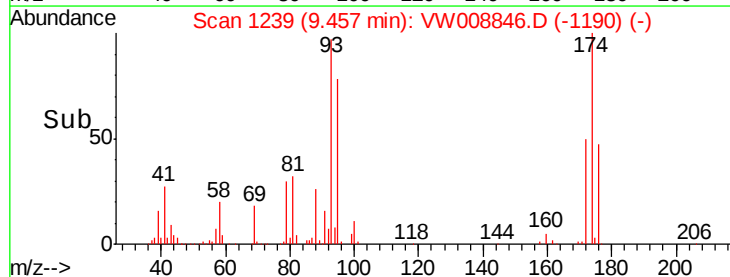
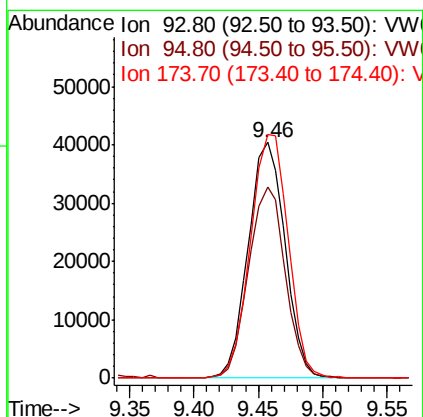
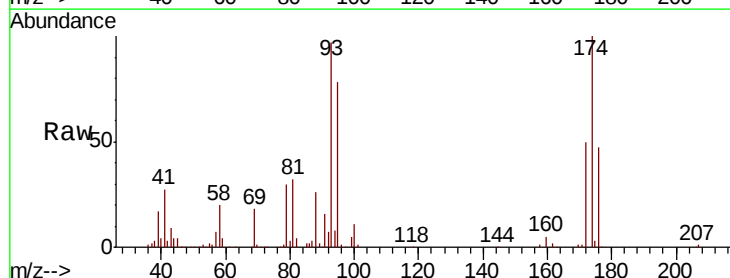
Tgt Ion: 93 Resp: 80006

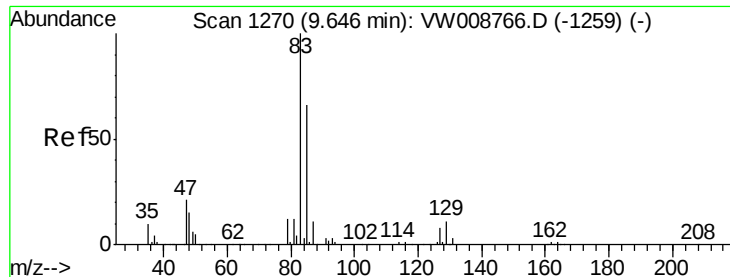
Ion Ratio Lower Upper

93 100

95 81.0 67.7 101.5

174 106.0 86.7 130.1





#47

Bromodichloromethane

Concen: 53.667 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW008846.D

Acq: 27 Feb 2019 11:02

Instrument :

MSVOA_W

ClientSampleId :

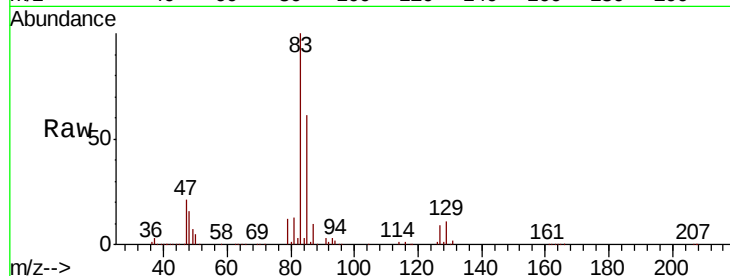
Tot Ion: 83 Resp: 206267

Ion Ratio Lower Upper

83 100

85 61.3 52.5 78.7

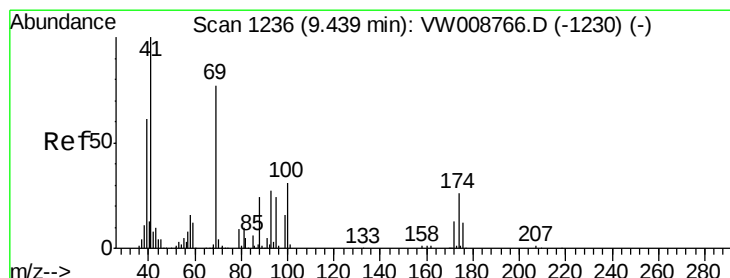
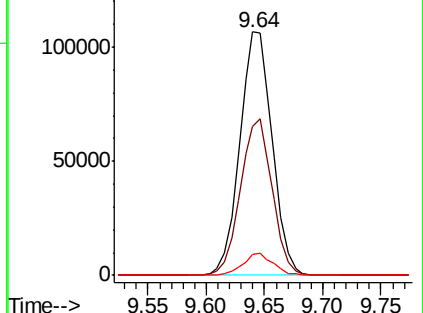
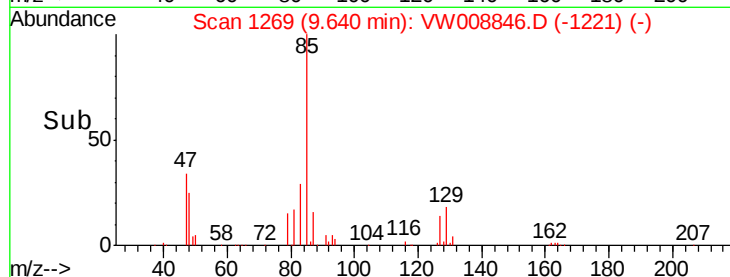
127 8.5 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 46.759 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VW008846.D

Acq: 27 Feb 2019 11:02

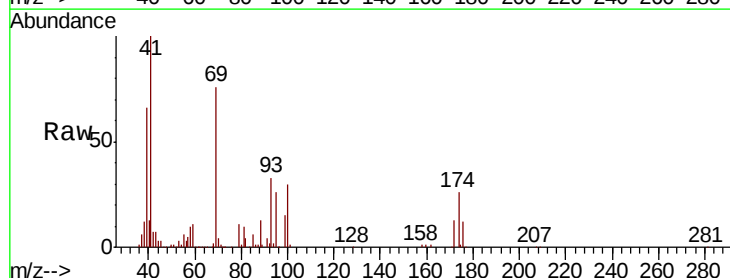
Tgt Ion: 41 Resp: 87488

Ion Ratio Lower Upper

41 100

69 81.8 63.6 95.4

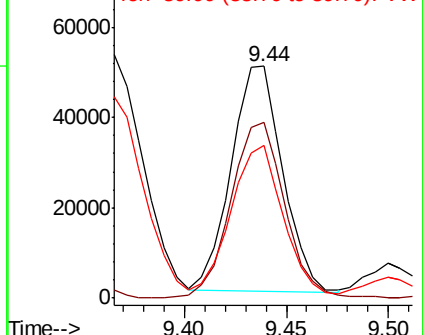
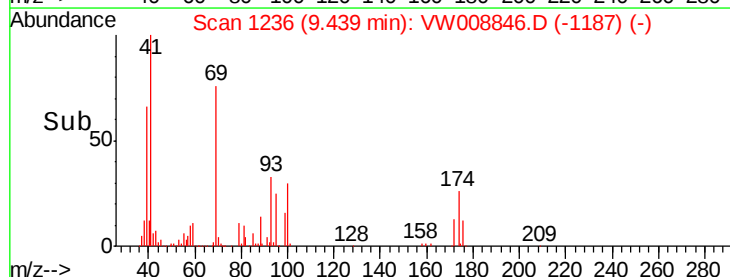
39 65.3 52.1 78.1

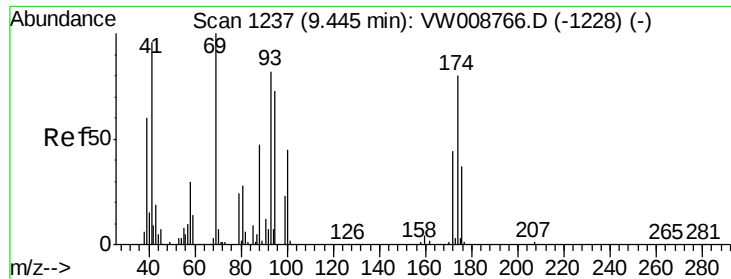


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

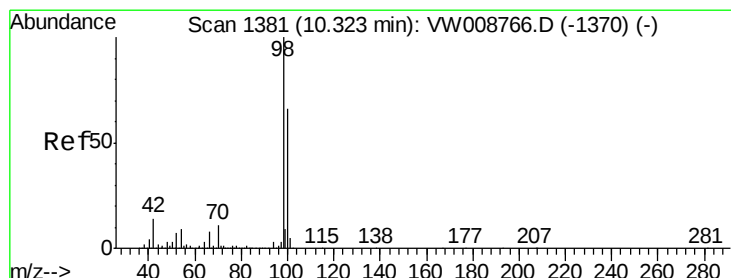
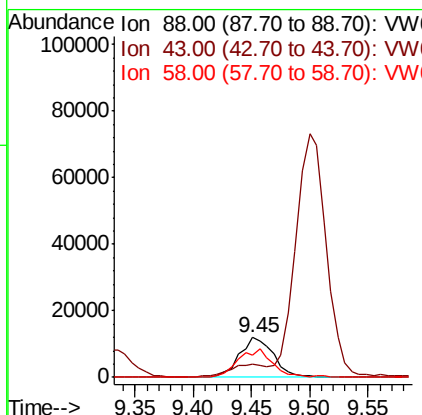
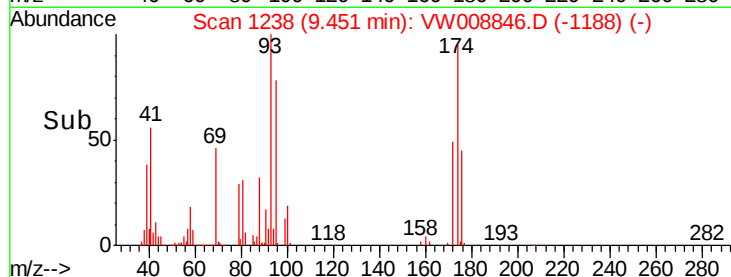
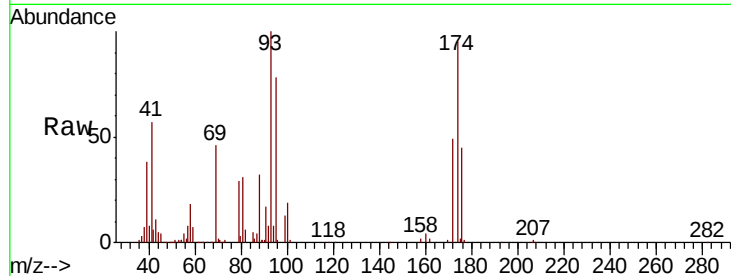




#49
1,4-Dioxane
Concen: 973.971 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW008846.D
Acq: 27 Feb 2019 11:02

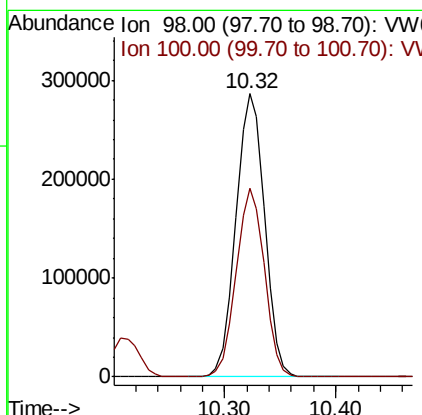
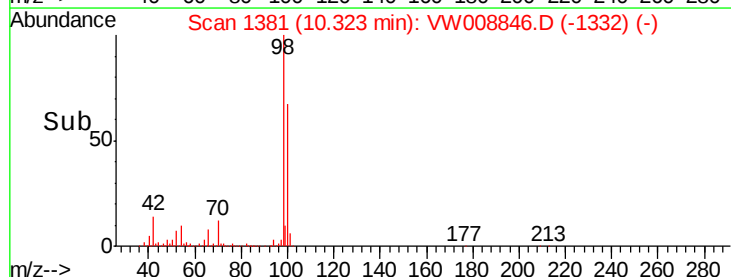
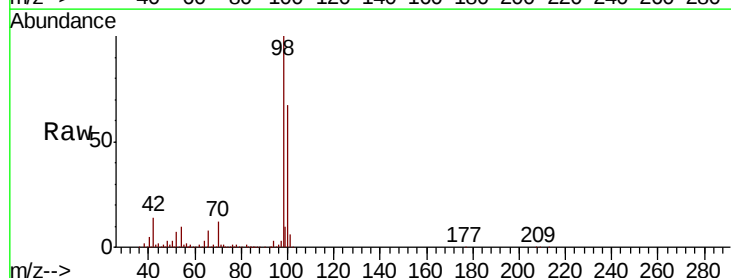
Instrument :
MSVOA_W
ClientSampled :

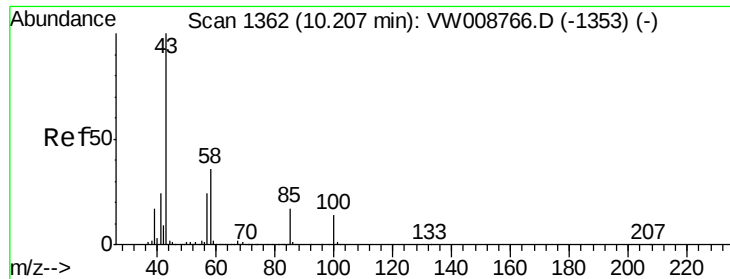
Tot Ion: 88 Resp: 24639
Ion Ratio Lower Upper
88 100
43 34.5 29.0 43.4
58 72.3 52.0 78.0



#50
Toluene-d8
Concen: 50.868 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008846.D
Acq: 27 Feb 2019 11:02

Tgt Ion: 98 Resp: 509809
Ion Ratio Lower Upper
98 100
100 65.5 52.4 78.6





#51

4-Methyl-2-Pentanone

Concen: 233.678 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW008846.D

Acq: 27 Feb 2019 11:02

Instrument :

MSVOA_W

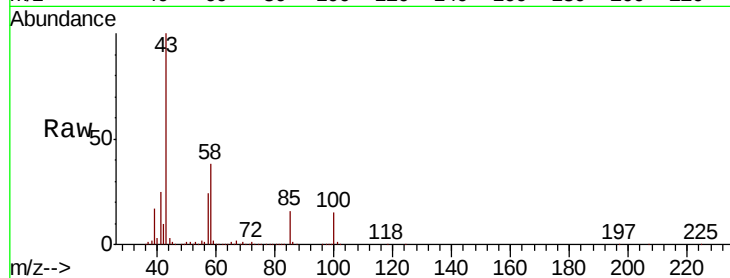
ClientSampled :

Tot Ion: 43 Resp: 463470

Ion Ratio Lower Upper

43 100

58 37.4 29.1 43.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

250000

200000

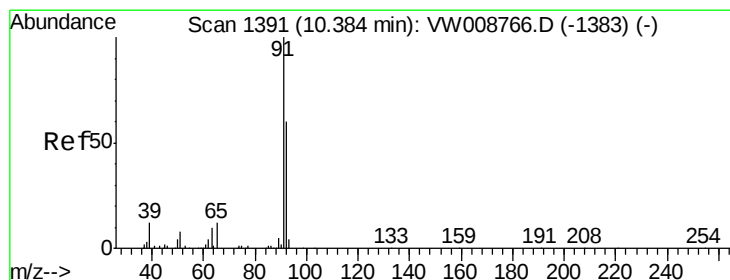
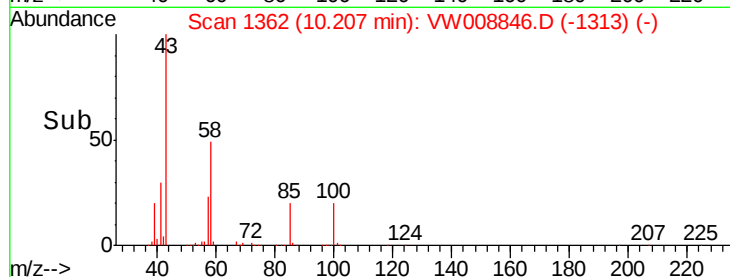
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 56.395 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW008846.D

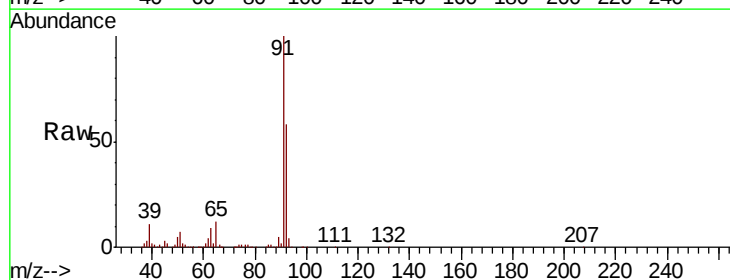
Acq: 27 Feb 2019 11:02

Tgt Ion: 92 Resp: 439863

Ion Ratio Lower Upper

92 100

91 171.5 136.9 205.3



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

500000

400000

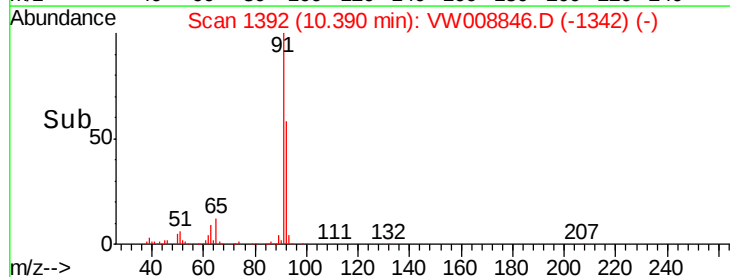
300000

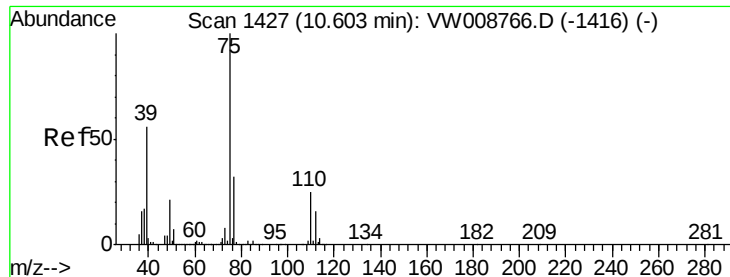
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 52.715 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW008846.D

Acq: 27 Feb 2019 11:02

Instrument :

MSVOA_W

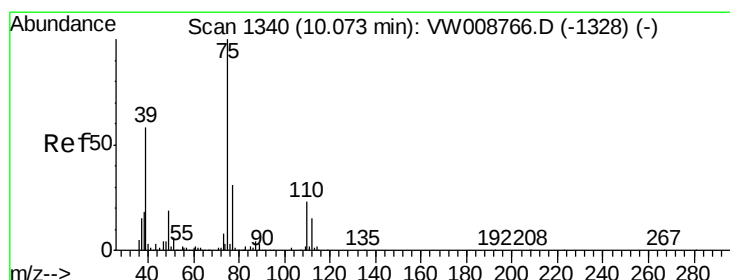
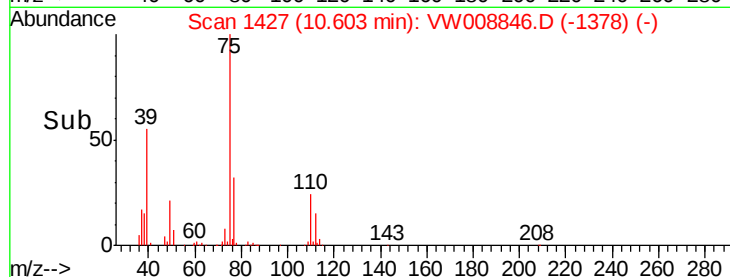
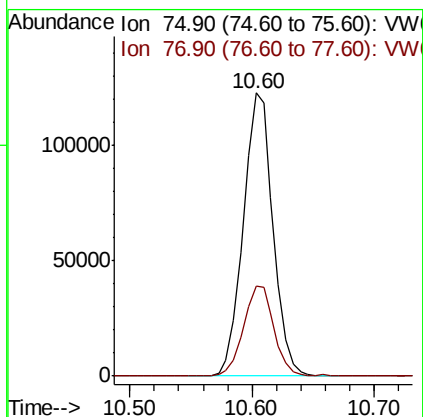
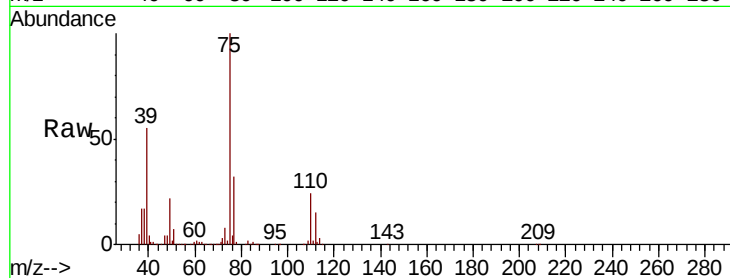
ClientSampled :

Tot Ion: 75 Resp: 206509

Ion Ratio Lower Upper

75 100

77 31.8 26.1 39.1



#54

cis-1,3-Dichloropropene

Concen: 54.418 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW008846.D

Acq: 27 Feb 2019 11:02

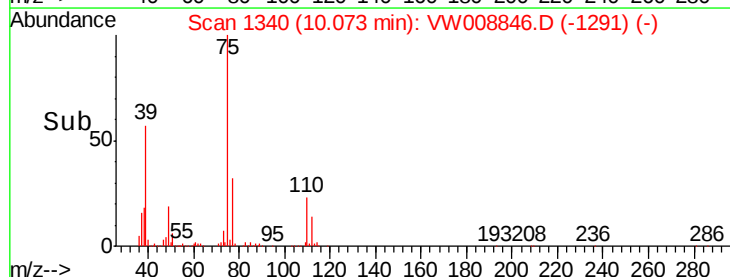
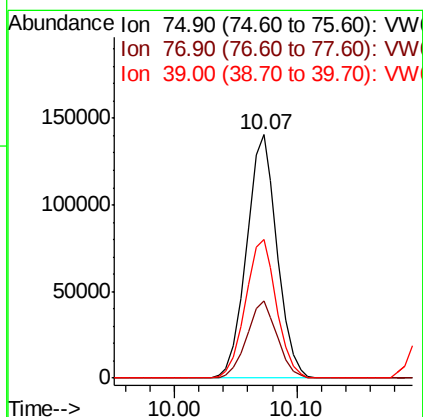
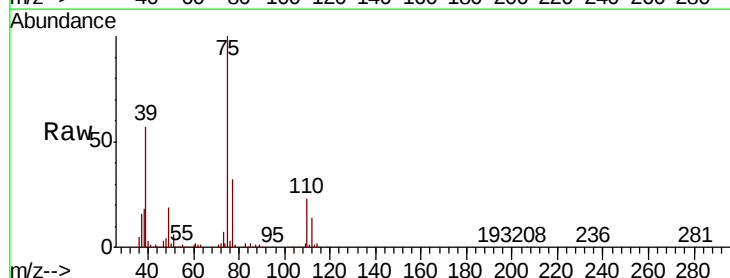
Tgt Ion: 75 Resp: 243137

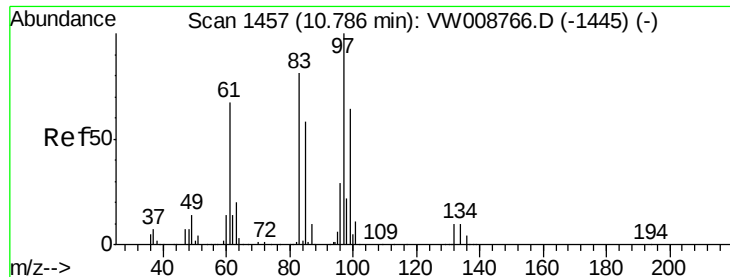
Ion Ratio Lower Upper

75 100

77 31.9 25.0 37.4

39 57.0 46.6 70.0

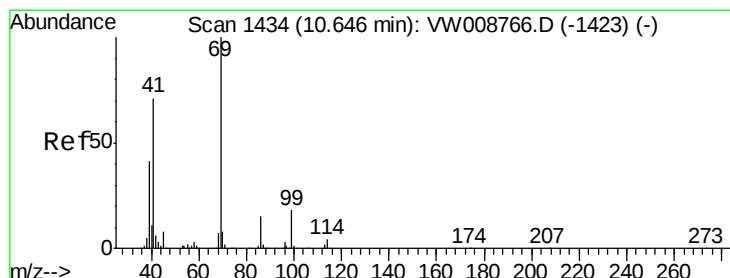
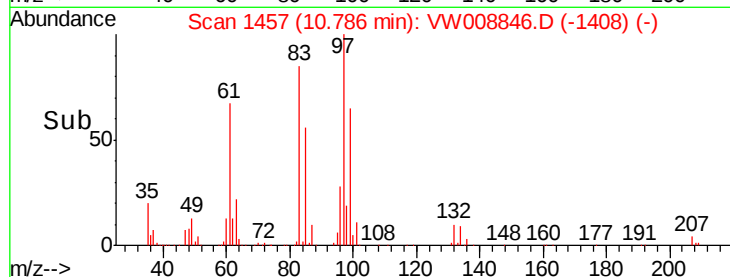
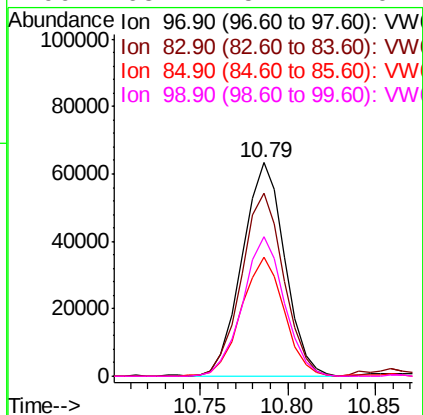
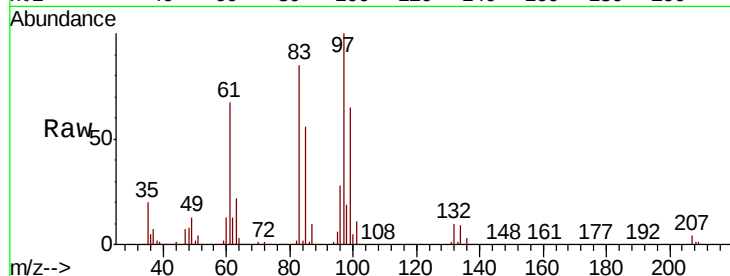




#55
 1,1,2-Trichloroethane
 Concen: 50.521 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW008846.D
 Acq: 27 Feb 2019 11:02

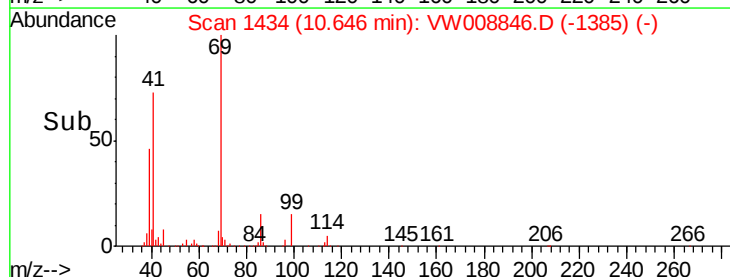
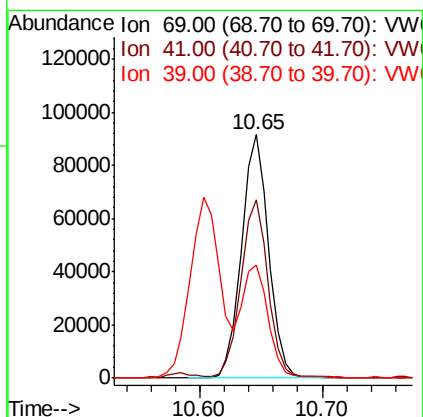
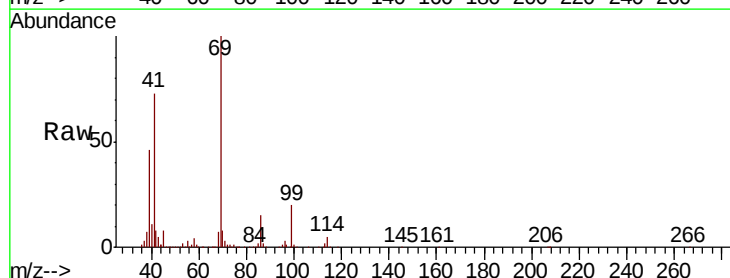
Instrument :
 MSVOA_W
 ClientSampleId :

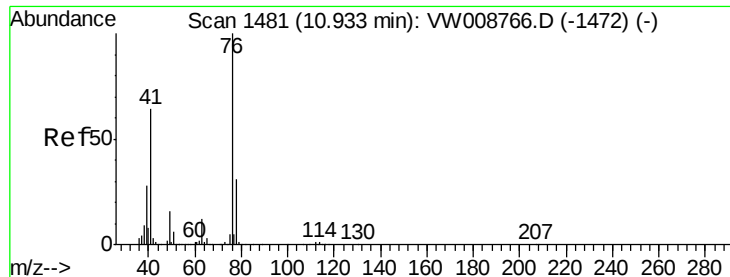
Tot Ion:	97	Resp:	108233
Ion	Ratio	Lower	Upper
97	100		
83	85.4	65.0	97.6
85	55.5	46.0	69.0
99	65.4	51.1	76.7



#56
 Ethyl methacrylate
 Concen: 50.456 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW008846.D
 Acq: 27 Feb 2019 11:02

Tgt Ion:	69	Resp:	140436
Ion	Ratio	Lower	Upper
69	100		
41	73.5	57.4	86.0
39	44.3	34.8	52.2





#57

1,3-Dichloropropane

Concen: 50.491 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW008846.D

Acq: 27 Feb 2019 11:02

Instrument :

MSVOA_W

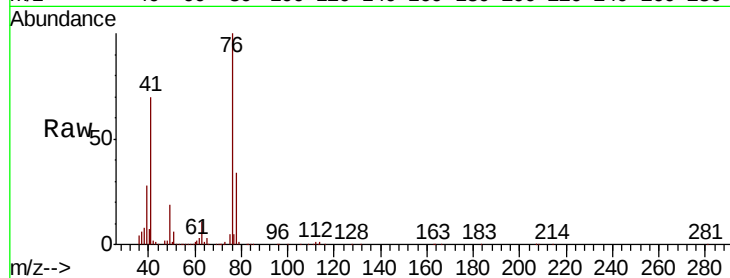
ClientSampleId :

Tot Ion: 76 Resp: 190982

Ion Ratio Lower Upper

76 100

78 32.4 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

10.93

120000

100000

80000

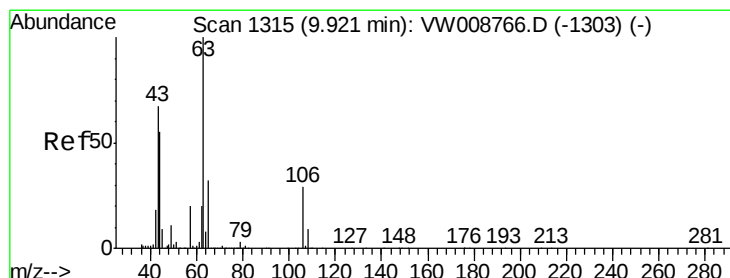
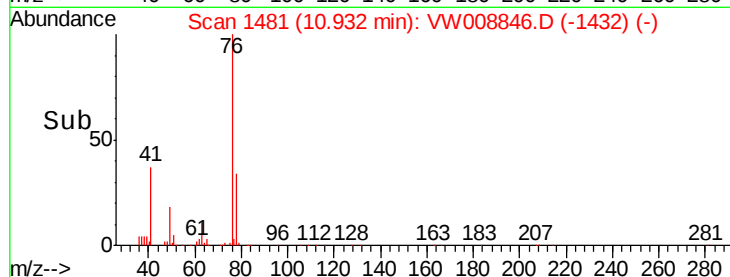
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 246.059 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW008846.D

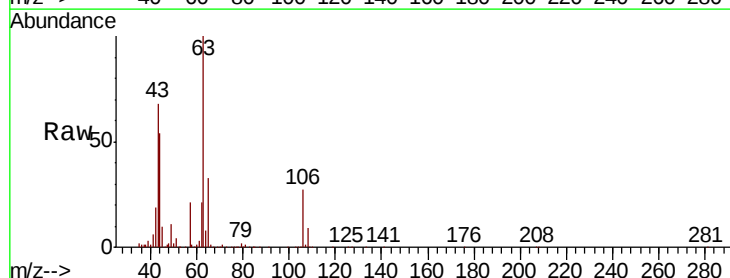
Acq: 27 Feb 2019 11:02

Tgt Ion: 63 Resp: 344449

Ion Ratio Lower Upper

63 100

106 29.4 24.0 36.0



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V

9.92

200000

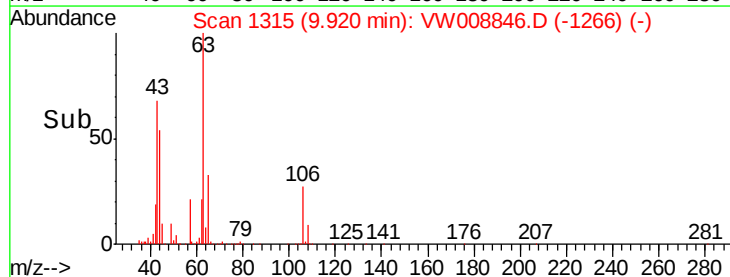
150000

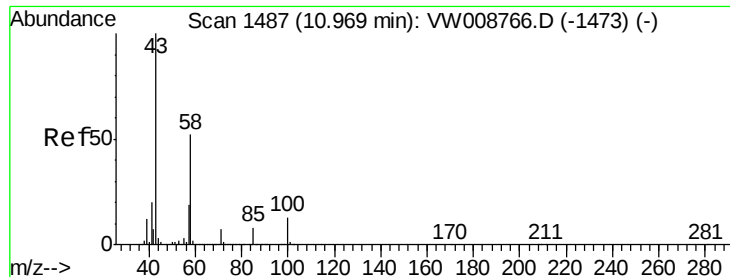
100000

50000

0

Time-->

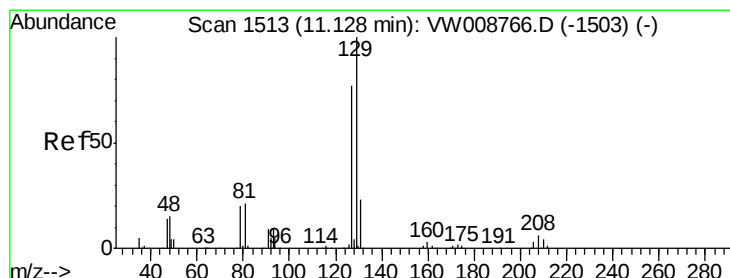
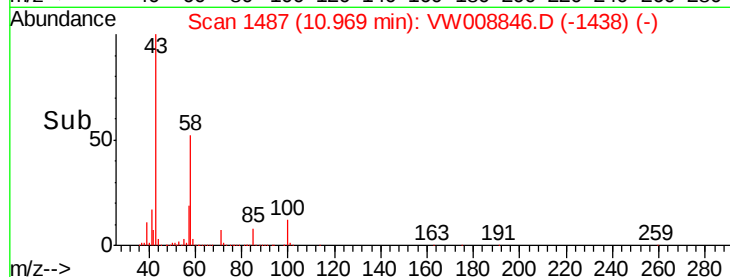
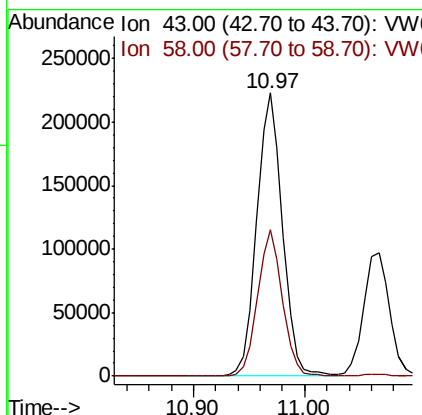
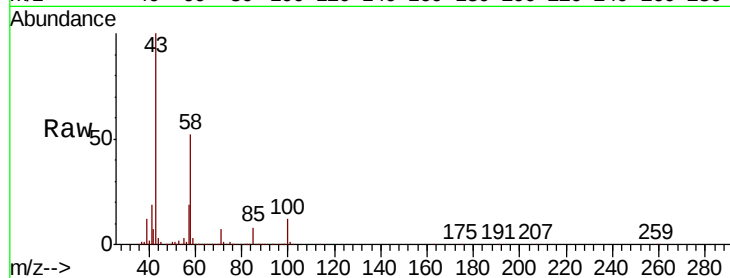




#59
2-Hexanone
Concen: 253.702 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW008846.D
Acq: 27 Feb 2019 11:02

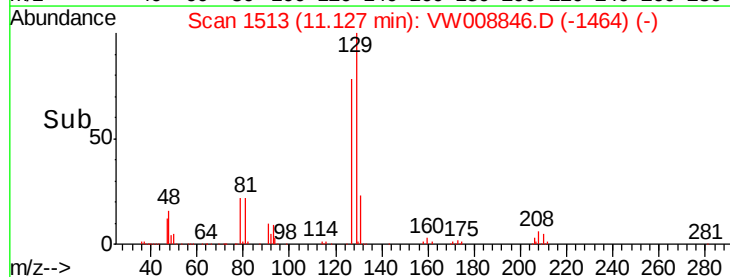
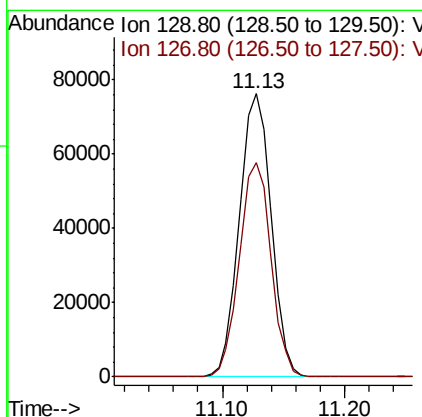
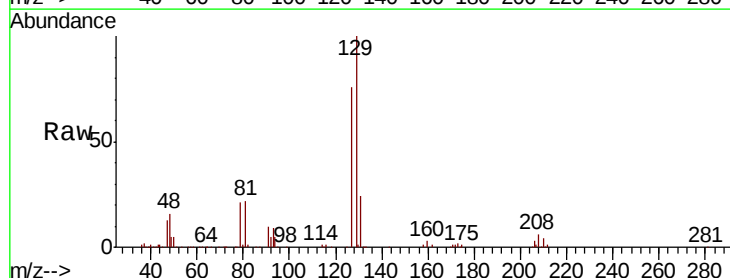
Instrument :
MSVOA_W
ClientSampled :

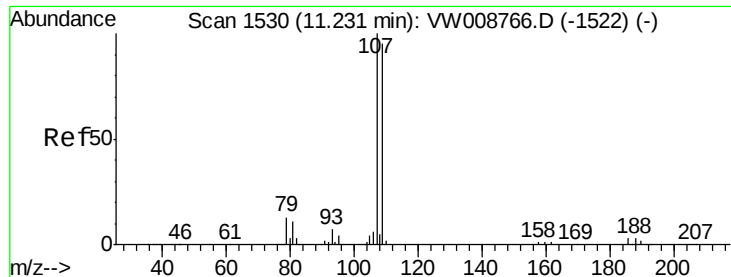
Tot Ion: 43 Resp: 358188
Ion Ratio Lower Upper
43 100
58 50.0 25.3 75.8



#60
Dibromochloromethane
Concen: 52.902 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW008846.D
Acq: 27 Feb 2019 11:02

Tgt Ion: 129 Resp: 138237
Ion Ratio Lower Upper
129 100
127 75.2 39.0 116.9

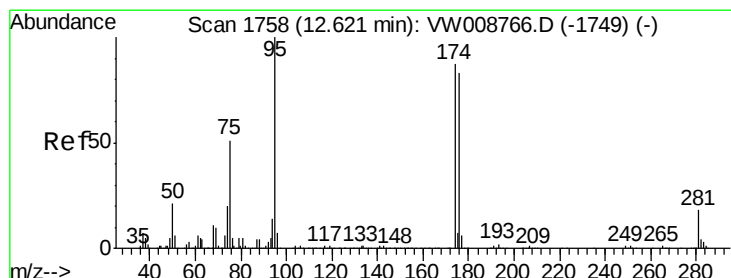
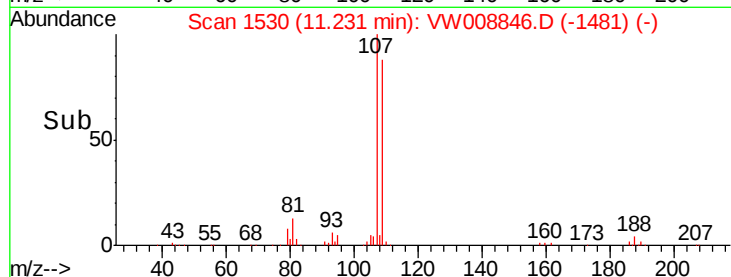
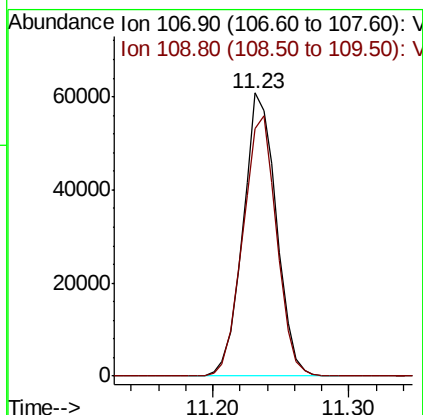
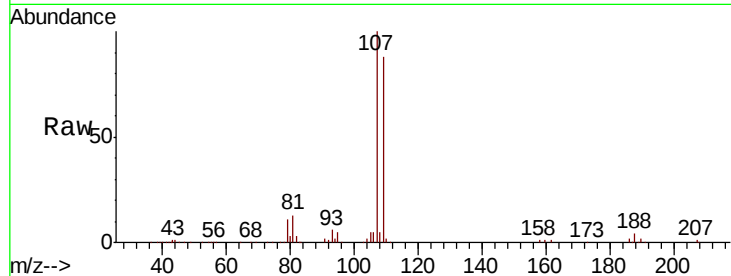




#61
 1,2-Dibromoethane
 Concen: 49.146 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW008846.D
 Acq: 27 Feb 2019 11:02

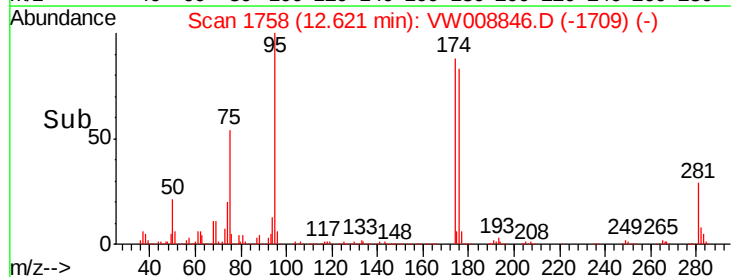
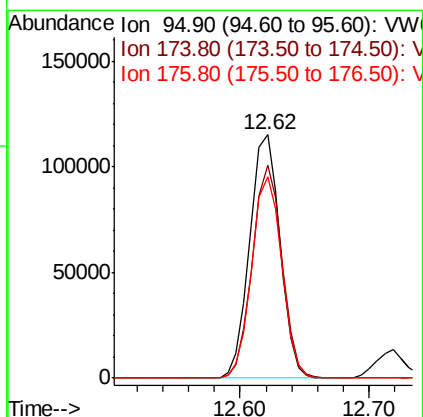
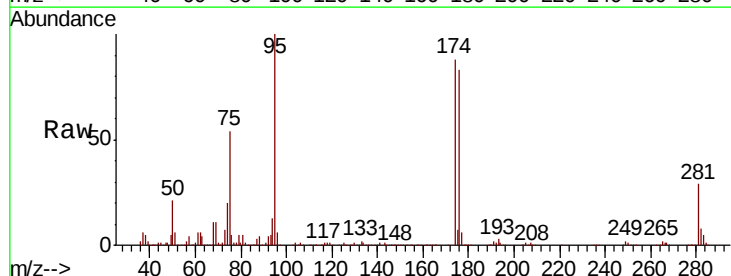
Instrument :
 MSVOA_W
 ClientSampleId :

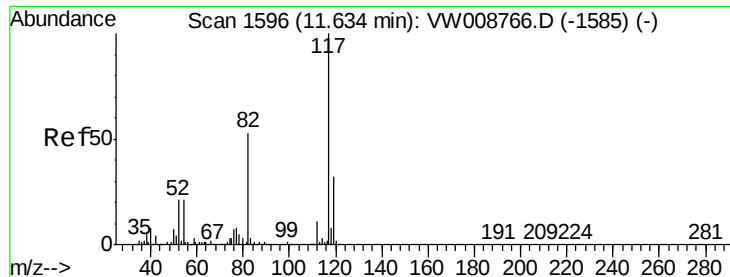
Tot Ion:107 Resp: 104217
 Ion Ratio Lower Upper
 107 100
 109 93.0 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 47.444 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW008846.D
 Acq: 27 Feb 2019 11:02

Tgt Ion: 95 Resp: 186177
 Ion Ratio Lower Upper
 95 100
 174 85.5 0.0 169.2
 176 82.2 0.0 163.6

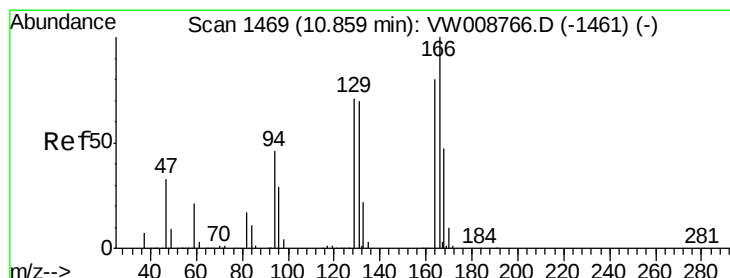
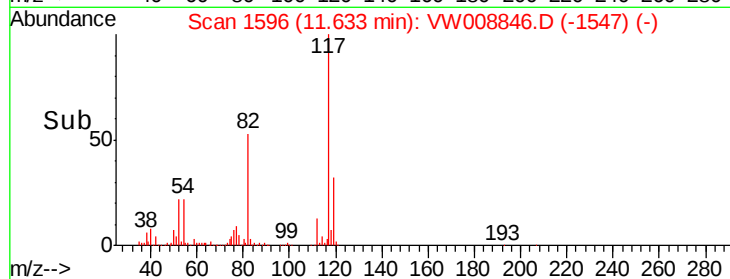
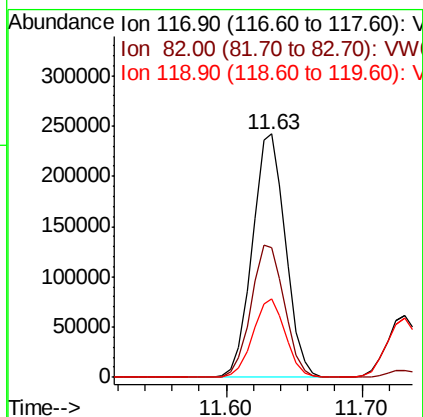
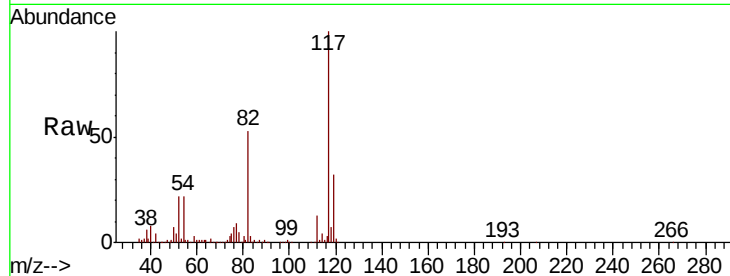




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008846.D
Acq: 27 Feb 2019 11:02

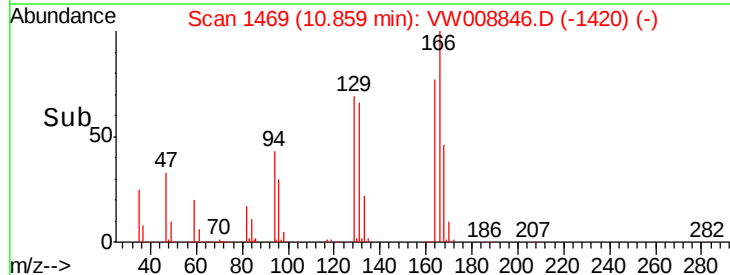
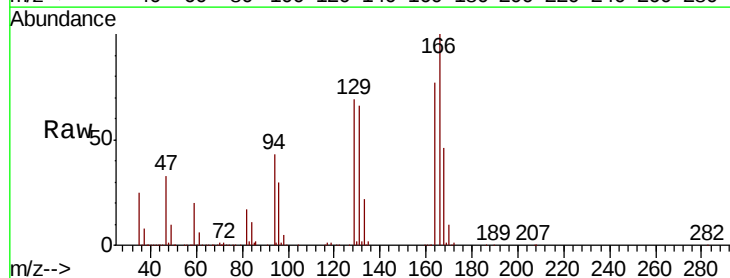
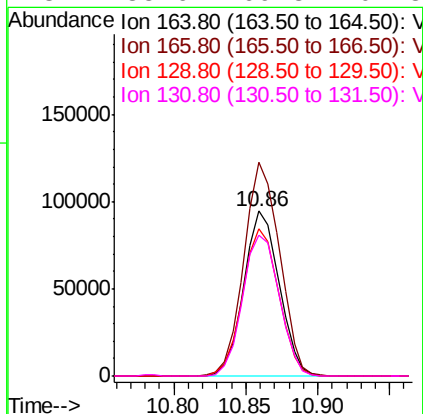
Instrument :
MSVOA_W
ClientSampleId :

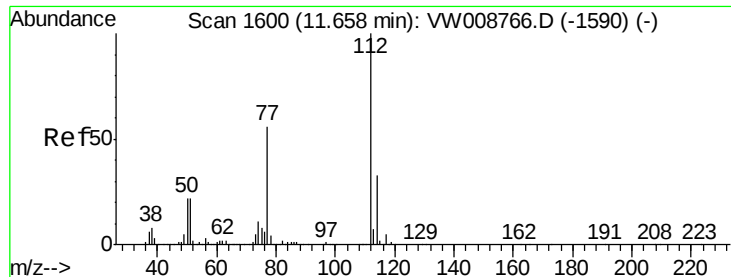
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	42.2	63.4
119	32.1	25.9	38.9



#64
Tetrachloroethene
Concen: 54.600 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW008846.D
Acq: 27 Feb 2019 11:02

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.7	99.5	149.3
129	89.4	71.1	106.7
131	85.6	69.8	104.8

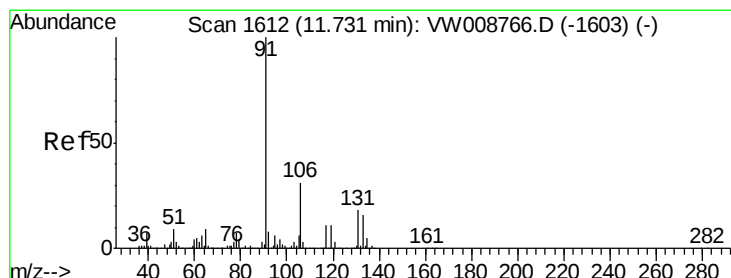
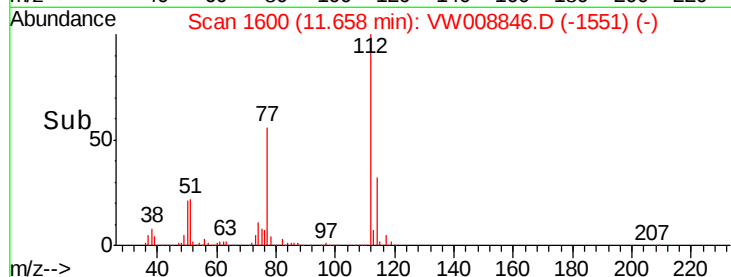
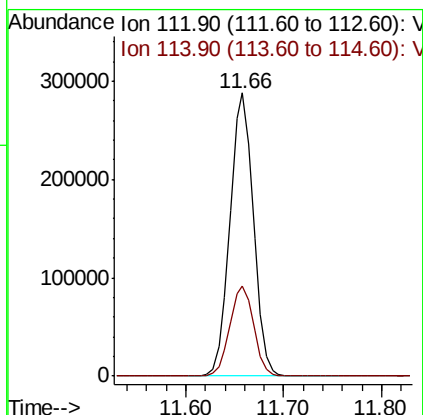
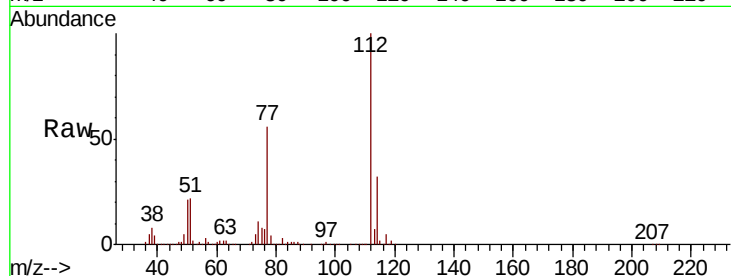




#65
Chlorobenzene
Concen: 55.067 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW008846.D
Acq: 27 Feb 2019 11:02

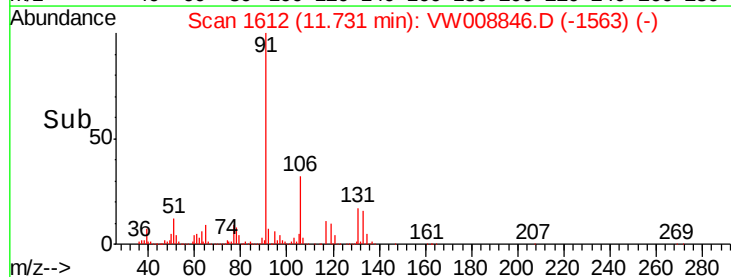
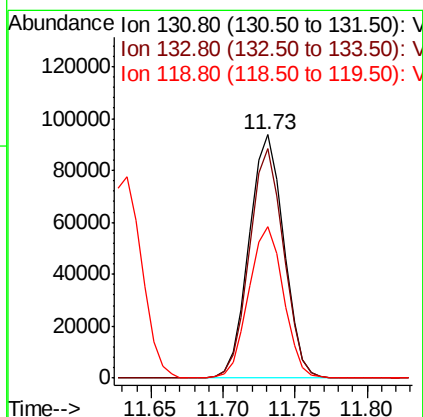
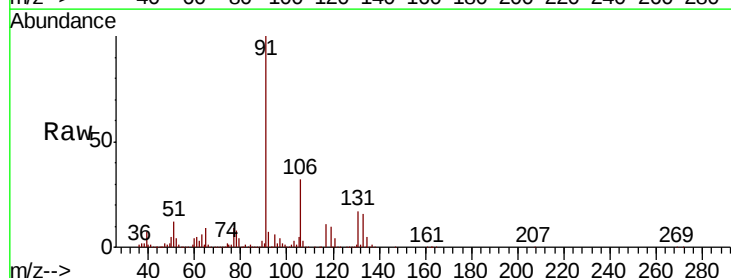
Instrument :
MSVOA_W
ClientSampleId :

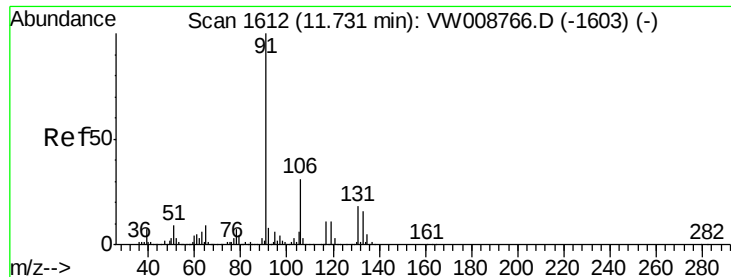
Tot Ion:112 Resp: 477512
Ion Ratio Lower Upper
112 100
114 32.0 26.6 40.0



#66
1,1,1,2-Tetrachloroethane
Concen: 53.293 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008846.D
Acq: 27 Feb 2019 11:02

Tgt Ion:131 Resp: 156259
Ion Ratio Lower Upper
131 100
133 93.4 46.7 140.0
119 62.2 30.8 92.4

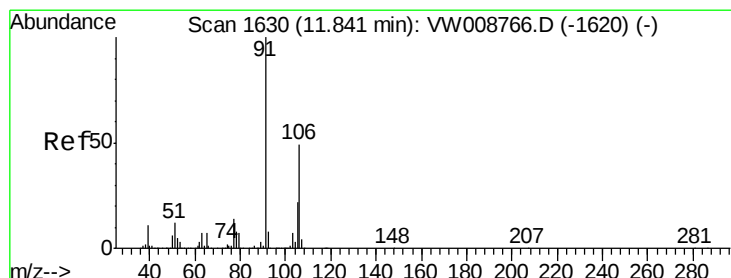
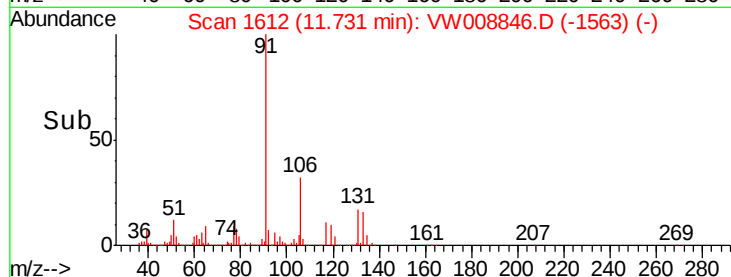
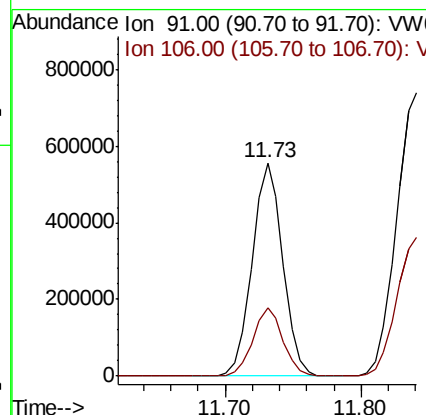
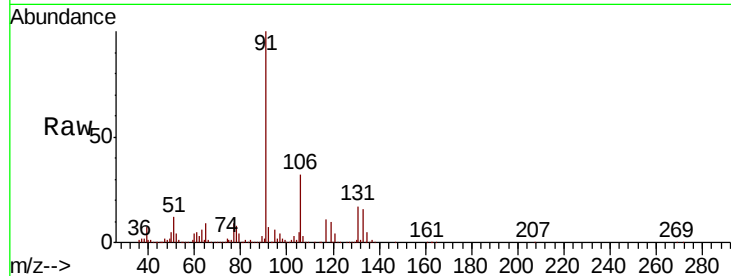




#67
Ethyl Benzene
Concen: 56.241 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008846.D
Acq: 27 Feb 2019 11:02

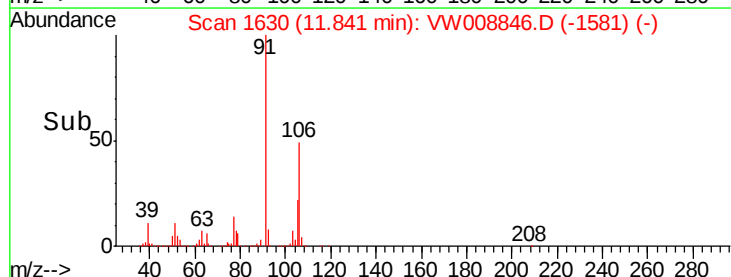
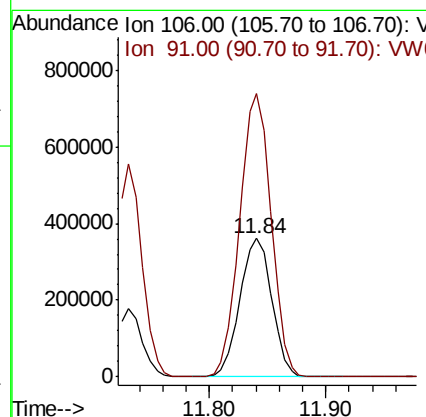
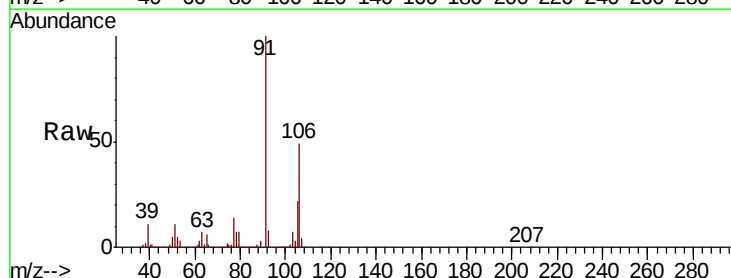
Instrument :
MSVOA_W
ClientSampled :

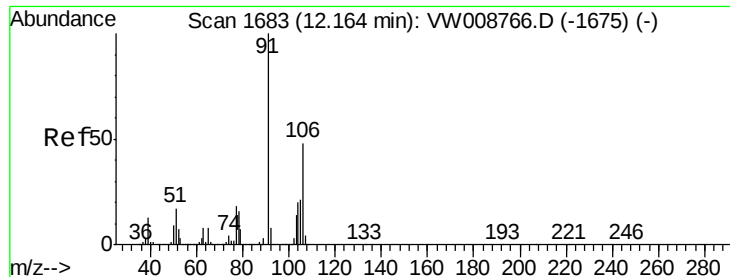
Tot Ion: 91 Resp: 871837
Ion Ratio Lower Upper
91 100
106 31.7 25.0 37.6



#68
m/p-Xylenes
Concen: 111.406 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW008846.D
Acq: 27 Feb 2019 11:02

Tgt Ion: 106 Resp: 690022
Ion Ratio Lower Upper
106 100
91 201.7 161.5 242.3

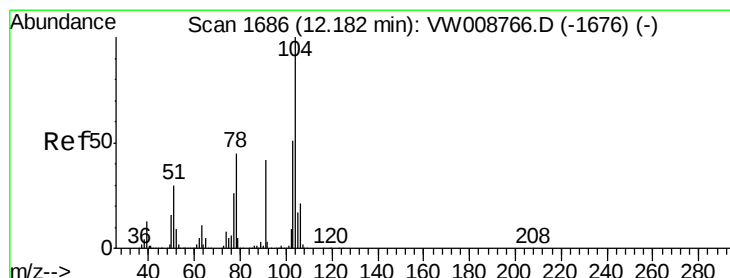
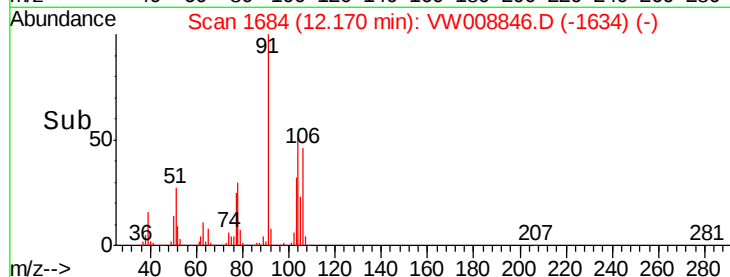
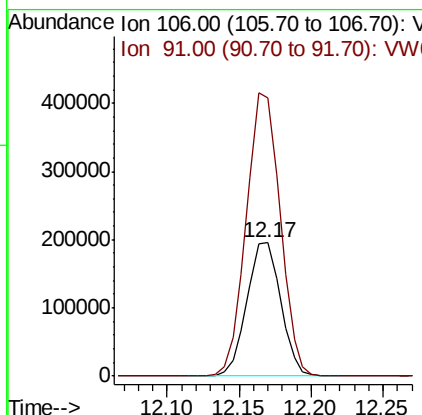
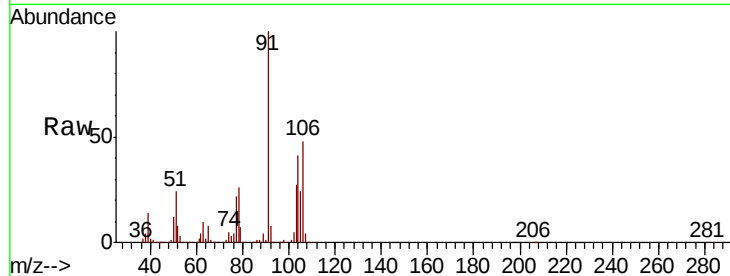




#69
o-Xylene
Concen: 54.543 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW008846.D
Acq: 27 Feb 2019 11:02

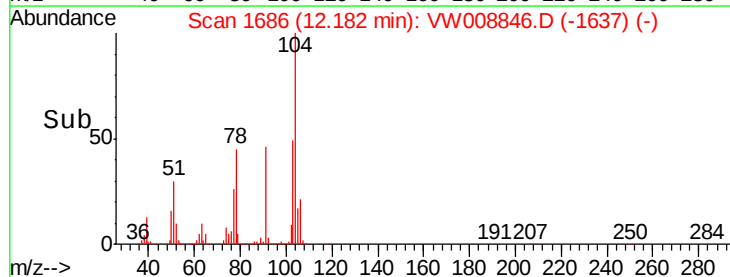
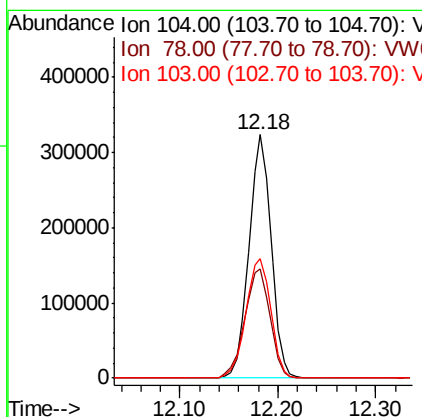
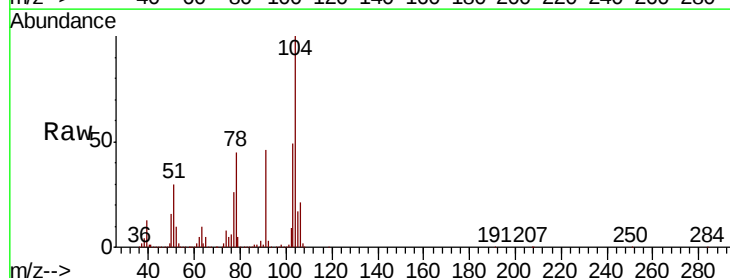
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:106 Resp: 317085
Ion Ratio Lower Upper
106 100
91 214.1 106.2 318.6



#70
Styrene
Concen: 54.556 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW008846.D
Acq: 27 Feb 2019 11:02

Tgt Ion:104 Resp: 510262
Ion Ratio Lower Upper
104 100
78 51.0 40.8 61.2
103 55.0 44.2 66.2

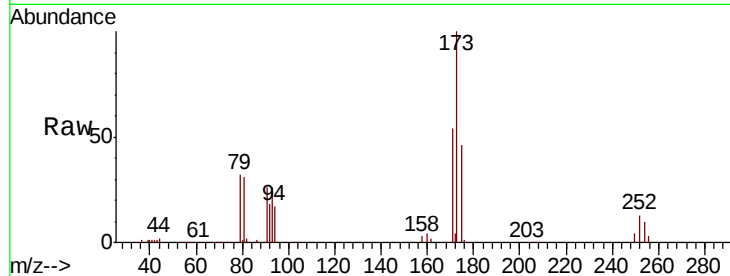




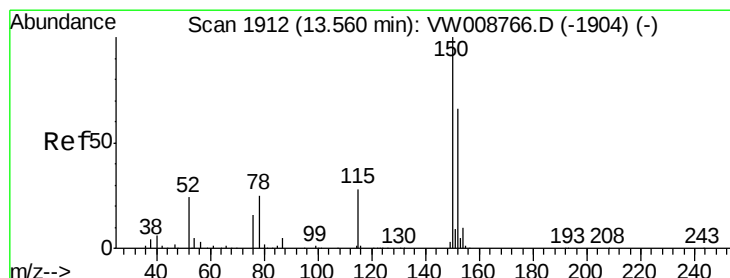
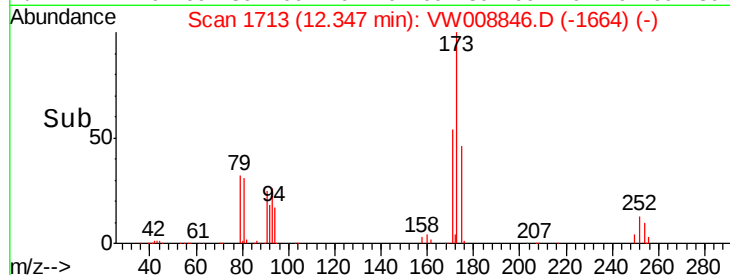
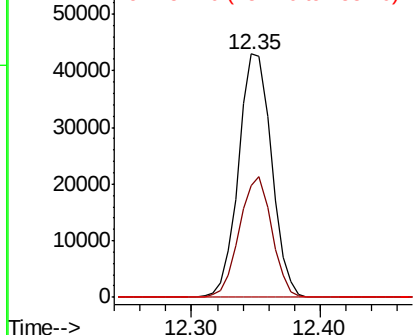
#71
Bromoform
Concen: 48.462 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW008846.D
Acq: 27 Feb 2019 11:02

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:173 Resp: 76379
Ion Ratio Lower Upper
173 100
175 48.3 24.2 72.6
254 0.1 0.2 0.4#

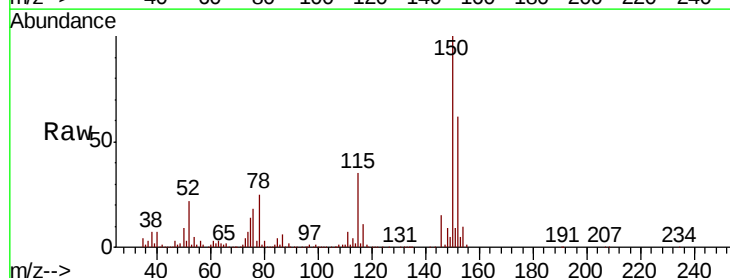


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

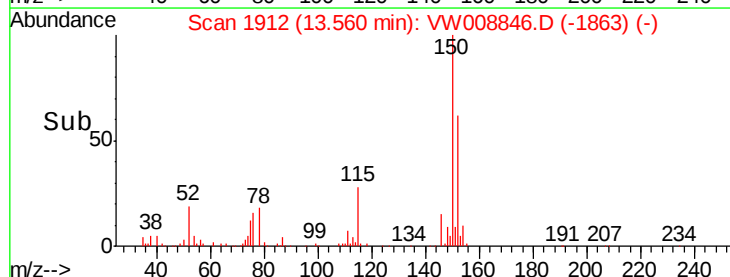
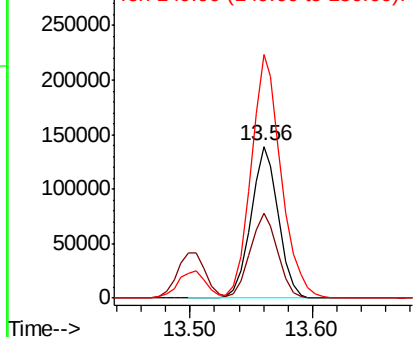


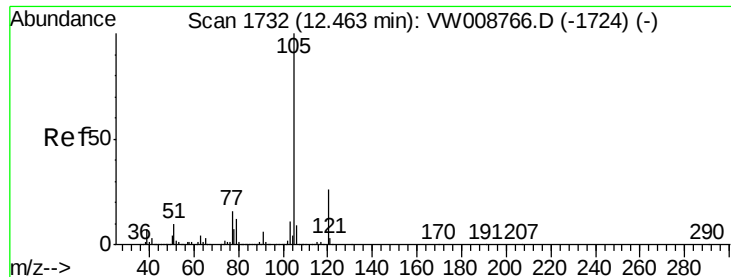
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008846.D
Acq: 27 Feb 2019 11:02

Tgt Ion:152 Resp: 215173
Ion Ratio Lower Upper
152 100
115 56.6 28.6 85.8
150 176.1 0.0 348.0



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: 60.282 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW008846.D

Acq: 27 Feb 2019 11:02

Instrument :

MSVOA_W

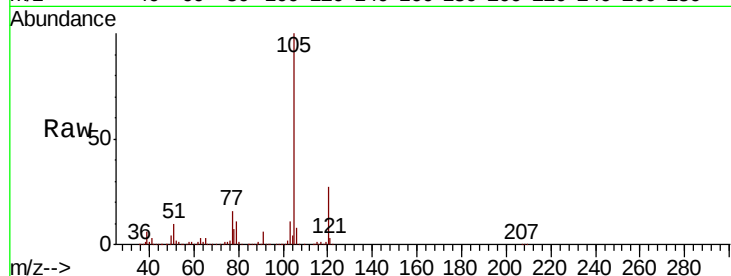
ClientSampleId :

Tot Ion:105 Resp: 889219

Ion Ratio Lower Upper

105 100

120 27.0 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.47

600000

500000

400000

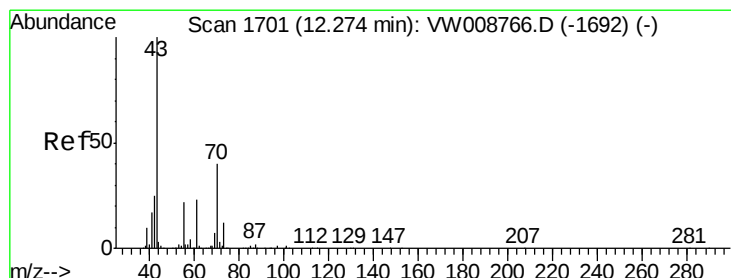
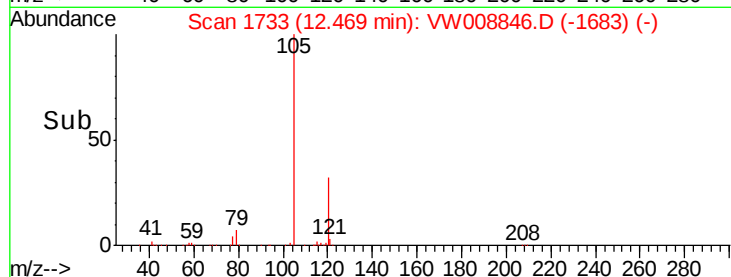
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 49.318 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW008846.D

Acq: 27 Feb 2019 11:02

Tgt Ion: 43 Resp: 183251

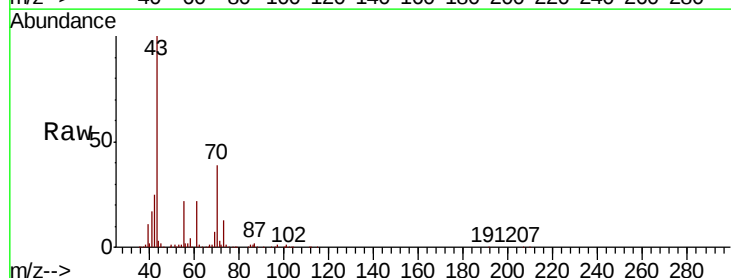
Ion Ratio Lower Upper

43 100

70 39.4 31.0 46.6

55 23.0 18.7 28.1

61 22.3 18.1 27.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

12.27

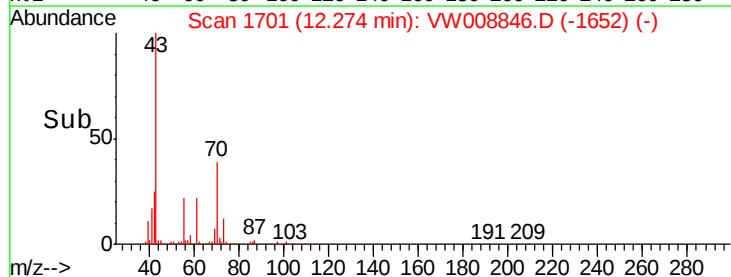
150000

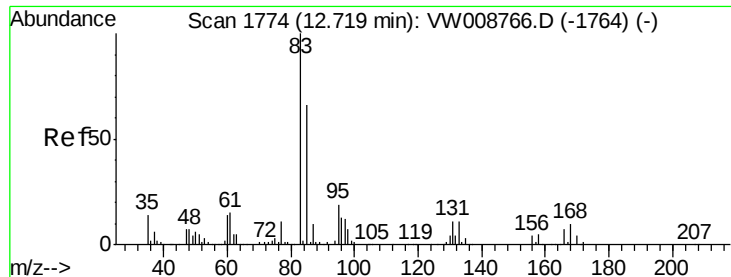
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 49.340 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008846.D

Acq: 27 Feb 2019 11:02

Instrument :

MSVOA_W

ClientSampleId :

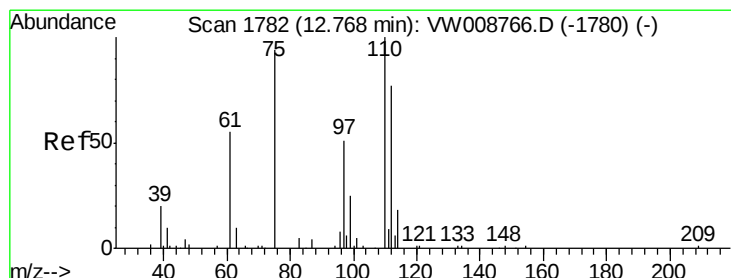
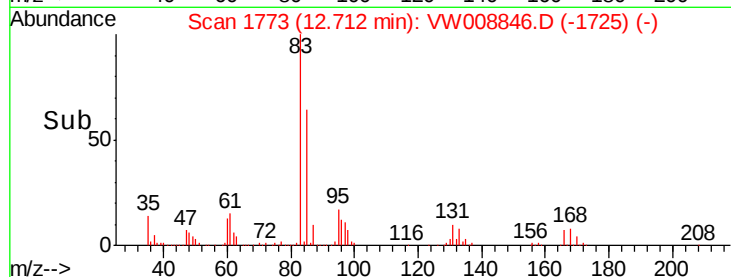
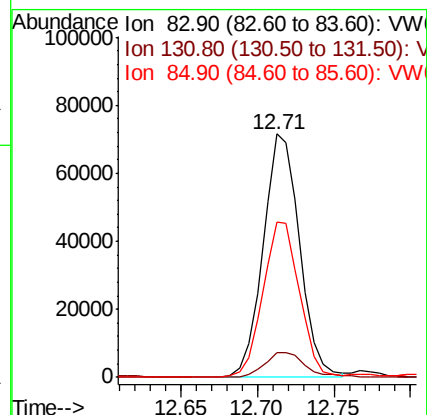
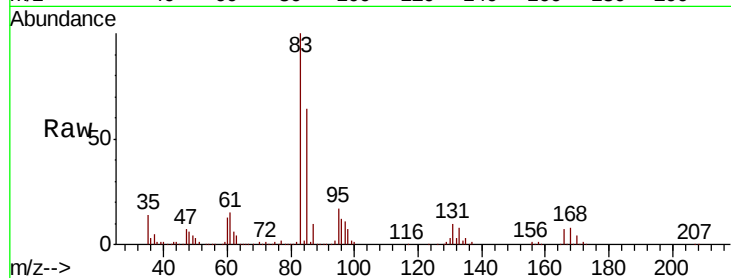
Tot Ion: 83 Resp: 118923

Ion Ratio Lower Upper

83 100

131 11.5 5.5 16.7

85 63.7 33.0 98.9



#76

1,2,3-Trichloropropane

Concen: 95.231 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW008846.D

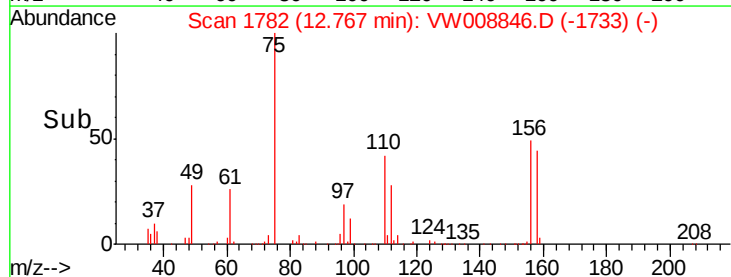
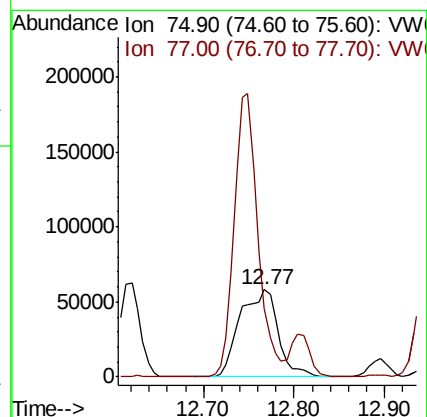
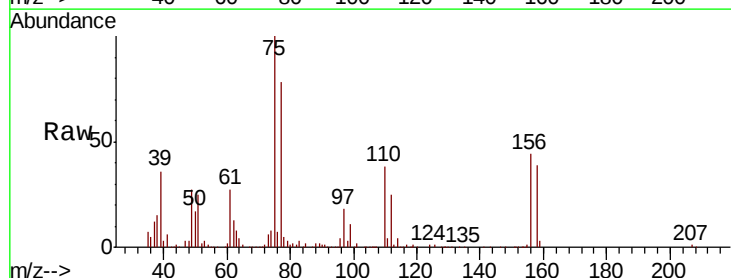
Acq: 27 Feb 2019 11:02

Tgt Ion: 75 Resp: 169181

Ion Ratio Lower Upper

75 100

77 202.5 0.0 0.0#





#77

Bromobenzene

Concen: 56.471 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW008846.D

Acq: 27 Feb 2019 11:02

Instrument :

MSVOA_W

ClientSampled :

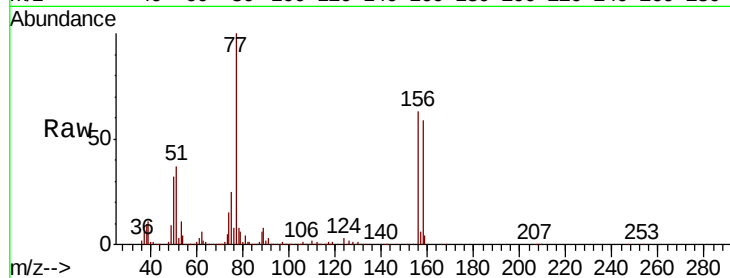
Tot Ion:156 Resp: 196846

Ion Ratio Lower Upper

156 100

77 174.1 89.1 267.4

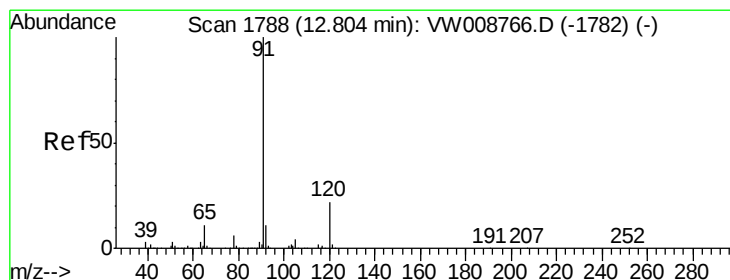
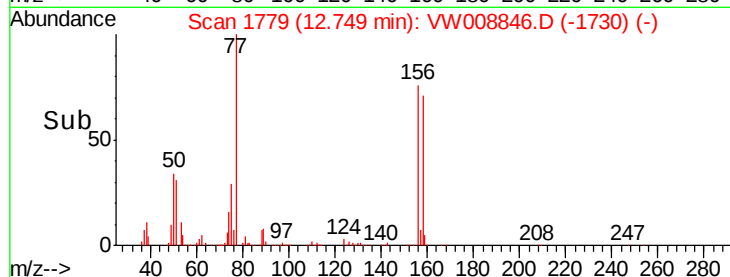
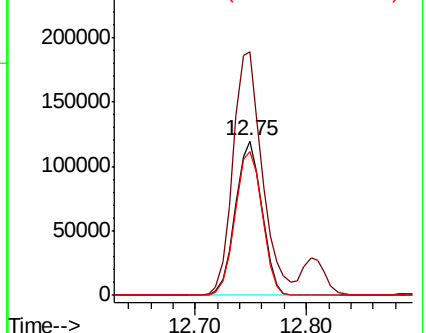
158 95.4 49.2 147.6



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: 59.074 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW008846.D

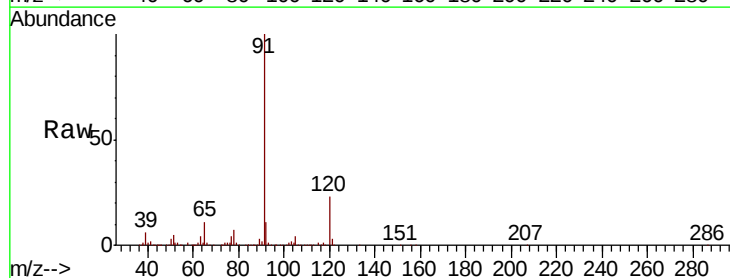
Acq: 27 Feb 2019 11:02

Tgt Ion: 91 Resp: 1065916

Ion Ratio Lower Upper

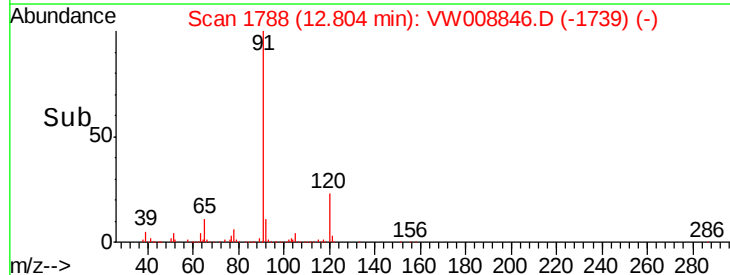
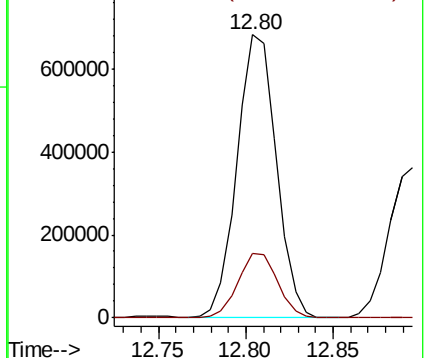
91 100

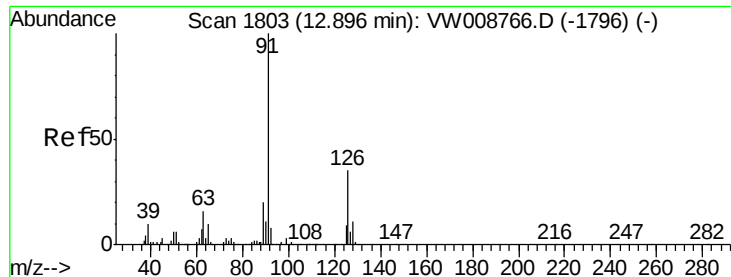
120 23.1 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 57.442 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW008846.D

Acq: 27 Feb 2019 11:02

Instrument :

MSVOA_W

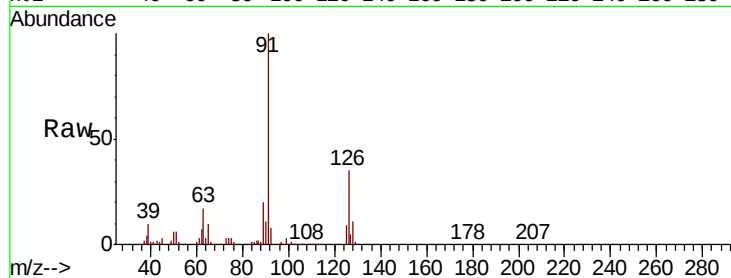
ClientSampled :

Tot Ion: 91 Resp: 588466

Ion Ratio Lower Upper

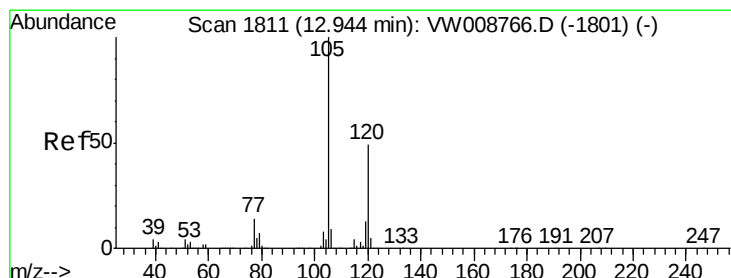
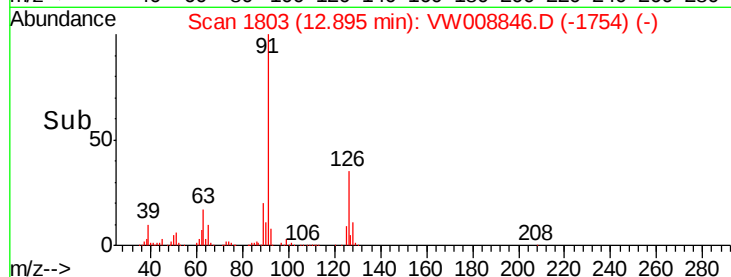
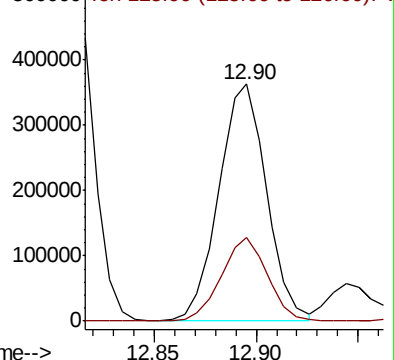
91 100

126 34.1 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 58.160 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW008846.D

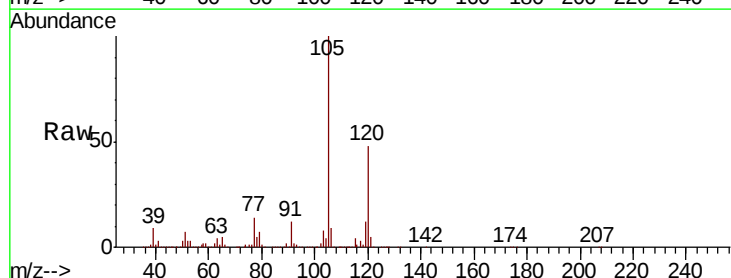
Acq: 27 Feb 2019 11:02

Tgt Ion:105 Resp: 745545

Ion Ratio Lower Upper

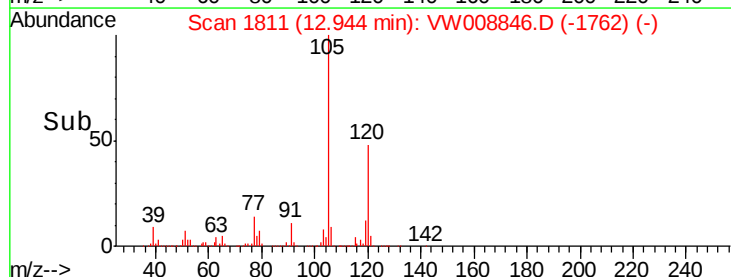
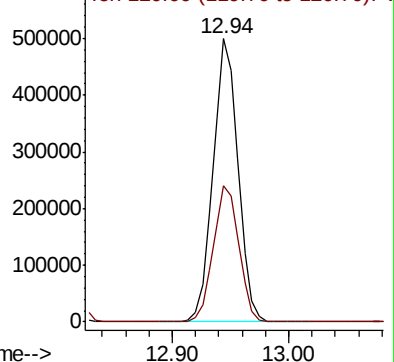
105 100

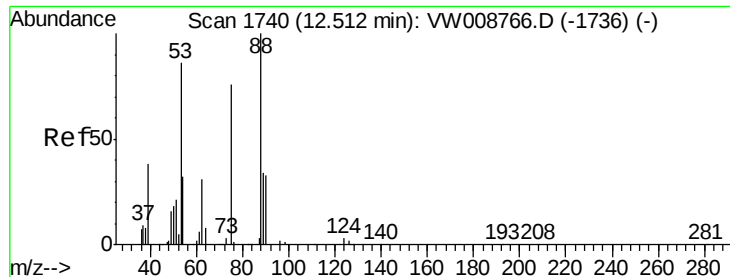
120 49.5 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 51.933 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW008846.D

Acq: 27 Feb 2019 11:02

Instrument :

MSVOA_W

ClientSampleId :

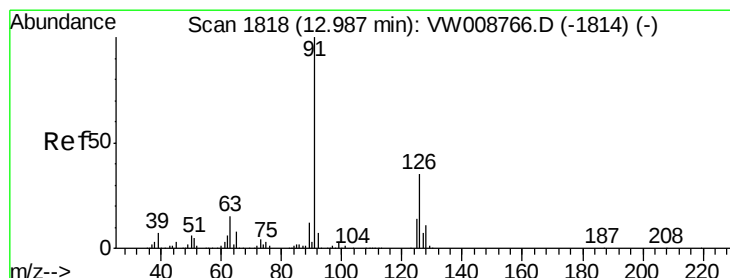
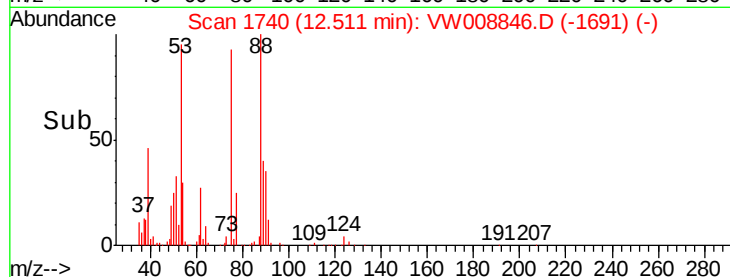
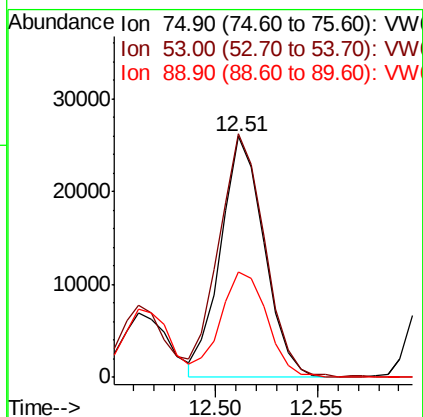
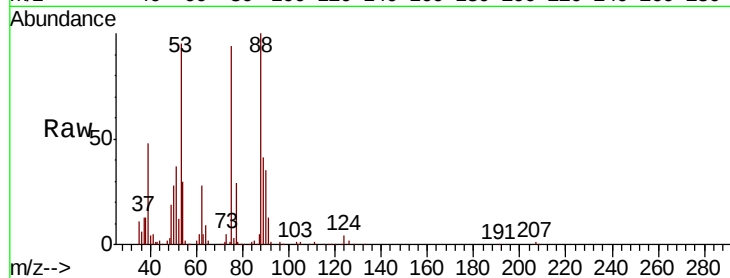
Tot Ion: 75 Resp: 37951

Ion Ratio Lower Upper

75 100

53 107.6 88.2 132.2

89 47.6 39.5 59.3



#82

4-Chlorotoluene

Concen: 56.660 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VW008846.D

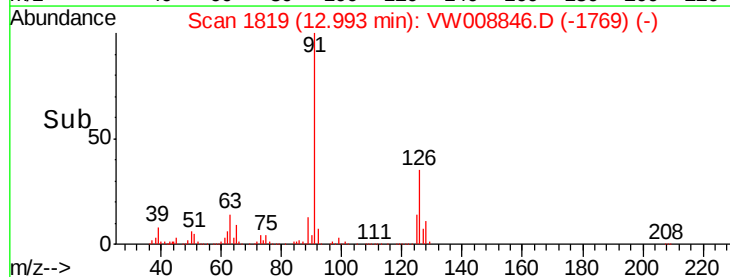
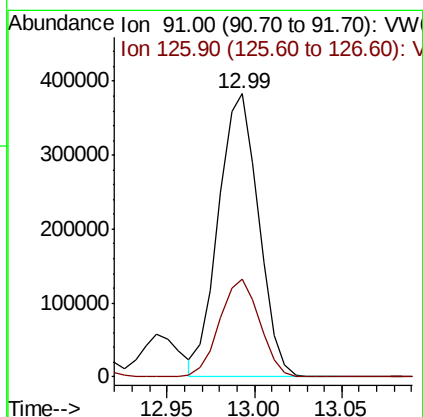
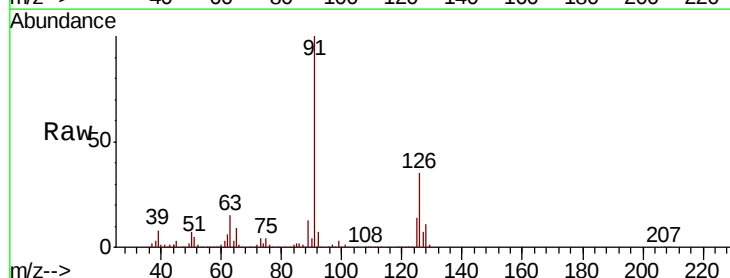
Acq: 27 Feb 2019 11:02

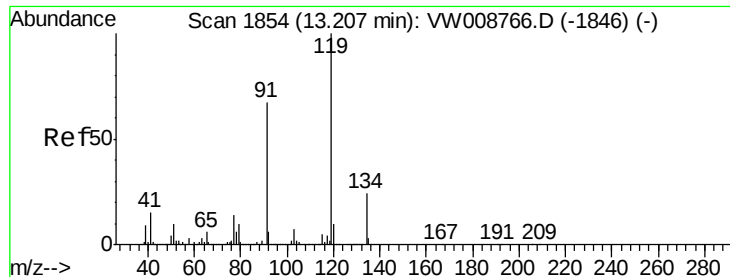
Tgt Ion: 91 Resp: 611684

Ion Ratio Lower Upper

91 100

126 34.6 17.2 51.6

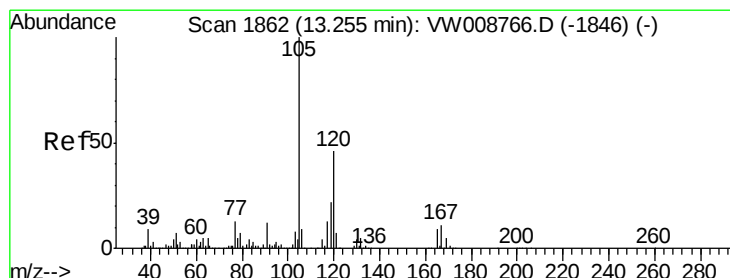
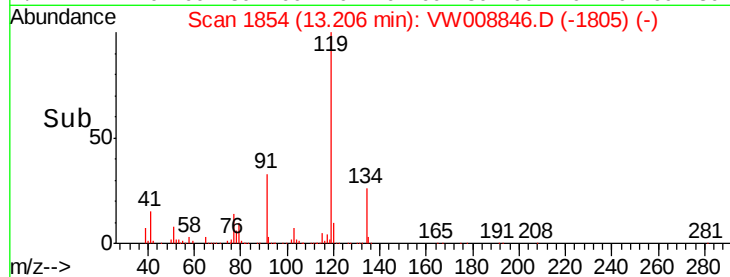
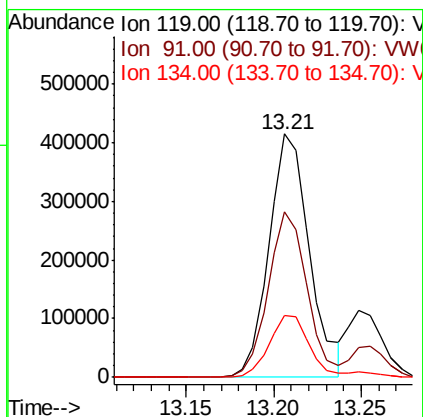
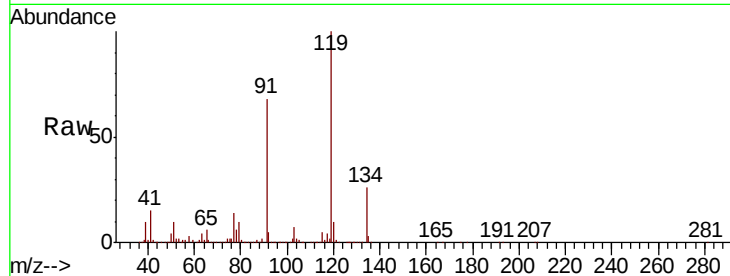




#83
tert-Butylbenzene
Concen: 60.308 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW008846.D
Acq: 27 Feb 2019 11:02

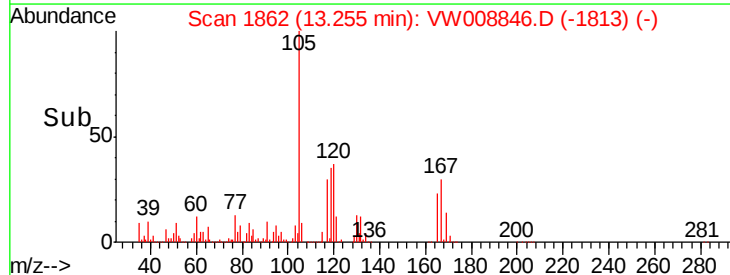
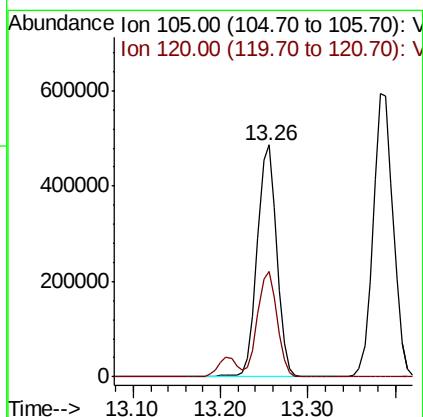
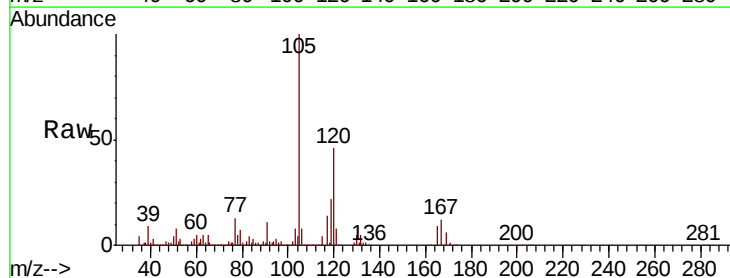
Instrument :
MSVOA_W
ClientSampled :

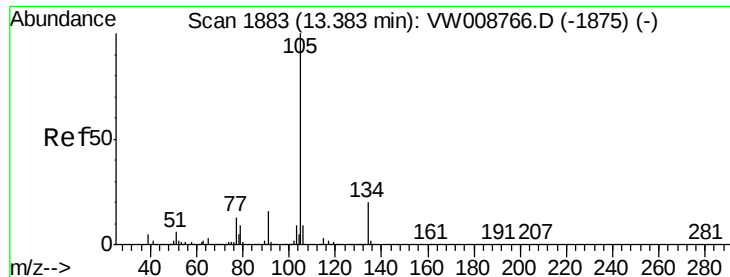
Tot Ion:119 Resp: 668459
Ion Ratio Lower Upper
119 100
91 65.4 33.6 100.8
134 26.8 13.7 41.1



#84
1,2,4-Trimethylbenzene
Concen: 56.549 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW008846.D
Acq: 27 Feb 2019 11:02

Tgt Ion:105 Resp: 750385
Ion Ratio Lower Upper
105 100
120 45.7 22.8 68.4





#85

sec-Butylbenzene

Concen: 59.355 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW008846.D

Acq: 27 Feb 2019 11:02

Instrument :

MSVOA_W

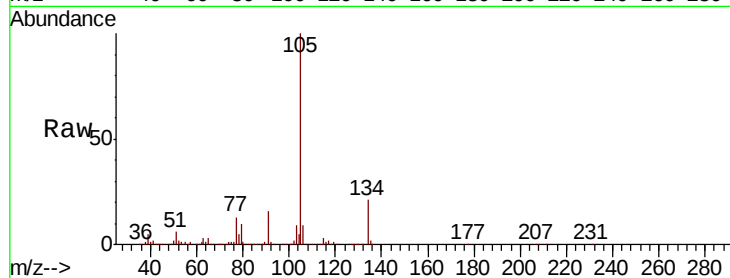
ClientSampleId :

Tot Ion:105 Resp: 945988

Ion Ratio Lower Upper

105 100

134 20.8 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.38

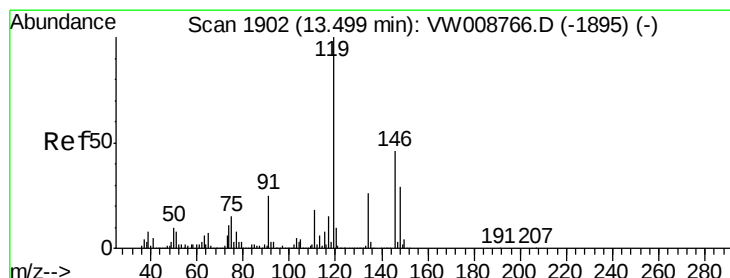
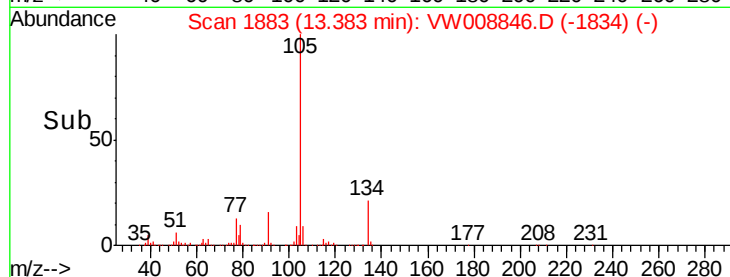
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 57.650 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW008846.D

Acq: 27 Feb 2019 11:02

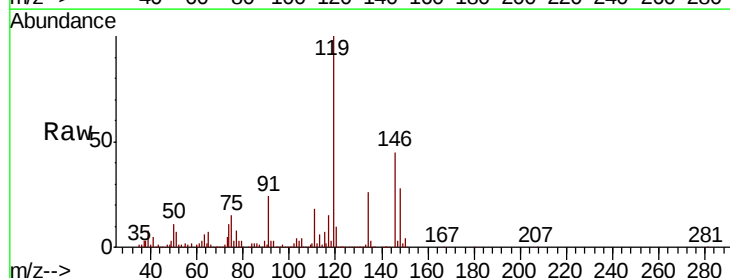
Tgt Ion:119 Resp: 842311

Ion Ratio Lower Upper

119 100

134 26.2 13.1 39.3

91 24.0 12.1 36.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.50

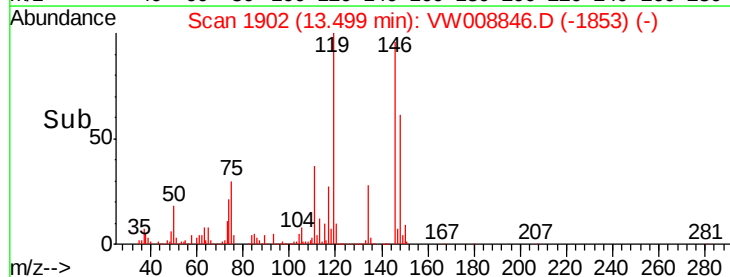
600000

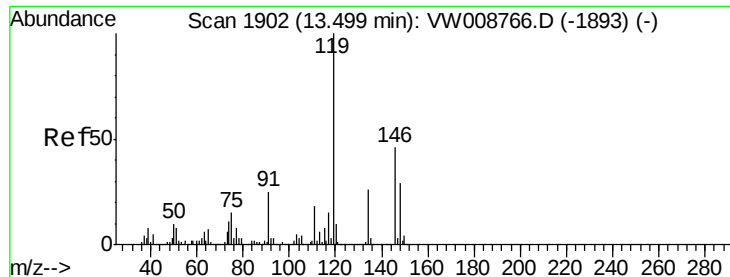
400000

200000

0

Time-->

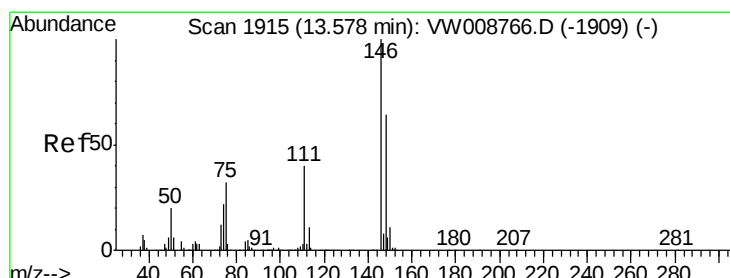
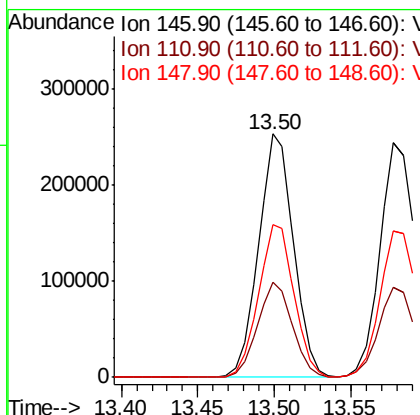
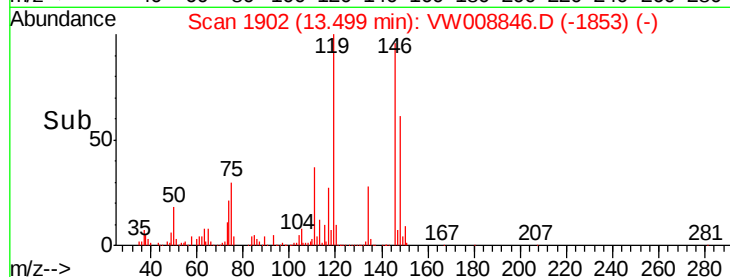
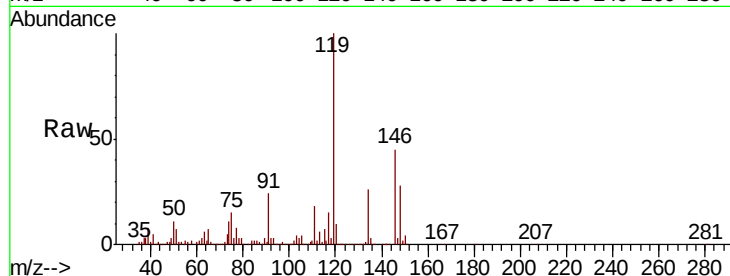




#87
 1,3-Dichlorobenzene
 Concen: 55.506 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW008846.D
 Acq: 27 Feb 2019 11:02

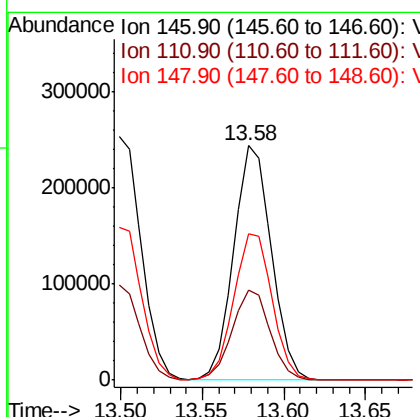
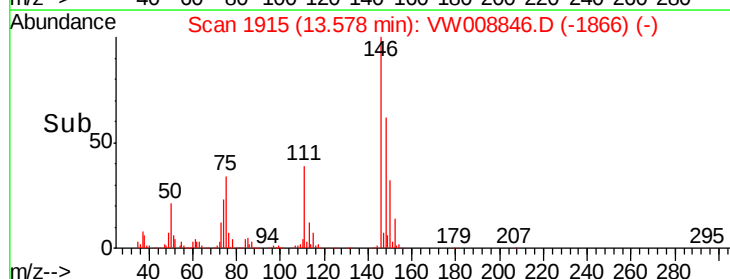
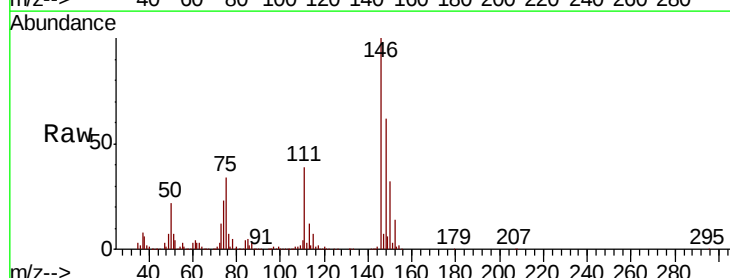
Instrument :
 MSVOA_W
 ClientSampleId :

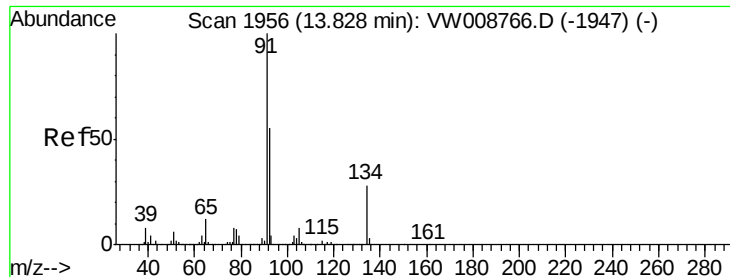
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.9	59.7
148	64.0	31.6	94.8



#88
 1,4-Dichlorobenzene
 Concen: 54.941 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW008846.D
 Acq: 27 Feb 2019 11:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.3	57.9
148	63.6	31.9	95.9





#89

n-Butylbenzene

Concen: 58.144 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW008846.D

Acq: 27 Feb 2019 11:02

Instrument :

MSVOA_W

ClientSampled :

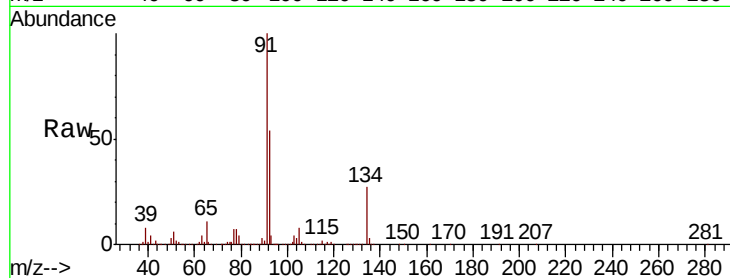
Tot Ion: 91 Resp: 795875

Ion Ratio Lower Upper

91 100

92 53.7 26.8 80.4

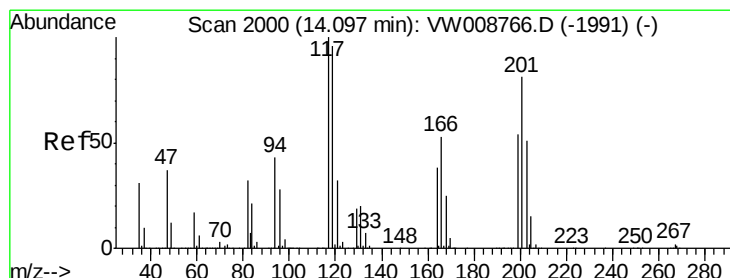
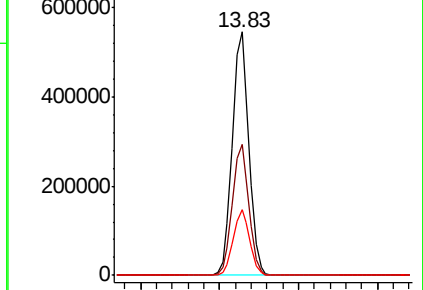
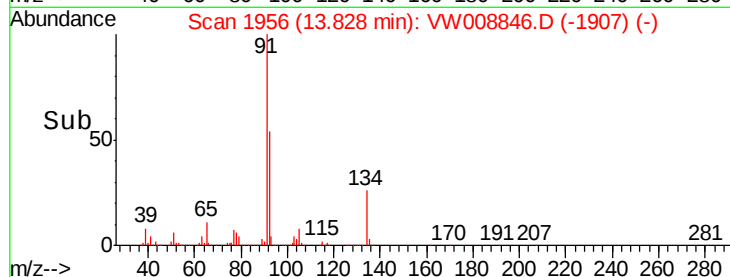
134 26.8 13.5 40.4



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: 59.306 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW008846.D

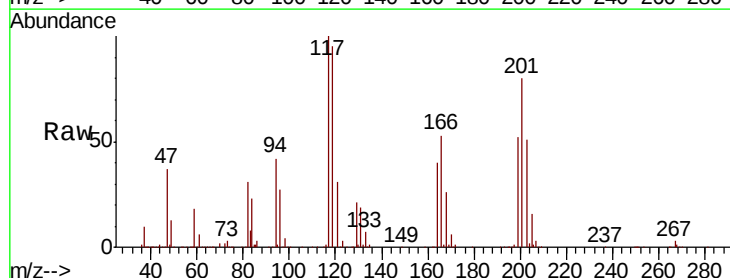
Acq: 27 Feb 2019 11:02

Tgt Ion: 117 Resp: 141850

Ion Ratio Lower Upper

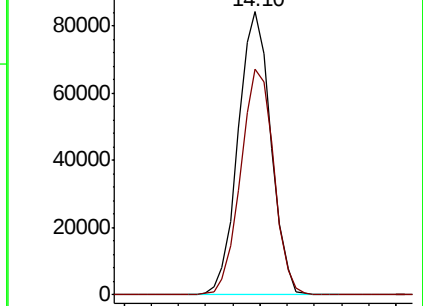
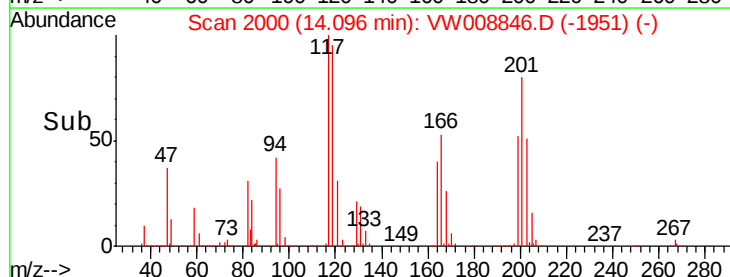
117 100

201 80.6 40.3 120.8



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 54.364 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW008846.D

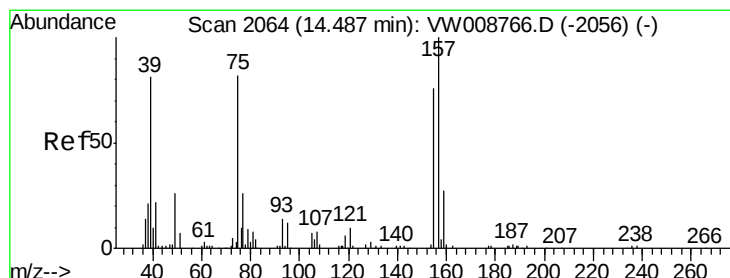
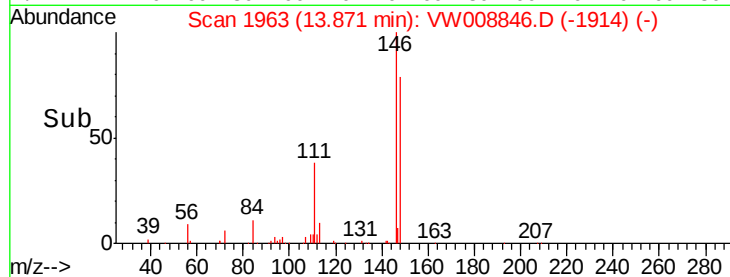
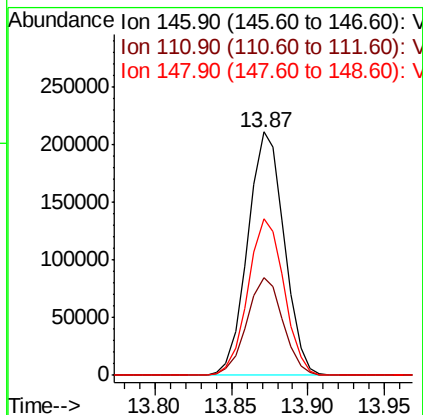
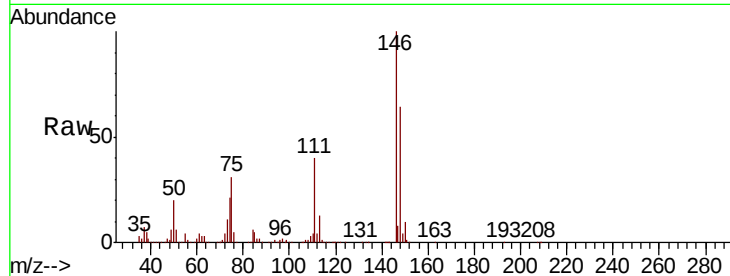
Acq: 27 Feb 2019 11:02

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:	146	Resp:	350329
Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.3	60.8
148	63.8	32.5	97.5



#92

1,2-Dibromo-3-Chloropropane

Concen: 47.250 ug/l

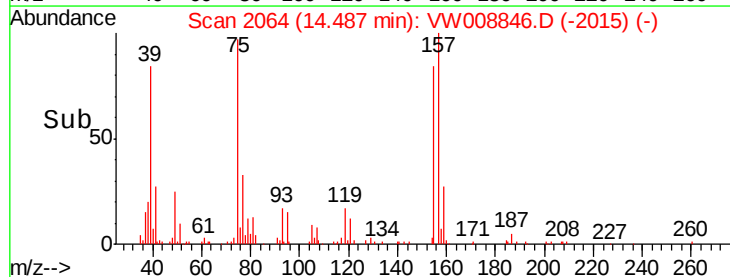
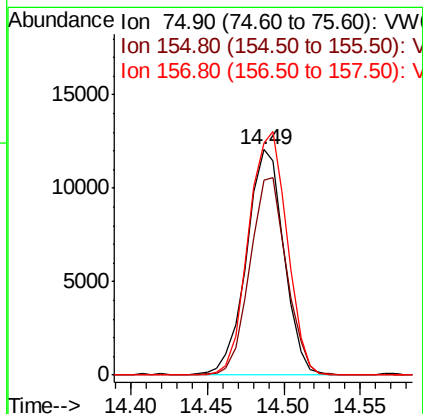
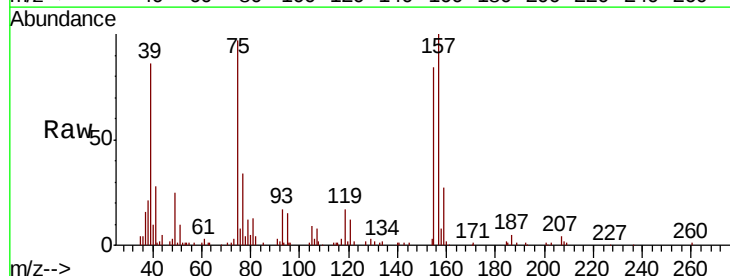
RT: 14.49 min Scan# 2064

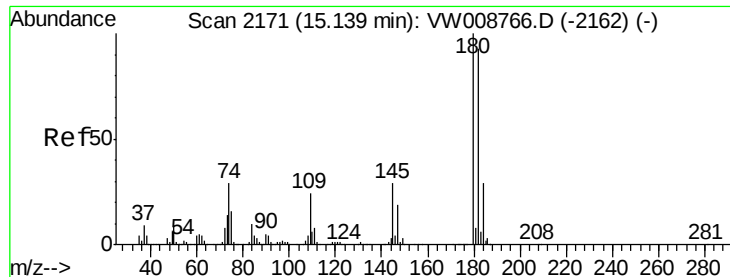
Delta R.T. -0.00 min

Lab File: VW008846.D

Acq: 27 Feb 2019 11:02

Tgt Ion:	75	Resp:	20601
Ion	Ratio	Lower	Upper
75	100		
155	85.8	41.8	125.4
157	110.5	56.6	169.9

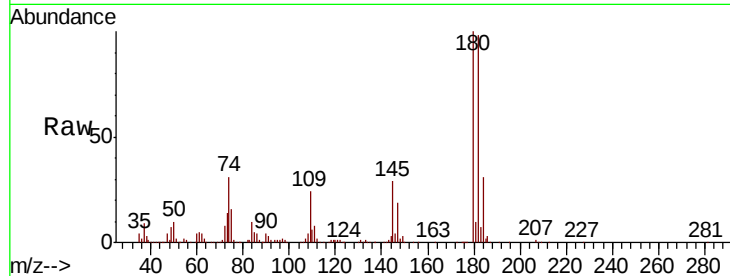




#93
 1,2,4-Trichlorobenzene
 Concen: 53.465 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW008846.D
 Acq: 27 Feb 2019 11:02

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.2	141.6
145	29.7	14.4	43.0



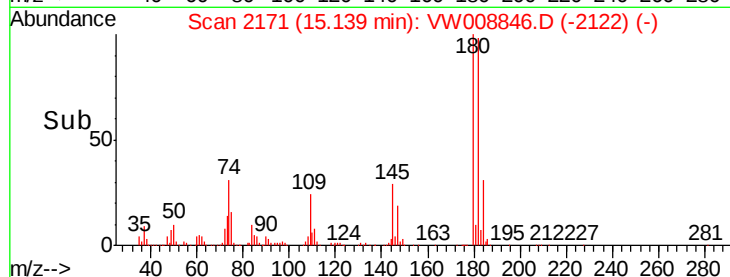
Abundance

Ion 179.80 (179.50 to 180.50): V

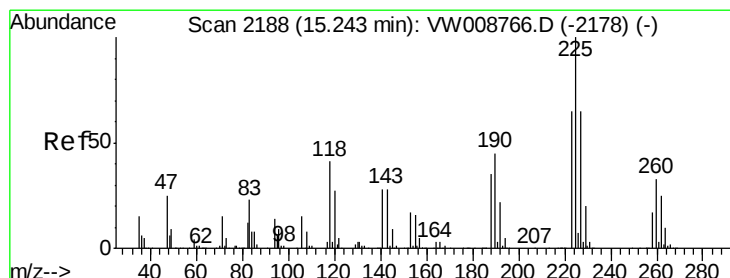
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

15.14

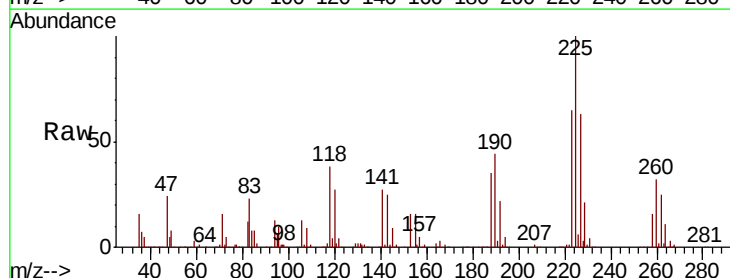


Time-->



#94
 Hexachlorobutadiene
 Concen: 58.985 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW008846.D
 Acq: 27 Feb 2019 11:02

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	31.5	94.5
227	63.1	31.6	94.8



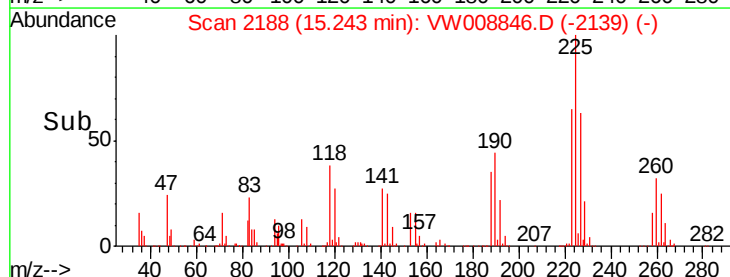
Abundance

Ion 224.70 (224.40 to 225.40): V

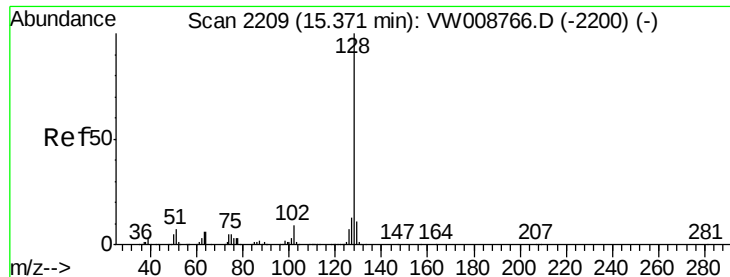
Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

15.24



Time-->



#95

Naphthalene

Concen: 49.143 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW008846.D

Acq: 27 Feb 2019 11:02

Instrument :

MSVOA_W

ClientSampleId :

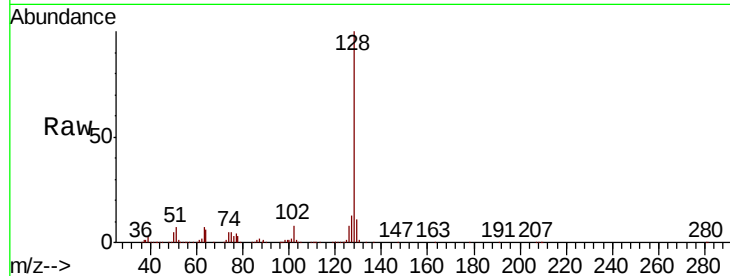
Tot Ion:128 Resp: 388495

Ion Ratio Lower Upper

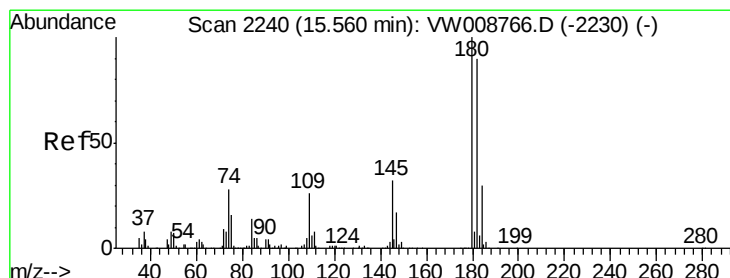
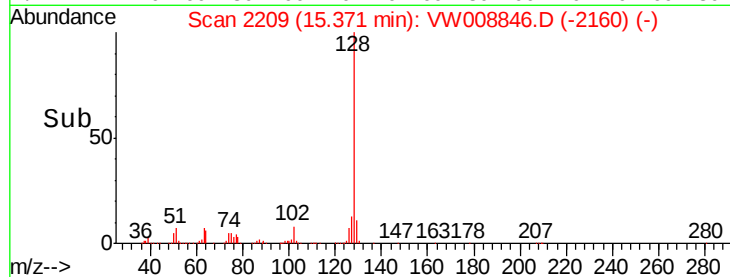
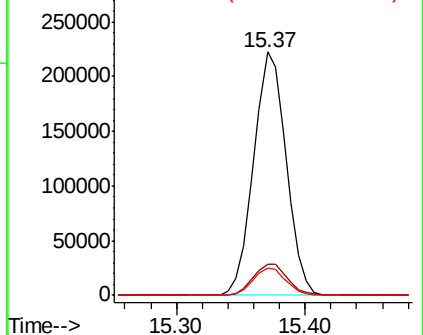
128 100

127 13.5 10.8 16.2

129 11.2 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 52.615 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW008846.D

Acq: 27 Feb 2019 11:02

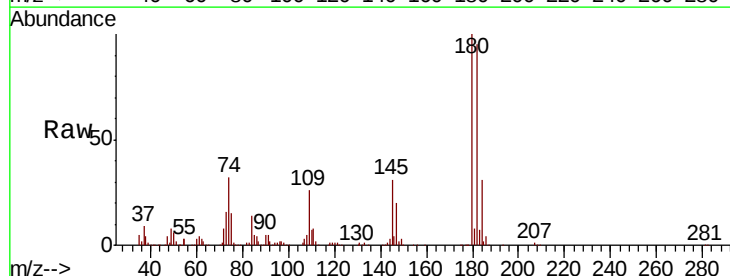
Tgt Ion:180 Resp: 211224

Ion Ratio Lower Upper

180 100

182 94.6 46.9 140.8

145 30.9 15.9 47.6



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

