

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022819\
 Data File : VW008906.D
 Acq On : 01 Mar 2019 01:20
 Operator : SY/VA
 Sample : VW0228SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0228SBS02

Quant Time: Mar 01 06:05:30 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	284824	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	424712	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	404555	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	217235	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	153632	57.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.02%	
35) Dibromofluoromethane	7.88	113	137150	53.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.56%	
50) Toluene-d8	10.32	98	515923	52.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.82%	
62) 4-Bromofluorobenzene	12.62	95	199310	51.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	52637	18.452	ug/l	98
3) Chloromethane	2.21	50	70167	20.206	ug/l	99
4) Vinyl Chloride	2.35	62	71855	19.544	ug/l	97
5) Bromomethane	2.74	94	67131	24.582	ug/l	98
6) Chloroethane	2.90	64	54545	20.892	ug/l	95
7) Trichlorofluoromethane	3.25	101	97067	20.874	ug/l	97
8) Diethyl Ether	3.68	74	32146	21.836	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	60023	21.256	ug/l	98
10) Methyl Iodide	4.27	142	60354	17.092	ug/l	100
11) Tert butyl alcohol	5.18	59	27110	113.991	ug/l #	92
12) 1,1-Dichloroethene	4.03	96	53099	21.292	ug/l	100
13) Acrolein	3.90	56	18792	88.765	ug/l	99
14) Allyl chloride	4.67	41	91244	21.199	ug/l	97
15) Acrylonitrile	5.37	53	74250	117.521	ug/l	99
16) Acetone	4.13	43	61144	98.746	ug/l	95
17) Carbon Disulfide	4.37	76	156245	18.883	ug/l	99
18) Methyl Acetate	4.67	43	33916	23.093	ug/l	96
19) Methyl tert-butyl Ether	5.42	73	158274	23.448	ug/l	97
20) Methylene Chloride	4.92	84	69911	19.837	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	63584	22.042	ug/l	97
22) Diisopropyl ether	6.31	45	198629	23.134	ug/l	97
23) Vinyl Acetate	6.26	43	614648	115.865	ug/l	99
24) 1,1-Dichloroethane	6.22	63	113146	22.741	ug/l	99
25) 2-Butanone	7.17	43	98194	113.428	ug/l	98
26) 2,2-Dichloropropane	7.16	77	84104	18.619	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	70411	22.818	ug/l	95
28) Bromochloromethane	7.51	49	49904	23.969	ug/l	97
29) Tetrahydrofuran	7.52	42	63447	115.007	ug/l	99
30) Chloroform	7.67	83	117883	23.096	ug/l	98
31) Cyclohexane	7.95	56	104319	20.714	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	105213	22.667	ug/l	100
36) 1,1-Dichloropropene	8.08	75	90022	21.774	ug/l	98
37) Ethyl Acetate	7.25	43	44644	23.221	ug/l	98
38) Carbon Tetrachloride	8.06	117	91713	21.035	ug/l	96

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 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)

39) Methylcyclohexane	9.34	83	102869	19.948	ug/l	98
40) Benzene	8.32	78	251268	22.260	ug/l	100
41) Methacrylonitrile	7.48	41	21573	19.090	ug/l #	90
42) 1,2-Dichloroethane	8.40	62	83131	23.248	ug/l	100
43) Isopropyl Acetate	8.42	43	86454	22.531	ug/l	100
44) Trichloroethene	9.09	130	70707	22.236	ug/l	95
45) 1,2-Dichloropropane	9.37	63	64350	23.069	ug/l	91
46) Dibromomethane	9.46	93	36317	23.407	ug/l	96
47) Bromodichloromethane	9.64	83	87297	23.125	ug/l	95
48) Methyl methacrylate	9.44	41	37339	20.318	ug/l	91
49) 1,4-Dioxane	9.46	88	9978	401.577	ug/l	92
51) 4-Methyl-2-Pentanone	10.21	43	219334	112.591	ug/l	99
52) Toluene	10.38	92	161054	21.023	ug/l	96
53) t-1,3-Dichloropropene	10.60	75	81547	21.194	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	97329	22.179	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	50103	23.811	ug/l	98
56) Ethyl methacrylate	10.65	69	59578	21.793	ug/l	100
57) 1,3-Dichloropropane	10.93	76	85164	22.923	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	166092	120.800	ug/l	100
59) 2-Hexanone	10.97	43	145153	104.675	ug/l	98
60) Dibromochloromethane	11.13	129	59139	23.042	ug/l	99
61) 1,2-Dibromoethane	11.24	107	47896	22.996	ug/l	99
64) Tetrachloroethene	10.86	164	68118	23.522	ug/l	96
65) Chlorobenzene	11.66	112	183679	21.592	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	62897	21.867	ug/l	98
67) Ethyl Benzene	11.73	91	322325	21.196	ug/l	100
68) m/p-Xylenes	11.84	106	254493	41.885	ug/l	98
69) o-Xylene	12.16	106	118541	20.786	ug/l	100
70) Styrene	12.18	104	194757	21.227	ug/l	100
71) Bromoform	12.35	173	33466	21.645	ug/l #	99
73) Isopropylbenzene	12.46	105	320780	21.540	ug/l	99
74) N-amyl acetate	12.27	43	78770	20.998	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	57174	23.496	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	74015	41.267	ug/l #	100
77) Bromobenzene	12.75	156	78062	22.182	ug/l	98
78) n-propylbenzene	12.80	91	388072	21.303	ug/l	100
79) 2-Chlorotoluene	12.89	91	224587	21.714	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	269980	20.861	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	13997	18.972	ug/l	95
82) 4-Chlorotoluene	12.99	91	230887	21.184	ug/l	98
83) tert-Butylbenzene	13.21	119	235474	21.043	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	272741	20.359	ug/l	100
85) sec-Butylbenzene	13.38	105	340616	21.169	ug/l	100
86) p-Isopropyltoluene	13.50	119	298346	20.226	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	153722	21.053	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	155368	21.590	ug/l	100
89) n-Butylbenzene	13.83	91	270677	19.587	ug/l	100
90) Hexachloroethane	14.10	117	53142	22.007	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	139507	21.443	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	9236	20.982	ug/l	98

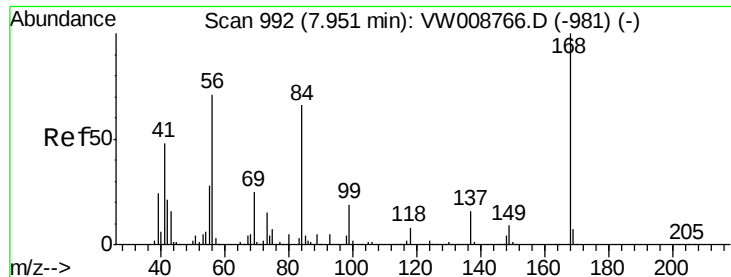
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW022819\
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Quant Title : SW846 8260
QLast Update : Fri Feb 22 00:38:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	94232	20.103	ug/l	100
94) Hexachlorobutadiene	15.24	225	58764	21.283	ug/l	98
95) Naphthalene	15.37	128	160550	20.116	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	82059	20.247	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008906.D

Acq: 01 Mar 2019 01:20

Instrument :

MSVOA_W

ClientSampleId :

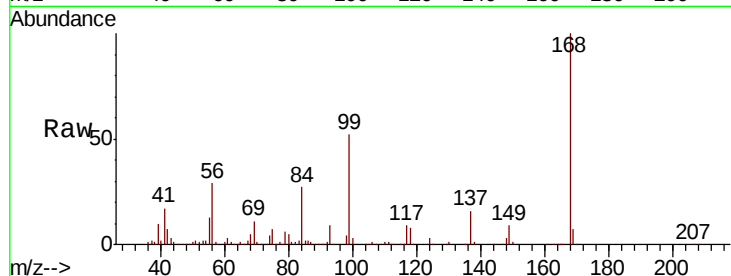
VW0228SBSD02

Tot Ion:168 Resp: 284824

Ion Ratio Lower Upper

168 100

99 52.5 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

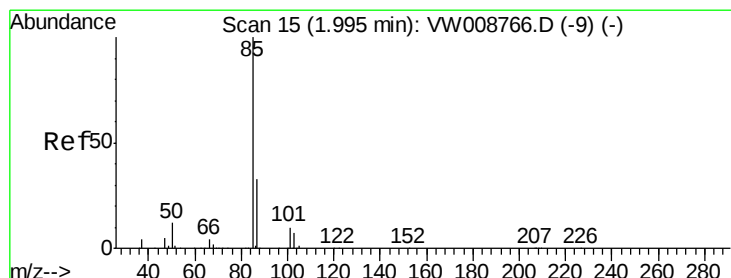
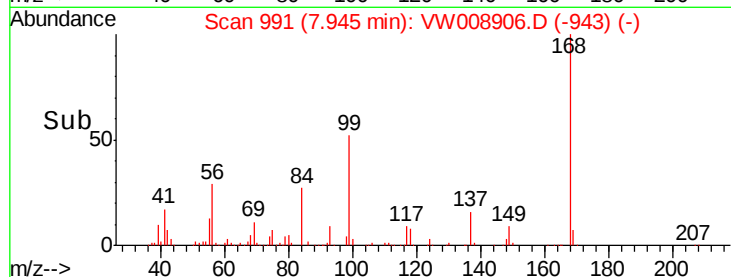
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 18.452 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.00 min

Lab File: VW008906.D

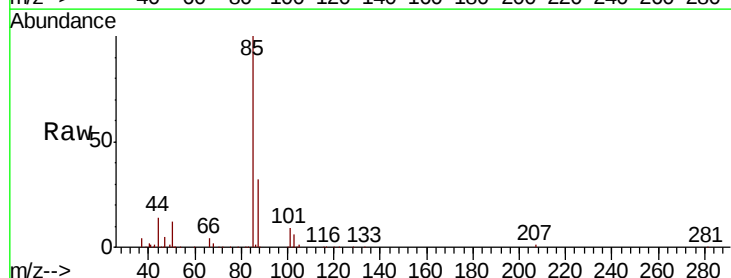
Acq: 01 Mar 2019 01:20

Tgt Ion: 85 Resp: 52637

Ion Ratio Lower Upper

85 100

87 31.5 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

40000

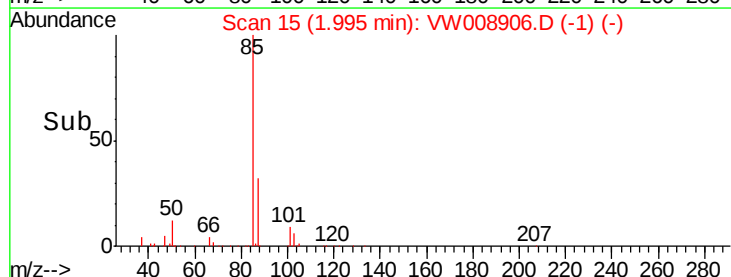
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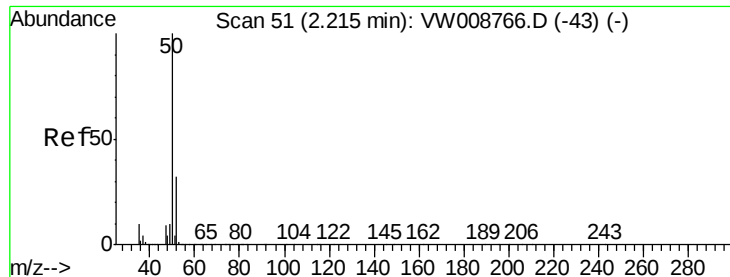
20000

10000

0

Time--> 1.90 1.95 2.00 2.05





#3

Chloromethane

Concen: 20.206 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW008906.D

Acq: 01 Mar 2019 01:20

Instrument :

MSVOA_W

ClientSampleId :

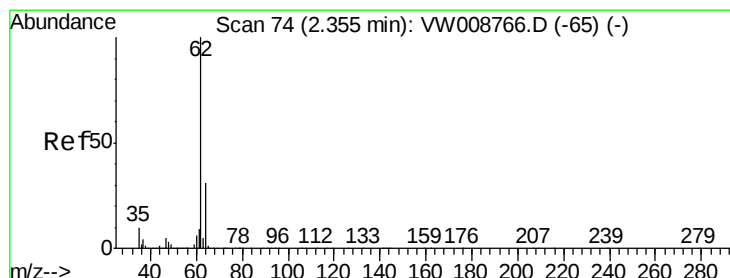
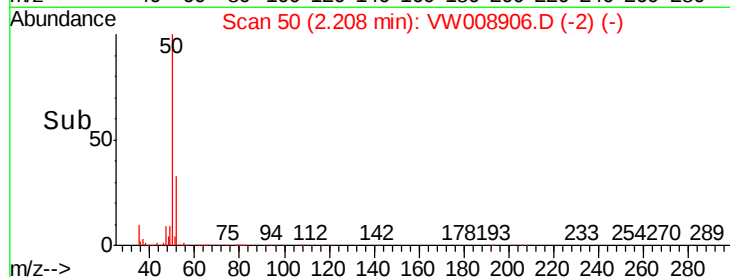
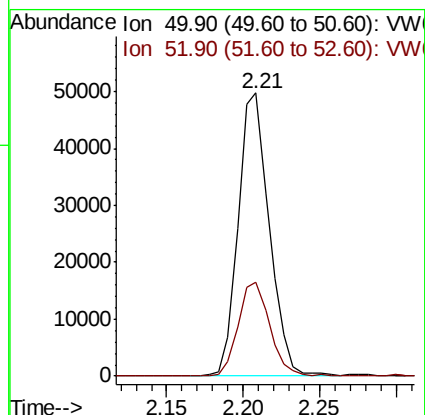
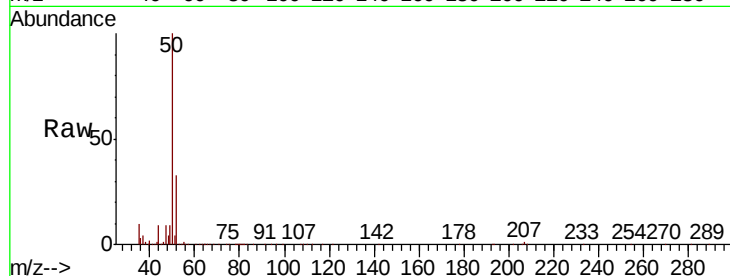
VW0228SBSD02

Tot Ion: 50 Resp: 70167

Ion Ratio Lower Upper

50 100

52 33.1 25.9 38.9



#4

Vinyl Chloride

Concen: 19.544 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.01 min

Lab File: VW008906.D

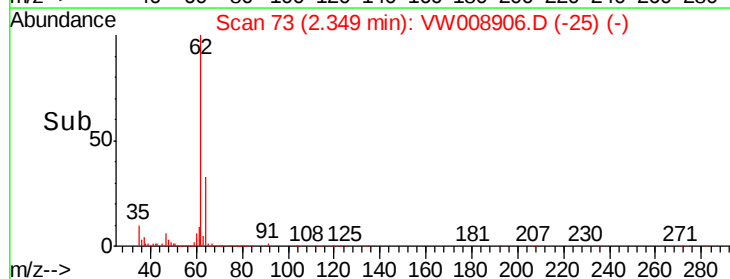
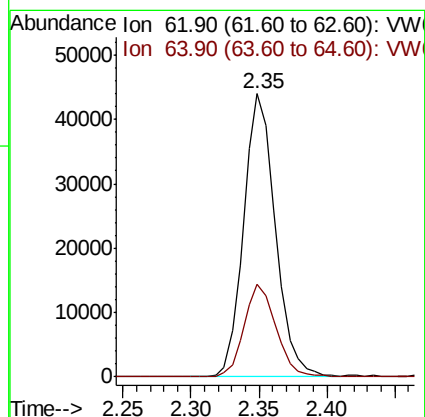
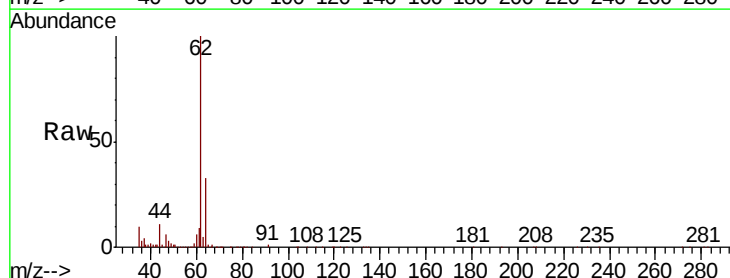
Acq: 01 Mar 2019 01:20

Tgt Ion: 62 Resp: 71855

Ion Ratio Lower Upper

62 100

64 32.8 24.9 37.3





#5

Bromomethane

Concen: 24.582 ug/l

RT: 2.74 min Scan# 138

Delta R.T. -0.01 min

Lab File: VW008906.D

Acq: 01 Mar 2019 01:20

Instrument :

MSVOA_W

ClientSampleId :

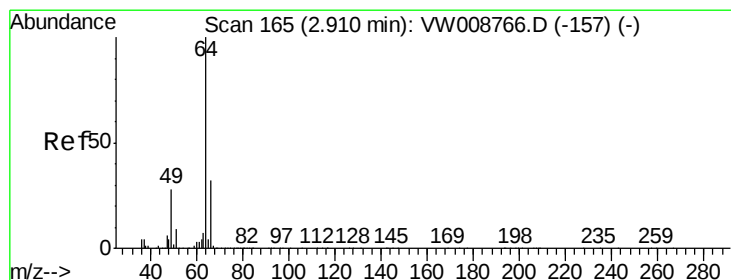
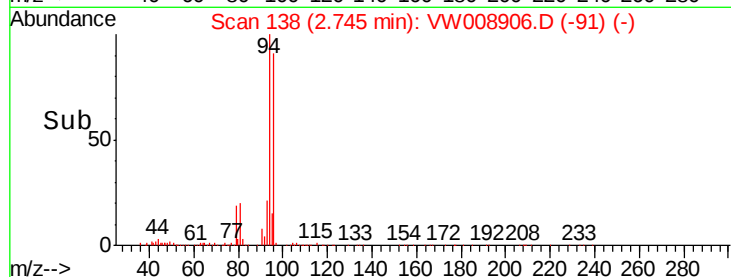
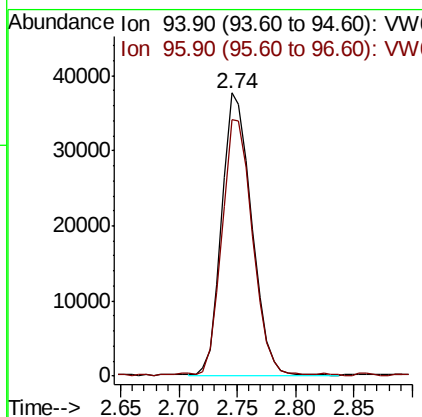
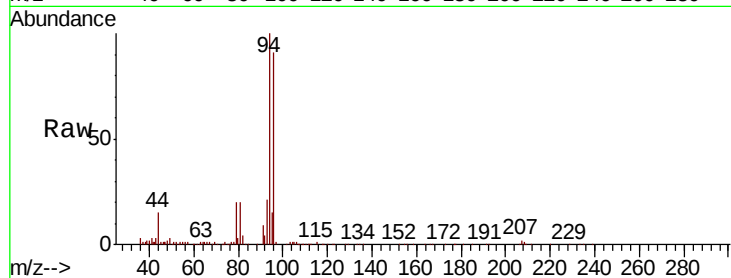
VW0228SBSD02

Tot Ion: 94 Resp: 67131

Ion Ratio Lower Upper

94 100

96 90.2 73.4 110.2



#6

Chloroethane

Concen: 20.892 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW008906.D

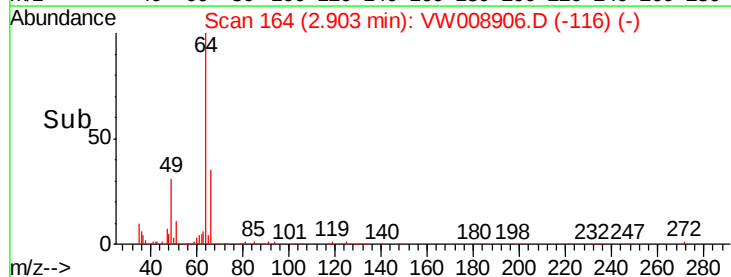
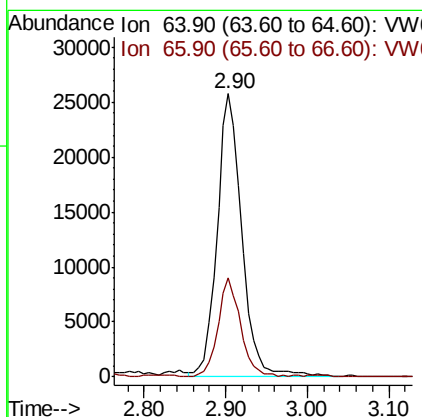
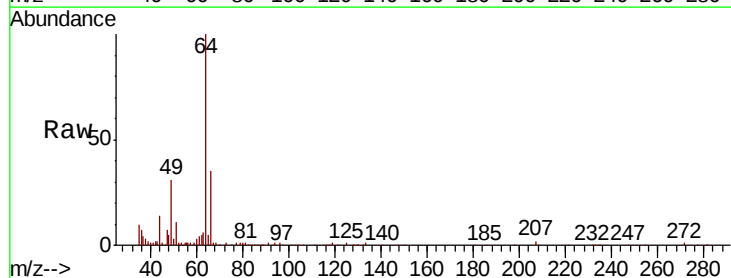
Acq: 01 Mar 2019 01:20

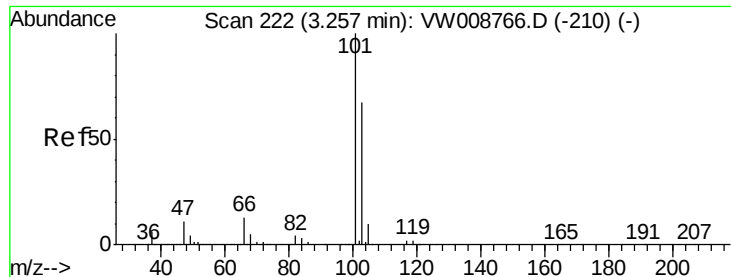
Tgt Ion: 64 Resp: 54545

Ion Ratio Lower Upper

64 100

66 34.5 25.5 38.3



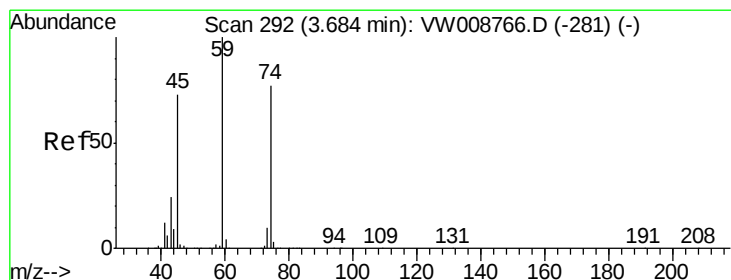
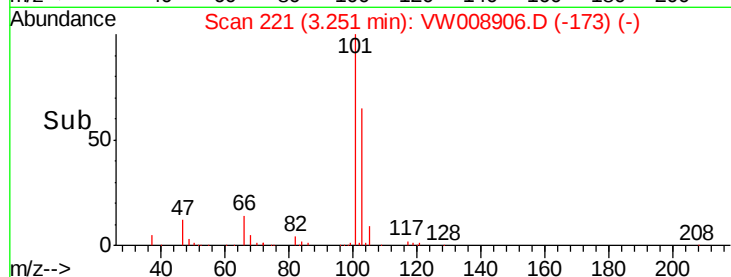
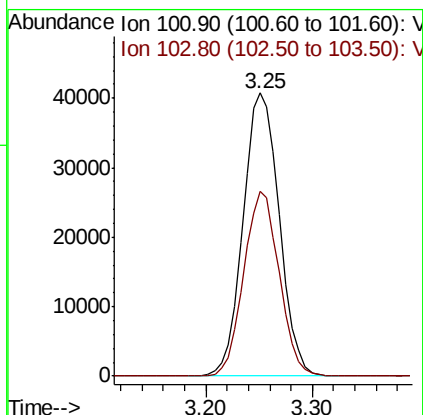
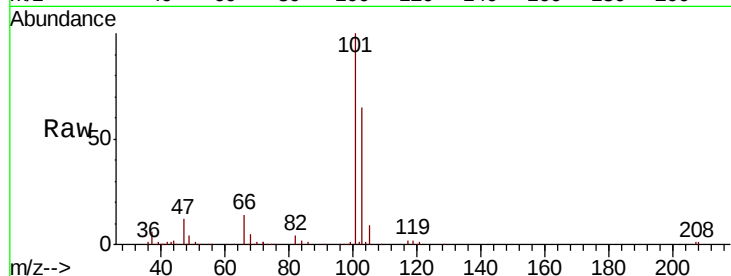


#7

Trichlorofluoromethane
 Concen: 20.874 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW008906.D
 Acq: 01 Mar 2019 01:20

Instrument :
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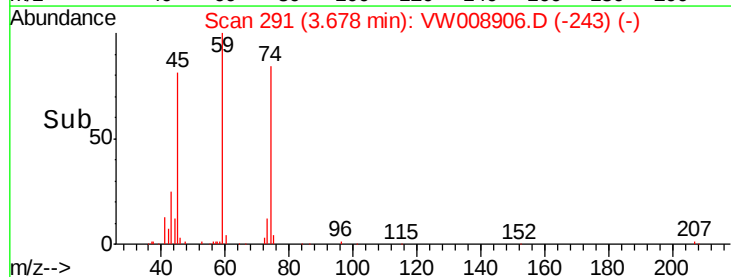
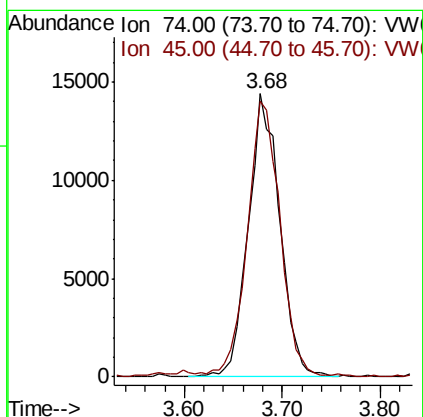
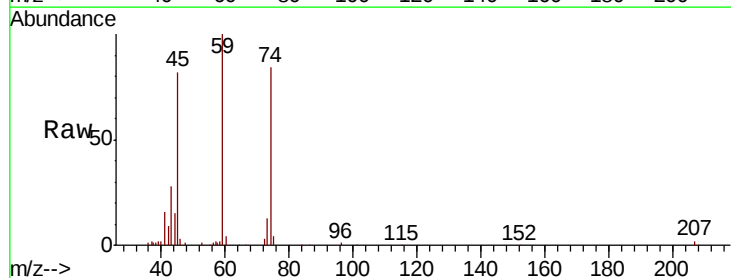
Tot Ion:101 Resp: 97067
 Ion Ratio Lower Upper
 101 100
 103 65.4 53.9 80.9



#8

Diethyl Ether
 Concen: 21.836 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW008906.D
 Acq: 01 Mar 2019 01:20

Tgt Ion: 74 Resp: 32146
 Ion Ratio Lower Upper
 74 100
 45 99.9 50.2 150.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.256 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.00 min

Lab File: VW008906.D

Acq: 01 Mar 2019 01:20

Instrument :

MSVOA_W

ClientSampleId :

VW0228SBSD02

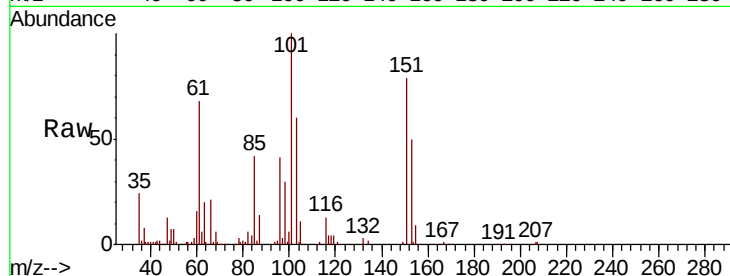
Tot Ion:101 Resp: 60023

Ion Ratio Lower Upper

101 100

85 44.0 36.0 54.0

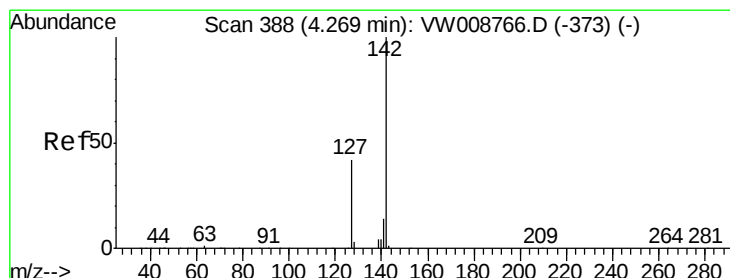
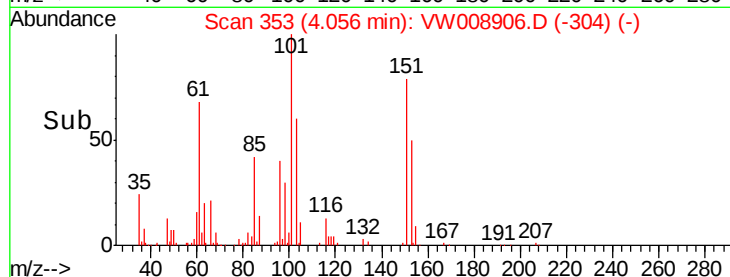
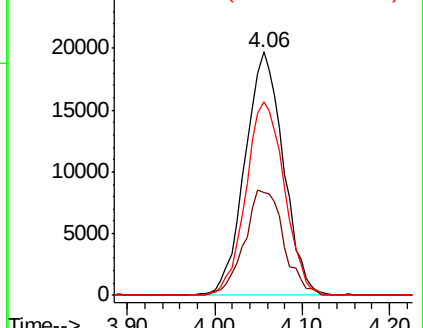
151 79.9 65.5 98.3



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: 17.092 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW008906.D

Acq: 01 Mar 2019 01:20

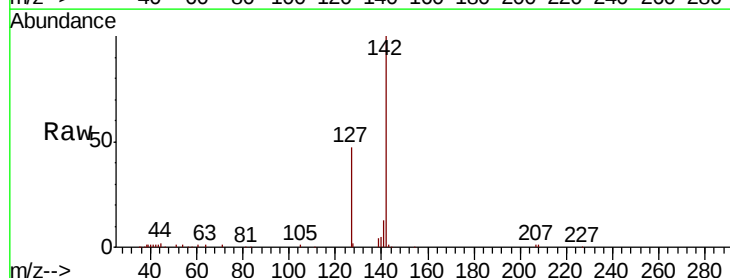
Tgt Ion:142 Resp: 60354

Ion Ratio Lower Upper

142 100

127 43.8 35.3 52.9

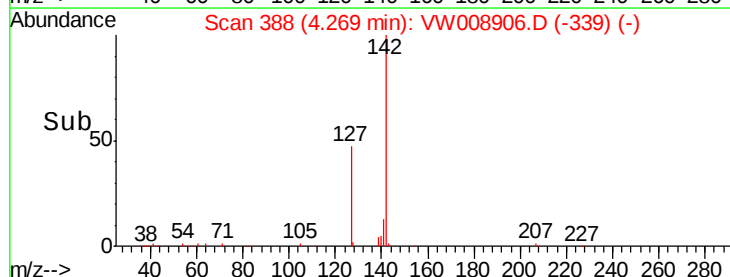
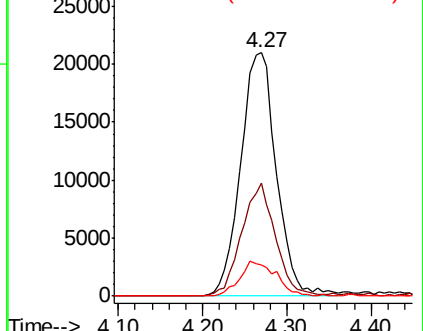
141 14.6 11.7 17.5

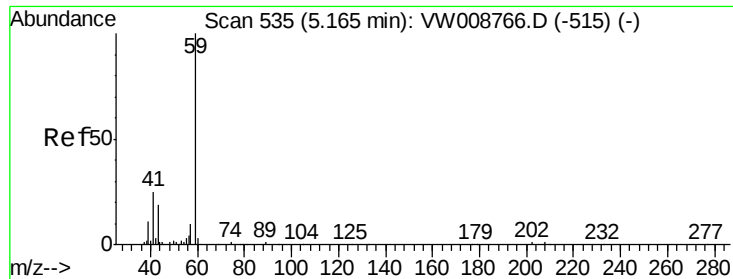


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



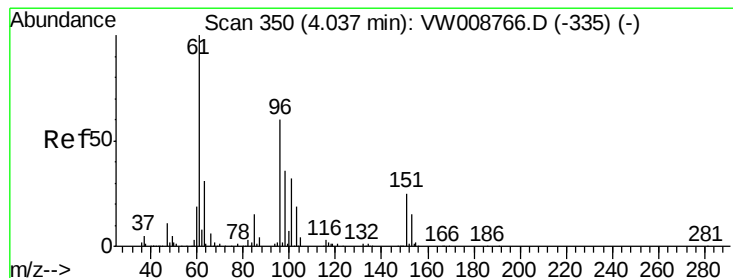
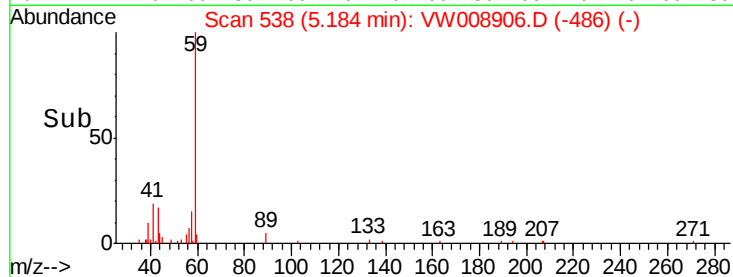
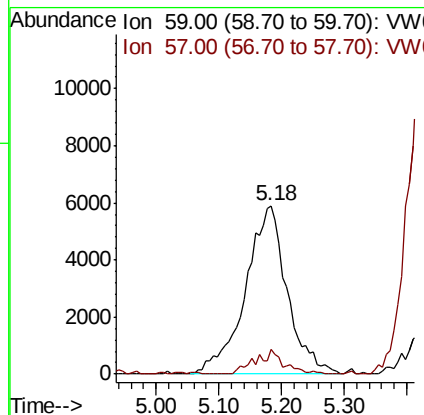
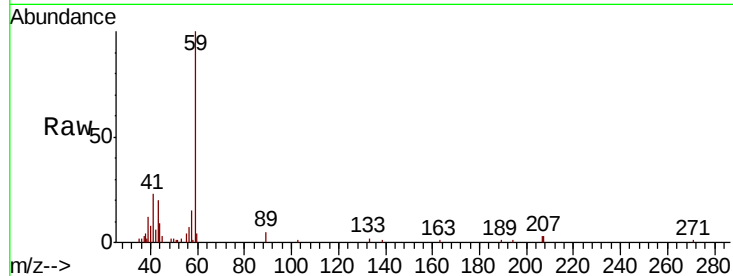


#11

Tert butyl alcohol
Concen: 113.991 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.02 min
Lab File: VW008906.D
Acq: 01 Mar 2019 01:20

Instrument :
MSVOA_W
ClientSampleId :
VW0228SBS02

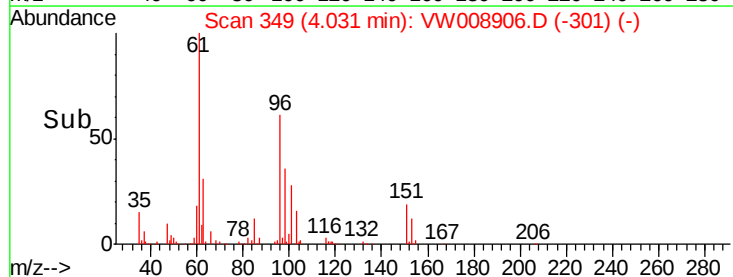
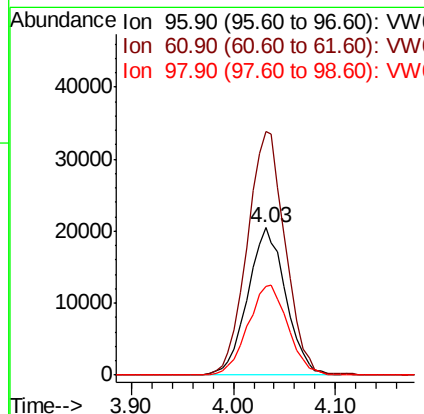
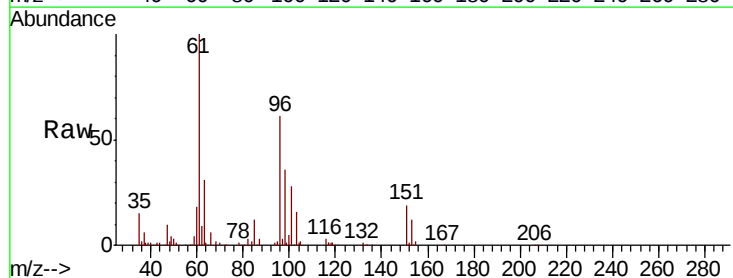
Tot Ion: 59 Resp: 27110
Ion Ratio Lower Upper
59 100
57 8.3 9.3 13.9#

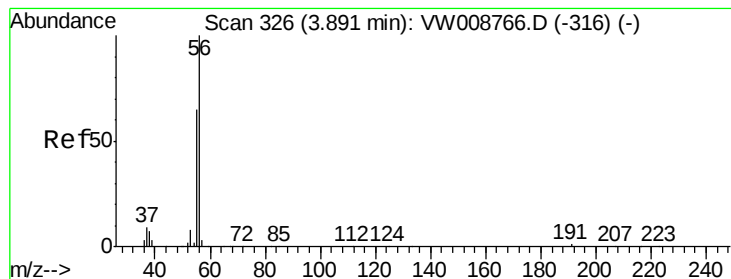


#12

1,1-Dichloroethene
Concen: 21.292 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW008906.D
Acq: 01 Mar 2019 01:20

Tgt Ion: 96 Resp: 53099
Ion Ratio Lower Upper
96 100
61 165.2 132.5 198.7
98 60.2 48.2 72.4





#13

Acrolein

Concen: 88.765 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW008906.D

Acq: 01 Mar 2019 01:20

Instrument :

MSVOA_W

ClientSampleId :

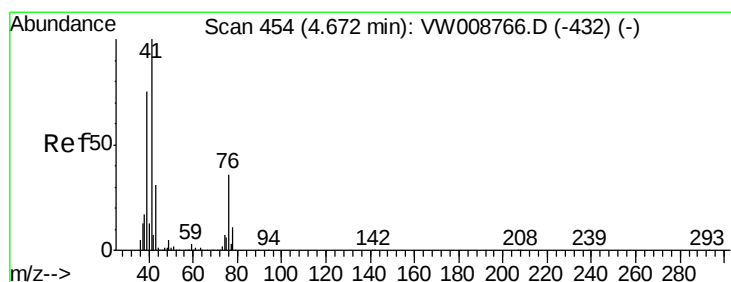
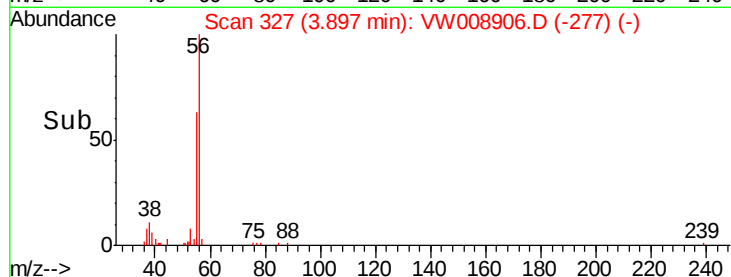
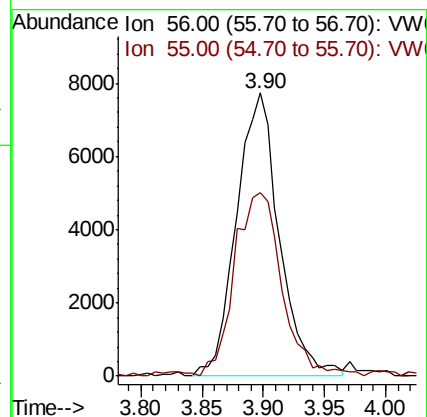
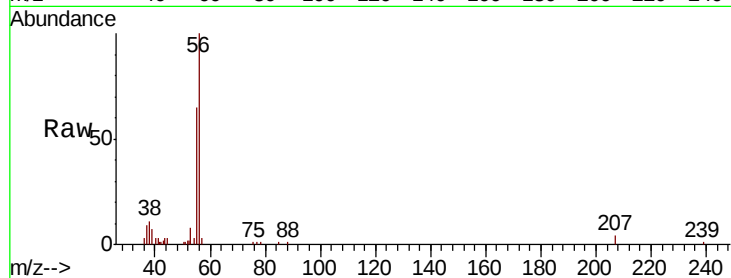
VW0228SBS02

Tot Ion: 56 Resp: 18792

Ion Ratio Lower Upper

56 100

55 71.9 56.9 85.3



#14

Allyl chloride

Concen: 21.199 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW008906.D

Acq: 01 Mar 2019 01:20

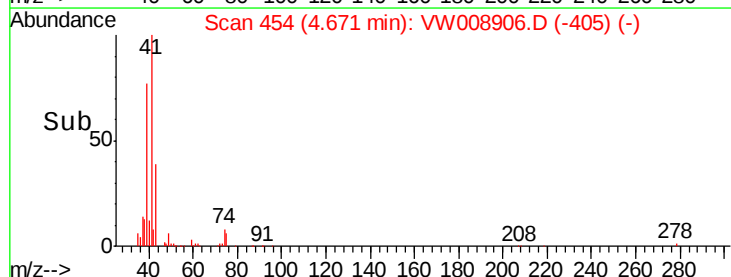
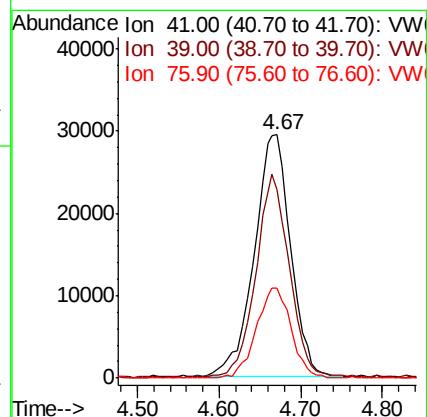
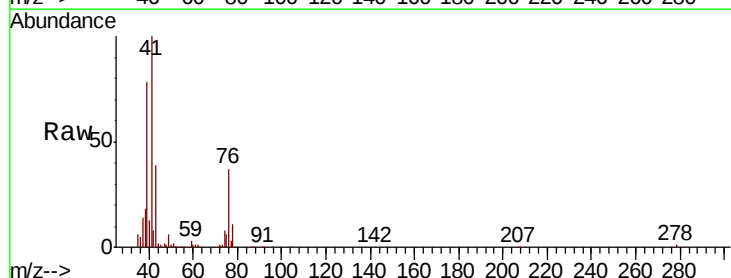
Tgt Ion: 41 Resp: 91244

Ion Ratio Lower Upper

41 100

39 79.1 60.6 91.0

76 35.6 28.6 42.8

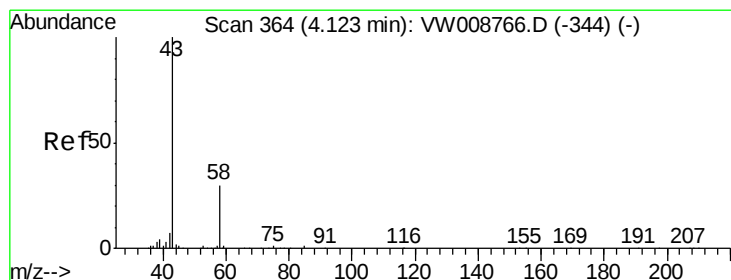
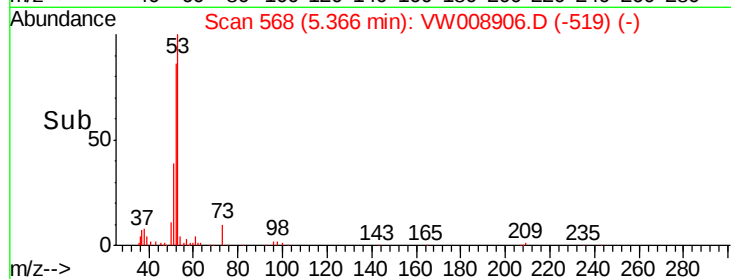
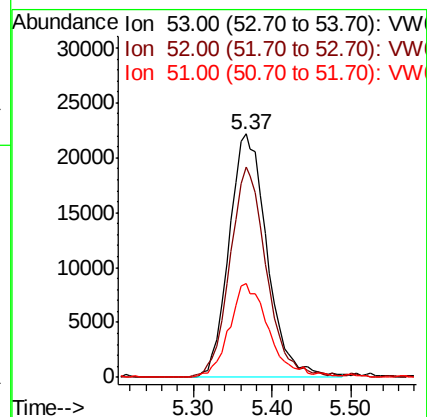
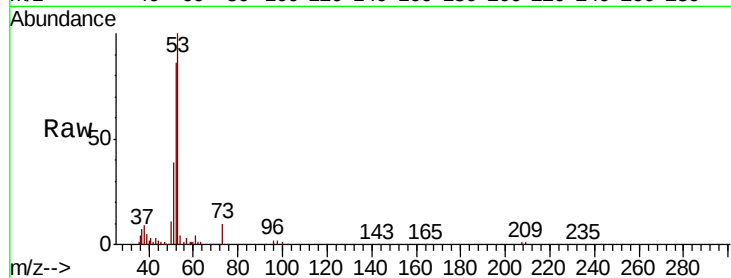




#15
 Acrylonitrile
 Concen: 117.521 ug/l
 RT: 5.37 min Scan# 568
 Delta R.T. -0.00 min
 Lab File: VW008906.D
 Acq: 01 Mar 2019 01:20

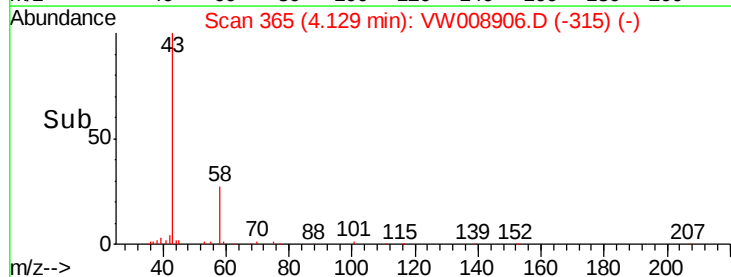
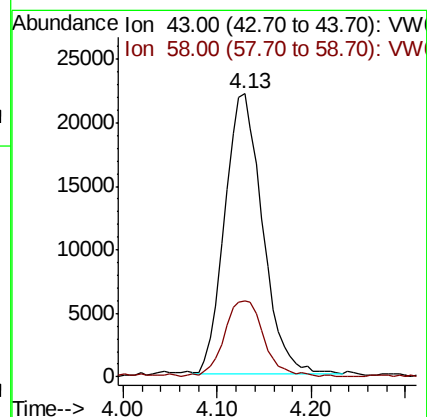
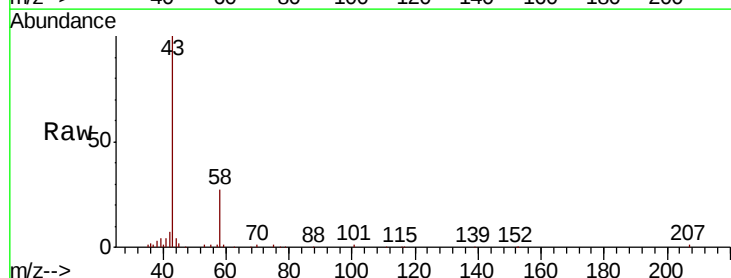
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0228SBS02

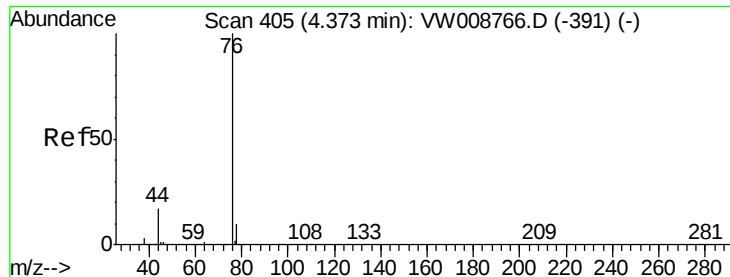
Tot Ion:	53	Resp:	74250
Ion	Ratio	Lower	Upper
53	100		
52	82.8	67.2	100.8
51	39.4	31.1	46.7



#16
 Acetone
 Concen: 98.746 ug/l
 RT: 4.13 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VW008906.D
 Acq: 01 Mar 2019 01:20

Tgt Ion:	43	Resp:	61144
Ion	Ratio	Lower	Upper
43	100		
58	27.2	23.8	35.6

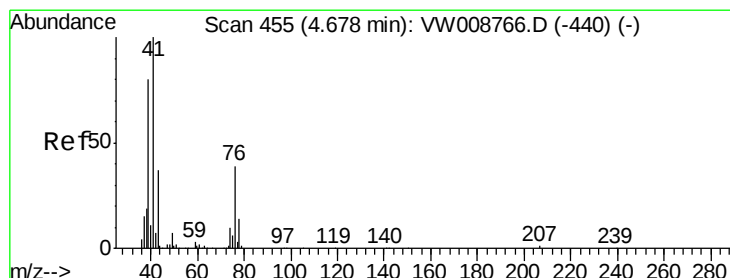
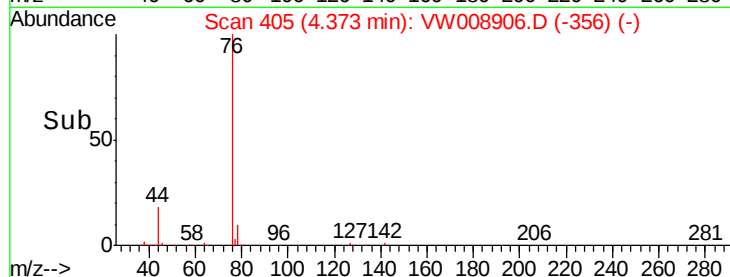
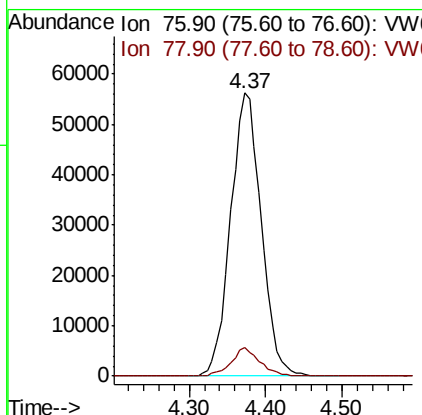
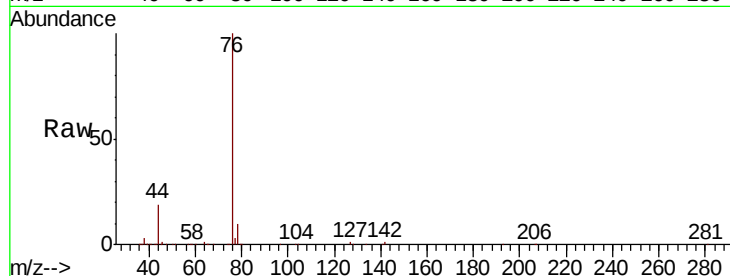




#17
Carbon Disulfide
Concen: 18.883 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW008906.D
Acq: 01 Mar 2019 01:20

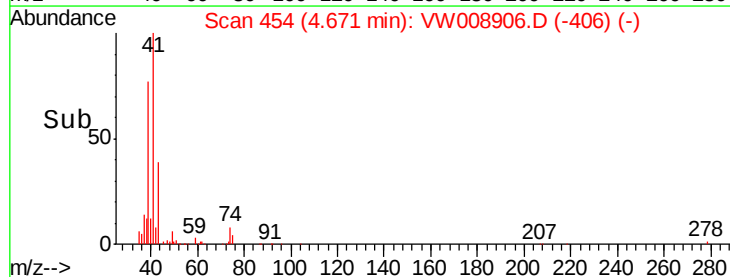
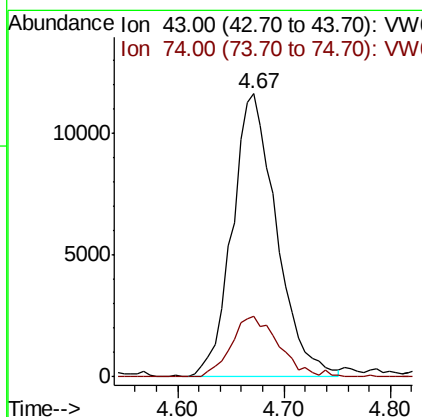
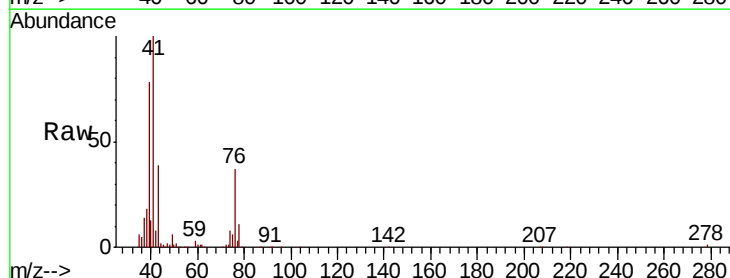
Instrument :
MSVOA_W
ClientSampleId :
VW0228SBSD02

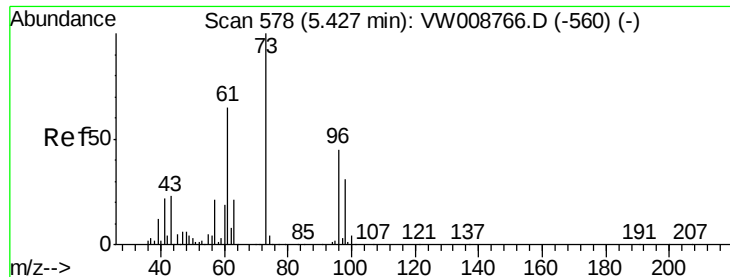
Tot Ion: 76 Resp: 156245
Ion Ratio Lower Upper
76 100
78 10.2 7.8 11.8



#18
Methyl Acetate
Concen: 23.093 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.01 min
Lab File: VW008906.D
Acq: 01 Mar 2019 01:20

Tgt Ion: 43 Resp: 33916
Ion Ratio Lower Upper
43 100
74 22.4 19.4 29.2

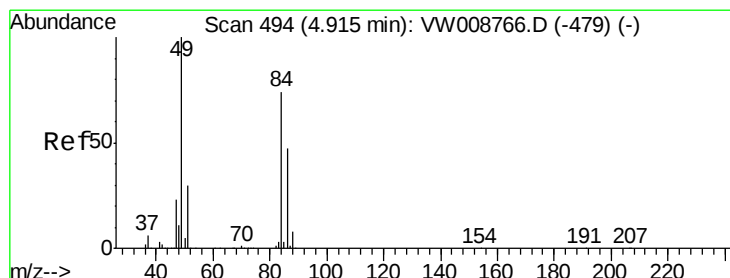
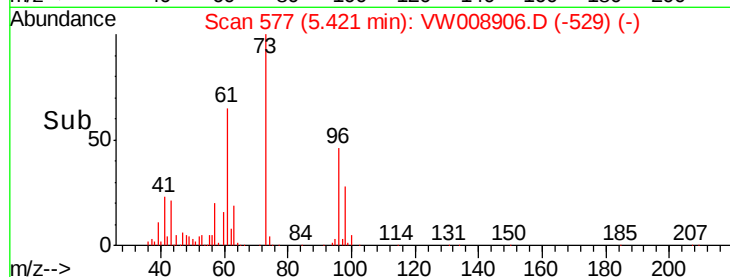
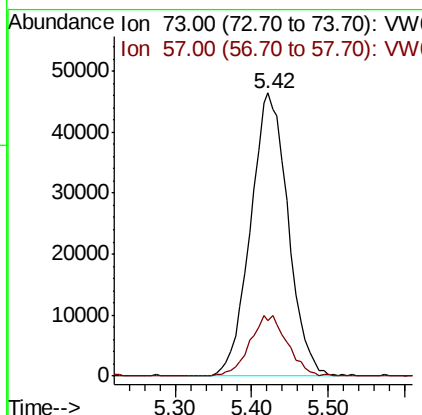
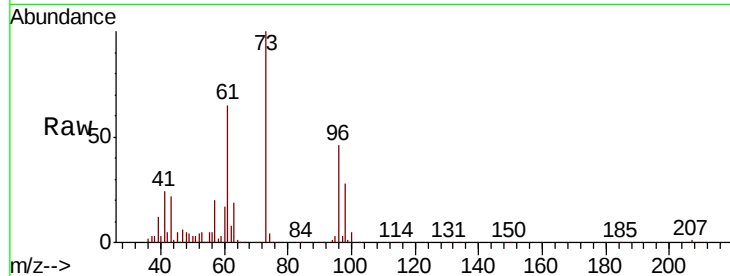




#19
Methyl tert-butyl Ether
Concen: 23.448 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW008906.D
Acq: 01 Mar 2019 01:20

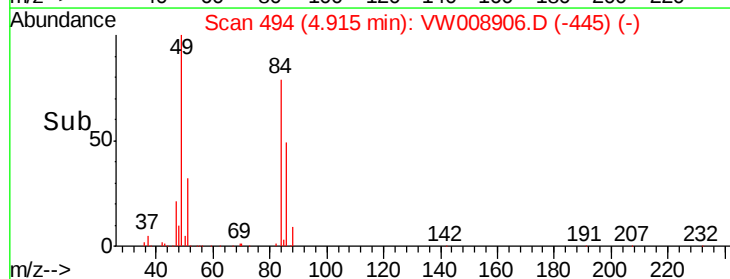
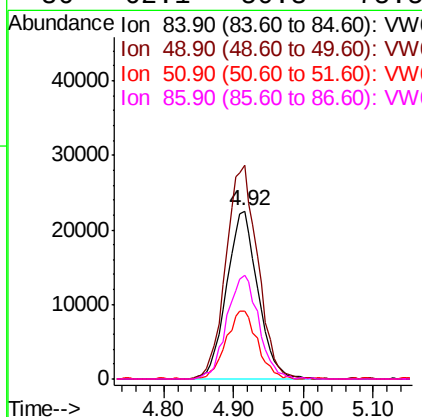
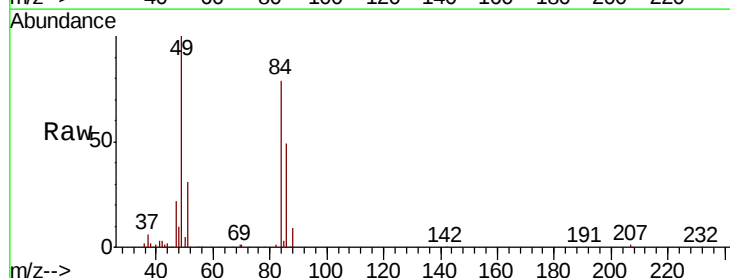
Instrument :
MSVOA_W
ClientSampleId :
VW0228SBS02

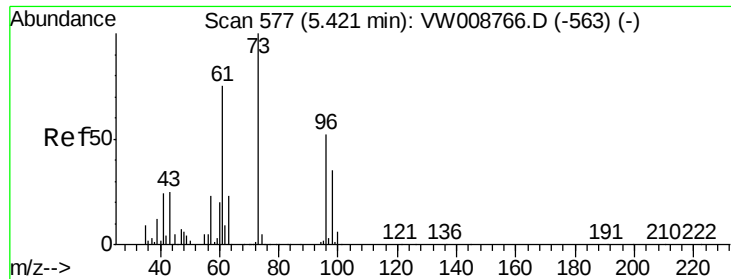
Tot Ion: 73 Resp: 158274
Ion Ratio Lower Upper
73 100
57 19.6 16.8 25.2



#20
Methylene Chloride
Concen: 19.837 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW008906.D
Acq: 01 Mar 2019 01:20

Tgt Ion: 84 Resp: 69911
Ion Ratio Lower Upper
84 100
49 127.2 108.2 162.2
51 40.1 32.7 49.1
86 62.1 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 22.042 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW008906.D

Acq: 01 Mar 2019 01:20

Instrument :

MSVOA_W

ClientSampleId :

VW0228SBSD02

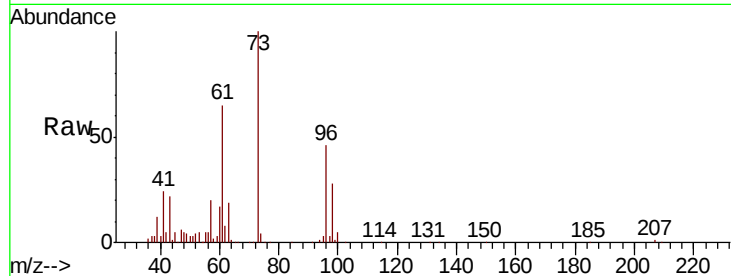
Tot Ion: 96 Resp: 63584

Ion Ratio Lower Upper

96 100

61 142.5 114.6 171.8

98 61.7 54.0 81.0

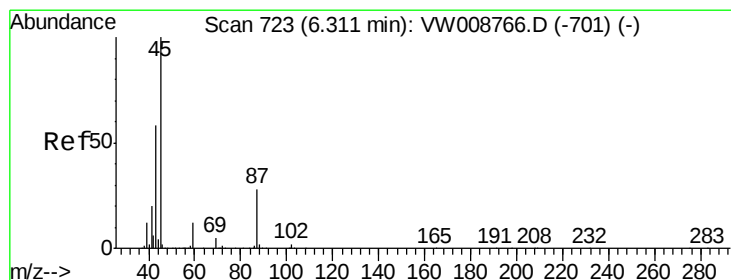
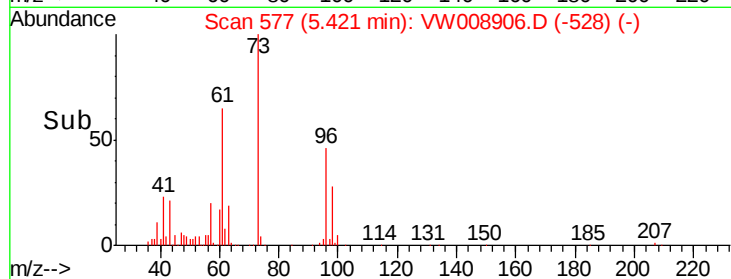
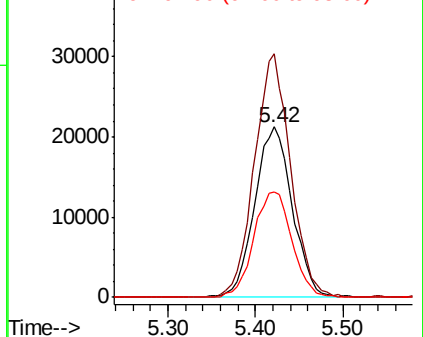


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 23.134 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW008906.D

Acq: 01 Mar 2019 01:20

Tgt Ion: 45 Resp: 198629

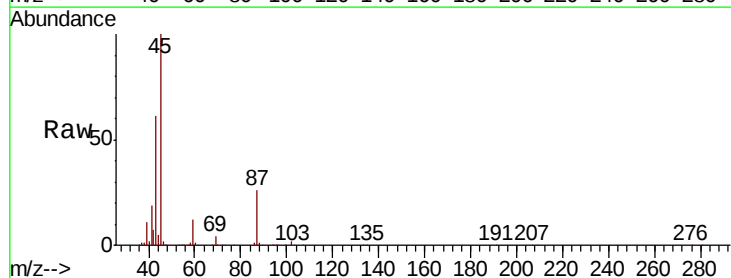
Ion Ratio Lower Upper

45 100

43 60.3 46.1 69.1

87 26.1 22.2 33.4

59 12.0 10.0 15.0



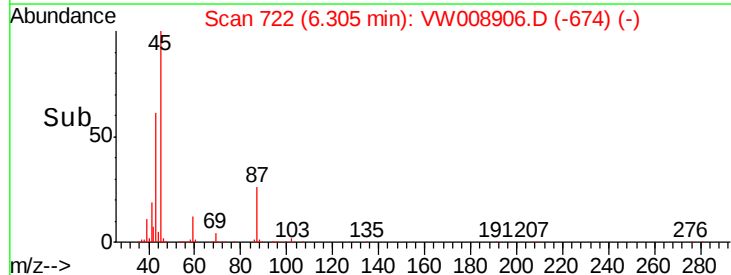
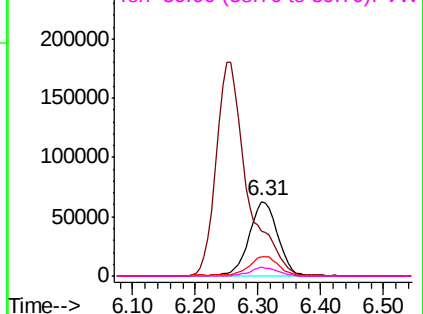
Abundance

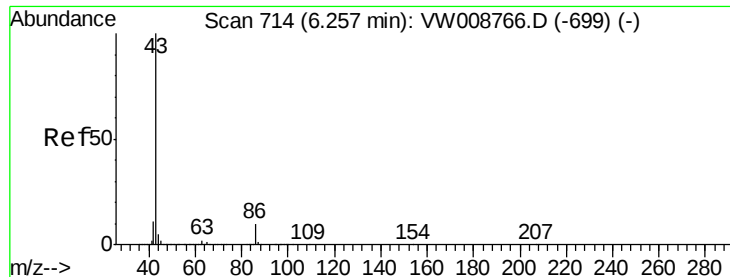
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 115.865 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW008906.D

Acq: 01 Mar 2019 01:20

Instrument :

MSVOA_W

ClientSampleID :

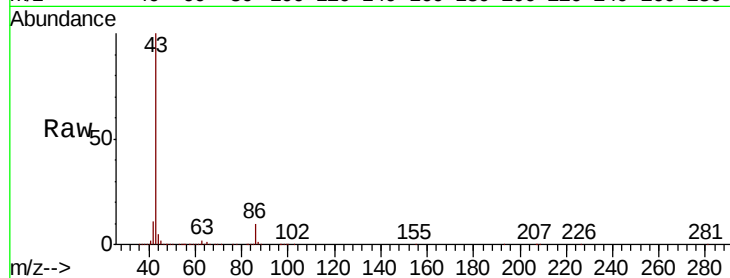
VW0228SBSD02

Tot Ion: 43 Resp: 614648

Ion Ratio Lower Upper

43 100

86 9.8 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

200000

150000

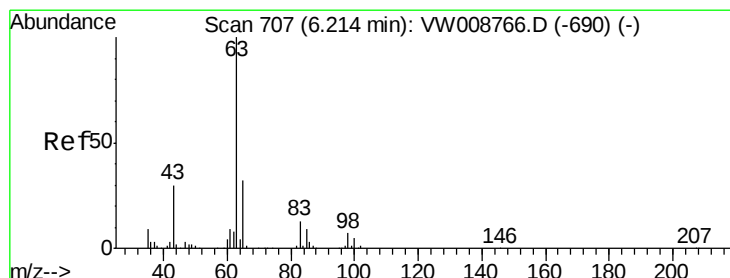
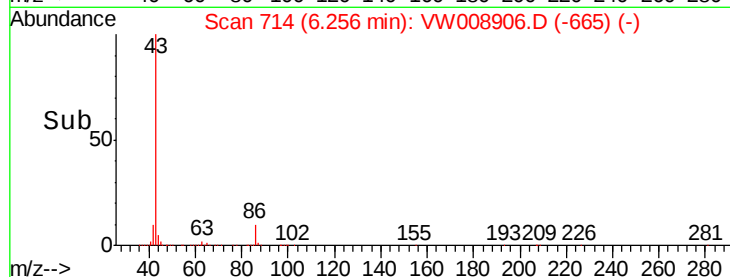
100000

50000

0

6.10 6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 22.741 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW008906.D

Acq: 01 Mar 2019 01:20

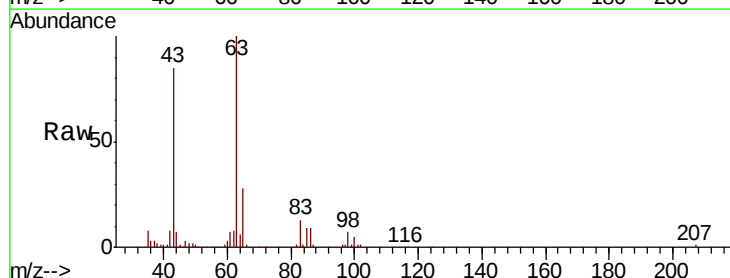
Tgt Ion: 63 Resp: 113146

Ion Ratio Lower Upper

63 100

98 6.8 3.5 10.6

100 4.6 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

50000

40000

30000

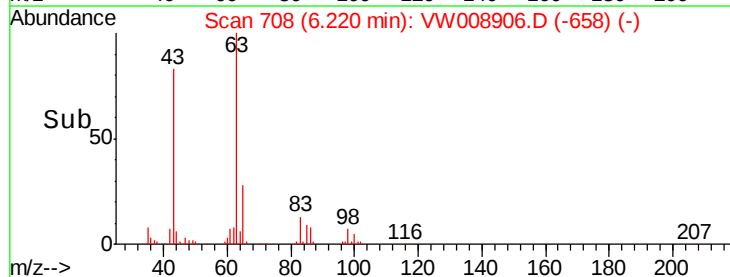
20000

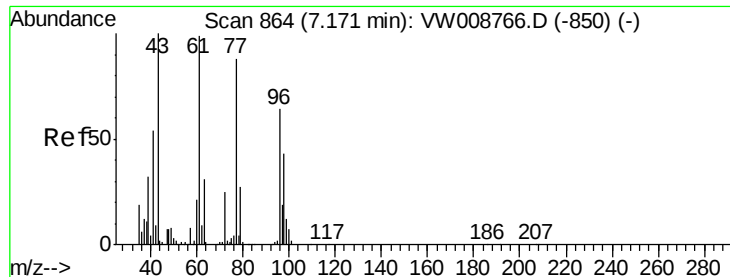
10000

0

6.10 6.20 6.30

Time-->





#25

2-Butanone

Concen: 113.428 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW008906.D

Acq: 01 Mar 2019 01:20

Instrument :

MSVOA_W

ClientSampleId :

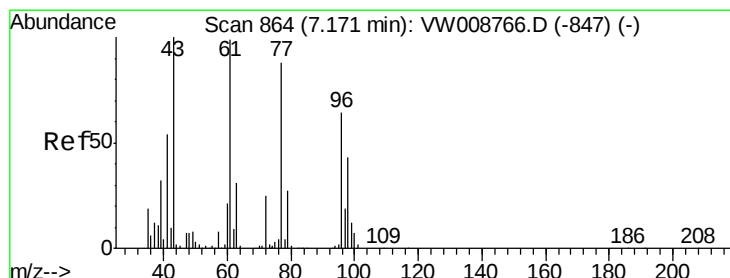
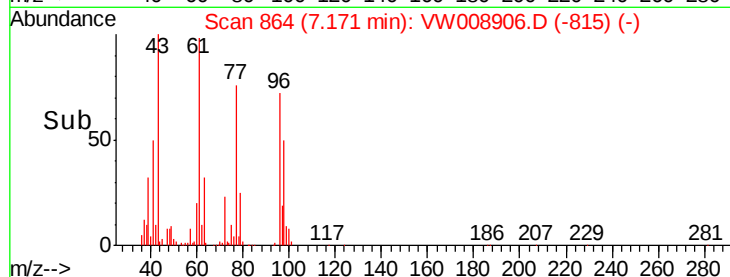
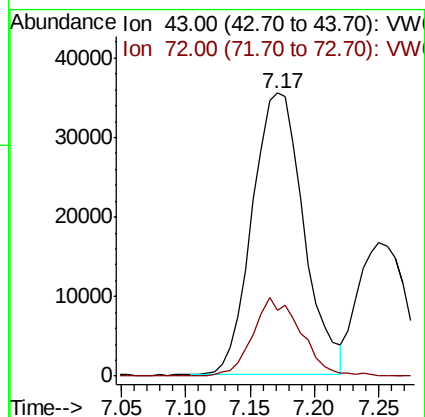
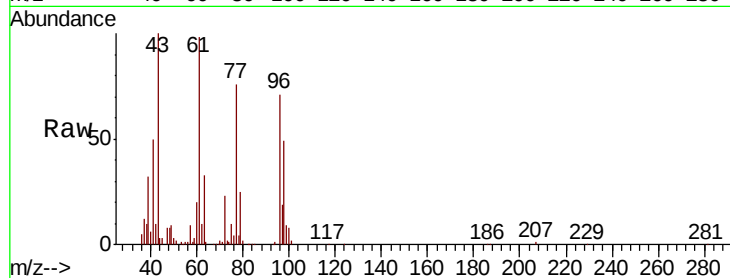
VW0228SBSD02

Tot Ion: 43 Resp: 98194

Ion Ratio Lower Upper

43 100

72 23.4 19.7 29.5



#26

2,2-Dichloropropane

Concen: 18.619 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW008906.D

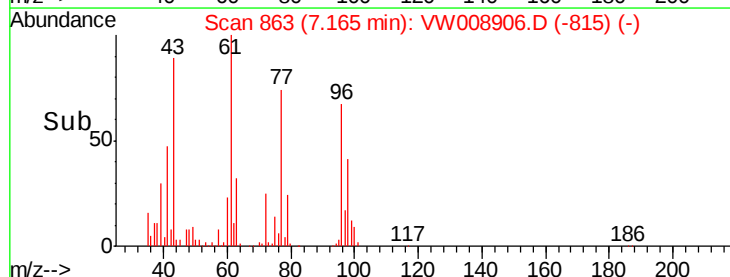
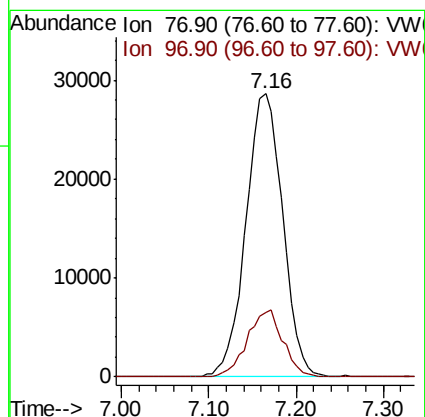
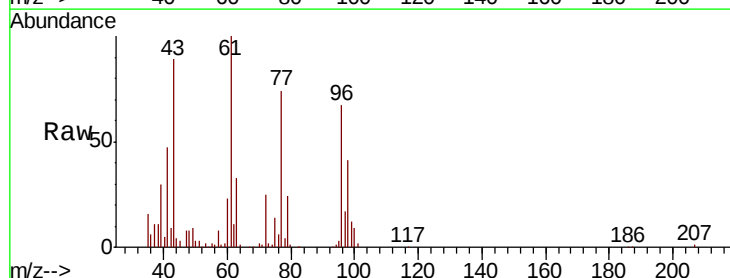
Acq: 01 Mar 2019 01:20

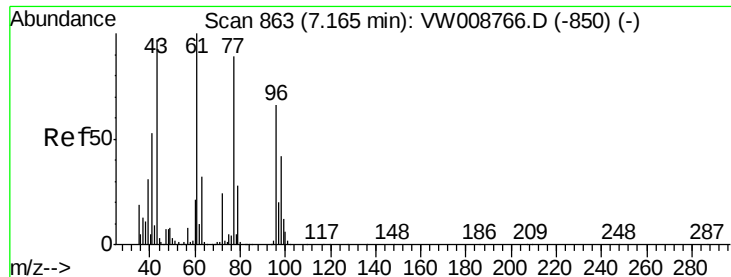
Tgt Ion: 77 Resp: 84104

Ion Ratio Lower Upper

77 100

97 22.8 11.0 33.0



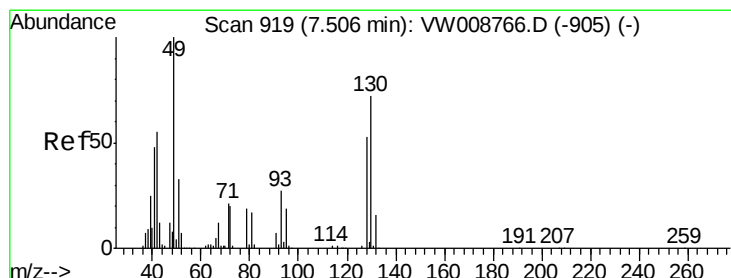
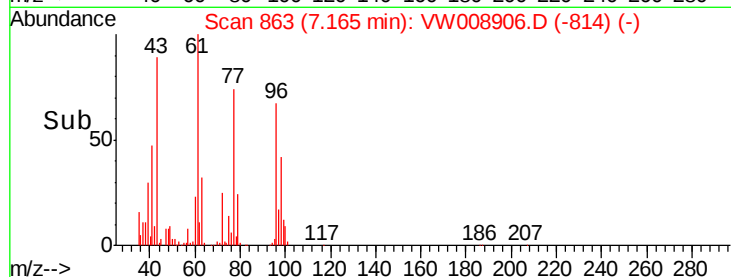
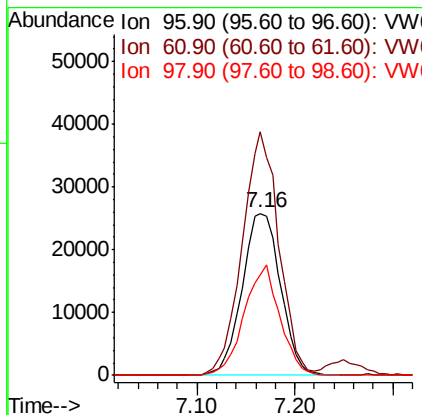
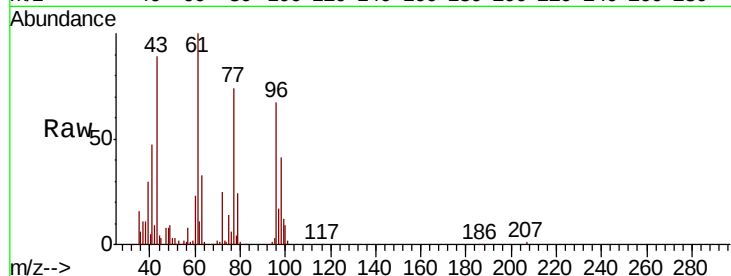


#27

cis-1,2-Dichloroethene
Concen: 22.818 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW008906.D
Acq: 01 Mar 2019 01:20

Instrument :
MSVOA_W
ClientSampleId :
VW0228SBSD02

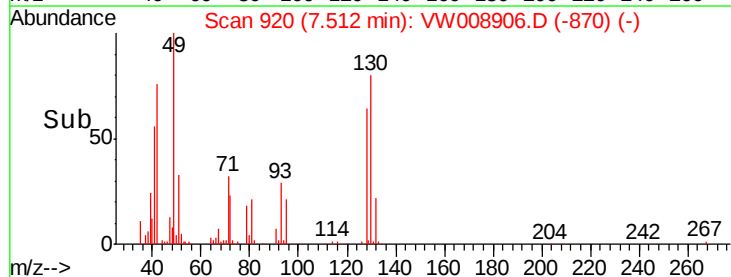
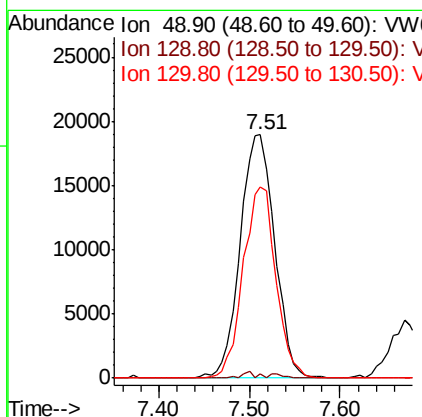
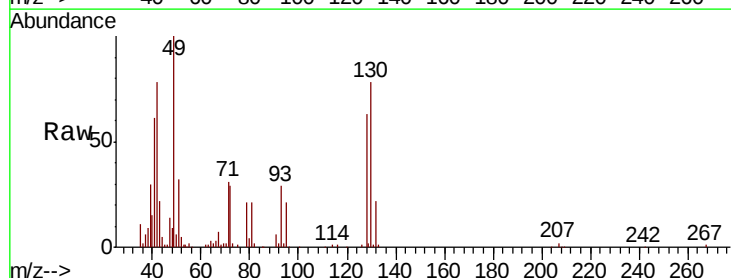
Tot Ion: 96 Resp: 70411
Ion Ratio Lower Upper
96 100
61 143.5 0.0 302.6
98 63.0 0.0 130.0

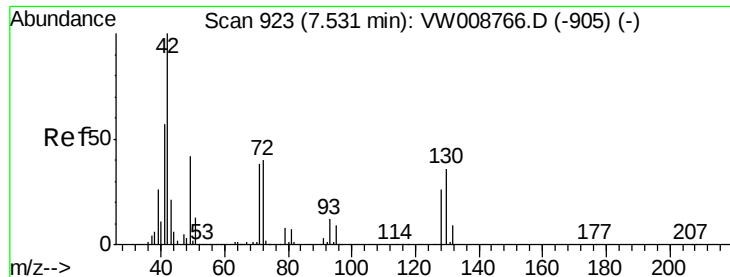


#28

Bromochloromethane
Concen: 23.969 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW008906.D
Acq: 01 Mar 2019 01:20

Tgt Ion: 49 Resp: 49904
Ion Ratio Lower Upper
49 100
129 0.7 0.0 2.6
130 74.1 61.3 91.9

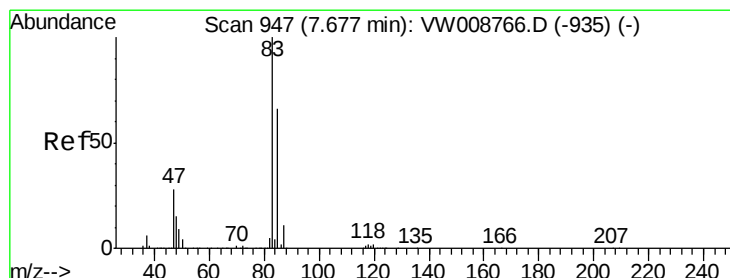
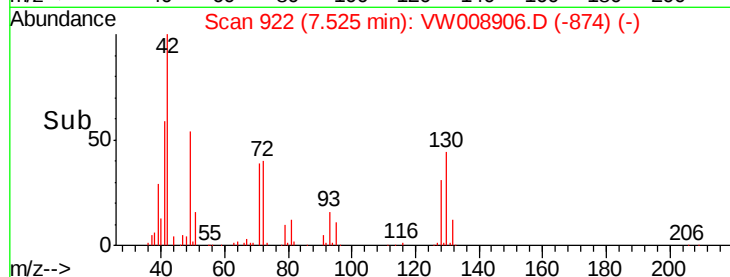
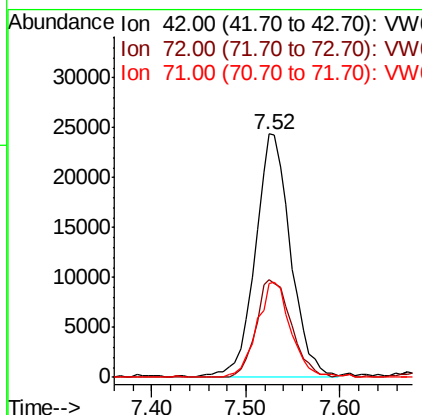
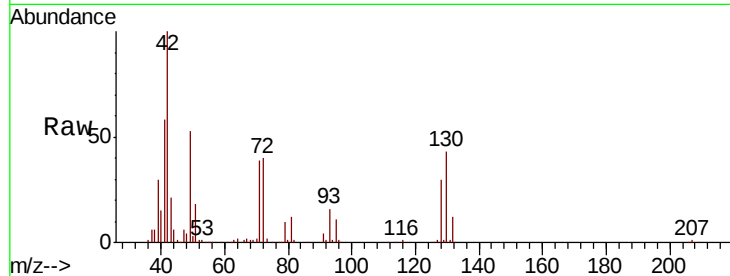




#29
Tetrahydrofuran
Concen: 115.007 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW008906.D
Acq: 01 Mar 2019 01:20

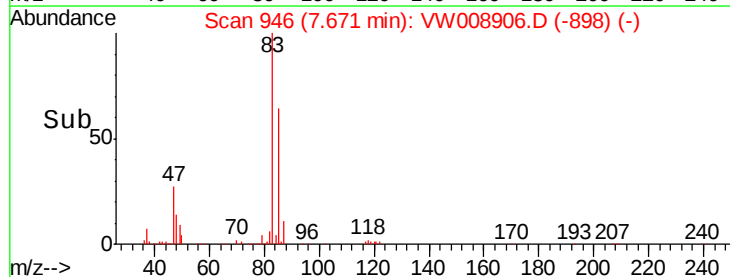
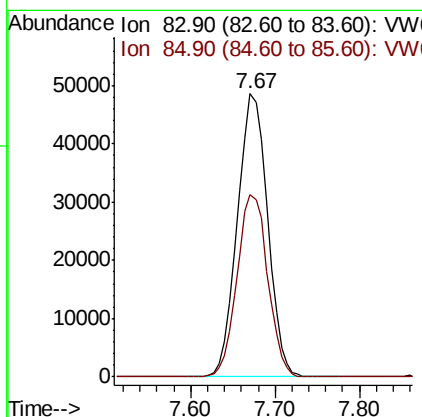
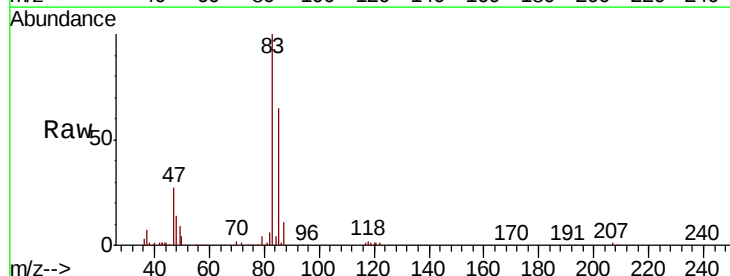
Instrument :
MSVOA_W
ClientSampleId :
VW0228SBSD02

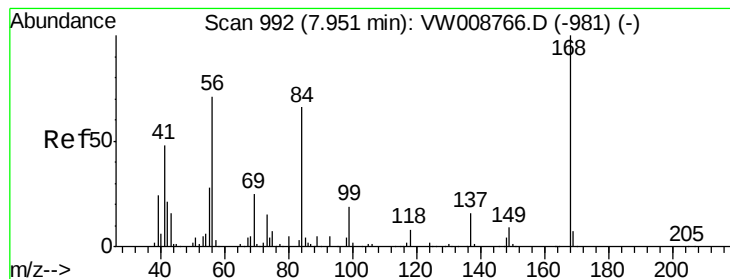
Tot Ion: 42 Resp: 63447
Ion Ratio Lower Upper
42 100
72 40.5 32.7 49.1
71 38.3 31.3 46.9



#30
Chloroform
Concen: 23.096 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW008906.D
Acq: 01 Mar 2019 01:20

Tgt Ion: 83 Resp: 117883
Ion Ratio Lower Upper
83 100
85 64.5 52.6 79.0





#31

Cyclohexane

Concen: 20.714 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW008906.D

Acq: 01 Mar 2019 01:20

Instrument :

MSVOA_W

ClientSampleId :

VW0228SBSD02

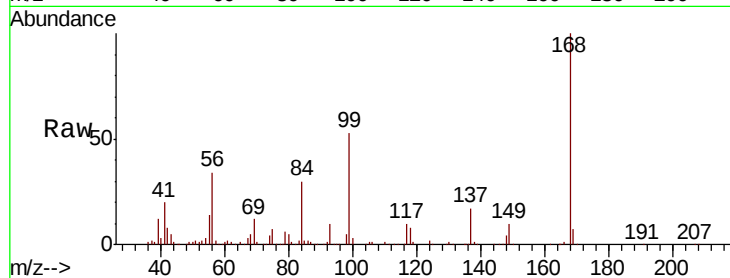
Tot Ion: 56 Resp: 104319

Ion Ratio Lower Upper

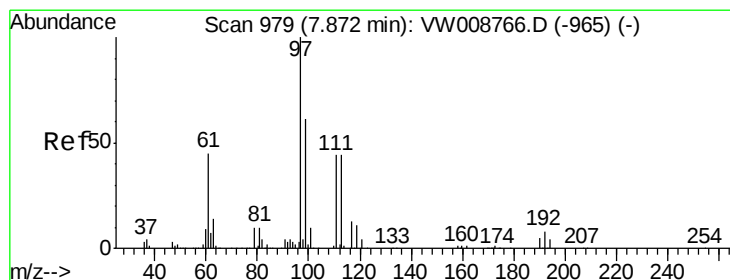
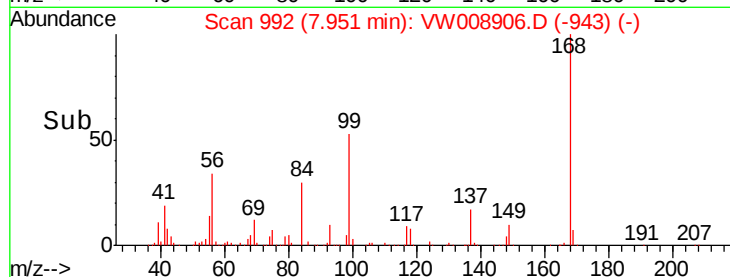
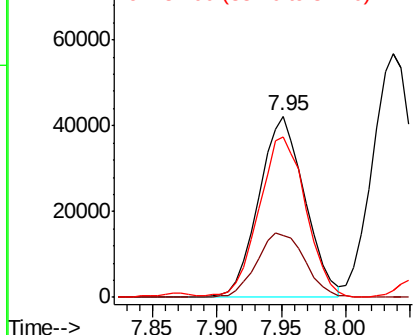
56 100

69 34.1 28.2 42.4

84 86.9 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: 22.667 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW008906.D

Acq: 01 Mar 2019 01:20

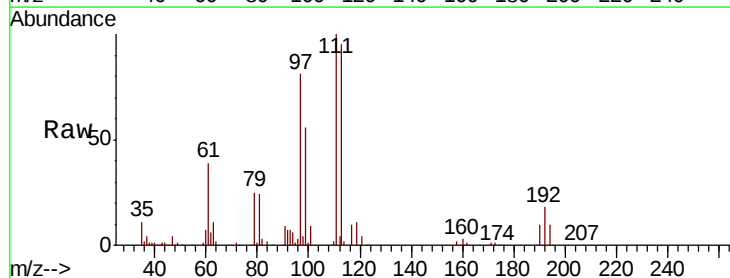
Tgt Ion: 97 Resp: 105213

Ion Ratio Lower Upper

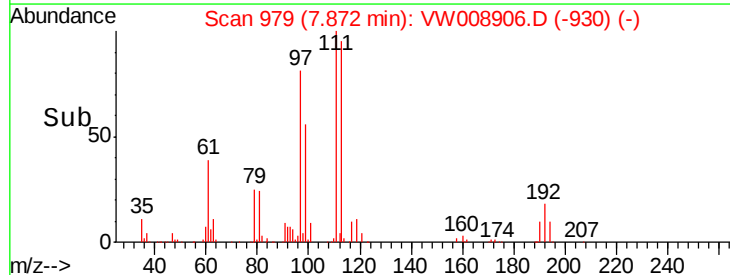
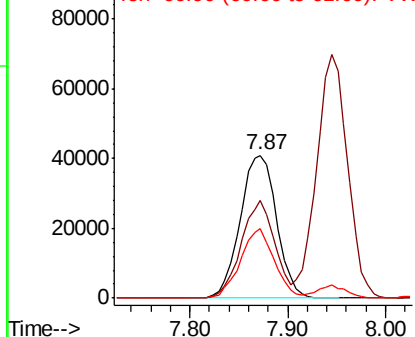
97 100

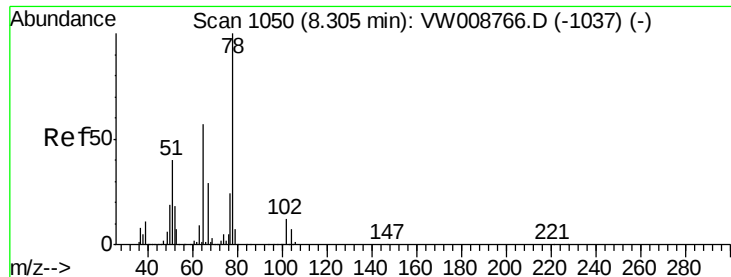
99 63.2 50.8 76.2

61 45.4 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

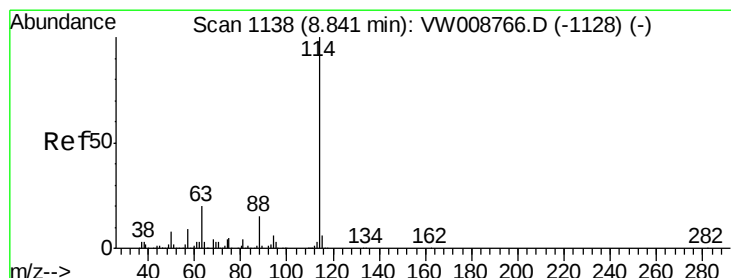
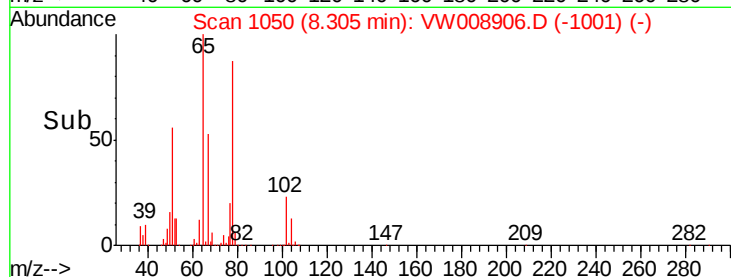
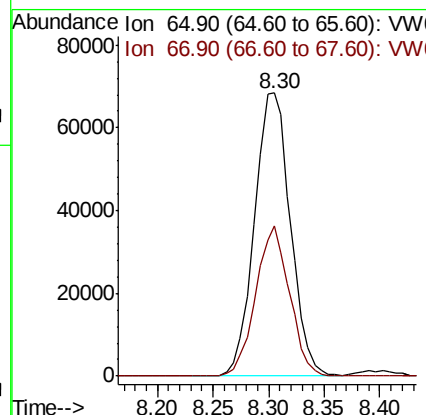
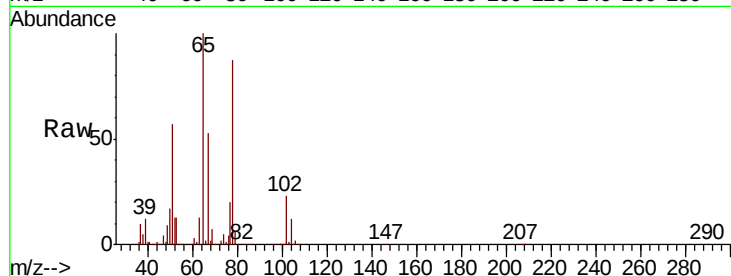




#33
 1,2-Dichloroethane-d4
 Concen: 57.510 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW008906.D
 Acq: 01 Mar 2019 01:20

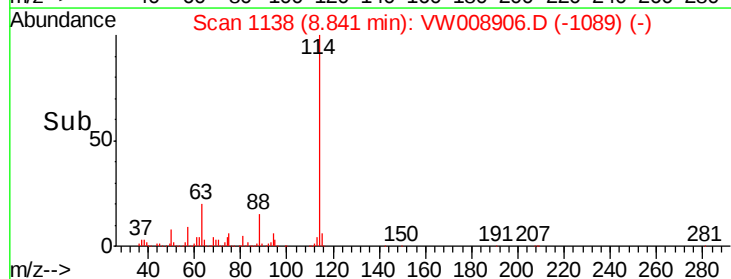
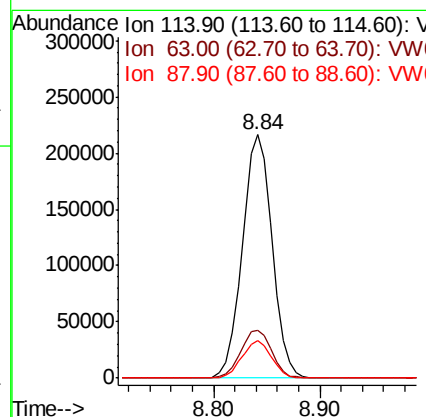
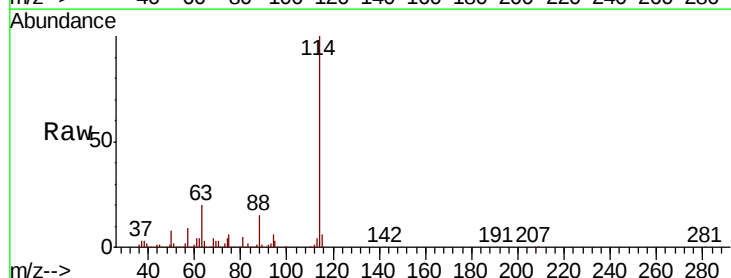
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0228SBSD02

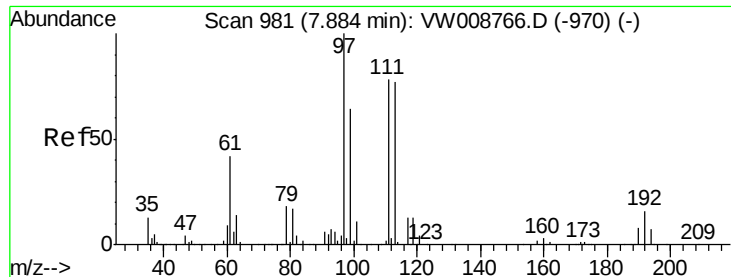
Tot Ion: 65 Resp: 153632
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008906.D
 Acq: 01 Mar 2019 01:20

Tgt Ion: 114 Resp: 424712
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 40.8
 88 15.2 0.0 30.4

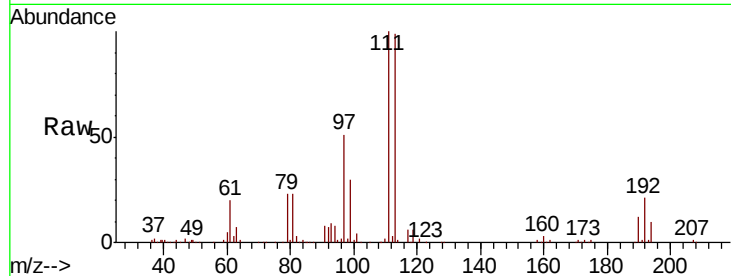




#35
 Dibromofluoromethane
 Concen: 53.784 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW008906.D
 Acq: 01 Mar 2019 01:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0228SBS02

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	81.9	122.9
192	22.2	17.1	25.7

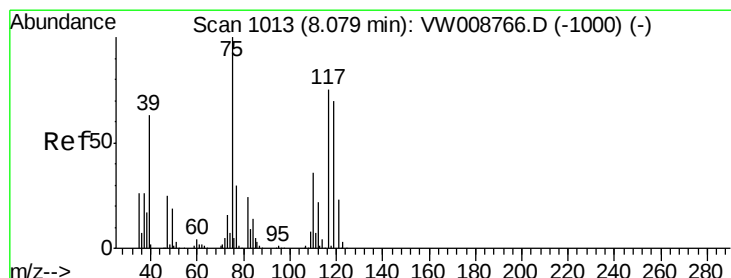
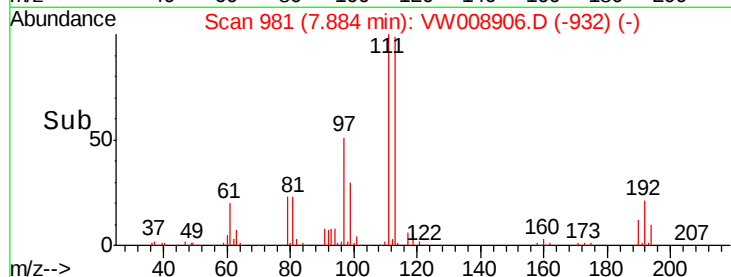
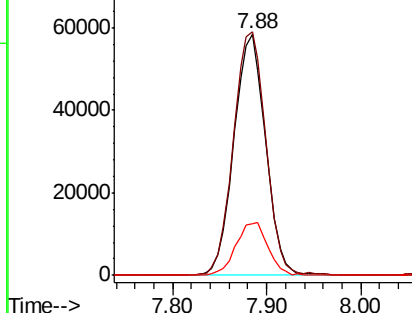


Abundance

Ion 112.80 (112.50 to 113.50): V

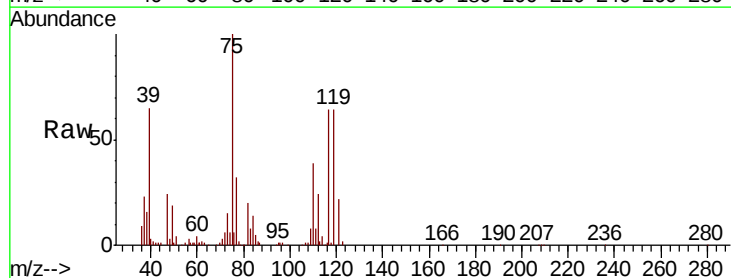
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 21.774 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW008906.D
 Acq: 01 Mar 2019 01:20

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.5	17.5	52.6
77	32.5	24.5	36.7

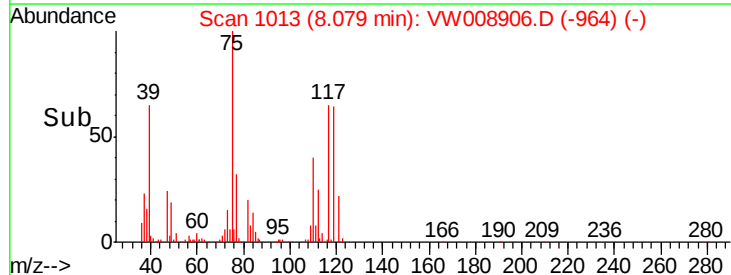
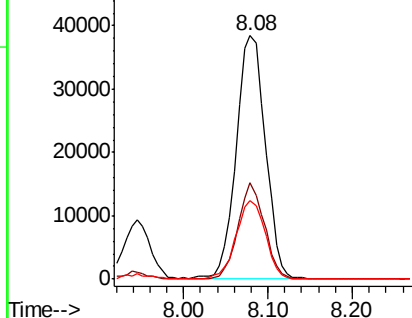


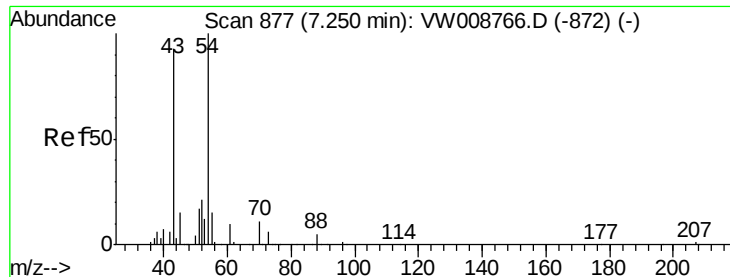
Abundance

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

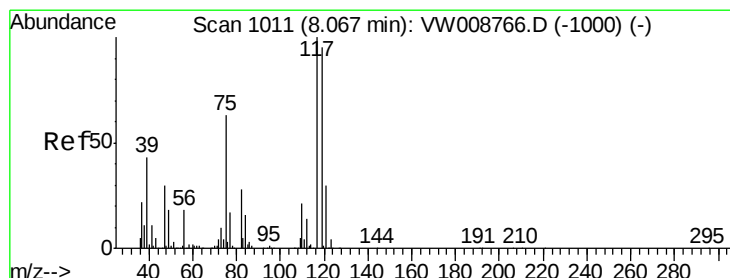
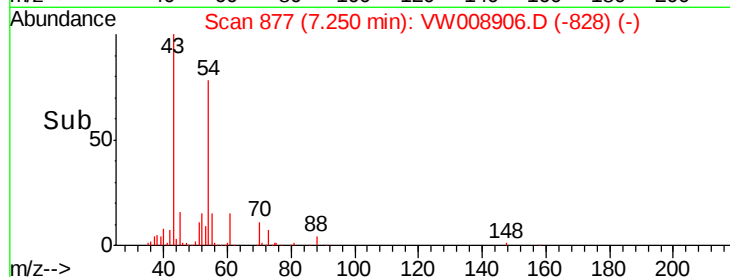
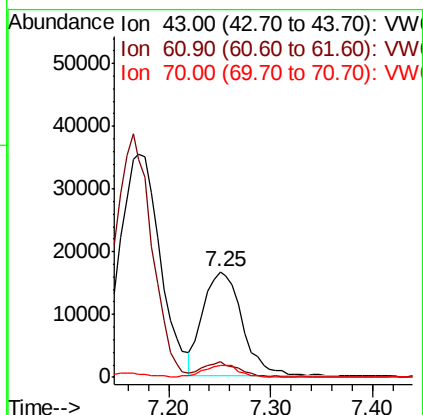
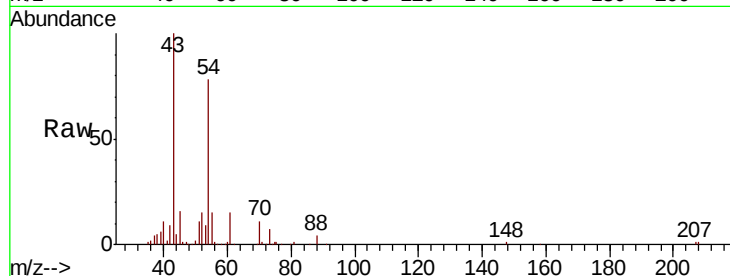




#37
Ethyl Acetate
Concen: 23.221 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW008906.D
Acq: 01 Mar 2019 01:20

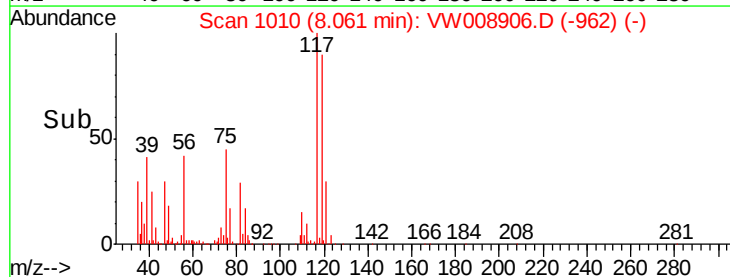
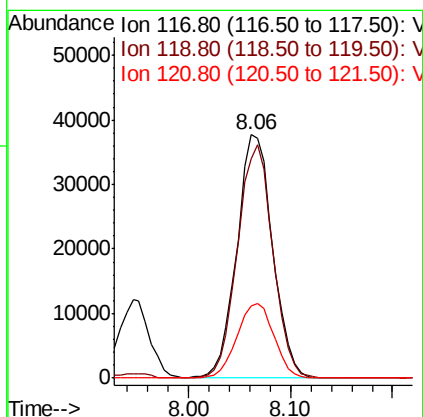
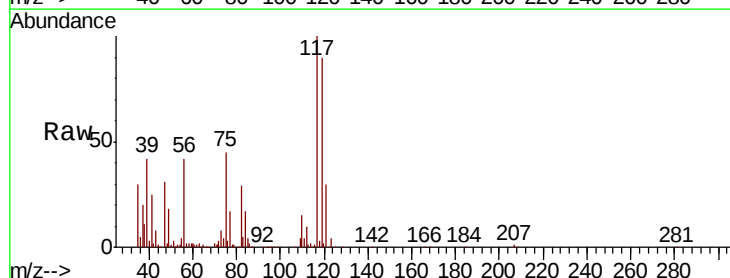
Instrument :
MSVOA_W
ClientSampleId :
VW0228SBS02

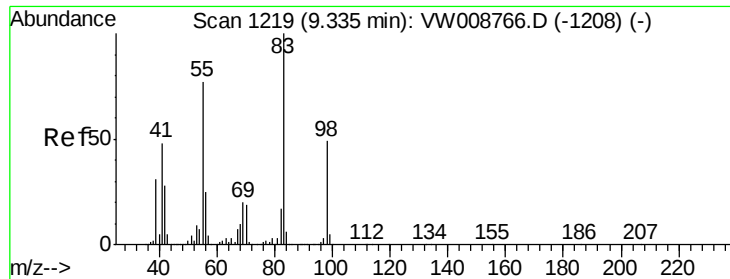
Tot Ion: 43 Resp: 44644
Ion Ratio Lower Upper
43 100
61 13.6 9.8 14.8
70 10.5 8.4 12.6



#38
Carbon Tetrachloride
Concen: 21.035 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW008906.D
Acq: 01 Mar 2019 01:20

Tgt Ion: 117 Resp: 91713
Ion Ratio Lower Upper
117 100
119 89.9 76.1 114.1
121 29.8 24.0 36.0

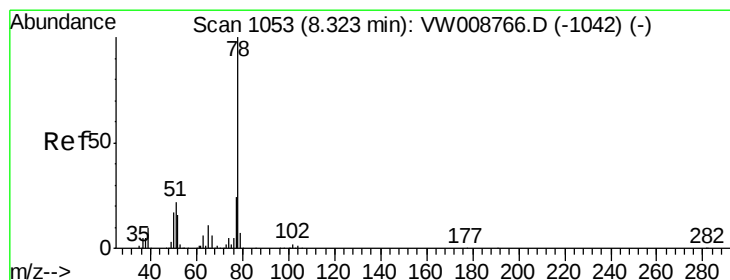
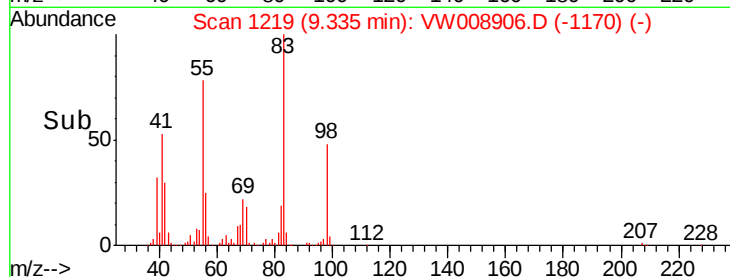
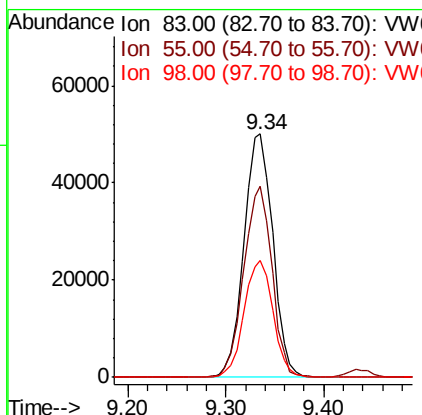
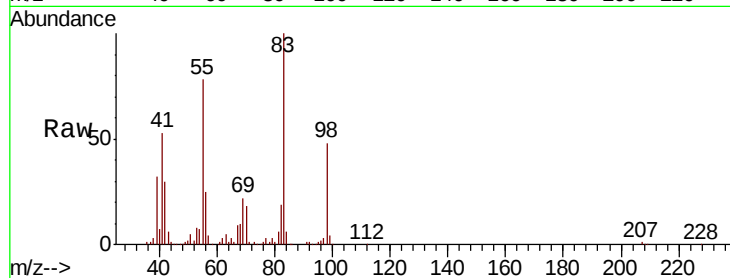




#39
Methvlcvclohexane
Concen: 19.948 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW008906.D
Acq: 01 Mar 2019 01:20

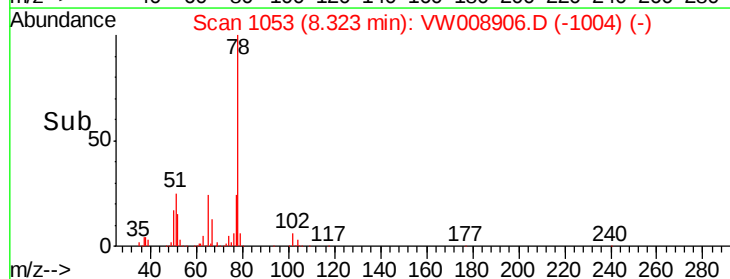
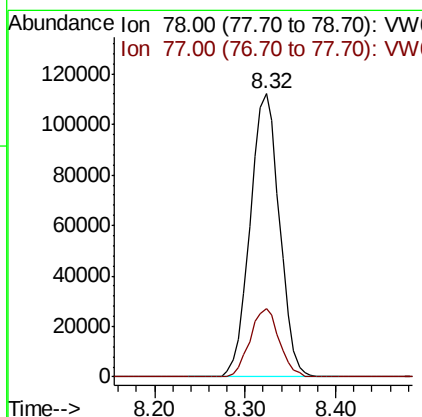
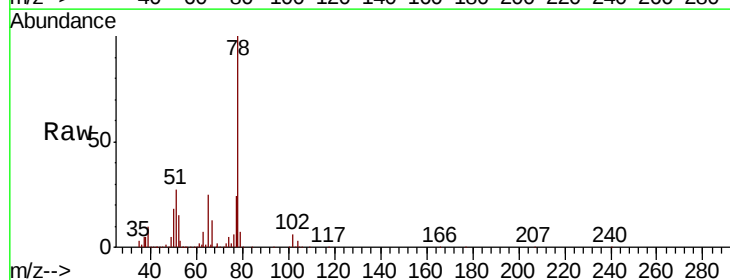
Instrument :
MSVOA_W
ClientSampleId :
VW0228SBSD02

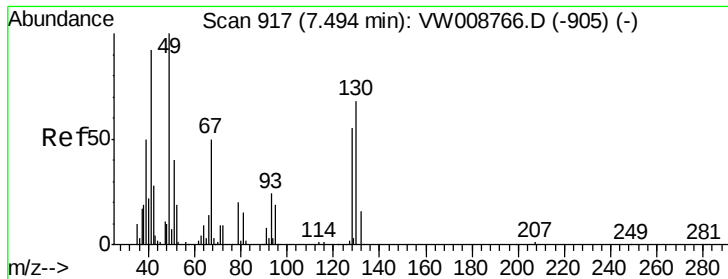
Tot Ion: 83 Resp: 102869
Ion Ratio Lower Upper
83 100
55 78.2 61.2 91.8
98 47.8 39.4 59.2



#40
Benzene
Concen: 22.260 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW008906.D
Acq: 01 Mar 2019 01:20

Tgt Ion: 78 Resp: 251268
Ion Ratio Lower Upper
78 100
77 24.1 19.3 28.9

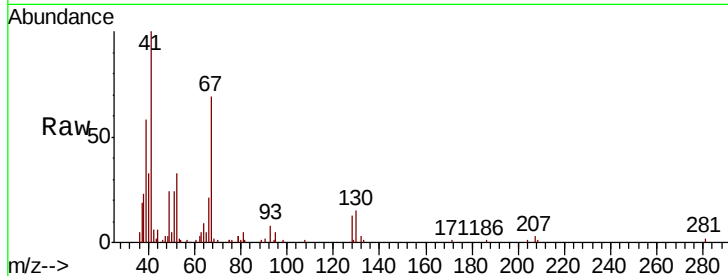




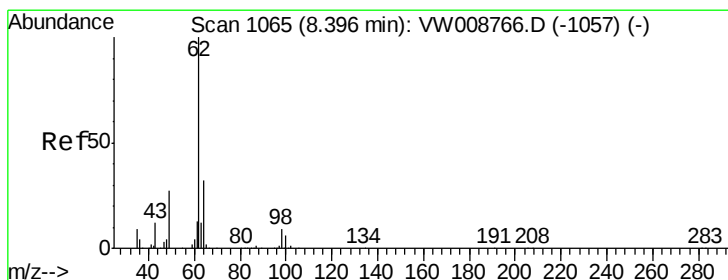
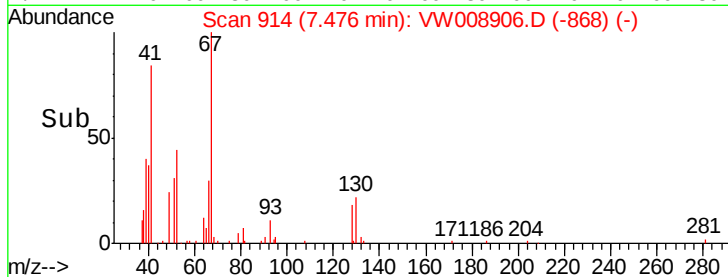
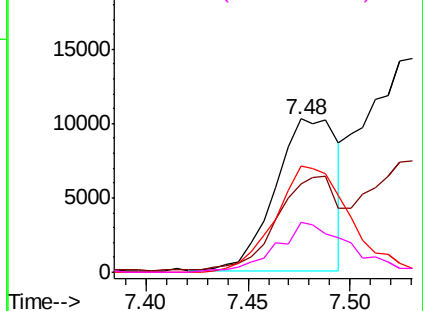
#41
Methacrylonitrile
Concen: 19.090 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.02 min
Lab File: VW008906.D
Acq: 01 Mar 2019 01:20

Instrument :
MSVOA_W
ClientSampleId :
VW0228SBS02

Tot Ion:	41	Resp:	21573
Ion	Ratio	Lower	Upper
41	100		
39	66.8	52.5	78.7
67	83.8	55.0	82.6#
52	39.4	26.9	40.3

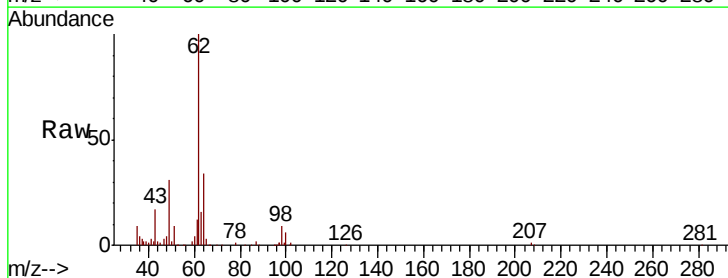


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

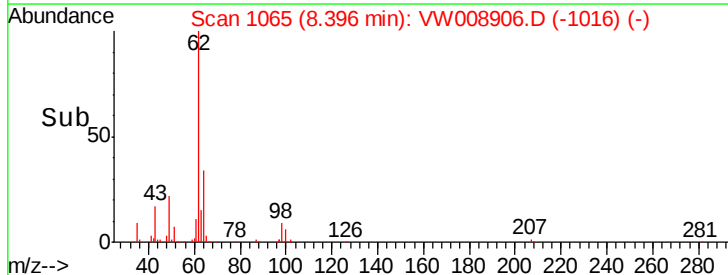
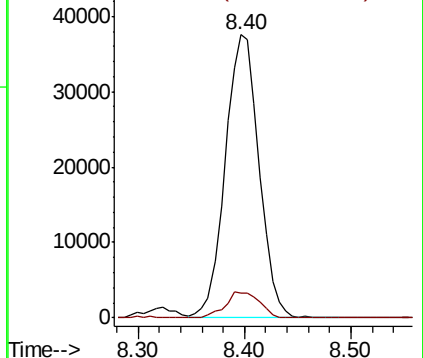


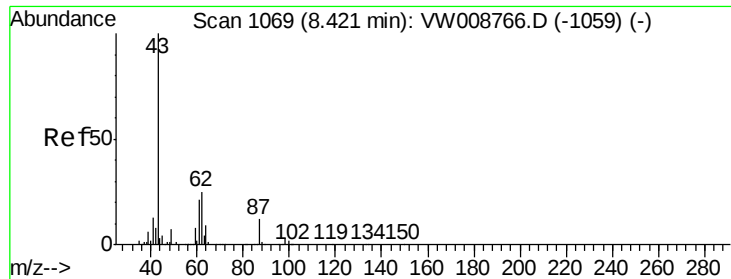
#42
1,2-Dichloroethane
Concen: 23.248 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW008906.D
Acq: 01 Mar 2019 01:20

Tgt Ion:	62	Resp:	83131
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.2



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 22.531 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW008906.D

Acq: 01 Mar 2019 01:20

Instrument :

MSVOA_W

ClientSampleId :

VW0228SBS02

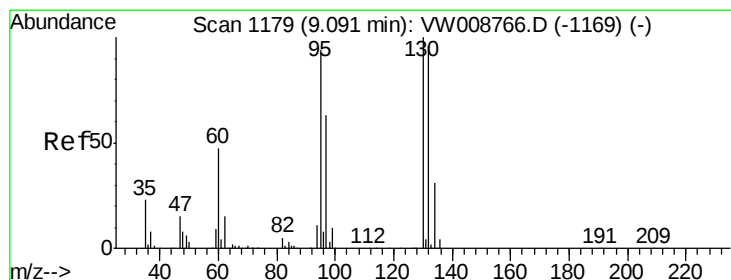
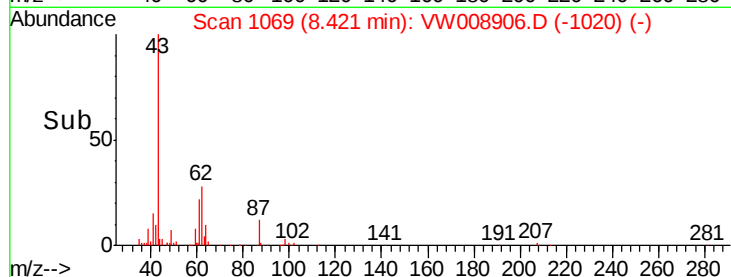
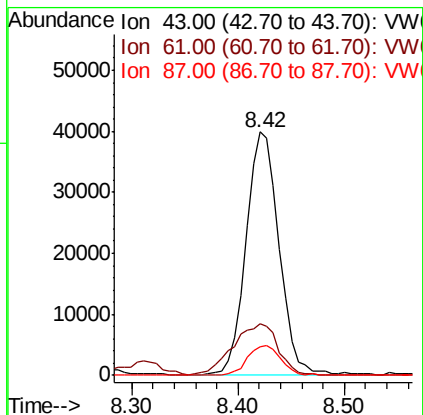
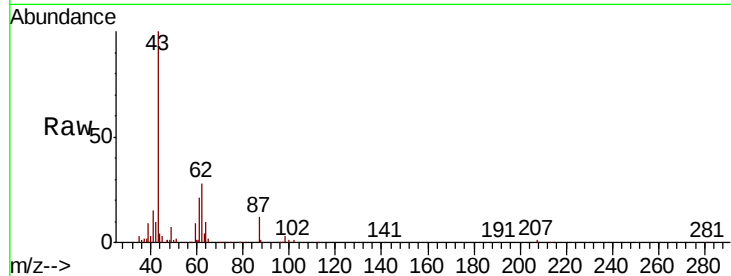
Tot Ion: 43 Resp: 86454

Ion Ratio Lower Upper

43 100

61 29.1 23.2 34.8

87 12.4 9.9 14.9



#44

Trichloroethene

Concen: 22.236 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW008906.D

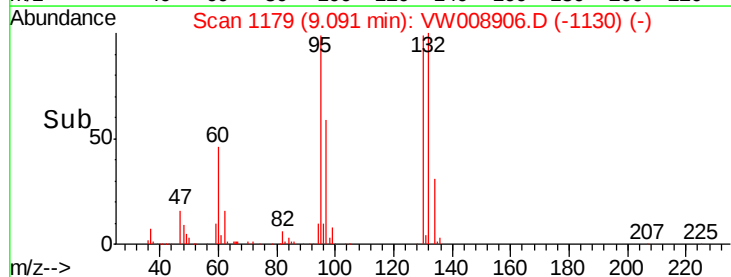
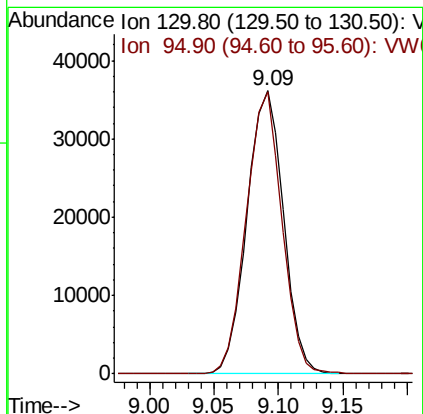
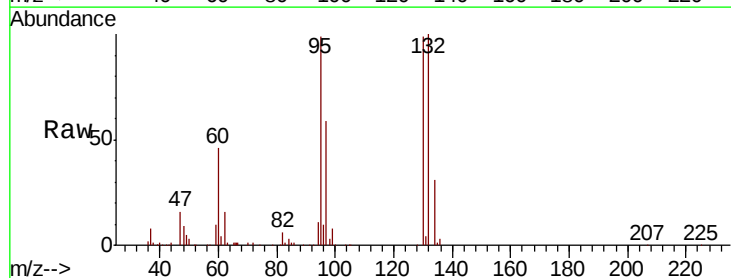
Acq: 01 Mar 2019 01:20

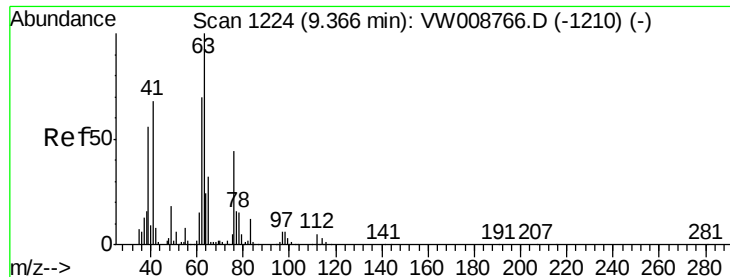
Tgt Ion: 130 Resp: 70707

Ion Ratio Lower Upper

130 100

95 99.5 0.0 188.6





#45

1,2-Dichloropropane

Concen: 23.069 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW008906.D

Acq: 01 Mar 2019 01:20

Instrument :

MSVOA_W

ClientSampleId :

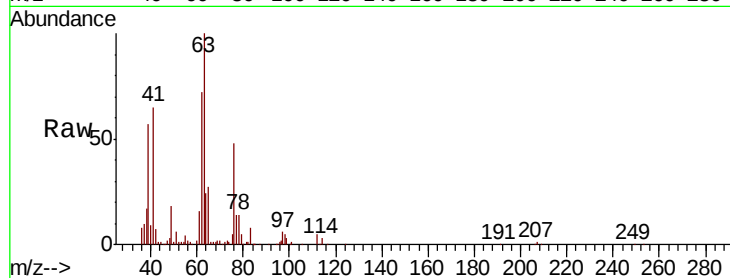
VW0228SBSD02

Tot Ion: 63 Resp: 64350

Ion Ratio Lower Upper

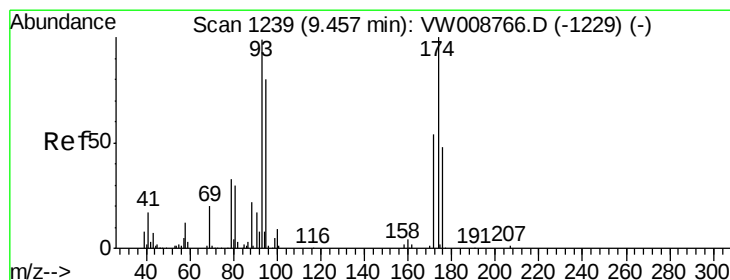
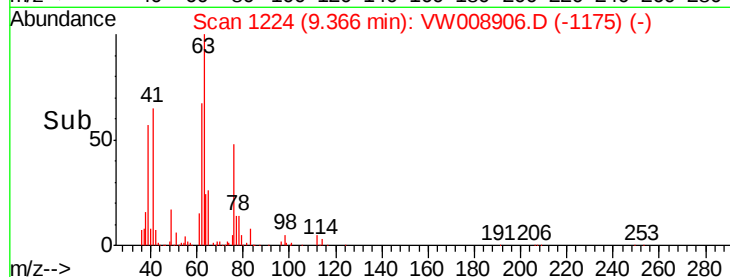
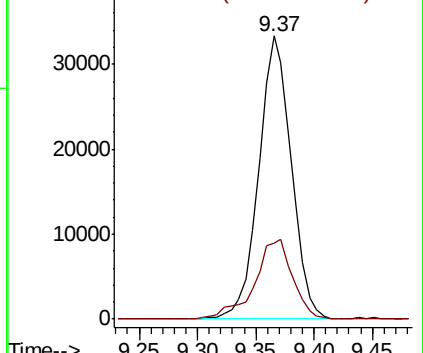
63 100

65 26.9 25.5 38.3



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 23.407 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW008906.D

Acq: 01 Mar 2019 01:20

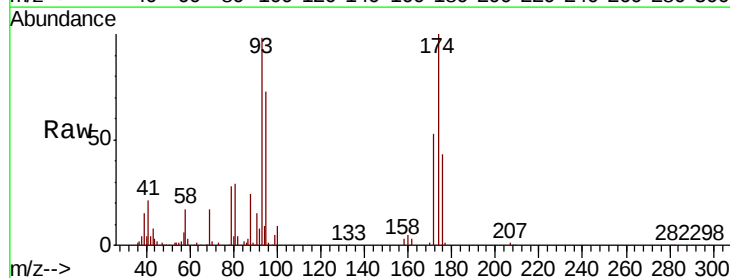
Tgt Ion: 93 Resp: 36317

Ion Ratio Lower Upper

93 100

95 77.5 67.7 101.5

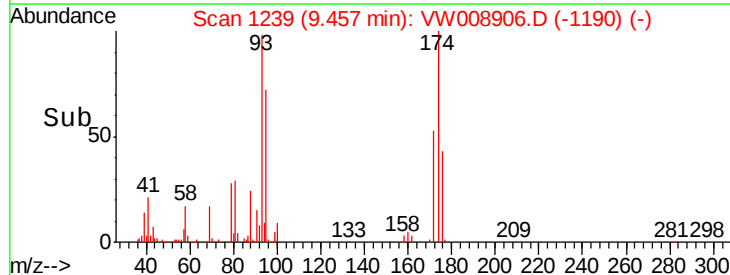
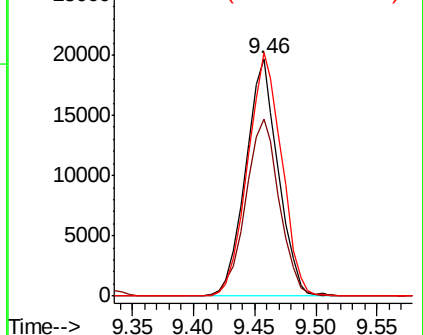
174 107.2 86.7 130.1

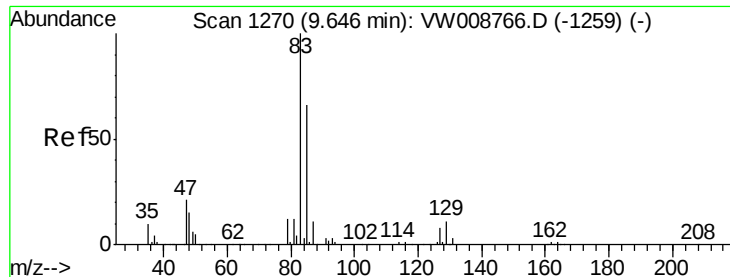


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 23.125 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW008906.D

Acq: 01 Mar 2019 01:20

Instrument :

MSVOA_W

ClientSampleId :

VW0228SBS02

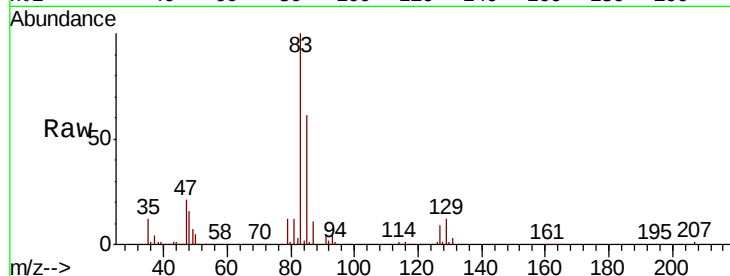
Tot Ion: 83 Resp: 87297

Ion Ratio Lower Upper

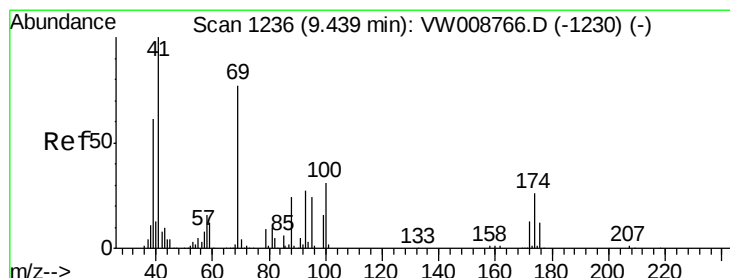
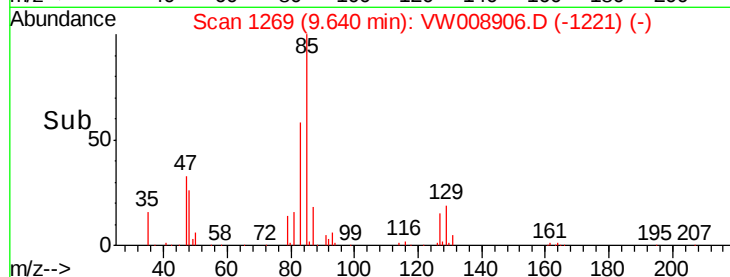
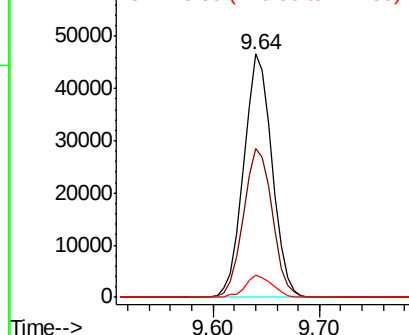
83 100

85 61.4 52.5 78.7

127 9.2 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: 20.318 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VW008906.D

Acq: 01 Mar 2019 01:20

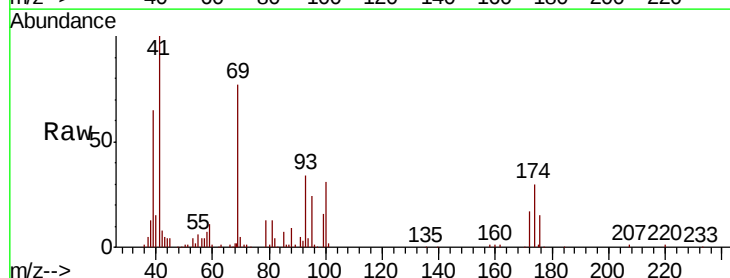
Tgt Ion: 41 Resp: 37339

Ion Ratio Lower Upper

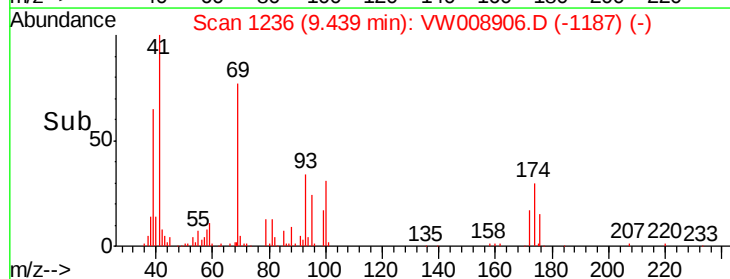
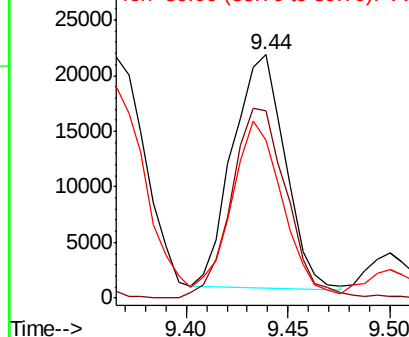
41 100

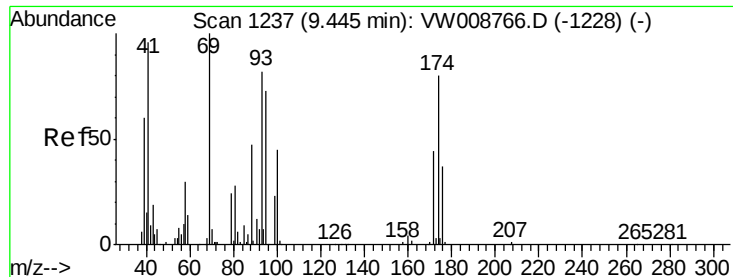
69 86.3 63.6 95.4

39 74.2 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

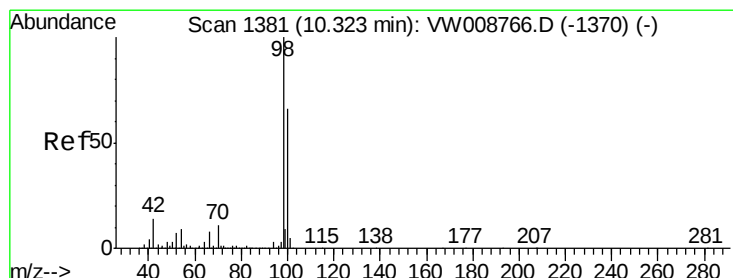
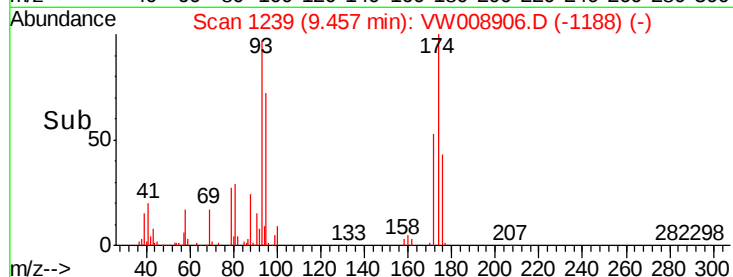
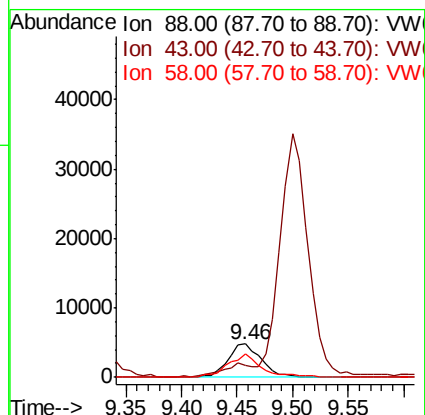
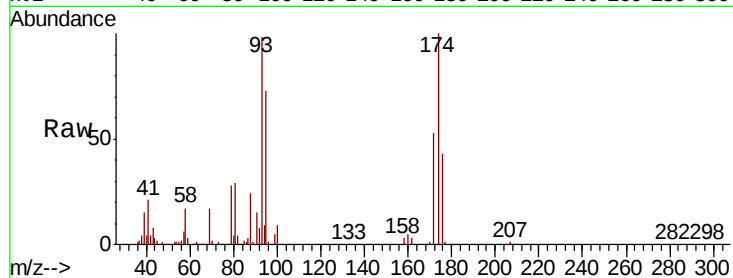




#49
1,4-Dioxane
Concen: 401.577 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW008906.D
Acq: 01 Mar 2019 01:20

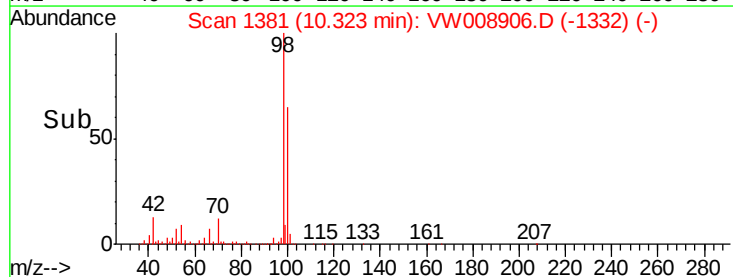
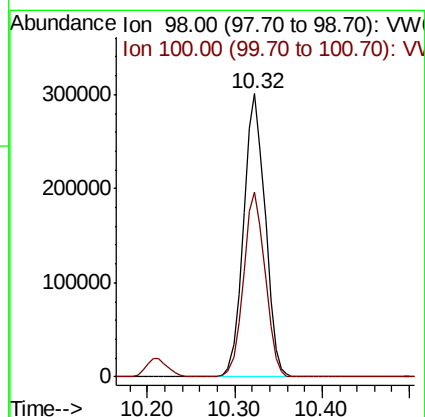
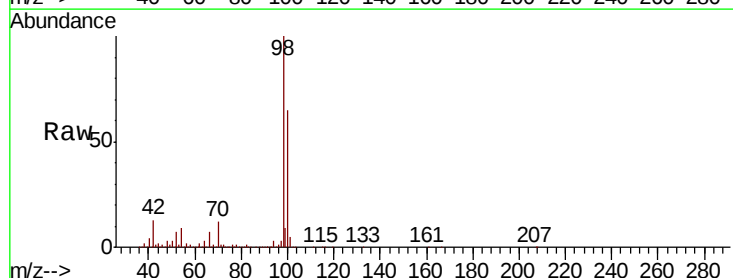
Instrument :
MSVOA_W
ClientSampleId :
VW0228SBSD02

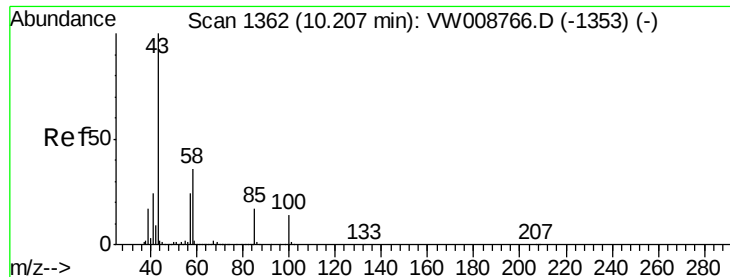
Tot Ion: 88 Resp: 9978
Ion Ratio Lower Upper
88 100
43 32.3 29.0 43.4
58 72.4 52.0 78.0



#50
Toluene-d8
Concen: 52.411 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008906.D
Acq: 01 Mar 2019 01:20

Tgt Ion: 98 Resp: 515923
Ion Ratio Lower Upper
98 100
100 65.1 52.4 78.6





#51

4-Methyl-2-Pentanone

Concen: 112.591 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW008906.D

Acq: 01 Mar 2019 01:20

Instrument :

MSVOA_W

ClientSampleID :

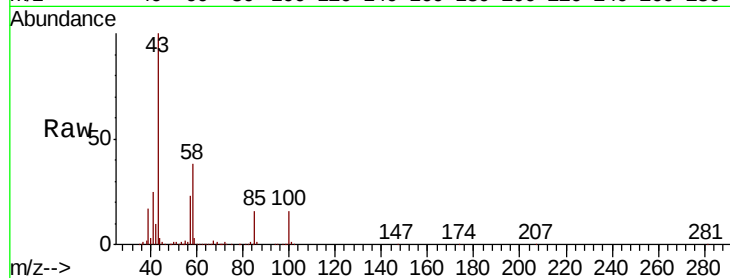
VW0228SBSD02

Tot Ion: 43 Resp: 219334

Ion Ratio Lower Upper

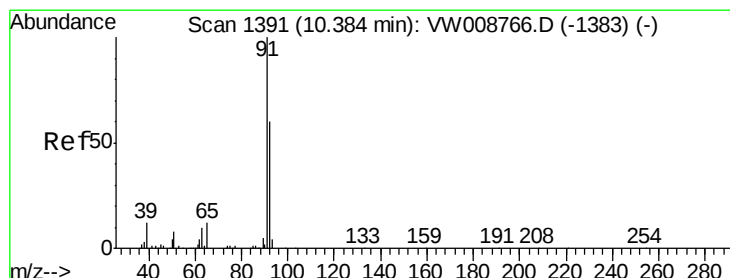
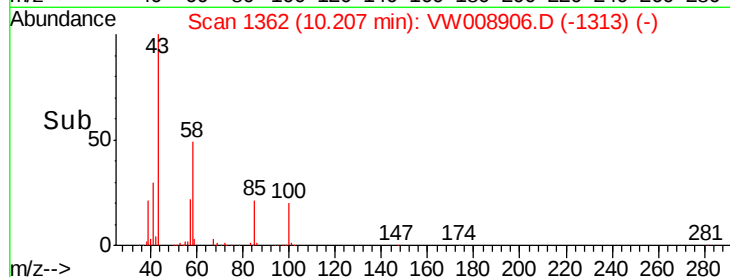
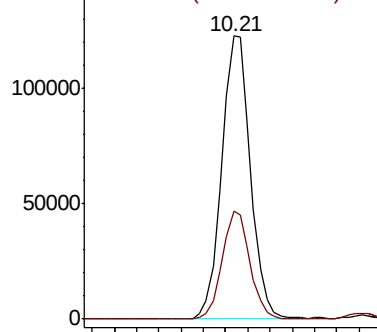
43 100

58 37.0 29.1 43.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 21.023 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW008906.D

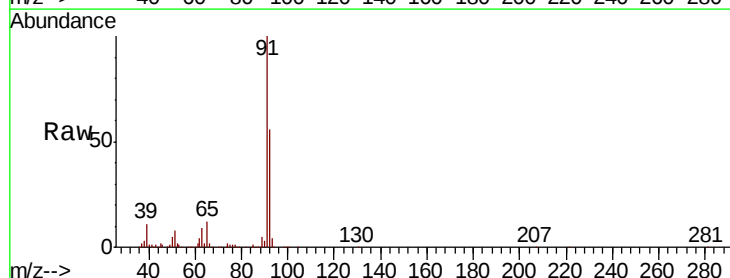
Acq: 01 Mar 2019 01:20

Tgt Ion: 92 Resp: 161054

Ion Ratio Lower Upper

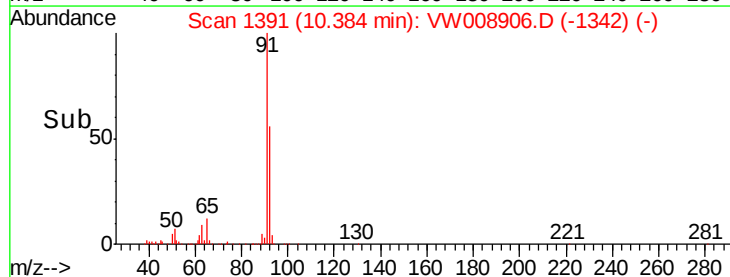
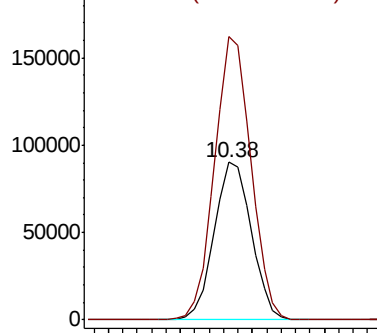
92 100

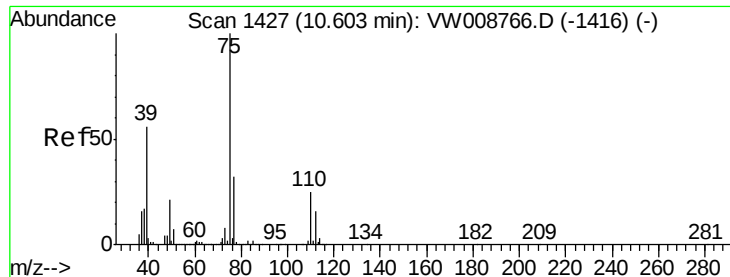
91 176.0 136.9 205.3



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 21.194 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW008906.D

Acq: 01 Mar 2019 01:20

Instrument :

MSVOA_W

ClientSampleID :

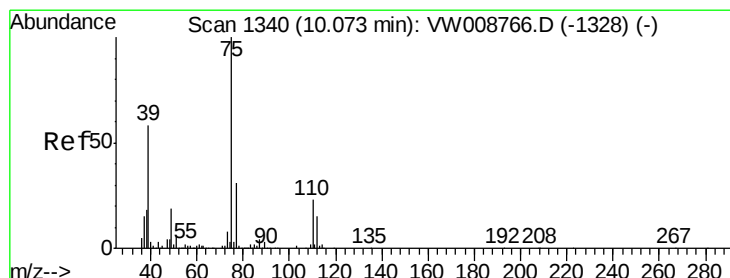
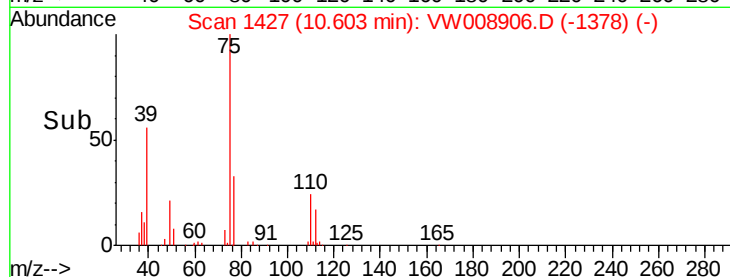
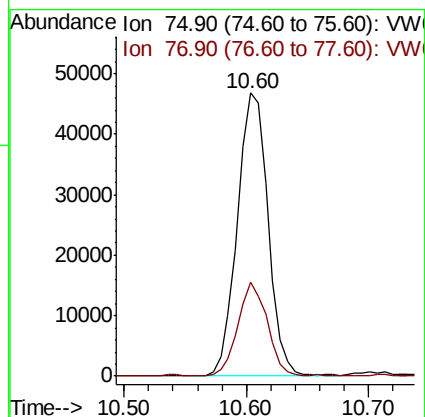
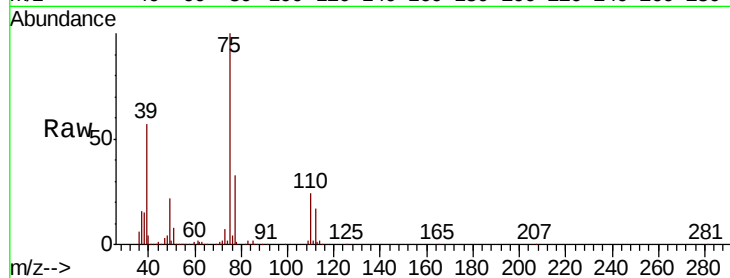
VW0228SBS02

Tot Ion: 75 Resp: 81547

Ion Ratio Lower Upper

75 100

77 33.1 26.1 39.1



#54

cis-1,3-Dichloropropene

Concen: 22.179 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW008906.D

Acq: 01 Mar 2019 01:20

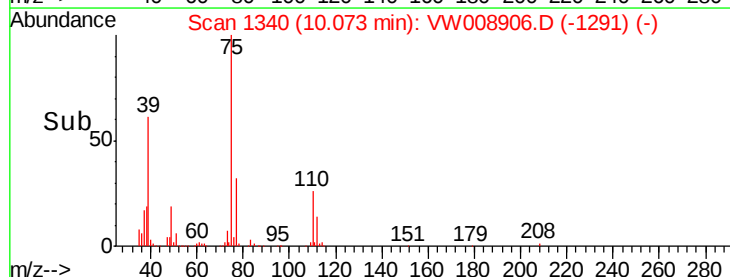
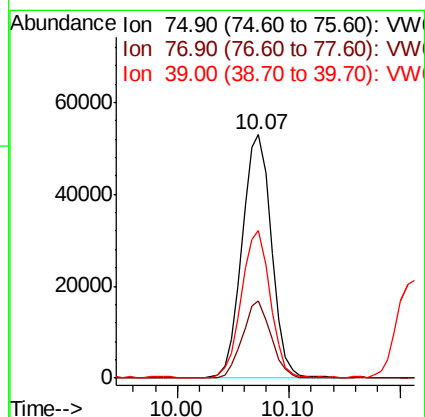
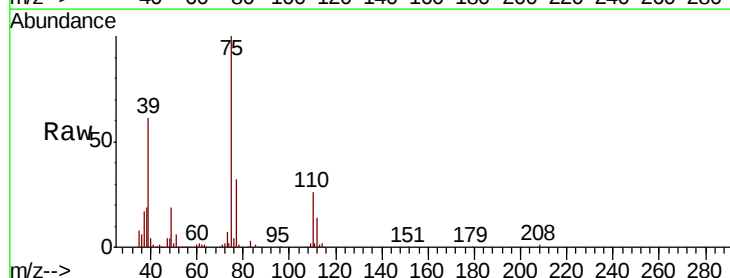
Tgt Ion: 75 Resp: 97329

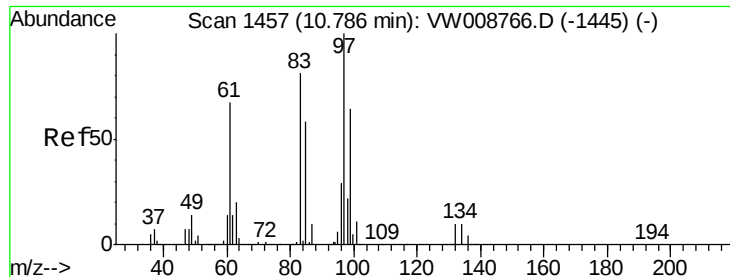
Ion Ratio Lower Upper

75 100

77 31.8 25.0 37.4

39 60.6 46.6 70.0

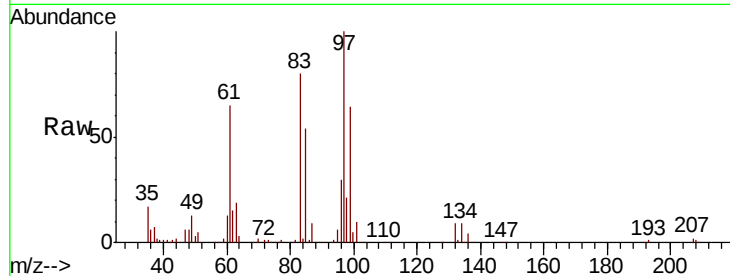




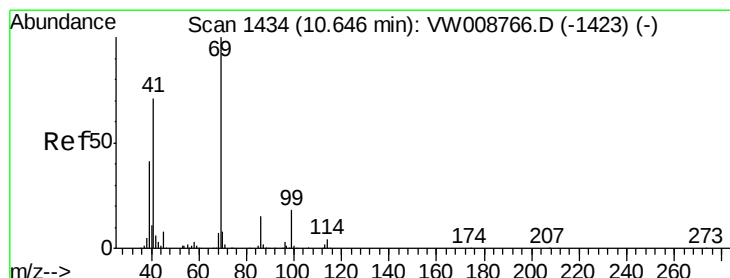
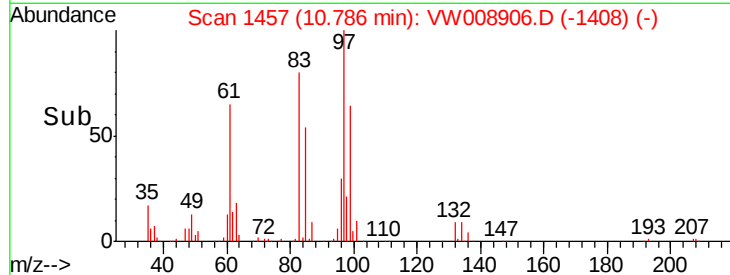
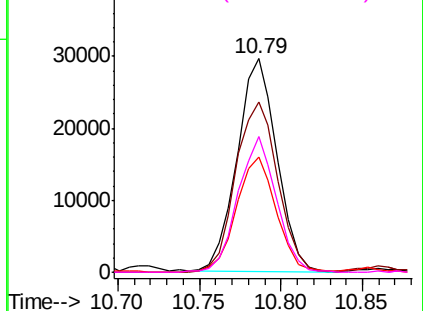
#55
 1,1,2-Trichloroethane
 Concen: 23.811 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW008906.D
 Acq: 01 Mar 2019 01:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0228SBS02

Tot Ion:	97	Resp:	50103
Ion	Ratio	Lower	Upper
97	100		
83	80.2	65.0	97.6
85	53.9	46.0	69.0
99	63.8	51.1	76.7

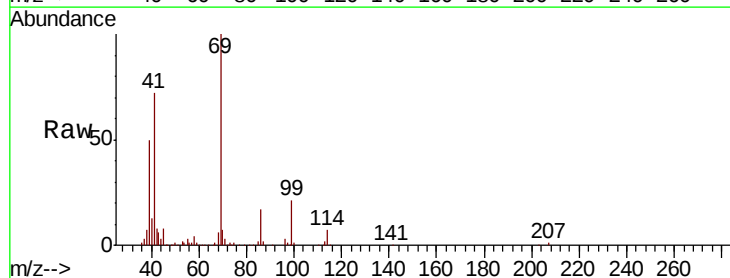


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

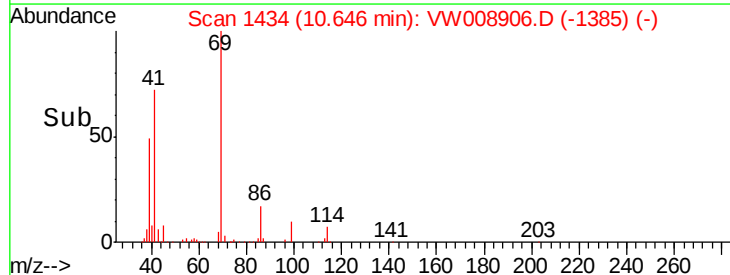
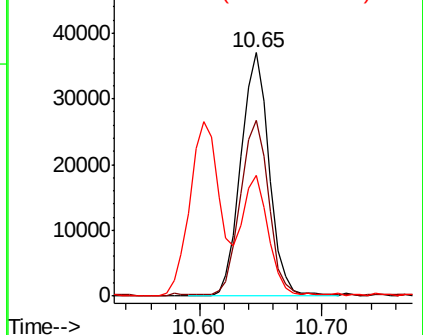


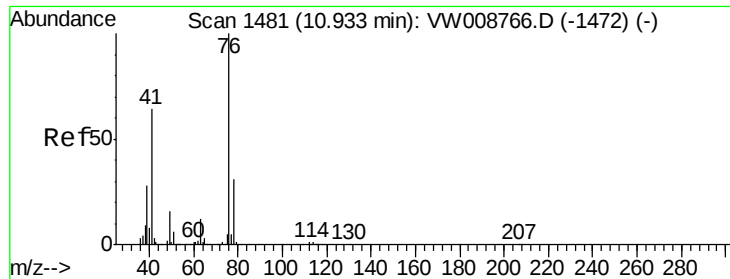
#56
 Ethyl methacrylate
 Concen: 21.793 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW008906.D
 Acq: 01 Mar 2019 01:20

Tgt Ion:	69	Resp:	59578
Ion	Ratio	Lower	Upper
69	100		
41	71.7	57.4	86.0
39	43.1	34.8	52.2



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

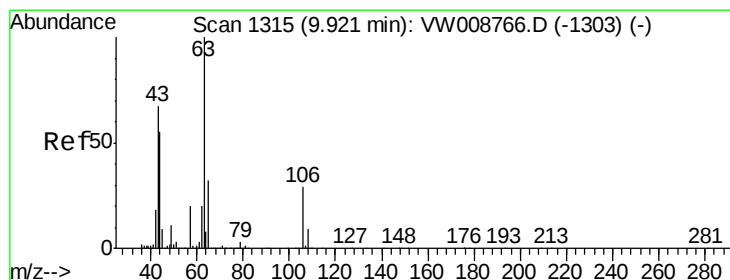
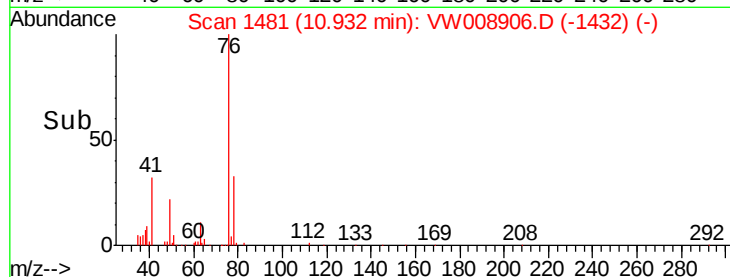
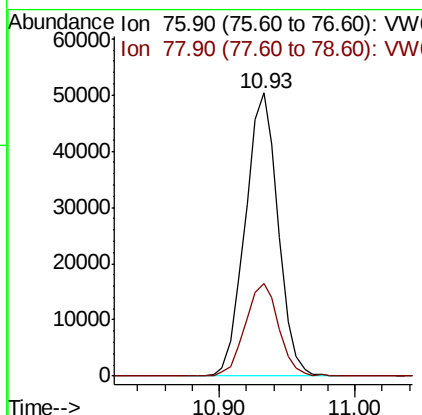
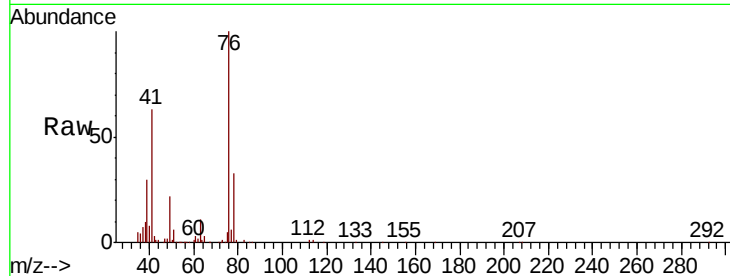




#57
 1,3-Dichloropropane
 Concen: 22.923 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW008906.D
 Acq: 01 Mar 2019 01:20

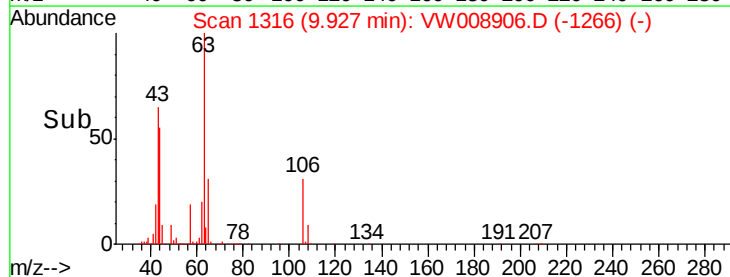
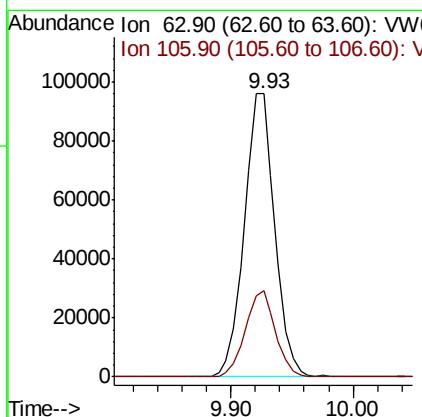
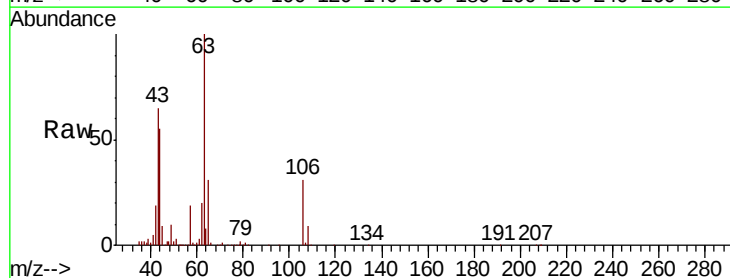
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0228SBSD02

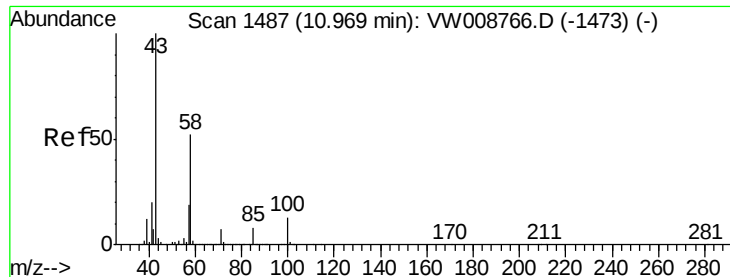
Tot Ion: 76 Resp: 85164
 Ion Ratio Lower Upper
 76 100
 78 33.3 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 120.800 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW008906.D
 Acq: 01 Mar 2019 01:20

Tgt Ion: 63 Resp: 166092
 Ion Ratio Lower Upper
 63 100
 106 30.1 24.0 36.0

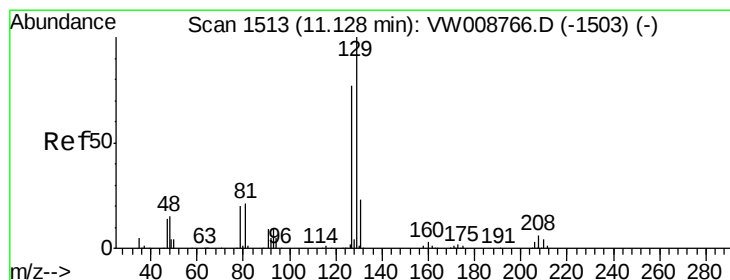
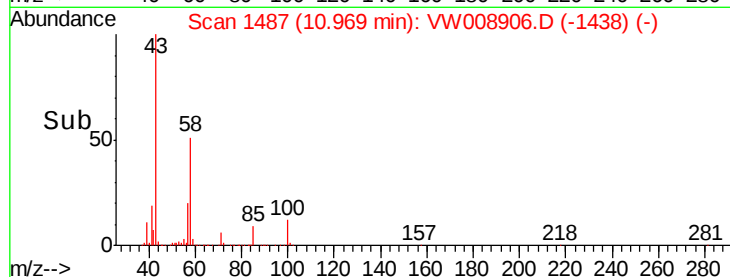
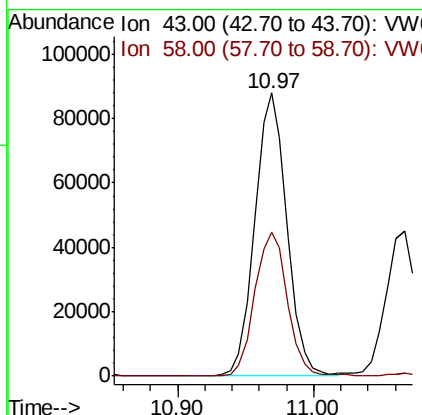
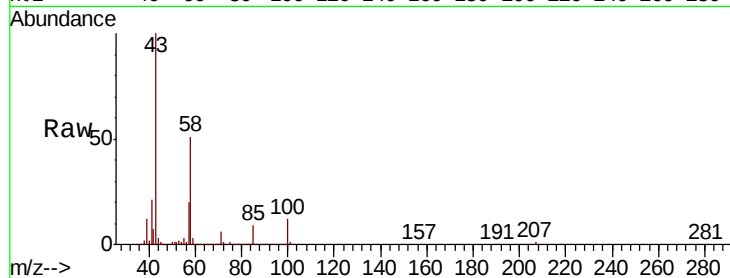




#59
2-Hexanone
Concen: 104.675 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW008906.D
Acq: 01 Mar 2019 01:20

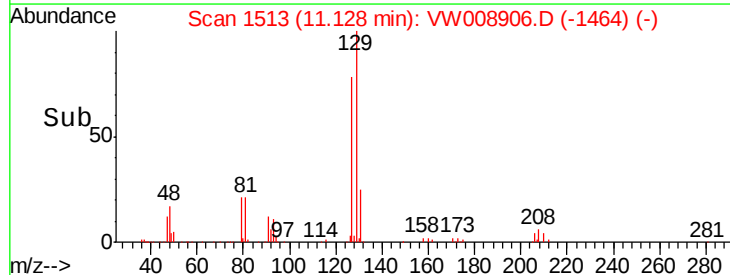
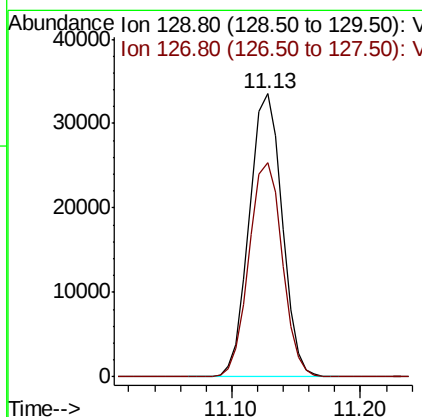
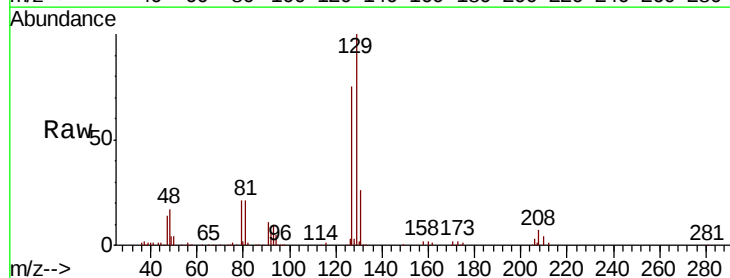
Instrument :
MSVOA_W
ClientSampleId :
VW0228SBSD02

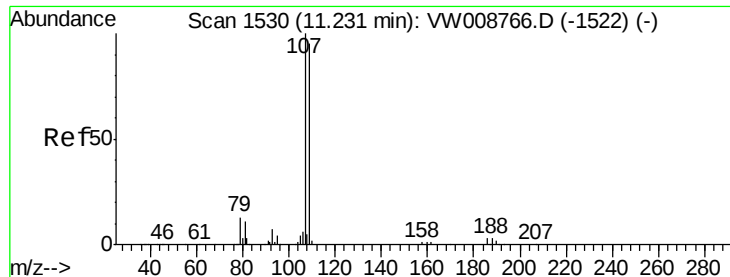
Tot Ion: 43 Resp: 145153
Ion Ratio Lower Upper
43 100
58 52.0 25.3 75.8



#60
Dibromochloromethane
Concen: 23.042 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW008906.D
Acq: 01 Mar 2019 01:20

Tgt Ion: 129 Resp: 59139
Ion Ratio Lower Upper
129 100
127 76.6 39.0 116.9





#61

1,2-Dibromoethane

Concen: 22.996 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.01 min

Lab File: VW008906.D

Acq: 01 Mar 2019 01:20

Instrument :

MSVOA_W

ClientSampleId :

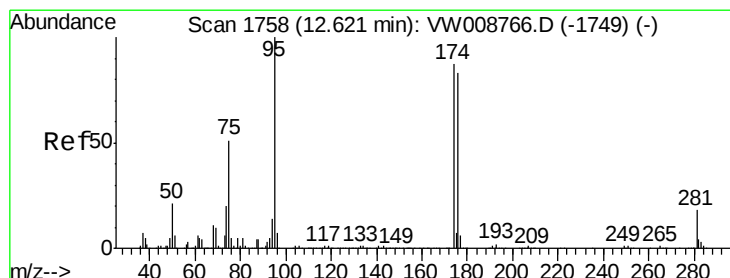
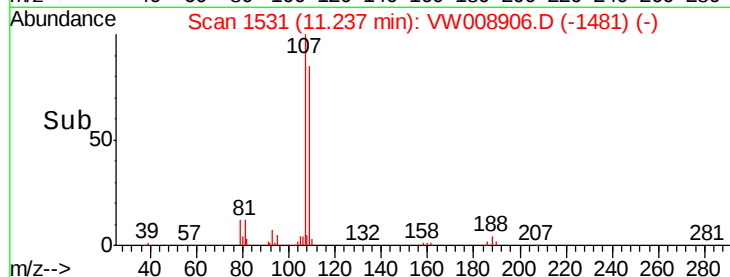
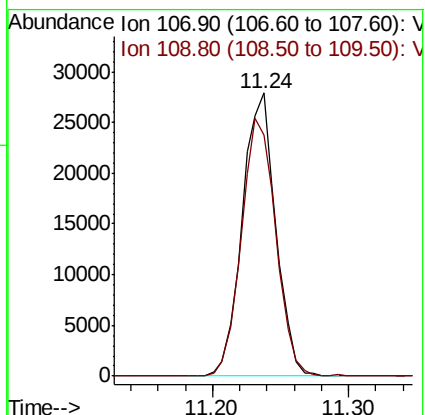
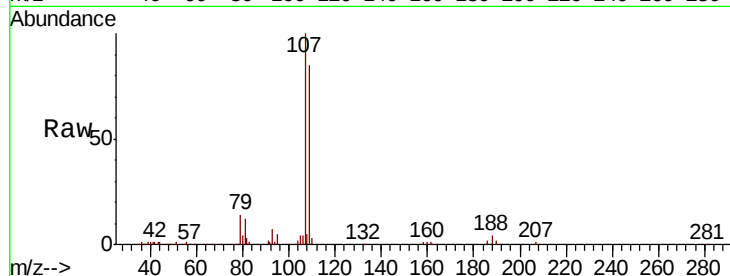
VW0228SBSD02

Tot Ion:107 Resp: 47896

Ion Ratio Lower Upper

107 100

109 93.9 75.6 113.4



#62

4-Bromofluorobenzene

Concen: 51.711 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW008906.D

Acq: 01 Mar 2019 01:20

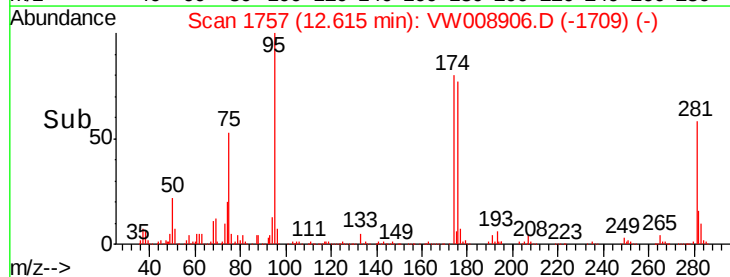
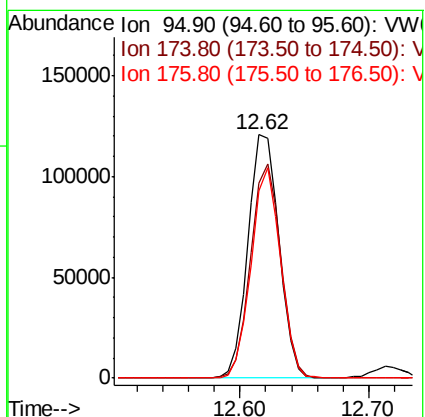
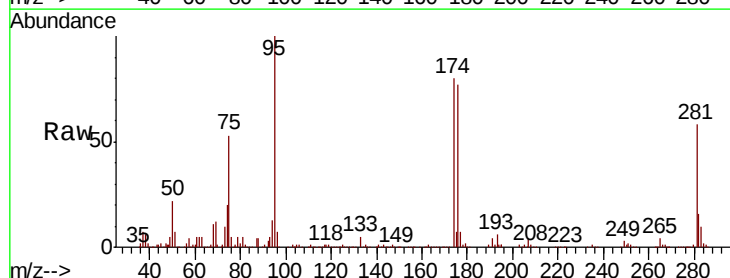
Tgt Ion: 95 Resp: 199310

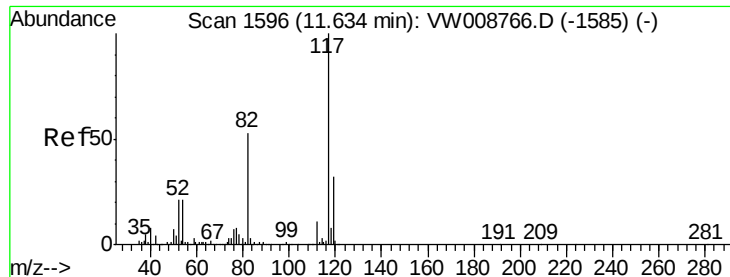
Ion Ratio Lower Upper

95 100

174 86.2 0.0 169.2

176 82.2 0.0 163.6

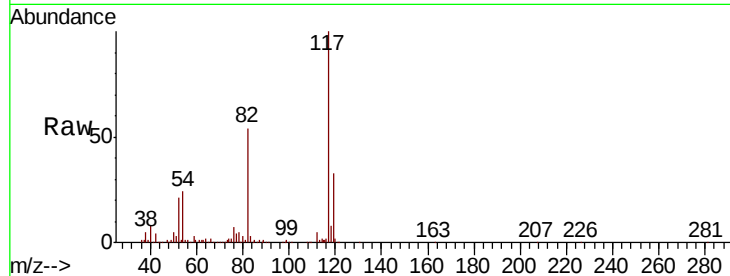




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008906.D
Acq: 01 Mar 2019 01:20

Instrument :
MSVOA_W
ClientSampleId :
VW0228SBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.1	42.2	63.4
119	33.2	25.9	38.9

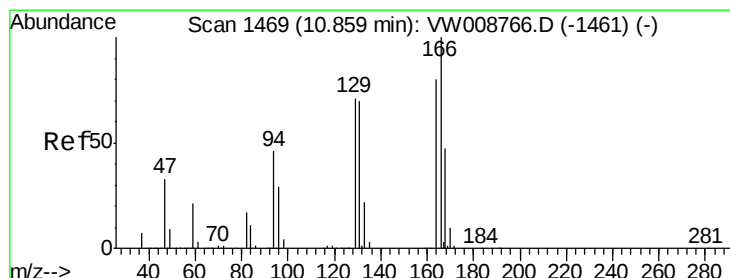
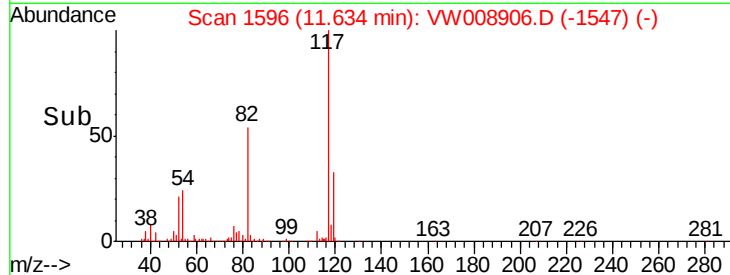
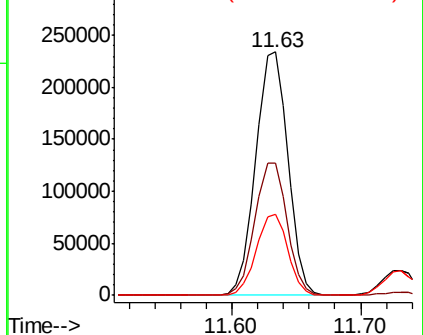


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 23.522 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW008906.D
Acq: 01 Mar 2019 01:20

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.4	99.5	149.3
129	91.1	71.1	106.7
131	82.0	69.8	104.8

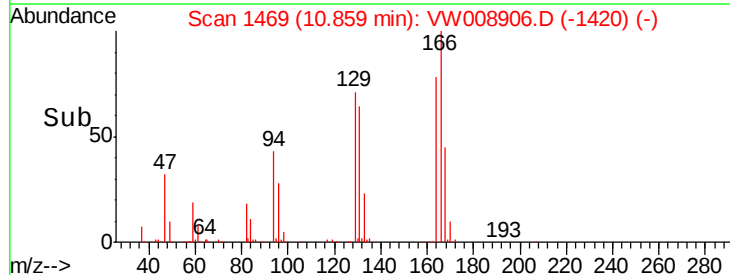
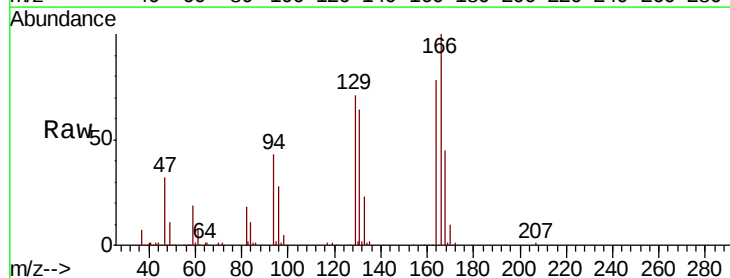
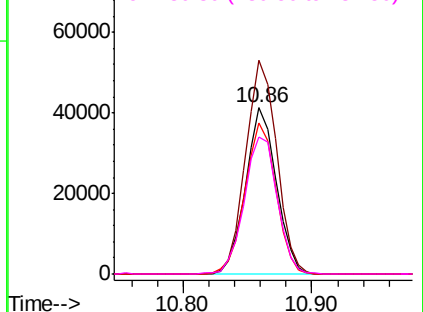
Abundance

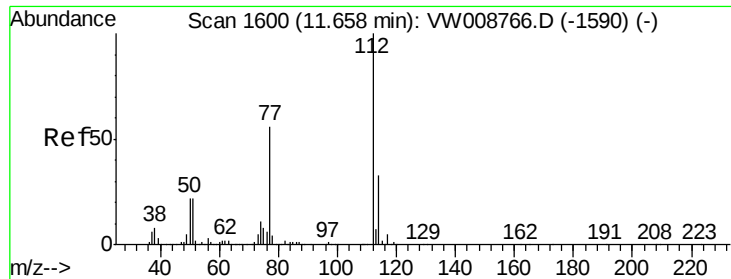
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

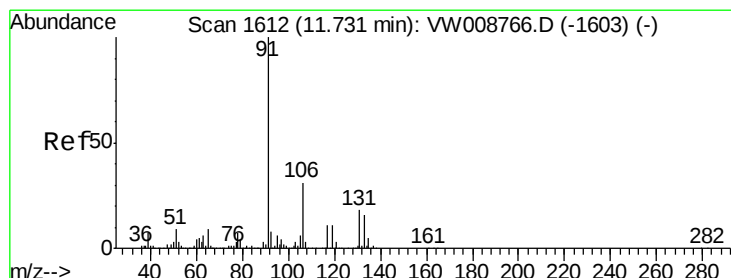
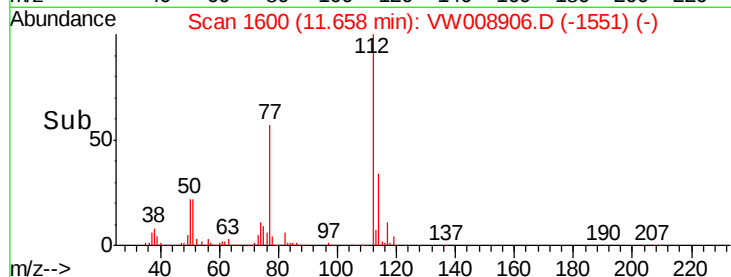
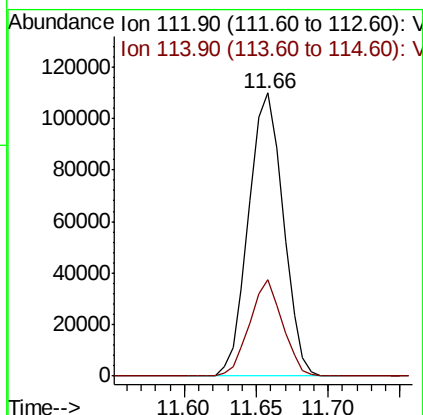
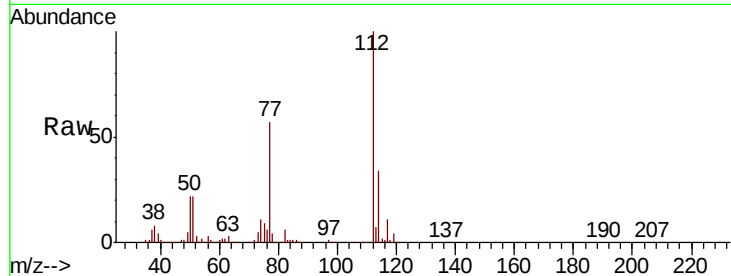




#65
Chlorobenzene
Concen: 21.592 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW008906.D
Acq: 01 Mar 2019 01:20

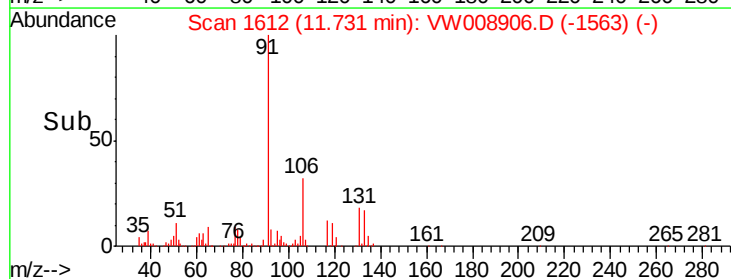
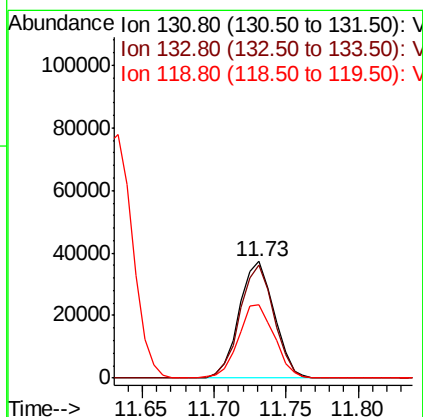
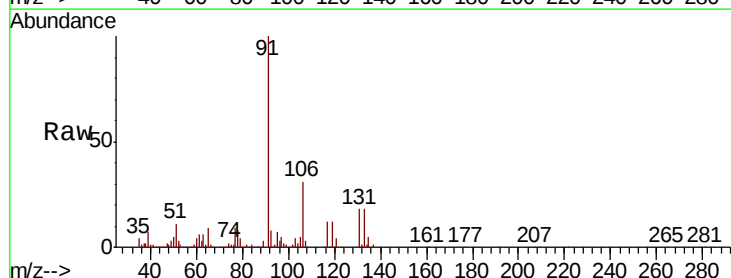
Instrument :
MSVOA_W
ClientSampleId :
VW0228SBSD02

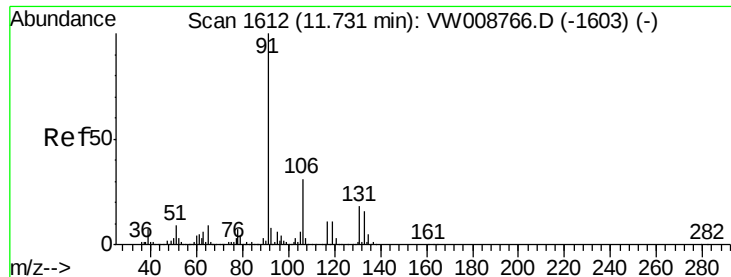
Tot Ion:112 Resp: 183679
Ion Ratio Lower Upper
112 100
114 33.9 26.6 40.0



#66
1,1,1,2-Tetrachloroethane
Concen: 21.867 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008906.D
Acq: 01 Mar 2019 01:20

Tgt Ion:131 Resp: 62897
Ion Ratio Lower Upper
131 100
133 94.8 46.7 140.0
119 64.4 30.8 92.4

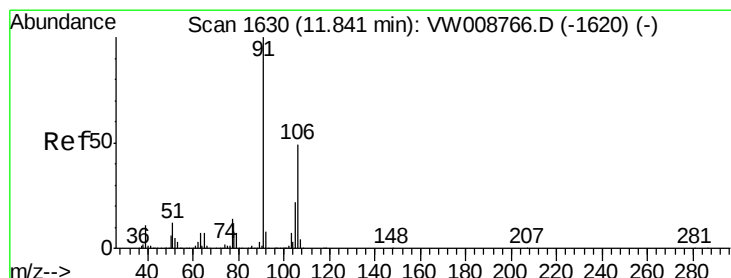
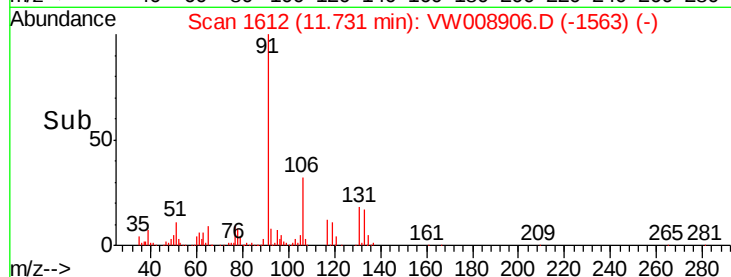
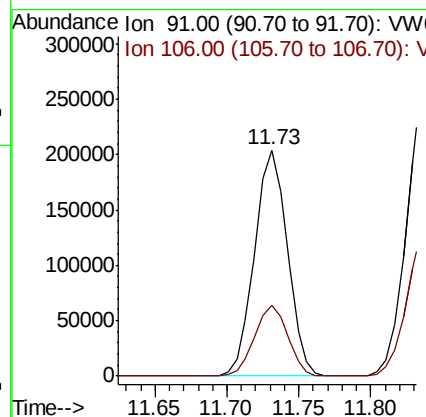
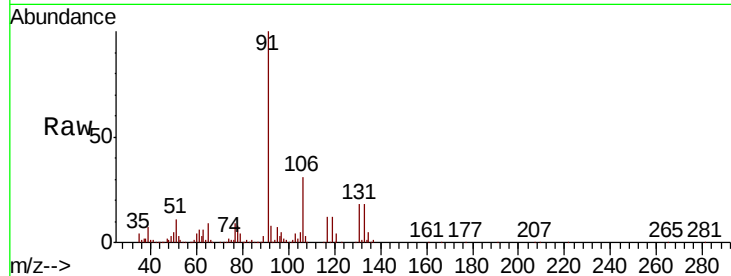




#67
Ethyl Benzene
Concen: 21.196 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008906.D
Acq: 01 Mar 2019 01:20

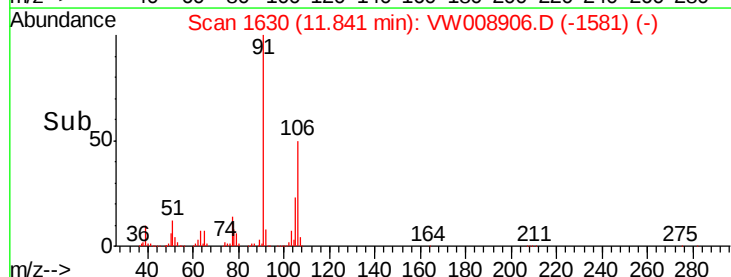
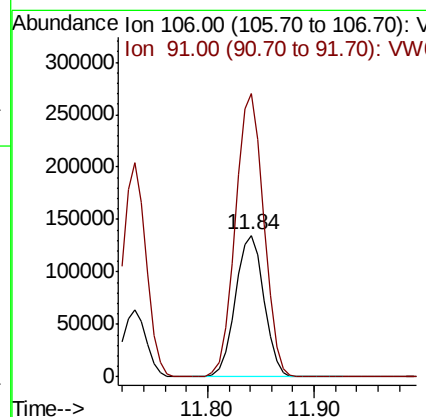
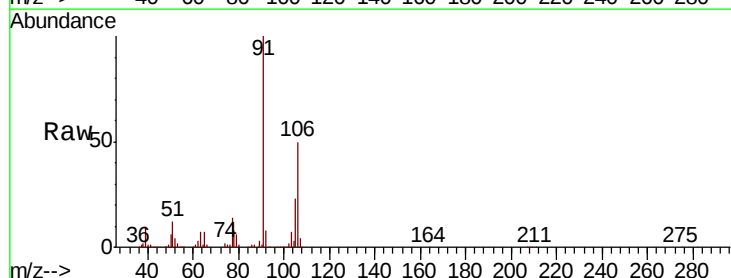
Instrument :
MSVOA_W
ClientSampleId :
VW0228SBSD02

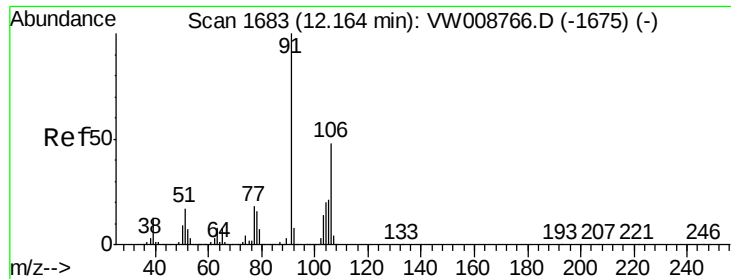
Tot Ion: 91 Resp: 322325
Ion Ratio Lower Upper
91 100
106 31.5 25.0 37.6



#68
m/p-Xylenes
Concen: 41.885 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW008906.D
Acq: 01 Mar 2019 01:20

Tgt Ion: 106 Resp: 254493
Ion Ratio Lower Upper
106 100
91 198.3 161.5 242.3

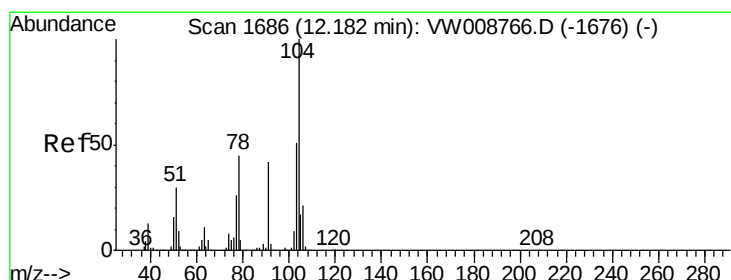
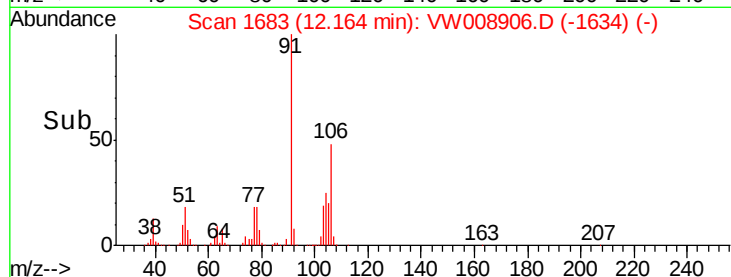
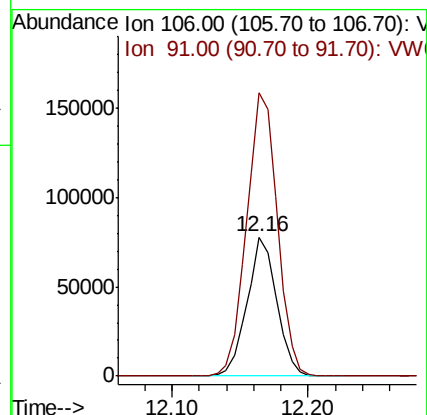
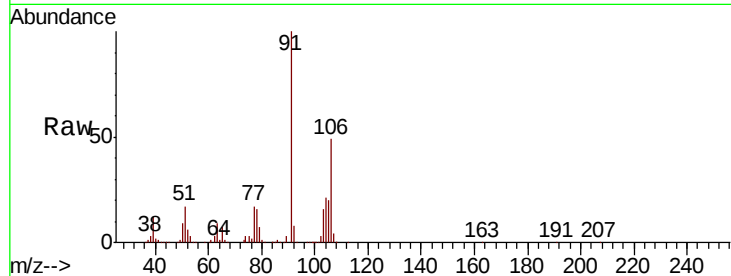




#69
o-Xylene
Concen: 20.786 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW008906.D
Acq: 01 Mar 2019 01:20

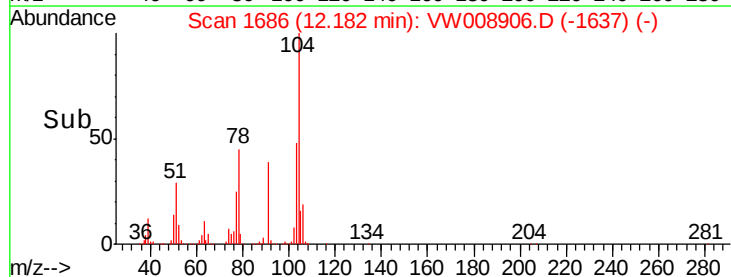
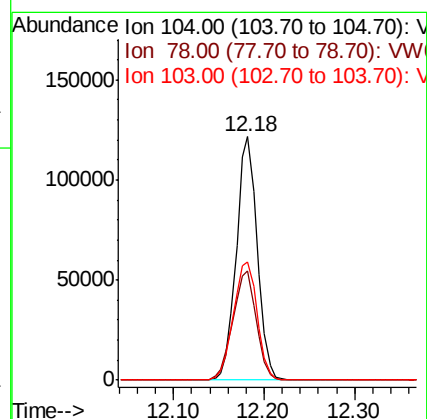
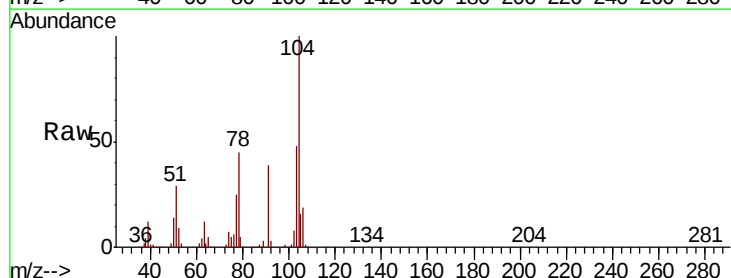
Instrument :
MSVOA_W
ClientSampleId :
VW0228SBS02

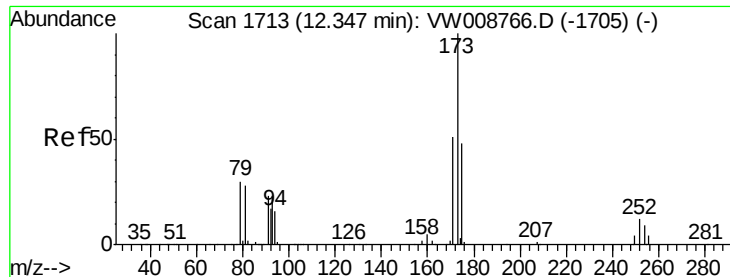
Tot Ion:106 Resp: 118541
Ion Ratio Lower Upper
106 100
91 212.6 106.2 318.6



#70
Styrene
Concen: 21.227 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW008906.D
Acq: 01 Mar 2019 01:20

Tgt Ion:104 Resp: 194757
Ion Ratio Lower Upper
104 100
78 50.5 40.8 61.2
103 55.2 44.2 66.2





#71

Bromoform

Concen: 21.645 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW008906.D

Acq: 01 Mar 2019 01:20

Instrument :

MSVOA_W

ClientSampleId :

VW0228SBSD02

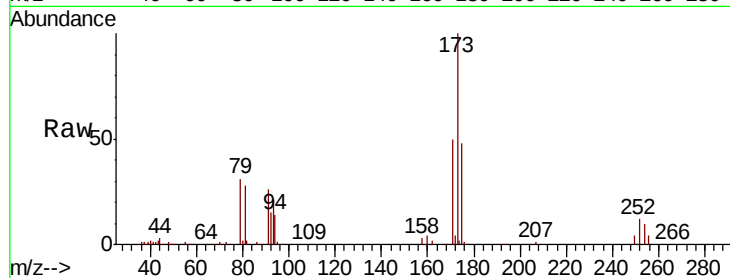
Tot Ion:173 Resp: 33466

Ion Ratio Lower Upper

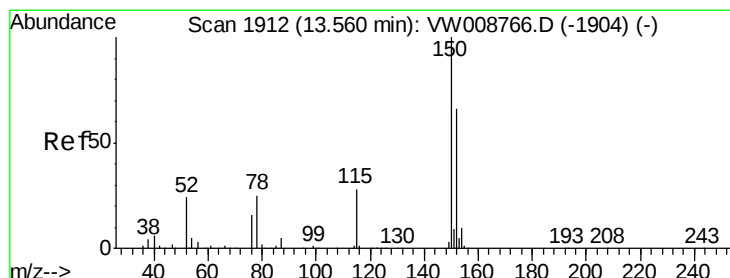
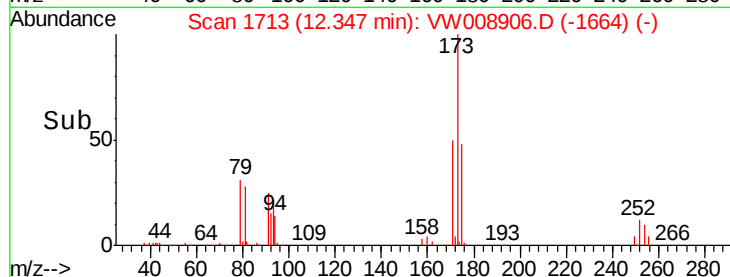
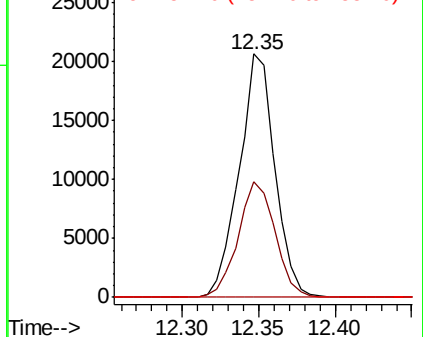
173 100

175 49.4 24.2 72.6

254 0.0 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: VW008906.D

Acq: 01 Mar 2019 01:20

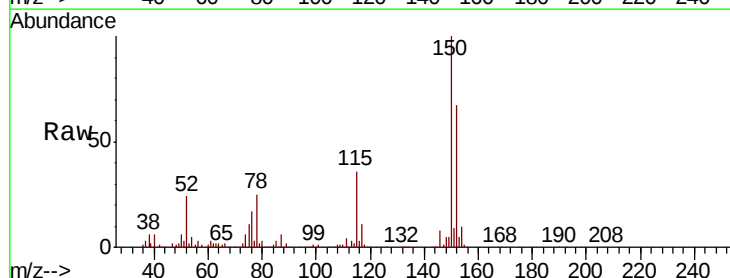
Tgt Ion:152 Resp: 217235

Ion Ratio Lower Upper

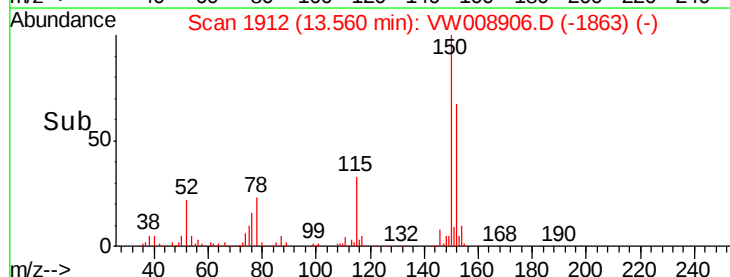
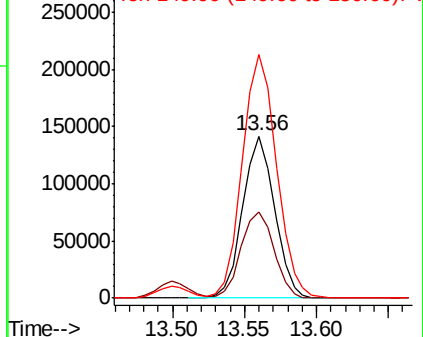
152 100

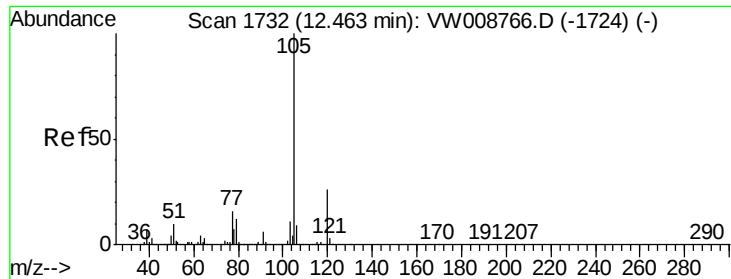
115 55.5 28.6 85.8

150 161.9 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: 21.540 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW008906.D

Acq: 01 Mar 2019 01:20

Instrument :

MSVOA_W

ClientSampleId :

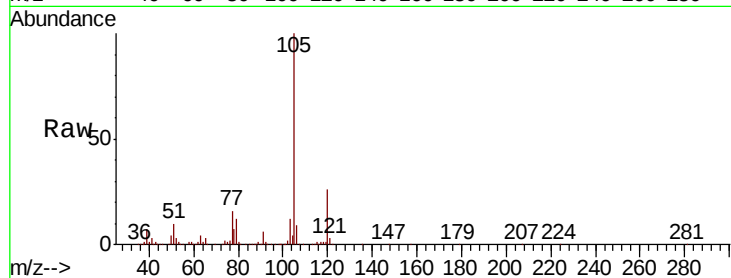
VW0228SBSD02

Tot Ion:105 Resp: 320780

Ion Ratio Lower Upper

105 100

120 26.9 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

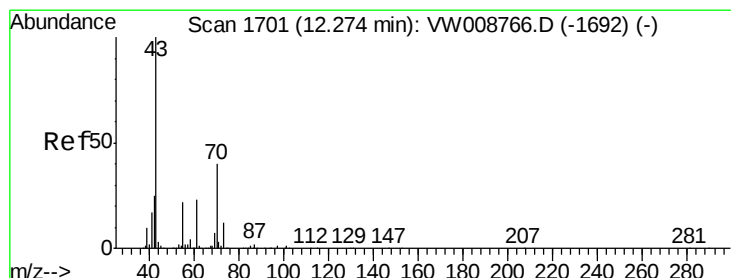
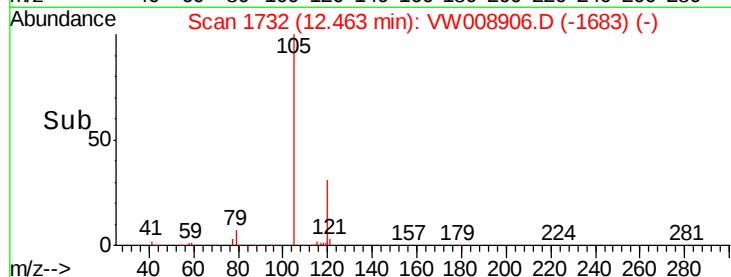
150000

100000

50000

0

Time--> 12.40 12.50



#74

N-ethyl acetate

Concen: 20.998 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW008906.D

Acq: 01 Mar 2019 01:20

Tgt Ion: 43 Resp: 78770

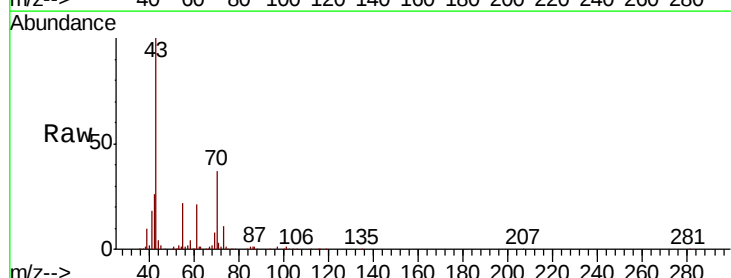
Ion Ratio Lower Upper

43 100

70 38.3 31.0 46.6

55 24.4 18.7 28.1

61 21.2 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

80000

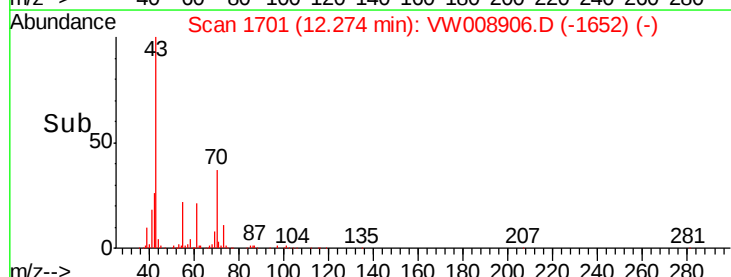
60000

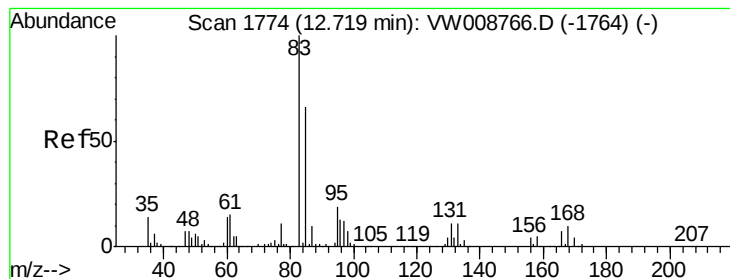
40000

20000

0

Time--> 12.20 12.25 12.30 12.35





#75

1,1,2,2-Tetrachloroethane

Concen: 23.496 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008906.D

Acq: 01 Mar 2019 01:20

Instrument :

MSVOA_W

ClientSampleId :

VW0228SBSD02

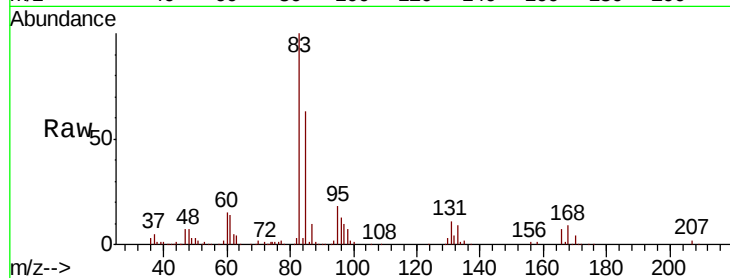
Tot Ion: 83 Resp: 57174

Ion Ratio Lower Upper

83 100

131 11.4 5.5 16.7

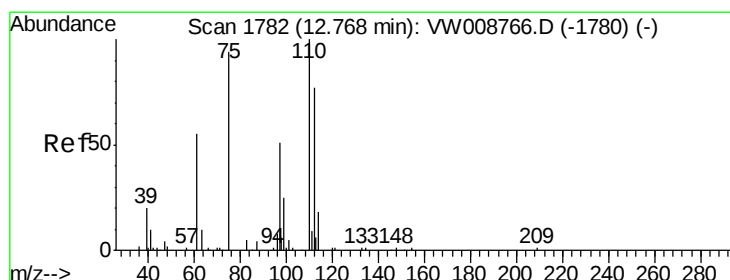
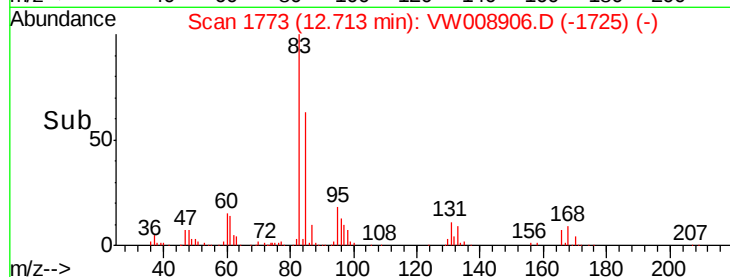
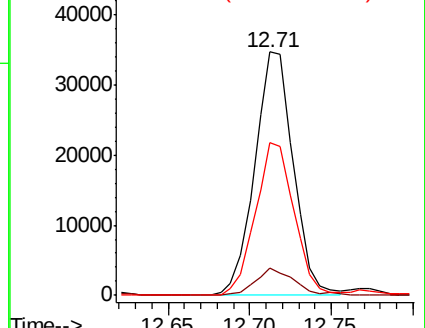
85 62.9 33.0 98.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 41.267 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW008906.D

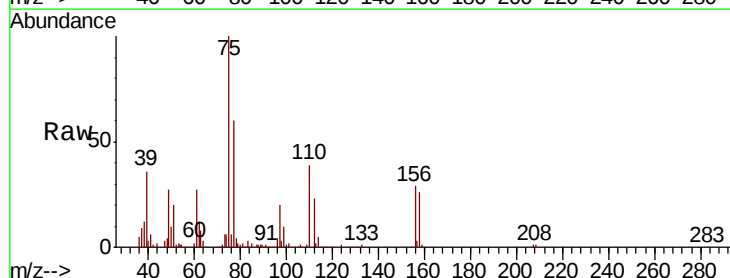
Acq: 01 Mar 2019 01:20

Tgt Ion: 75 Resp: 74015

Ion Ratio Lower Upper

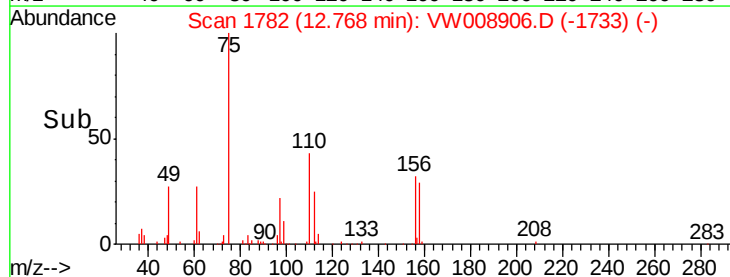
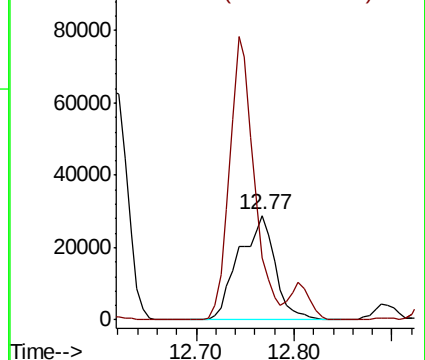
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 22.182 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW008906.D

Acq: 01 Mar 2019 01:20

Instrument :

MSVOA_W

ClientSampleId :

VW0228SBS02

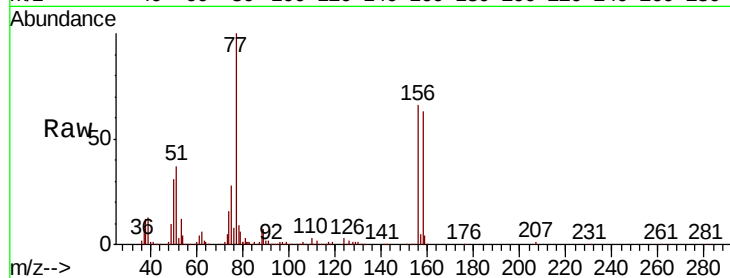
Tot Ion:156 Resp: 78062

Ion Ratio Lower Upper

156 100

77 175.6 89.1 267.4

158 96.8 49.2 147.6

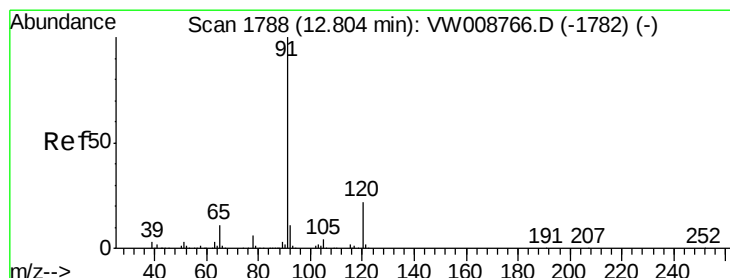
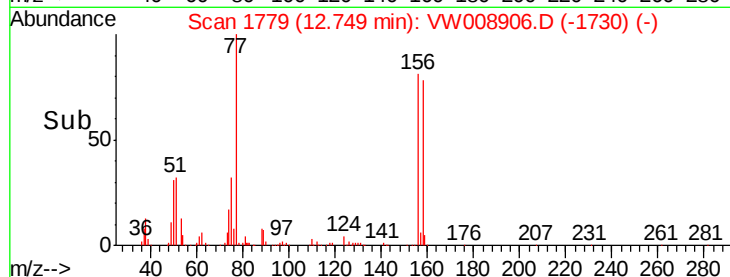
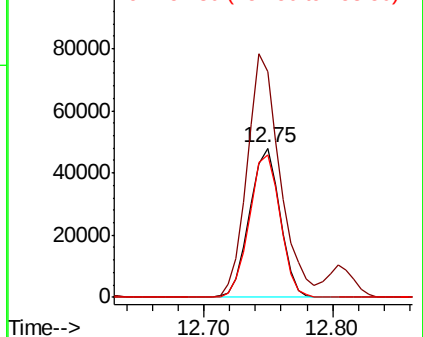


Abundance

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: 21.303 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW008906.D

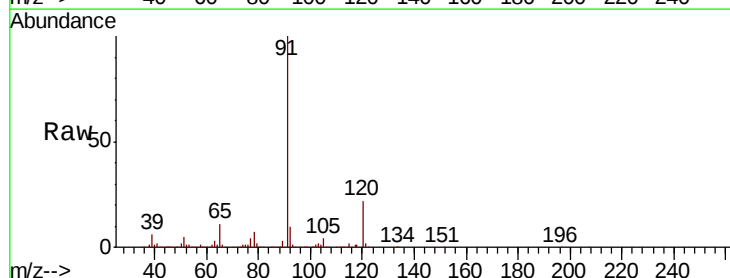
Acq: 01 Mar 2019 01:20

Tgt Ion: 91 Resp: 388072

Ion Ratio Lower Upper

91 100

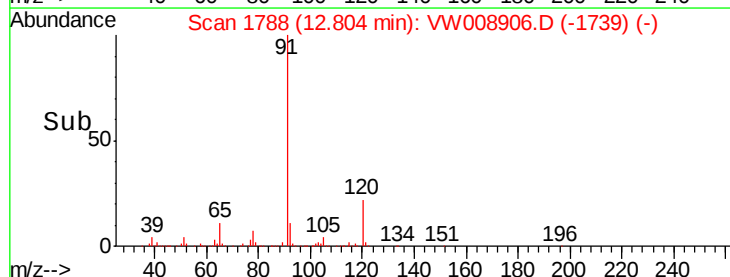
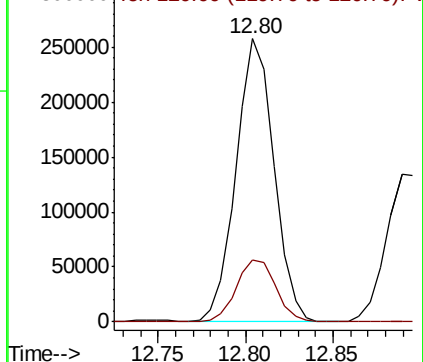
120 22.9 11.5 34.4

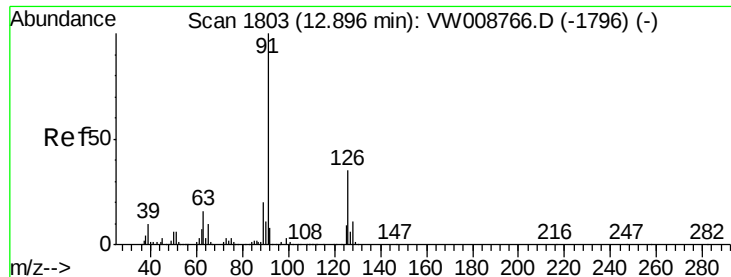


Abundance

Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

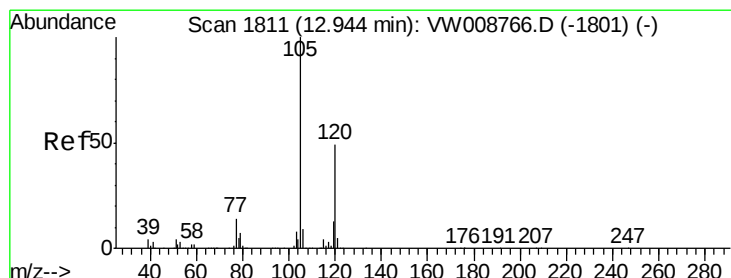
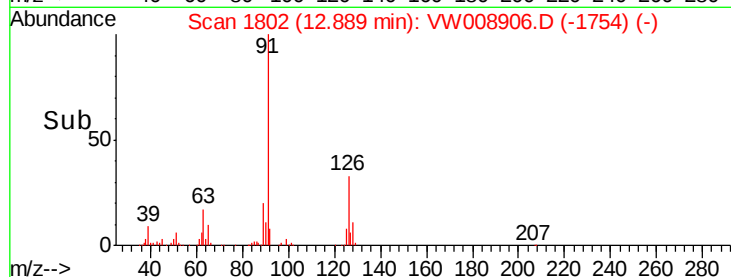
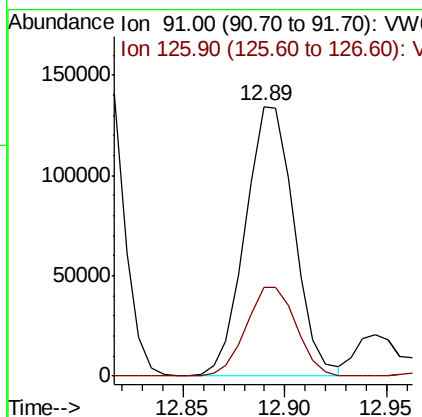
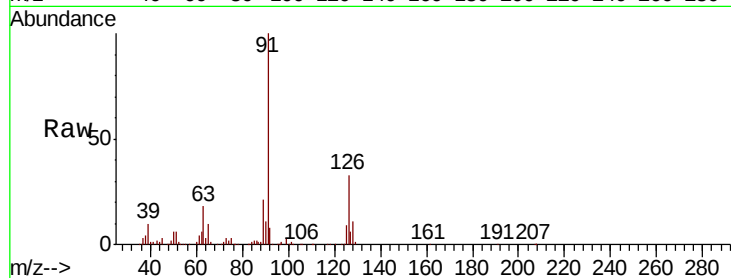




#79
 2-Chlorotoluene
 Concen: 21.714 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.01 min
 Lab File: VW008906.D
 Acq: 01 Mar 2019 01:20

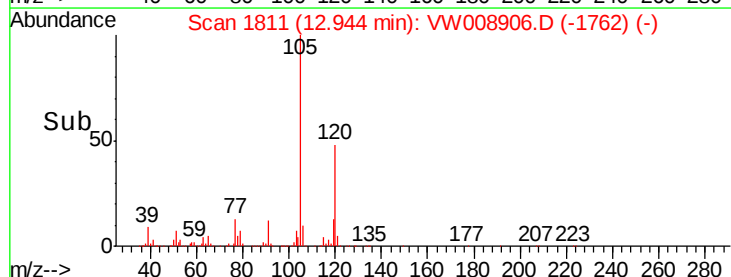
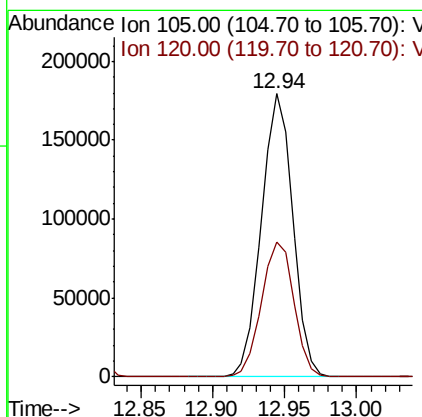
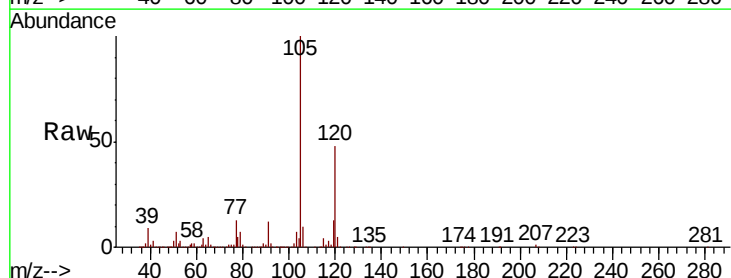
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0228SBS02

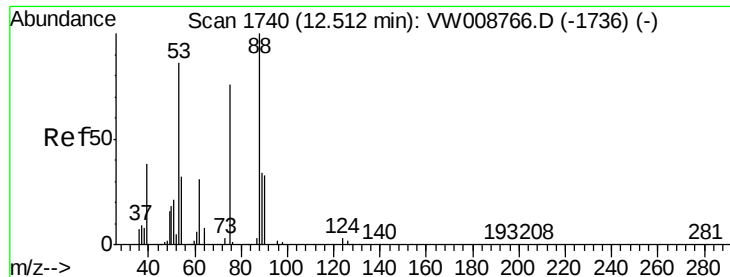
Tot Ion: 91 Resp: 224587
 Ion Ratio Lower Upper
 91 100
 126 34.0 17.0 51.0



#80
 1,3,5-Trimethylbenzene
 Concen: 20.861 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW008906.D
 Acq: 01 Mar 2019 01:20

Tgt Ion: 105 Resp: 269980
 Ion Ratio Lower Upper
 105 100
 120 49.4 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 18.972 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW008906.D

Acq: 01 Mar 2019 01:20

Instrument :

MSVOA_W

ClientSampleId :

VW0228SBS02

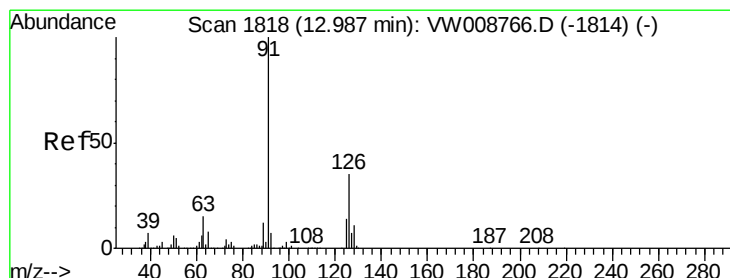
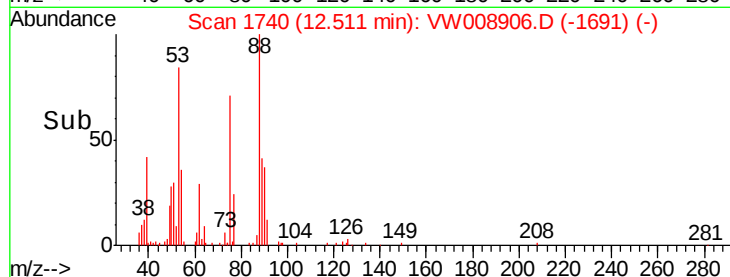
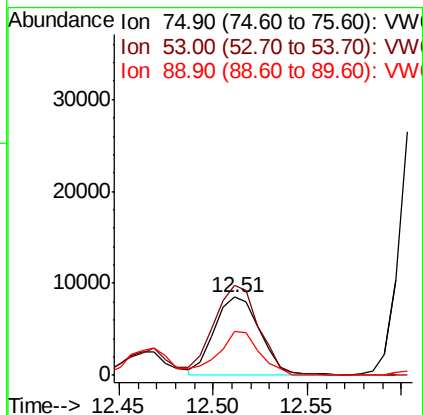
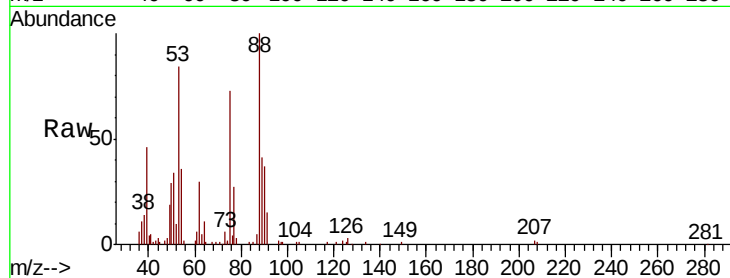
Tot Ion: 75 Resp: 13997

Ion Ratio Lower Upper

75 100

53 115.6 88.2 132.2

89 51.7 39.5 59.3



#82

4-Chlorotoluene

Concen: 21.184 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VW008906.D

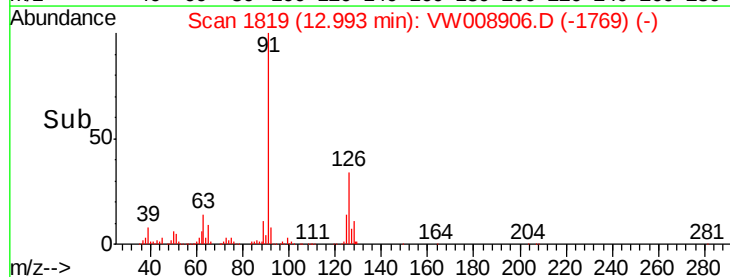
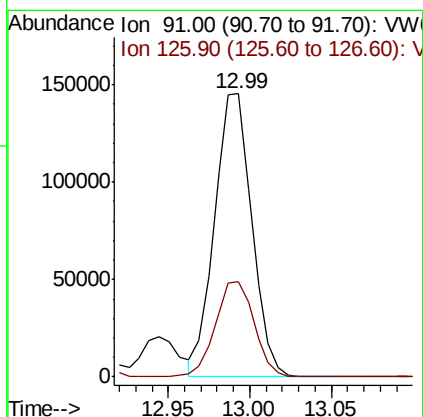
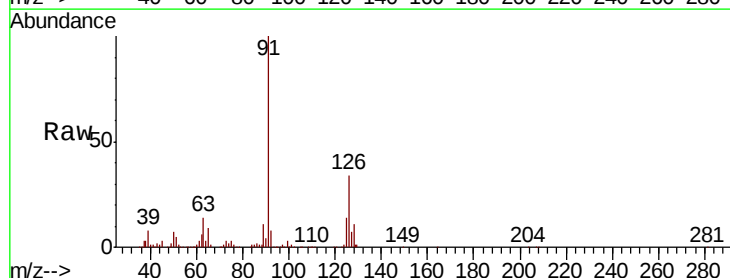
Acq: 01 Mar 2019 01:20

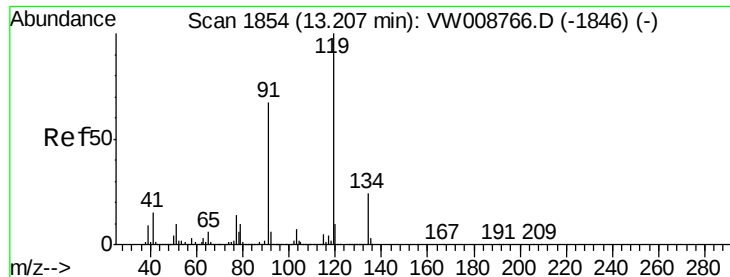
Tgt Ion: 91 Resp: 230887

Ion Ratio Lower Upper

91 100

126 35.4 17.2 51.6

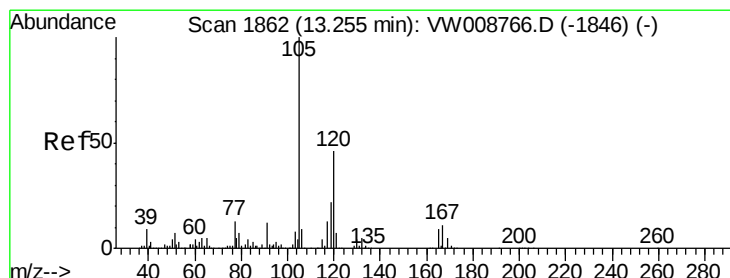
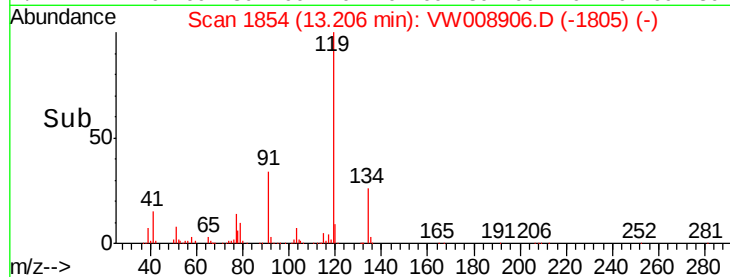
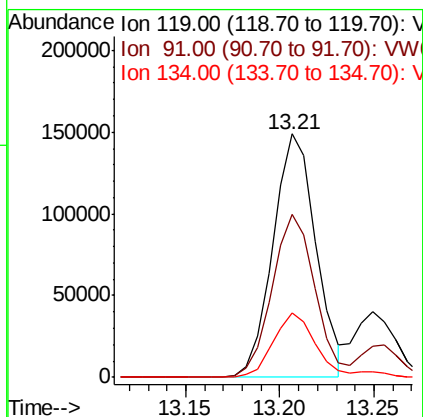
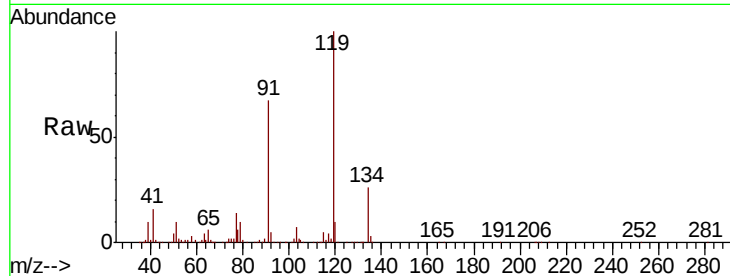




#83
tert-Butylbenzene
Concen: 21.043 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW008906.D
Acq: 01 Mar 2019 01:20

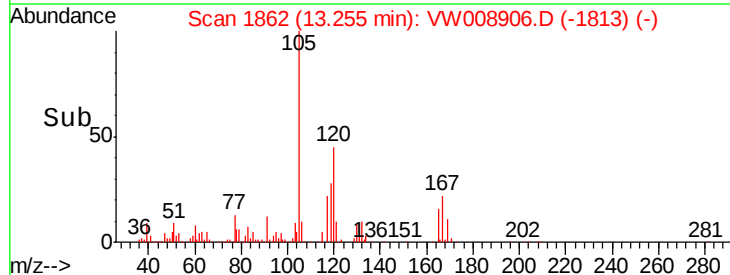
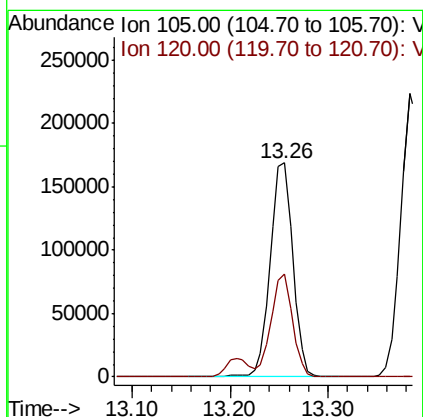
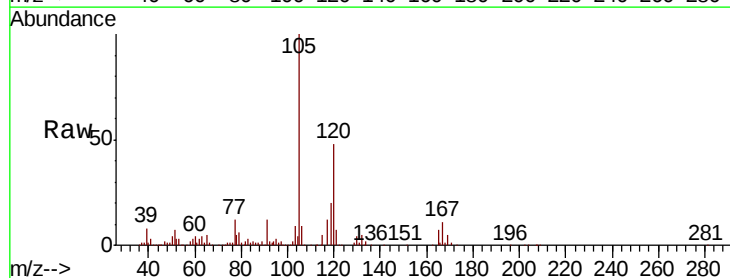
Instrument :
MSVOA_W
ClientSampleId :
VW0228SBS02

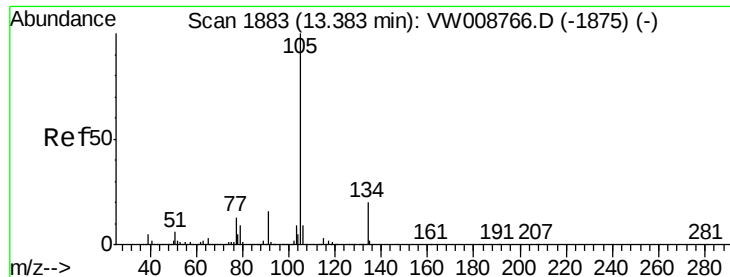
Tot Ion:119 Resp: 235474
Ion Ratio Lower Upper
119 100
91 67.0 33.6 100.8
134 27.5 13.7 41.1



#84
1,2,4-Trimethylbenzene
Concen: 20.359 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW008906.D
Acq: 01 Mar 2019 01:20

Tgt Ion:105 Resp: 272741
Ion Ratio Lower Upper
105 100
120 45.5 22.8 68.4

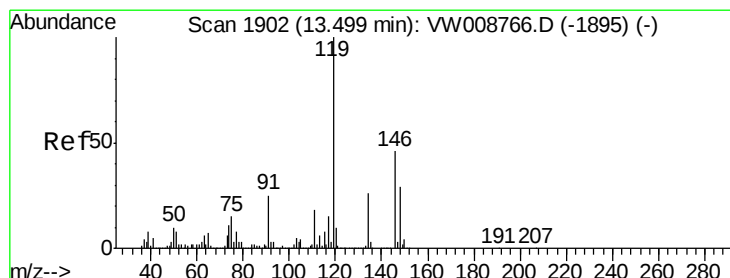
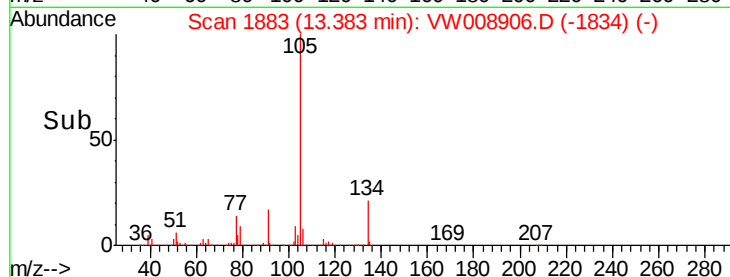
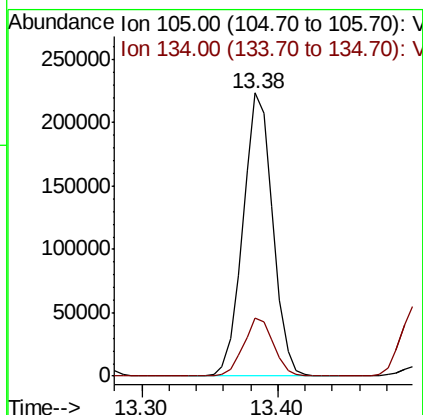
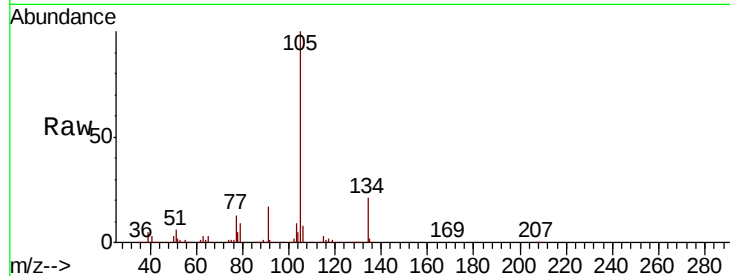




#85
 sec-Butylbenzene
 Concen: 21.169 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW008906.D
 Acq: 01 Mar 2019 01:20

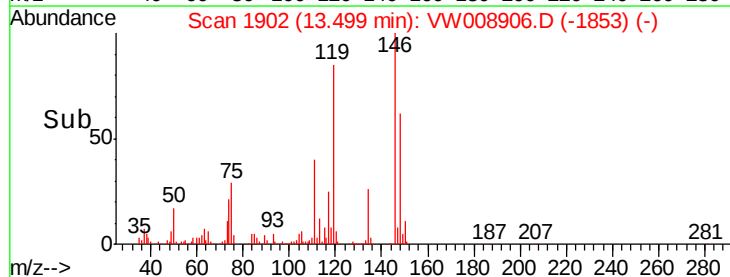
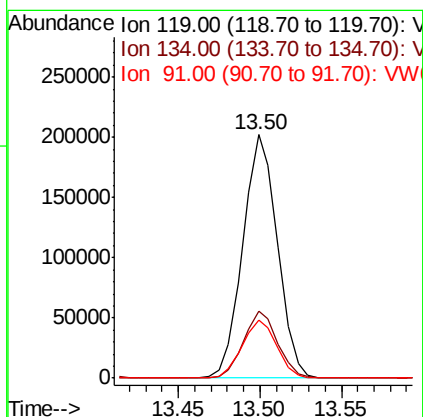
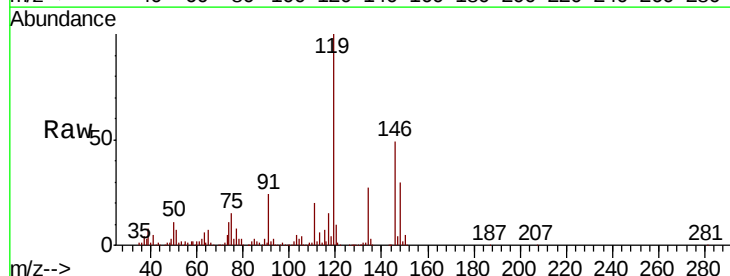
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0228SBS02

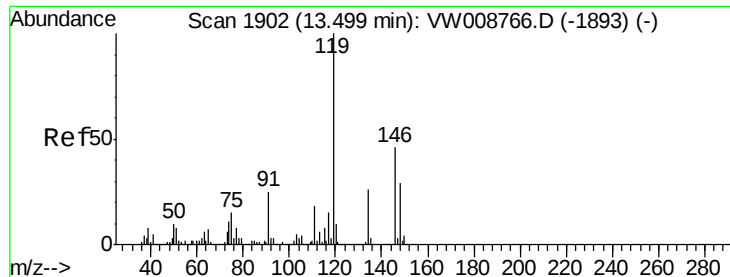
Tot Ion:105 Resp: 340616
 Ion Ratio Lower Upper
 105 100
 134 20.7 10.4 31.1



#86
 p-Isopropyltoluene
 Concen: 20.226 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW008906.D
 Acq: 01 Mar 2019 01:20

Tgt Ion:119 Resp: 298346
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.1 39.3
 91 23.9 12.1 36.3

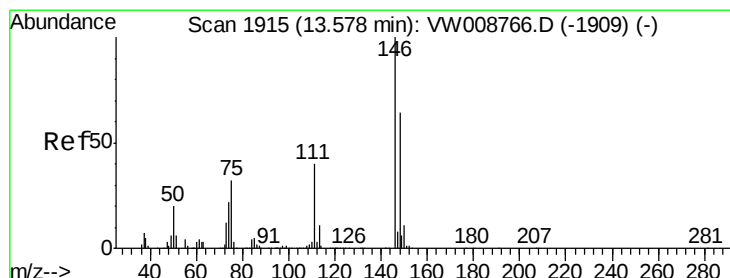
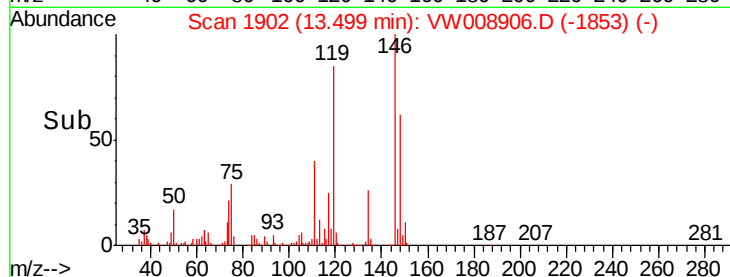
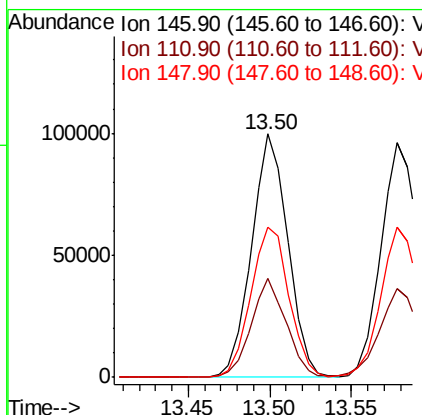
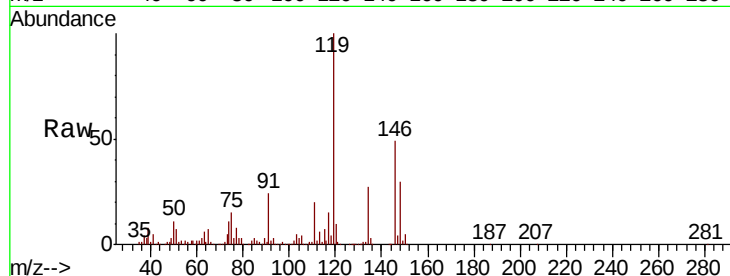




#87
 1,3-Dichlorobenzene
 Concen: 21.053 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW008906.D
 Acq: 01 Mar 2019 01:20

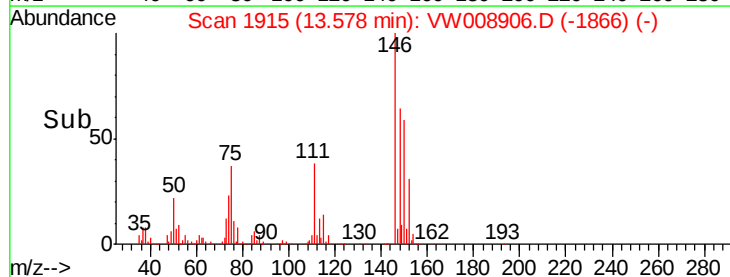
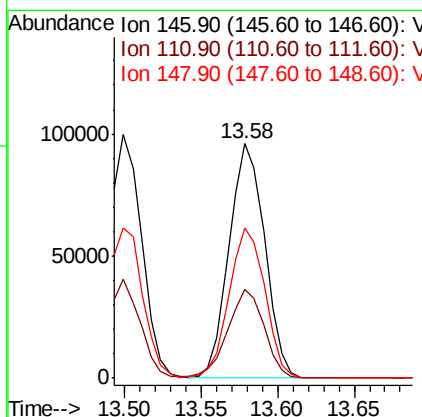
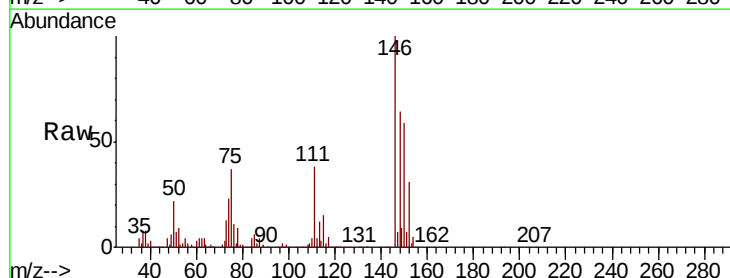
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0228SBS02

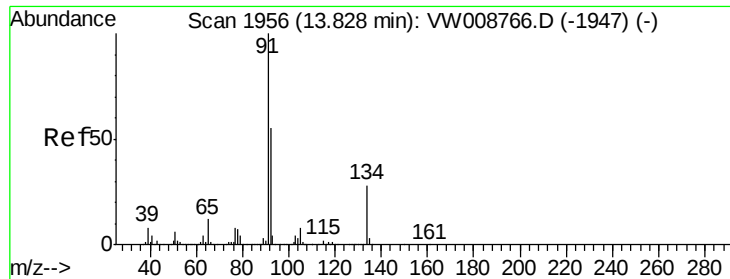
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.9	59.7
148	65.0	31.6	94.8



#88
 1,4-Dichlorobenzene
 Concen: 21.590 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW008906.D
 Acq: 01 Mar 2019 01:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.3	57.9
148	64.3	31.9	95.9





#89

n-Butylbenzene

Concen: 19.587 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW008906.D

Acq: 01 Mar 2019 01:20

Instrument :

MSVOA_W

ClientSampleId :

VW0228SBS02

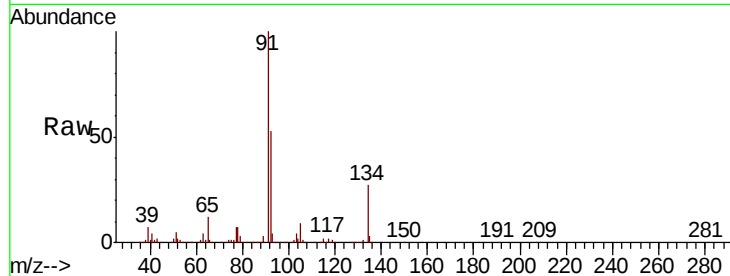
Tot Ion: 91 Resp: 270677

Ion Ratio Lower Upper

91 100

92 53.6 26.8 80.4

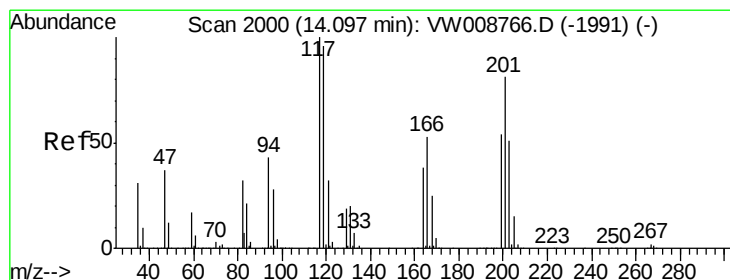
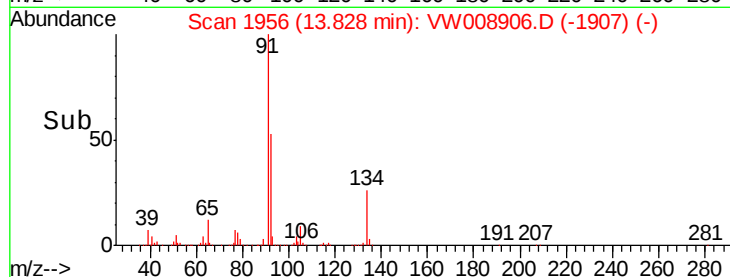
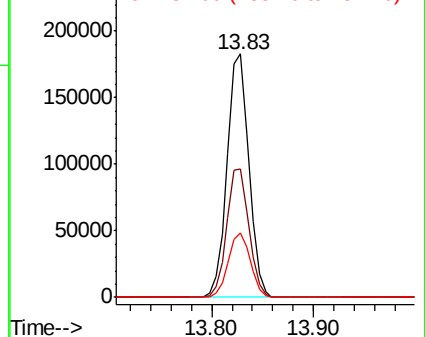
134 26.8 13.5 40.4



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: 22.007 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW008906.D

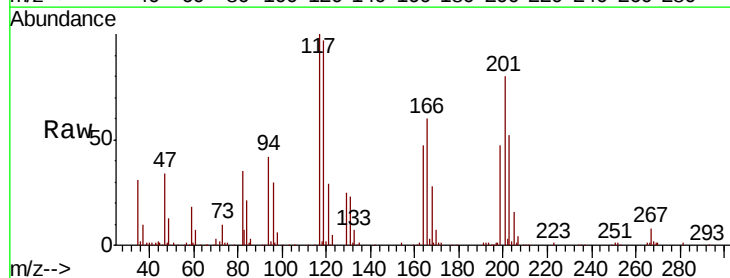
Acq: 01 Mar 2019 01:20

Tgt Ion: 117 Resp: 53142

Ion Ratio Lower Upper

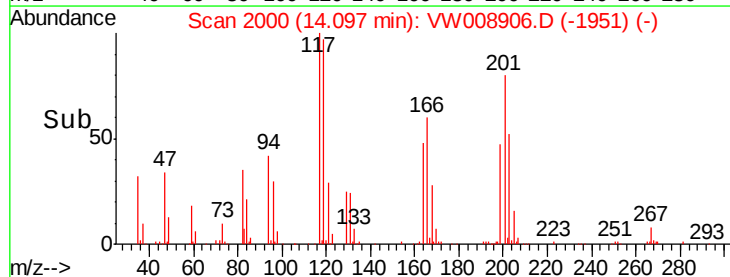
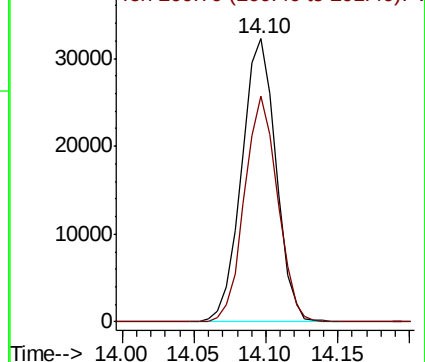
117 100

201 77.1 40.3 120.8



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

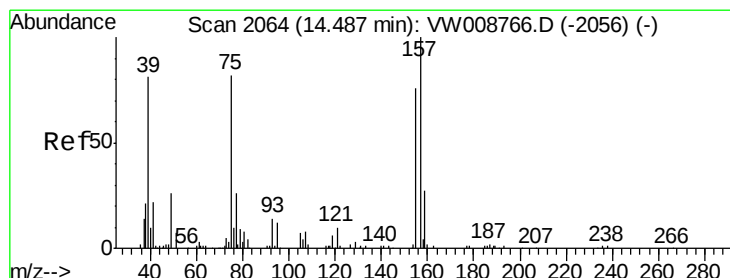
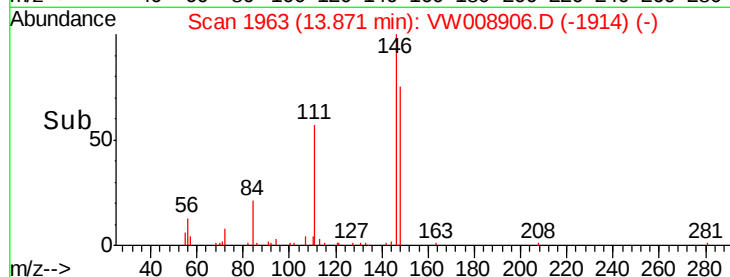
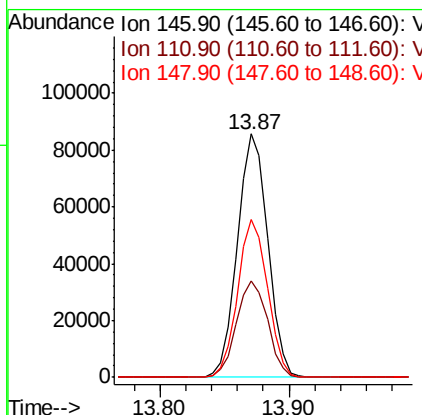
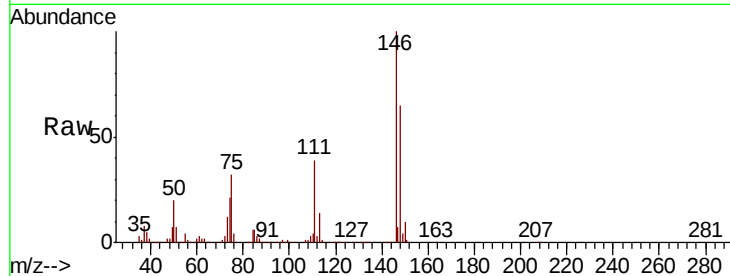




#91
 1,2-Dichlorobenzene
 Concen: 21.443 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW008906.D
 Acq: 01 Mar 2019 01:20

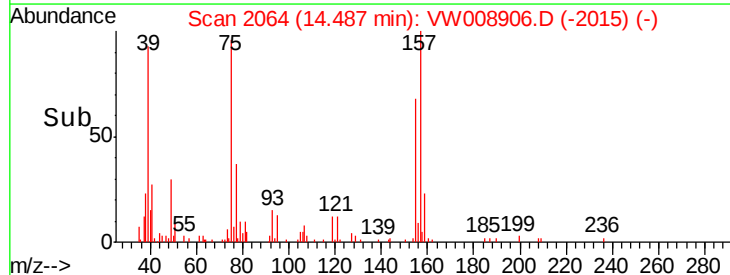
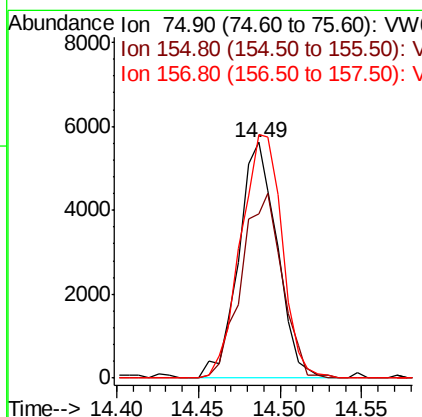
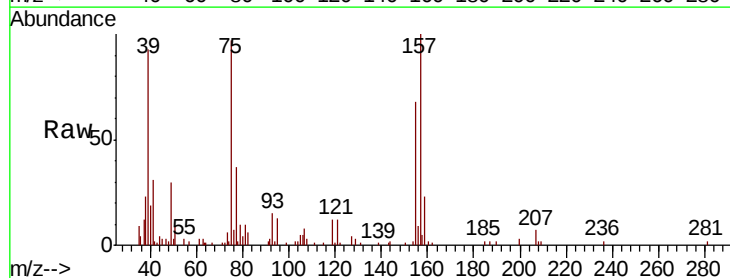
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0228SBS02

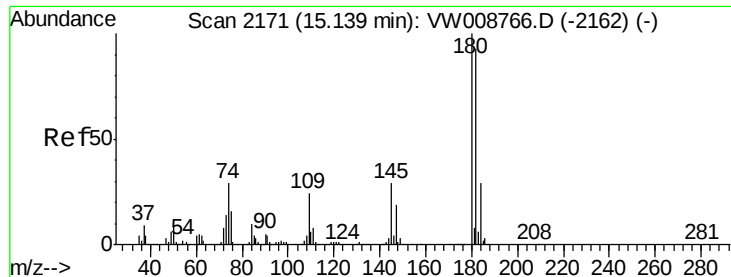
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.3	60.8
148	64.0	32.5	97.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.982 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW008906.D
 Acq: 01 Mar 2019 01:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.2	41.8	125.4
157	110.8	56.6	169.9

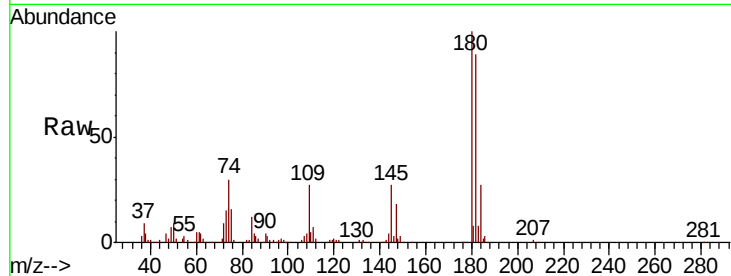




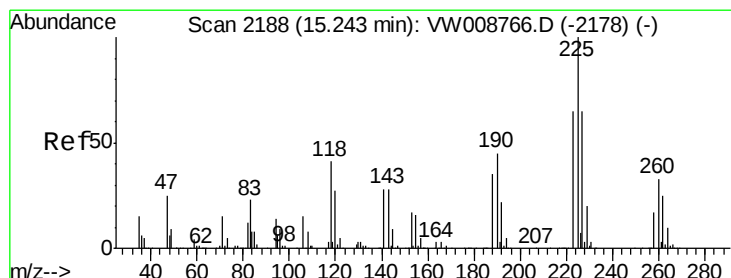
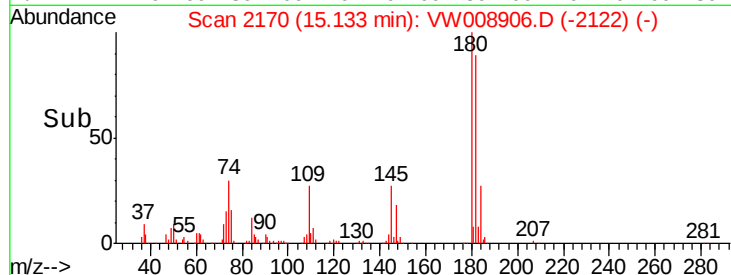
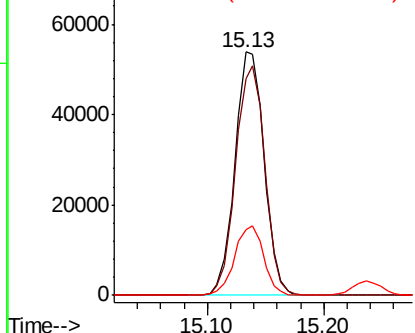
#93
 1,2,4-Trichlorobenzene
 Concen: 20.103 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW008906.D
 Acq: 01 Mar 2019 01:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0228SBS02

Tot Ion:180 Resp: 94232
 Ion Ratio Lower Upper
 180 100
 182 94.7 47.2 141.6
 145 28.4 14.4 43.0

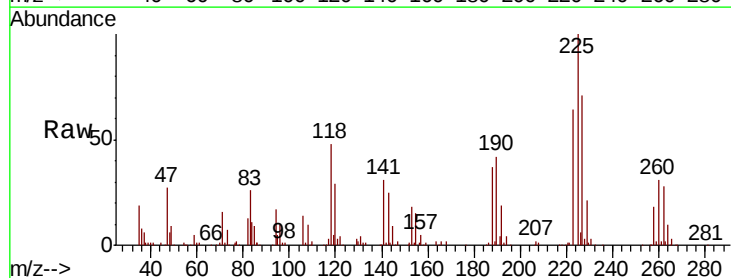


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

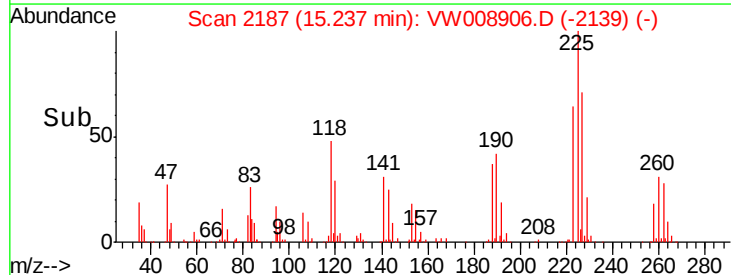
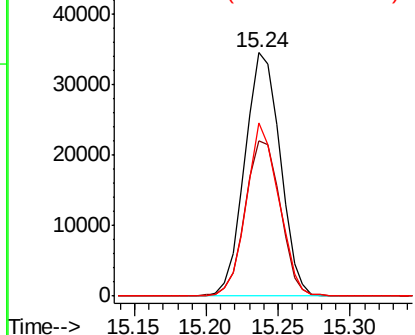


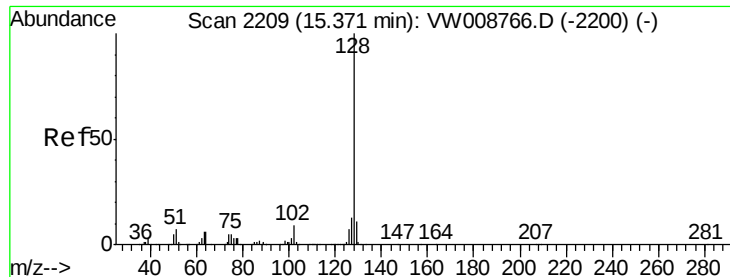
#94
 Hexachlorobutadiene
 Concen: 21.283 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VW008906.D
 Acq: 01 Mar 2019 01:20

Tgt Ion:225 Resp: 58764
 Ion Ratio Lower Upper
 225 100
 223 63.6 31.5 94.5
 227 65.4 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

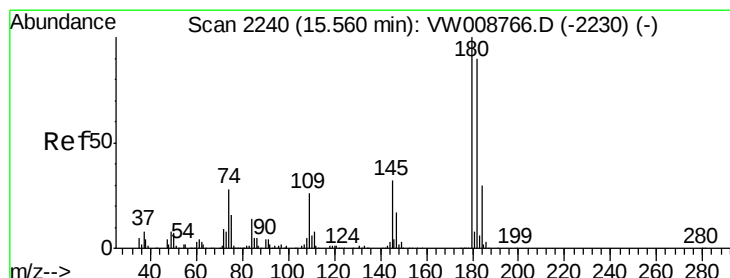
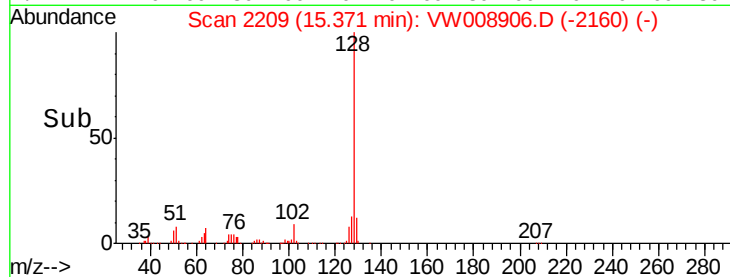
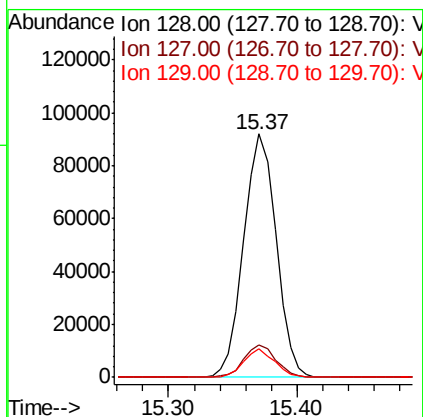
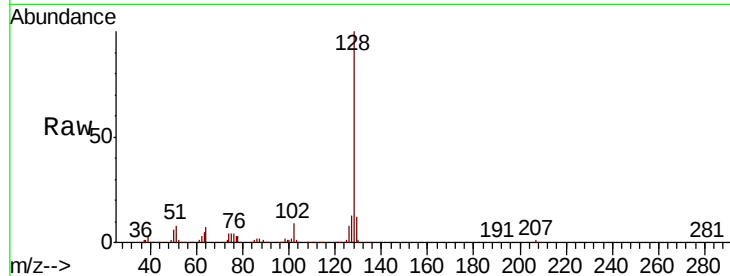




#95
Naphthalene
Concen: 20.116 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW008906.D
Acq: 01 Mar 2019 01:20

Instrument :
MSVOA_W
ClientSampleId :
VW0228SBSD02

Tot Ion:128 Resp: 160550
Ion Ratio Lower Upper
128 100
127 13.2 10.8 16.2
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 20.247 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW008906.D
Acq: 01 Mar 2019 01:20

Tgt Ion:180 Resp: 82059
Ion Ratio Lower Upper
180 100
182 96.5 46.9 140.8
145 31.7 15.9 47.6

