

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022719\
 Data File : VW008849.D
 Acq On : 27 Feb 2019 12:46
 Operator : SY/VA
 Sample : VW0227SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Feb 28 07:00:50 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	311590	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	452047	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	433312	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	237916	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	165255	56.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.10%	
35) Dibromofluoromethane	7.88	113	152653	56.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.48%	
50) Toluene-d8	10.32	98	577284	55.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.20%	
62) 4-Bromofluorobenzene	12.62	95	219411	53.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.96%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.00	85	55854	17.897	ug/l 99
3) Chloromethane	2.21	50	67992	17.898	ug/l 99
4) Vinyl Chloride	2.36	62	73825	18.355	ug/l 99
5) Bromomethane	2.75	94	54558	18.262	ug/l 100
6) Chloroethane	2.90	64	50990	17.853	ug/l 98
7) Trichlorofluoromethane	3.25	101	95876	18.847	ug/l 95
8) Diethyl Ether	3.69	74	31252	19.405	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	59549	19.277	ug/l 99
10) Methyl Iodide	4.27	142	64558	16.712	ug/l 100
11) Tert butyl alcohol	5.18	59	23928	91.969	ug/l 100
12) 1,1-Dichloroethene	4.03	96	53770	19.709	ug/l 98
13) Acrolein	3.89	56	23289	97.929	ug/l 99
14) Allyl chloride	4.67	41	91275	19.385	ug/l 99
15) Acrylonitrile	5.37	53	68557	99.189	ug/l 99
16) Acetone	4.12	43	69117	102.033	ug/l 93
17) Carbon Disulfide	4.37	76	157158	17.362	ug/l 100
18) Methyl Acetate	4.68	43	31691	19.724	ug/l 97
19) Methyl tert-butyl Ether	5.43	73	149476	20.242	ug/l 99
20) Methylene Chloride	4.92	84	67060	16.693	ug/l 95
21) trans-1,2-Dichloroethene	5.42	96	61195	19.391	ug/l 90
22) Diisopropyl ether	6.31	45	187880	20.003	ug/l 97
23) Vinyl Acetate	6.26	43	601291	103.610	ug/l 99
24) 1,1-Dichloroethane	6.22	63	108571	19.947	ug/l 96
25) 2-Butanone	7.17	43	94793	100.093	ug/l 99
26) 2,2-Dichloropropane	7.17	77	96953	19.620	ug/l 100
27) cis-1,2-Dichloroethene	7.17	96	66387	19.666	ug/l 96
28) Bromochloromethane	7.51	49	51508	22.614	ug/l 99
29) Tetrahydrofuran	7.53	42	61612	102.087	ug/l 98
30) Chloroform	7.68	83	108471	19.426	ug/l 97
31) Cyclohexane	7.95	56	108770	19.742	ug/l 93
32) 1,1,1-Trichloroethane	7.87	97	100773	19.845	ug/l 98
36) 1,1-Dichloropropene	8.08	75	89564	20.354	ug/l 99
37) Ethyl Acetate	7.26	43	41500	20.281	ug/l 99
38) Carbon Tetrachloride	8.07	117	91181	19.648	ug/l 98

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Quant Time: Feb 28 07:00:50 2019
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 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 00:38:32 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	102665	18.705	ug/l	99
40) Benzene	8.32	78	236024	19.645	ug/l	98
41) Methacrylonitrile	7.48	41	22463	18.675	ug/l	95
42) 1,2-Dichloroethane	8.40	62	76091	19.993	ug/l	99
43) Isopropyl Acetate	8.43	43	80907	19.811	ug/l	99
44) Trichloroethene	9.09	130	66534	19.658	ug/l	99
45) 1,2-Dichloropropane	9.37	63	59346	19.989	ug/l	99
46) Dibromomethane	9.46	93	33107	20.047	ug/l	99
47) Bromodichloromethane	9.65	83	80630	20.067	ug/l	98
48) Methyl methacrylate	9.43	41	34857	17.821	ug/l	94
49) 1,4-Dioxane	9.45	88	10074	380.924	ug/l	92
51) 4-Methyl-2-Pentanone	10.21	43	205203	98.968	ug/l	99
52) Toluene	10.38	92	155642	19.088	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	81023	19.784	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	95205	20.383	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	47542	21.228	ug/l	96
56) Ethyl methacrylate	10.65	69	55892	19.209	ug/l	99
57) 1,3-Dichloropropane	10.93	76	83206	21.042	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	180470	123.320	ug/l	99
59) 2-Hexanone	10.97	43	146348	99.155	ug/l	99
60) Dibromochloromethane	11.13	129	54850	20.079	ug/l	97
61) 1,2-Dibromoethane	11.24	107	44327	19.995	ug/l	99
64) Tetrachloroethene	10.86	164	57367	18.495	ug/l	96
65) Chlorobenzene	11.66	112	175118	19.220	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	58862	19.106	ug/l	97
67) Ethyl Benzene	11.73	91	308788	18.958	ug/l	100
68) m/p-Xylenes	11.84	106	249069	38.272	ug/l	98
69) o-Xylene	12.17	106	115345	18.883	ug/l	99
70) Styrene	12.18	104	186430	18.971	ug/l	99
71) Bromoform	12.35	173	31652	19.114	ug/l #	99
73) Isopropylbenzene	12.46	105	312461	19.157	ug/l	100
74) N-amyl acetate	12.27	43	75997	18.498	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	52198	19.586	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	70521	35.901	ug/l #	100
77) Bromobenzene	12.75	156	75087	19.482	ug/l	98
78) n-propylbenzene	12.80	91	383494	19.222	ug/l	99
79) 2-Chlorotoluene	12.90	91	214923	18.974	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	267068	18.842	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	15566	19.265	ug/l	98
82) 4-Chlorotoluene	12.99	91	226423	18.968	ug/l	98
83) tert-Butylbenzene	13.21	119	232527	18.973	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	273486	18.640	ug/l	98
85) sec-Butylbenzene	13.38	105	332618	18.875	ug/l	99
86) p-Isopropyltoluene	13.50	119	303696	18.799	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	153161	19.153	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	152457	19.344	ug/l	99
89) n-Butylbenzene	13.83	91	285705	18.877	ug/l	99
90) Hexachloroethane	14.10	117	52033	19.675	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	134814	18.921	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	9496	19.698	ug/l	93

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Instrument :
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Quant Time: Feb 28 07:00:50 2019
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Quant Title : SW846 8260
QLast Update : Fri Feb 22 00:38:32 2019
Response via : Initial Calibration

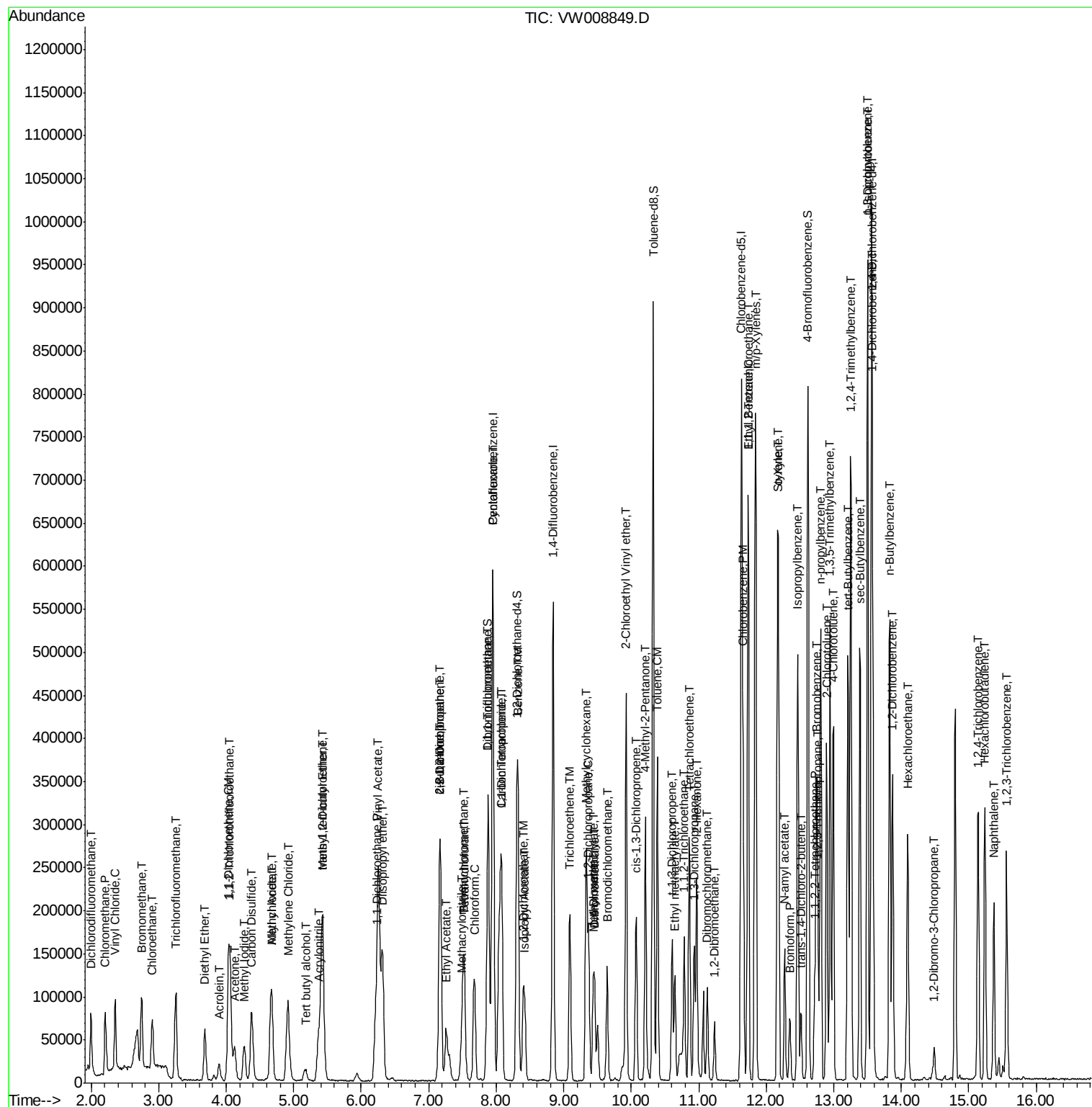
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	100314	19.540	ug/l	98
94) Hexachlorobutadiene	15.24	225	59737	19.754	ug/l	99
95) Naphthalene	15.37	128	167269	19.136	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	88656	19.973	ug/l	98

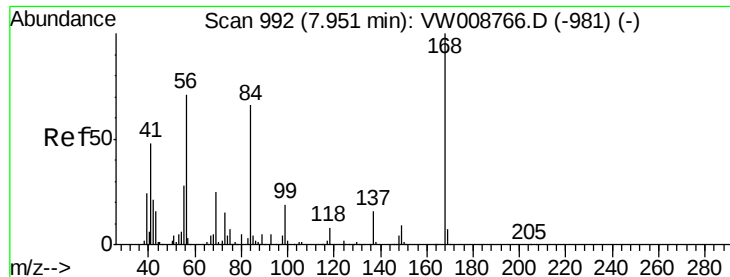
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW022719\
 Data File : VW008849.D
 Acq On : 27 Feb 2019 12:46
 Operator : SY/VA
 Sample : VW0227SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
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Quant Time: Feb 28 07:00:50 2019
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 Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

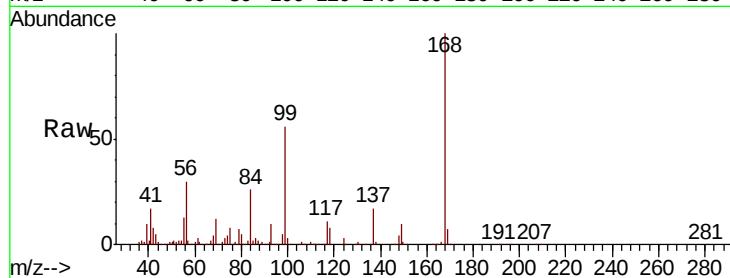
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 311590

Ion Ratio Lower Upper

168 100

99 55.7 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): VW008766.D (-981) (-)

Ion 98.90 (98.60 to 99.60): VW008766.D (-981) (-)

7.95

150000

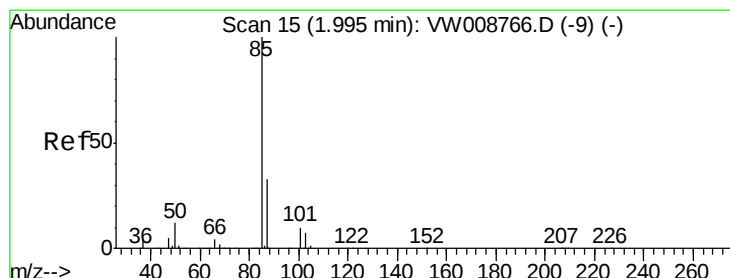
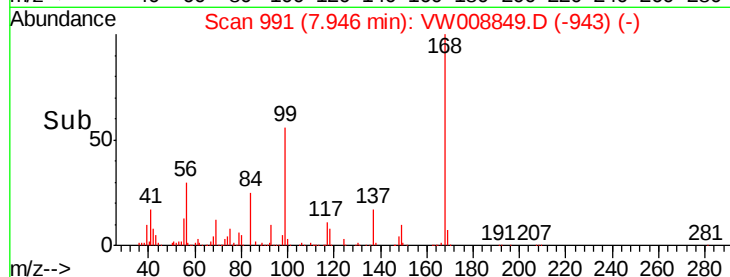
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 17.897 ug/l

RT: 2.00 min Scan# 15

Delta R.T. 0.00 min

Lab File: VW008849.D

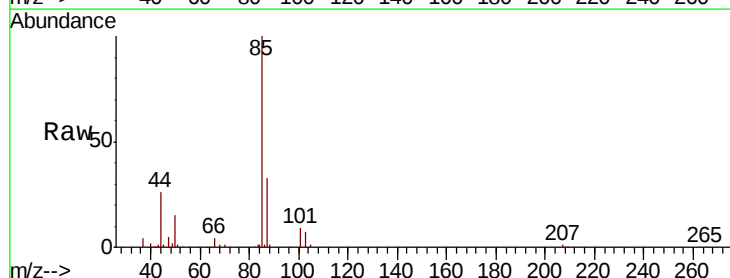
Acq: 27 Feb 2019 12:46

Tgt Ion: 85 Resp: 55854

Ion Ratio Lower Upper

85 100

87 33.3 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VW008766.D (-9) (-)

Ion 86.90 (86.60 to 87.60): VW008766.D (-9) (-)

2.00

40000

30000

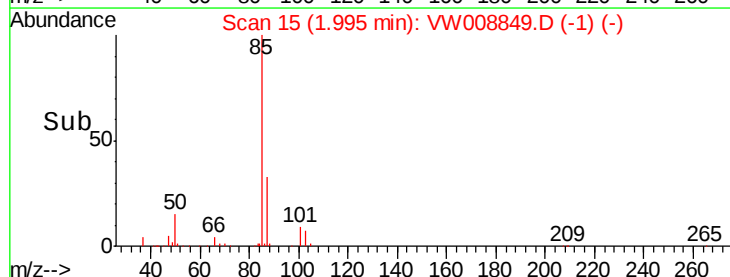
20000

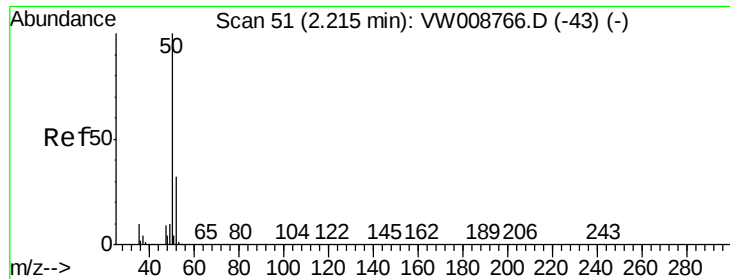
10000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 17.898 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

Instrument :

MSVOA_W

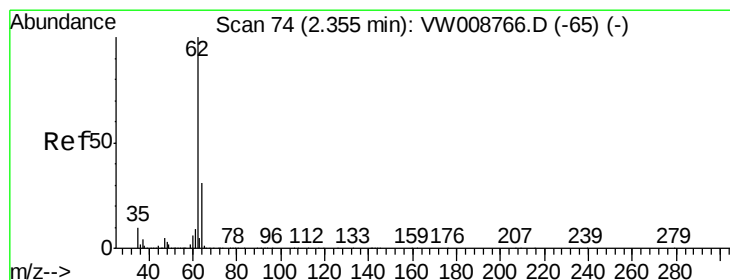
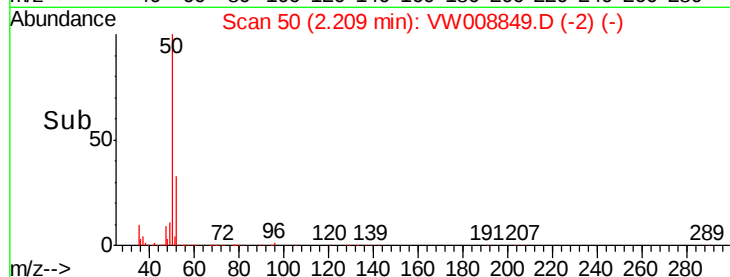
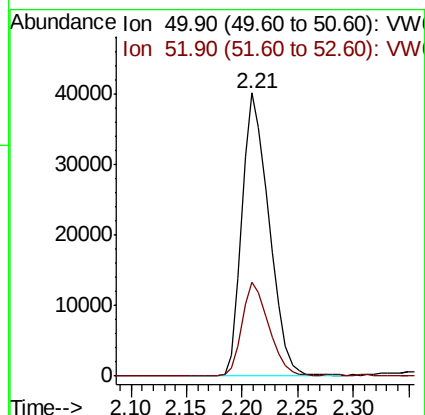
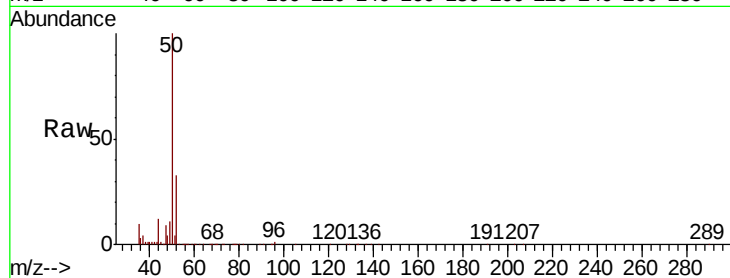
ClientSampleId :

Tot Ion: 50 Resp: 67992

Ion Ratio Lower Upper

50 100

52 33.1 25.9 38.9



#4

Vinyl Chloride

Concen: 18.355 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW008849.D

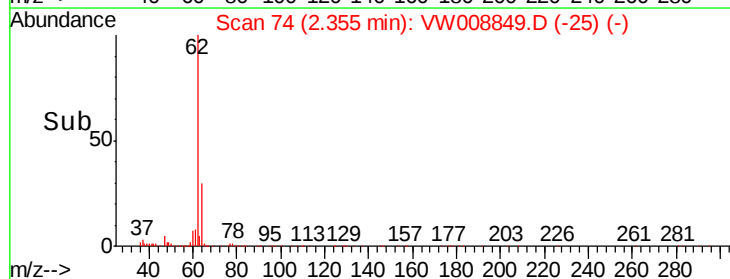
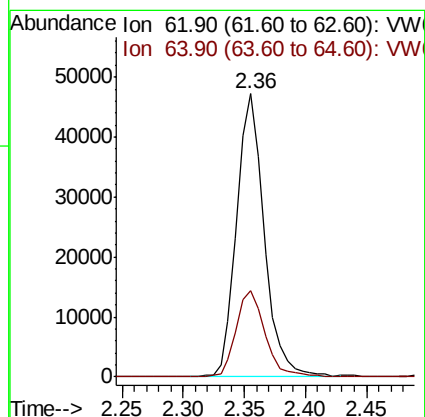
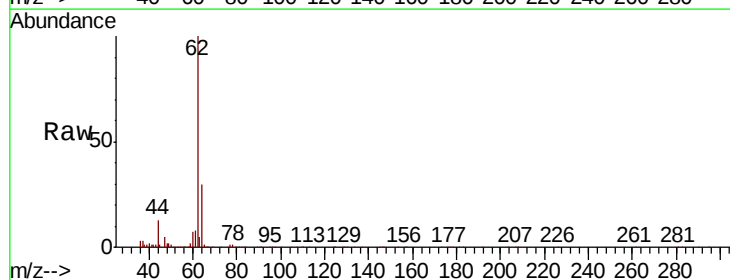
Acq: 27 Feb 2019 12:46

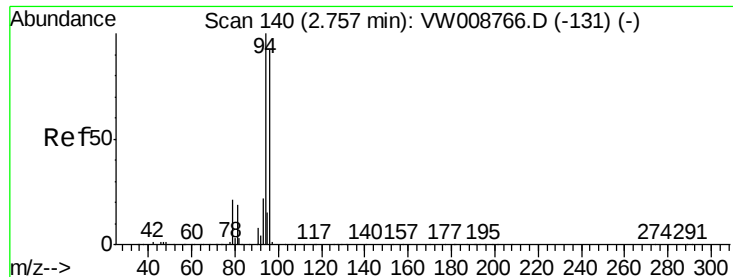
Tgt Ion: 62 Resp: 73825

Ion Ratio Lower Upper

62 100

64 30.5 24.9 37.3





#5

Bromomethane

Concen: 18.262 ug/l

RT: 2.75 min Scan# 138

Delta R.T. -0.01 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

Instrument :

MSVOA_W

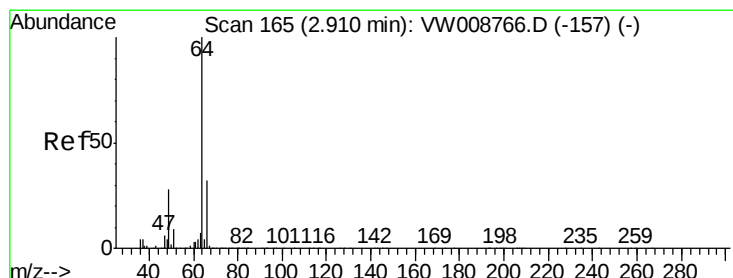
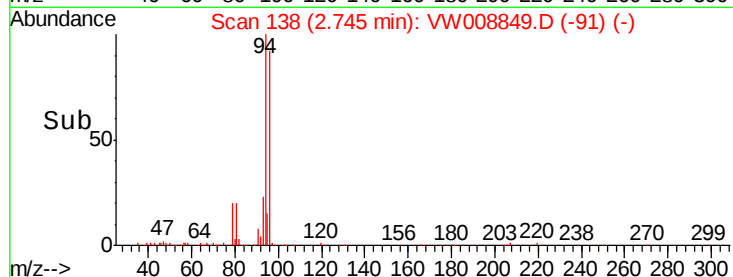
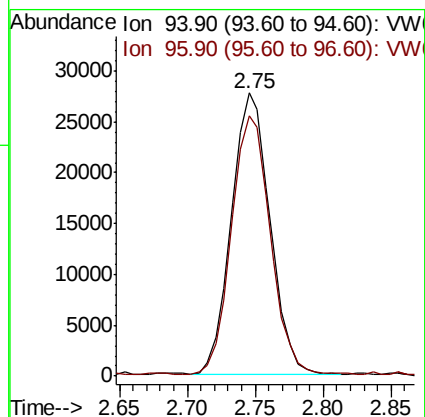
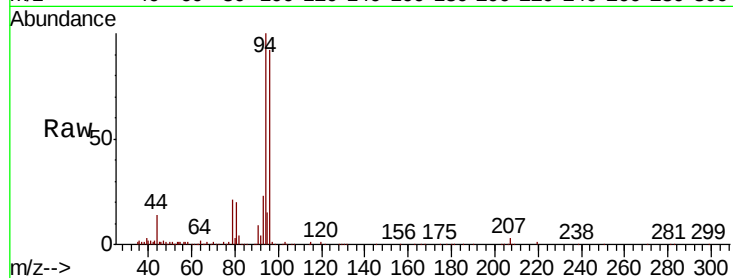
ClientSampleId :

Tot Ion: 94 Resp: 54558

Ion Ratio Lower Upper

94 100

96 92.1 73.4 110.2



#6

Chloroethane

Concen: 17.853 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW008849.D

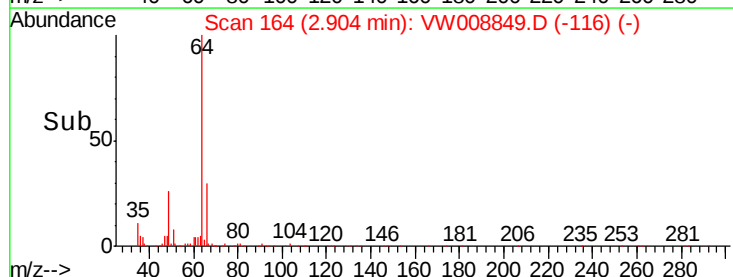
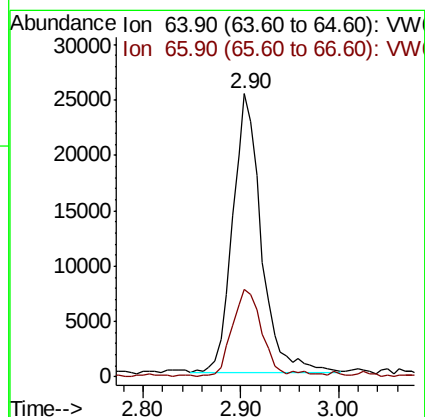
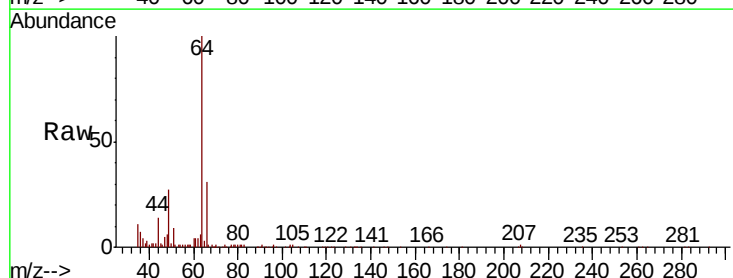
Acq: 27 Feb 2019 12:46

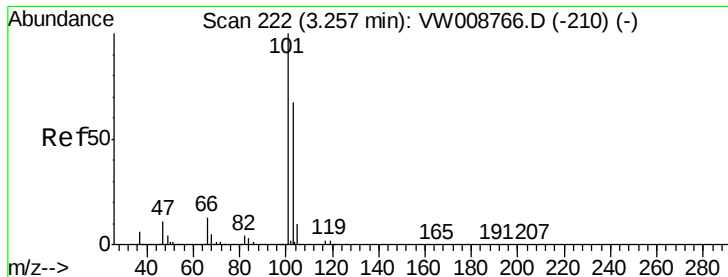
Tgt Ion: 64 Resp: 50990

Ion Ratio Lower Upper

64 100

66 30.8 25.5 38.3



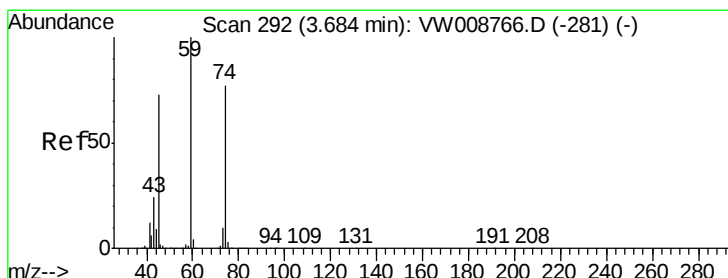
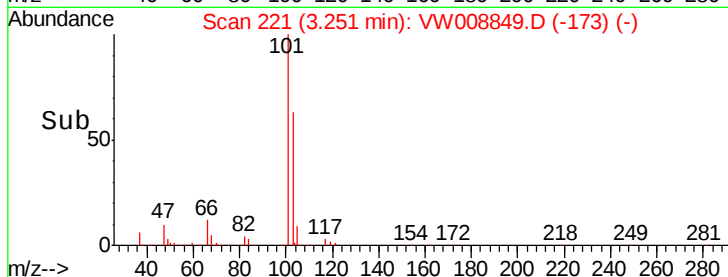
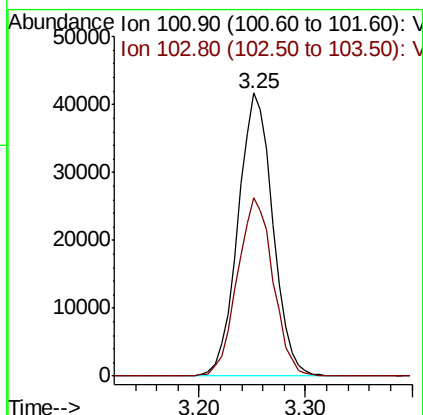
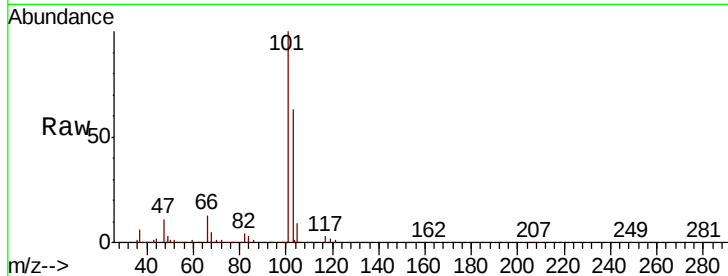


#7

Trichlorofluoromethane
 Concen: 18.847 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW008849.D
 Acq: 27 Feb 2019 12:46

Instrument :
 MSVOA_W
 ClientSampled :

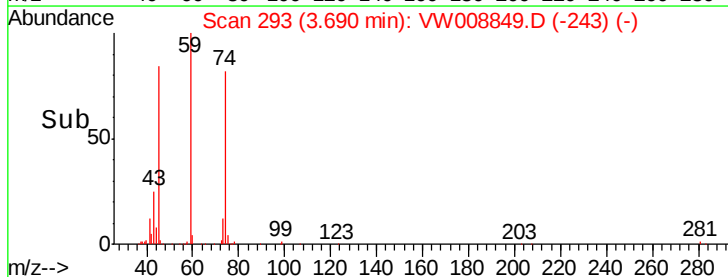
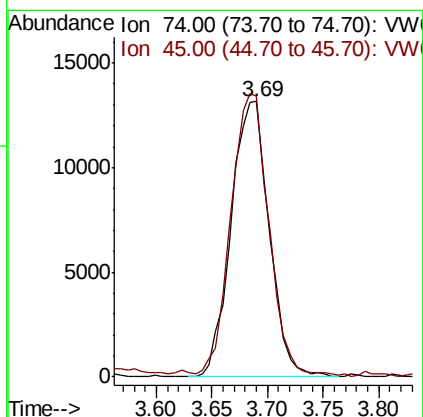
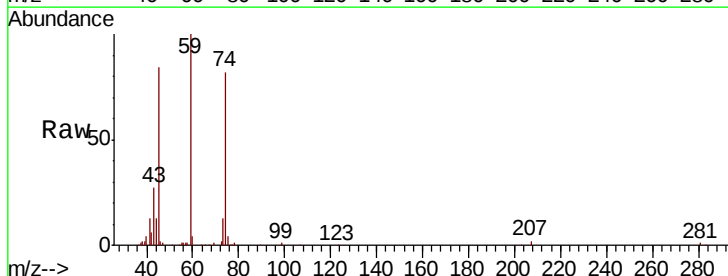
Tot Ion:101 Resp: 95876
 Ion Ratio Lower Upper
 101 100
 103 63.0 53.9 80.9

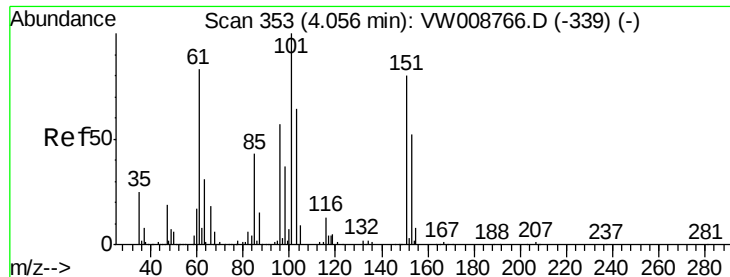


#8

Diethyl Ether
 Concen: 19.405 ug/l
 RT: 3.69 min Scan# 293
 Delta R.T. 0.01 min
 Lab File: VW008849.D
 Acq: 27 Feb 2019 12:46

Tgt Ion: 74 Resp: 31252
 Ion Ratio Lower Upper
 74 100
 45 103.1 50.2 150.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.277 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

Instrument :

MSVOA_W

ClientSampled :

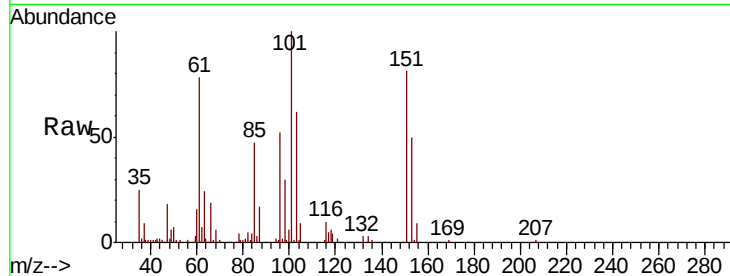
Tot Ion:101 Resp: 59549

Ion Ratio Lower Upper

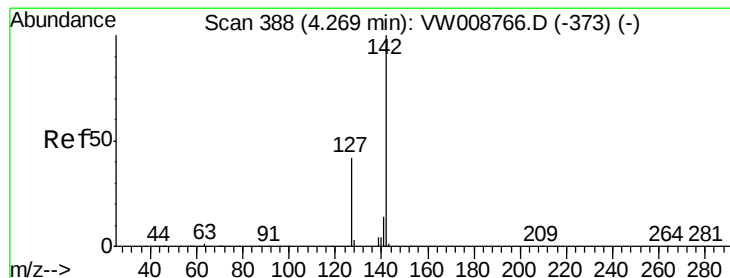
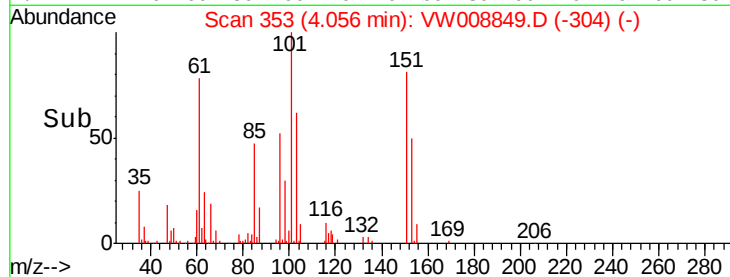
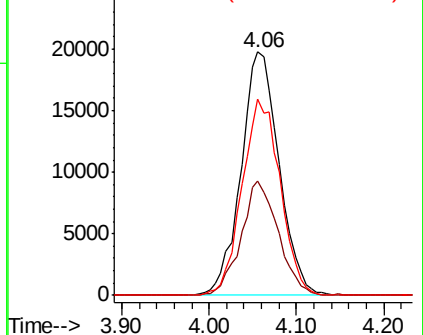
101 100

85 45.8 36.0 54.0

151 80.8 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: 16.712 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

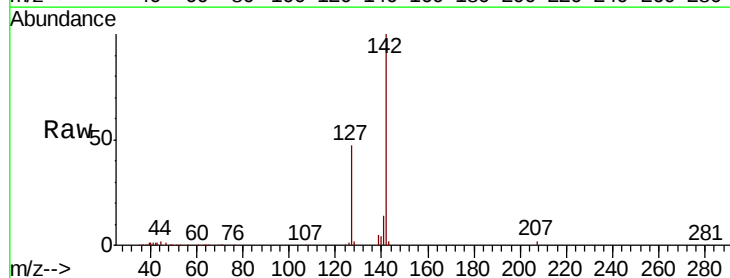
Tgt Ion:142 Resp: 64558

Ion Ratio Lower Upper

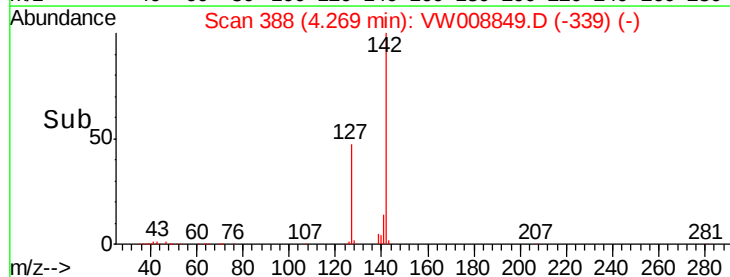
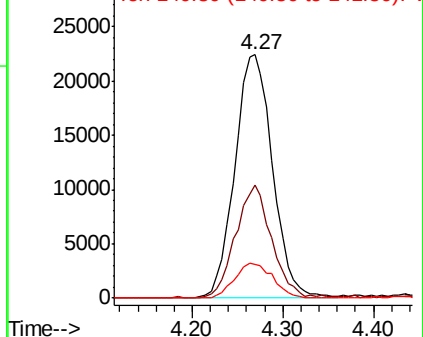
142 100

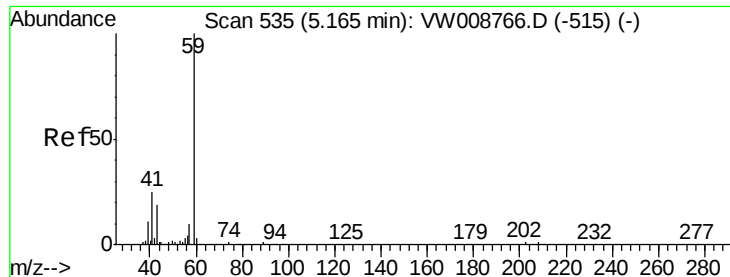
127 44.0 35.3 52.9

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



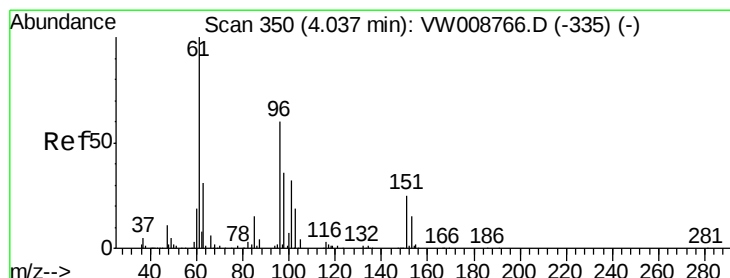
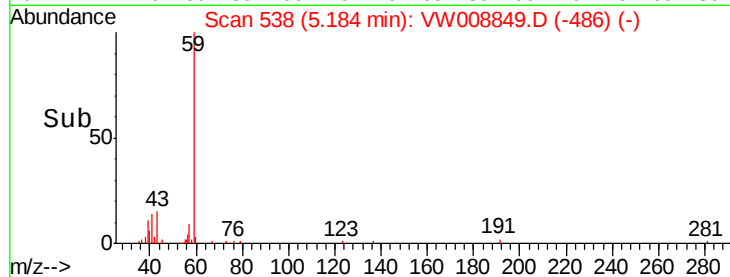
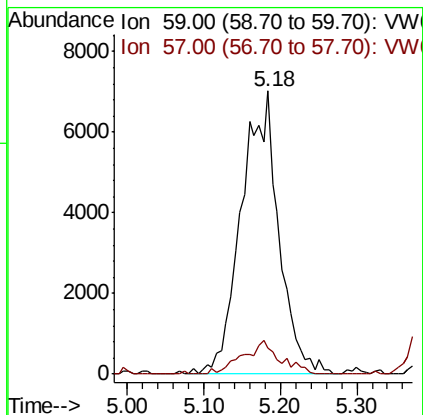
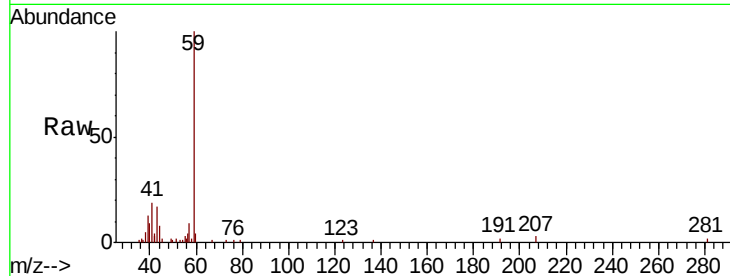


#11

Tert butyl alcohol
Concen: 91.969 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.02 min
Lab File: VW008849.D
Acq: 27 Feb 2019 12:46

Instrument :
MSVOA_W
ClientSampleId :

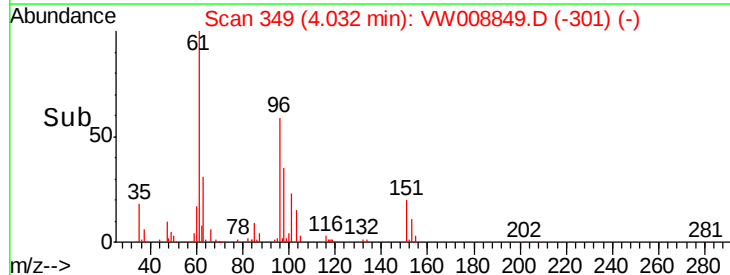
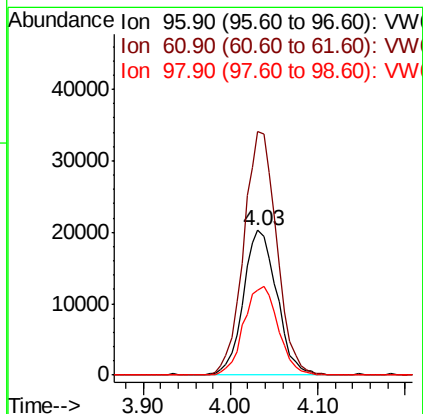
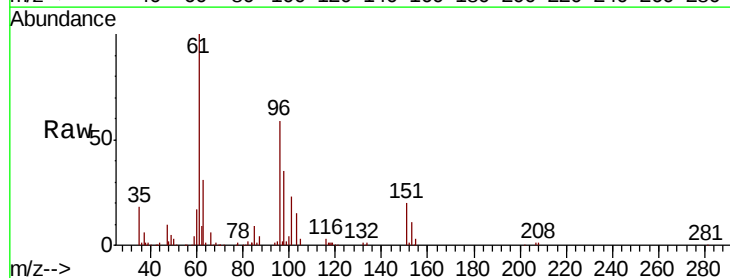
Tot Ion: 59 Resp: 23928
Ion Ratio Lower Upper
59 100
57 11.6 9.3 13.9

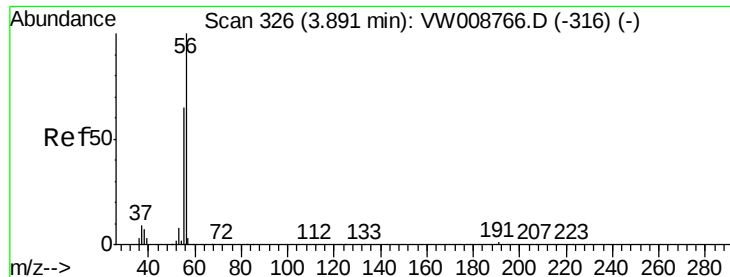


#12

1,1-Dichloroethene
Concen: 19.709 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW008849.D
Acq: 27 Feb 2019 12:46

Tgt Ion: 96 Resp: 53770
Ion Ratio Lower Upper
96 100
61 168.5 132.5 198.7
98 58.7 48.2 72.4





#13

Acrolein

Concen: 97.929 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

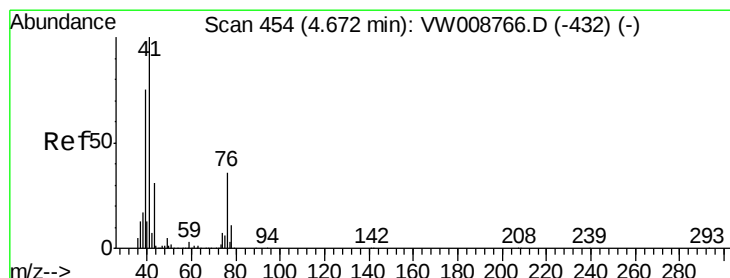
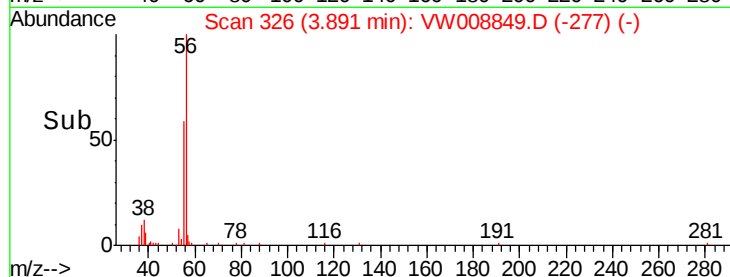
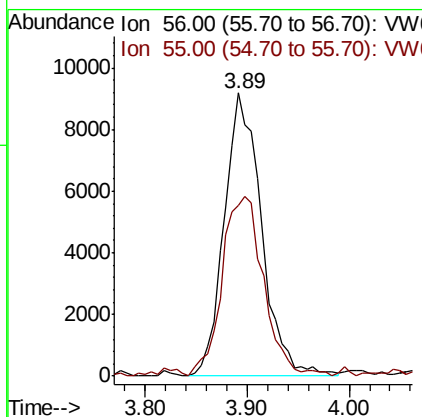
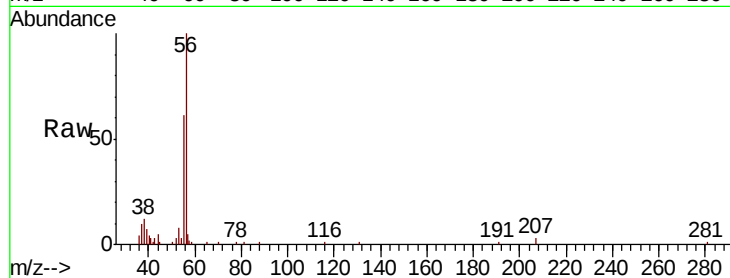
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 23289

Ion Ratio Lower Upper

56 100

55 70.1 56.9 85.3



#14

Allyl chloride

Concen: 19.385 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

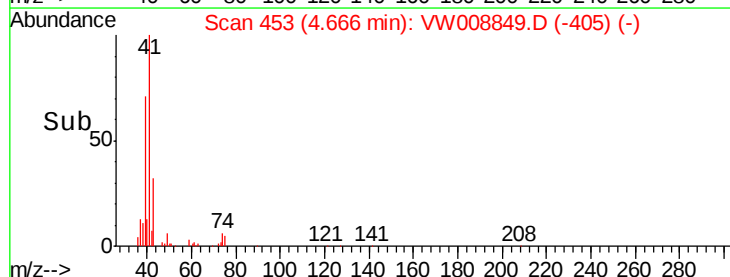
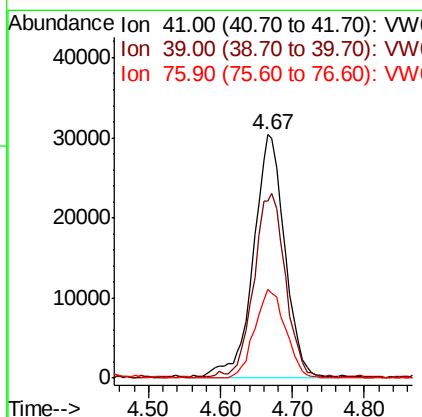
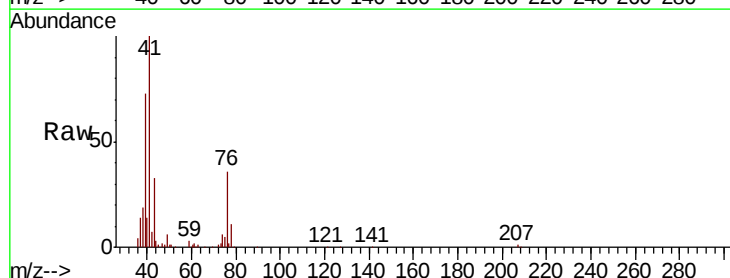
Tgt Ion: 41 Resp: 91275

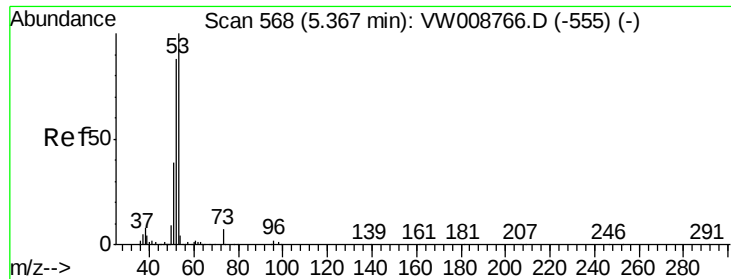
Ion Ratio Lower Upper

41 100

39 77.1 60.6 91.0

76 35.9 28.6 42.8





#15

Acrylonitrile

Concen: 99.189 ug/l

RT: 5.37 min Scan# 568

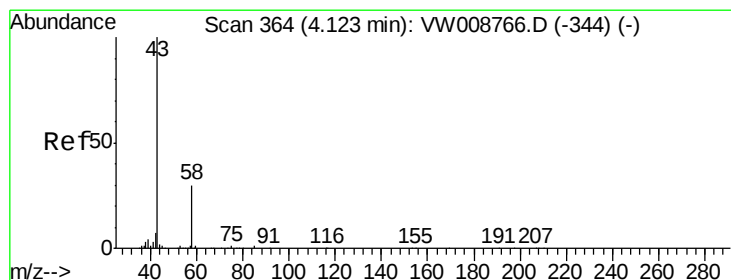
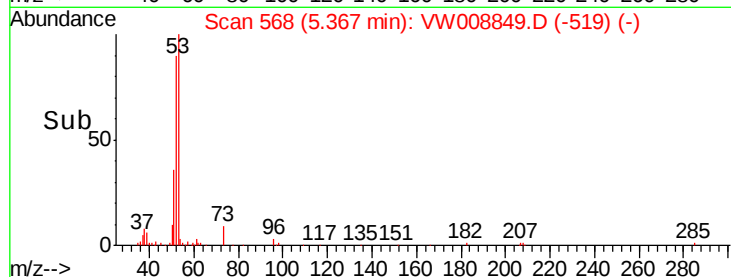
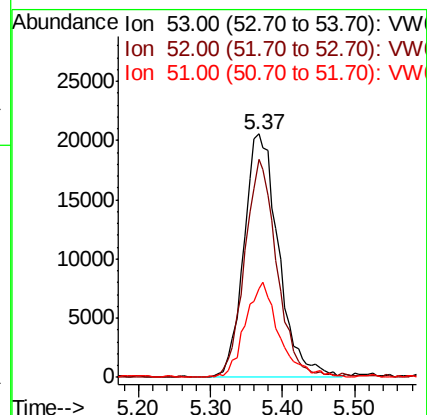
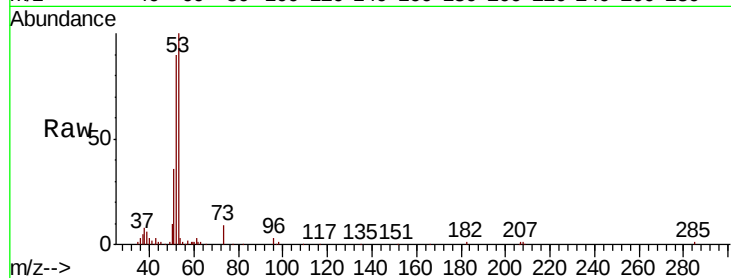
Delta R.T. 0.00 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	53	Resp:	68557
Ion	Ratio	Lower	Upper
53	100		
52	82.8	67.2	100.8
51	38.5	31.1	46.7



#16

Acetone

Concen: 102.033 ug/l

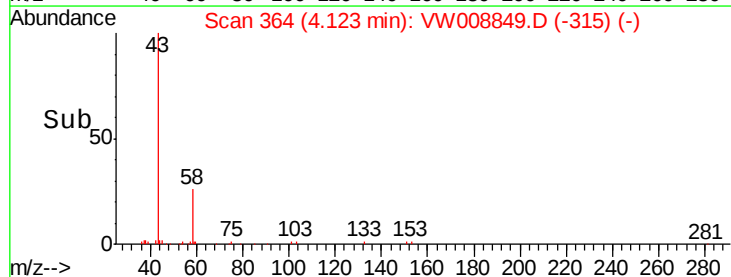
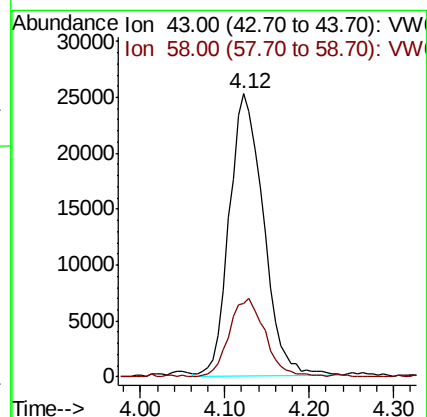
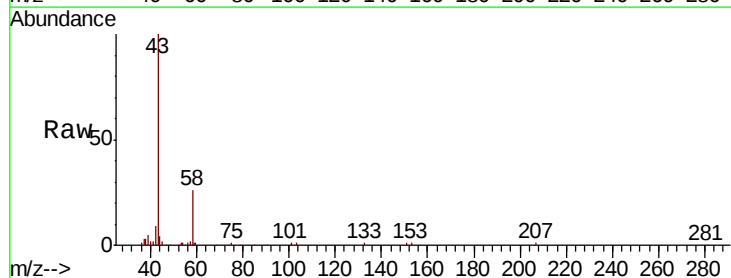
RT: 4.12 min Scan# 364

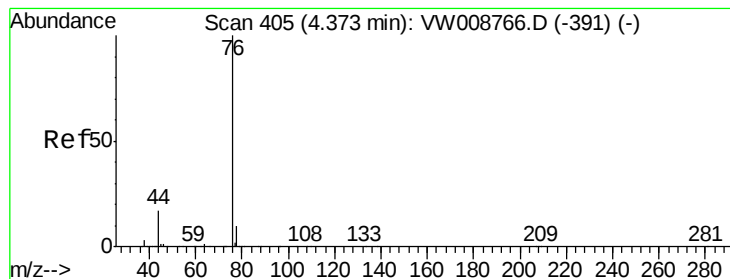
Delta R.T. 0.00 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

Tgt Ion:	43	Resp:	69117
Ion	Ratio	Lower	Upper
43	100		
58	26.0	23.8	35.6





#17

Carbon Disulfide

Concen: 17.362 ug/l

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

Instrument :

MSVOA_W

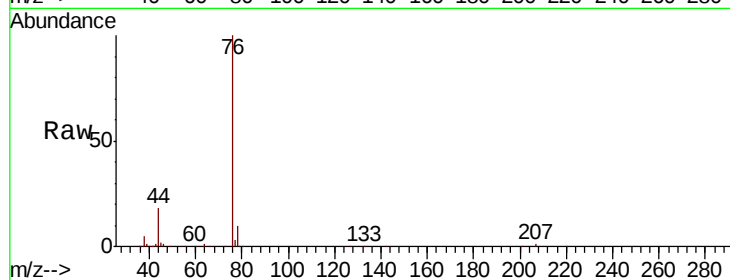
ClientSampleId :

Tot Ion: 76 Resp: 157158

Ion Ratio Lower Upper

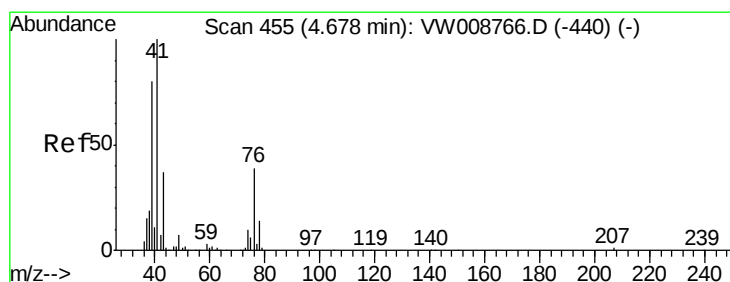
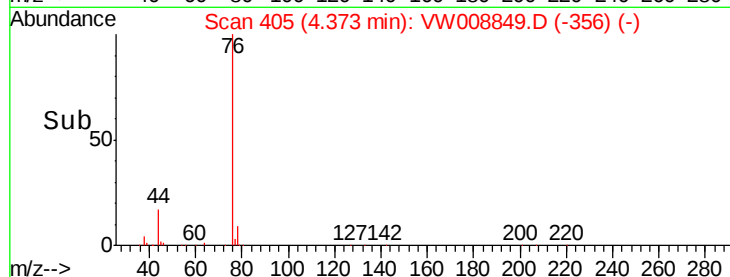
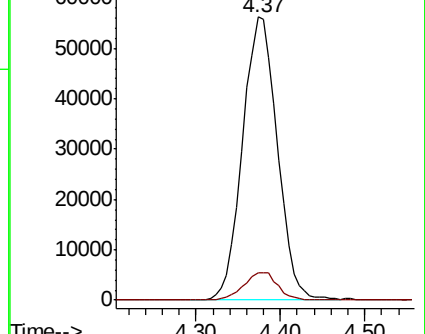
76 100

78 9.9 7.8 11.8



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 19.724 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.00 min

Lab File: VW008849.D

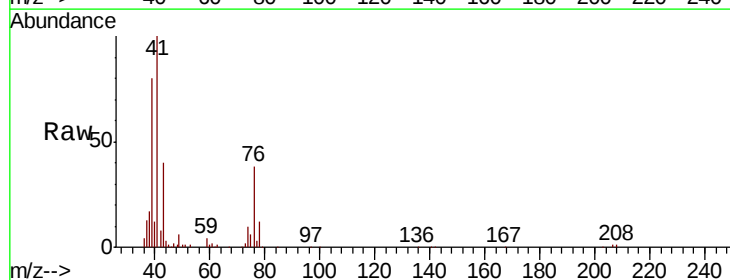
Acq: 27 Feb 2019 12:46

Tgt Ion: 43 Resp: 31691

Ion Ratio Lower Upper

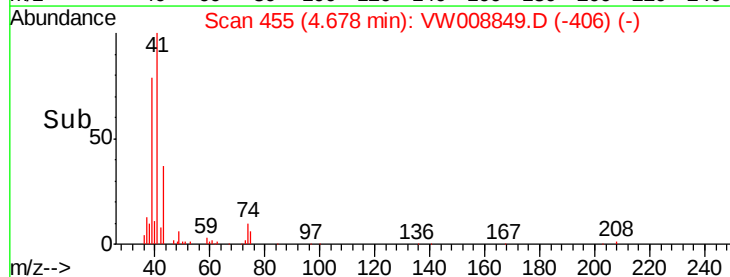
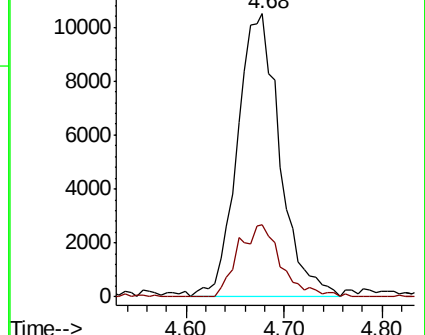
43 100

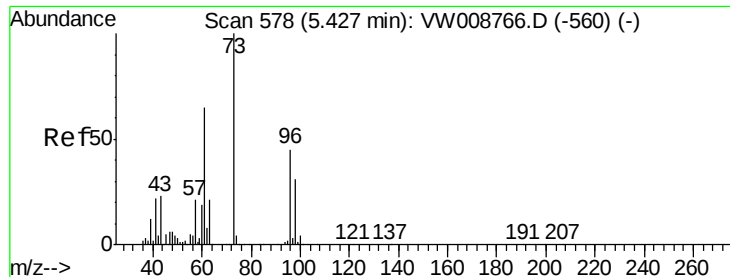
74 25.8 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



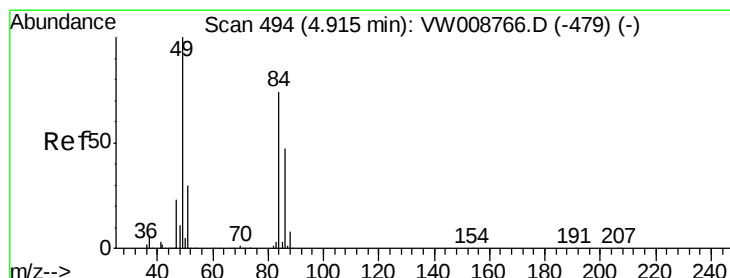
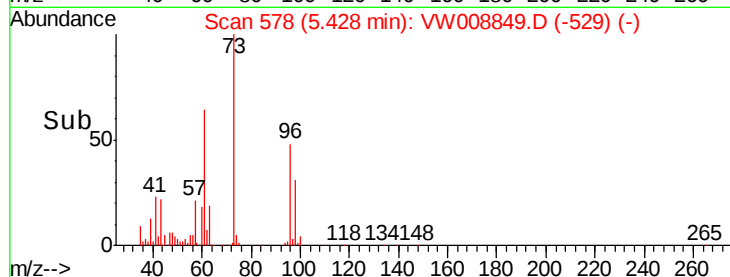
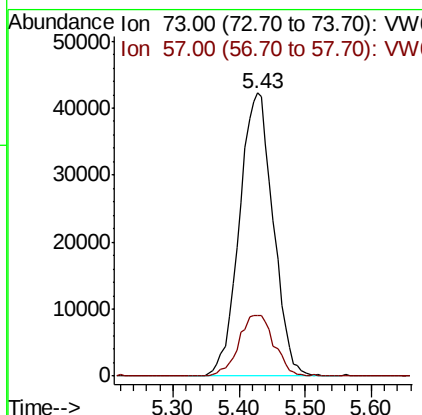
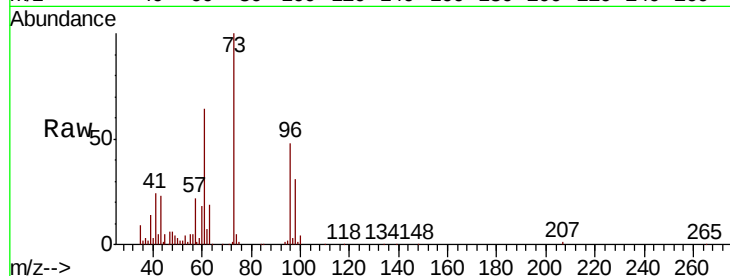


#19

Methyl tert-butyl Ether
 Concen: 20.242 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. 0.00 min
 Lab File: VW008849.D
 Acq: 27 Feb 2019 12:46

Instrument :
 MSVOA_W
 ClientSampled :

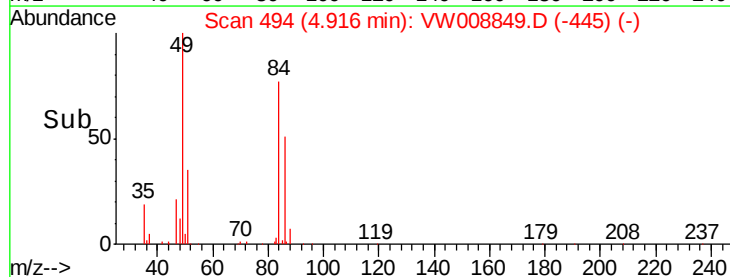
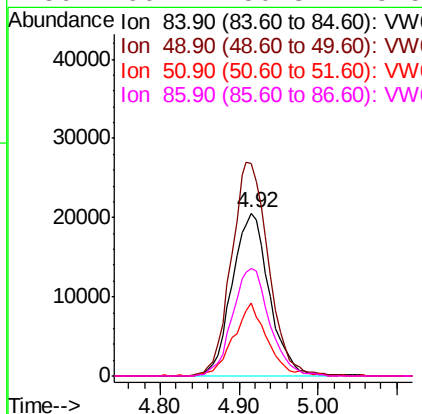
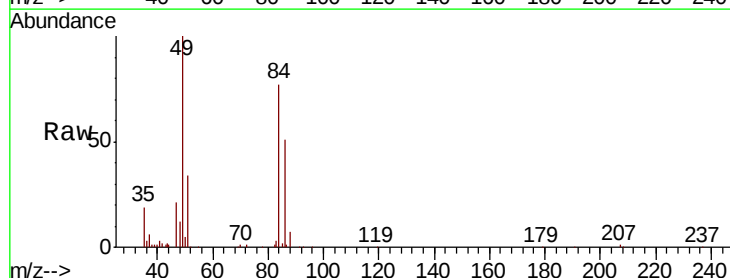
Tot Ion: 73 Resp: 149476
 Ion Ratio Lower Upper
 73 100
 57 21.5 16.8 25.2

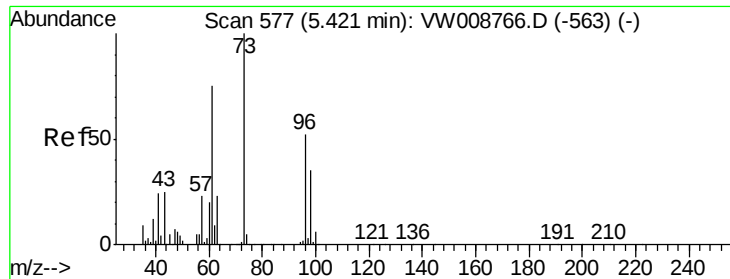


#20

Methylene Chloride
 Concen: 16.693 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: VW008849.D
 Acq: 27 Feb 2019 12:46

Tgt Ion: 84 Resp: 67060
 Ion Ratio Lower Upper
 84 100
 49 130.3 108.2 162.2
 51 44.8 32.7 49.1
 86 66.4 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 19.391 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

Instrument :
MSVOA_W
ClientSampleId :

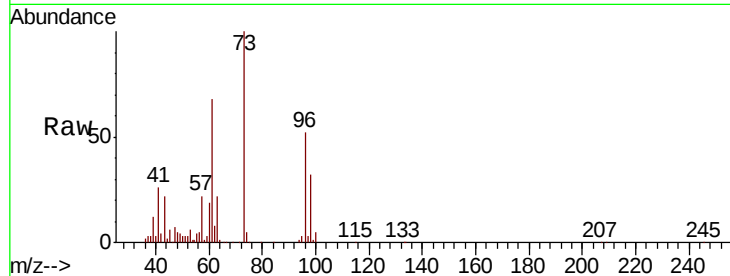
Tot Ion: 96 Resp: 61195

Ion Ratio Lower Upper

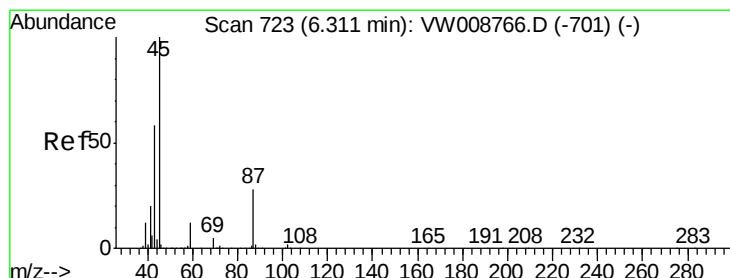
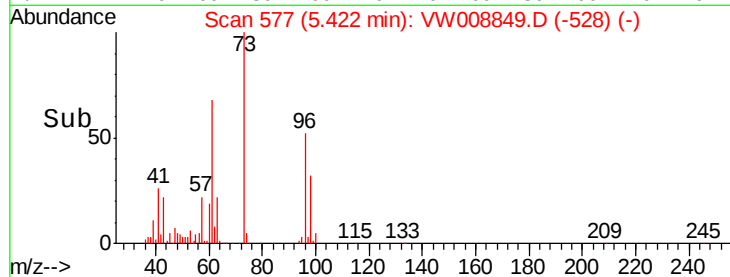
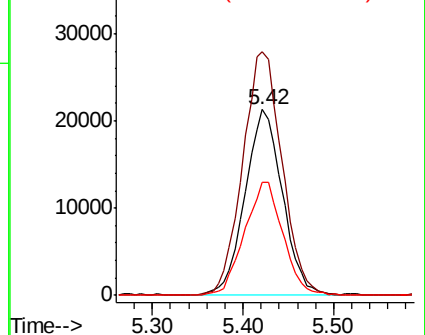
96 100

61 130.8 114.6 171.8

98 60.8 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: 20.003 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

Tgt Ion: 45 Resp: 187880

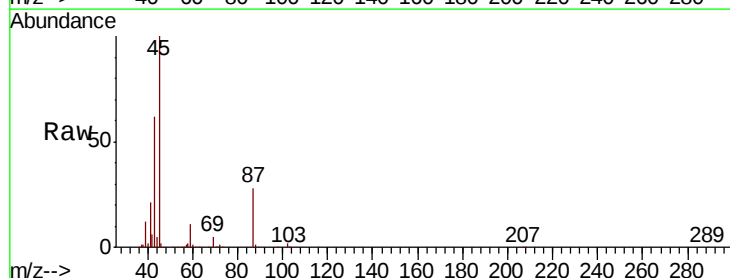
Ion Ratio Lower Upper

45 100

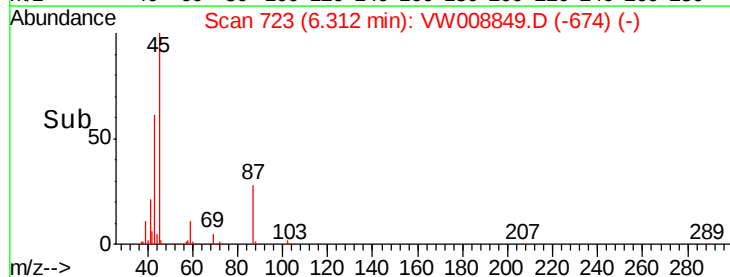
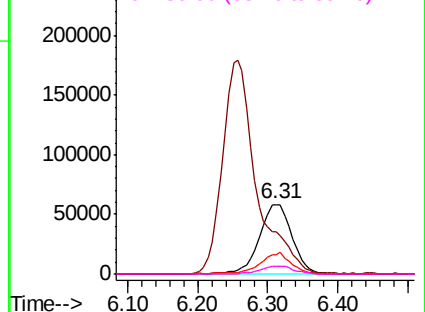
43 61.4 46.1 69.1

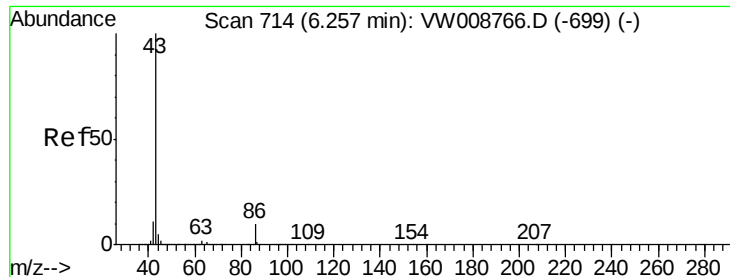
87 27.7 22.2 33.4

59 11.3 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: 103.610 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

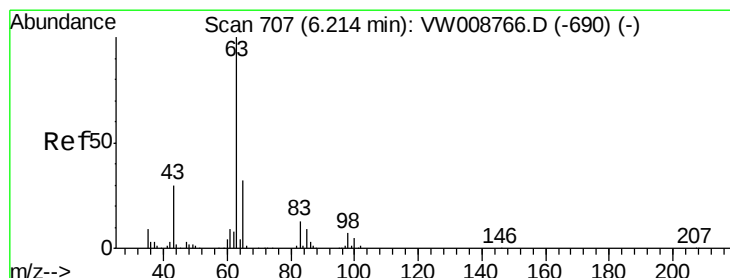
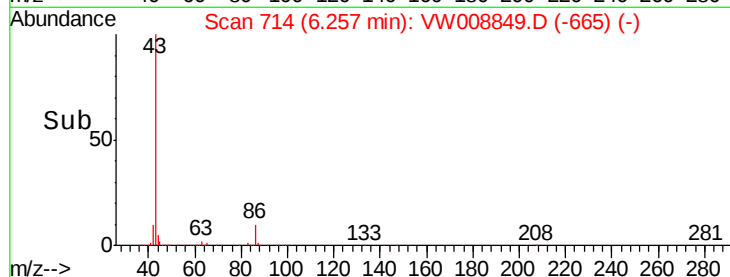
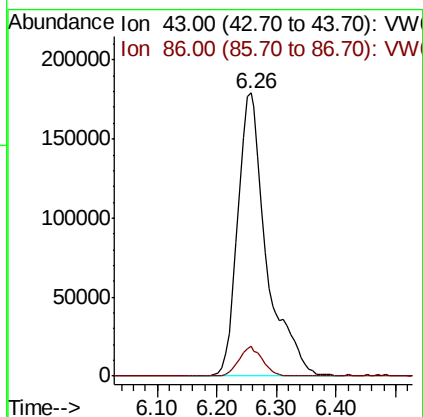
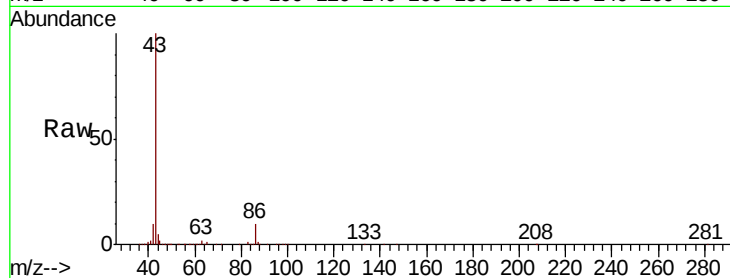
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 601291

Ion Ratio Lower Upper

43 100

86 10.4 8.1 12.1



#24

1,1-Dichloroethane

Concen: 19.947 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

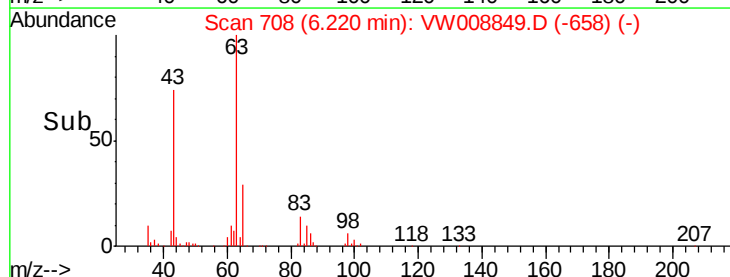
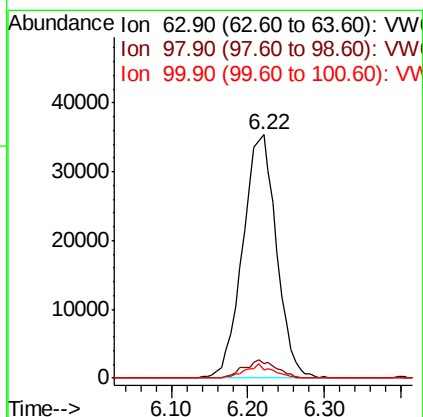
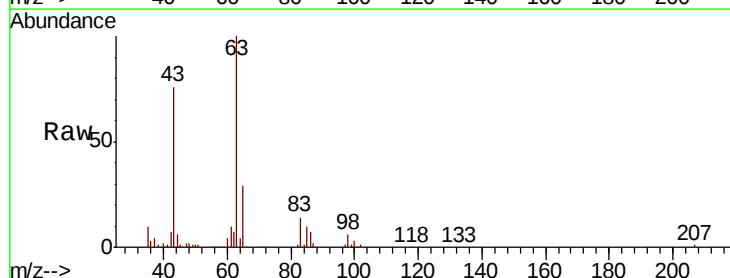
Tgt Ion: 63 Resp: 108571

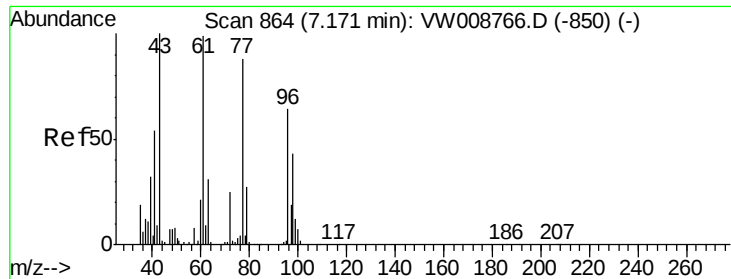
Ion Ratio Lower Upper

63 100

98 6.2 3.5 10.6

100 3.1 2.4 7.2





#25

2-Butanone

Concen: 100.093 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

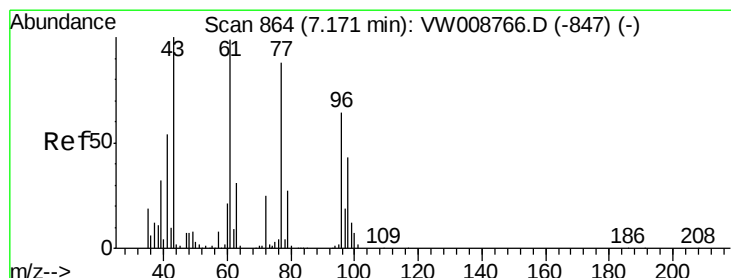
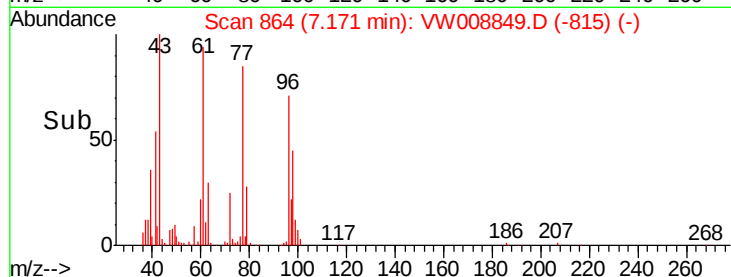
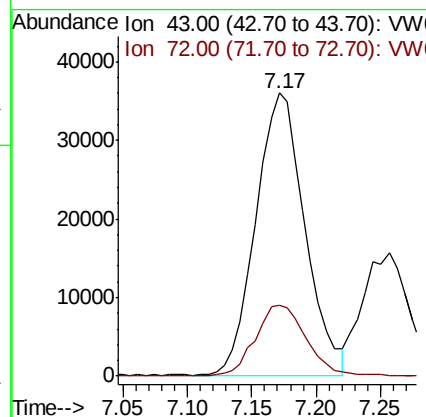
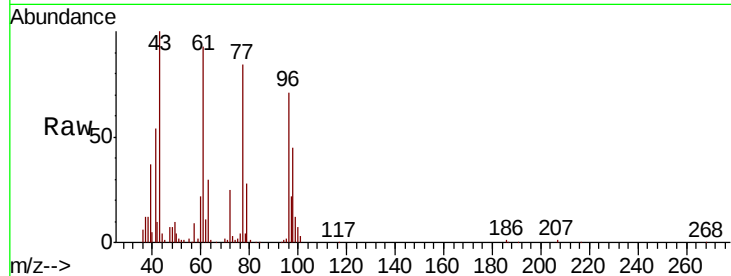
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 94793

Ion Ratio Lower Upper

43 100

72 25.3 19.7 29.5



#26

2,2-Dichloropropane

Concen: 19.620 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW008849.D

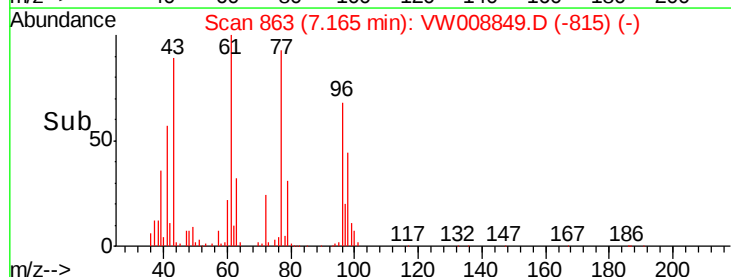
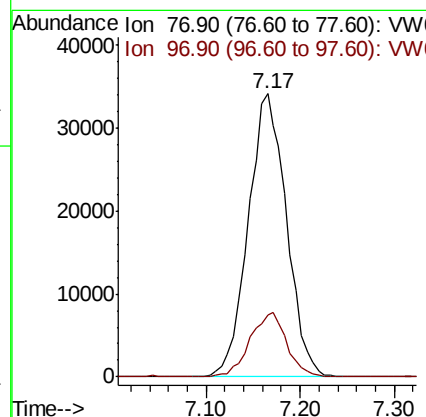
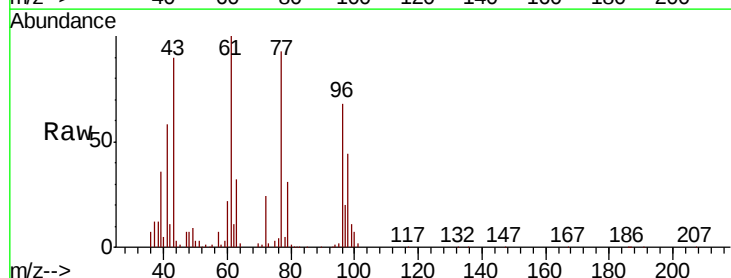
Acq: 27 Feb 2019 12:46

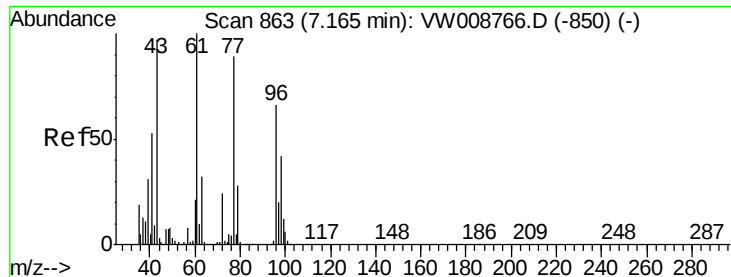
Tgt Ion: 77 Resp: 96953

Ion Ratio Lower Upper

77 100

97 22.0 11.0 33.0



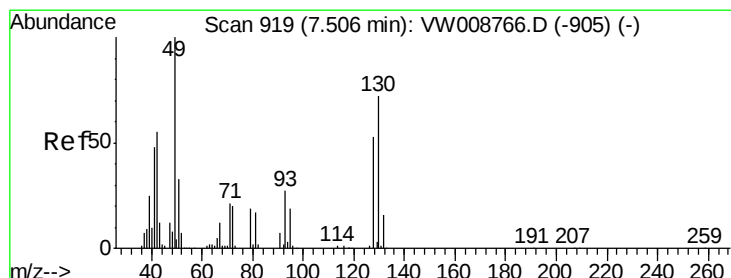
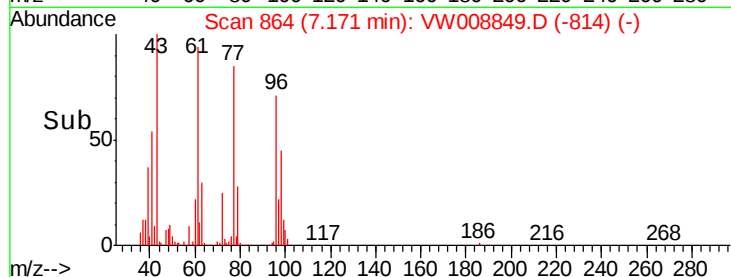
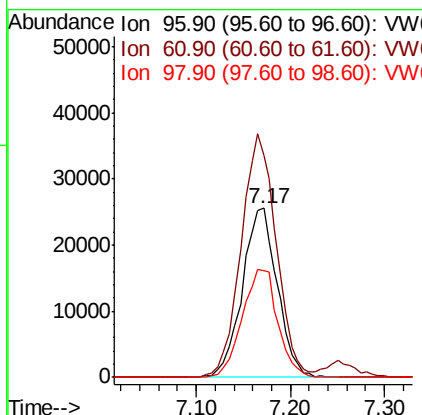
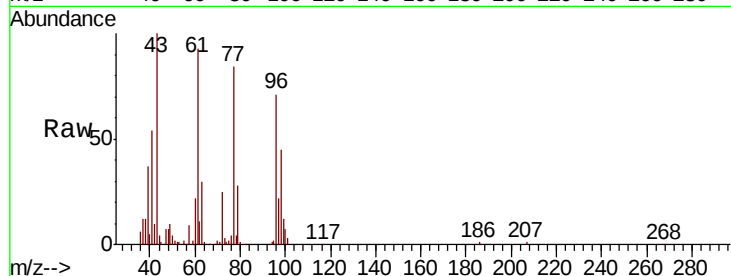


#27

cis-1,2-Dichloroethene
Concen: 19.666 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW008849.D
Acq: 27 Feb 2019 12:46

Instrument :
MSVOA_W
ClientSampleId :

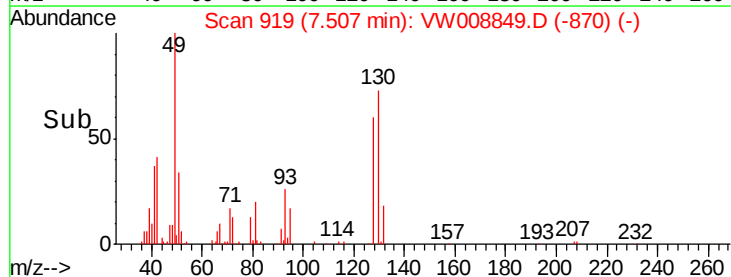
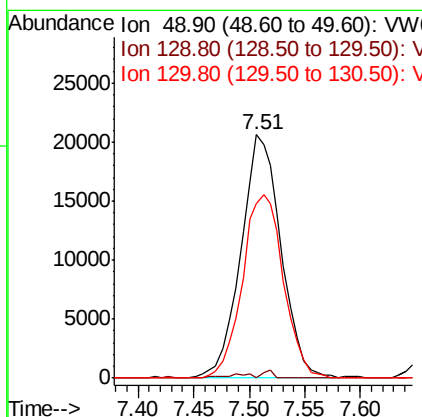
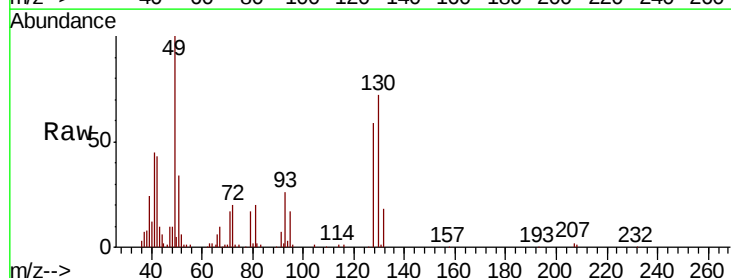
Tot Ion	Ratio	Lower	Upper
96	100		
61	144.4	0.0	302.6
98	64.9	0.0	130.0

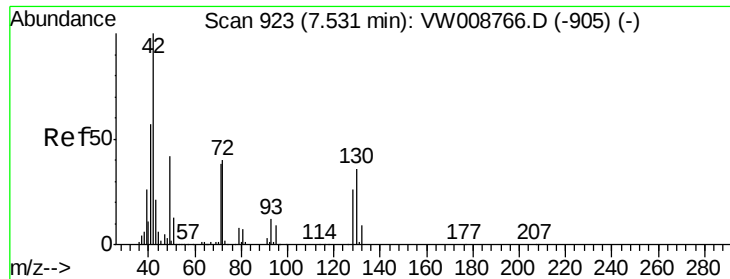


#28

Bromochloromethane
Concen: 22.614 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW008849.D
Acq: 27 Feb 2019 12:46

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	2.6
130	77.4	61.3	91.9

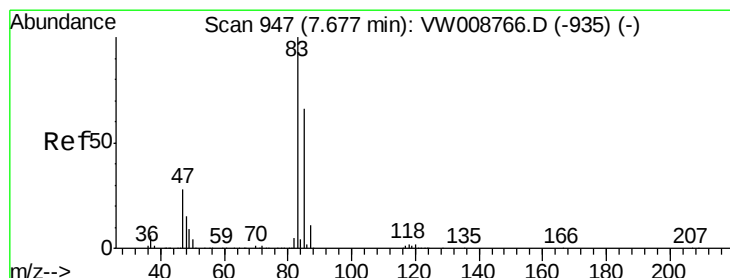
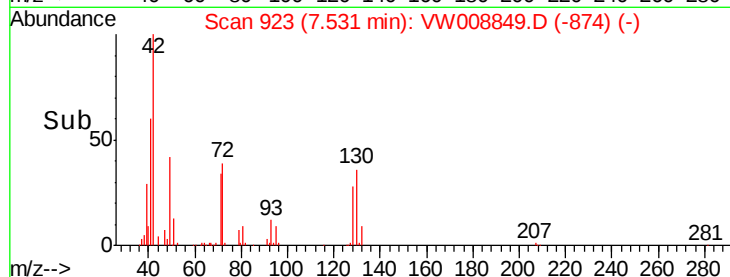
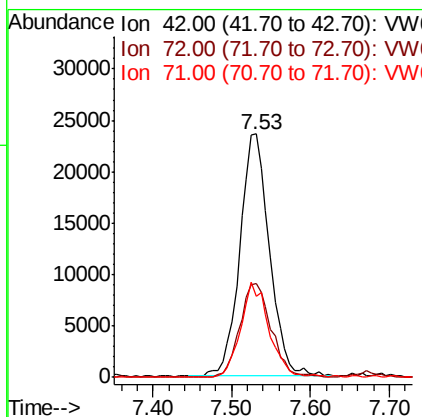
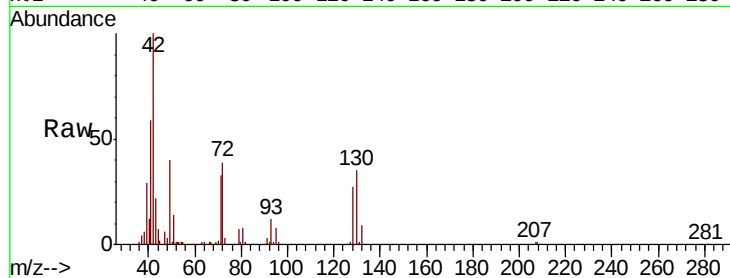




#29
Tetrahydrofuran
Concen: 102.087 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW008849.D
Acq: 27 Feb 2019 12:46

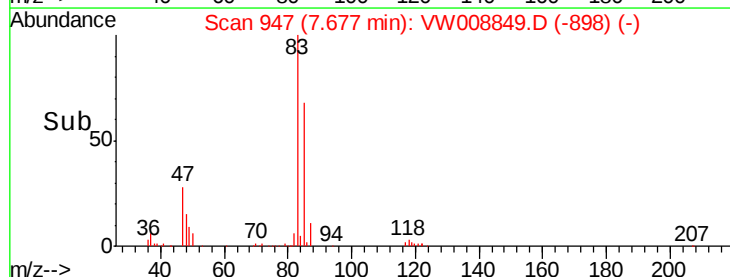
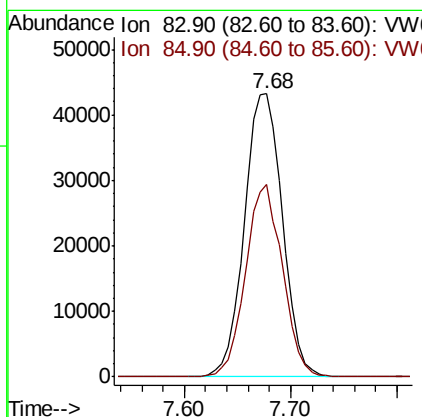
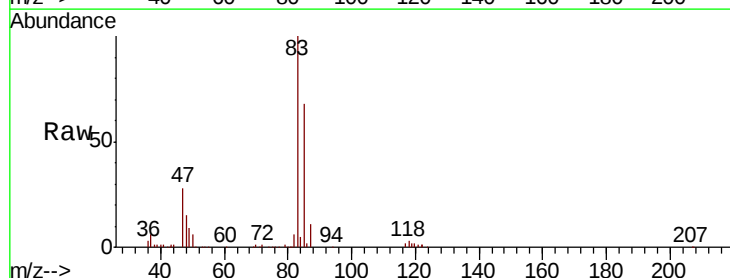
Instrument :
MSVOA_W
ClientSampleId :

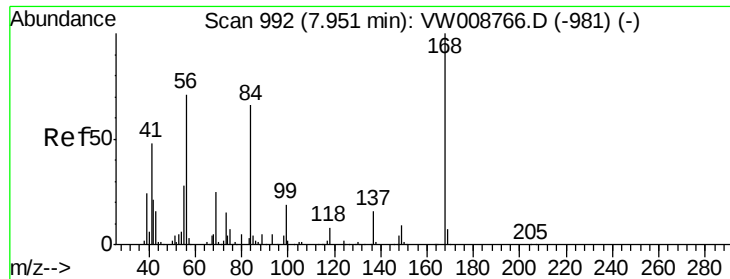
Tot Ion: 42 Resp: 61612
Ion Ratio Lower Upper
42 100
72 41.2 32.7 49.1
71 37.2 31.3 46.9



#30
Chloroform
Concen: 19.426 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW008849.D
Acq: 27 Feb 2019 12:46

Tgt Ion: 83 Resp: 108471
Ion Ratio Lower Upper
83 100
85 67.9 52.6 79.0

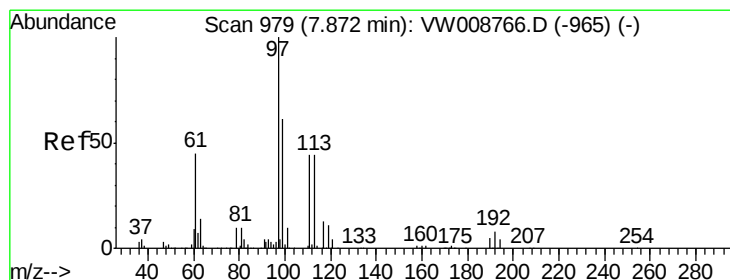
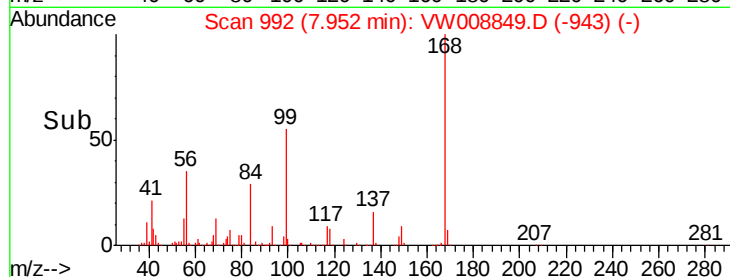
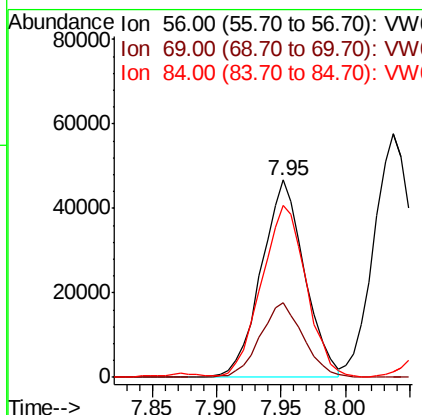
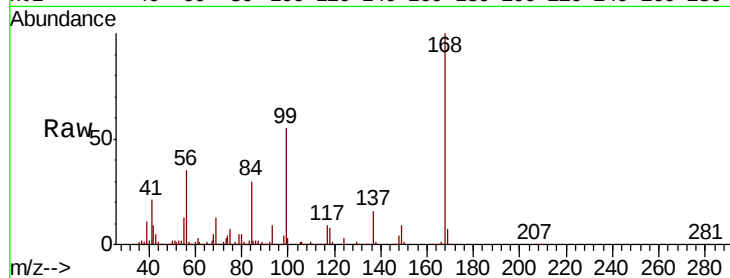




#31
Cyclohexane
Concen: 19.742 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW008849.D
Acq: 27 Feb 2019 12:46

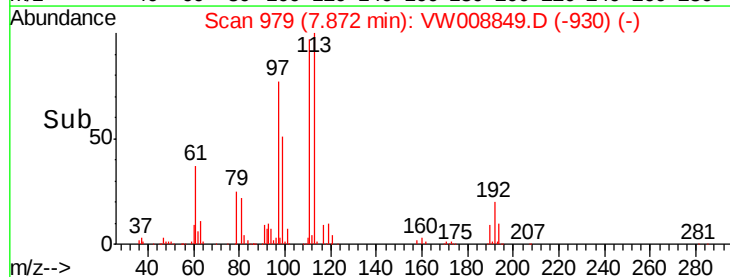
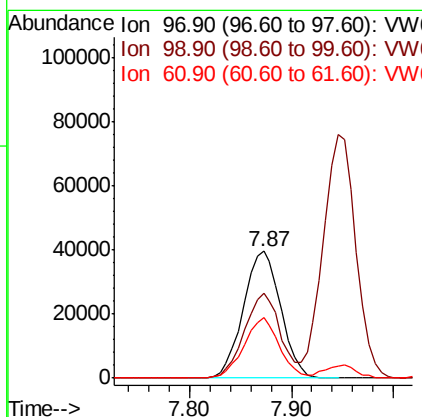
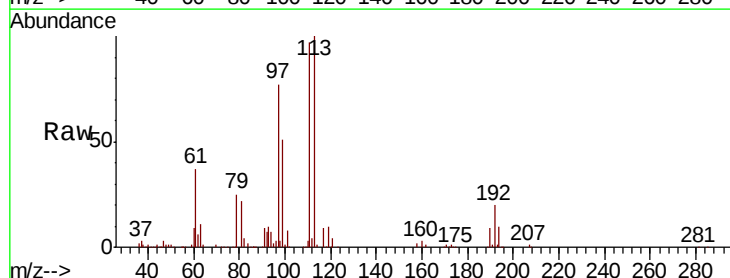
Instrument :
MSVOA_W
ClientSampleId :

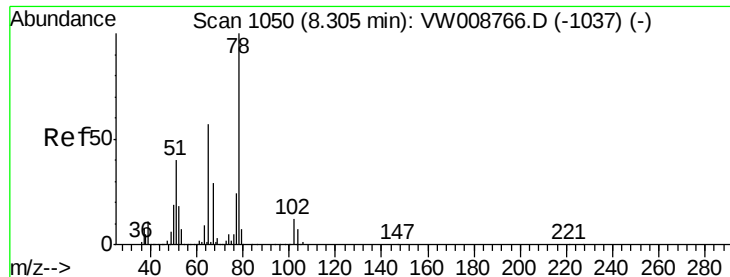
Tot Ion: 56 Resp: 108770
Ion Ratio Lower Upper
56 100
69 37.6 28.2 42.4
84 85.3 74.1 111.1



#32
1,1,1-Trichloroethane
Concen: 19.845 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW008849.D
Acq: 27 Feb 2019 12:46

Tgt Ion: 97 Resp: 100773
Ion Ratio Lower Upper
97 100
99 65.2 50.8 76.2
61 45.6 36.0 54.0





#33

1,2-Dichloroethane-d4

Concen: 56.547 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

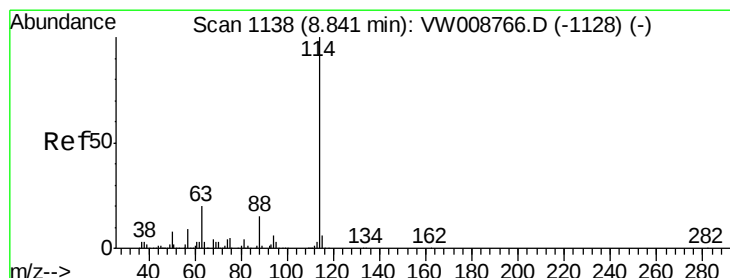
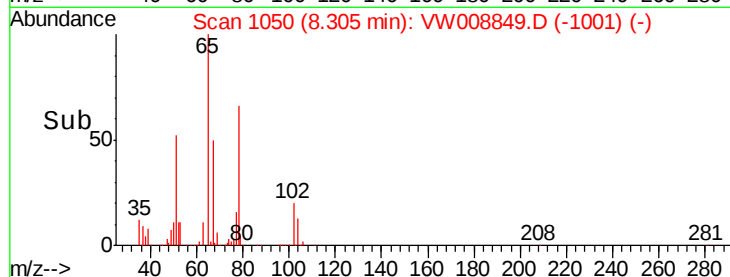
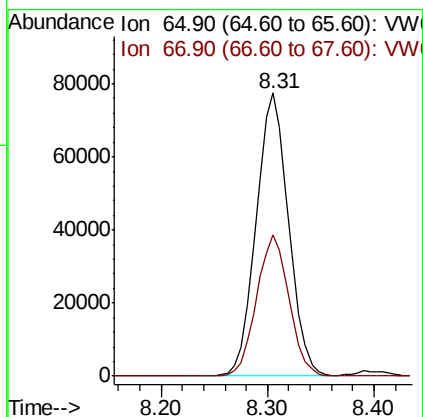
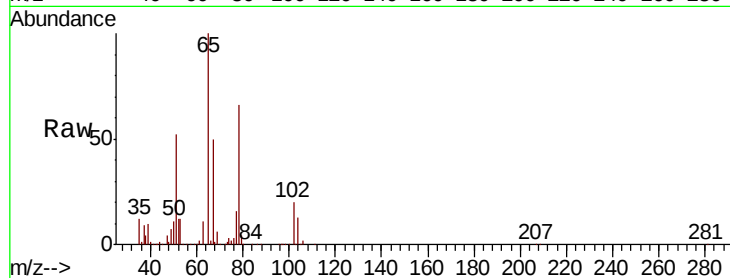
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 65 Resp: 165255

Ion Ratio Lower Upper

65 100

67 49.9 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: VW008849.D

Acq: 27 Feb 2019 12:46

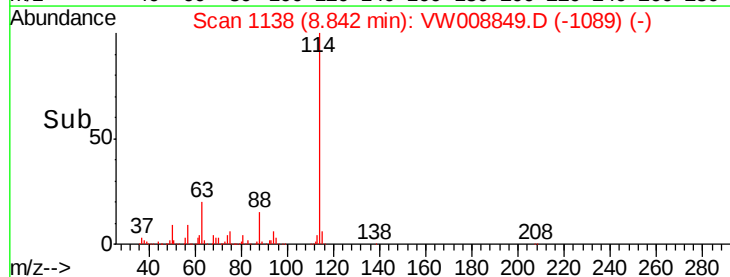
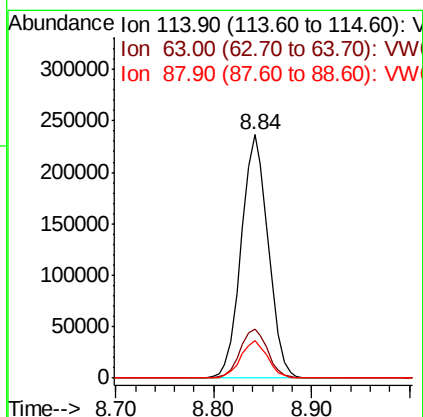
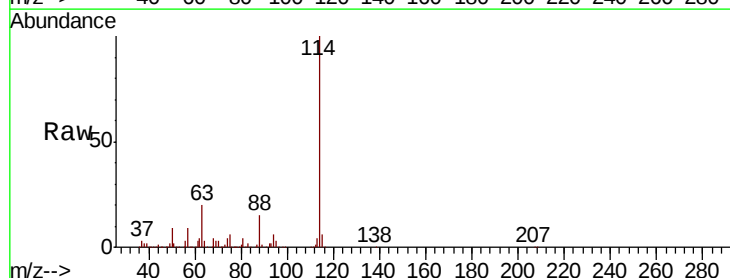
Tgt Ion: 114 Resp: 452047

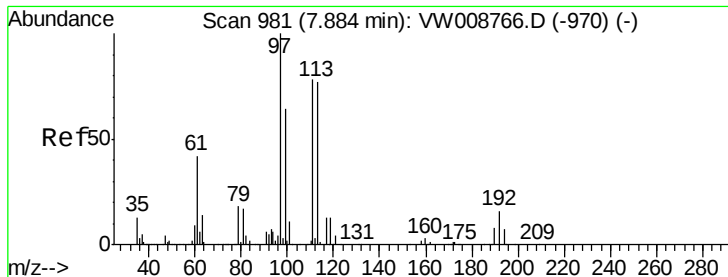
Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.8

88 15.3 0.0 30.4





#35

Dibromofluoromethane

Concen: 56.244 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

Instrument :
MSVOA_W
ClientSampleId :

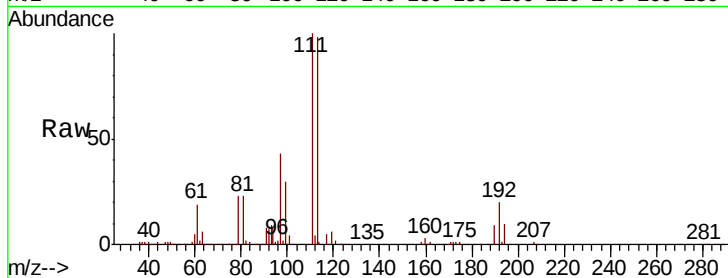
Tot Ion:113 Resp: 152653

Ion Ratio Lower Upper

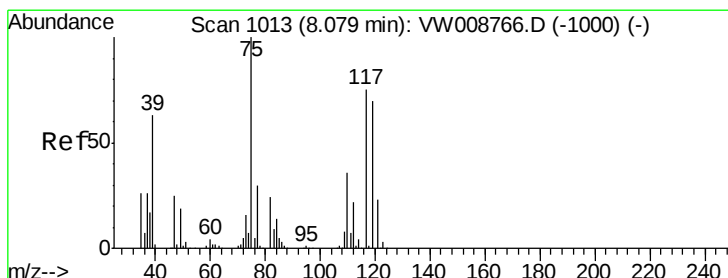
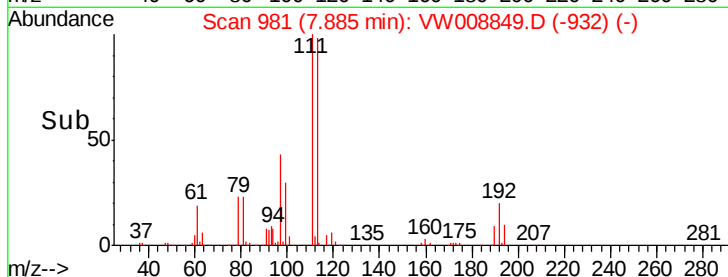
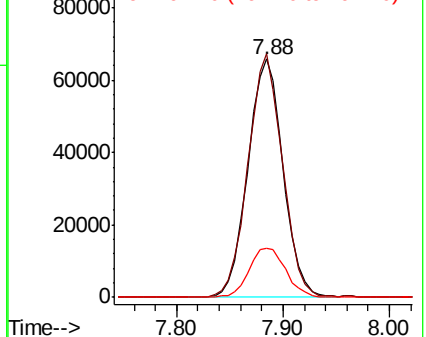
113 100

111 100.3 81.9 122.9

192 21.5 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: 20.354 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

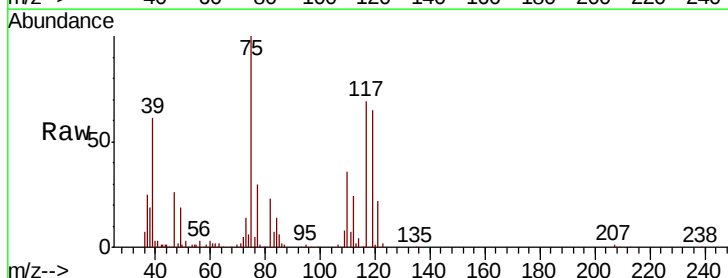
Tgt Ion: 75 Resp: 89564

Ion Ratio Lower Upper

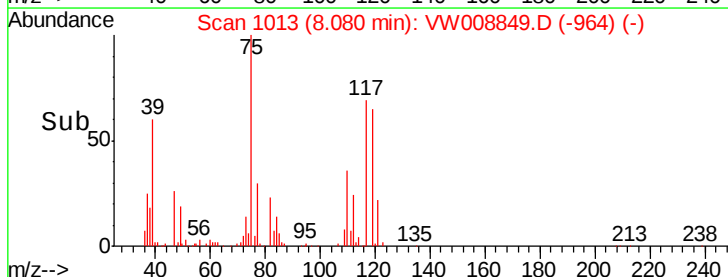
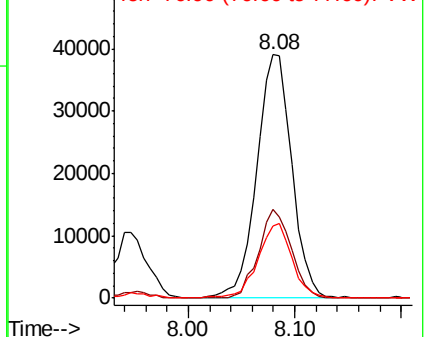
75 100

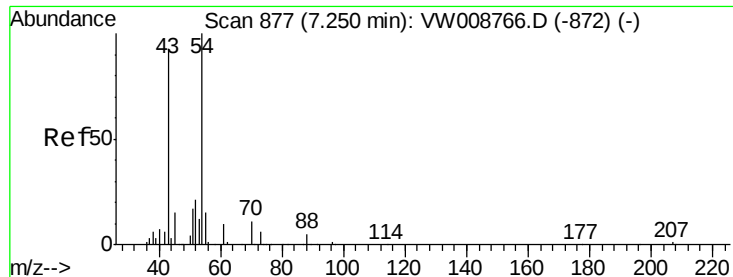
110 34.3 17.5 52.6

77 29.8 24.5 36.7



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VW

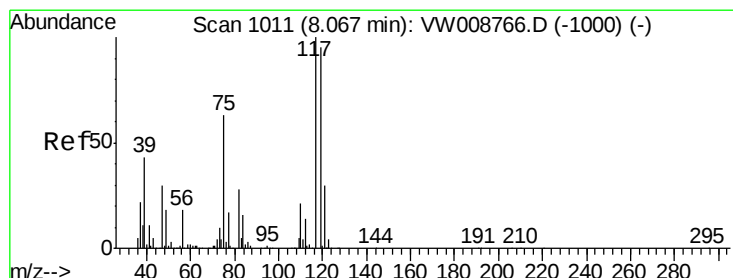
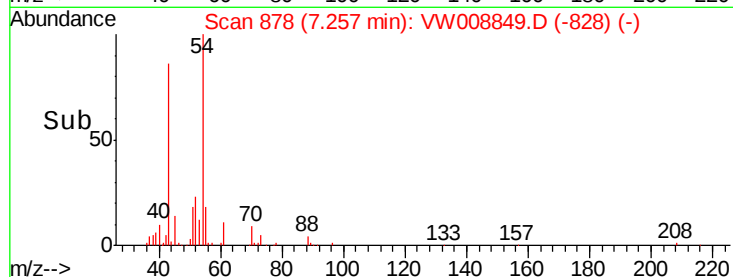
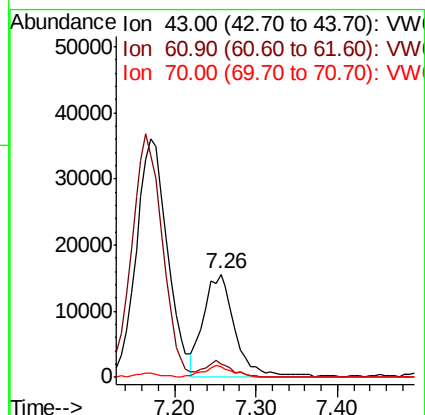
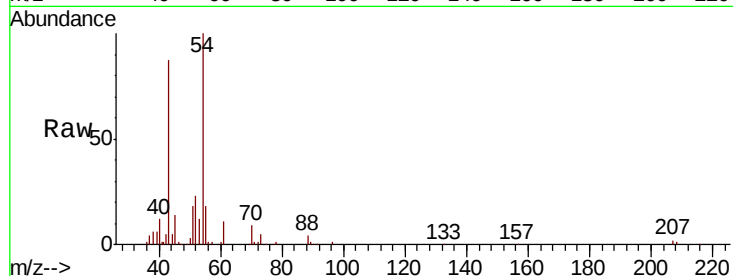




#37
Ethyl Acetate
Concen: 20.281 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW008849.D
Acq: 27 Feb 2019 12:46

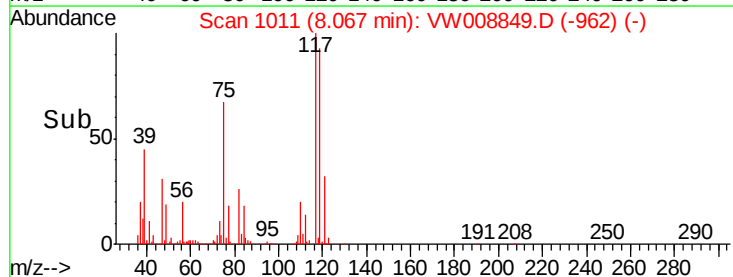
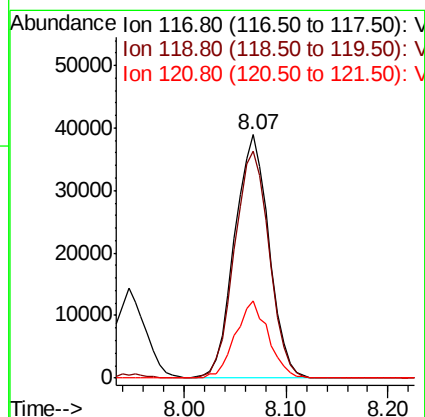
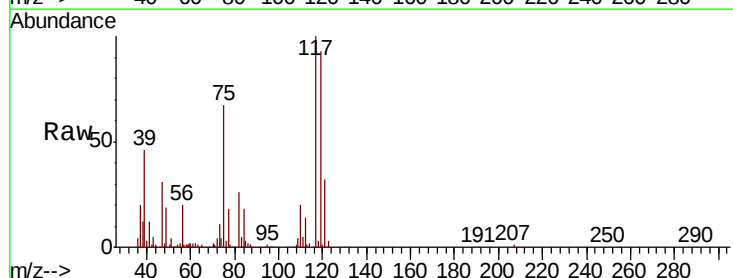
Instrument :
MSVOA_W
ClientSampled :

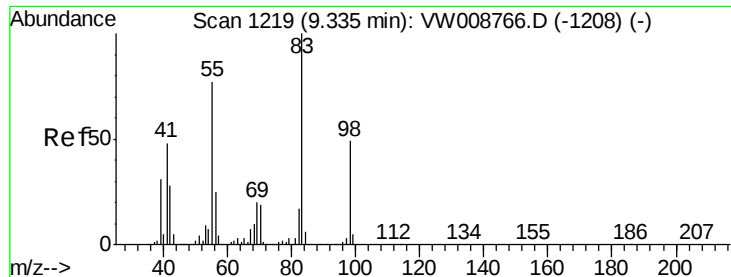
Tot Ion: 43 Resp: 41500
Ion Ratio Lower Upper
43 100
61 12.6 9.8 14.8
70 10.9 8.4 12.6



#38
Carbon Tetrachloride
Concen: 19.648 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW008849.D
Acq: 27 Feb 2019 12:46

Tgt Ion: 117 Resp: 91181
Ion Ratio Lower Upper
117 100
119 93.5 76.1 114.1
121 31.7 24.0 36.0

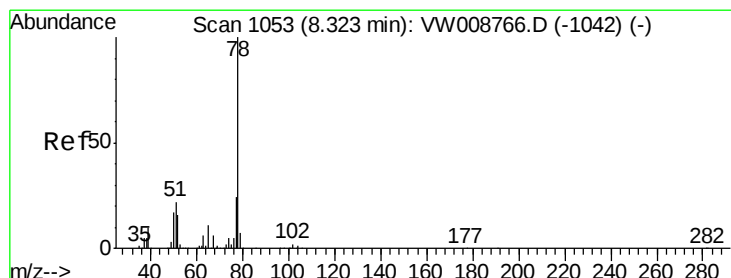
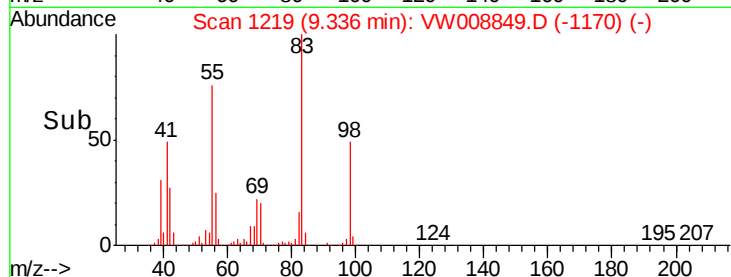
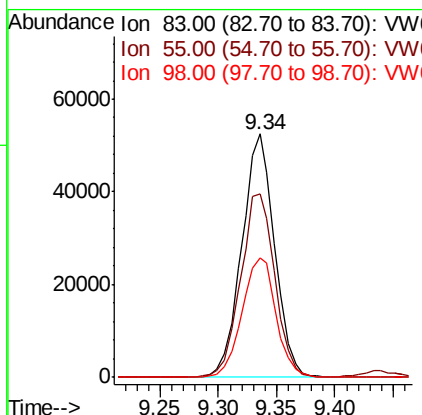
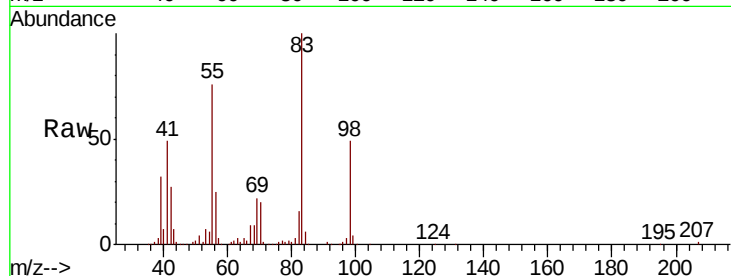




#39
Methvlcvclohexane
Concen: 18.705 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008849.D
Acq: 27 Feb 2019 12:46

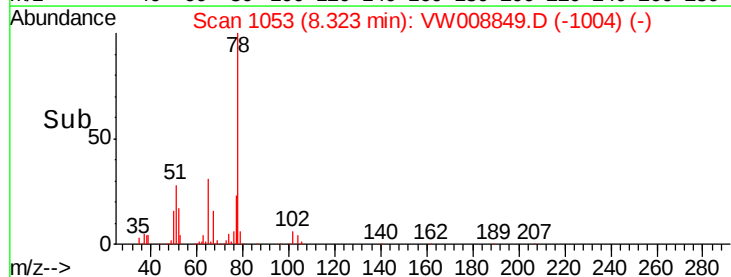
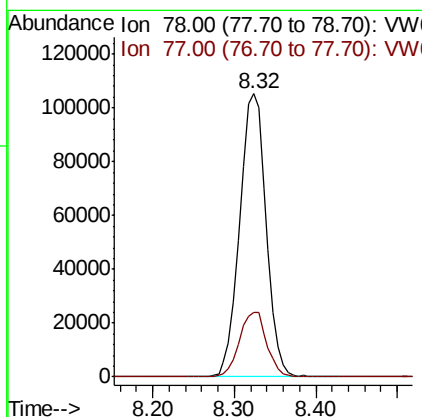
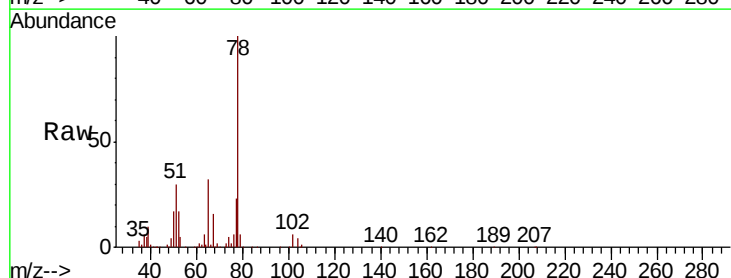
Instrument :
MSVOA_W
ClientSampled :

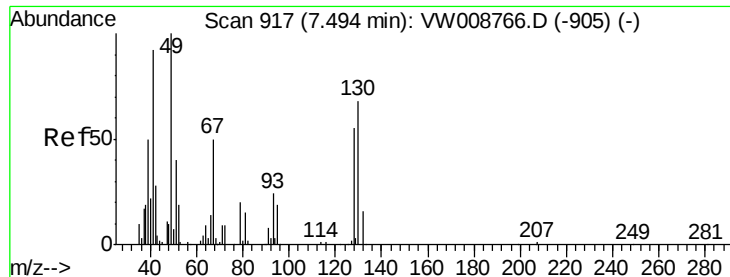
Tot Ion: 83 Resp: 102665
Ion Ratio Lower Upper
83 100
55 75.4 61.2 91.8
98 48.9 39.4 59.2



#40
Benzene
Concen: 19.645 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW008849.D
Acq: 27 Feb 2019 12:46

Tgt Ion: 78 Resp: 236024
Ion Ratio Lower Upper
78 100
77 23.0 19.3 28.9

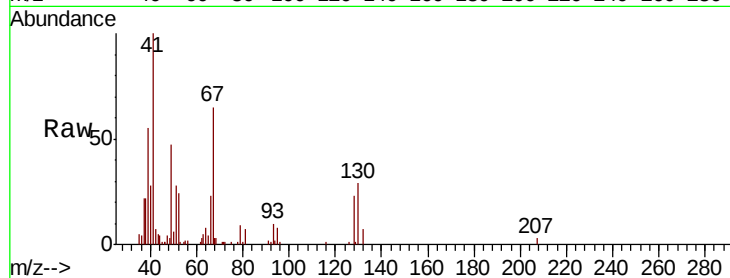




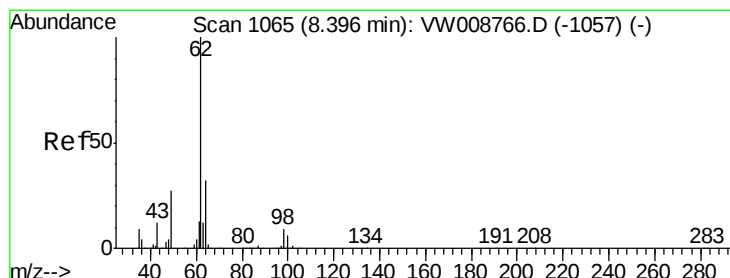
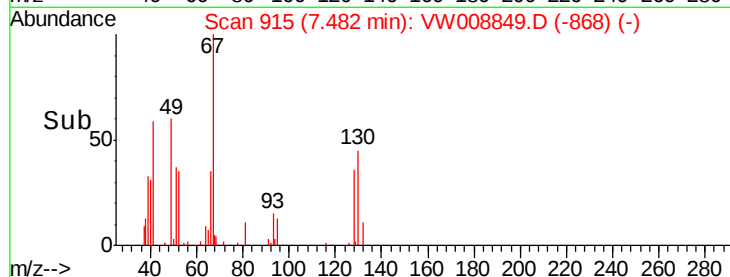
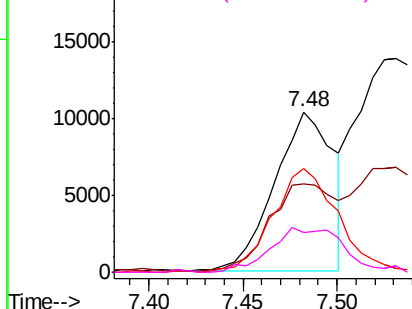
#41
Methacrylonitrile
Concen: 18.675 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.01 min
Lab File: VW008849.D
Acq: 27 Feb 2019 12:46

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	41	Resp:	22463
Ion	Ratio	Lower	Upper
41	100		
39	61.1	52.5	78.7
67	73.4	55.0	82.6
52	34.8	26.9	40.3

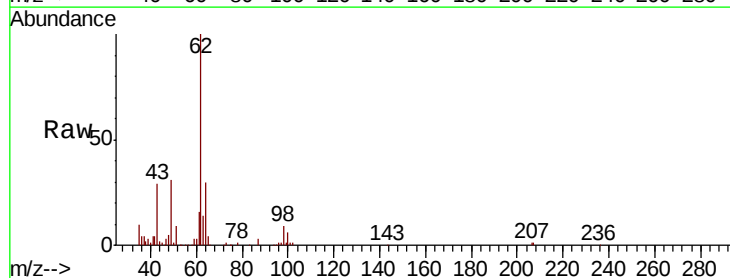


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

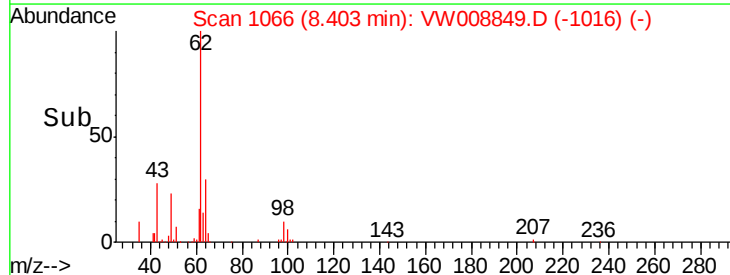
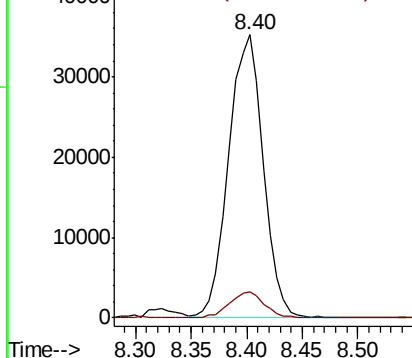


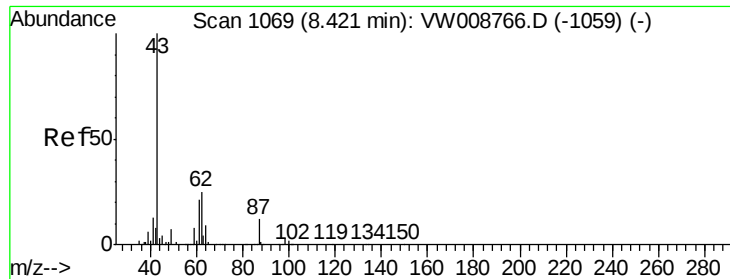
#42
1,2-Dichloroethane
Concen: 19.993 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW008849.D
Acq: 27 Feb 2019 12:46

Tgt Ion:	62	Resp:	76091
Ion	Ratio	Lower	Upper
62	100		
98	9.4	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: 19.811 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

Instrument :

MSVOA_W

ClientSampleId :

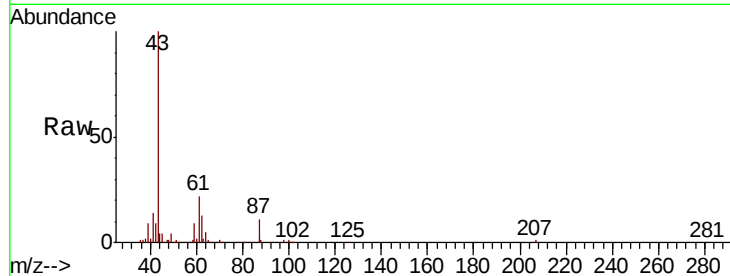
Tot Ion: 43 Resp: 80907

Ion Ratio Lower Upper

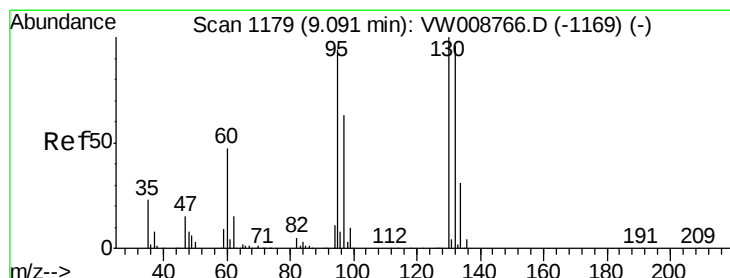
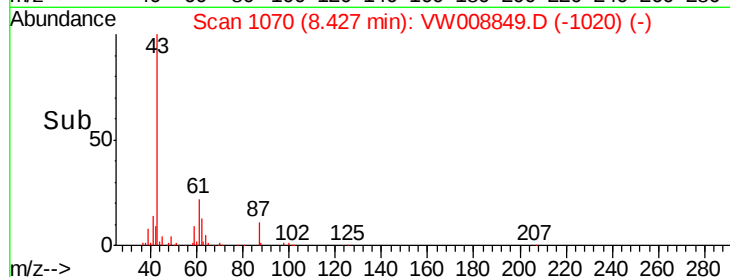
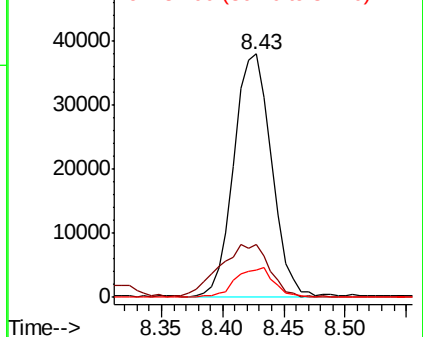
43 100

61 29.5 23.2 34.8

87 12.6 9.9 14.9



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



#44

Trichloroethene

Concen: 19.658 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW008849.D

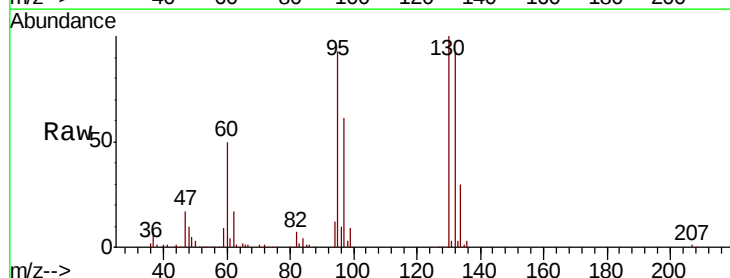
Acq: 27 Feb 2019 12:46

Tgt Ion: 130 Resp: 66534

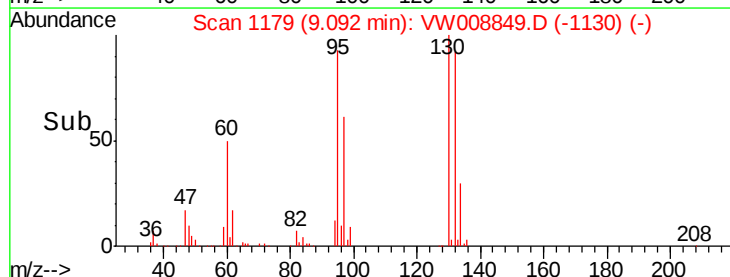
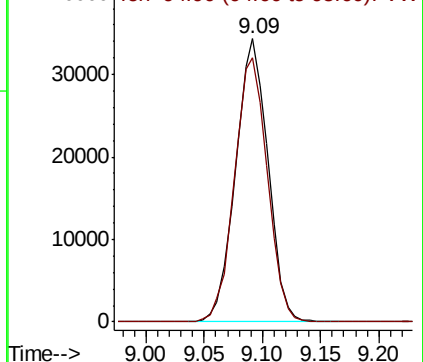
Ion Ratio Lower Upper

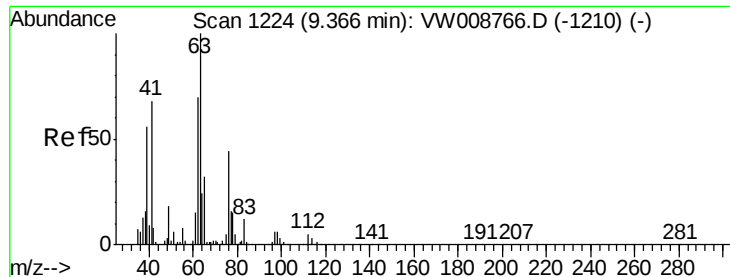
130 100

95 93.4 0.0 188.6



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





#45

1,2-Dichloropropane

Concen: 19.989 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

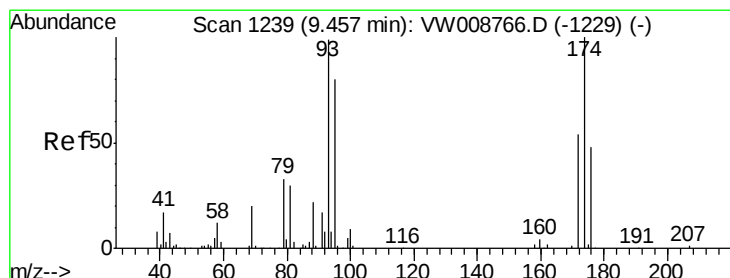
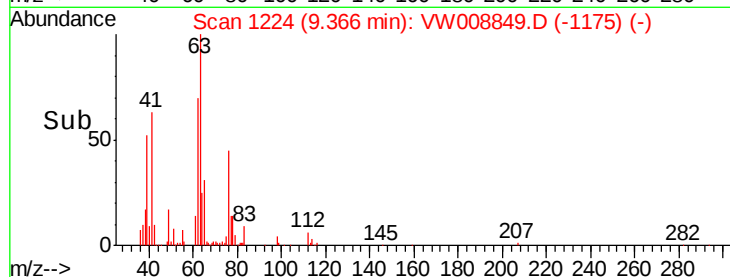
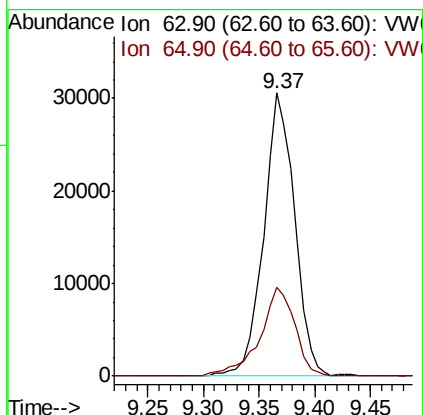
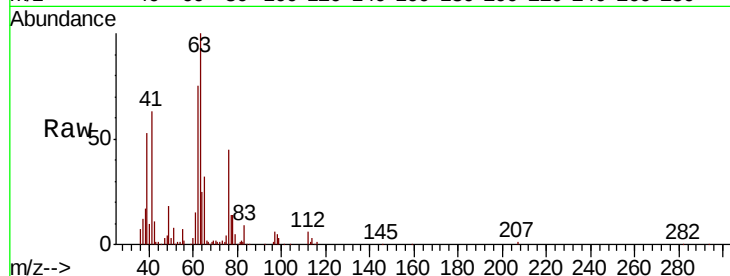
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 63 Resp: 59346

Ion Ratio Lower Upper

63 100

65 31.5 25.5 38.3



#46

Dibromomethane

Concen: 20.047 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

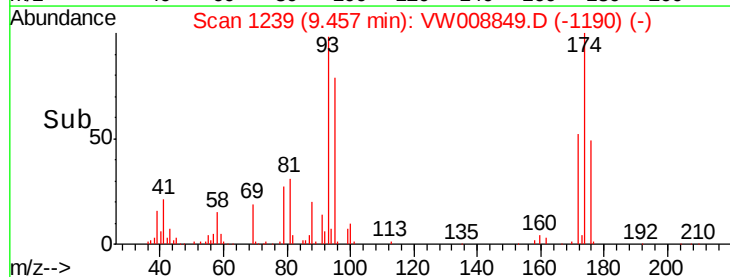
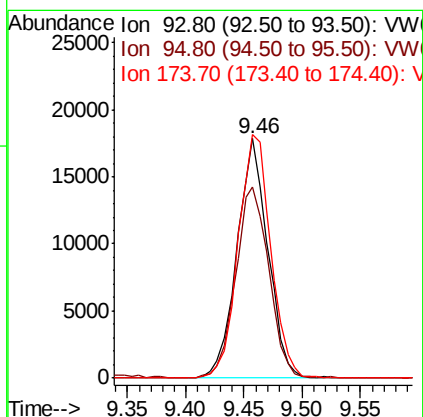
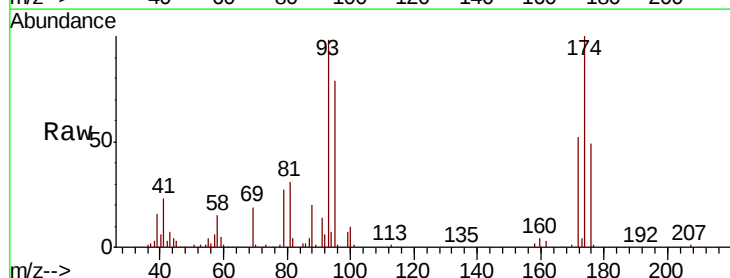
Tgt Ion: 93 Resp: 33107

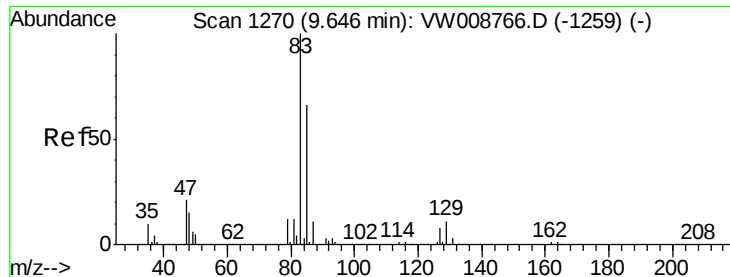
Ion Ratio Lower Upper

93 100

95 85.4 67.7 101.5

174 107.0 86.7 130.1

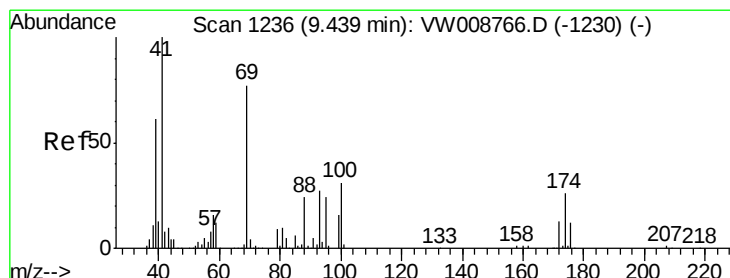
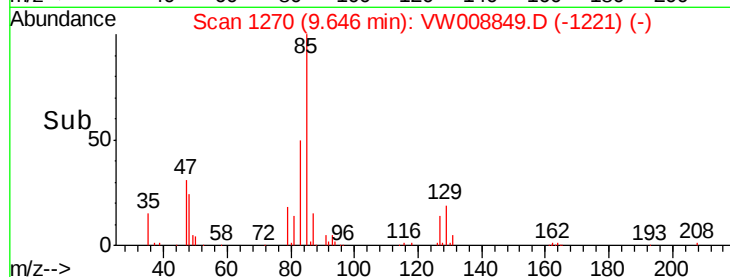
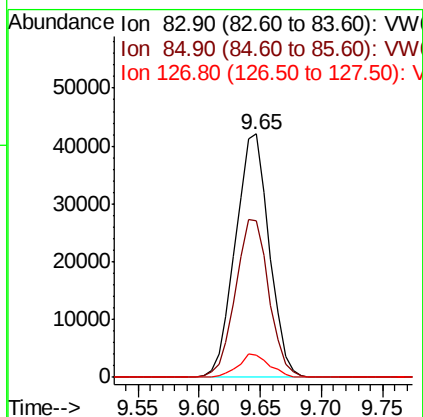
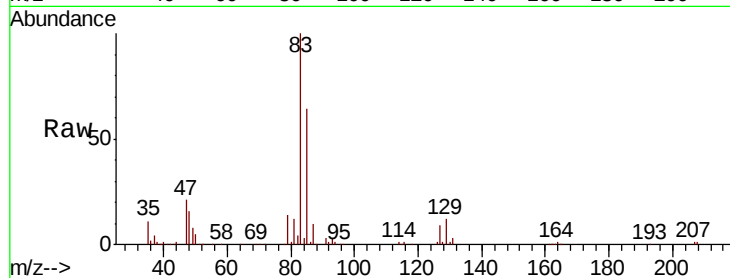




#47
Bromodichloromethane
Concen: 20.067 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW008849.D
Acq: 27 Feb 2019 12:46

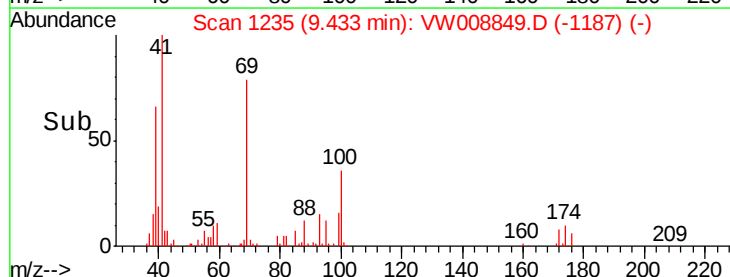
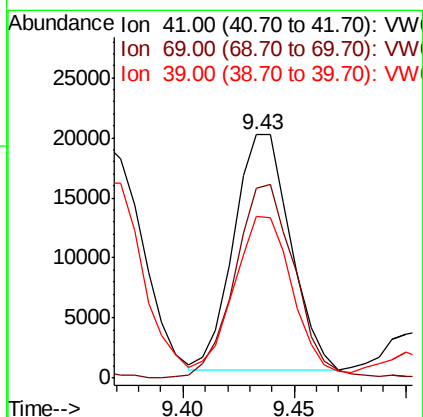
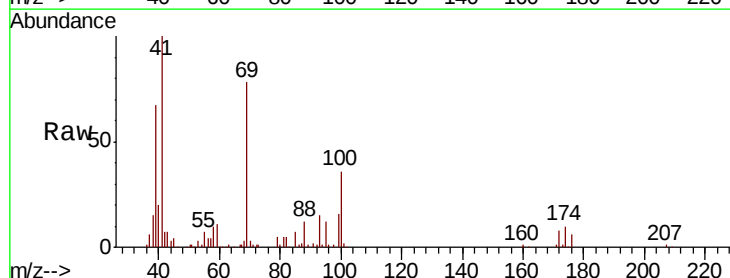
Instrument :
MSVOA_W
ClientSampled :

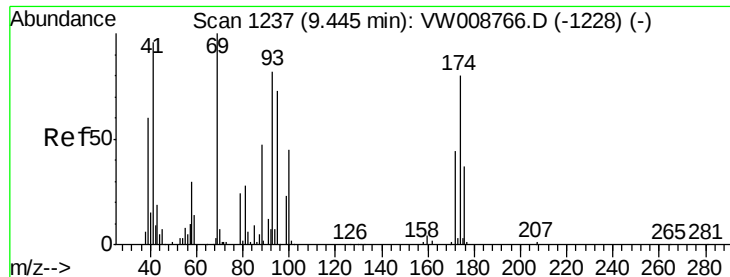
Tot Ion: 83 Resp: 80630
Ion Ratio Lower Upper
83 100
85 64.1 52.5 78.7
127 9.1 6.7 10.1



#48
Methyl methacrylate
Concen: 17.821 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.01 min
Lab File: VW008849.D
Acq: 27 Feb 2019 12:46

Tgt Ion: 41 Resp: 34857
Ion Ratio Lower Upper
41 100
69 87.4 63.6 95.4
39 67.1 52.1 78.1

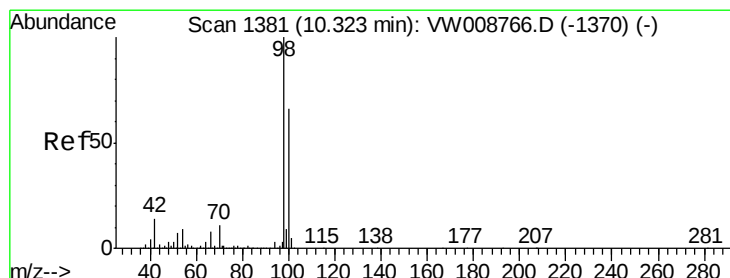
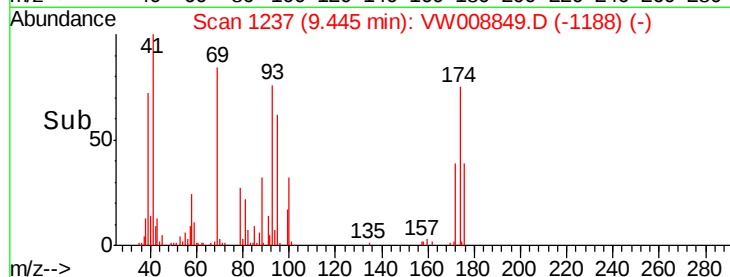
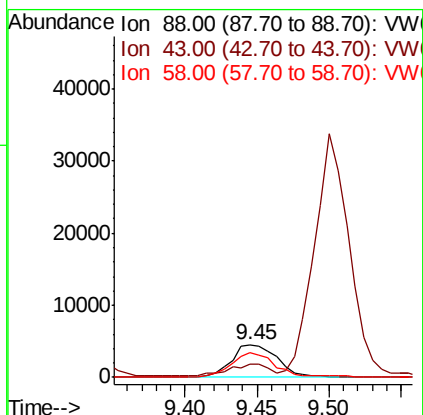
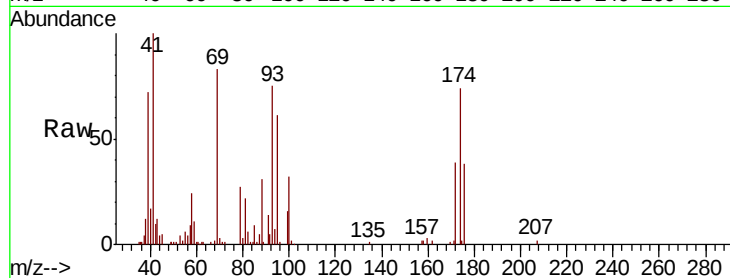




#49
1,4-Dioxane
Concen: 380.924 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW008849.D
Acq: 27 Feb 2019 12:46

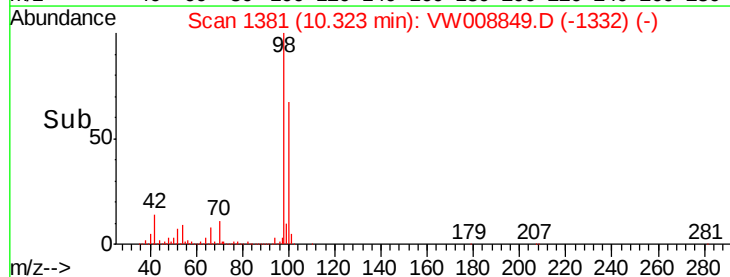
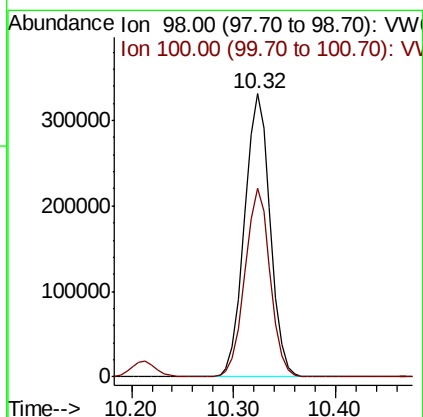
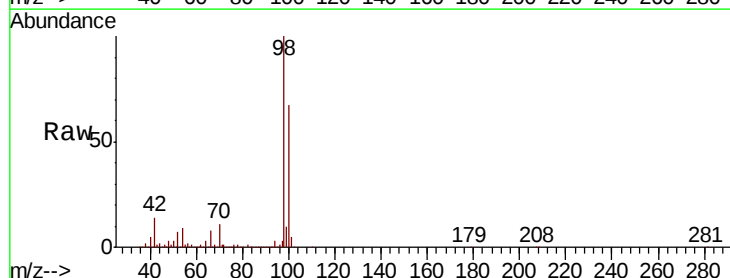
Instrument :
MSVOA_W
ClientSampleId :

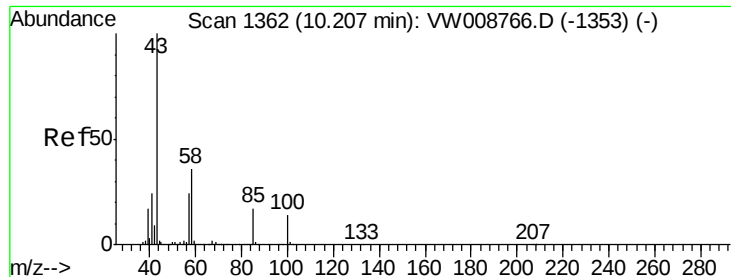
Tot Ion: 88 Resp: 10074
Ion Ratio Lower Upper
88 100
43 31.1 29.0 43.4
58 70.6 52.0 78.0



#50
Toluene-d8
Concen: 55.098 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008849.D
Acq: 27 Feb 2019 12:46

Tgt Ion: 98 Resp: 577284
Ion Ratio Lower Upper
98 100
100 65.4 52.4 78.6





#51

4-Methyl-2-Pentanone

Concen: 98.968 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

Instrument :

MSVOA_W

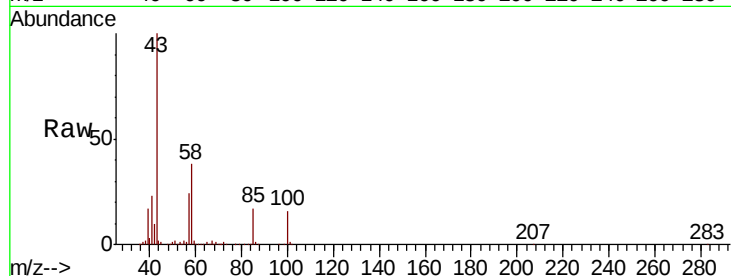
ClientSampleId :

Tot Ion: 43 Resp: 205203

Ion Ratio Lower Upper

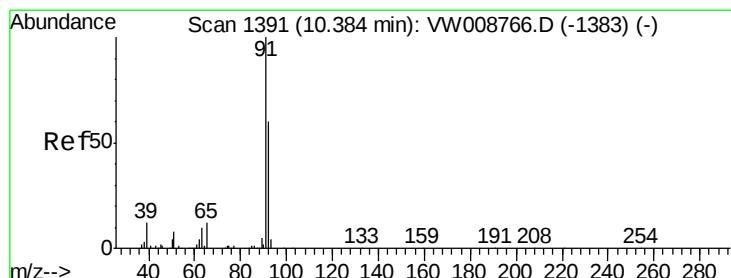
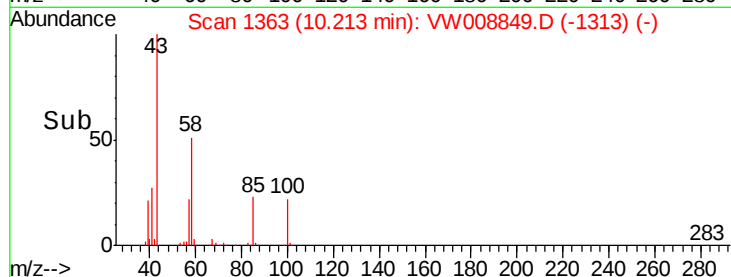
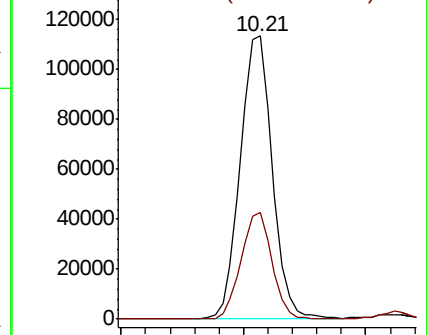
43 100

58 36.7 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: 19.088 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW008849.D

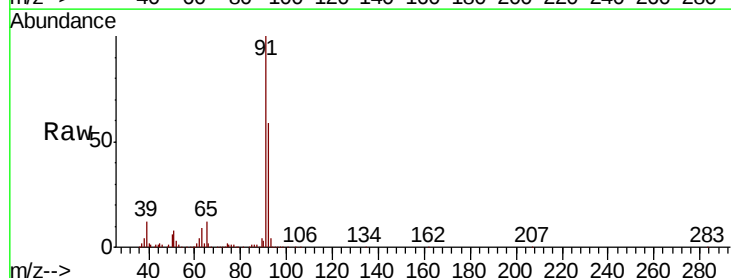
Acq: 27 Feb 2019 12:46

Tgt Ion: 92 Resp: 155642

Ion Ratio Lower Upper

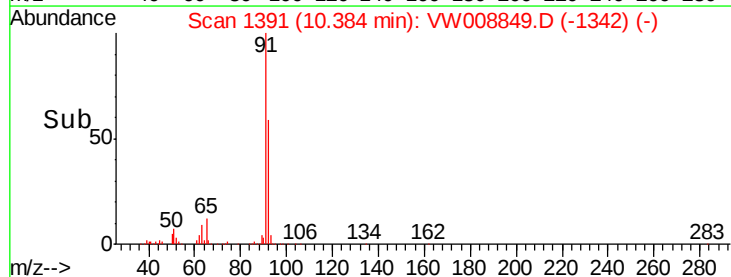
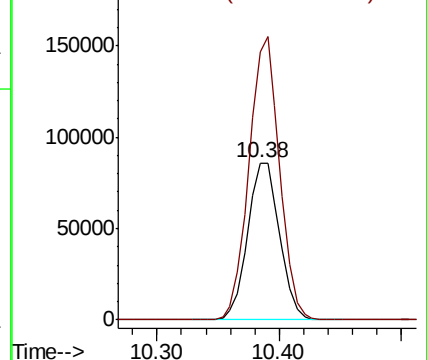
92 100

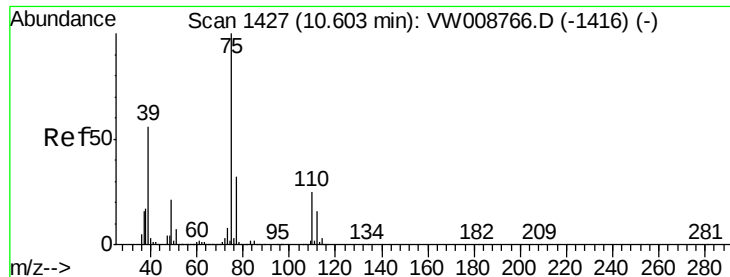
91 172.9 136.9 205.3



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: 19.784 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.01 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

Instrument :

MSVOA_W

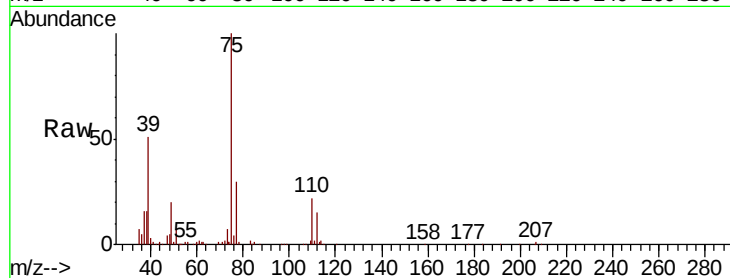
ClientSampled :

Tot Ion: 75 Resp: 81023

Ion Ratio Lower Upper

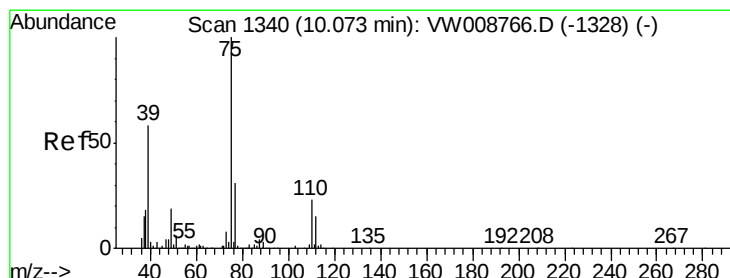
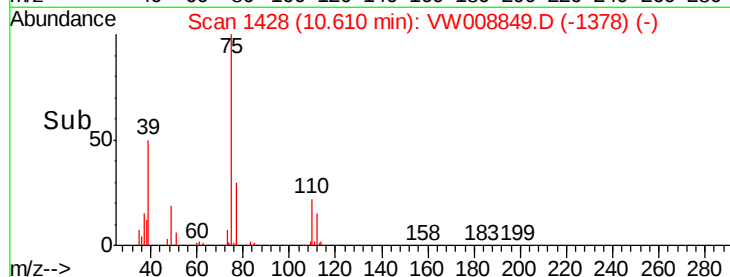
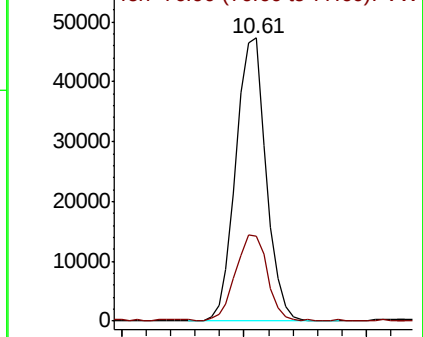
75 100

77 29.6 26.1 39.1



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 20.383 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

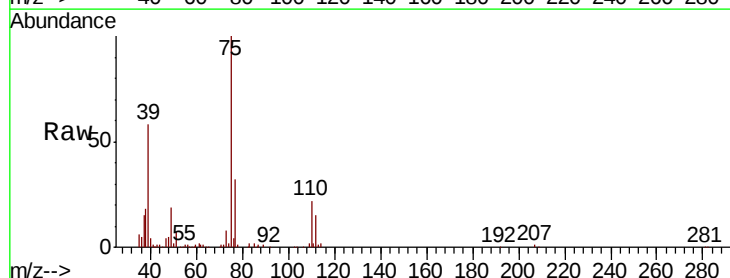
Tgt Ion: 75 Resp: 95205

Ion Ratio Lower Upper

75 100

77 32.3 25.0 37.4

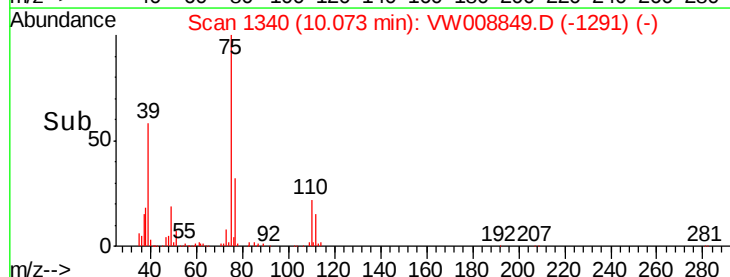
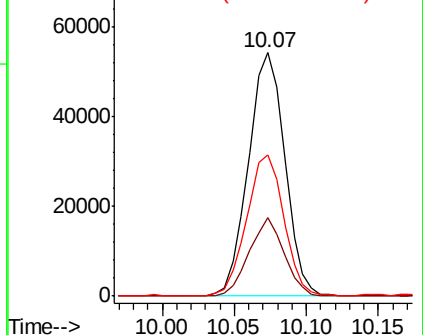
39 57.9 46.6 70.0

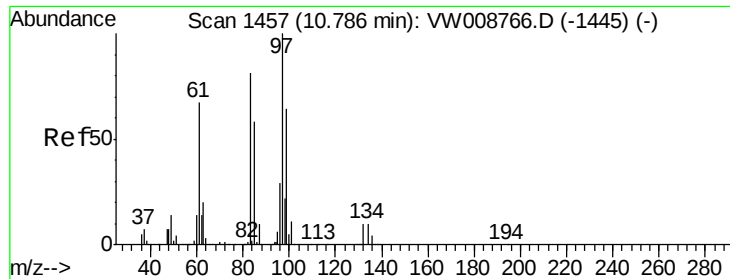


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW





#55

1,1,2-Trichloroethane

Concen: 21.228 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 47542

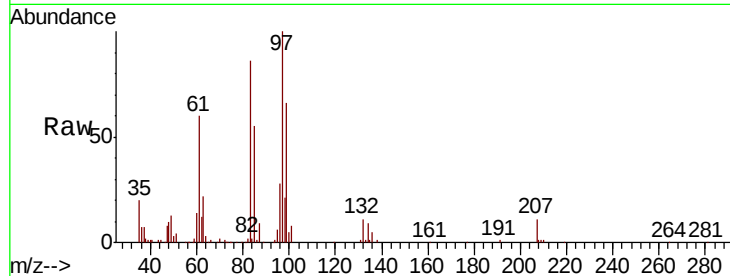
Ion	Ratio	Lower	Upper
97	100		
83	85.6	65.0	97.6
85	55.1	46.0	69.0
99	65.8	51.1	76.7

97 100

83 85.6 65.0 97.6

85 55.1 46.0 69.0

99 65.8 51.1 76.7



Abundance

Ion 96.90 (96.60 to 97.60): VW

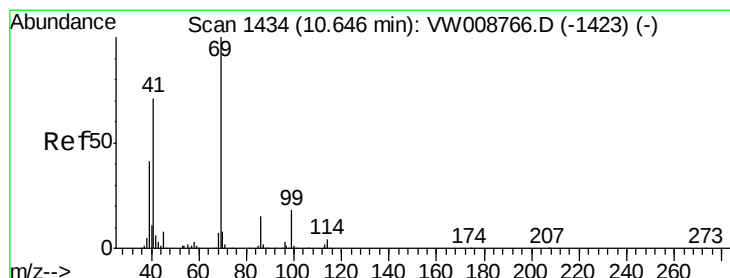
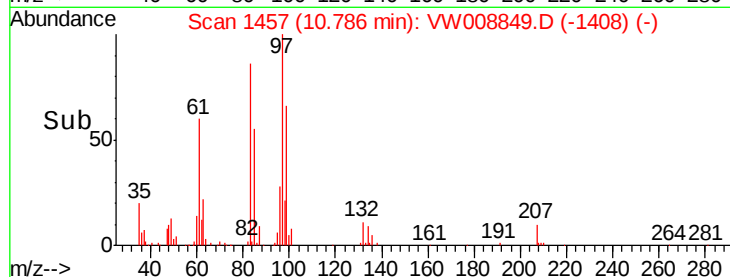
Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW

10.79

Time-->



#56

Ethyl methacrylate

Concen: 19.209 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

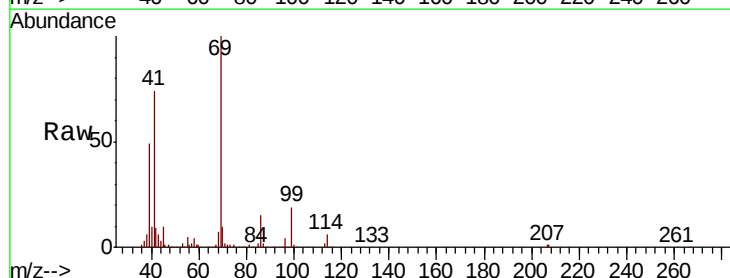
Tgt Ion: 69 Resp: 55892

Ion	Ratio	Lower	Upper
69	100		
41	73.0	57.4	86.0
39	43.1	34.8	52.2

69 100

41 73.0 57.4 86.0

39 43.1 34.8 52.2



Abundance

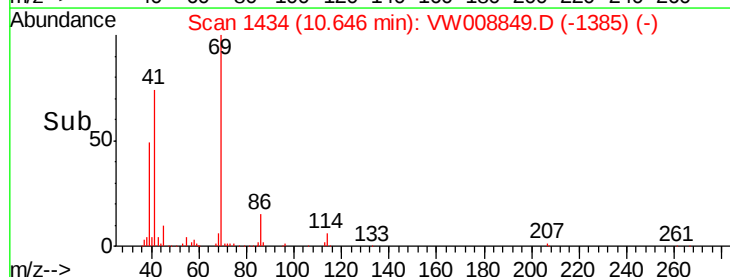
Ion 69.00 (68.70 to 69.70): VW

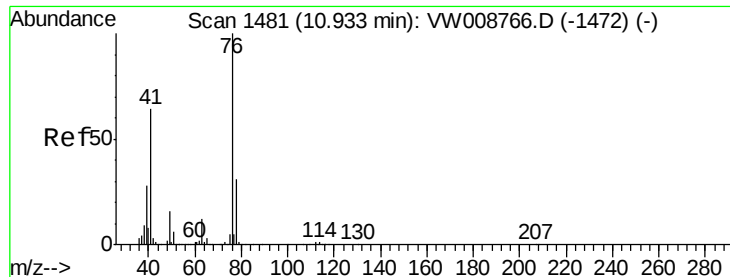
Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

10.65

Time-->

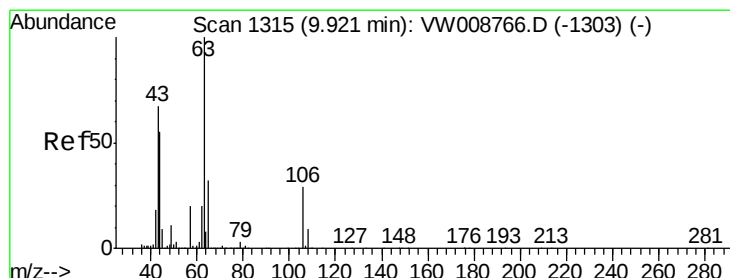
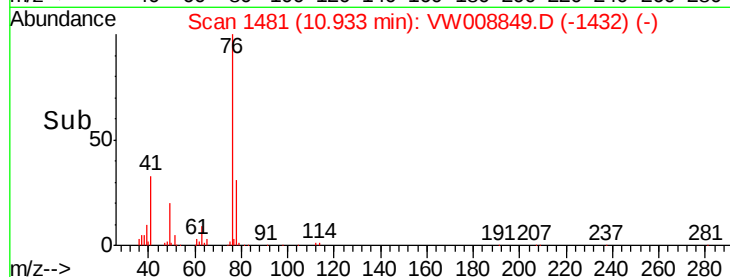
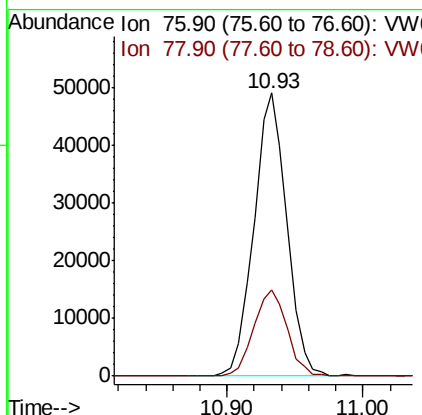
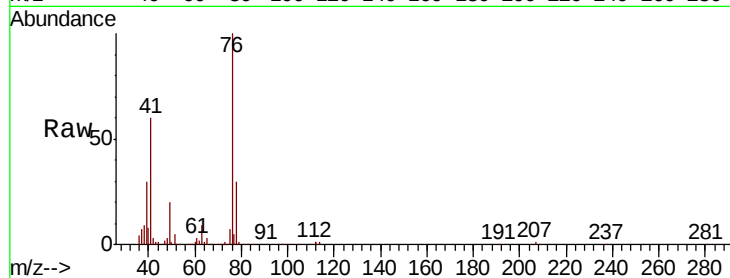




#57
 1,3-Dichloropropane
 Concen: 21.042 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008849.D
 Acq: 27 Feb 2019 12:46

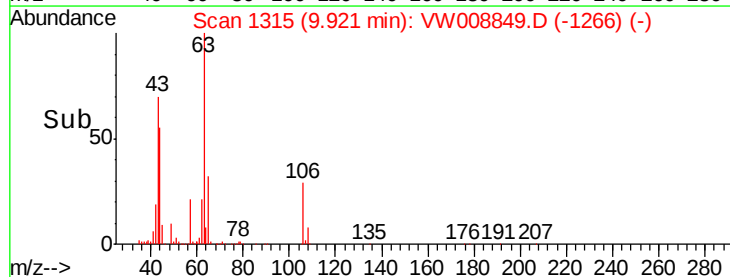
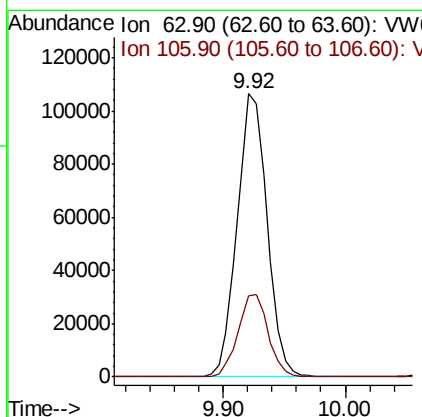
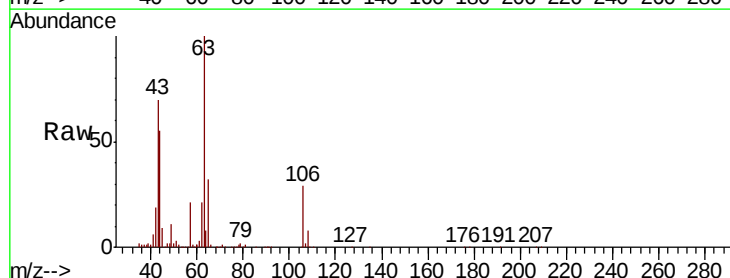
Instrument :
 MSVOA_W
 ClientSampled :

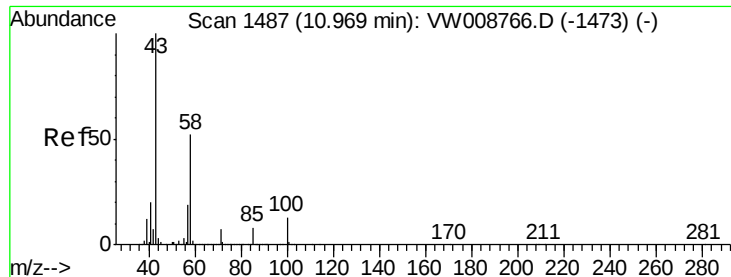
Tot Ion: 76 Resp: 83206
 Ion Ratio Lower Upper
 76 100
 78 31.0 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 123.320 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW008849.D
 Acq: 27 Feb 2019 12:46

Tgt Ion: 63 Resp: 180470
 Ion Ratio Lower Upper
 63 100
 106 29.4 24.0 36.0

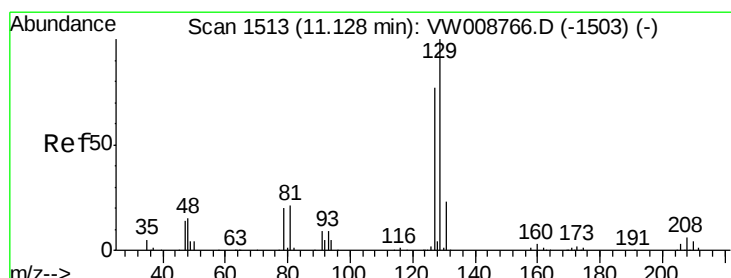
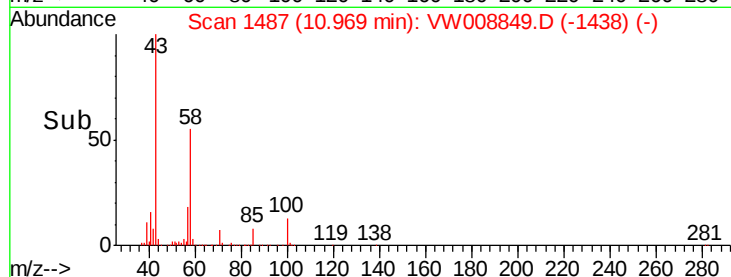
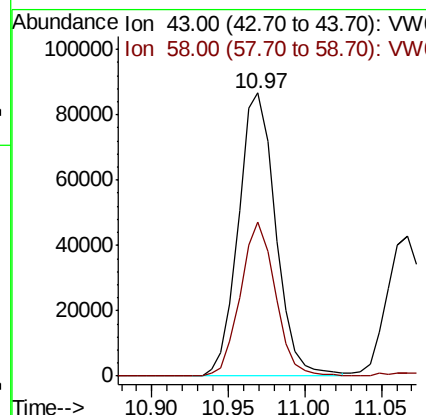
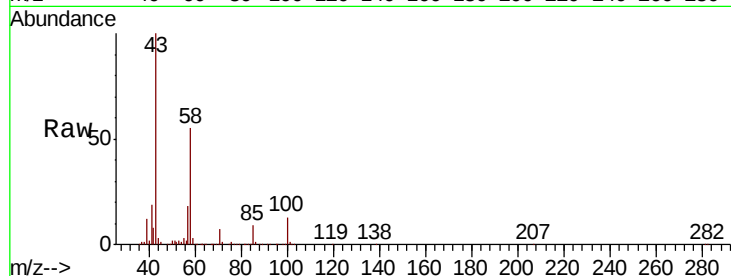




#59
2-Hexanone
Concen: 99.155 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008849.D
Acq: 27 Feb 2019 12:46

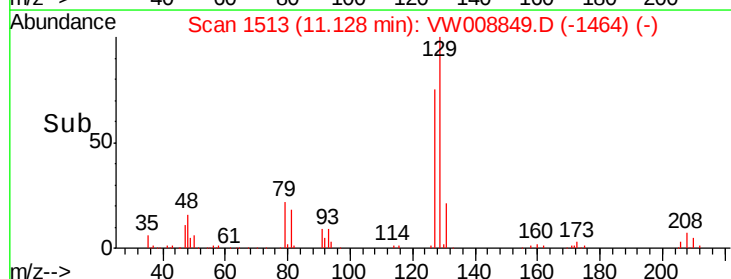
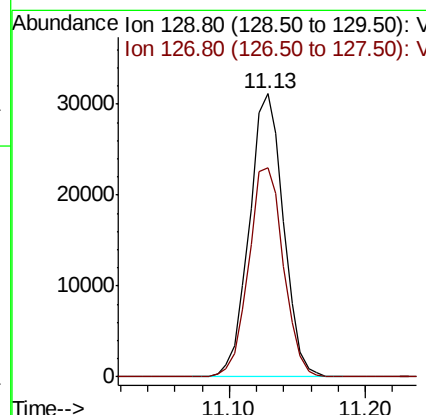
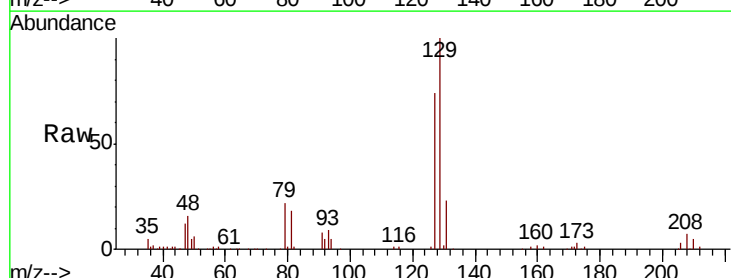
Instrument :
MSVOA_W
ClientSampled :

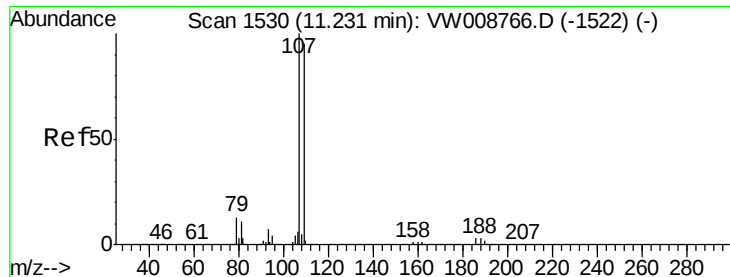
Tot Ion: 43 Resp: 146348
Ion Ratio Lower Upper
43 100
58 51.4 25.3 75.8



#60
Dibromochloromethane
Concen: 20.079 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008849.D
Acq: 27 Feb 2019 12:46

Tgt Ion: 129 Resp: 54850
Ion Ratio Lower Upper
129 100
127 75.3 39.0 116.9





#61

1,2-Dibromoethane

Concen: 19.995 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.01 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

Instrument :

MSVOA_W

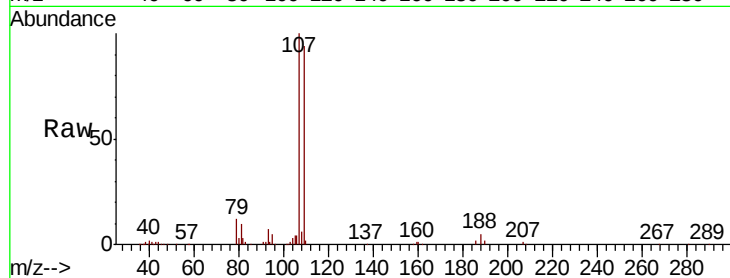
ClientSampleId :

Tot Ion:107 Resp: 44327

Ion Ratio Lower Upper

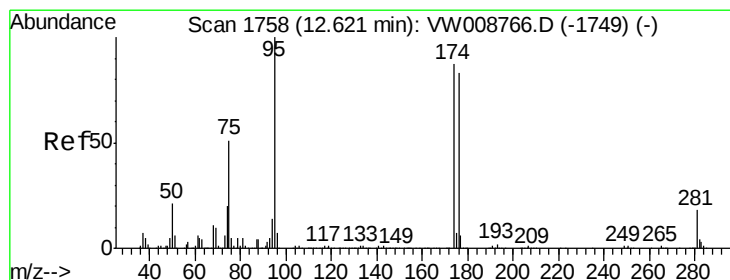
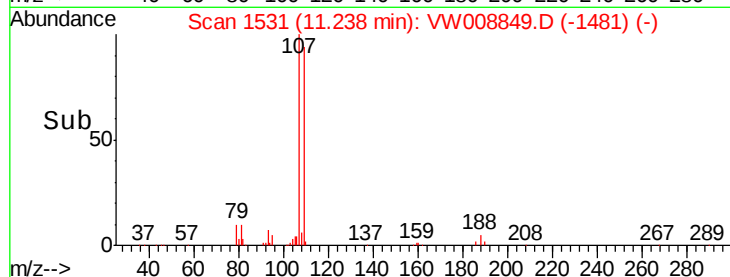
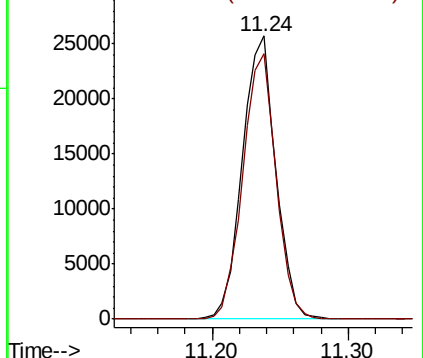
107 100

109 93.2 75.6 113.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 53.484 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

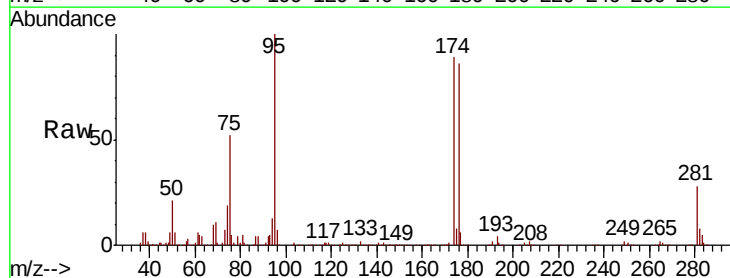
Tgt Ion: 95 Resp: 219411

Ion Ratio Lower Upper

95 100

174 86.3 0.0 169.2

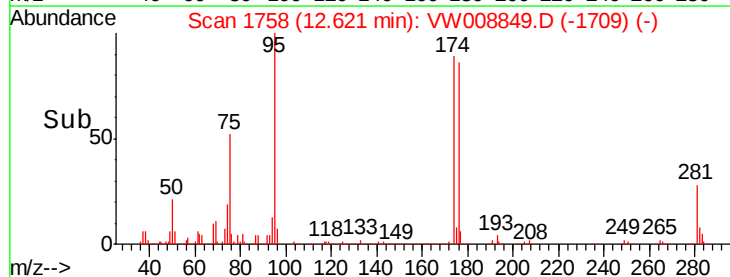
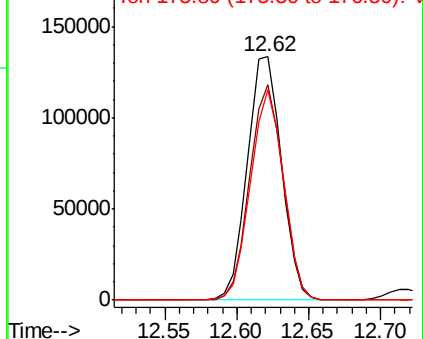
176 83.2 0.0 163.6

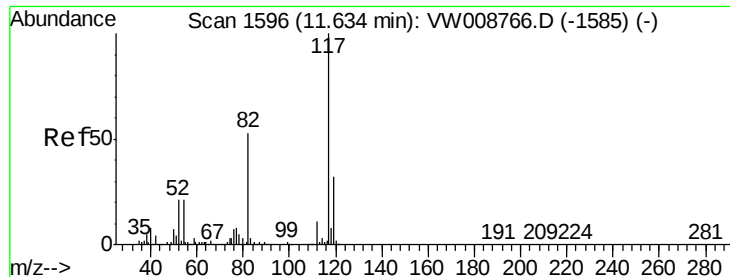


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.01 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

Instrument :

MSVOA_W

ClientSampleId :

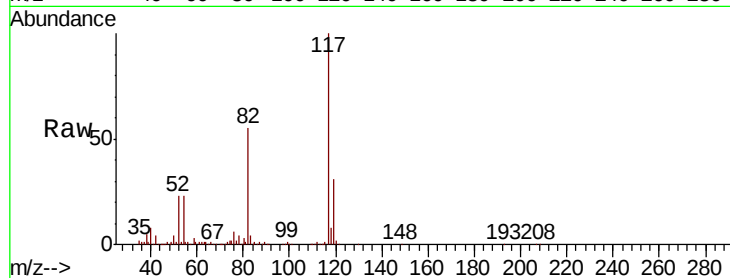
Tot Ion:117 Resp: 433312

Ion Ratio Lower Upper

117 100

82 54.6 42.2 63.4

119 30.8 25.9 38.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): V

11.63

300000

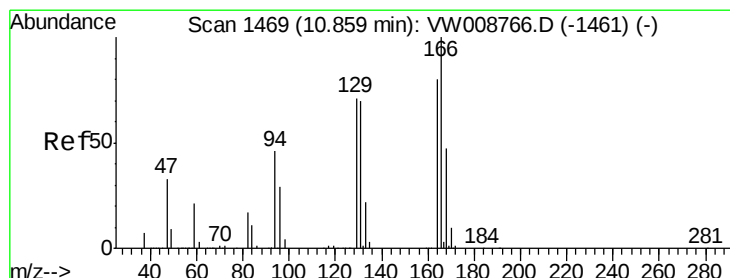
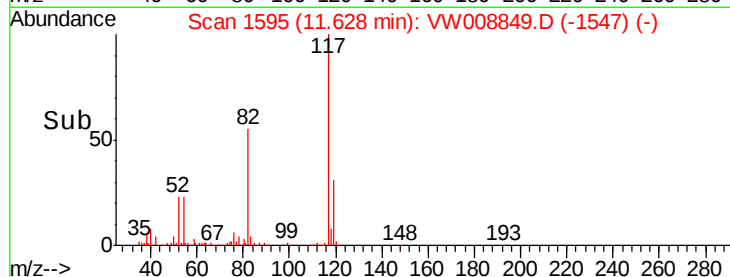
200000

100000

0

Time-->

11.60 11.70



#64

Tetrachloroethene

Concen: 18.495 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

Tgt Ion:164 Resp: 57367

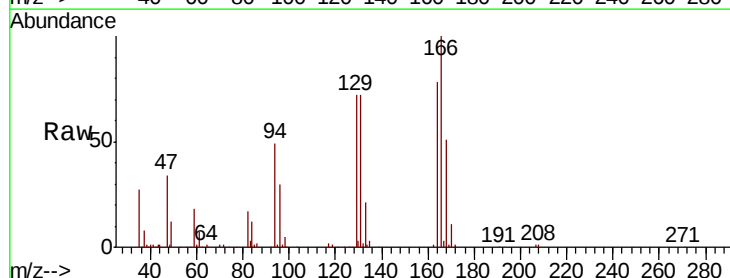
Ion Ratio Lower Upper

164 100

166 128.3 99.5 149.3

129 92.6 71.1 106.7

131 92.4 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

60000

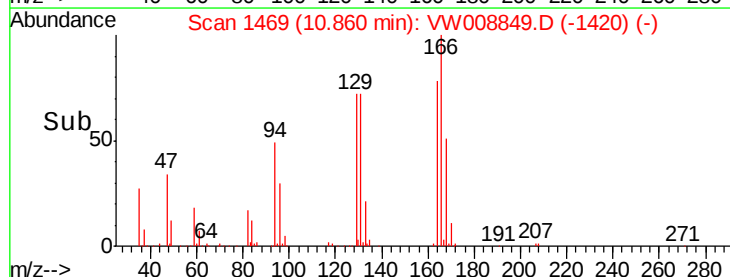
40000

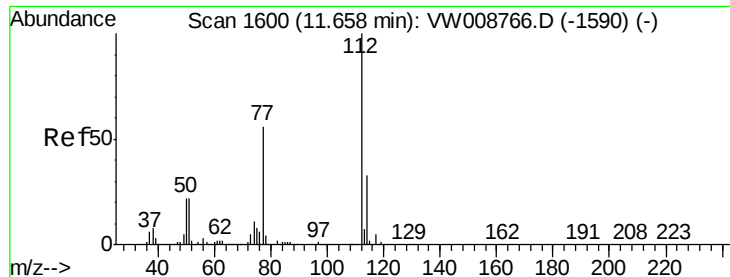
20000

0

Time-->

10.80 10.85 10.90

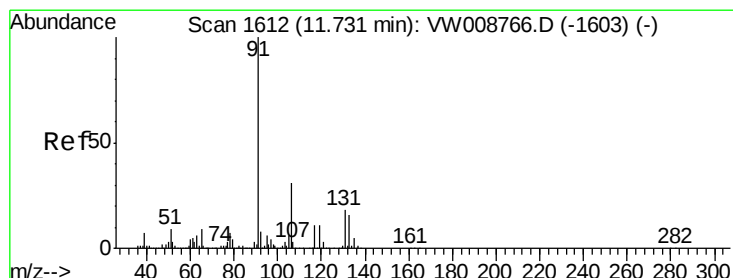
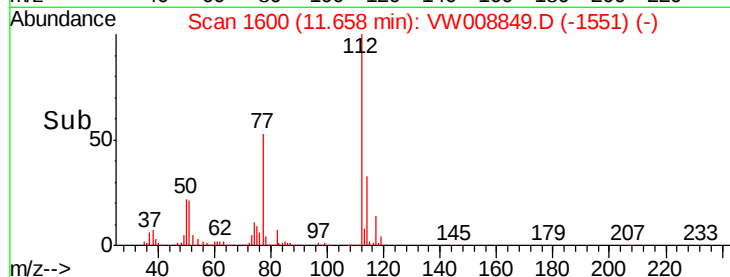
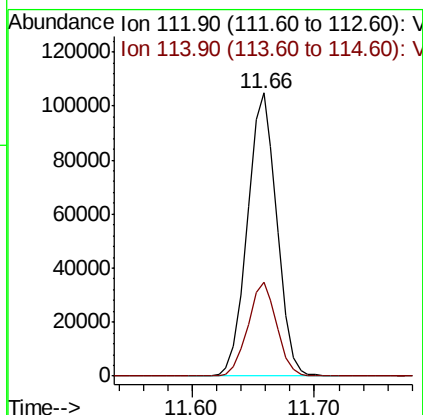
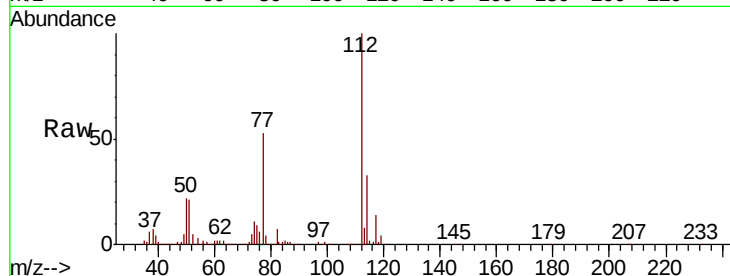




#65
Chlorobenzene
Concen: 19.220 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW008849.D
Acq: 27 Feb 2019 12:46

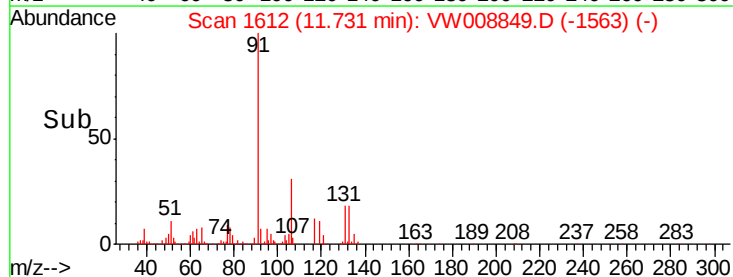
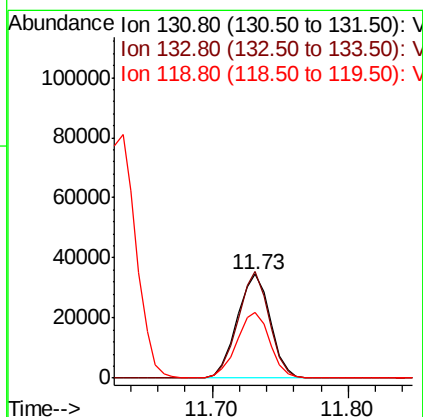
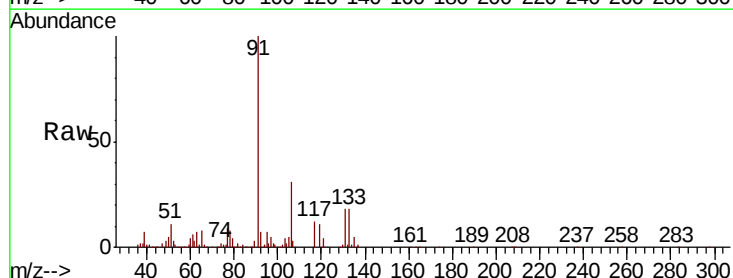
Instrument :
MSVOA_W
ClientSampled :

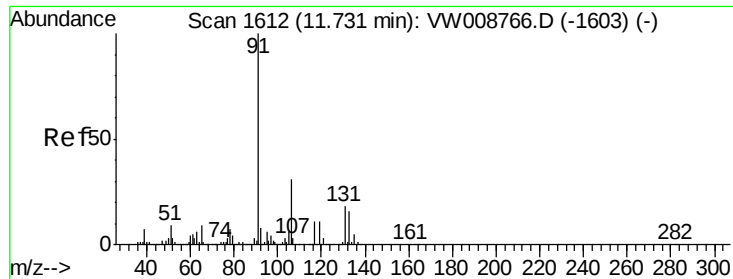
Tot Ion:112 Resp: 175118
Ion Ratio Lower Upper
112 100
114 33.3 26.6 40.0



#66
1,1,1,2-Tetrachloroethane
Concen: 19.106 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008849.D
Acq: 27 Feb 2019 12:46

Tgt Ion:131 Resp: 58862
Ion Ratio Lower Upper
131 100
133 97.4 46.7 140.0
119 62.7 30.8 92.4

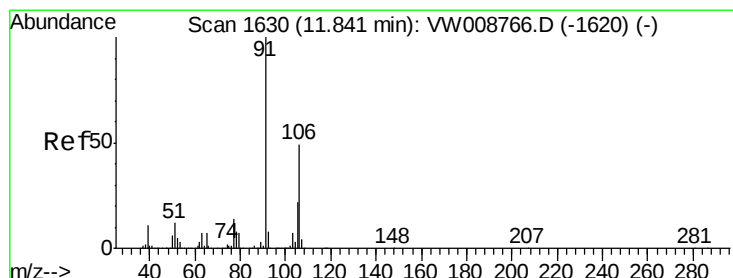
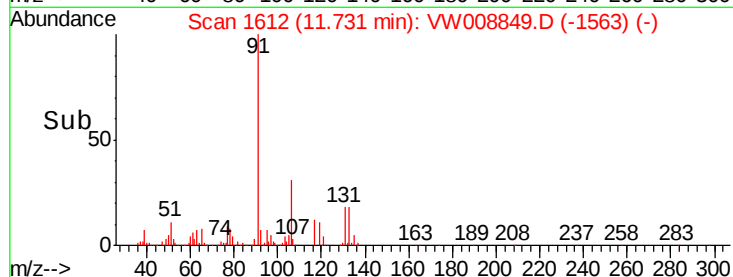
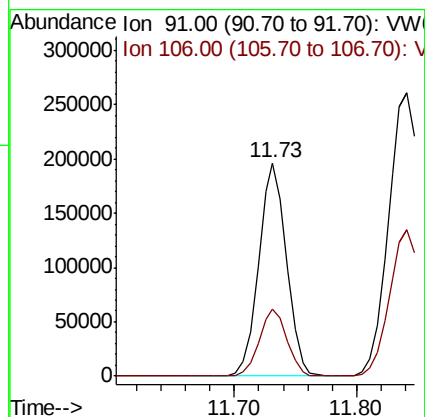
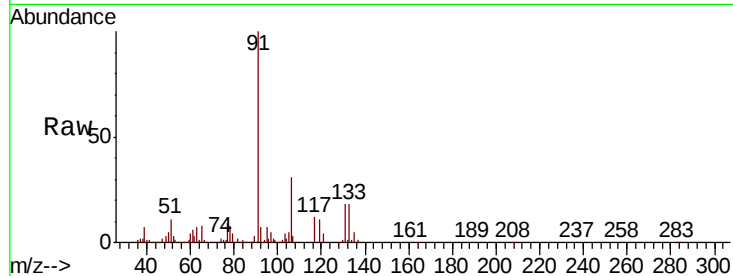




#67
Ethyl Benzene
Concen: 18.958 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008849.D
Acq: 27 Feb 2019 12:46

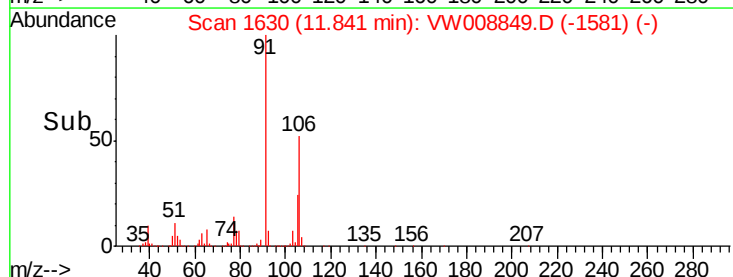
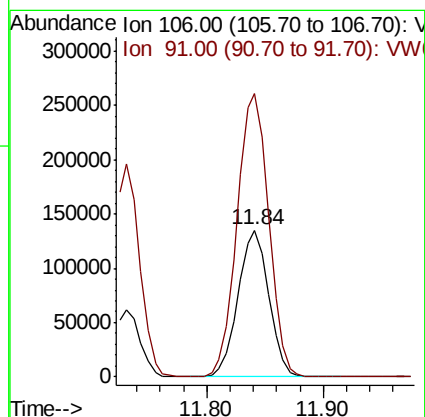
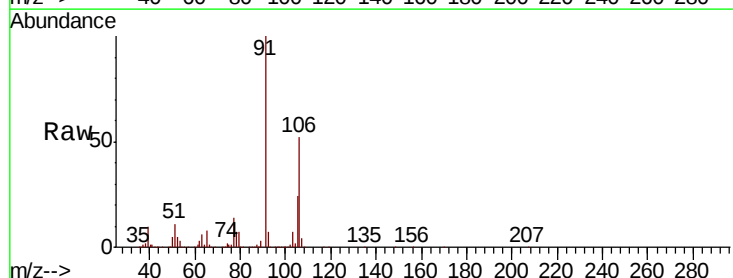
Instrument :
MSVOA_W
ClientSampled :

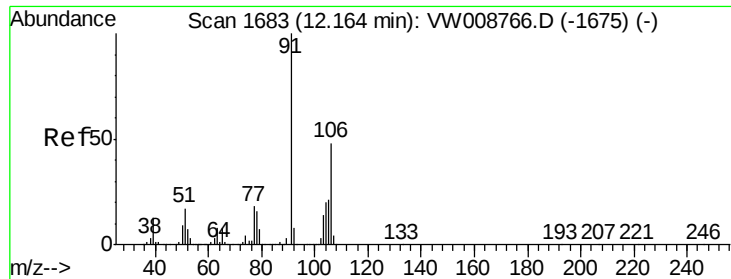
Tot Ion: 91 Resp: 308788
Ion Ratio Lower Upper
91 100
106 31.5 25.0 37.6



#68
m/p-Xylenes
Concen: 38.272 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008849.D
Acq: 27 Feb 2019 12:46

Tgt Ion: 106 Resp: 249069
Ion Ratio Lower Upper
106 100
91 198.7 161.5 242.3

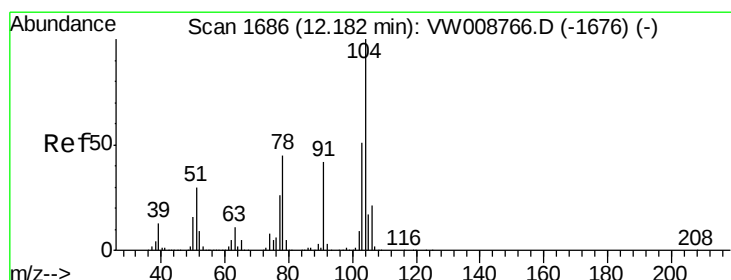
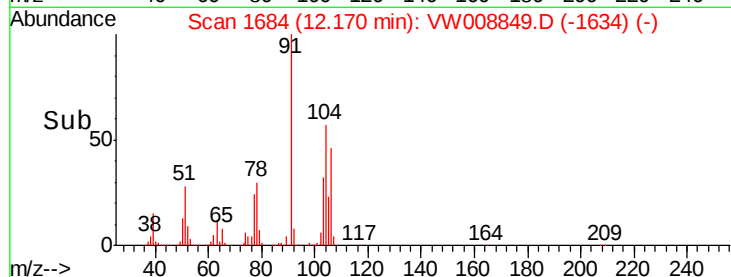
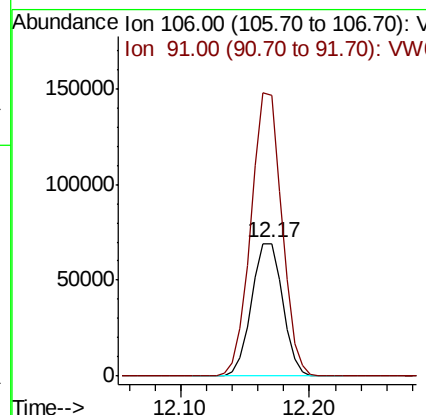
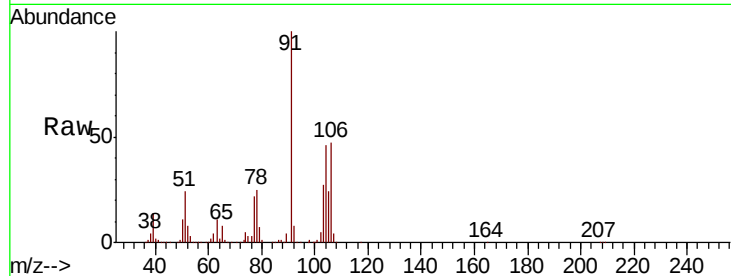




#69
o-Xylene
Concen: 18.883 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW008849.D
Acq: 27 Feb 2019 12:46

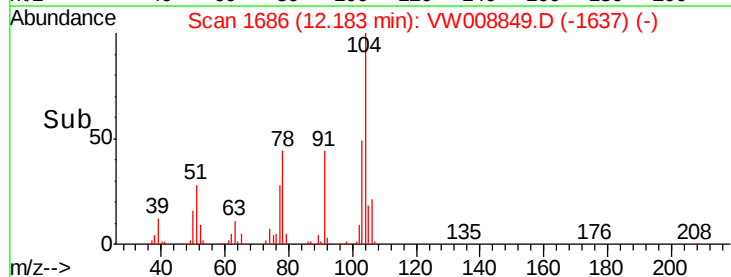
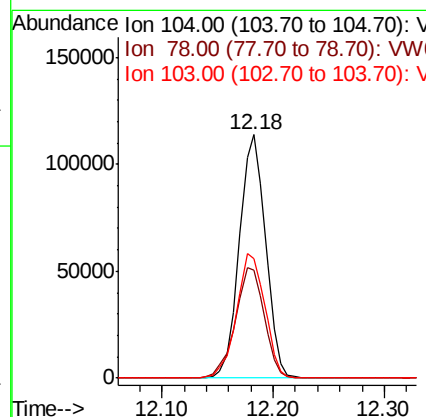
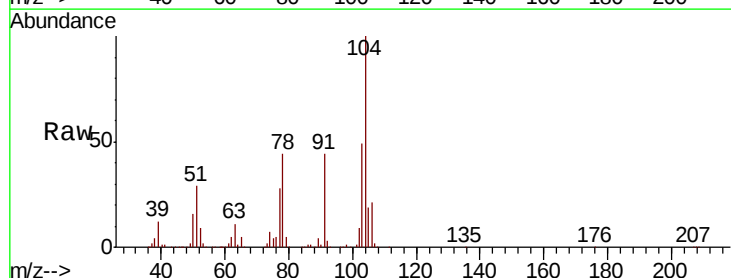
Instrument :
MSVOA_W
ClientSampled :

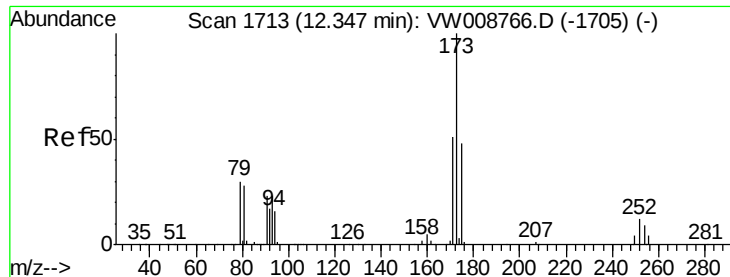
Tot Ion:106 Resp: 115345
Ion Ratio Lower Upper
106 100
91 211.1 106.2 318.6



#70
Styrene
Concen: 18.971 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008849.D
Acq: 27 Feb 2019 12:46

Tgt Ion:104 Resp: 186430
Ion Ratio Lower Upper
104 100
78 49.9 40.8 61.2
103 55.2 44.2 66.2





#71

Bromoform

Concen: 19.114 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

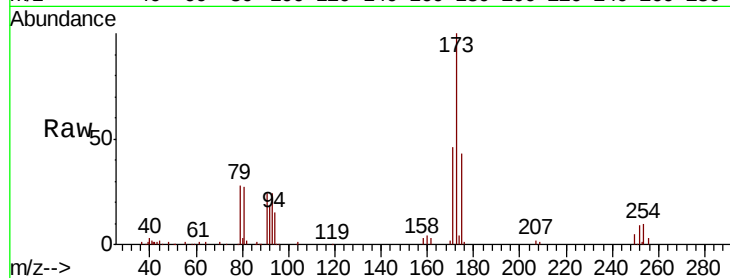
Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:173 Resp: 31652

Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.2	72.6
254	0.0	0.2	0.4

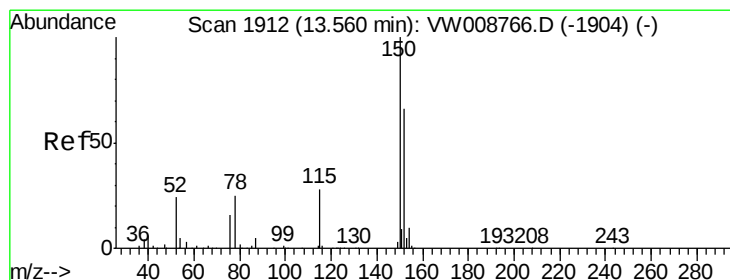
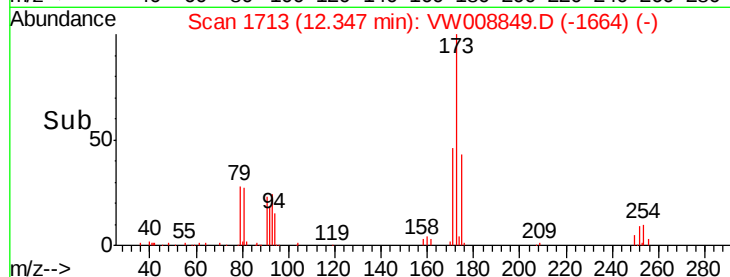
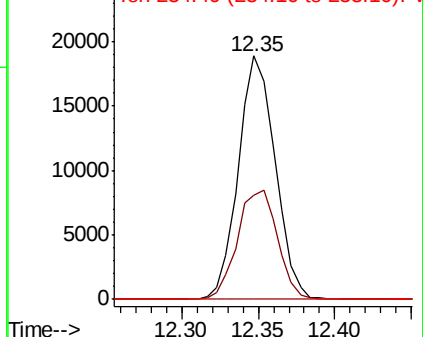


Abundance

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

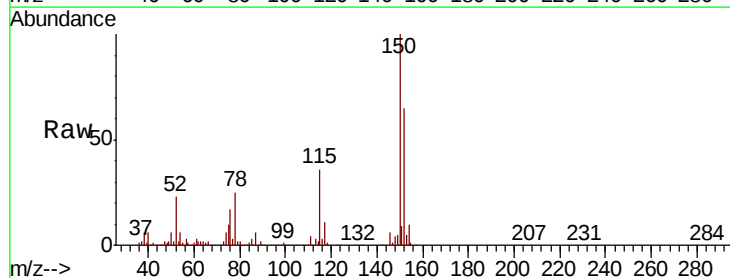
Delta R.T. 0.00 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

Tgt Ion:152 Resp: 237916

Ion	Ratio	Lower	Upper
152	100		
115	57.3	28.6	85.8
150	163.1	0.0	348.0

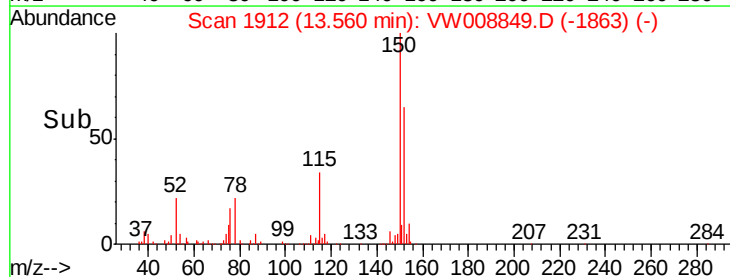
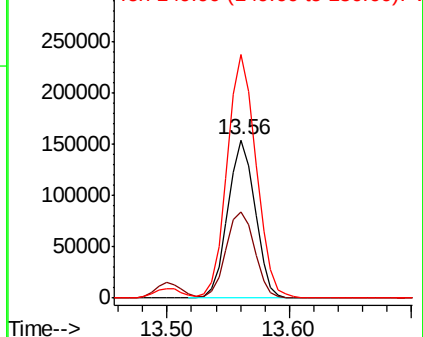


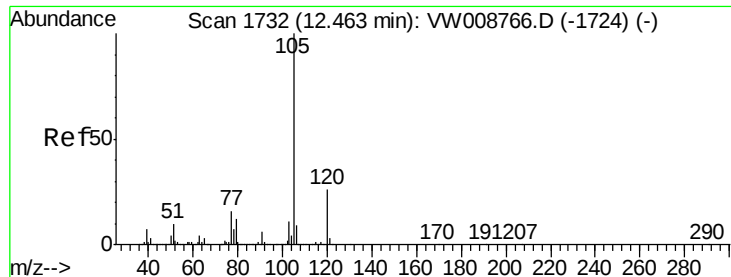
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.157 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

Instrument :

MSVOA_W

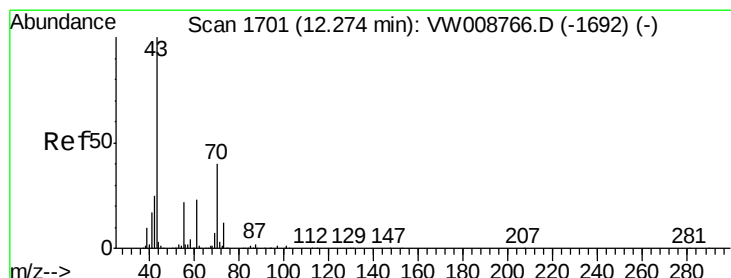
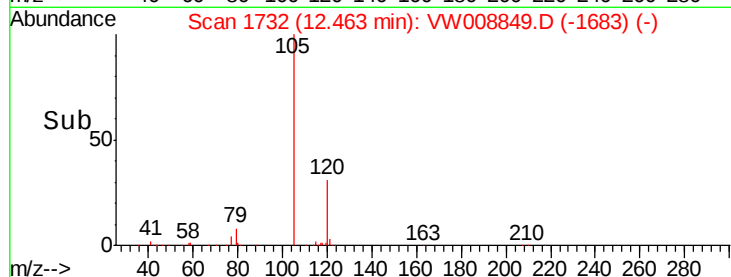
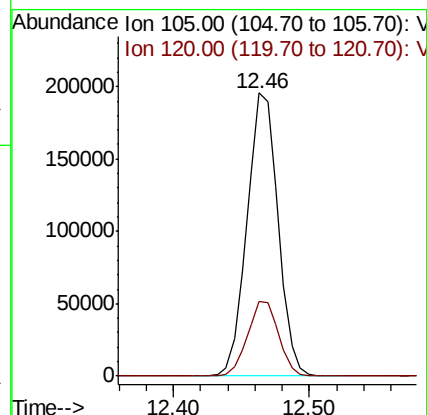
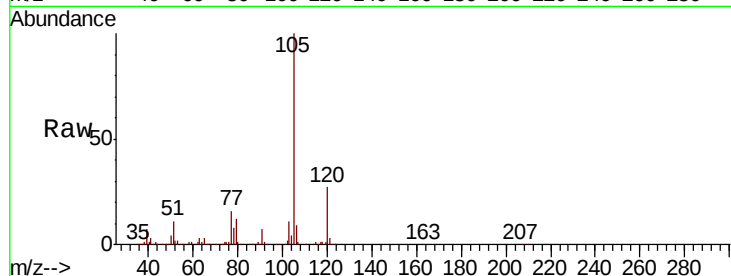
ClientSampleId :

Tot Ion:105 Resp: 312461

Ion Ratio Lower Upper

105 100

120 26.6 13.3 39.9



#74

N-ethyl acetate

Concen: 18.498 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

Tgt Ion: 43 Resp: 75997

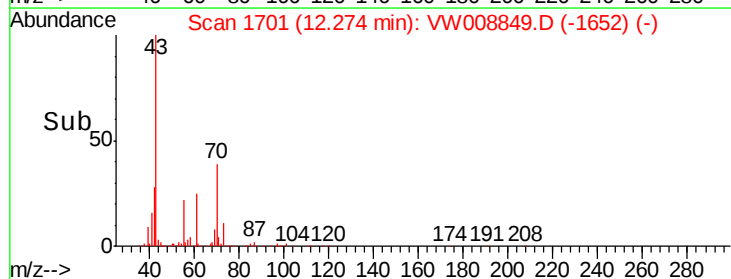
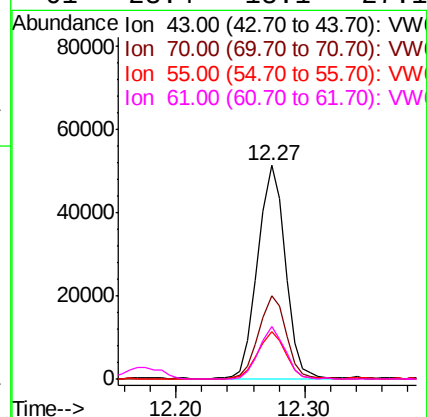
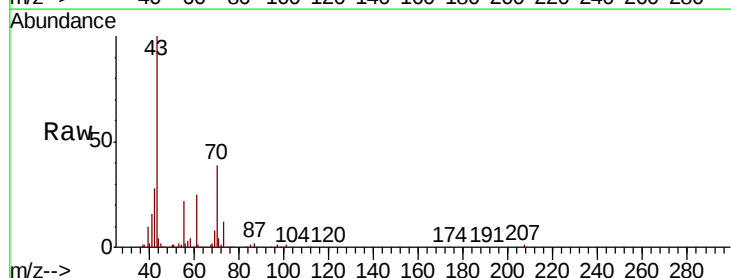
Ion Ratio Lower Upper

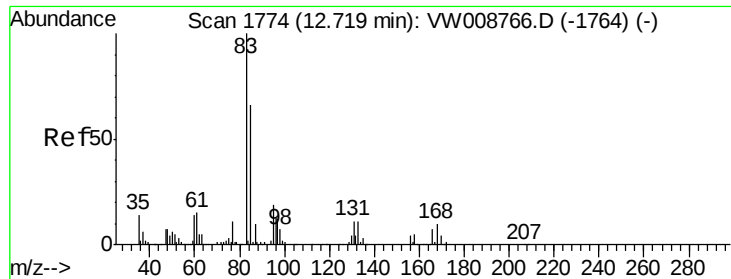
43 100

70 39.5 31.0 46.6

55 22.8 18.7 28.1

61 23.4 18.1 27.1





#75

1,1,2,2-Tetrachloroethane

Concen: 19.586 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

Instrument :

MSVOA_W

ClientSampleId :

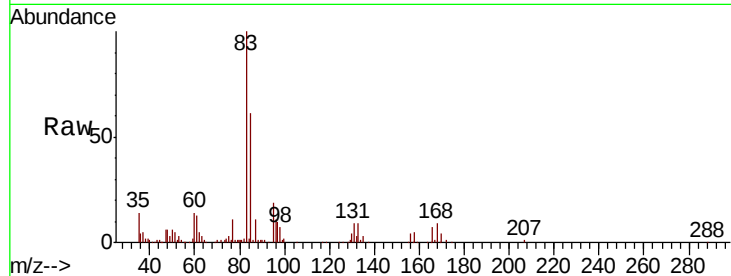
Tot Ion: 83 Resp: 52198

Ion Ratio Lower Upper

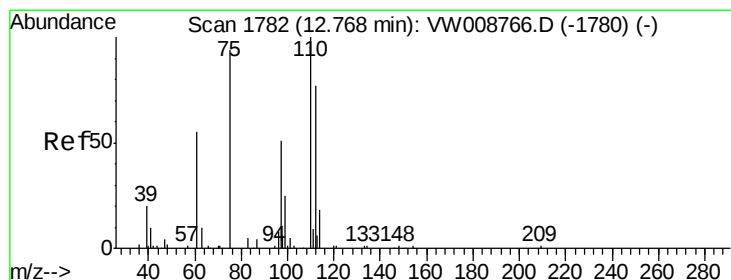
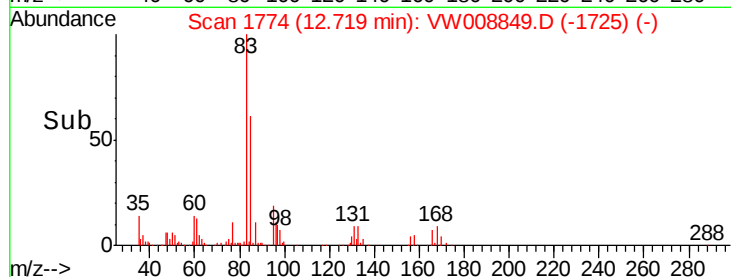
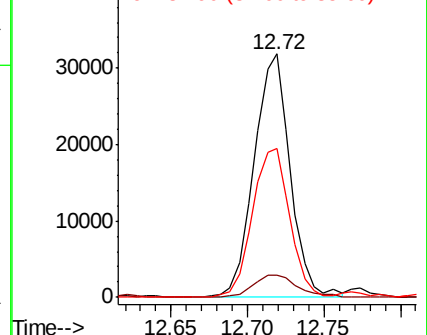
83 100

131 11.4 5.5 16.7

85 63.2 33.0 98.9



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 35.901 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW008849.D

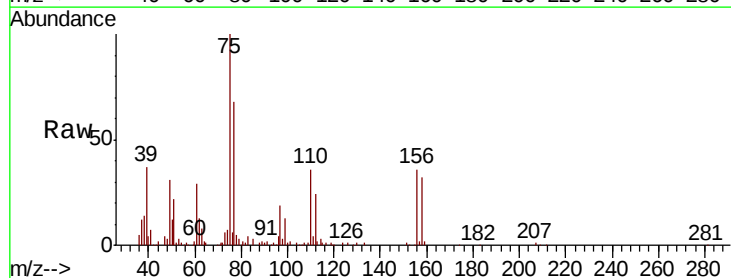
Acq: 27 Feb 2019 12:46

Tgt Ion: 75 Resp: 70521

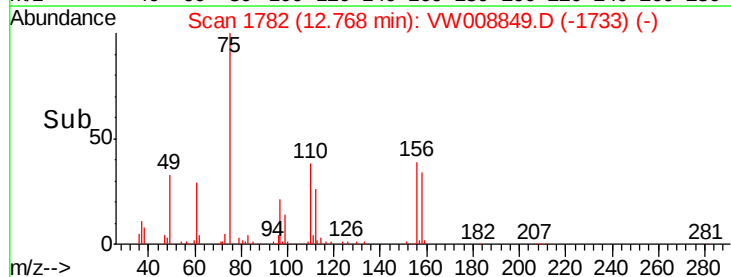
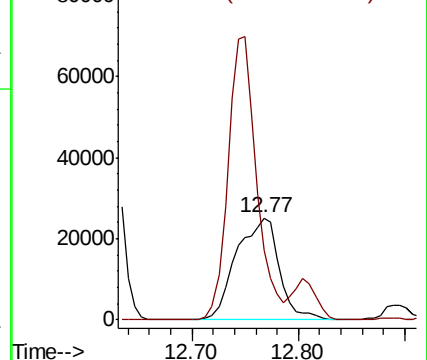
Ion Ratio Lower Upper

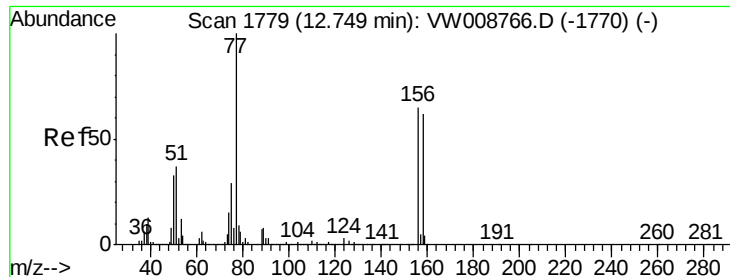
75 100

77 185.3 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: 19.482 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

Instrument :

MSVOA_W

ClientSampleId :

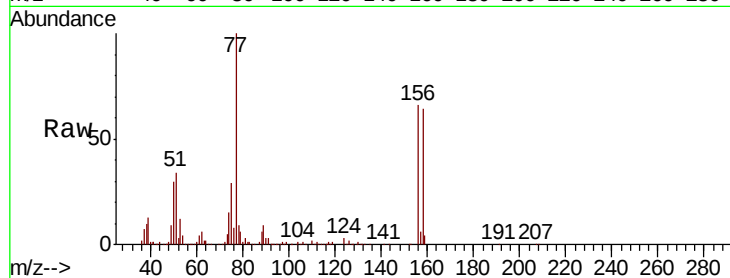
Tot Ion:156 Resp: 75087

Ion Ratio Lower Upper

156 100

77 174.1 89.1 267.4

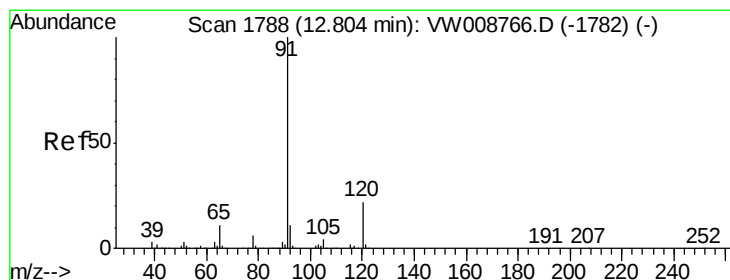
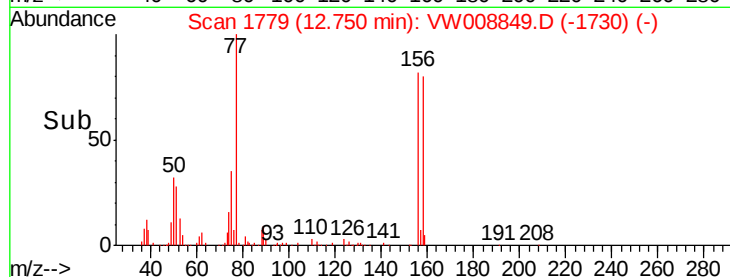
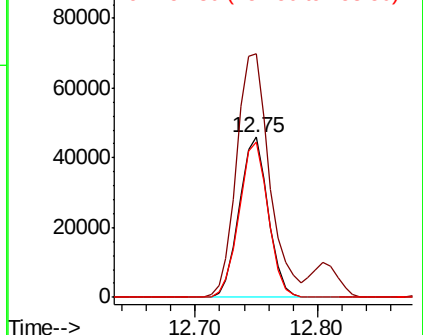
158 97.0 49.2 147.6



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: 19.222 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW008849.D

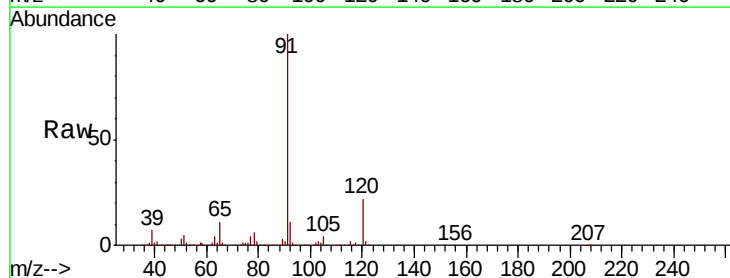
Acq: 27 Feb 2019 12:46

Tgt Ion: 91 Resp: 383494

Ion Ratio Lower Upper

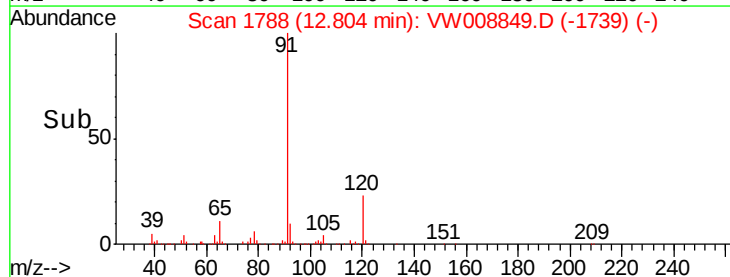
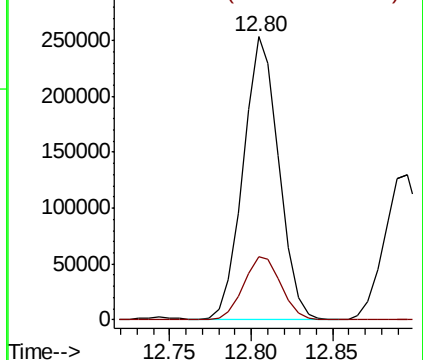
91 100

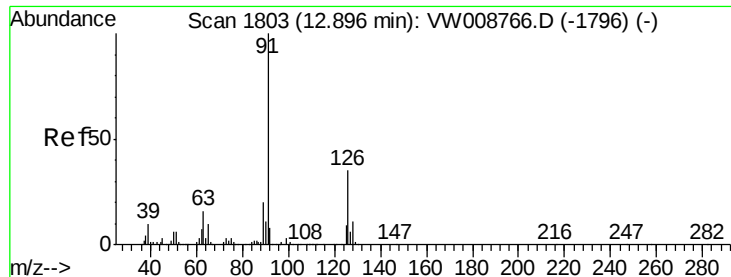
120 23.4 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.974 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

Instrument :

MSVOA_W

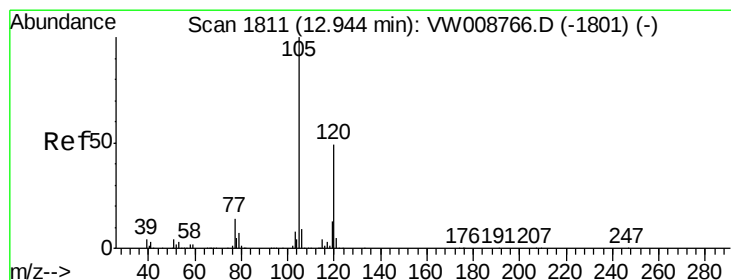
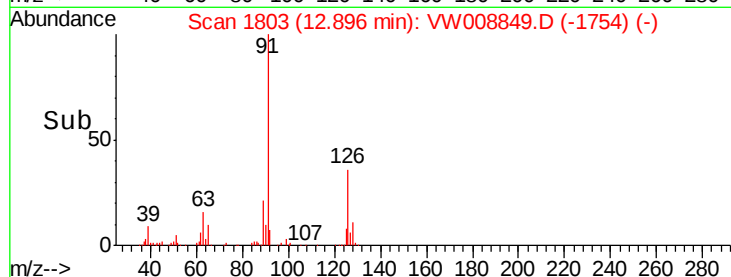
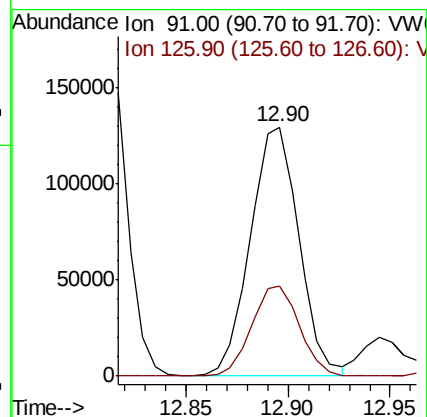
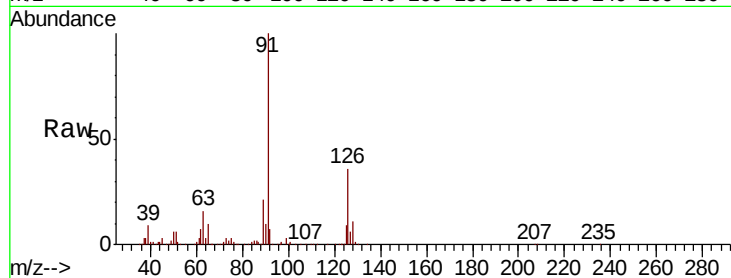
ClientSampleId :

Tot Ion: 91 Resp: 214923

Ion Ratio Lower Upper

91 100

126 35.6 17.0 51.0



#80

1,3,5-Trimethylbenzene

Concen: 18.842 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008849.D

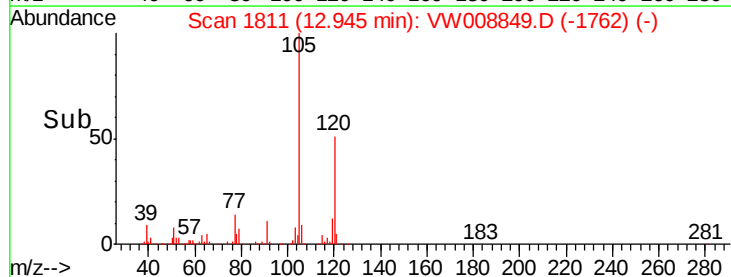
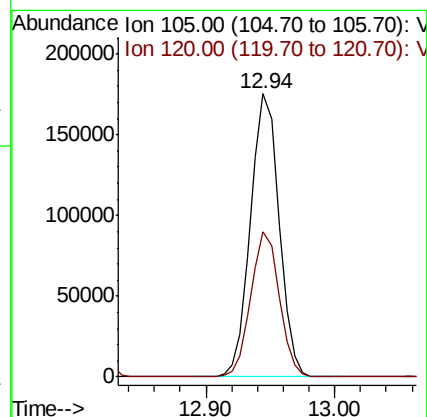
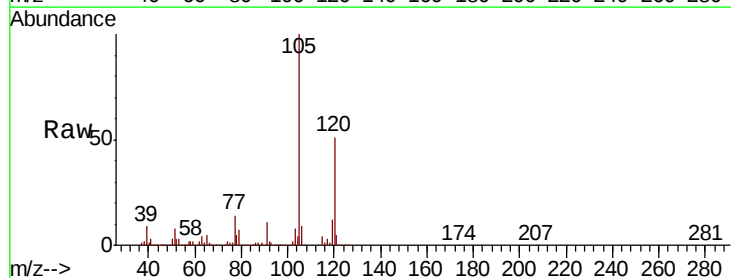
Acq: 27 Feb 2019 12:46

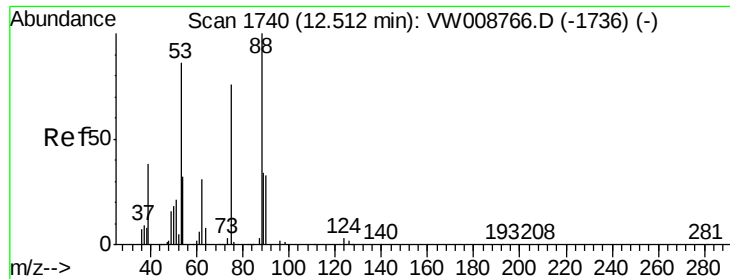
Tgt Ion: 105 Resp: 267068

Ion Ratio Lower Upper

105 100

120 51.2 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 19.265 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.01 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

Instrument :

MSVOA_W

ClientSampleId :

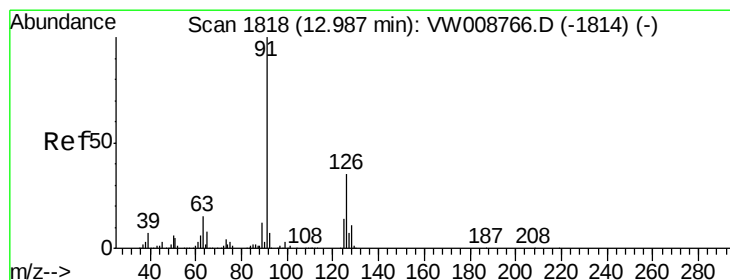
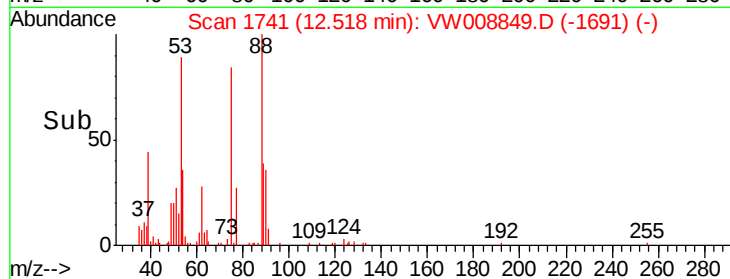
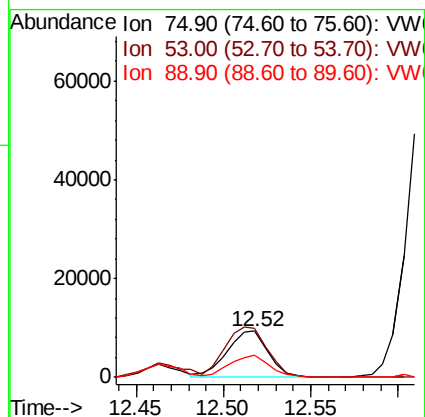
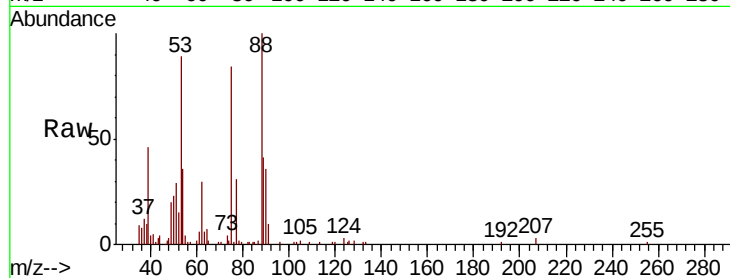
Tot Ion: 75 Resp: 15566

Ion Ratio Lower Upper

75 100

53 111.6 88.2 132.2

89 46.5 39.5 59.3



#82

4-Chlorotoluene

Concen: 18.968 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VW008849.D

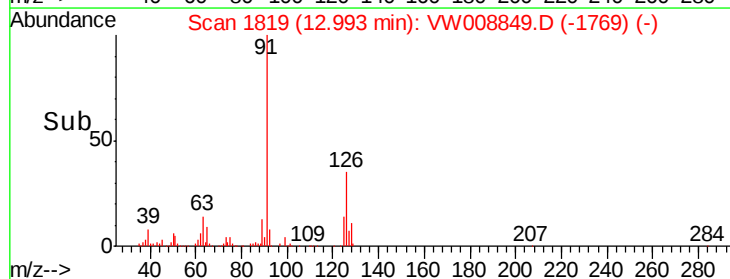
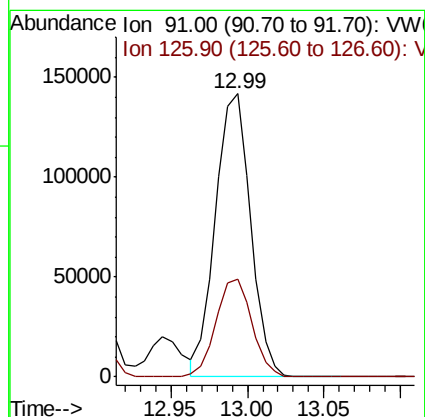
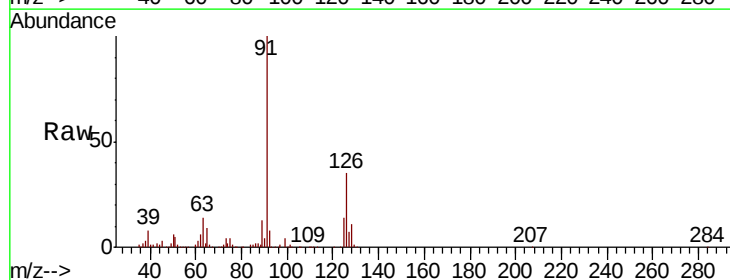
Acq: 27 Feb 2019 12:46

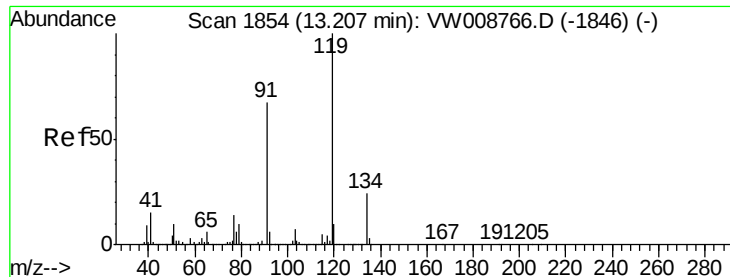
Tgt Ion: 91 Resp: 226423

Ion Ratio Lower Upper

91 100

126 35.5 17.2 51.6





#83

tert-Butylbenzene

Concen: 18.973 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

Instrument :

MSVOA_W

ClientSampleId :

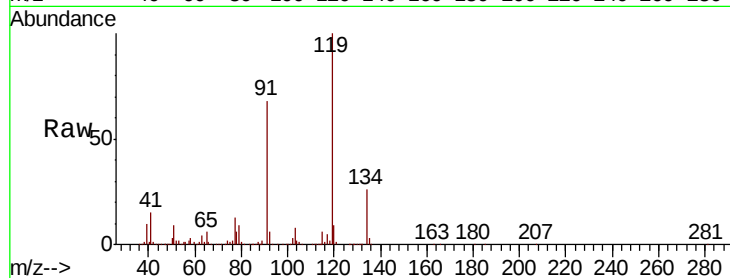
Tot Ion:119 Resp: 232527

Ion Ratio Lower Upper

119 100

91 66.8 33.6 100.8

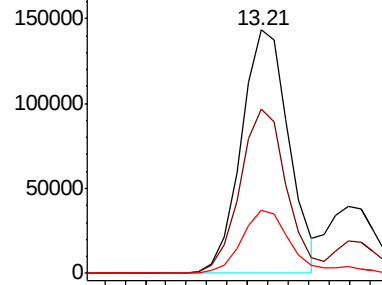
134 27.5 13.7 41.1



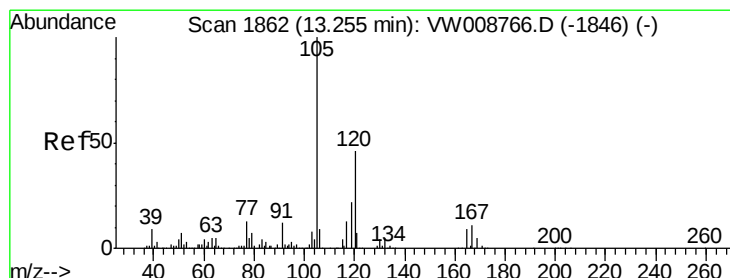
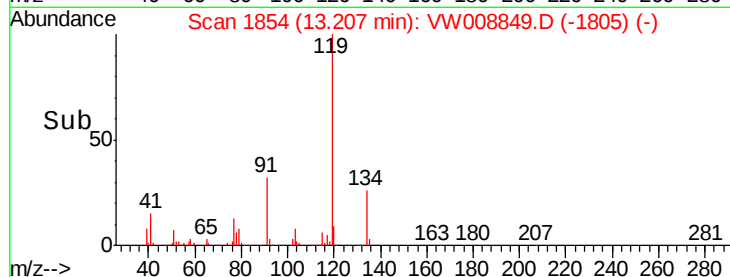
Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#84

1,2,4-Trimethylbenzene

Concen: 18.640 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW008849.D

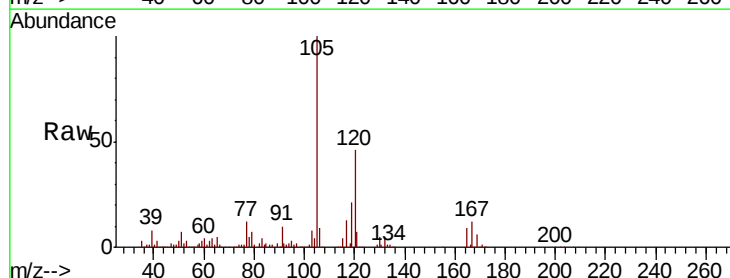
Acq: 27 Feb 2019 12:46

Tgt Ion:105 Resp: 273486

Ion Ratio Lower Upper

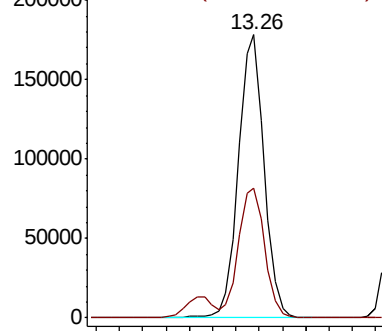
105 100

120 46.8 22.8 68.4

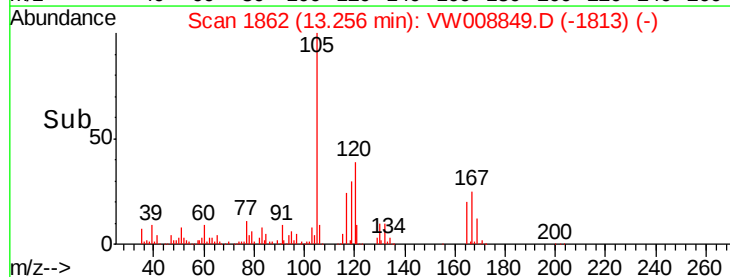


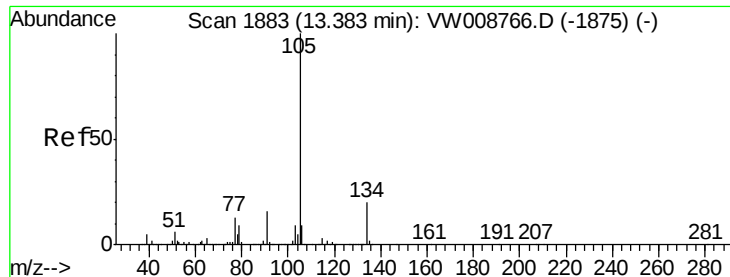
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->





#85

sec-Butylbenzene

Concen: 18.875 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

Instrument :

MSVOA_W

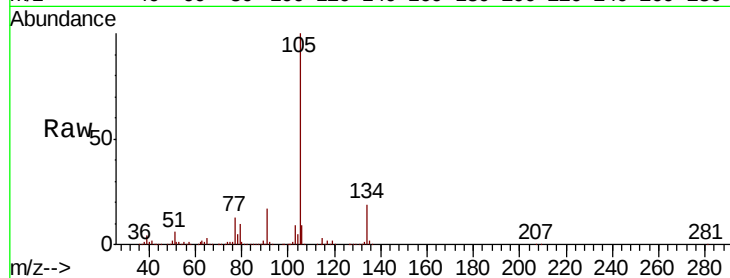
ClientSampleId :

Tot Ion:105 Resp: 332618

Ion Ratio Lower Upper

105 100

134 21.1 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.38

250000

200000

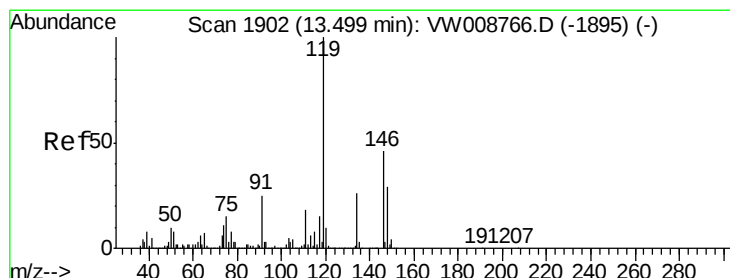
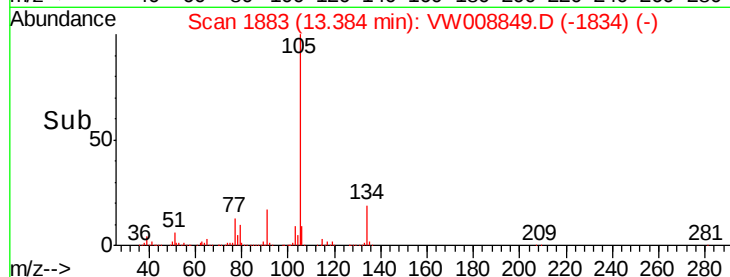
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 18.799 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

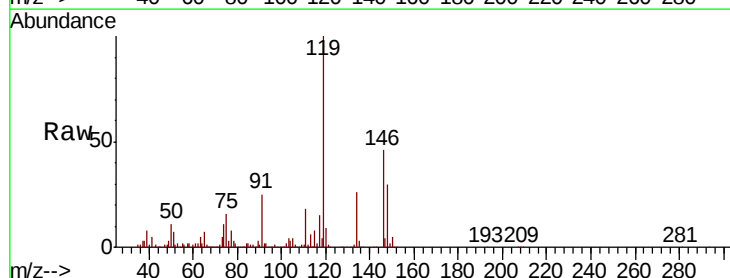
Tgt Ion:119 Resp: 303696

Ion Ratio Lower Upper

119 100

134 27.1 13.1 39.3

91 24.0 12.1 36.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

250000

200000

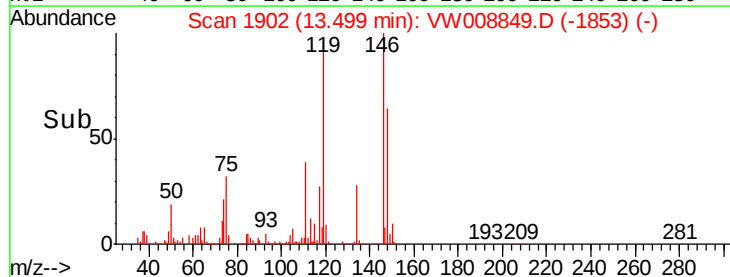
150000

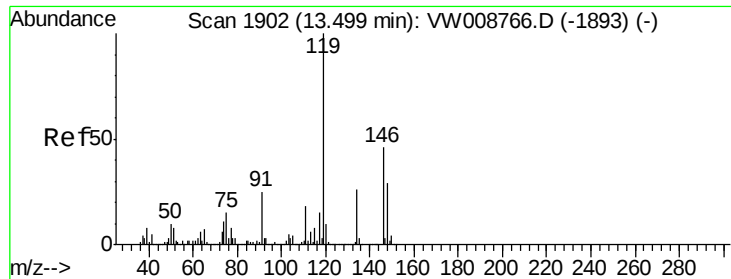
100000

50000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 19.153 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

Instrument :

MSVOA_W

ClientSampleId :

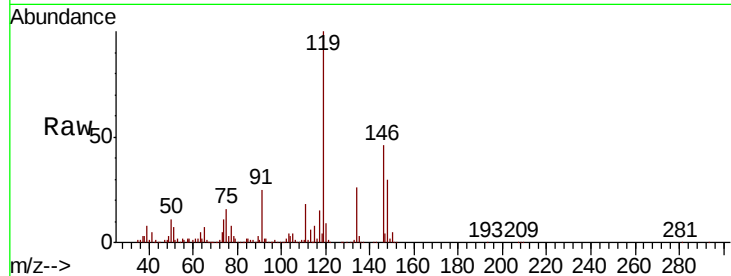
Tot Ion:146 Resp: 153161

Ion Ratio Lower Upper

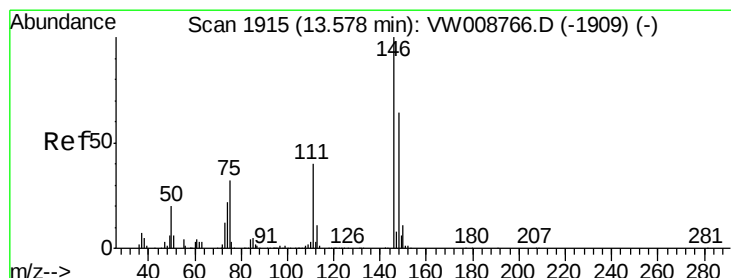
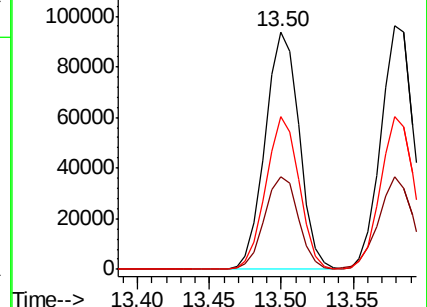
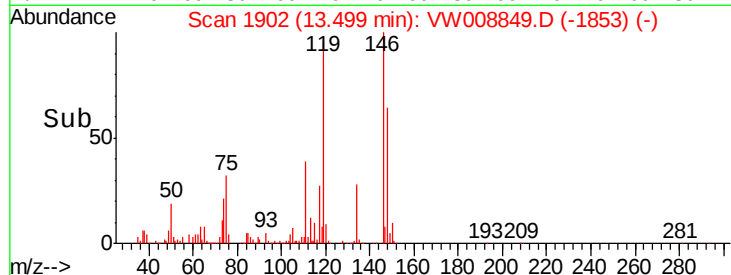
146 100

111 39.0 19.9 59.7

148 63.2 31.6 94.8



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.344 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

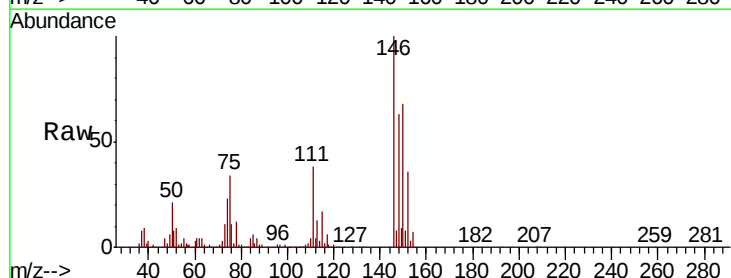
Tgt Ion:146 Resp: 152457

Ion Ratio Lower Upper

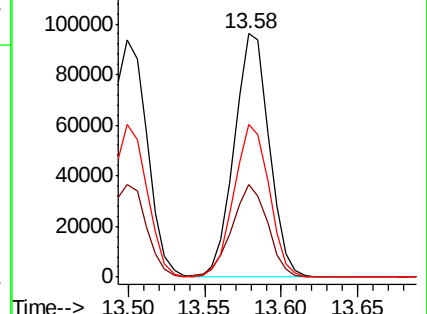
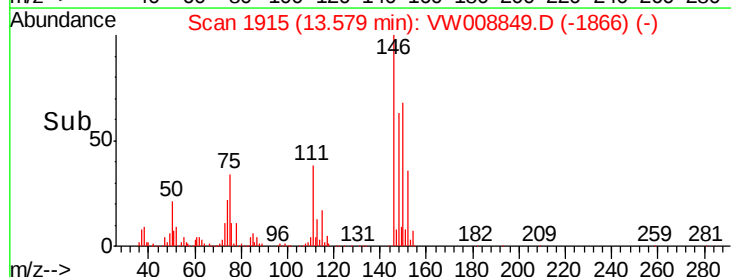
146 100

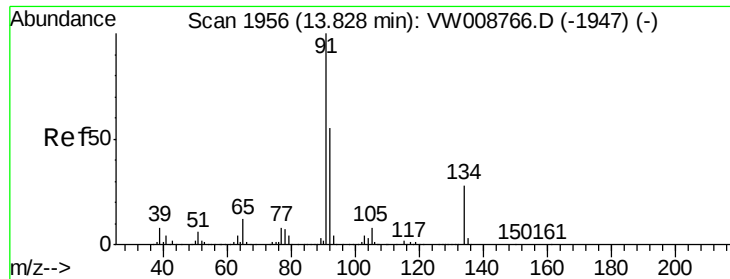
111 39.1 19.3 57.9

148 63.0 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 18.877 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

Instrument :

MSVOA_W

ClientSampled :

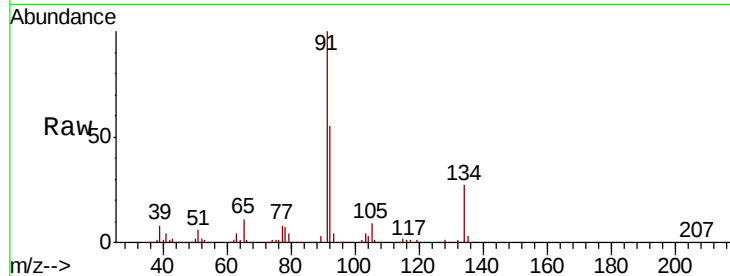
Tot Ion: 91 Resp: 285705

Ion Ratio Lower Upper

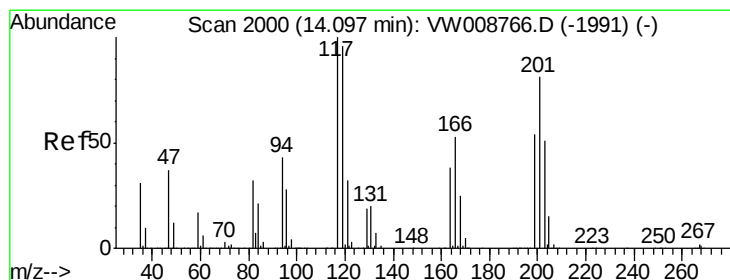
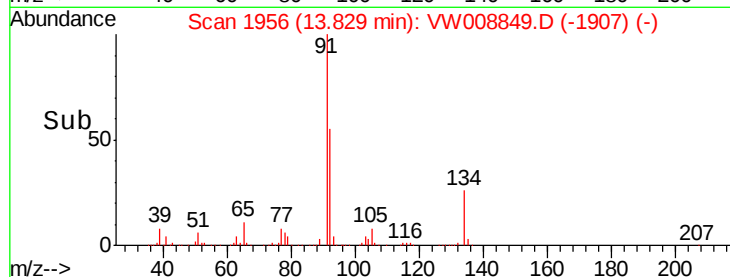
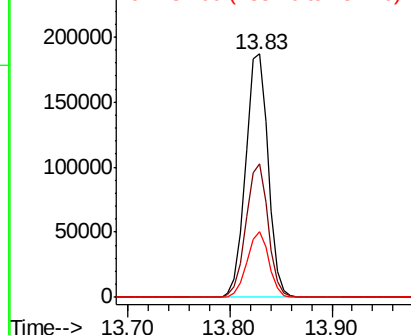
91 100

92 54.0 26.8 80.4

134 26.3 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: 19.675 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW008849.D

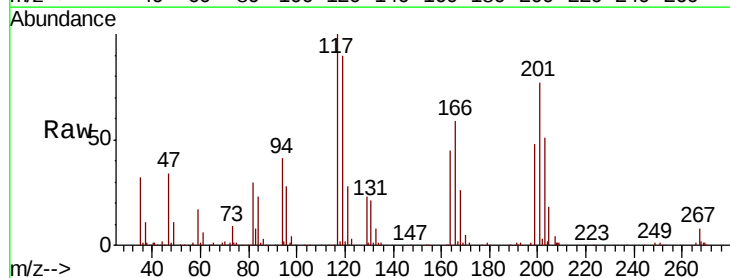
Acq: 27 Feb 2019 12:46

Tgt Ion: 117 Resp: 52033

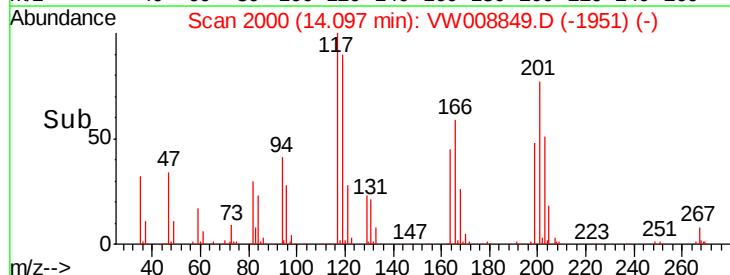
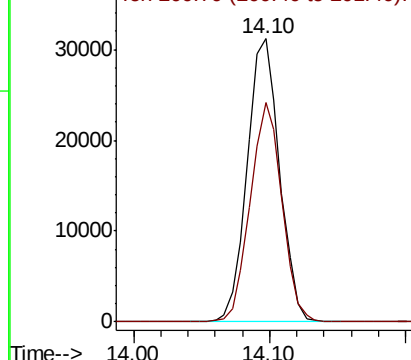
Ion Ratio Lower Upper

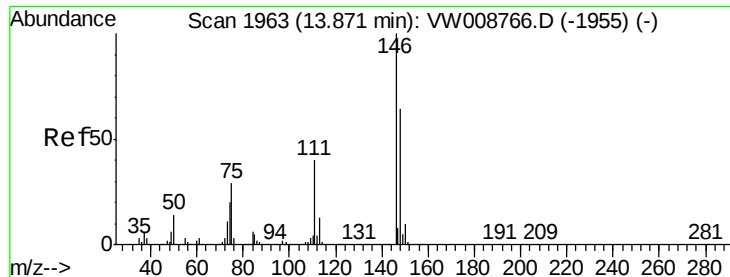
117 100

201 75.9 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: 18.921 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

Instrument :

MSVOA_W

ClientSampleId :

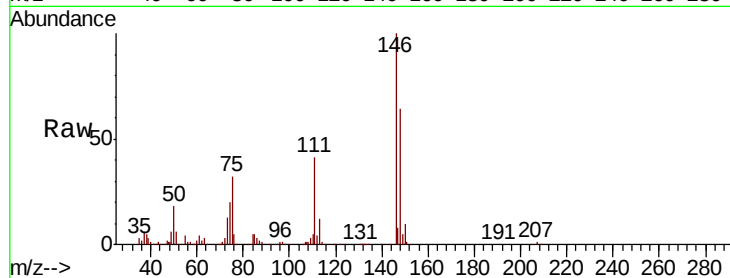
Tot Ion:146 Resp: 134814

Ion Ratio Lower Upper

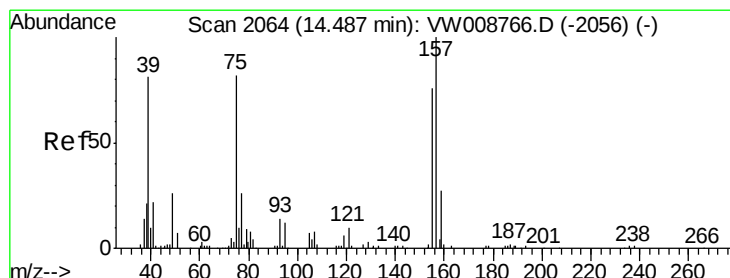
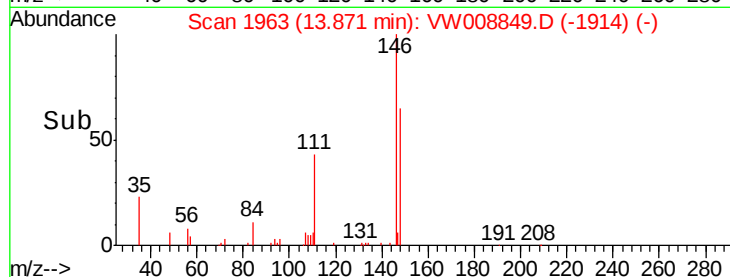
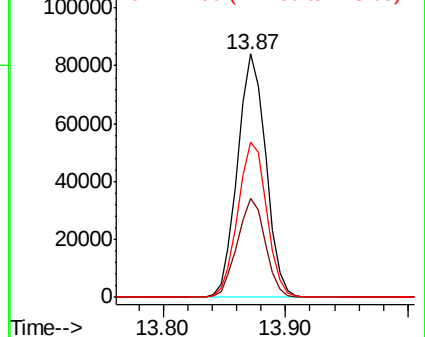
146 100

111 40.2 20.3 60.8

148 64.7 32.5 97.5



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.698 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW008849.D

Acq: 27 Feb 2019 12:46

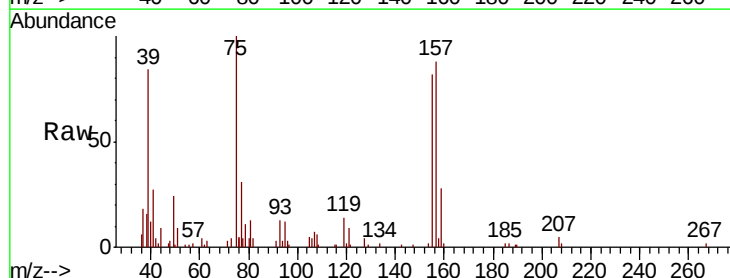
Tgt Ion: 75 Resp: 9496

Ion Ratio Lower Upper

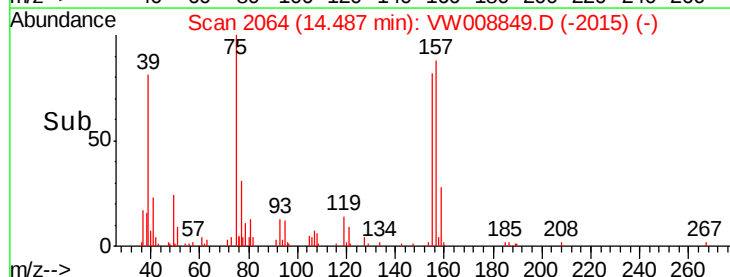
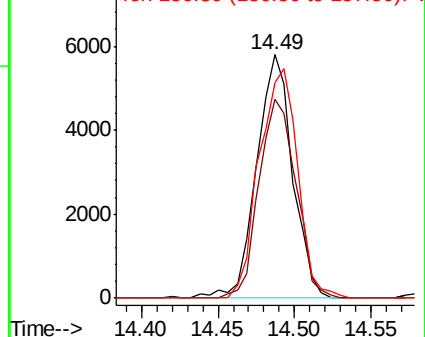
75 100

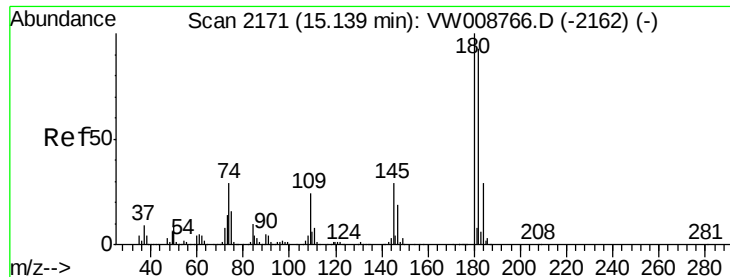
155 84.0 41.8 125.4

157 100.8 56.6 169.9



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

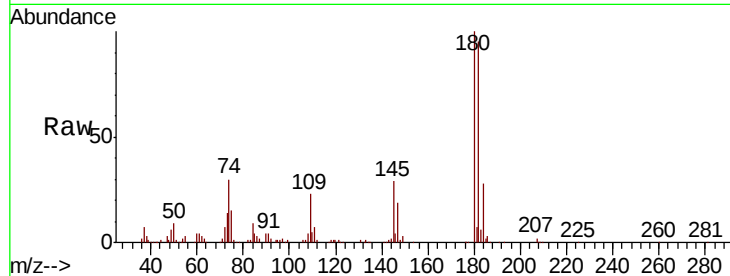




#93
 1,2,4-Trichlorobenzene
 Concen: 19.540 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008849.D
 Acq: 27 Feb 2019 12:46

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.2	141.6
145	30.0	14.4	43.0

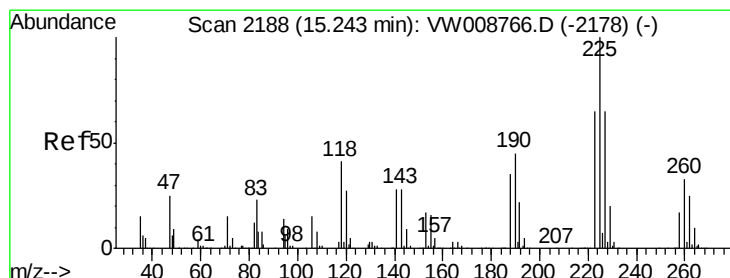
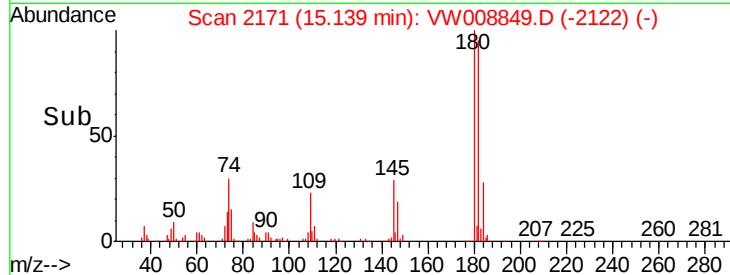
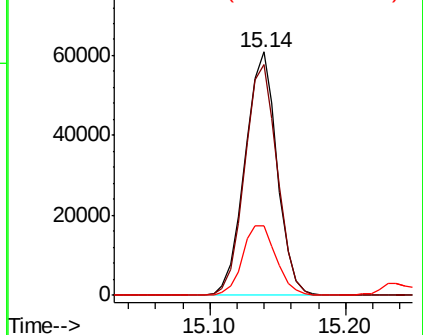


Abundance

Ion 179.80 (179.50 to 180.50): V

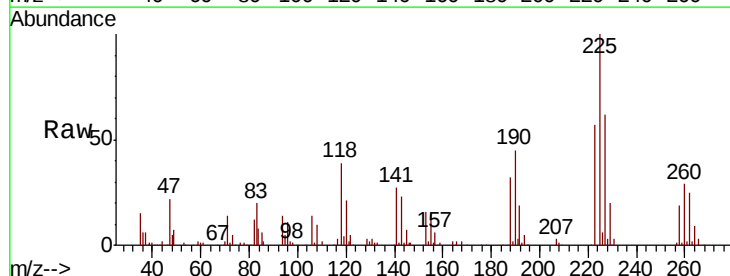
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 19.754 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008849.D
 Acq: 27 Feb 2019 12:46

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	31.5	94.5
227	62.9	31.6	94.8

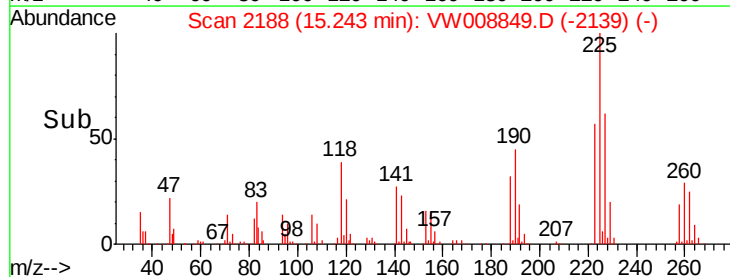
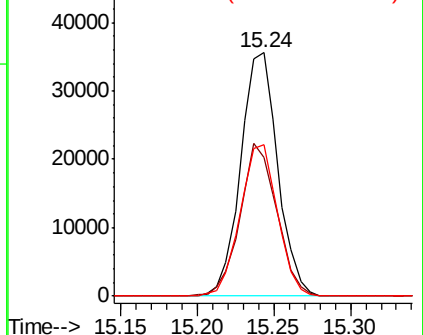


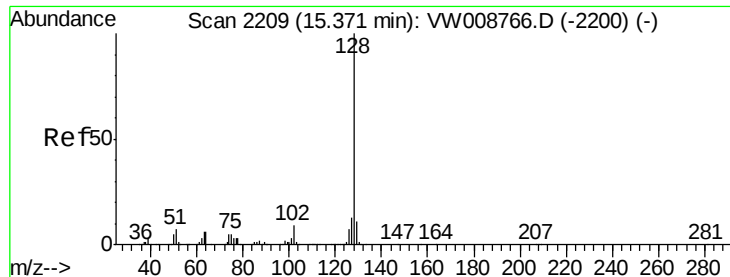
Abundance

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

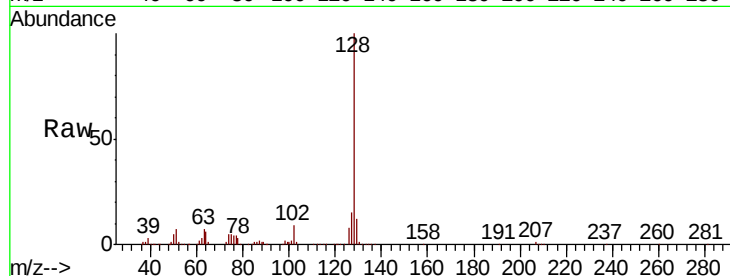




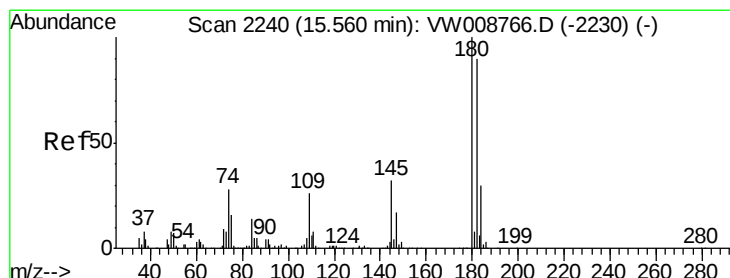
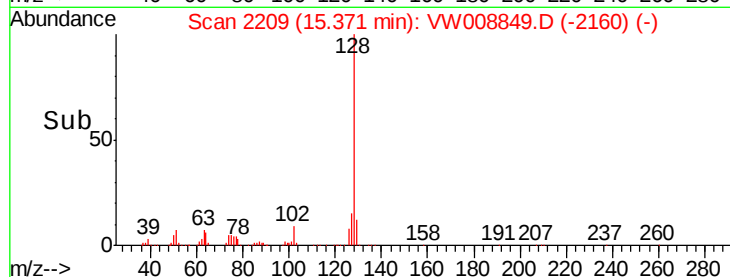
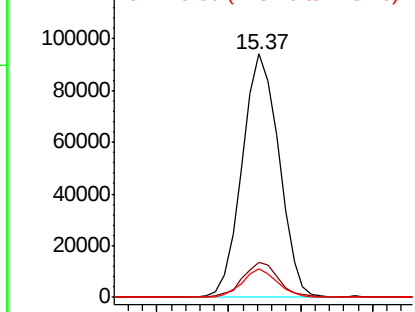
#95
Naphthalene
Concen: 19.136 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008849.D
Acq: 27 Feb 2019 12:46

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 167269
Ion Ratio Lower Upper
128 100
127 14.0 10.8 16.2
129 11.1 8.7 13.1

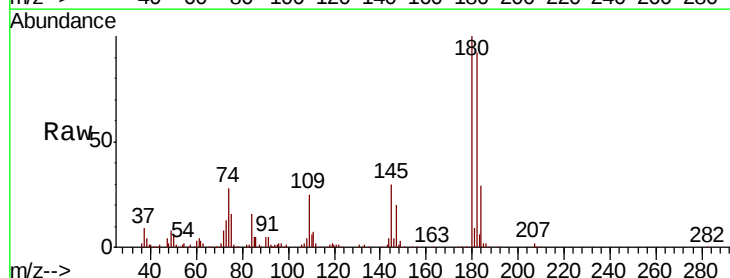


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 19.973 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW008849.D
Acq: 27 Feb 2019 12:46

Tgt Ion:180 Resp: 88656
Ion Ratio Lower Upper
180 100
182 95.2 46.9 140.8
145 33.0 15.9 47.6



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

