

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100418\
 Data File : VW005843.D
 Acq On : 04 Oct 2018 08:21
 Operator : SY/AP
 Sample : VW1004SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1004SBSD01

Quant Time: Oct 04 09:13:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100418S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 04 07:08:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	176897	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	266419	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	269020	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	144838	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	104715	48.79	ug/l	0.00
Spiked Amount			Recovery	=	97.58%	
35) Dibromofluoromethane	7.89	113	85648	49.05	ug/l	0.00
Spiked Amount			Recovery	=	98.10%	
50) Toluene-d8	10.33	98	376271	54.27	ug/l	0.00
Spiked Amount			Recovery	=	108.54%	
62) 4-Bromofluorobenzene	12.62	95	138623	54.10	ug/l	0.00
Spiked Amount			Recovery	=	108.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	20623	20.414	ug/l	98
3) Chloromethane	2.21	50	23945	19.670	ug/l	100
4) Vinyl Chloride	2.37	62	36436	20.440	ug/l	98
5) Bromomethane	2.78	94	24270	19.537	ug/l	97
6) Chloroethane	2.93	64	22795	20.909	ug/l	97
7) Trichlorofluoromethane	3.26	101	26409	21.542	ug/l	93
8) Diethyl Ether	3.68	74	18574	19.980	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	35580	20.985	ug/l	99
10) Methyl Iodide	4.26	142	56015	20.360	ug/l	98
11) Tert butyl alcohol	5.23	59	10278	79.204	ug/l #	82
12) 1,1-Dichloroethene	4.03	96	34109	20.531	ug/l	96
13) Acrolein	3.90	56	14224	109.096	ug/l	99
14) Allyl chloride	4.67	41	53648	19.897	ug/l	99
15) Acrylonitrile	5.38	53	35814	90.911	ug/l	99
16) Acetone	4.14	43	36350	101.495	ug/l	97
17) Carbon Disulfide	4.37	76	101299	19.284	ug/l	99
18) Methyl Acetate	4.68	43	19354	19.001	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	50917	19.522	ug/l	99
20) Methylene Chloride	4.92	84	46467	18.927	ug/l	96
21) trans-1,2-Dichloroethene	5.43	96	34582	19.071	ug/l	92
22) Diisopropyl ether	6.32	45	99420	18.789	ug/l	97
23) Vinyl Acetate	6.26	43	275611	91.691	ug/l	99
24) 1,1-Dichloroethane	6.21	63	64355	18.743	ug/l	96
25) 2-Butanone	7.18	43	45336	89.988	ug/l	99
26) 2,2-Dichloropropane	7.17	77	41057	19.151	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	37998	18.799	ug/l	99
28) Bromochloromethane	7.52	49	23243	19.166	ug/l #	100
29) Tetrahydrofuran	7.54	42	27280	87.714	ug/l	97
30) Chloroform	7.68	83	68534	18.625	ug/l	99
31) Cyclohexane	7.96	56	54419	18.540	ug/l	87
32) 1,1,1-Trichloroethane	7.87	97	62236	19.817	ug/l	100
36) 1,1-Dichloropropene	8.09	75	50640	19.122	ug/l	100
37) Ethyl Acetate	7.26	43	19540	17.729	ug/l	96
38) Carbon Tetrachloride	8.07	117	58305	19.759	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	57315	19.225	ug/l	95
40) Benzene	8.33	78	144523	18.830	ug/l	99
41) Methacrylonitrile	7.49	41	12415	18.850	ug/l	93
42) 1,2-Dichloroethane	8.40	62	49494	19.173	ug/l	99
43) Isopropyl Acetate	8.43	43	40495	18.588	ug/l	99
44) Trichloroethene	9.10	130	38456	18.958	ug/l	99
45) 1,2-Dichloropropane	9.37	63	33859	18.630	ug/l	93
46) Dibromomethane	9.46	93	18512	18.624	ug/l	98
47) Bromodichloromethane	9.65	83	49648	18.873	ug/l	98
48) Methyl methacrylate	9.44	41	18851	17.873	ug/l	95
49) 1,4-Dioxane	9.48	88	6222	400.636	ug/l #	100
51) 4-Methyl-2-Pentanone	10.21	43	113186	99.867	ug/l	100
52) Toluene	10.39	92	101894	20.830	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	51304	19.974	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	57369	19.949	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	28860	20.098	ug/l	99
56) Ethyl methacrylate	10.65	69	34339	19.967	ug/l	98
57) 1,3-Dichloropropane	10.94	76	50206	20.537	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	70970	100.381	ug/l	100
59) 2-Hexanone	10.98	43	75593	99.720	ug/l	99
60) Dibromochloromethane	11.13	129	36410	20.312	ug/l	99
61) 1,2-Dibromoethane	11.24	107	27441	20.573	ug/l	97
64) Tetrachloroethene	10.87	164	42056	20.028	ug/l	97
65) Chlorobenzene	11.66	112	112596	19.142	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	41414	18.995	ug/l	99
67) Ethyl Benzene	11.74	91	196360	19.495	ug/l	100
68) m/p-Xylenes	11.84	106	152282	39.236	ug/l	99
69) o-Xylene	12.17	106	71207	19.739	ug/l	99
70) Styrene	12.19	104	118331	19.338	ug/l	99
71) Bromoform	12.35	173	22718	18.928	ug/l #	100
73) Isopropylbenzene	12.47	105	200988	20.168	ug/l	99
74) N-amyl acetate	12.28	43	41069	18.936	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	33631	19.669	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	46289	35.166	ug/l #	100
77) Bromobenzene	12.75	156	48525	19.722	ug/l	99
78) n-propylbenzene	12.81	91	238102	20.087	ug/l	99
79) 2-Chlorotoluene	12.90	91	140766	19.939	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	176727	20.421	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	9552	18.344	ug/l	98
82) 4-Chlorotoluene	12.99	91	147787	19.859	ug/l	99
83) tert-Butylbenzene	13.21	119	147632	20.455	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	179209	20.168	ug/l	99
85) sec-Butylbenzene	13.39	105	213342	20.477	ug/l	100
86) p-Isopropyltoluene	13.51	119	188453	20.152	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	98063	19.756	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	95803	19.345	ug/l	99
89) n-Butylbenzene	13.83	91	169999	19.738	ug/l	100
90) Hexachloroethane	14.10	117	34448	19.591	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	88489	19.829	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6584	19.917	ug/l	92

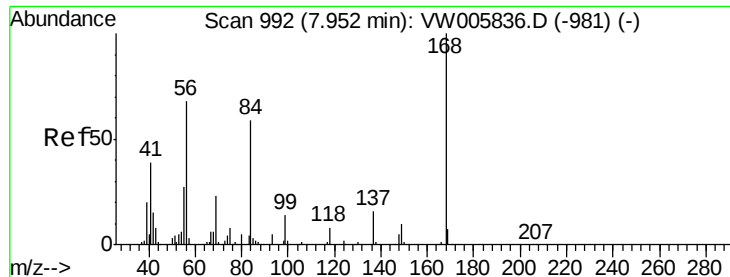
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	60789	19.491	ug/l	99
94) Hexachlorobutadiene	15.24	225	39740	20.151	ug/l	100
95) Naphthalene	15.38	128	105180	19.132	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	55749	19.883	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW005843.D

Acq: 04 Oct 2018 08:21

Instrument :

MSVOA_W

ClientSampleId :

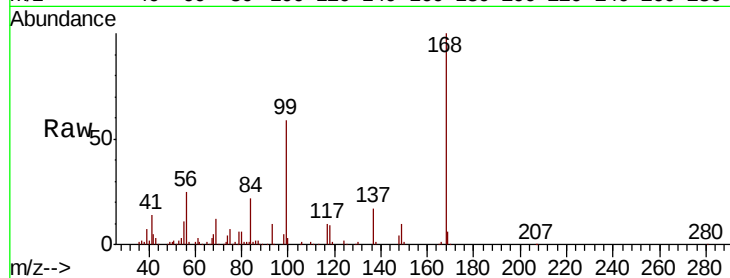
VW1004SBSD01

Tot Ion:168 Resp: 176897

Ion Ratio Lower Upper

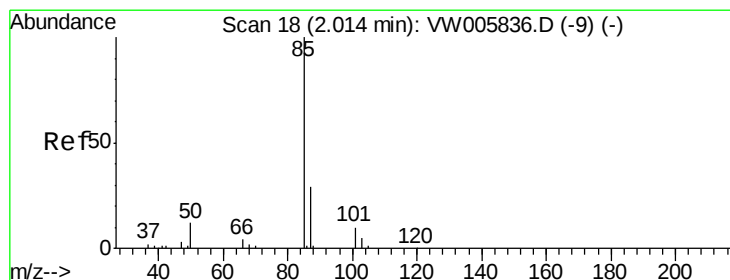
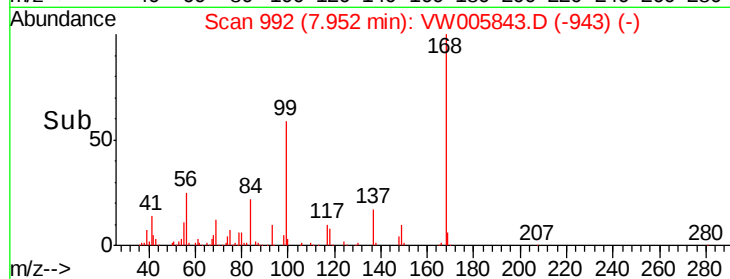
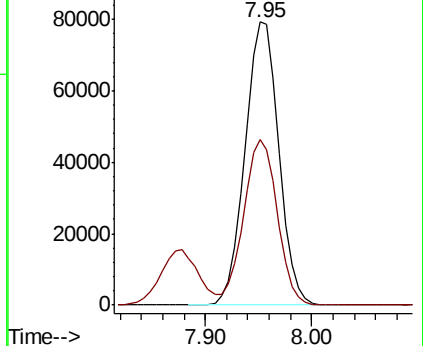
168 100

99 58.6 45.4 68.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 20.414 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW005843.D

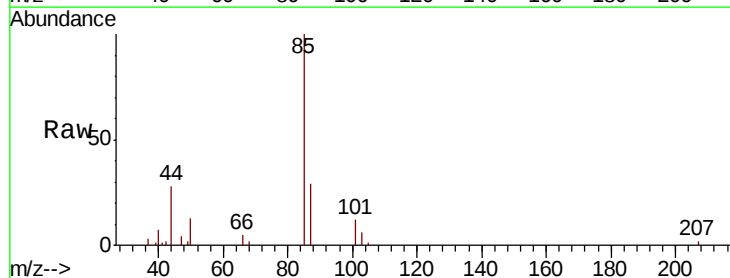
Acq: 04 Oct 2018 08:21

Tgt Ion: 85 Resp: 20623

Ion Ratio Lower Upper

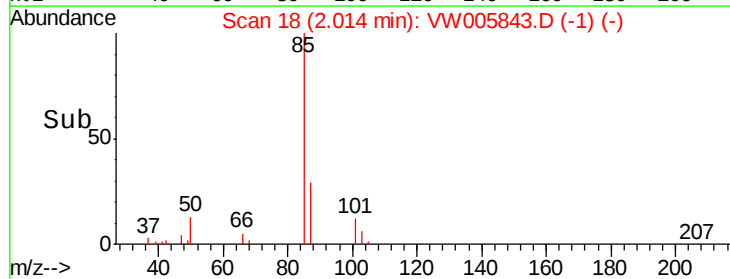
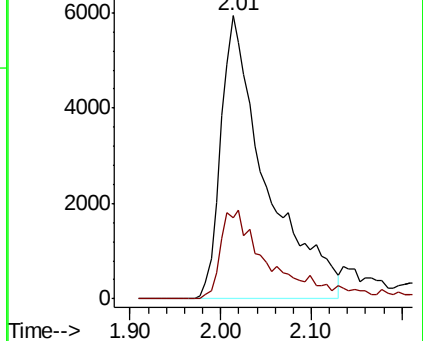
85 100

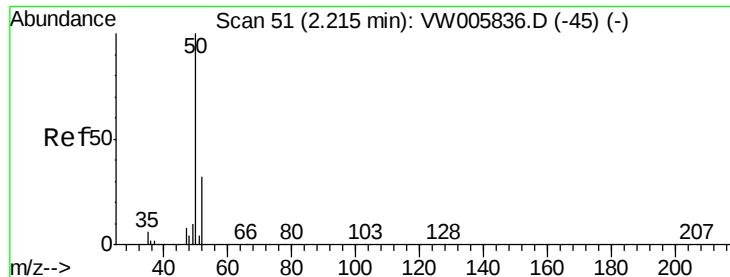
87 28.5 14.8 44.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 19.670 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW005843.D

Acq: 04 Oct 2018 08:21

Instrument :

MSVOA_W

ClientSampleId :

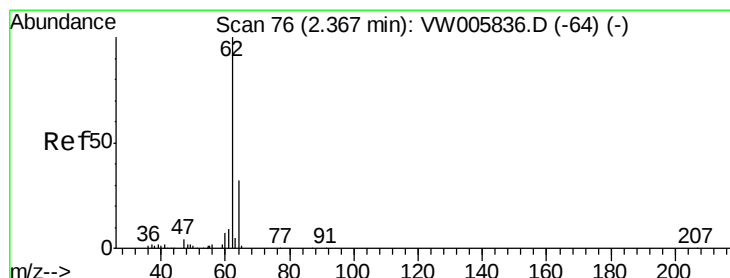
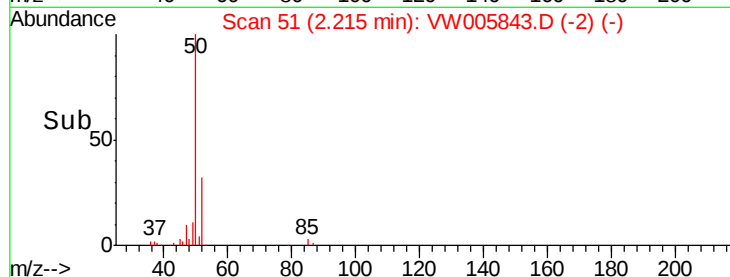
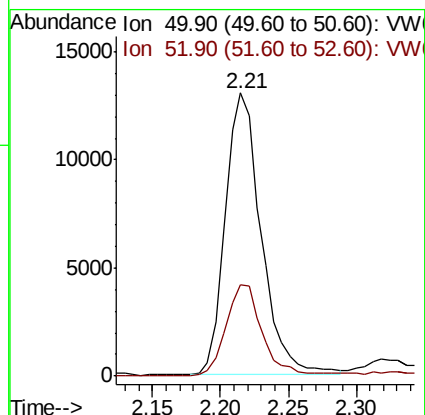
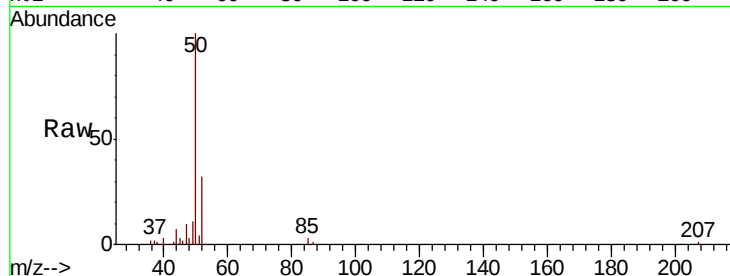
VW1004SBSD01

Tot Ion: 50 Resp: 23945

Ion Ratio Lower Upper

50 100

52 32.3 26.0 39.0



#4

Vinyl Chloride

Concen: 20.440 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW005843.D

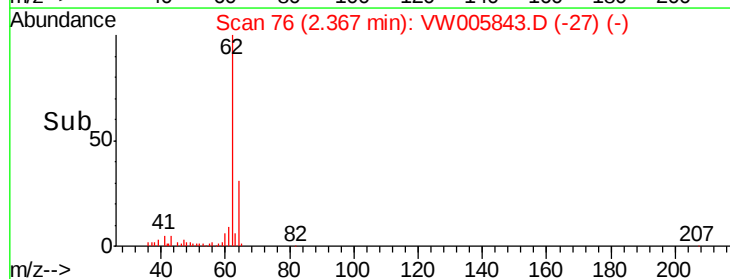
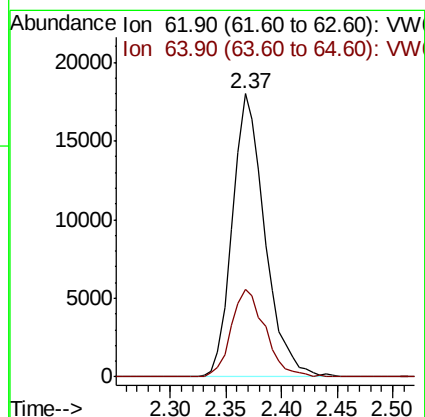
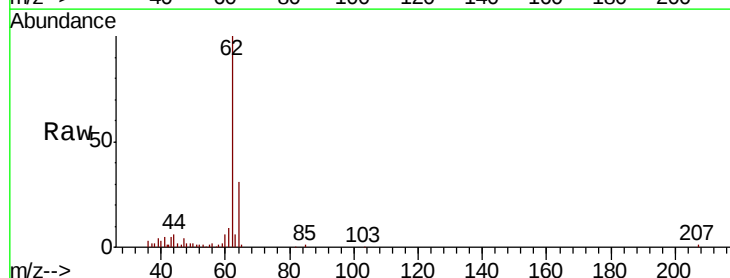
Acq: 04 Oct 2018 08:21

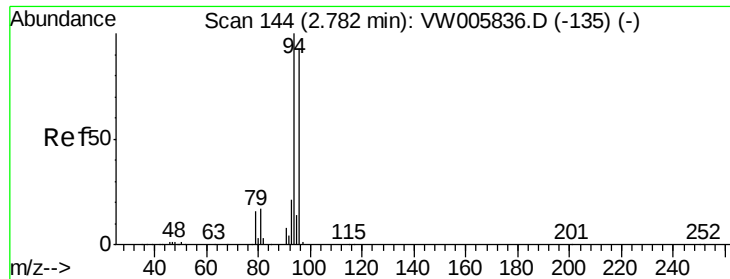
Tgt Ion: 62 Resp: 36436

Ion Ratio Lower Upper

62 100

64 30.7 25.7 38.5





#5

Bromomethane

Concen: 19.537 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW005843.D

Acq: 04 Oct 2018 08:21

Instrument :

MSVOA_W

ClientSampleId :

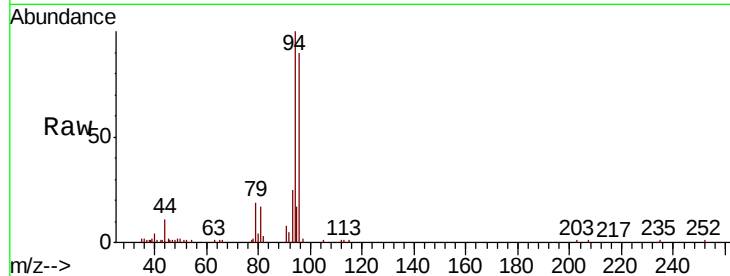
VW1004SBSD01

Tot Ion: 94 Resp: 24270

Ion Ratio Lower Upper

94 100

96 90.3 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.78

12000

10000

8000

6000

4000

2000

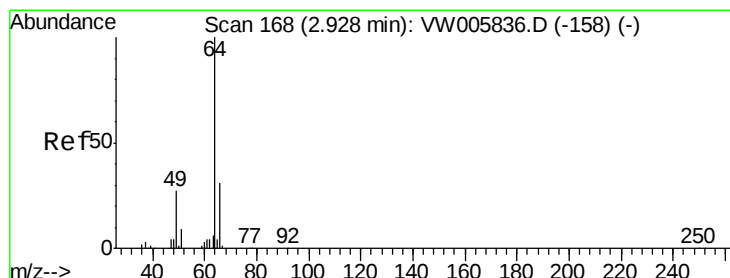
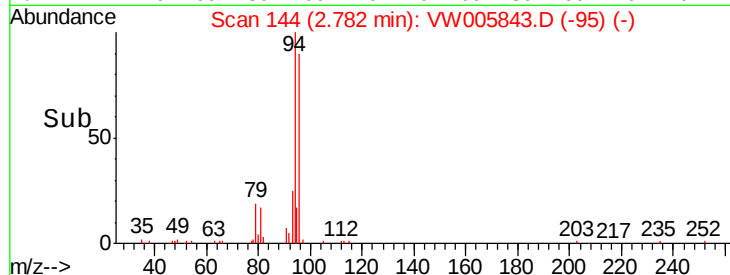
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Time-->

2.70

2.80

2.90



#6

Chloroethane

Concen: 20.909 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW005843.D

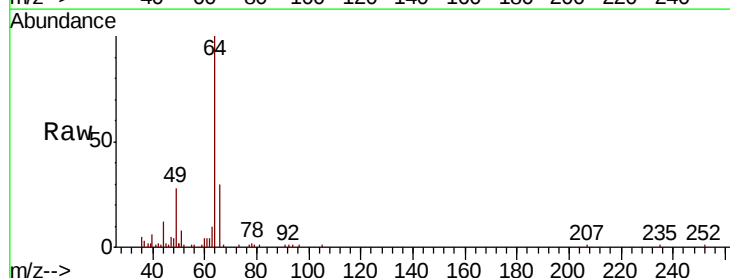
Acq: 04 Oct 2018 08:21

Tgt Ion: 64 Resp: 22795

Ion Ratio Lower Upper

64 100

66 29.6 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

10000

8000

6000

4000

2000

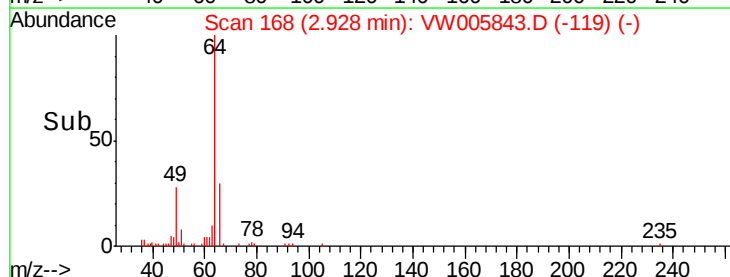
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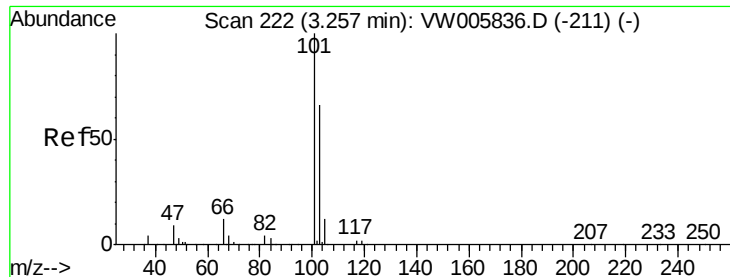
Time-->

2.80

2.90

3.00



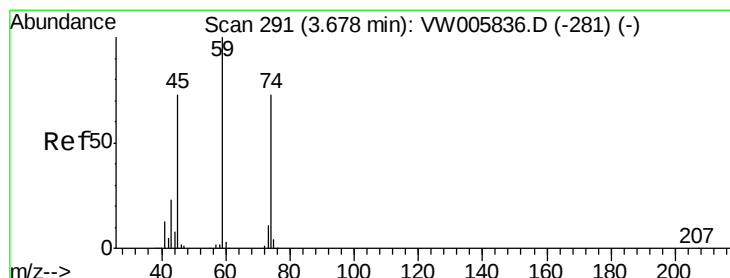
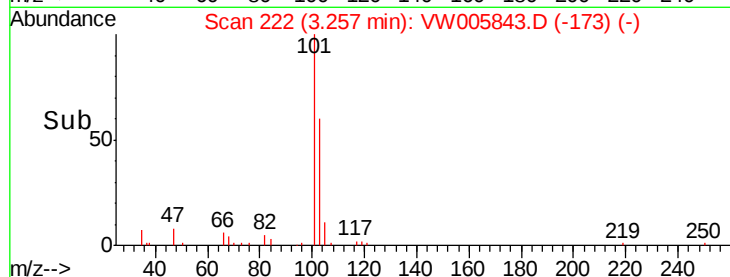
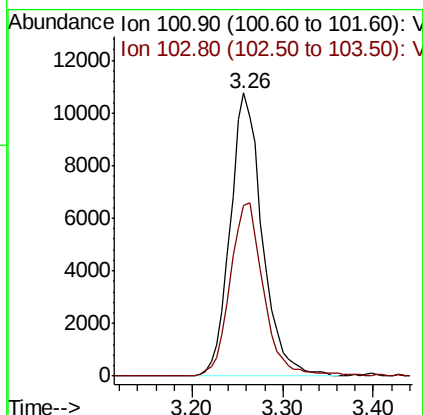
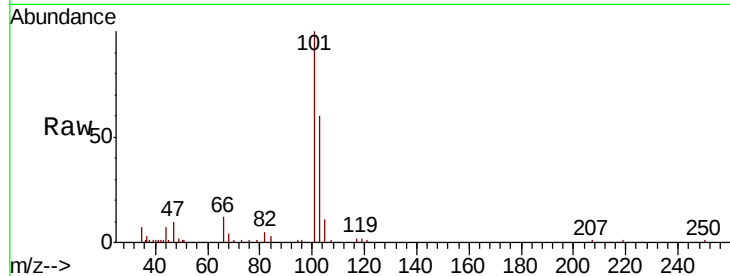


#7

Trichlorofluoromethane
 Concen: 21.542 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW005843.D
 Acq: 04 Oct 2018 08:21

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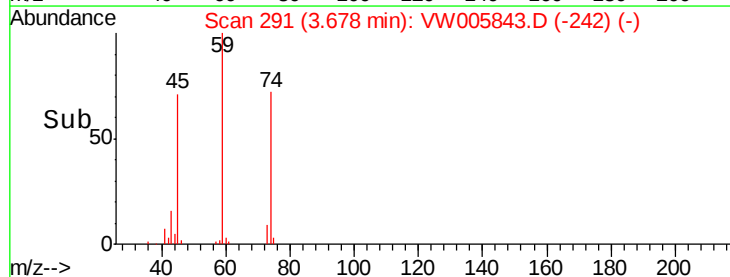
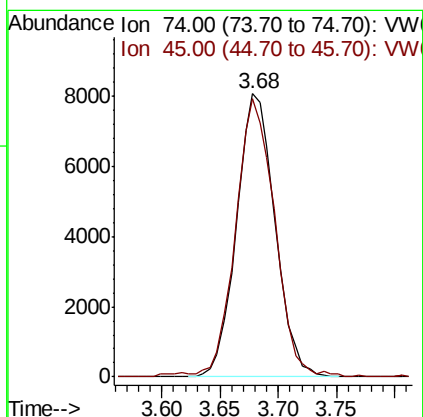
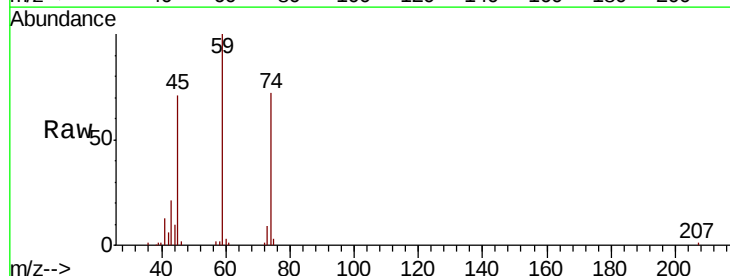
Tot Ion:101 Resp: 26409
 Ion Ratio Lower Upper
 101 100
 103 60.3 52.5 78.7

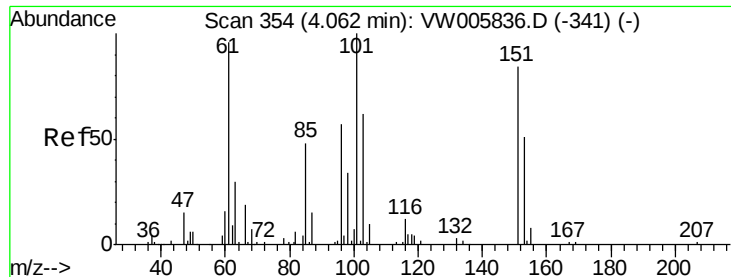


#8

Diethyl Ether
 Concen: 19.980 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW005843.D
 Acq: 04 Oct 2018 08:21

Tgt Ion: 74 Resp: 18574
 Ion Ratio Lower Upper
 74 100
 45 100.8 49.1 147.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.985 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW005843.D

Acq: 04 Oct 2018 08:21

Instrument :

MSVOA_W

ClientSampleId :

VW1004SBSD01

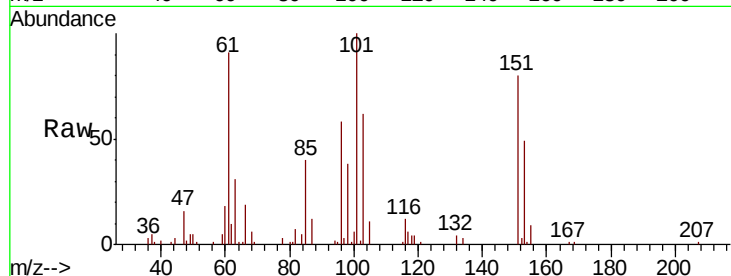
Tot Ion:101 Resp: 35580

Ion Ratio Lower Upper

101 100

85 45.6 35.5 53.3

151 83.7 67.4 101.2

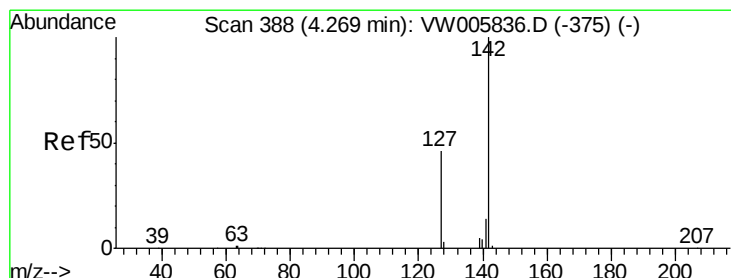
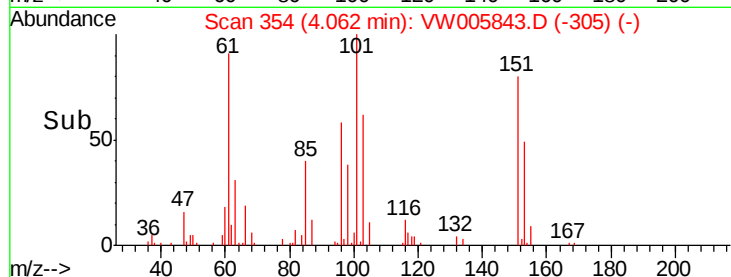
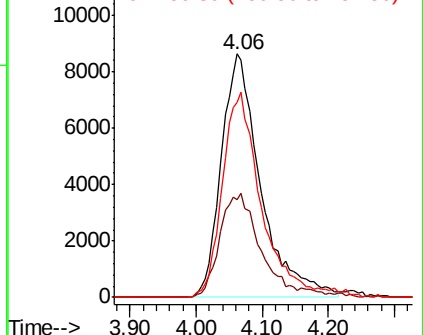


Abundance

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: 20.360 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW005843.D

Acq: 04 Oct 2018 08:21

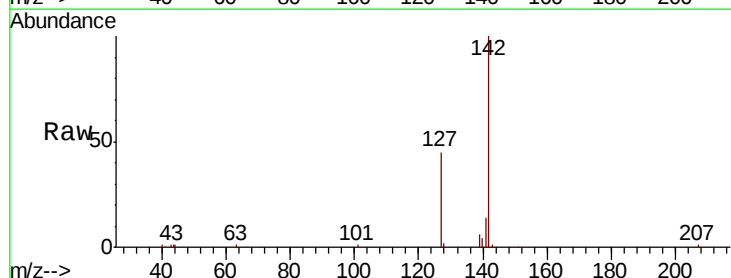
Tgt Ion:142 Resp: 56015

Ion Ratio Lower Upper

142 100

127 45.3 37.4 56.0

141 14.6 12.2 18.2

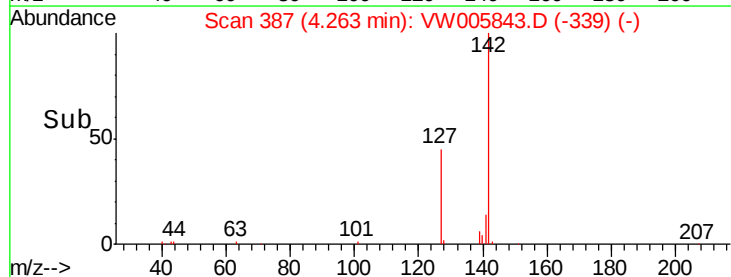
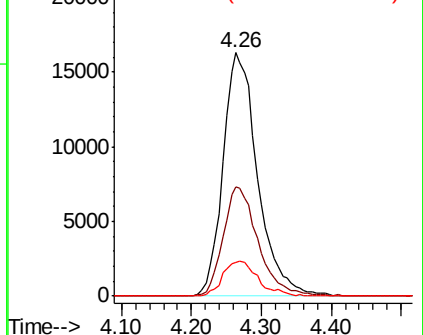


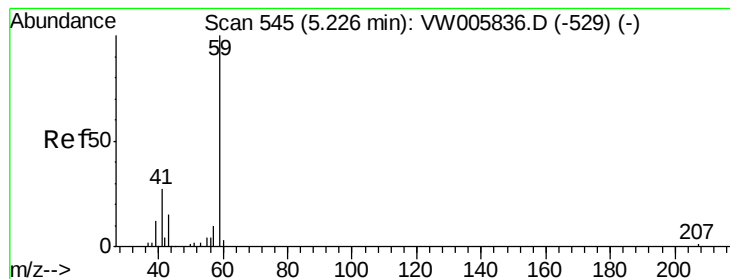
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



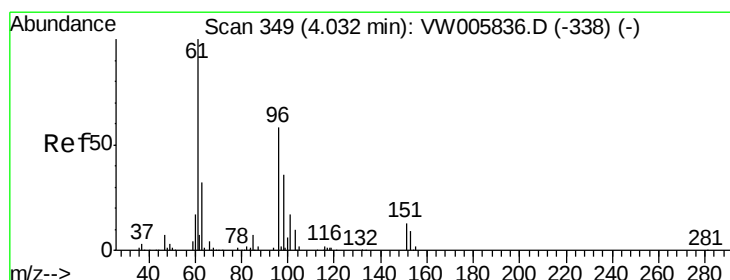
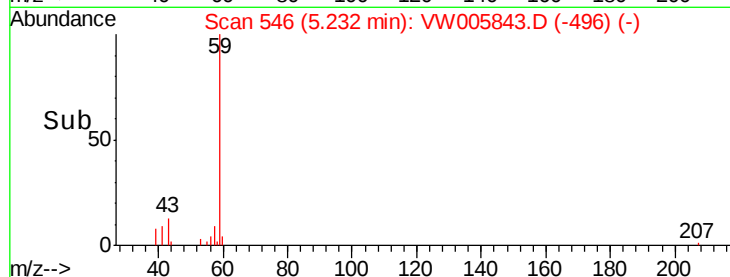
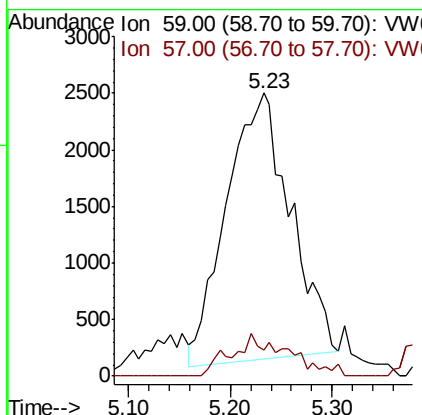
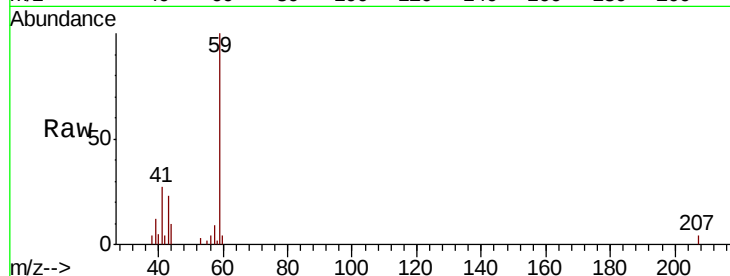


#11

Tert butyl alcohol
Concen: 79.204 ug/l
RT: 5.23 min Scan# 546
Delta R.T. 0.01 min
Lab File: VW005843.D
Acq: 04 Oct 2018 08:21

Instrument :
MSVOA_W
ClientSampleId :
VW1004SBSD01

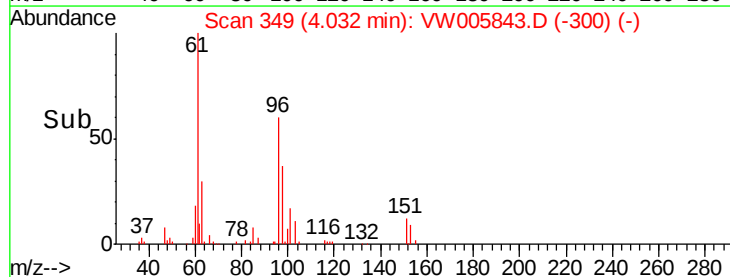
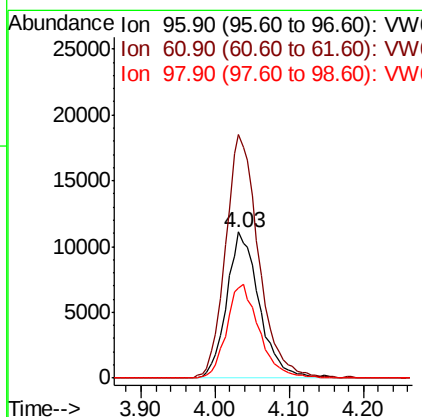
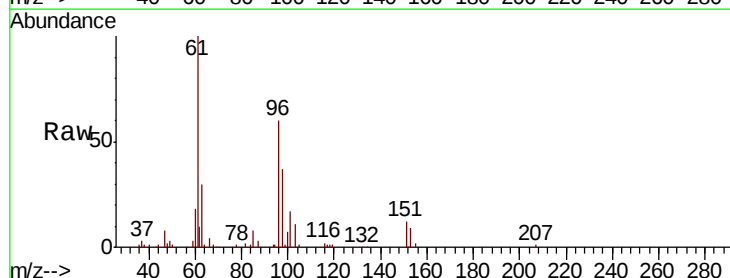
Tot Ion: 59 Resp: 10278
Ion Ratio Lower Upper
59 100
57 0.0 4.9 7.3#

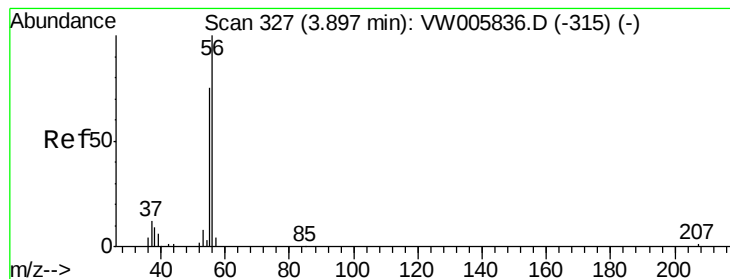


#12

1,1-Dichloroethene
Concen: 20.531 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.00 min
Lab File: VW005843.D
Acq: 04 Oct 2018 08:21

Tgt Ion: 96 Resp: 34109
Ion Ratio Lower Upper
96 100
61 166.7 138.8 208.2
98 61.2 50.6 75.8





#13

Acrolein

Concen: 109.096 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.00 min

Lab File: VW005843.D

Acq: 04 Oct 2018 08:21

Instrument :

MSVOA_W

ClientSampleId :

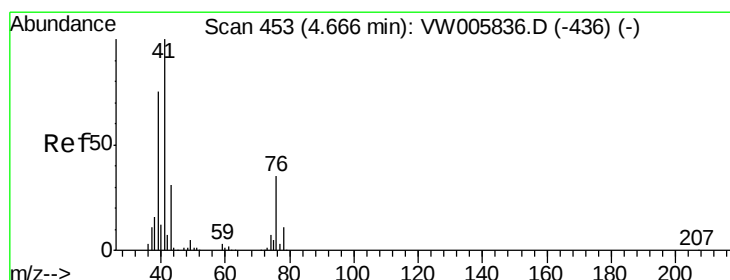
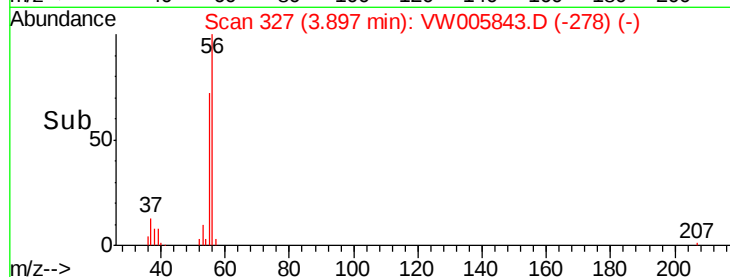
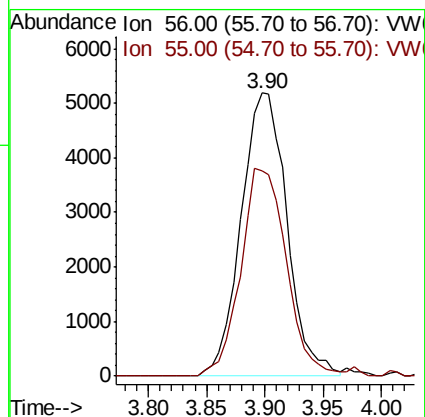
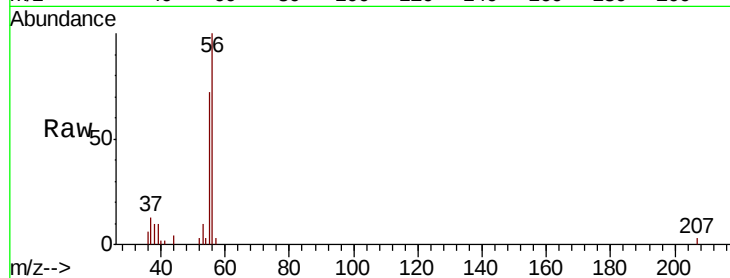
VW1004SBSD01

Tot Ion: 56 Resp: 14224

Ion Ratio Lower Upper

56 100

55 73.0 59.2 88.8



#14

Allyl chloride

Concen: 19.897 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW005843.D

Acq: 04 Oct 2018 08:21

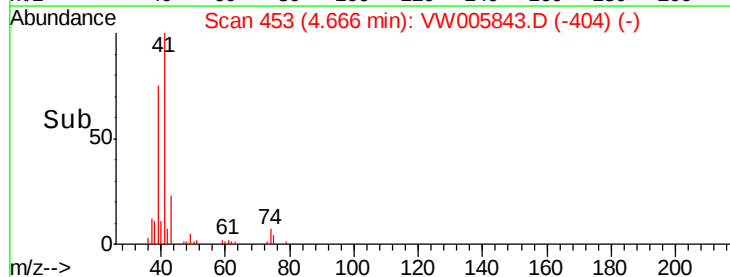
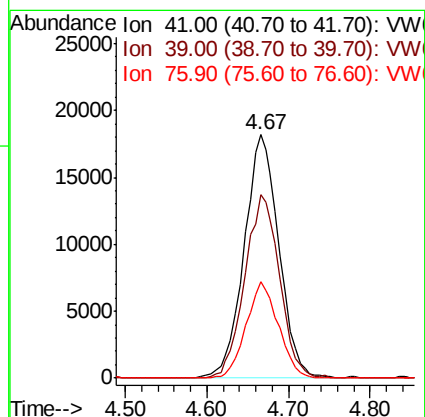
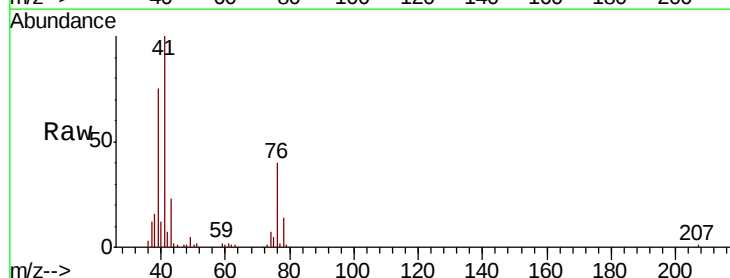
Tgt Ion: 41 Resp: 53648

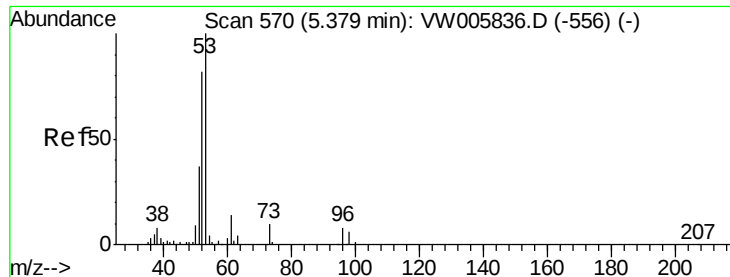
Ion Ratio Lower Upper

41 100

39 75.7 60.3 90.5

76 36.9 28.9 43.3





#15

Acrylonitrile

Concen: 90.911 ug/l

RT: 5.38 min Scan# 570

Delta R.T. -0.00 min

Lab File: VW005843.D

Acq: 04 Oct 2018 08:21

Instrument :

MSVOA_W

ClientSampleId :

VW1004SBSD01

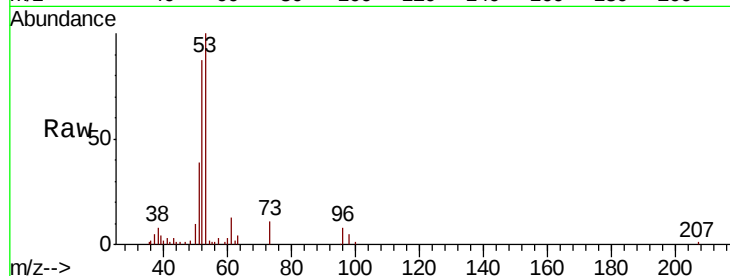
Tot Ion: 53 Resp: 35814

Ion Ratio Lower Upper

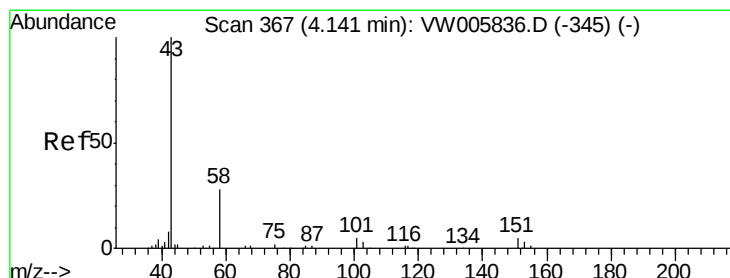
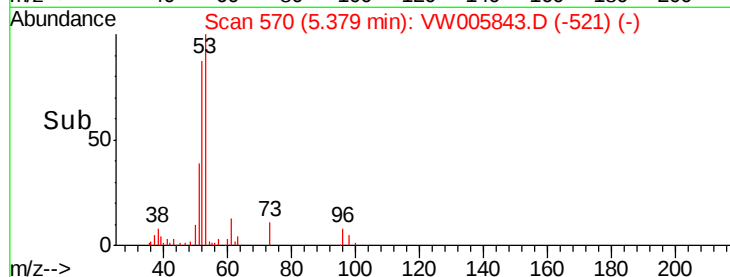
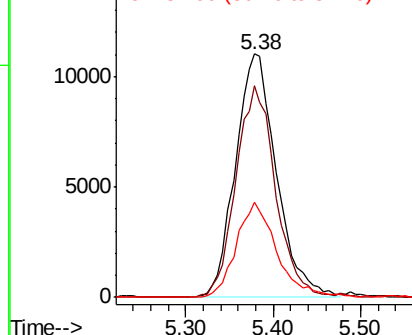
53 100

52 83.8 67.3 100.9

51 38.6 30.2 45.2



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



#16

Acetone

Concen: 101.495 ug/l

RT: 4.14 min Scan# 367

Delta R.T. -0.00 min

Lab File: VW005843.D

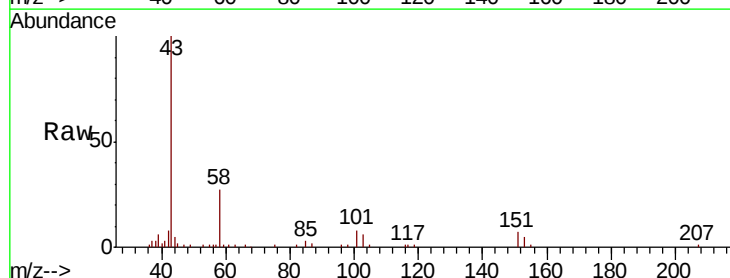
Acq: 04 Oct 2018 08:21

Tgt Ion: 43 Resp: 36350

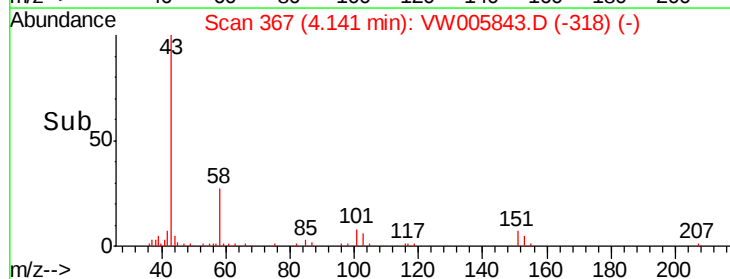
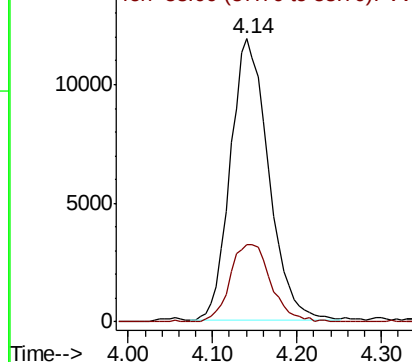
Ion Ratio Lower Upper

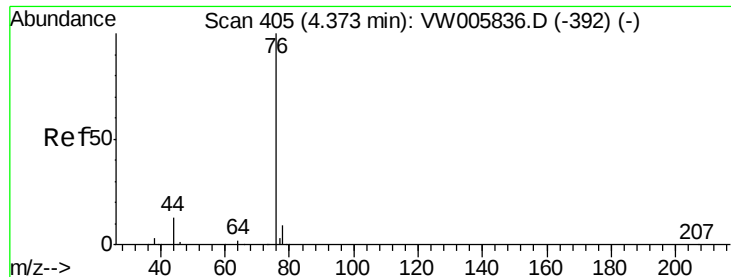
43 100

58 27.4 23.0 34.4



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





#17

Carbon Disulfide

Concen: 19.284 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW005843.D

Acq: 04 Oct 2018 08:21

Instrument :

MSVOA_W

ClientSampleId :

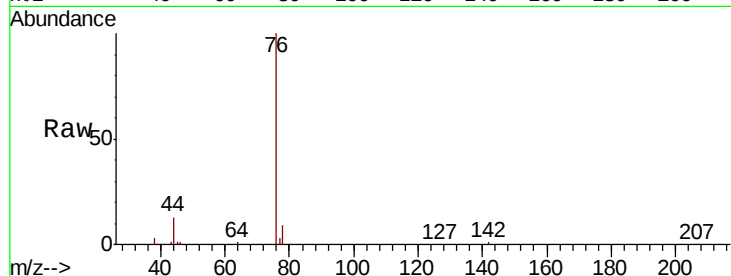
VW1004SBSD01

Tot Ion: 76 Resp: 101299

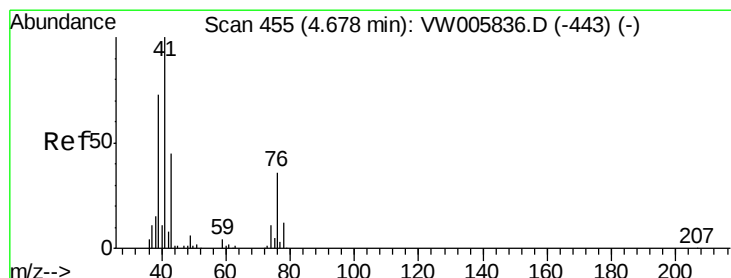
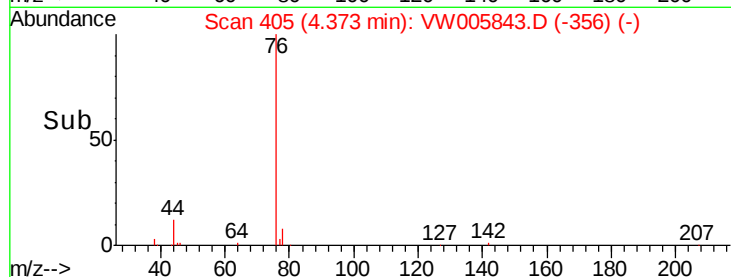
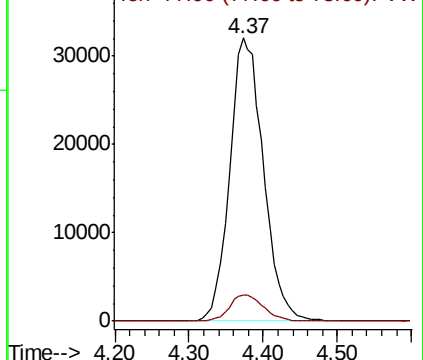
Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VW
Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 19.001 ug/l

RT: 4.68 min Scan# 456

Delta R.T. 0.01 min

Lab File: VW005843.D

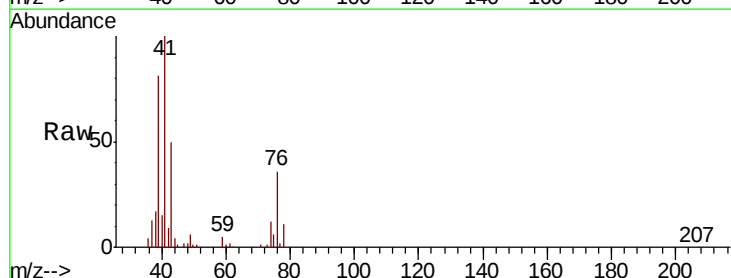
Acq: 04 Oct 2018 08:21

Tgt Ion: 43 Resp: 19354

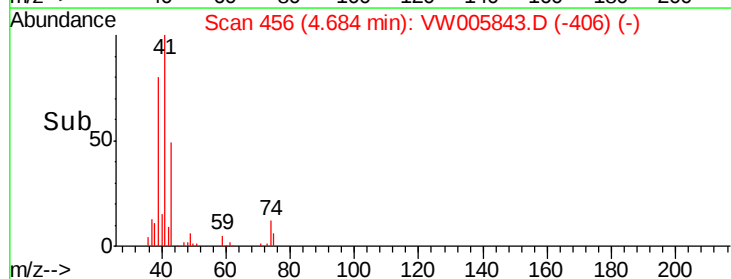
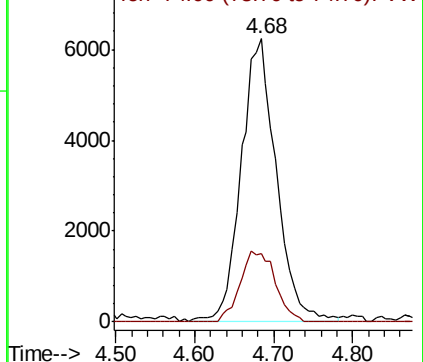
Ion Ratio Lower Upper

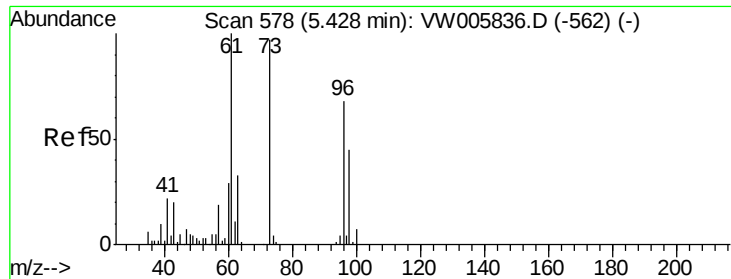
43 100

74 24.9 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 74.00 (73.70 to 74.70): VW

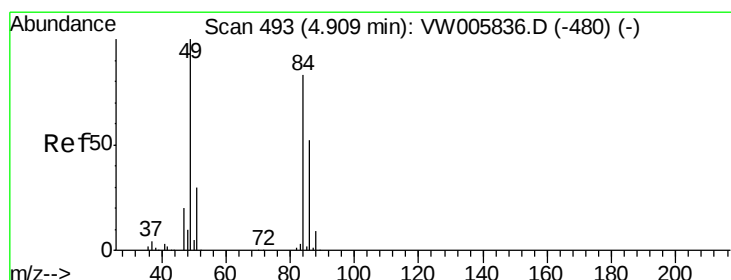
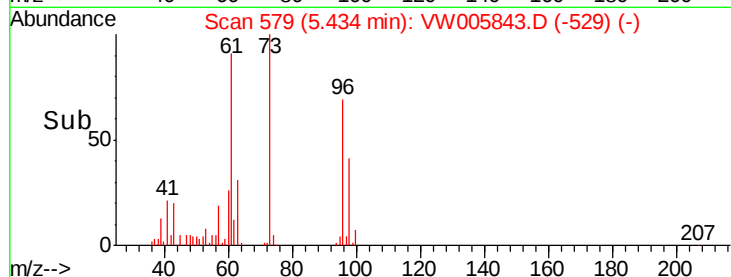
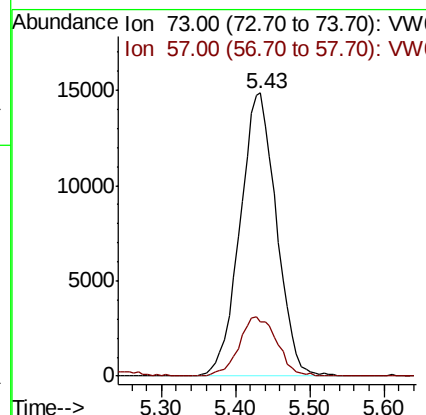
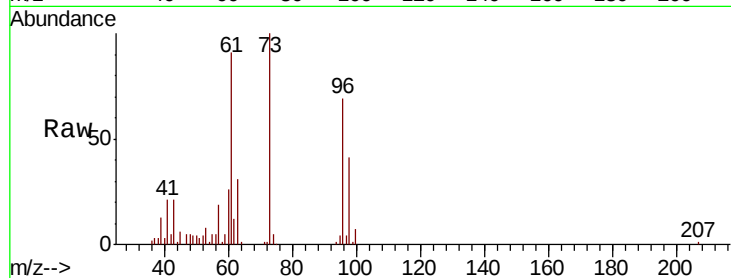




#19
Methvl tert-butvl Ether
Concen: 19.522 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.01 min
Lab File: VW005843.D
Acq: 04 Oct 2018 08:21

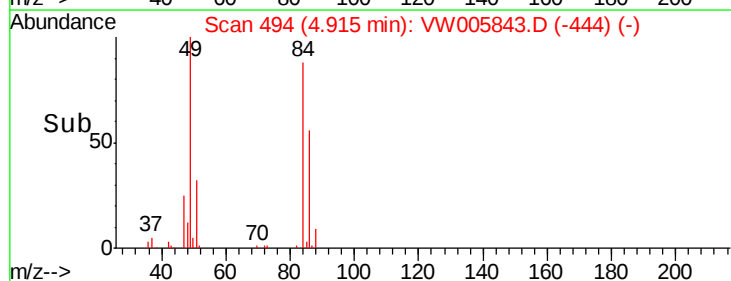
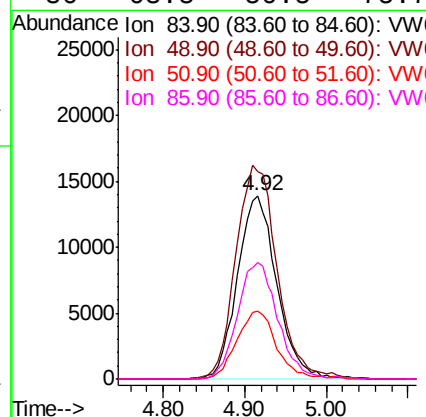
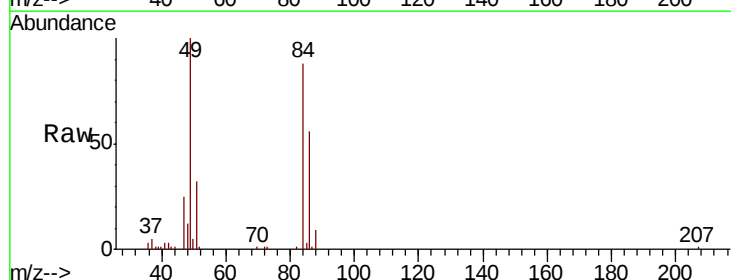
Instrument :
MSVOA_W
ClientSampleId :
VW1004SBSD01

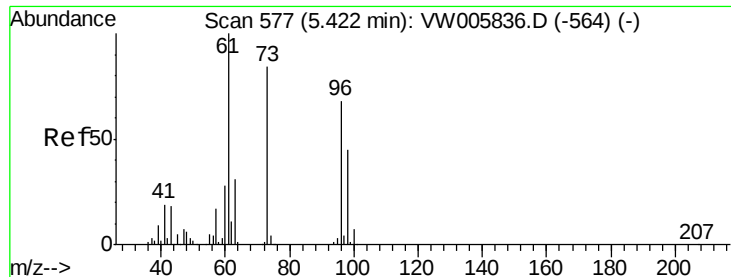
Tot Ion: 73 Resp: 50917
Ion Ratio Lower Upper
73 100
57 19.3 15.9 23.9



#20
Methylene Chloride
Concen: 18.927 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW005843.D
Acq: 04 Oct 2018 08:21

Tgt Ion: 84 Resp: 46467
Ion Ratio Lower Upper
84 100
49 112.9 96.8 145.2
51 36.8 28.8 43.2
86 63.8 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 19.071 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW005843.D

Acq: 04 Oct 2018 08:21

Instrument :

MSVOA_W

ClientSampleId :

VW1004SBSD01

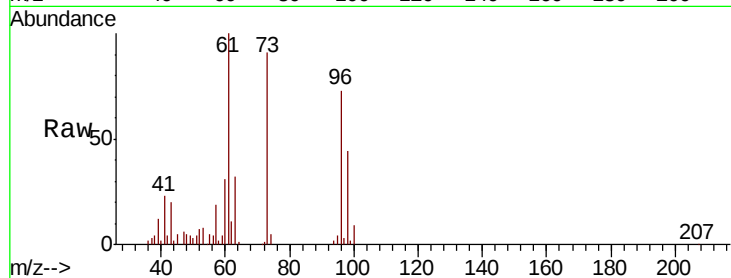
Tot Ion: 96 Resp: 34582

Ion Ratio Lower Upper

96 100

61 136.3 117.0 175.6

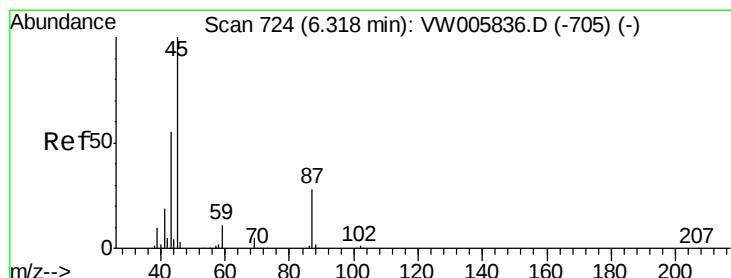
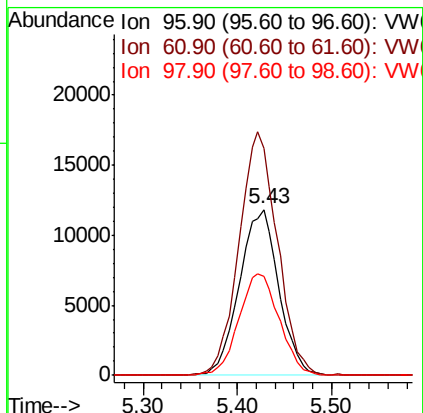
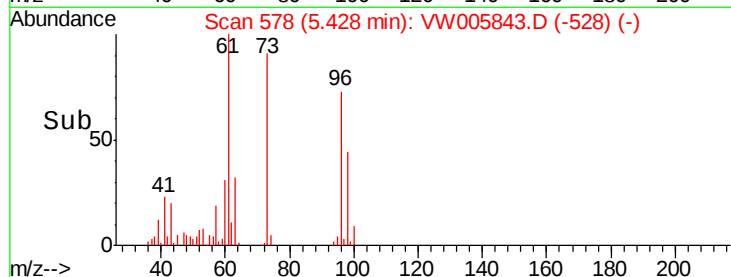
98 59.4 52.2 78.2



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: 18.789 ug/l

RT: 6.32 min Scan# 724

Delta R.T. -0.00 min

Lab File: VW005843.D

Acq: 04 Oct 2018 08:21

Tgt Ion: 45 Resp: 99420

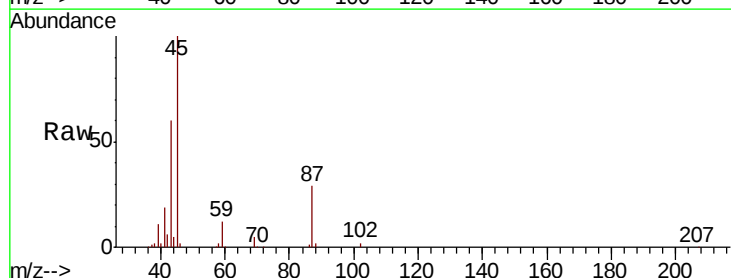
Ion Ratio Lower Upper

45 100

43 58.8 44.6 67.0

87 28.6 23.4 35.2

59 12.4 9.0 13.6

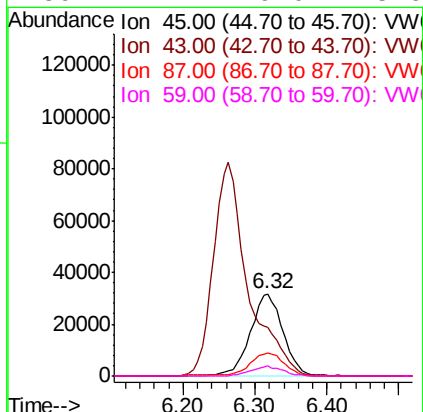
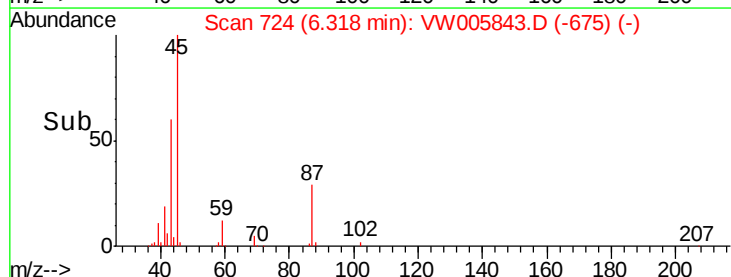


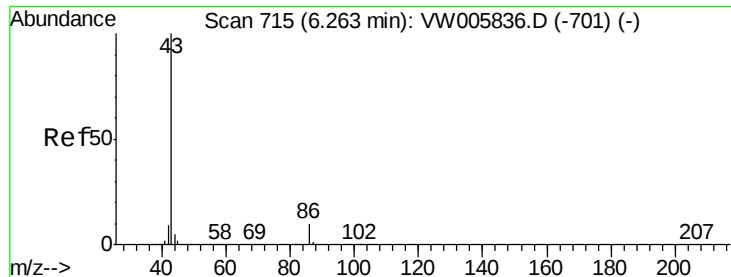
Abundance Ion 45.00 (44.70 to 45.70): VW

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: 91.691 ug/l

RT: 6.26 min Scan# 715

Delta R.T. -0.00 min

Lab File: VW005843.D

Acq: 04 Oct 2018 08:21

Instrument :

MSVOA_W

ClientSampleId :

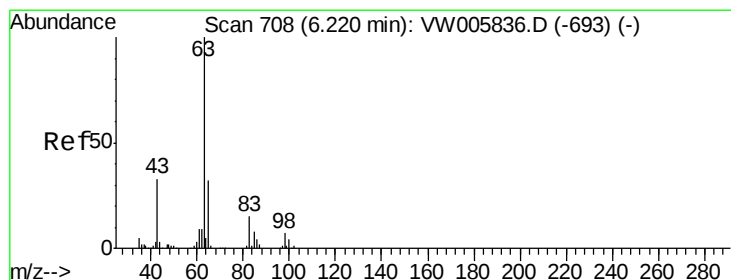
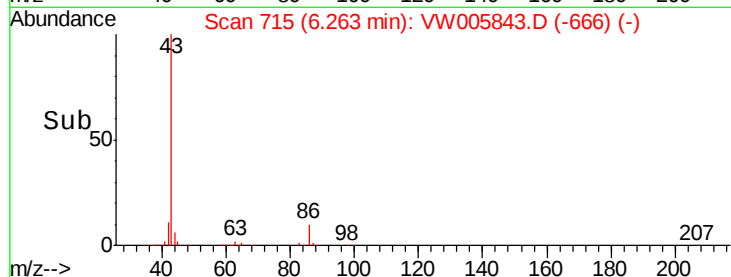
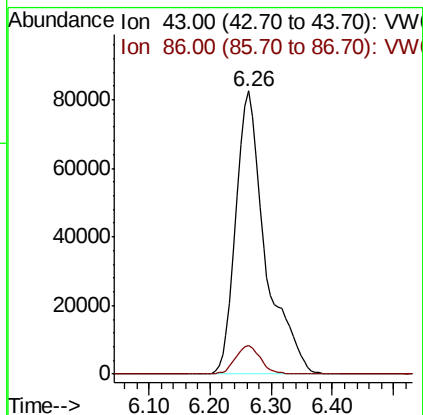
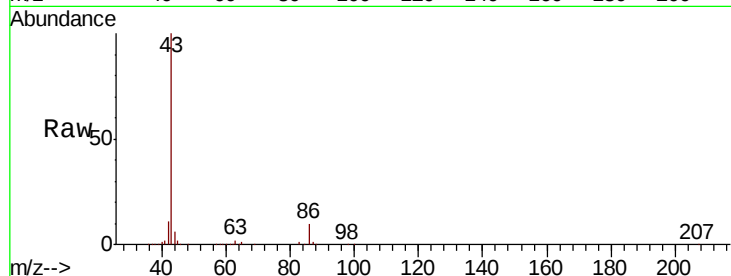
VW1004SBSD01

Tot Ion: 43 Resp: 275611

Ion Ratio Lower Upper

43 100

86 10.3 8.1 12.1



#24

1,1-Dichloroethane

Concen: 18.743 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW005843.D

Acq: 04 Oct 2018 08:21

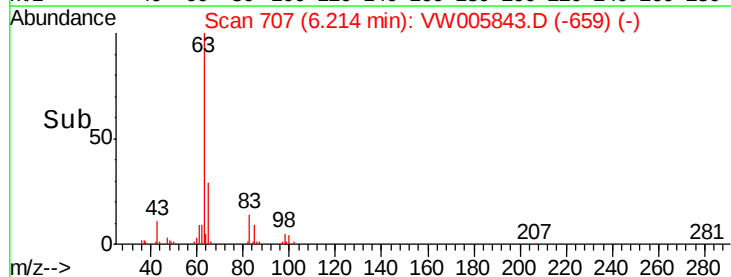
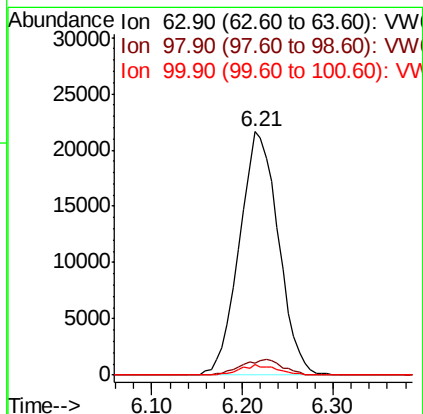
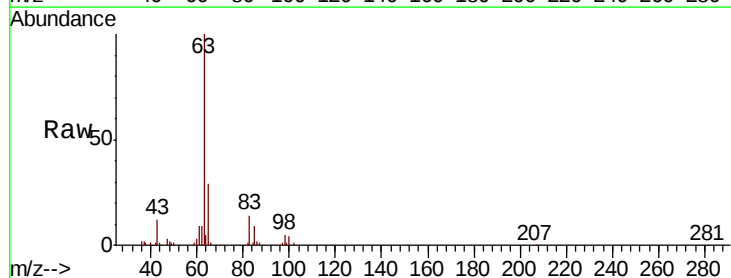
Tgt Ion: 63 Resp: 64355

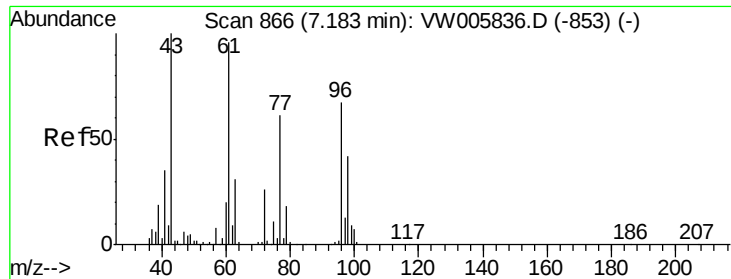
Ion Ratio Lower Upper

63 100

98 4.8 3.5 10.5

100 4.2 2.0 6.0





#25

2-Butanone

Concen: 89.988 ug/l

RT: 7.18 min Scan# 866

Delta R.T. -0.00 min

Lab File: VW005843.D

Acq: 04 Oct 2018 08:21

Instrument :

MSVOA_W

ClientSampleId :

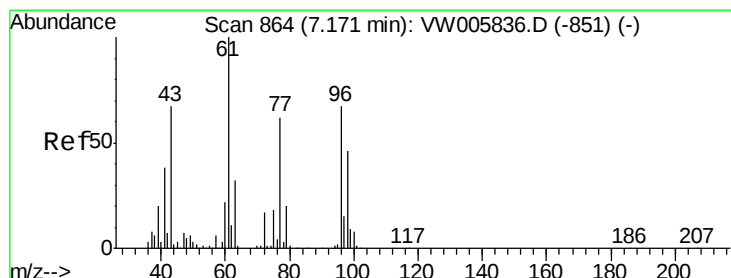
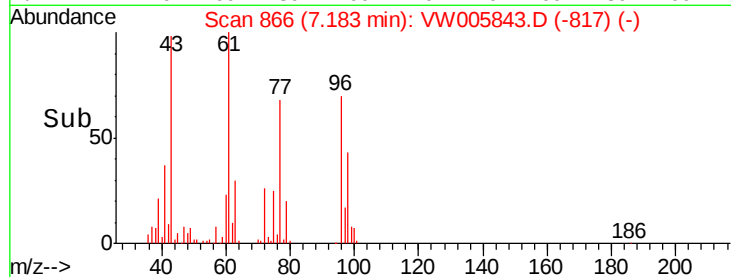
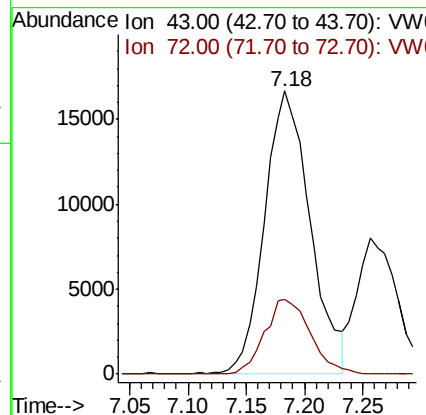
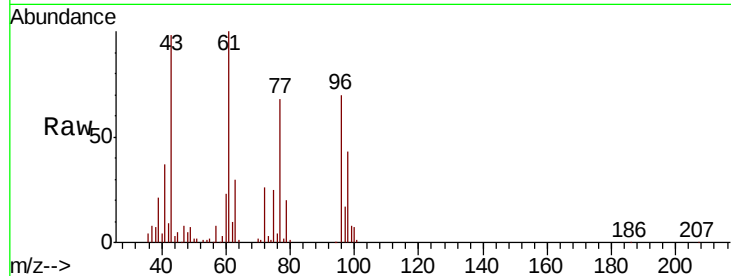
VW1004SBSD01

Tot Ion: 43 Resp: 45336

Ion Ratio Lower Upper

43 100

72 26.5 20.9 31.3



#26

2,2-Dichloropropane

Concen: 19.151 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW005843.D

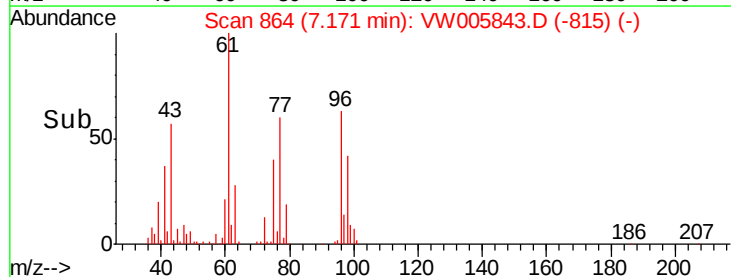
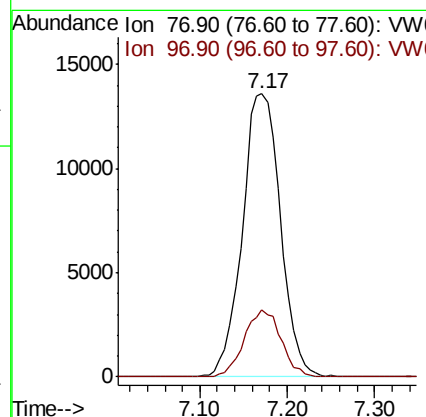
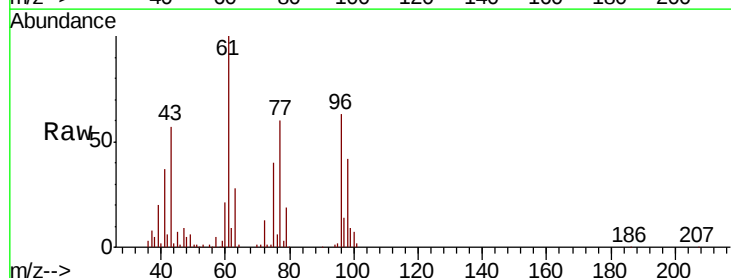
Acq: 04 Oct 2018 08:21

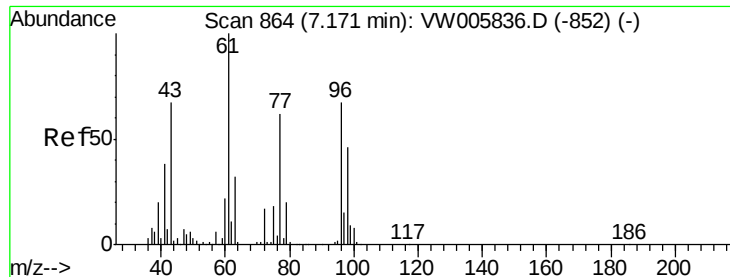
Tgt Ion: 77 Resp: 41057

Ion Ratio Lower Upper

77 100

97 22.9 11.7 35.0



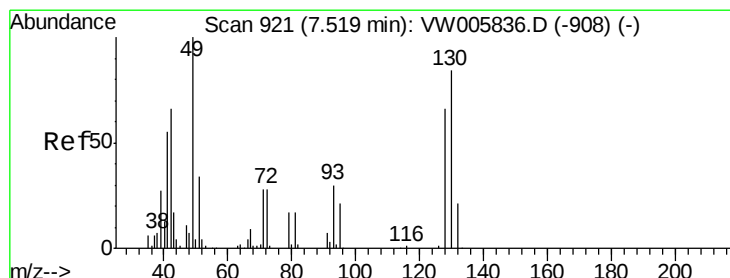
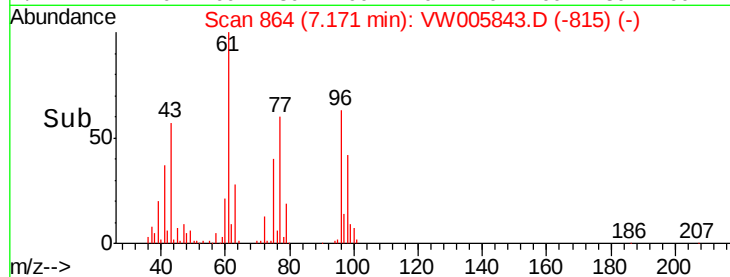
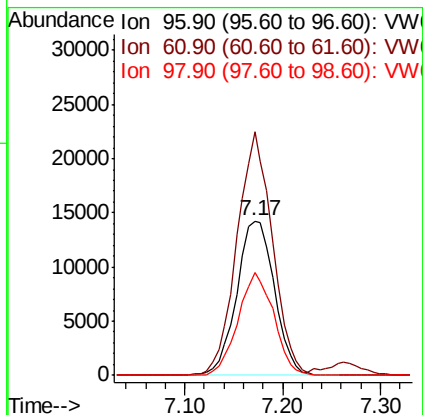
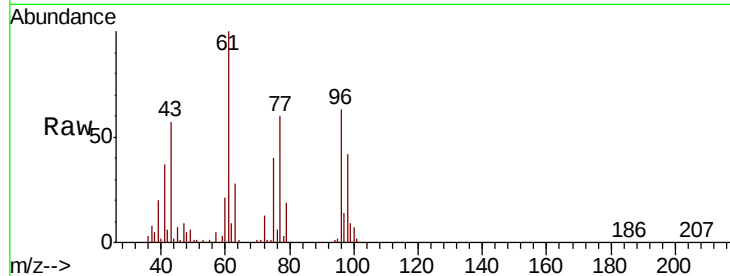


#27

cis-1,2-Dichloroethene
 Concen: 18.799 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW005843.D
 Acq: 04 Oct 2018 08:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1004SBSD01

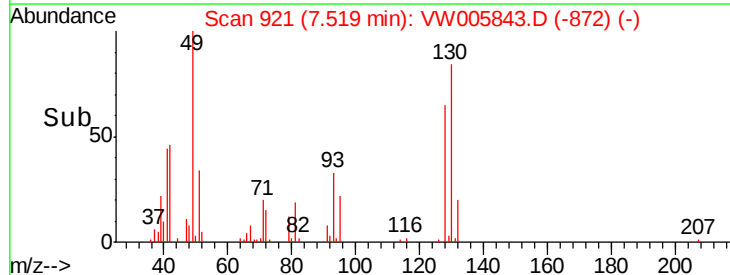
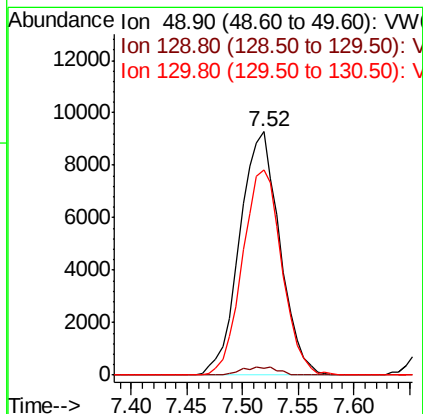
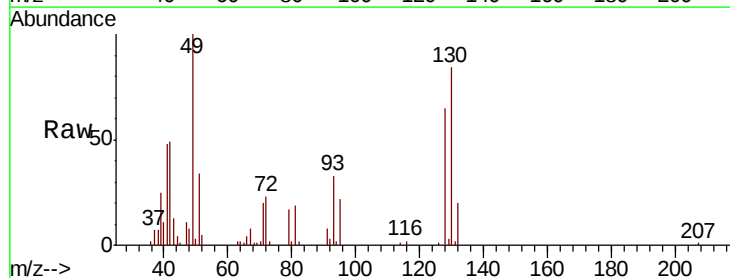
Tot Ion	96	Resp	37998
Ion	Ratio	Lower	Upper
96	100		
61	148.6	0.0	296.4
98	63.4	0.0	131.4

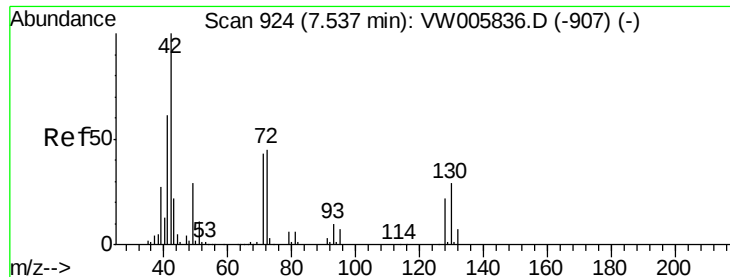


#28

Bromochloromethane
 Concen: 19.166 ug/l
 RT: 7.52 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VW005843.D
 Acq: 04 Oct 2018 08:21

Tgt Ion	49	Resp	23243
Ion	Ratio	Lower	Upper
49	100		
129	2.9	0.0	2.2#
130	83.1	66.4	99.6





#29

Tetrahydrofuran

Concen: 87.714 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW005843.D

Acq: 04 Oct 2018 08:21

Instrument :

MSVOA_W

ClientSampleId :

VW1004SBSD01

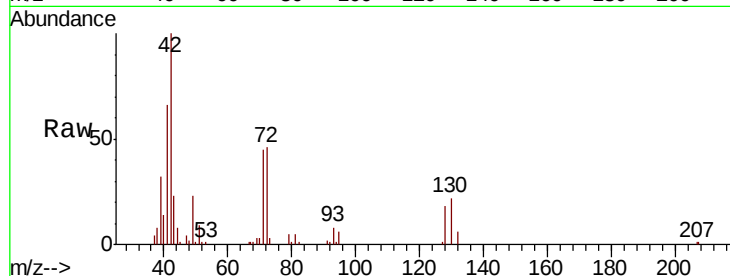
Tot Ion: 42 Resp: 27280

Ion Ratio Lower Upper

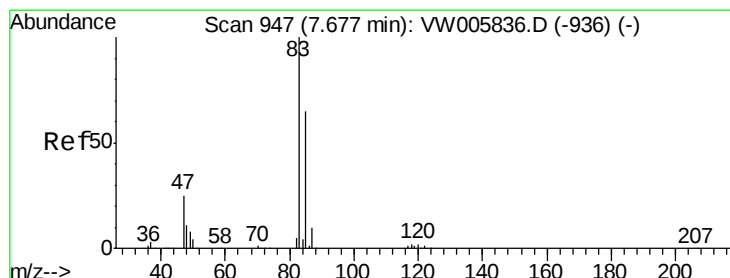
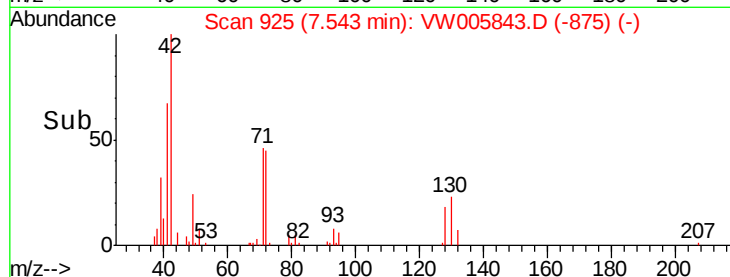
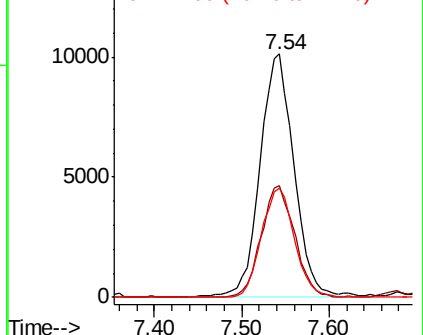
42 100

72 45.0 34.6 51.8

71 43.6 33.6 50.4



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



#30

Chloroform

Concen: 18.625 ug/l

RT: 7.68 min Scan# 947

Delta R.T. -0.00 min

Lab File: VW005843.D

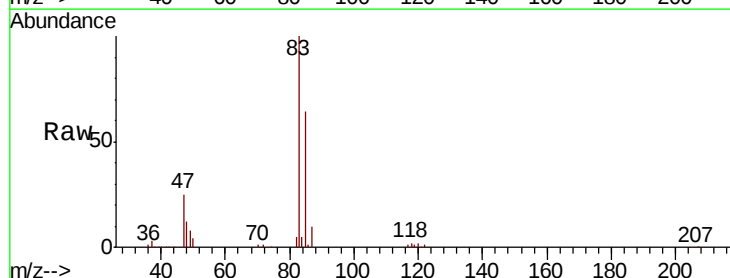
Acq: 04 Oct 2018 08:21

Tgt Ion: 83 Resp: 68534

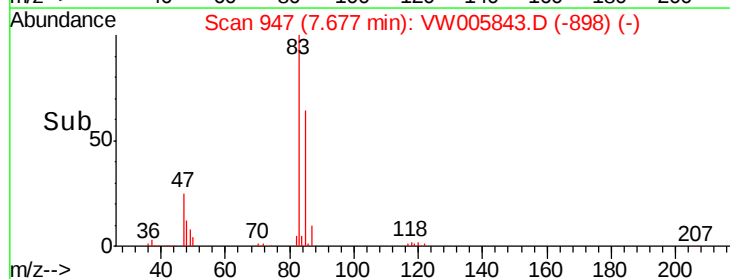
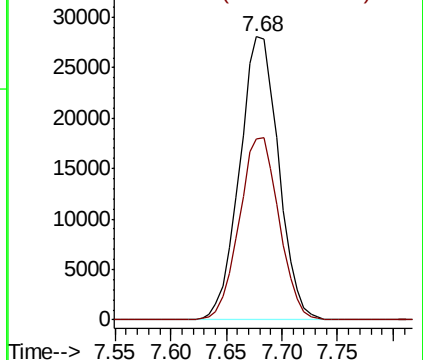
Ion Ratio Lower Upper

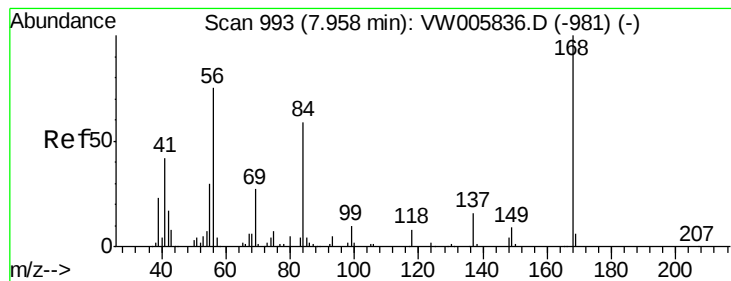
83 100

85 63.9 51.6 77.4



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





#31

Cyclohexane

Concen: 18.540 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW005843.D

Acq: 04 Oct 2018 08:21

Instrument :

MSVOA_W

ClientSampleId :

VW1004SBSD01

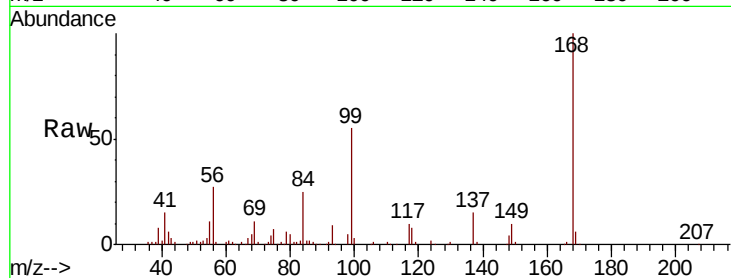
Tot Ion: 56 Resp: 54419

Ion Ratio Lower Upper

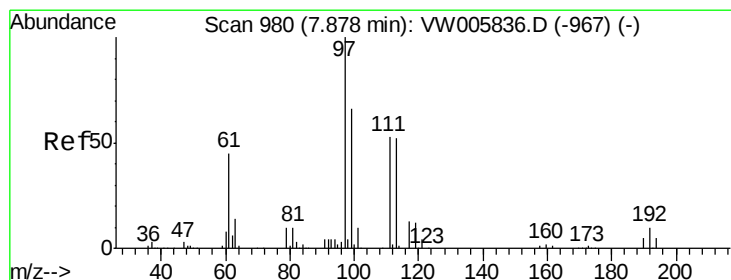
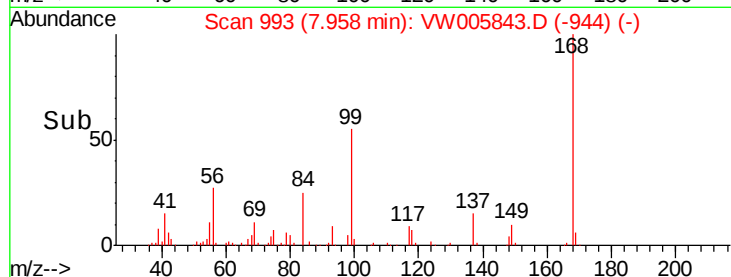
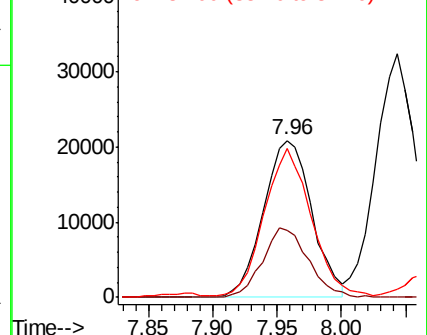
56 100

69 42.5 29.0 43.4

84 92.3 63.5 95.3



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



#32

1,1,1-Trichloroethane

Concen: 19.817 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.01 min

Lab File: VW005843.D

Acq: 04 Oct 2018 08:21

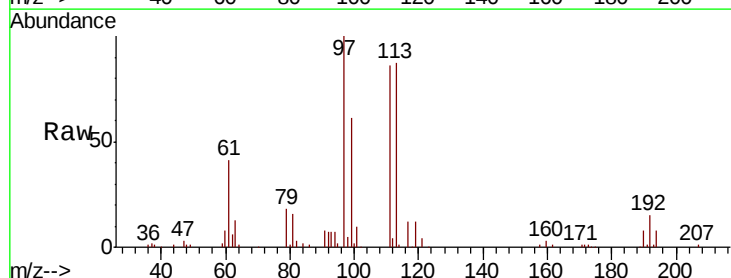
Tgt Ion: 97 Resp: 62236

Ion Ratio Lower Upper

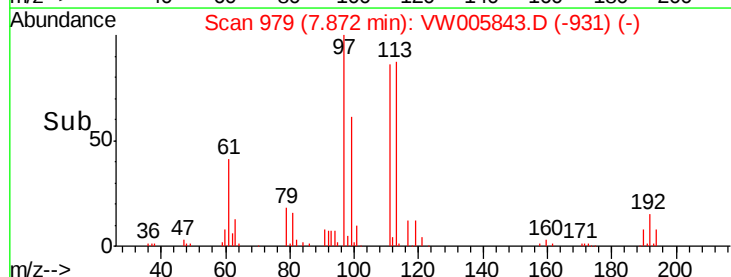
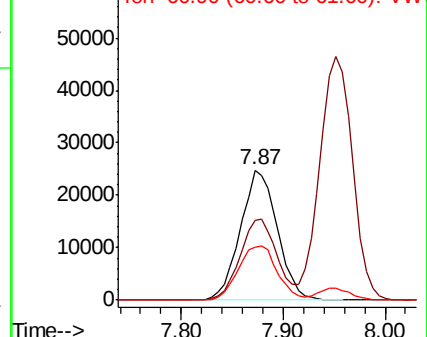
97 100

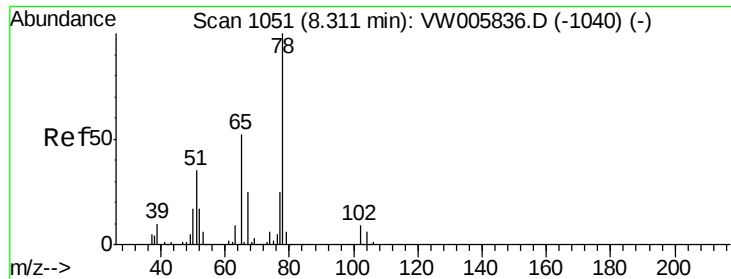
99 63.6 51.2 76.8

61 44.2 35.5 53.3



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

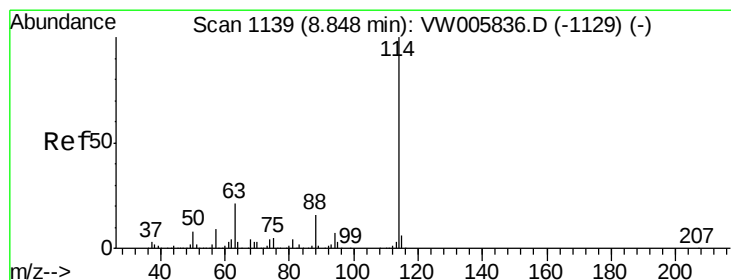
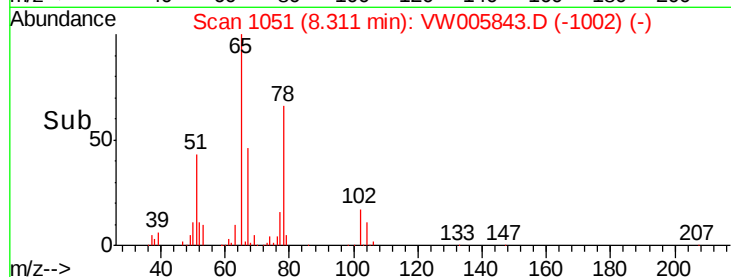
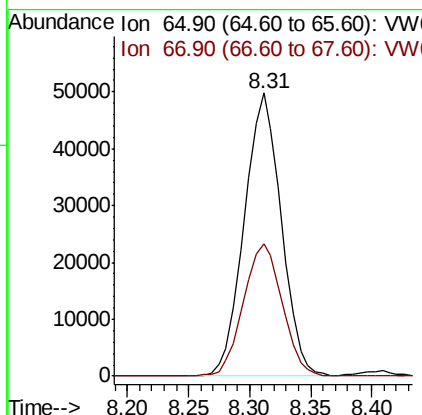
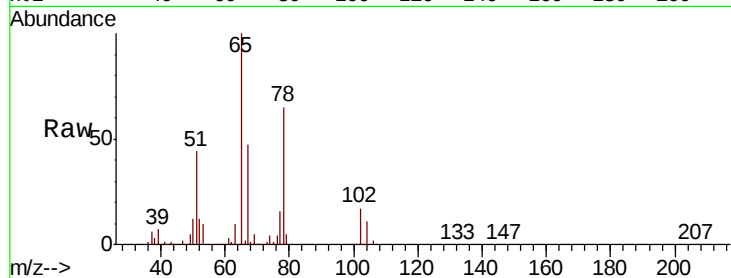




#33
 1,2-Dichloroethane-d4
 Concen: 48.795 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW005843.D
 Acq: 04 Oct 2018 08:21

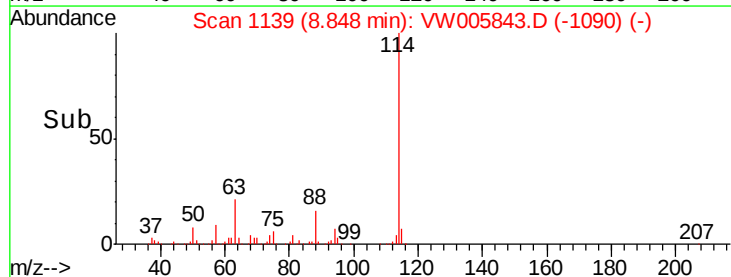
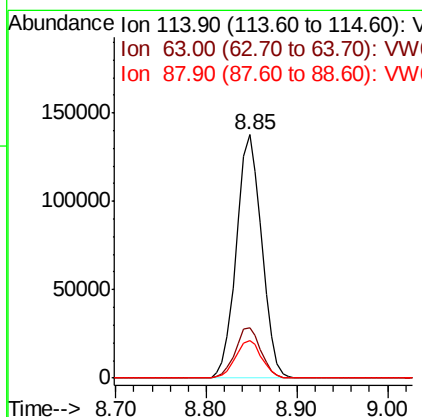
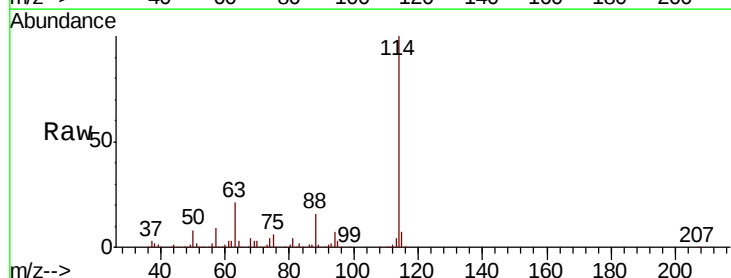
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1004SBSD01

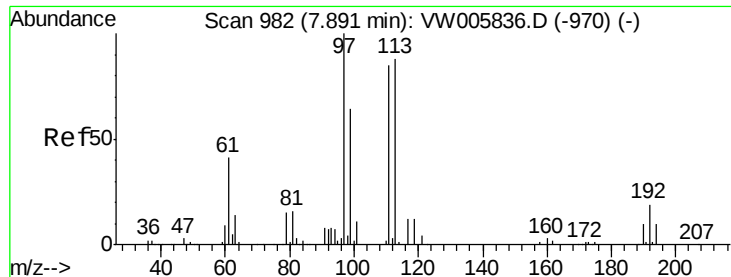
Tot Ion: 65 Resp: 104715
 Ion Ratio Lower Upper
 65 100
 67 49.0 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005843.D
 Acq: 04 Oct 2018 08:21

Tgt Ion: 114 Resp: 266419
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 42.0
 88 15.5 0.0 31.2





#35

Dibromofluoromethane

Concen: 49.047 ug/l

RT: 7.89 min Scan# 982

Delta R.T. -0.00 min

Lab File: VW005843.D

Acq: 04 Oct 2018 08:21

Instrument :

MSVOA_W

ClientSampleId :

VW1004SBSD01

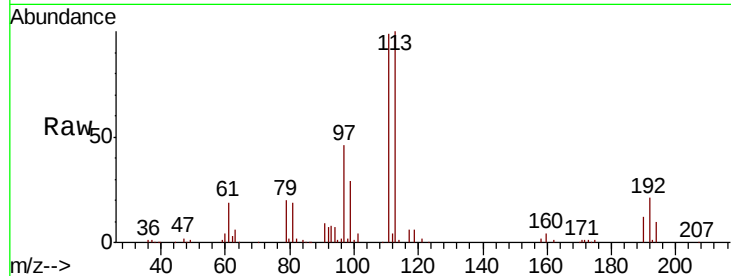
Tot Ion:113 Resp: 85648

Ion Ratio Lower Upper

113 100

111 100.9 81.4 122.2

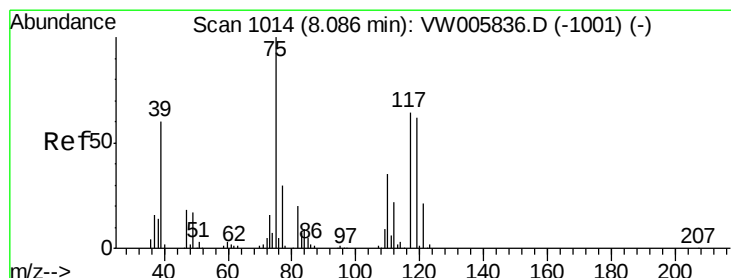
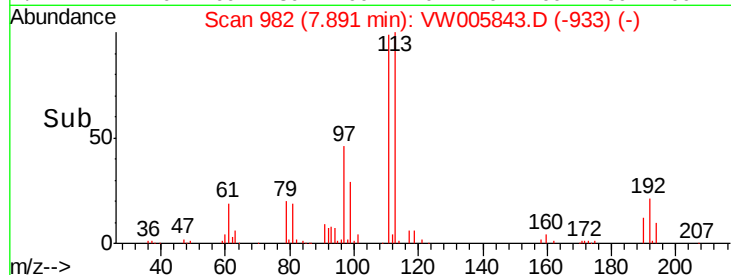
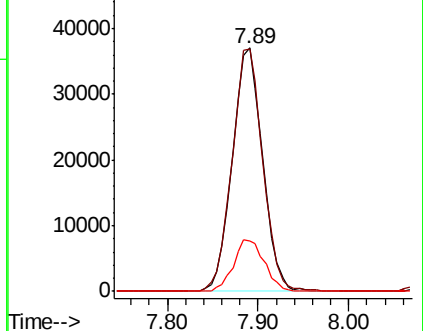
192 21.6 17.3 25.9



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: 19.122 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VW005843.D

Acq: 04 Oct 2018 08:21

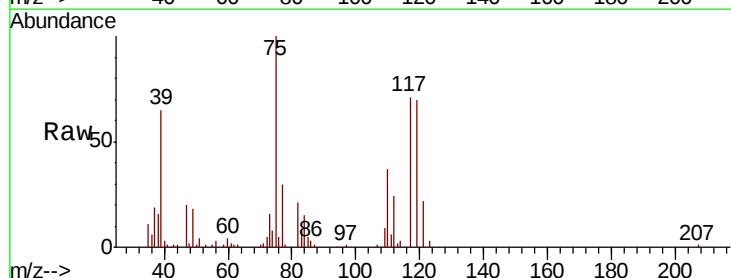
Tgt Ion: 75 Resp: 50640

Ion Ratio Lower Upper

75 100

110 35.6 17.5 52.6

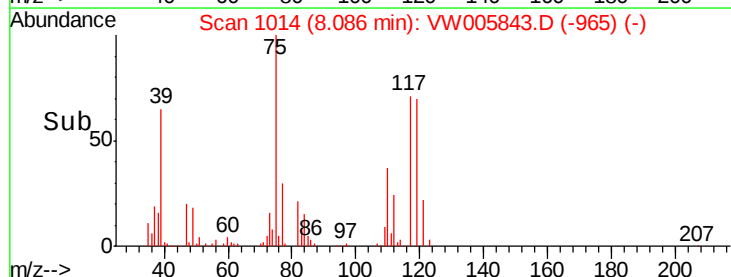
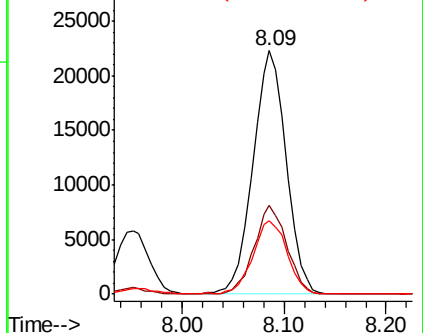
77 31.0 24.8 37.2

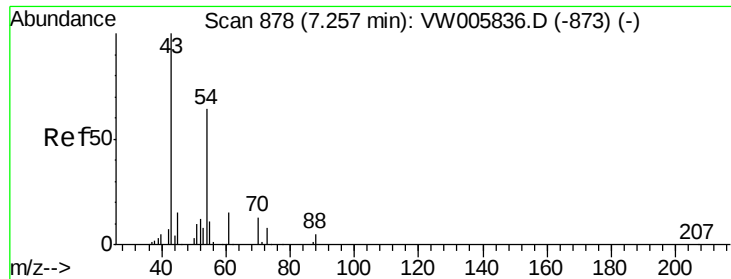


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

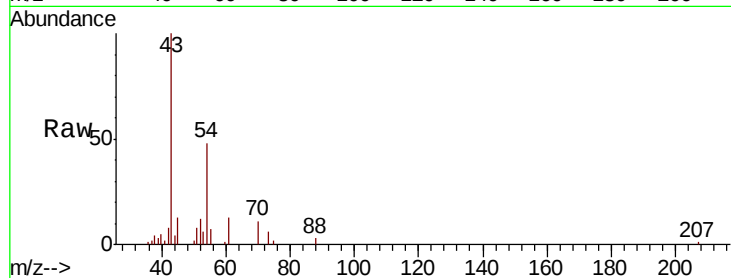




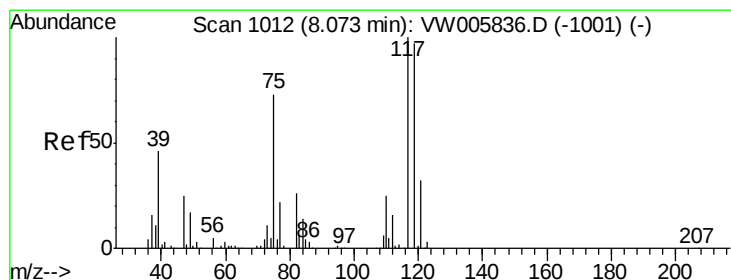
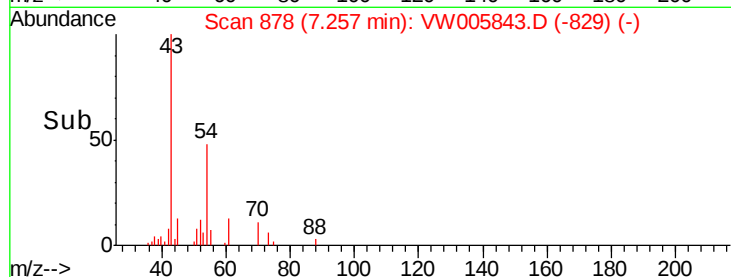
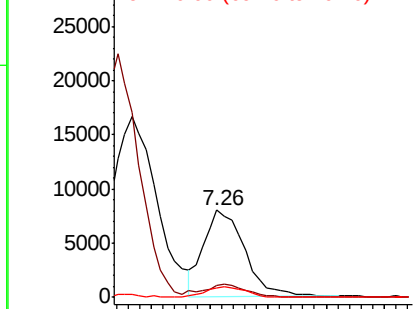
#37
Ethyl Acetate
Concen: 17.729 ug/l
RT: 7.26 min Scan# 878
Delta R.T. -0.00 min
Lab File: VW005843.D
Acq: 04 Oct 2018 08:21

Instrument :
MSVOA_W
ClientSampleId :
VW1004SBSD01

Tot Ion: 43 Resp: 19540
Ion Ratio Lower Upper
43 100
61 15.9 11.2 16.8
70 11.6 8.6 13.0

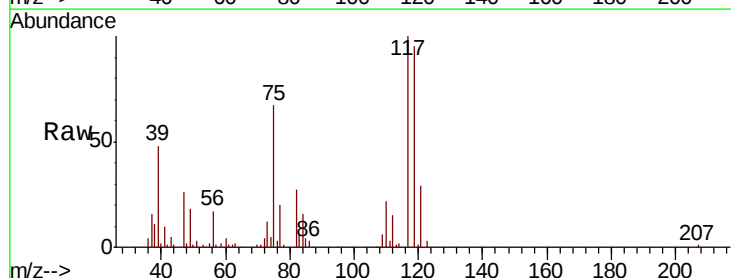


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

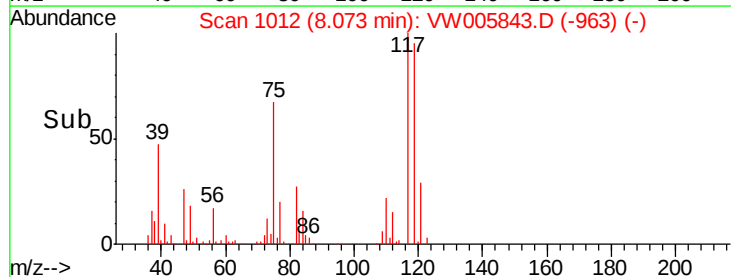
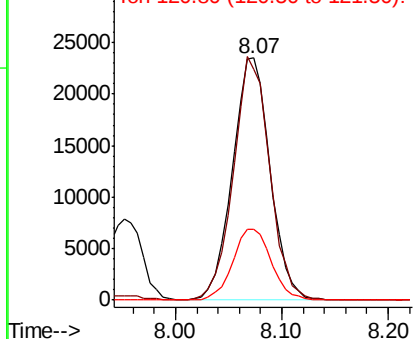


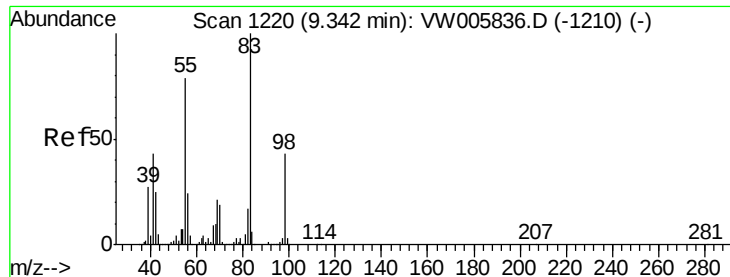
#38
Carbon Tetrachloride
Concen: 19.759 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VW005843.D
Acq: 04 Oct 2018 08:21

Tgt Ion: 117 Resp: 58305
Ion Ratio Lower Upper
117 100
119 95.3 77.9 116.9
121 29.2 25.2 37.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





#39

Methvlcvclohexane

Concen: 19.225 ug/l

RT: 9.34 min Scan# 1220

Delta R.T. -0.00 min

Lab File: VW005843.D

Acq: 04 Oct 2018 08:21

Instrument :

MSVOA_W

ClientSampled :

VW1004SBSD01

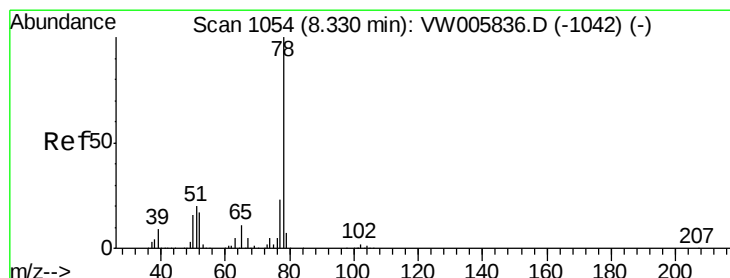
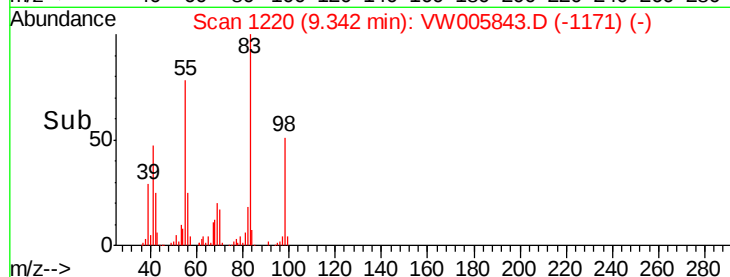
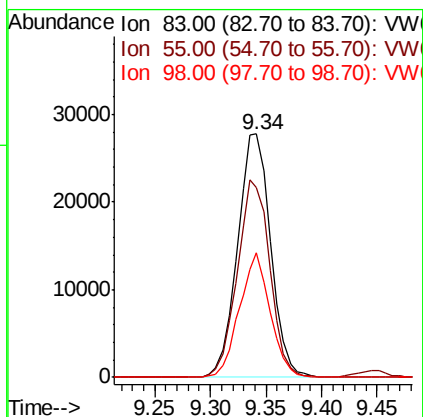
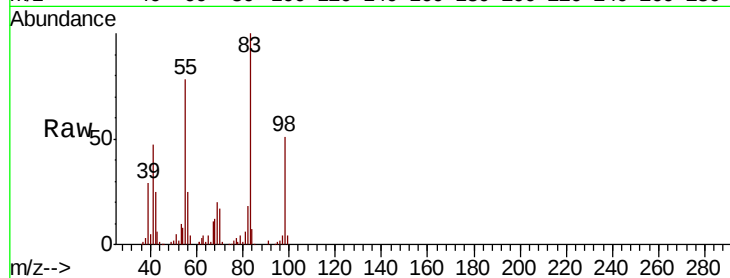
Tot Ion: 83 Resp: 57315

Ion Ratio Lower Upper

83 100

55 78.1 63.0 94.4

98 51.1 34.5 51.7



#40

Benzene

Concen: 18.830 ug/l

RT: 8.33 min Scan# 1054

Delta R.T. -0.00 min

Lab File: VW005843.D

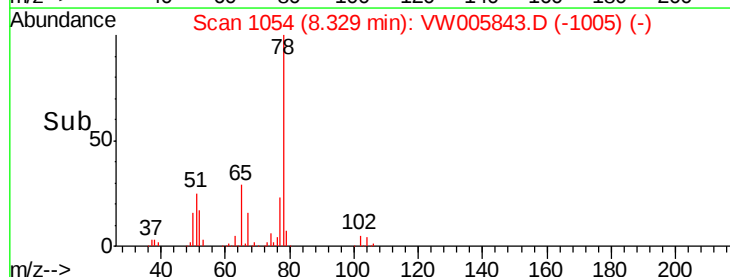
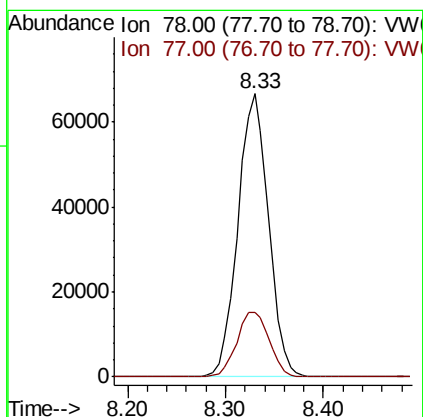
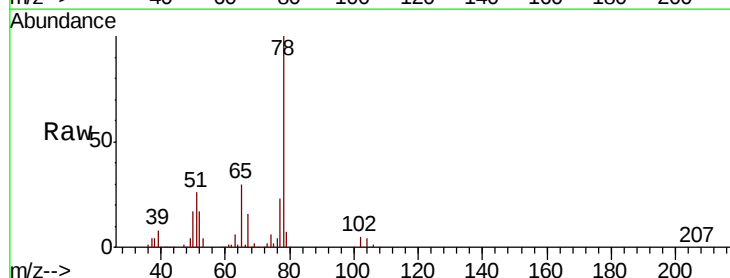
Acq: 04 Oct 2018 08:21

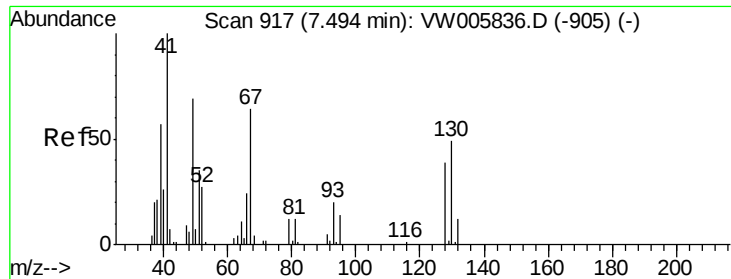
Tgt Ion: 78 Resp: 144523

Ion Ratio Lower Upper

78 100

77 22.6 18.6 28.0

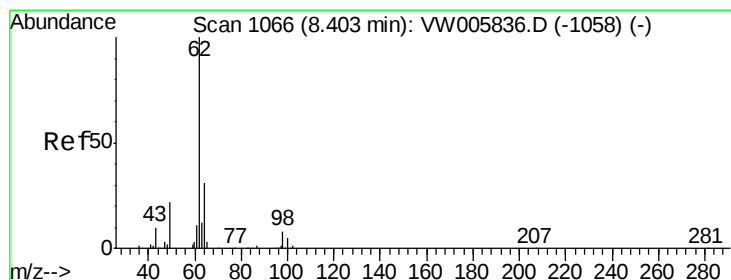
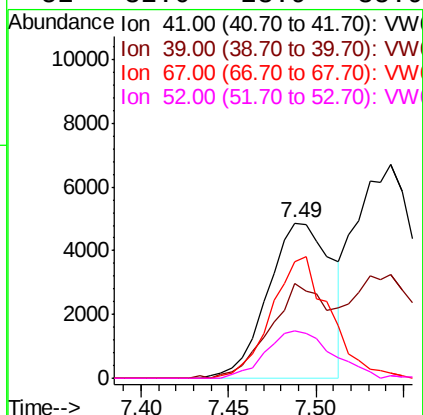
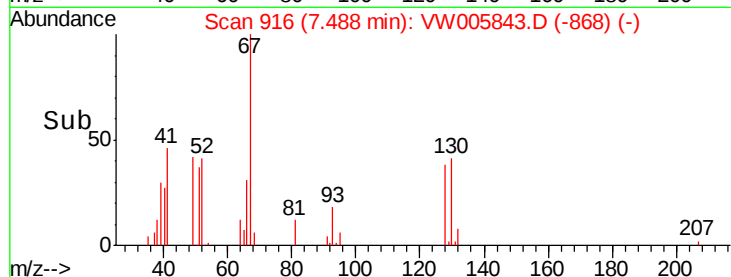
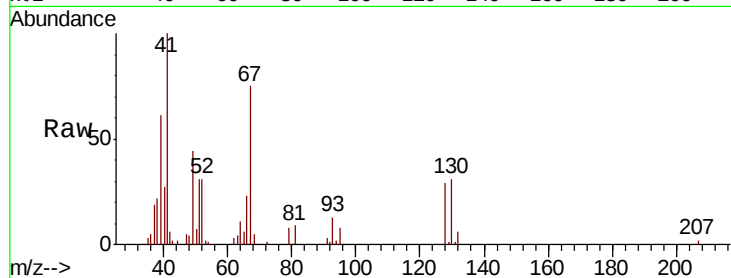




#41
Methacrylonitrile
Concen: 18.850 ug/l
RT: 7.49 min Scan# 916
Delta R.T. -0.01 min
Lab File: VW005843.D
Acq: 04 Oct 2018 08:21

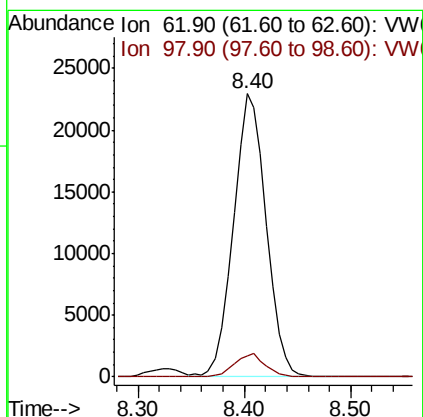
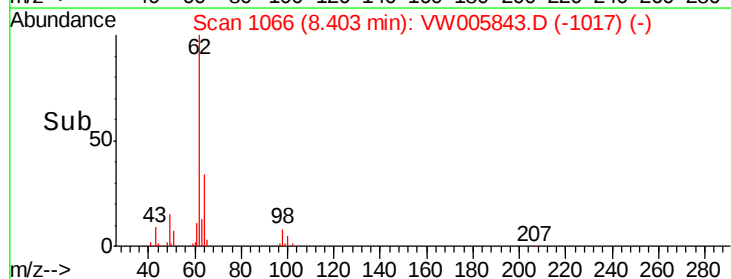
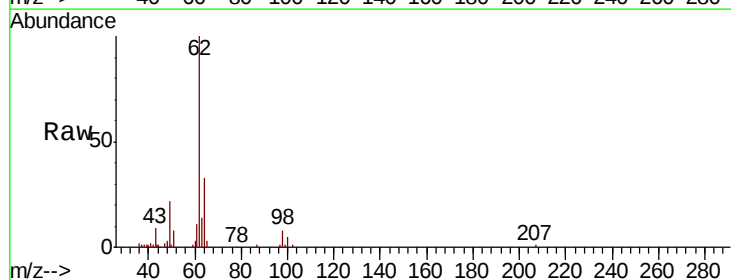
Instrument :
MSVOA_W
ClientSampleId :
VW1004SBSD01

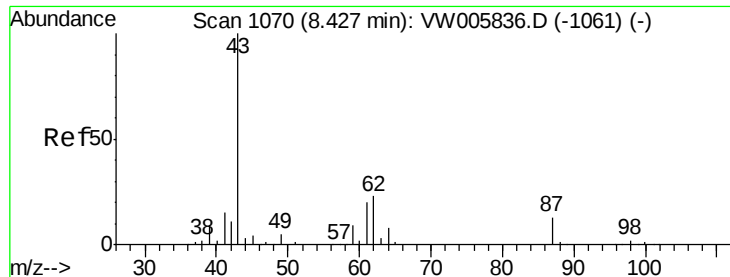
Tot Ion:	41	Resp:	12415
Ion	Ratio	Lower	Upper
41	100		
39	51.0	45.6	68.4
67	72.1	53.6	80.4
52	32.0	23.9	35.9



#42
1,2-Dichloroethane
Concen: 19.173 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW005843.D
Acq: 04 Oct 2018 08:21

Tgt Ion:	62	Resp:	49494
Ion	Ratio	Lower	Upper
62	100		
98	7.7	0.0	16.2





#43

Isopropyl Acetate

Concen: 18.588 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW005843.D

Acq: 04 Oct 2018 08:21

Instrument :

MSVOA_W

ClientSampleId :

VW1004SBSD01

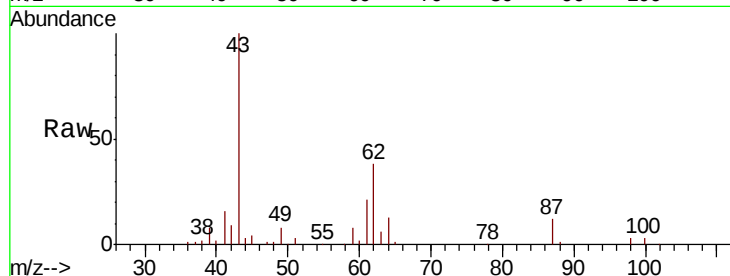
Tot Ion: 43 Resp: 40495

Ion Ratio Lower Upper

43 100

61 31.1 24.1 36.1

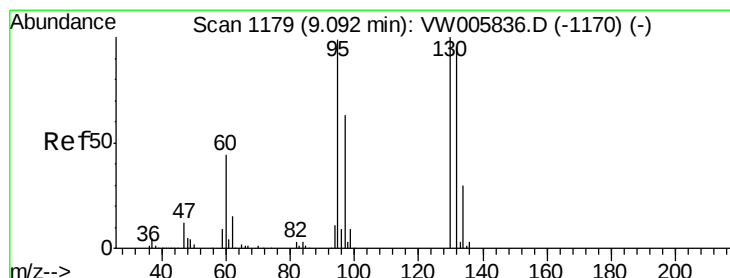
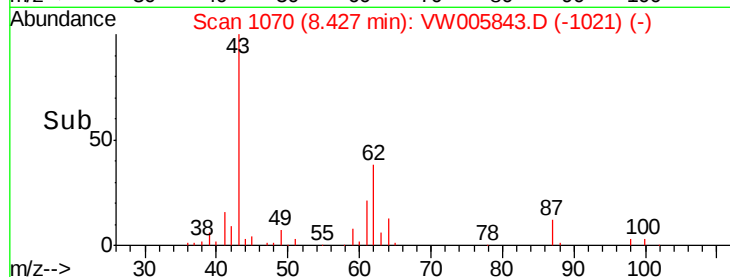
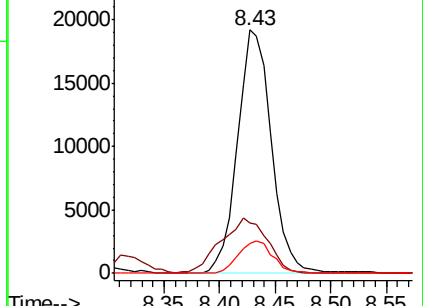
87 13.5 10.6 16.0



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: 18.958 ug/l

RT: 9.10 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VW005843.D

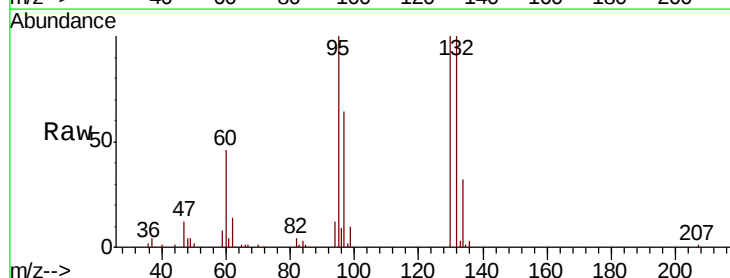
Acq: 04 Oct 2018 08:21

Tgt Ion: 130 Resp: 38456

Ion Ratio Lower Upper

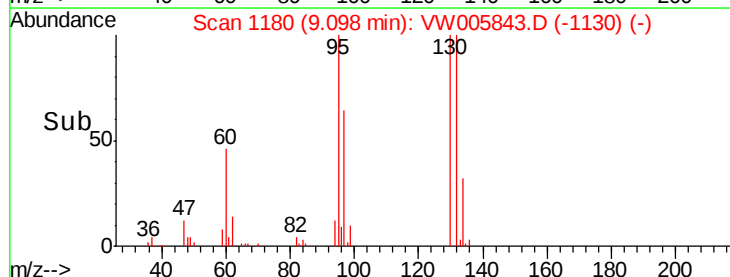
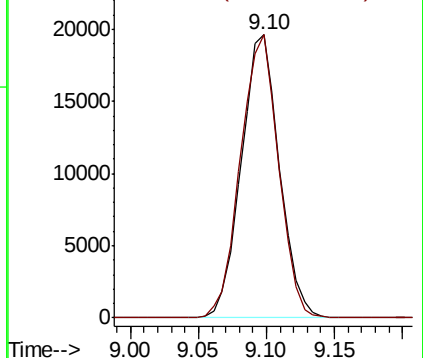
130 100

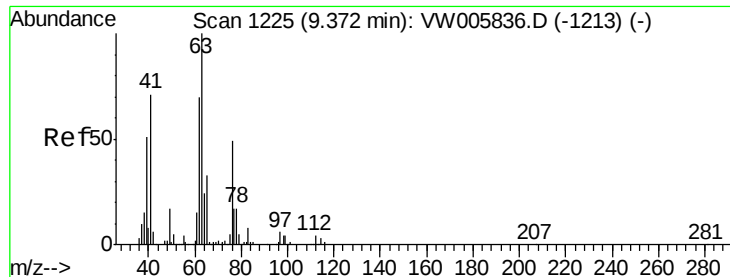
95 100.0 0.0 197.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

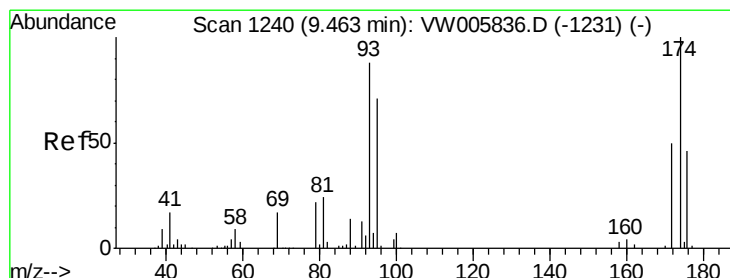
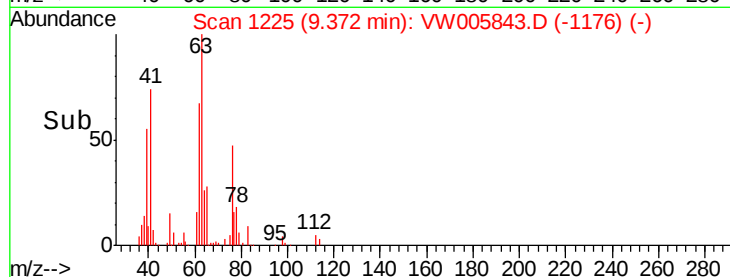
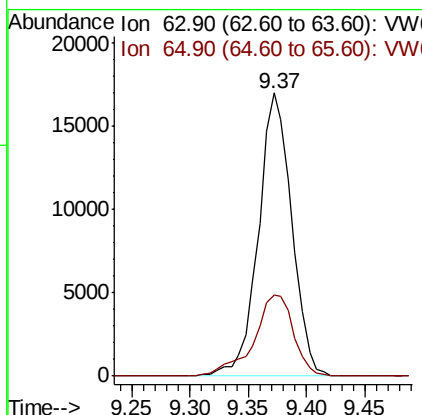
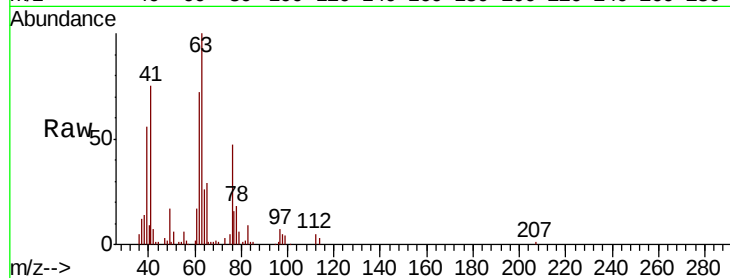




#45
 1,2-Dichloropropane
 Concen: 18.630 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW005843.D
 Acq: 04 Oct 2018 08:21

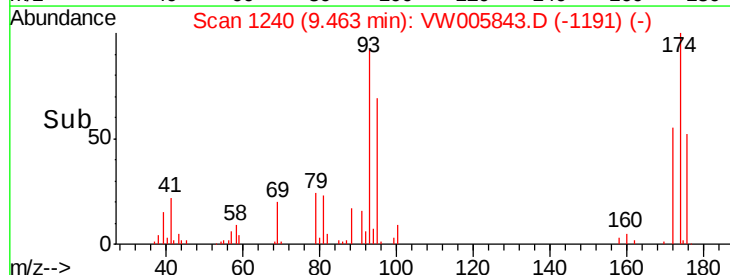
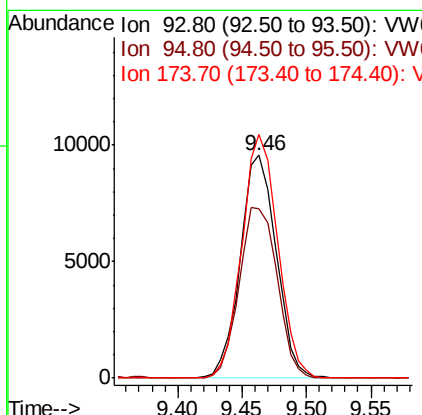
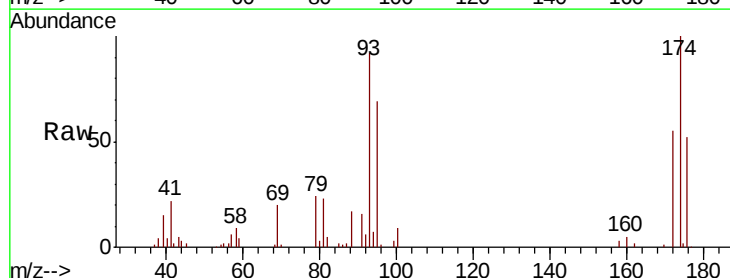
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1004SBSD01

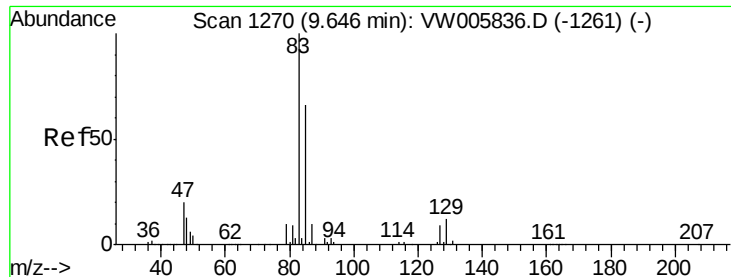
Tot Ion: 63 Resp: 33859
 Ion Ratio Lower Upper
 63 100
 65 28.7 26.1 39.1



#46
 Dibromomethane
 Concen: 18.624 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VW005843.D
 Acq: 04 Oct 2018 08:21

Tgt Ion: 93 Resp: 18512
 Ion Ratio Lower Upper
 93 100
 95 80.8 65.9 98.9
 174 108.7 88.4 132.6

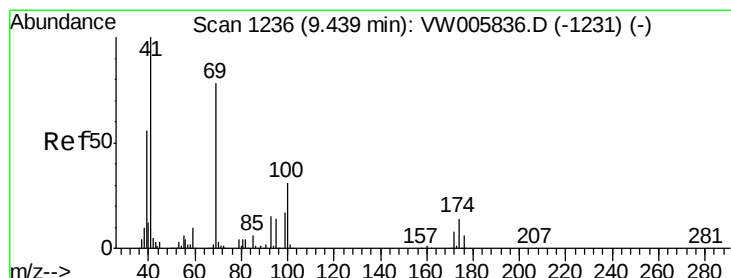
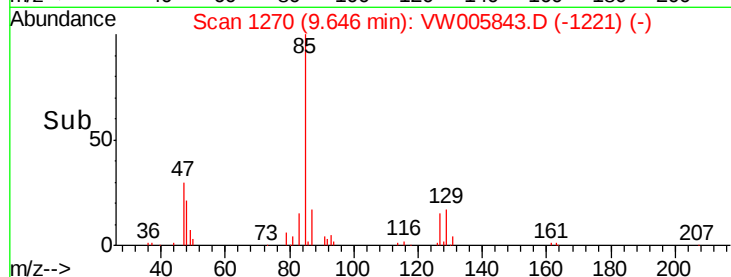
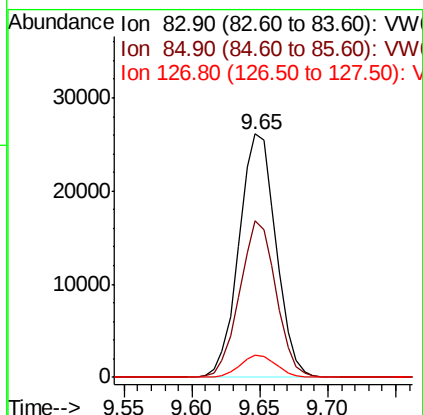
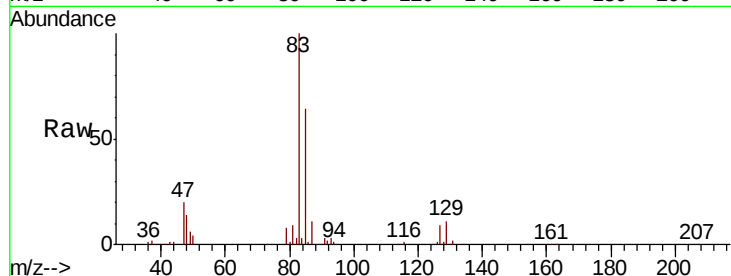




#47
Bromodichloromethane
Concen: 18.873 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VW005843.D
Acq: 04 Oct 2018 08:21

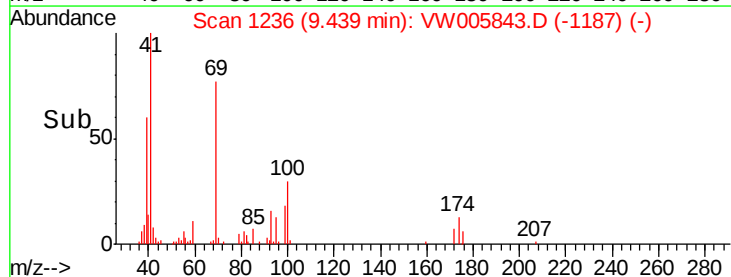
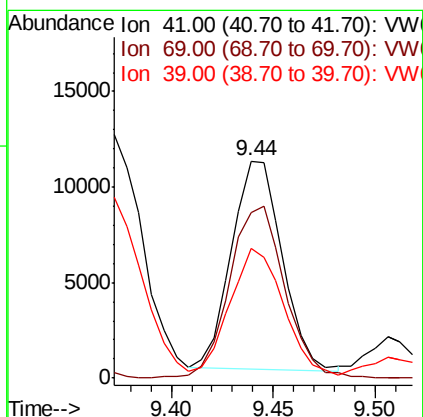
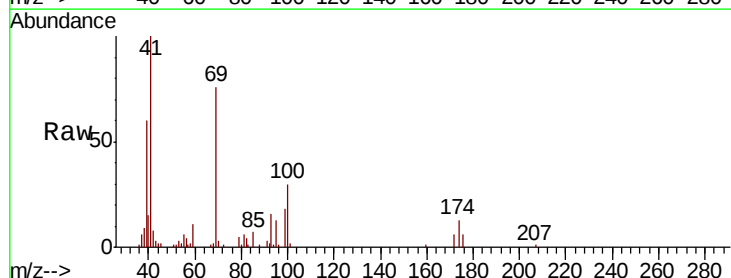
Instrument :
MSVOA_W
ClientSampled :
VW1004SBSD01

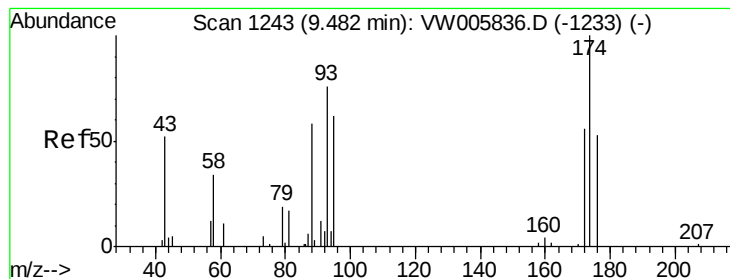
Tot Ion: 83 Resp: 49648
Ion Ratio Lower Upper
83 100
85 64.1 52.6 78.8
127 9.3 7.4 11.0



#48
Methyl methacrylate
Concen: 17.873 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VW005843.D
Acq: 04 Oct 2018 08:21

Tgt Ion: 41 Resp: 18851
Ion Ratio Lower Upper
41 100
69 90.2 66.4 99.6
39 63.1 50.1 75.1





#49

1,4-Dioxane

Concen: 400.636 ug/l

RT: 9.48 min Scan# 1243

Delta R.T. -0.00 min

Lab File: VW005843.D

Acq: 04 Oct 2018 08:21

Instrument :

MSVOA_W

ClientSampleId :

VW1004SBSD01

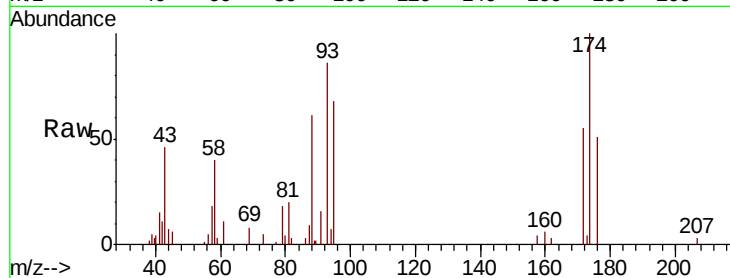
Tot Ion: 88 Resp: 6222

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

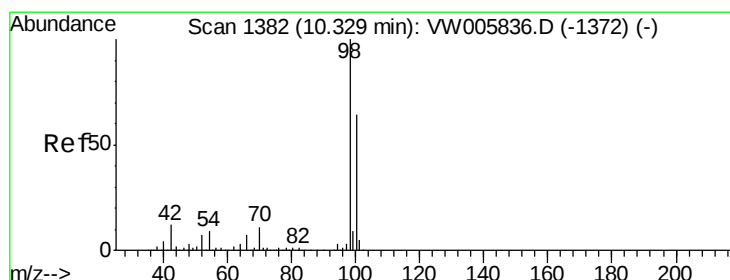
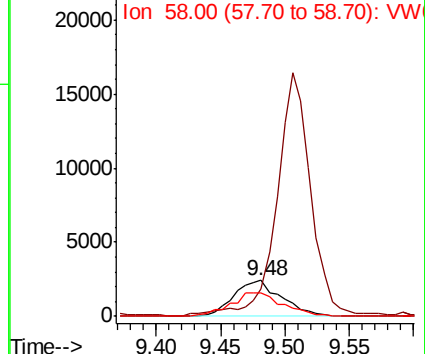
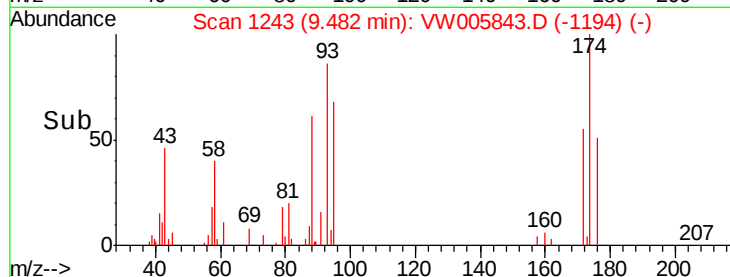
58 72.6 58.1 87.1



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 54.267 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005843.D

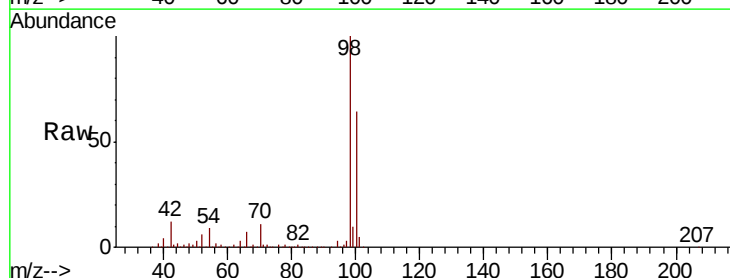
Acq: 04 Oct 2018 08:21

Tgt Ion: 98 Resp: 376271

Ion Ratio Lower Upper

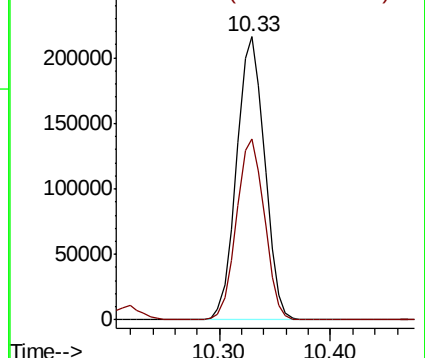
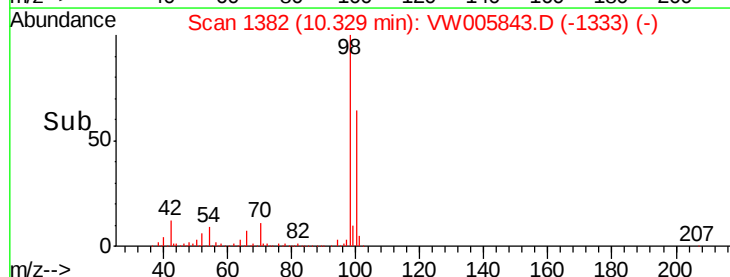
98 100

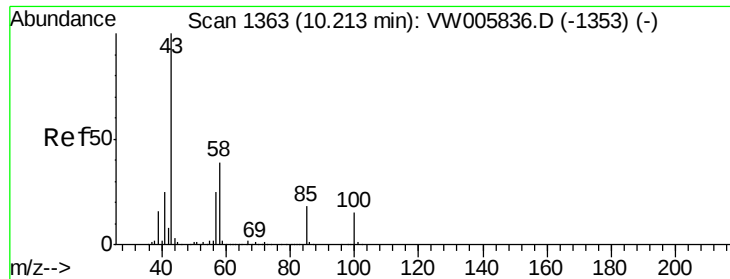
100 64.1 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

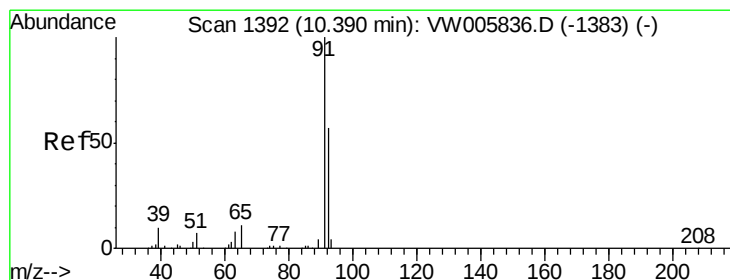
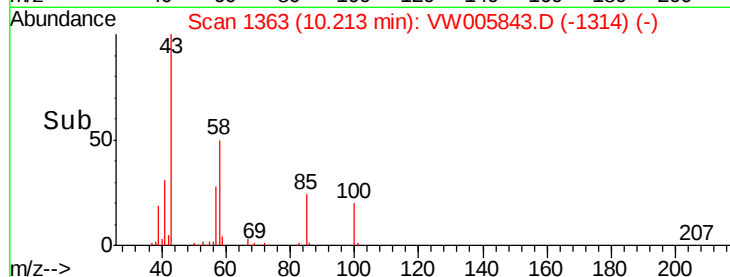
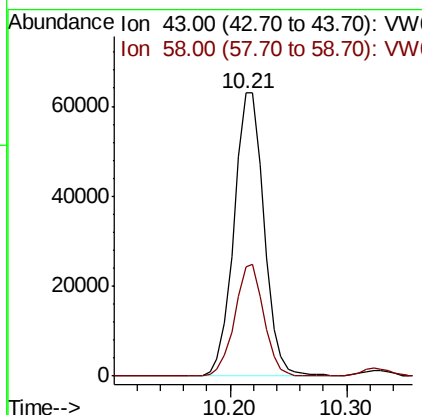
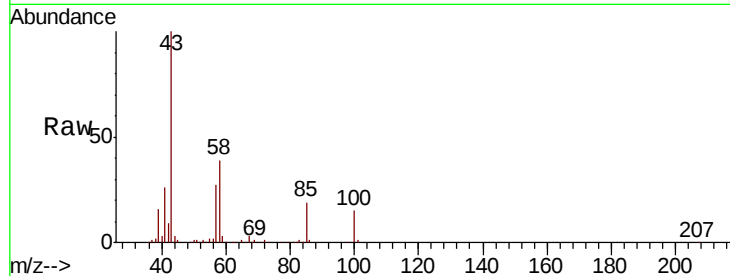




#51
 4-Methyl-2-Pentanone
 Concen: 99.867 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VW005843.D
 Acq: 04 Oct 2018 08:21

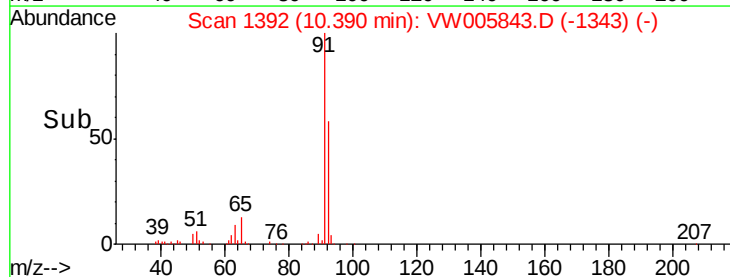
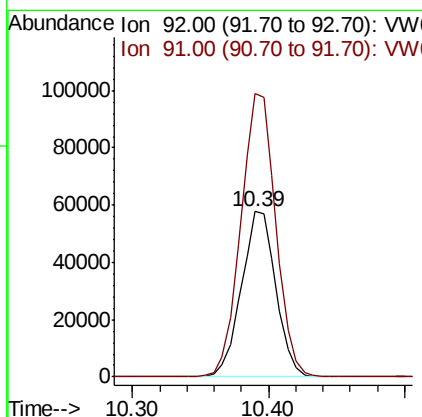
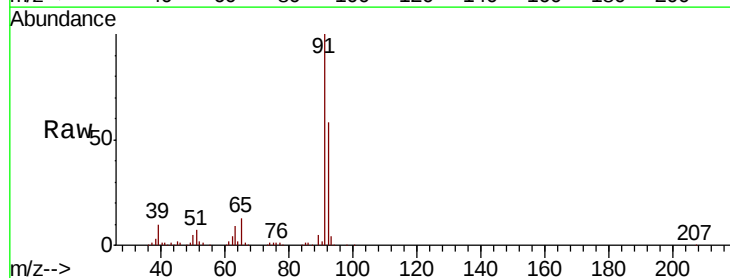
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1004SBSD01

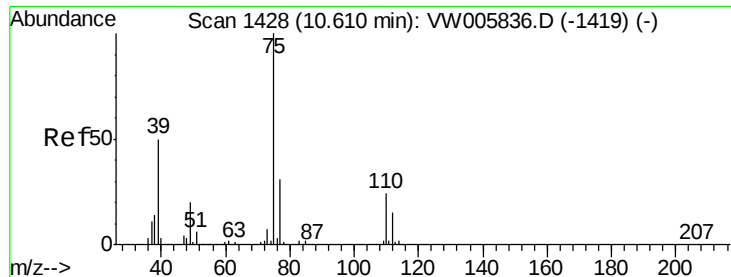
Tot Ion: 43 Resp: 113186
 Ion Ratio Lower Upper
 43 100
 58 38.4 30.6 45.8



#52
 Toluene
 Concen: 20.830 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VW005843.D
 Acq: 04 Oct 2018 08:21

Tgt Ion: 92 Resp: 101894
 Ion Ratio Lower Upper
 92 100
 91 173.4 139.0 208.4





#53

t-1,3-Dichloropropene

Concen: 19.974 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW005843.D

Acq: 04 Oct 2018 08:21

Instrument :

MSVOA_W

ClientSampleId :

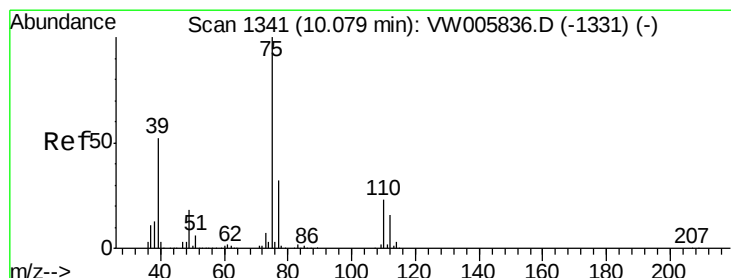
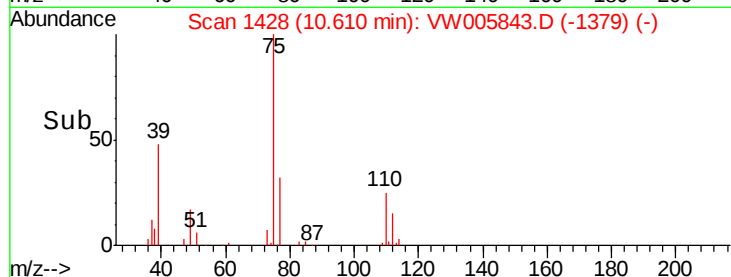
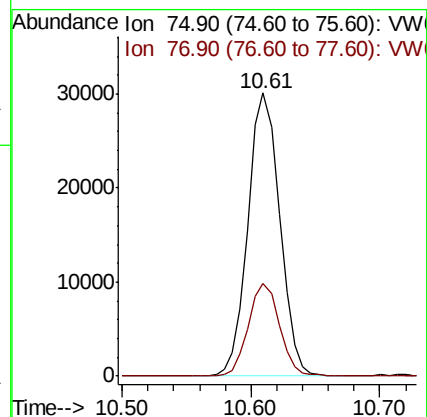
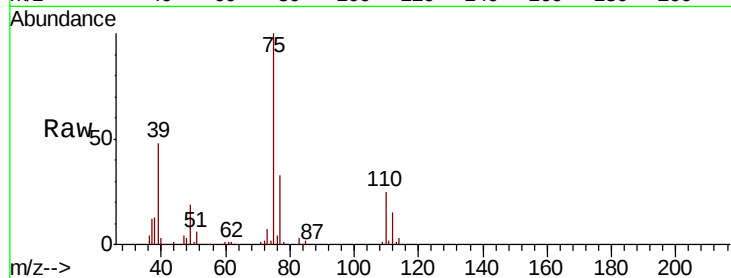
VW1004SBSD01

Tot Ion: 75 Resp: 51304

Ion Ratio Lower Upper

75 100

77 32.6 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 19.949 ug/l

RT: 10.08 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VW005843.D

Acq: 04 Oct 2018 08:21

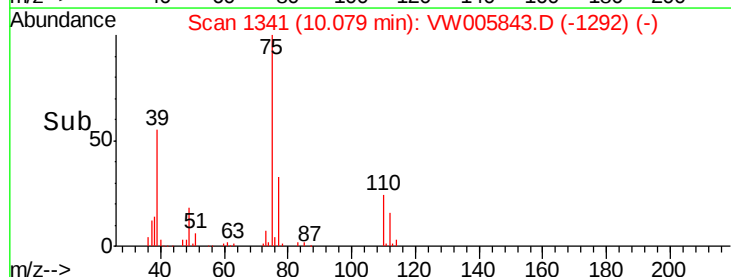
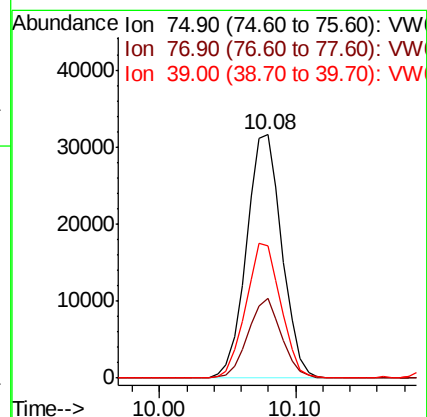
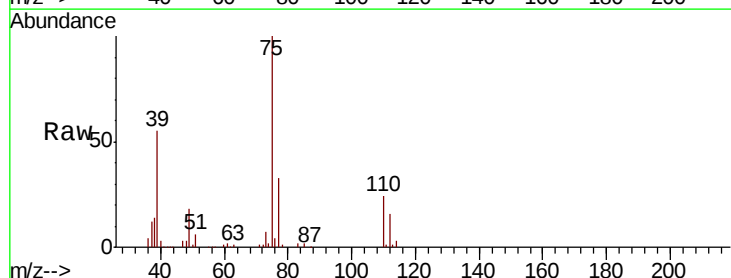
Tgt Ion: 75 Resp: 57369

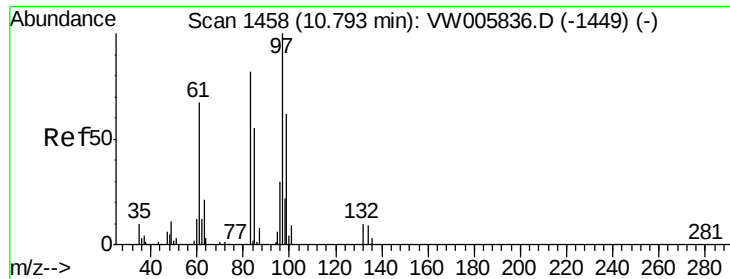
Ion Ratio Lower Upper

75 100

77 32.6 25.4 38.2

39 54.6 41.9 62.9

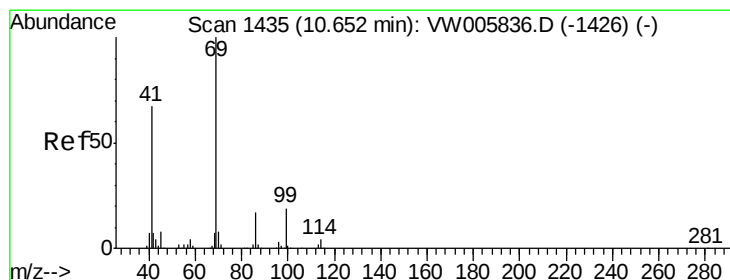
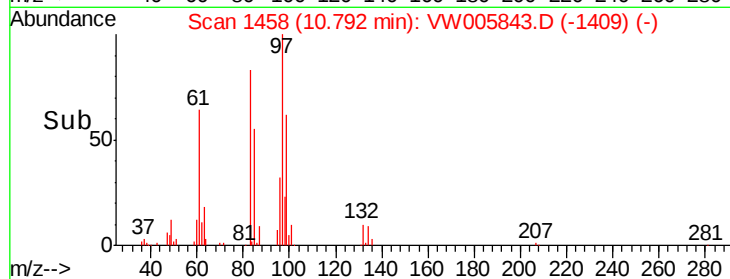
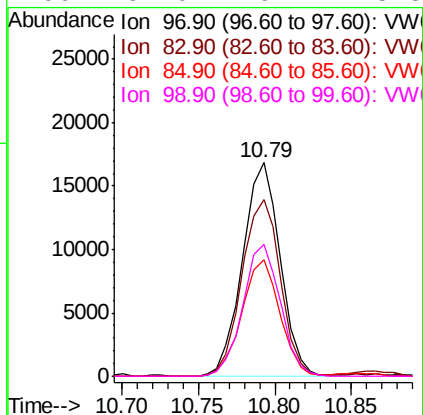
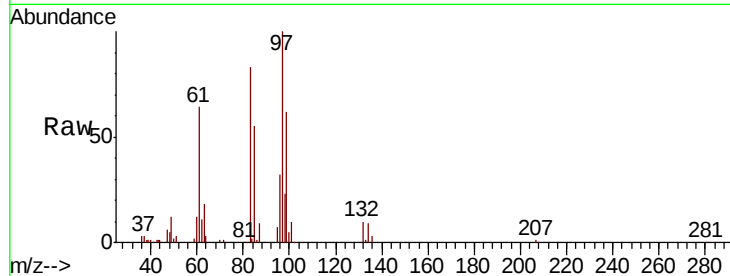




#55
 1,1,2-Trichloroethane
 Concen: 20.098 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. -0.00 min
 Lab File: VW005843.D
 Acq: 04 Oct 2018 08:21

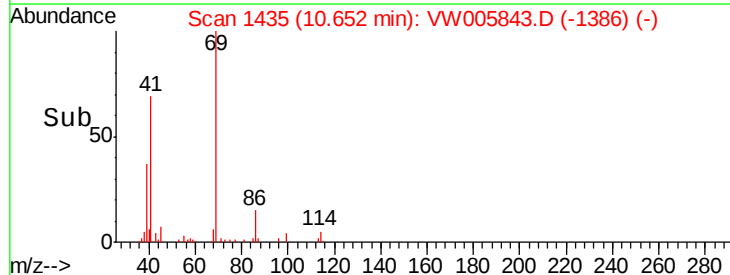
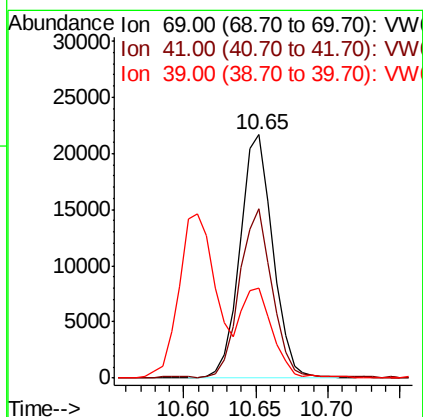
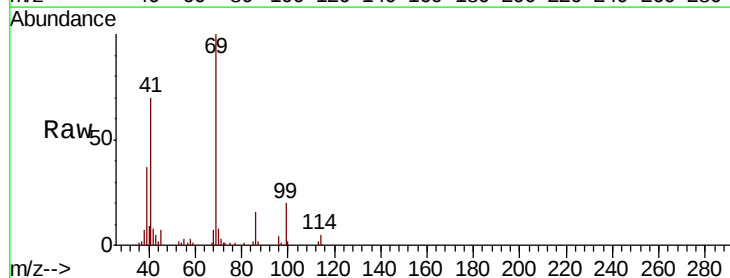
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1004SBSD01

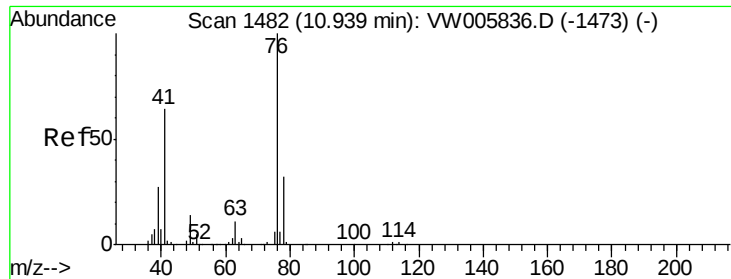
Tot Ion:	97	Resp:	28860
Ion	Ratio	Lower	Upper
97	100		
83	83.0	65.9	98.9
85	54.5	44.2	66.2
99	62.0	49.2	73.8



#56
 Ethyl methacrylate
 Concen: 19.967 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. -0.00 min
 Lab File: VW005843.D
 Acq: 04 Oct 2018 08:21

Tgt Ion:	69	Resp:	34339
Ion	Ratio	Lower	Upper
69	100		
41	67.7	55.8	83.6
39	35.4	29.3	43.9

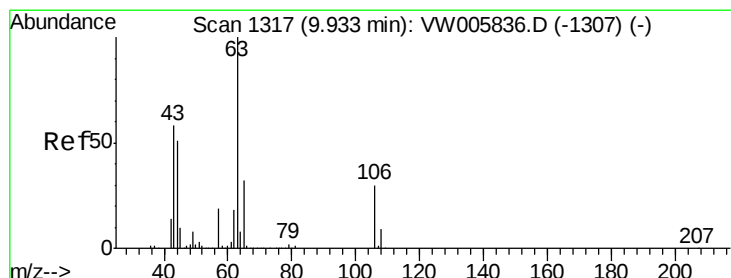
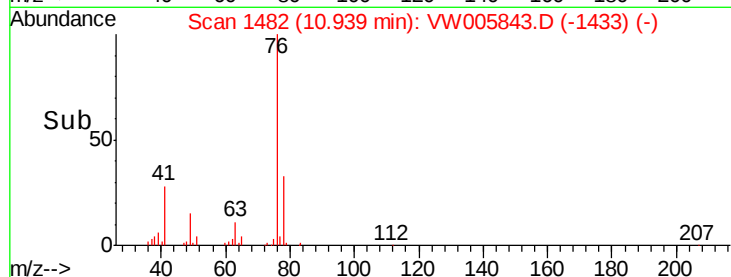
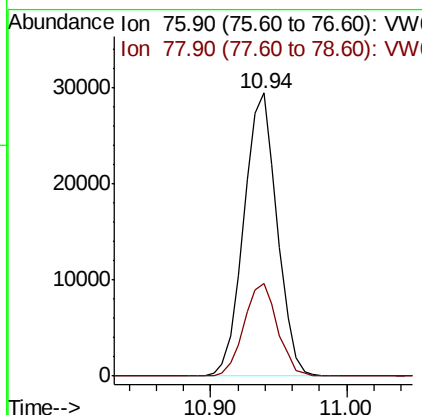
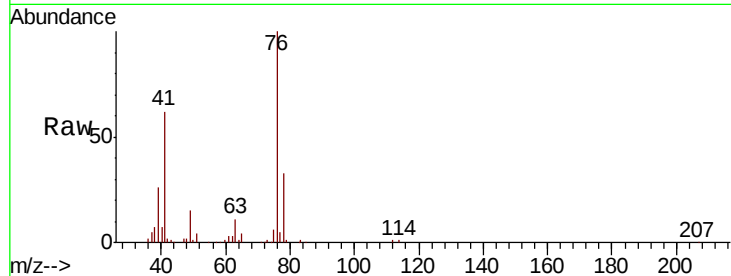




#57
 1,3-Dichloropropane
 Concen: 20.537 ug/l
 RT: 10.94 min Scan# 1482
 Delta R.T. -0.00 min
 Lab File: VW005843.D
 Acq: 04 Oct 2018 08:21

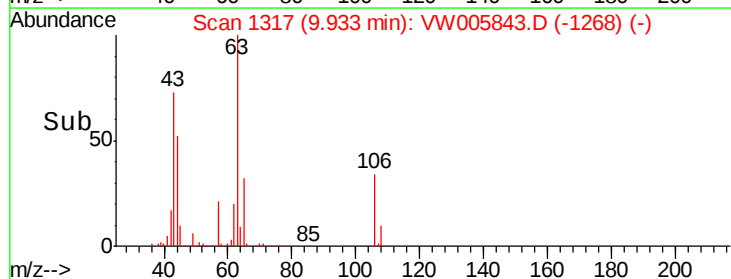
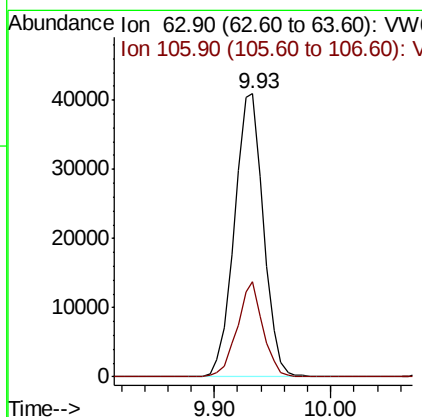
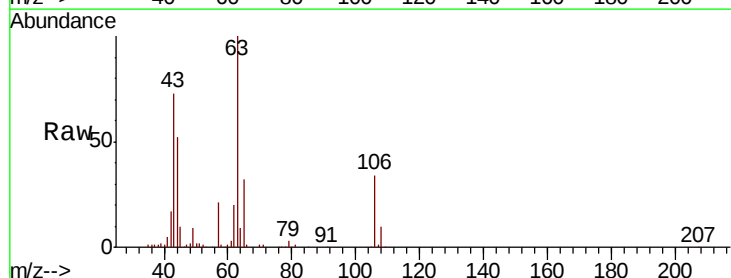
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1004SBSD01

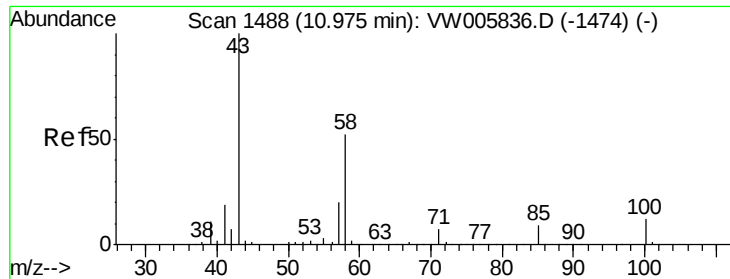
Tot Ion: 76 Resp: 50206
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.381 ug/l
 RT: 9.93 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VW005843.D
 Acq: 04 Oct 2018 08:21

Tgt Ion: 63 Resp: 70970
 Ion Ratio Lower Upper
 63 100
 106 29.8 23.7 35.5

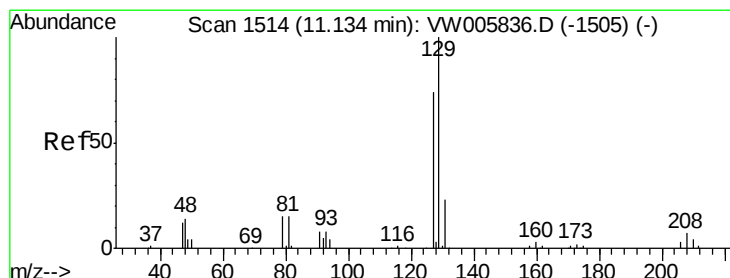
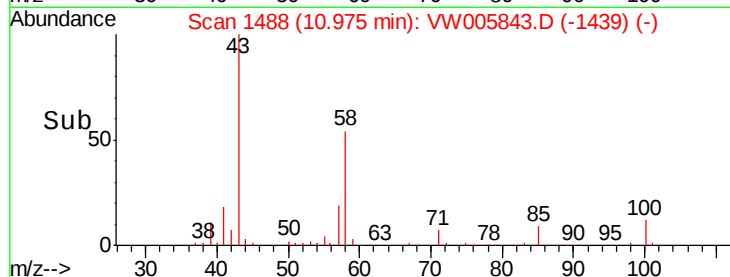
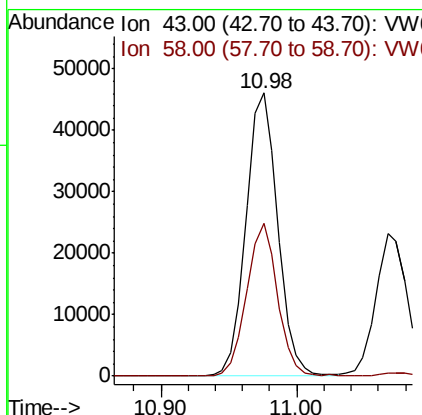
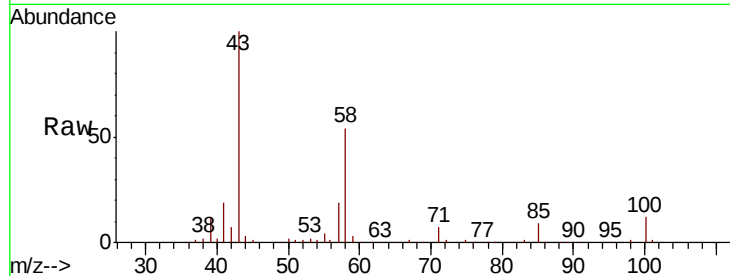




#59
2-Hexanone
Concen: 99.720 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VW005843.D
Acq: 04 Oct 2018 08:21

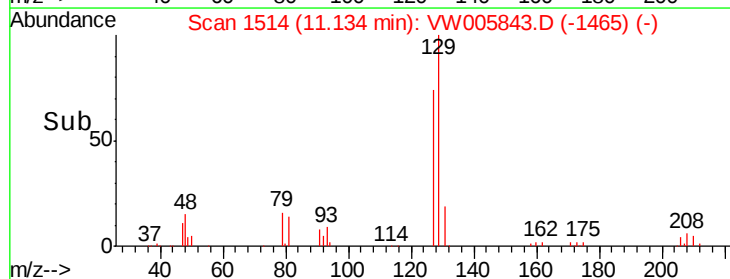
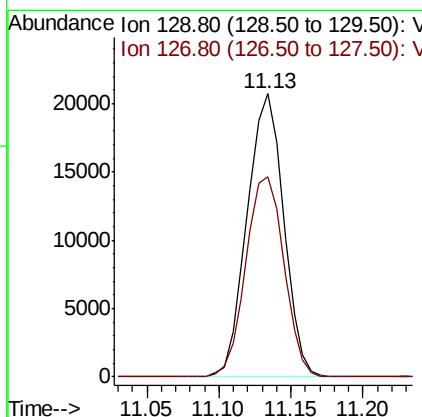
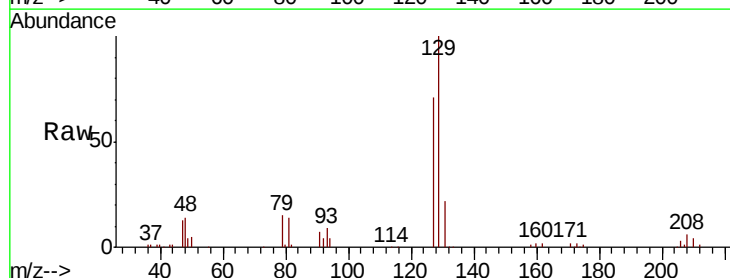
Instrument :
MSVOA_W
ClientSampleId :
VW1004SBSD01

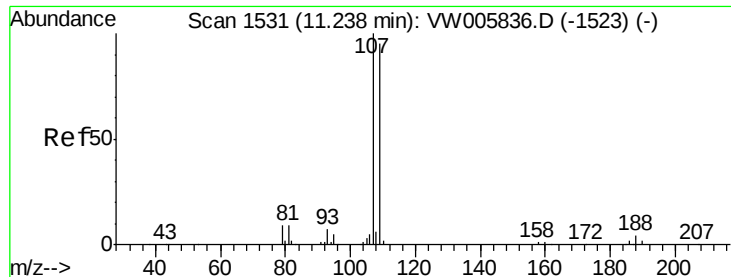
Tot Ion: 43 Resp: 75593
Ion Ratio Lower Upper
43 100
58 52.5 25.9 77.7



#60
Dibromochloromethane
Concen: 20.312 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VW005843.D
Acq: 04 Oct 2018 08:21

Tgt Ion: 129 Resp: 36410
Ion Ratio Lower Upper
129 100
127 73.8 37.2 111.6





#61

1,2-Dibromoethane

Concen: 20.573 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW005843.D

Acq: 04 Oct 2018 08:21

Instrument :

MSVOA_W

ClientSampleId :

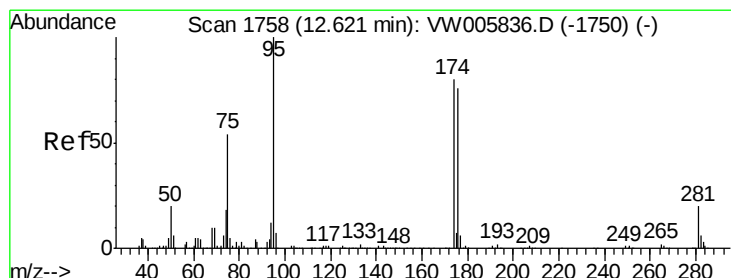
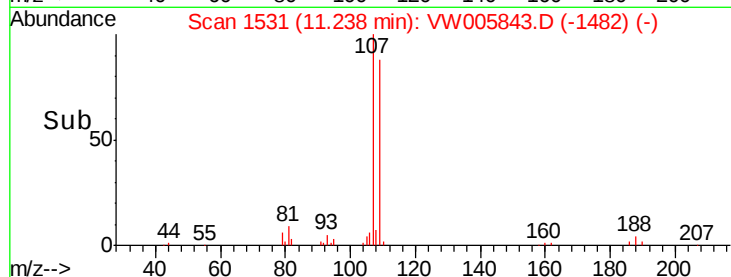
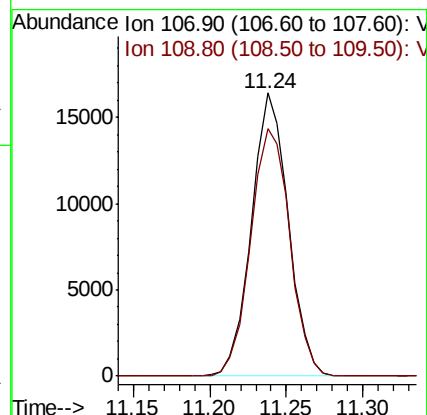
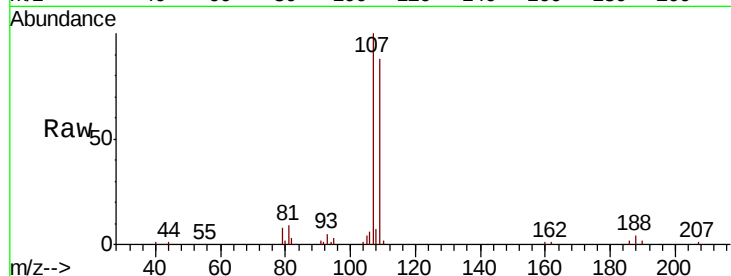
VW1004SBSD01

Tot Ion:107 Resp: 27441

Ion Ratio Lower Upper

107 100

109 93.0 76.6 114.8



#62

4-Bromofluorobenzene

Concen: 54.098 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW005843.D

Acq: 04 Oct 2018 08:21

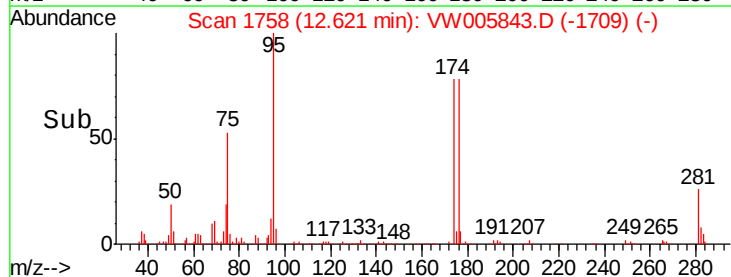
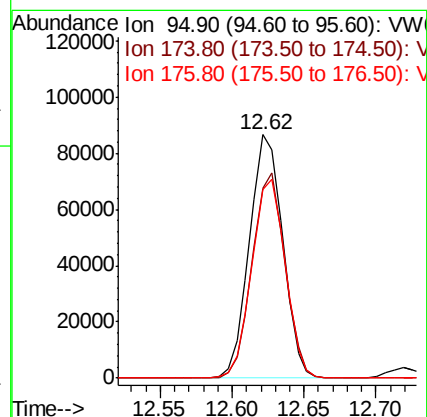
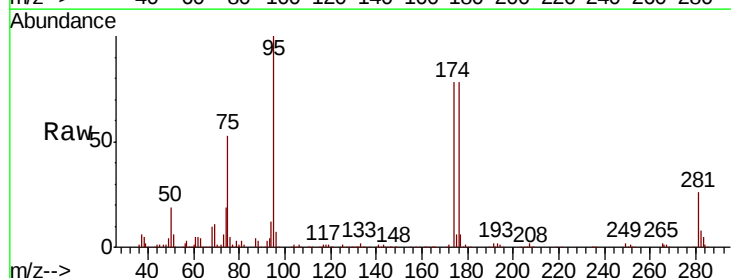
Tgt Ion: 95 Resp: 138623

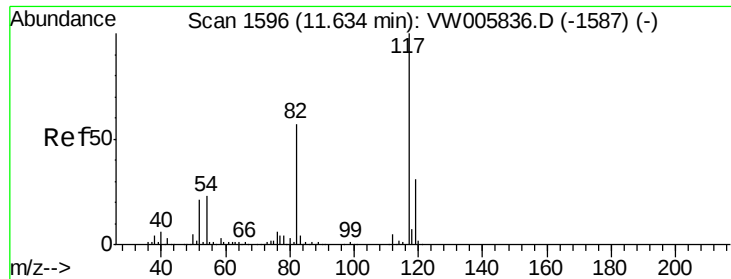
Ion Ratio Lower Upper

95 100

174 82.9 0.0 169.0

176 82.1 0.0 164.2

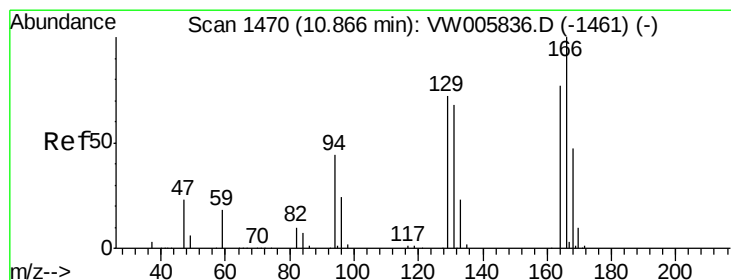
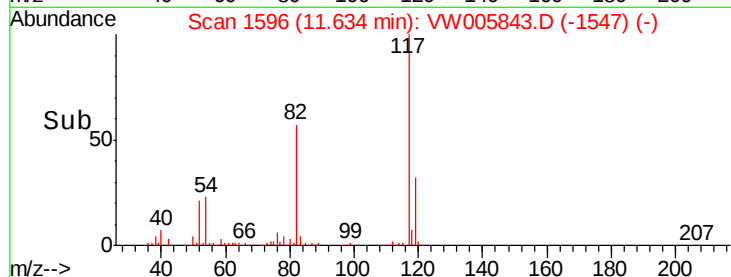
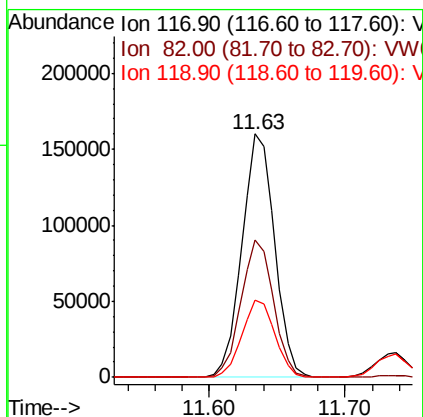
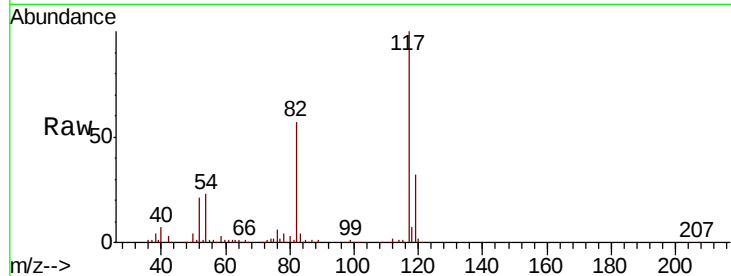




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW005843.D
Acq: 04 Oct 2018 08:21

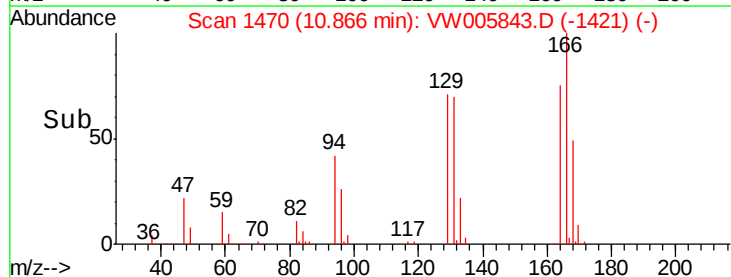
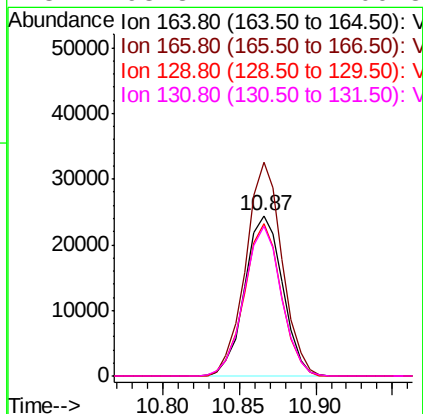
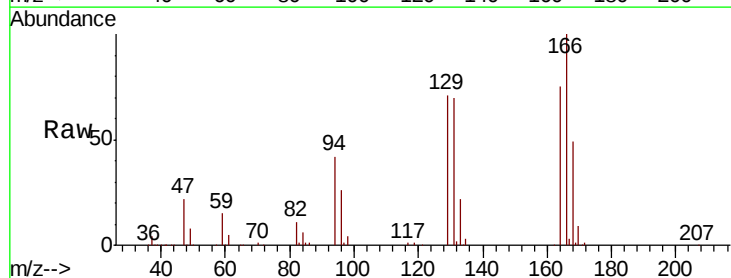
Instrument :
MSVOA_W
ClientSampleId :
VW1004SBSD01

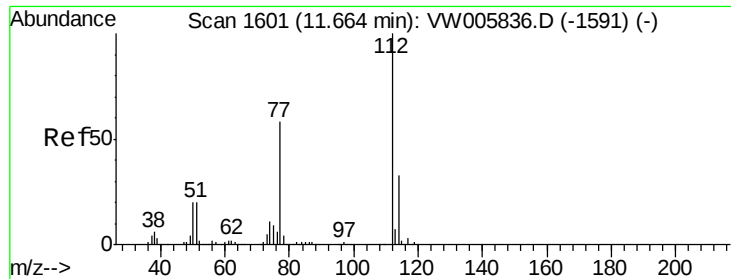
Tot Ion:117 Resp: 269020
Ion Ratio Lower Upper
117 100
82 56.6 45.6 68.4
119 31.8 25.0 37.6



#64
Tetrachloroethene
Concen: 20.028 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW005843.D
Acq: 04 Oct 2018 08:21

Tgt Ion:164 Resp: 42056
Ion Ratio Lower Upper
164 100
166 133.2 104.0 156.0
129 95.1 74.8 112.2
131 93.3 71.2 106.8

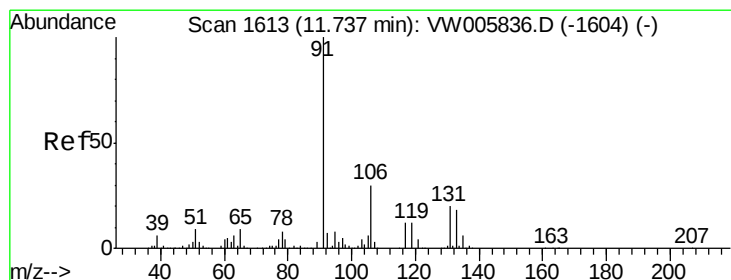
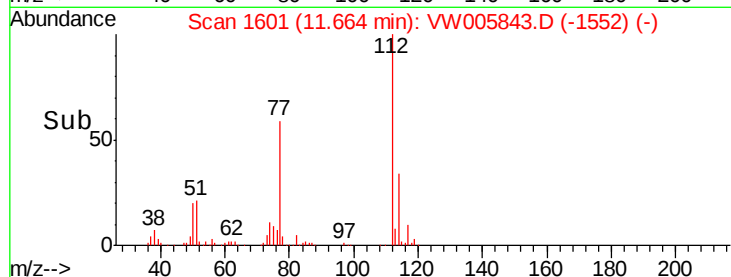
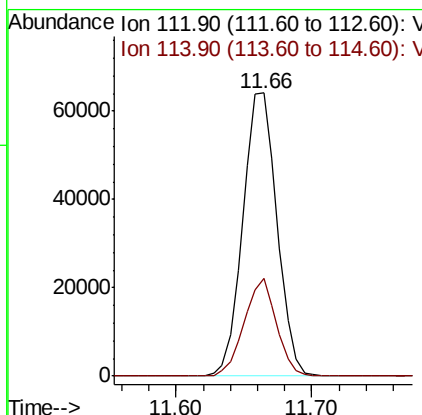
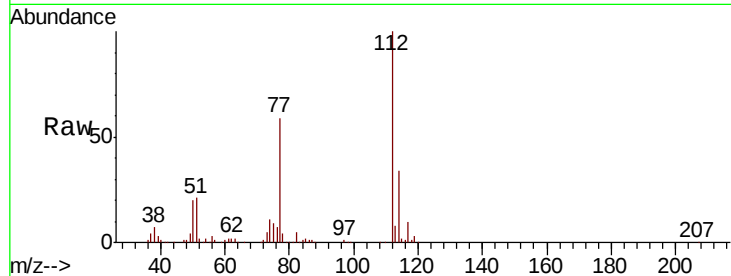




#65
Chlorobenzene
Concen: 19.142 ug/l
RT: 11.66 min Scan# 1601
Delta R.T. -0.00 min
Lab File: VW005843.D
Acq: 04 Oct 2018 08:21

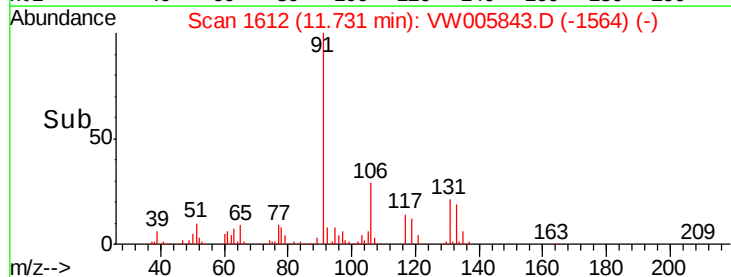
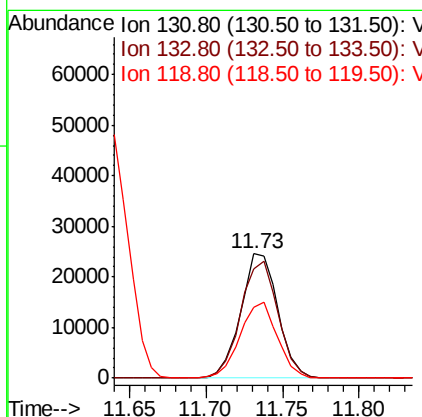
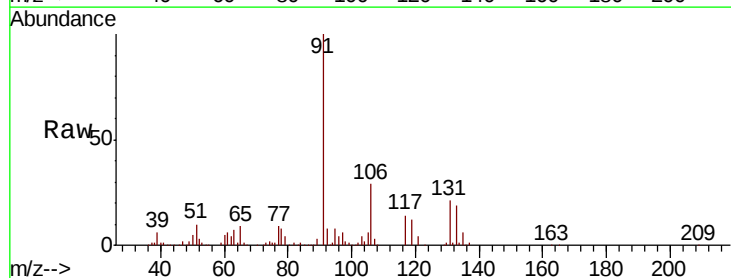
Instrument :
MSVOA_W
ClientSampleId :
VW1004SBSD01

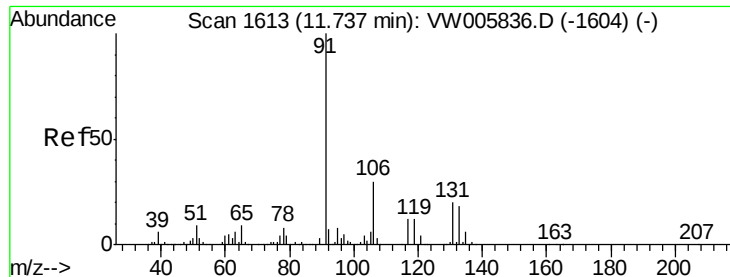
Tot Ion:112 Resp: 112596
Ion Ratio Lower Upper
112 100
114 34.4 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 18.995 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.01 min
Lab File: VW005843.D
Acq: 04 Oct 2018 08:21

Tgt Ion:131 Resp: 41414
Ion Ratio Lower Upper
131 100
133 95.2 47.0 141.0
119 61.2 30.4 91.2





#67

Ethyl Benzene

Concen: 19.495 ug/l

RT: 11.74 min Scan# 1613

Delta R.T. -0.00 min

Lab File: VW005843.D

Acq: 04 Oct 2018 08:21

Instrument :

MSVOA_W

ClientSampleId :

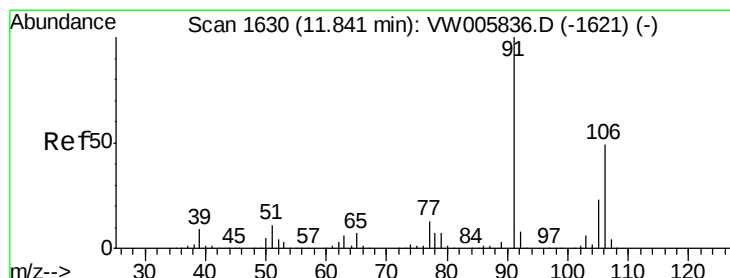
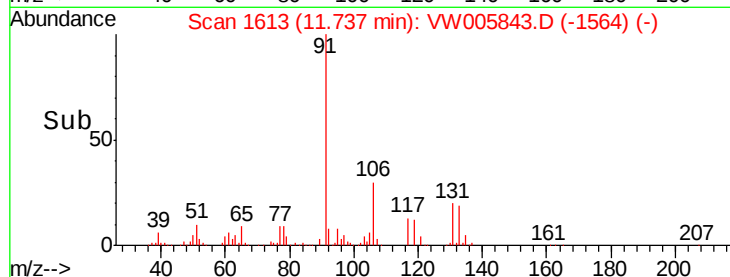
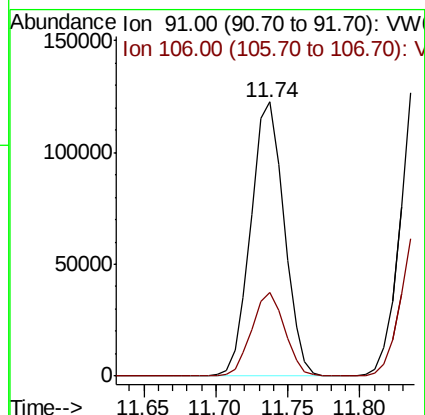
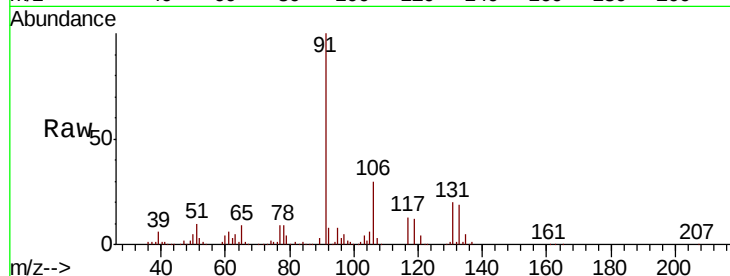
VW1004SBSD01

Tot Ion: 91 Resp: 196360

Ion Ratio Lower Upper

91 100

106 30.4 24.3 36.5



#68

m/p-Xylenes

Concen: 39.236 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW005843.D

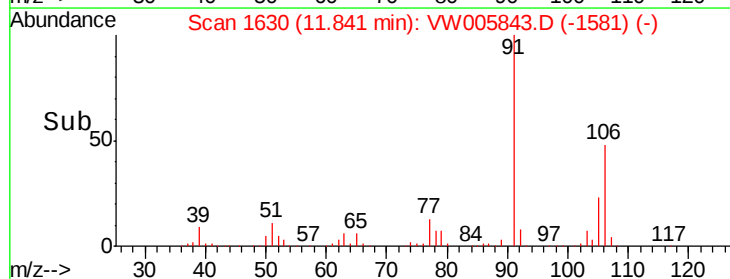
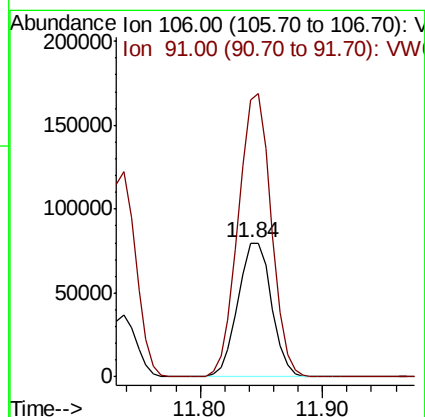
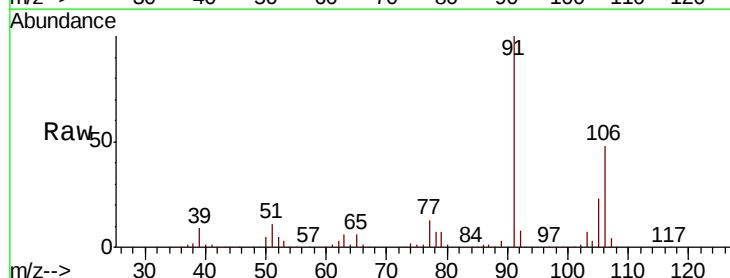
Acq: 04 Oct 2018 08:21

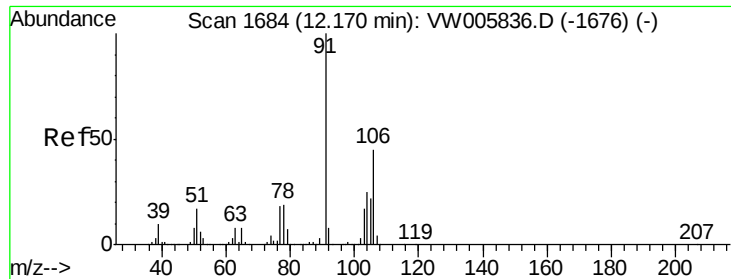
Tgt Ion:106 Resp: 152282

Ion Ratio Lower Upper

106 100

91 207.7 165.4 248.0

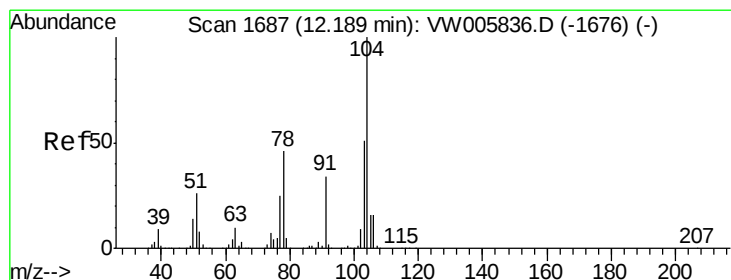
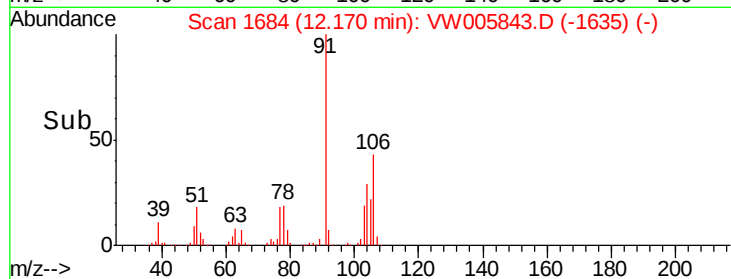
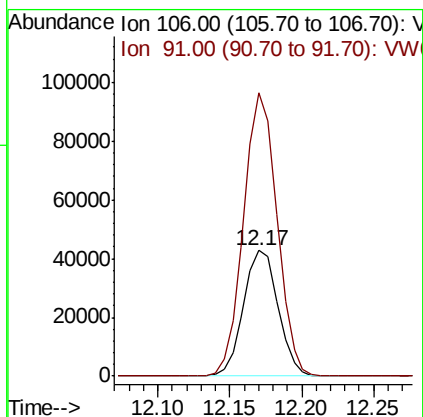
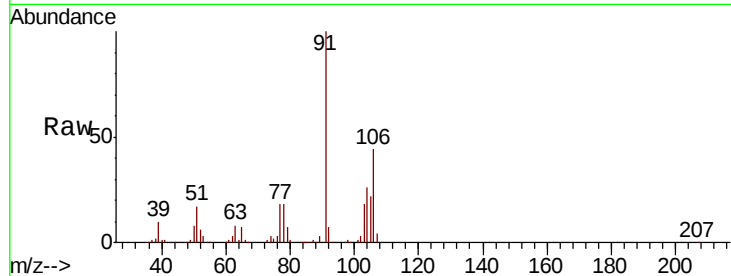




#69
o-Xylene
Concen: 19.739 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW005843.D
Acq: 04 Oct 2018 08:21

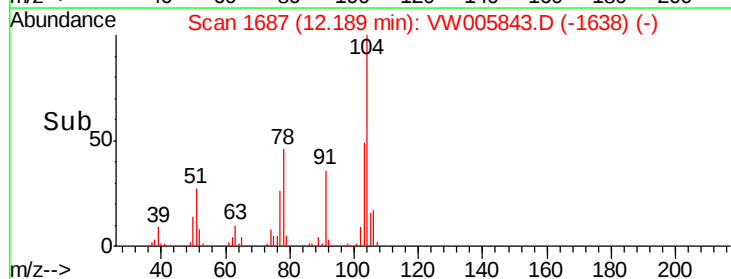
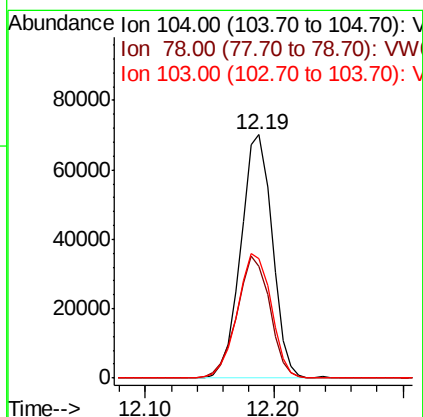
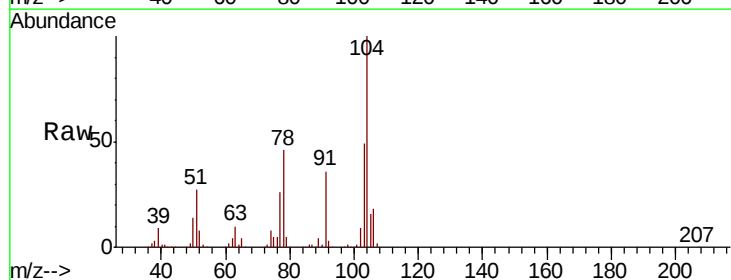
Instrument :
MSVOA_W
ClientSampleId :
VW1004SBSD01

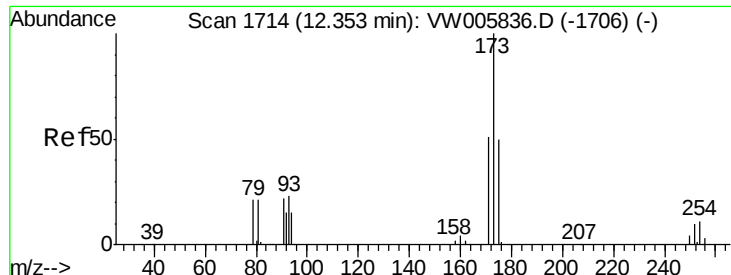
Tot Ion:106 Resp: 71207
Ion Ratio Lower Upper
106 100
91 217.7 109.7 329.1



#70
Styrene
Concen: 19.338 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VW005843.D
Acq: 04 Oct 2018 08:21

Tgt Ion:104 Resp: 118331
Ion Ratio Lower Upper
104 100
78 52.4 42.3 63.5
103 55.3 44.9 67.3





#71

Bromoform

Concen: 18.928 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW005843.D

Acq: 04 Oct 2018 08:21

Instrument :

MSVOA_W

ClientSampleId :

VW1004SBSD01

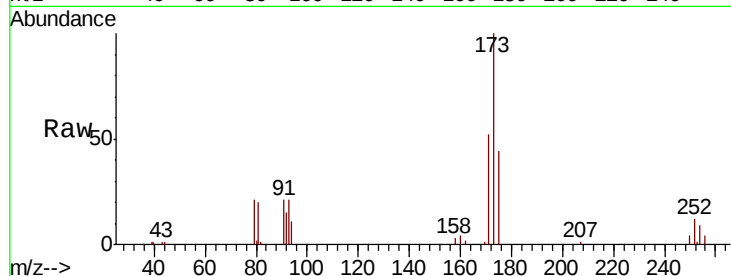
Tot Ion:173 Resp: 22718

Ion Ratio Lower Upper

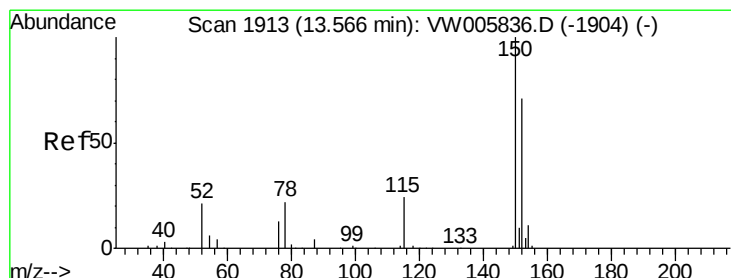
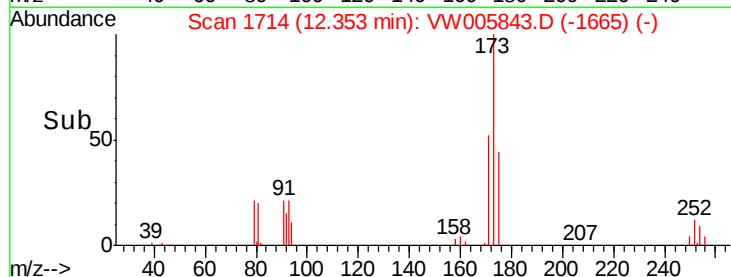
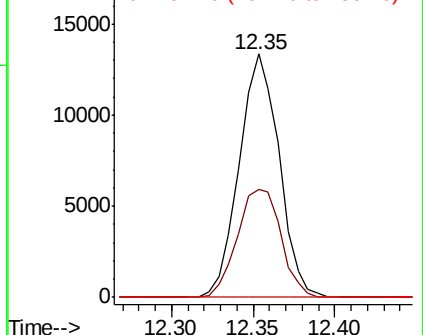
173 100

175 48.6 24.3 72.9

254 0.0 0.1 0.1#



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: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW005843.D

Acq: 04 Oct 2018 08:21

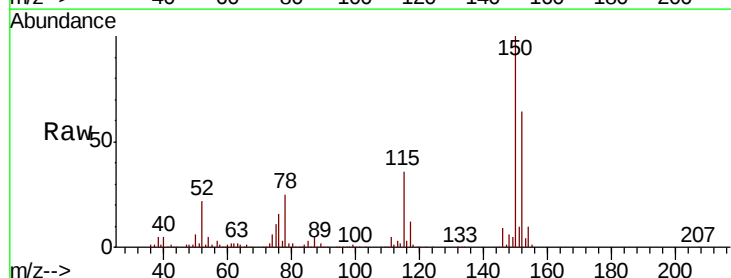
Tgt Ion:152 Resp: 144838

Ion Ratio Lower Upper

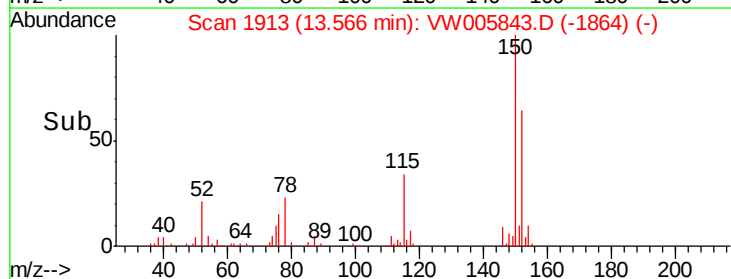
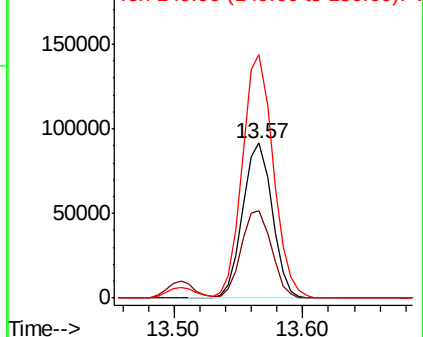
152 100

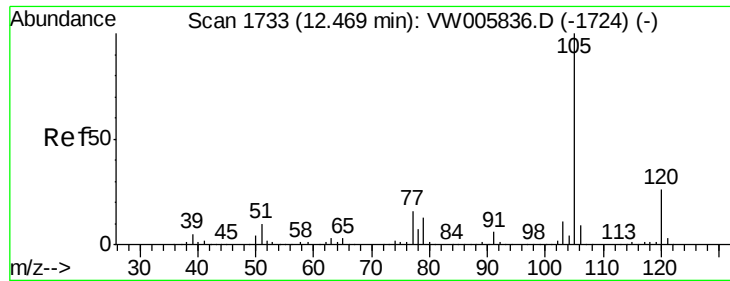
115 58.4 29.8 89.4

150 164.7 0.0 349.4



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





#73

Isopropylbenzene

Concen: 20.168 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW005843.D

Acq: 04 Oct 2018 08:21

Instrument :

MSVOA_W

ClientSampleId :

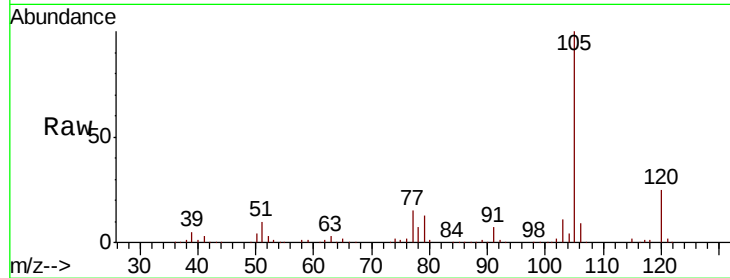
VW1004SBSD01

Tot Ion:105 Resp: 200988

Ion Ratio Lower Upper

105 100

120 25.5 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.47

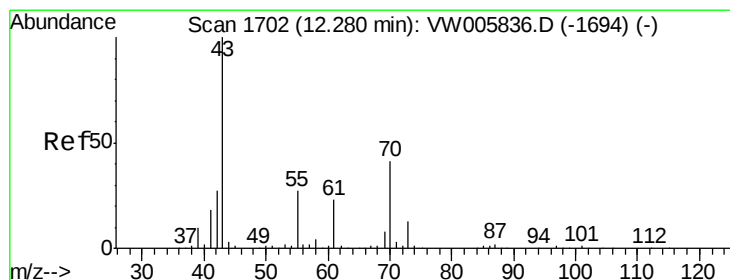
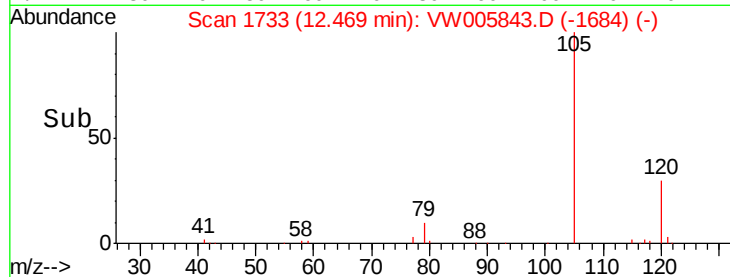
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 18.936 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VW005843.D

Acq: 04 Oct 2018 08:21

Tgt Ion: 43 Resp: 41069

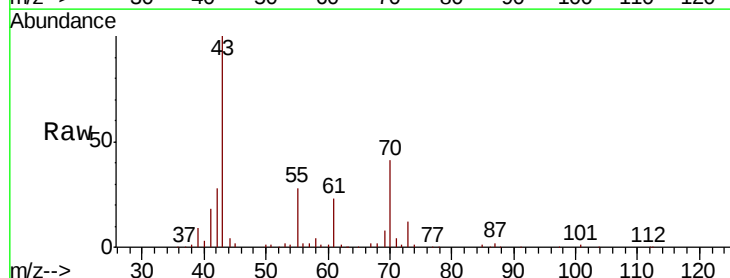
Ion Ratio Lower Upper

43 100

70 41.0 33.6 50.4

55 26.9 21.8 32.6

61 23.1 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

40000

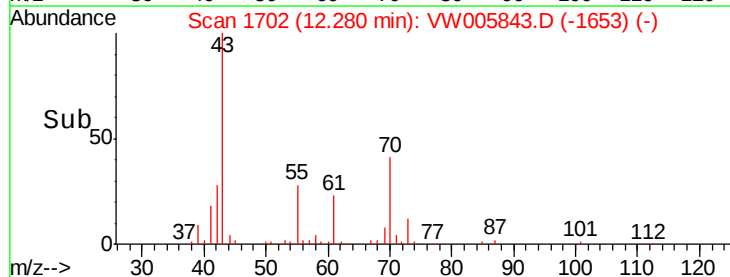
30000

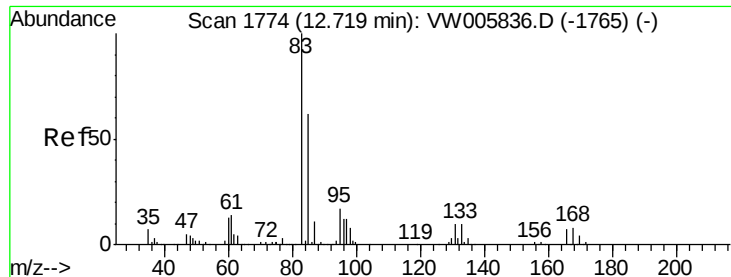
20000

10000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.669 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW005843.D

Acq: 04 Oct 2018 08:21

Instrument :

MSVOA_W

ClientSampleId :

VW1004SBSD01

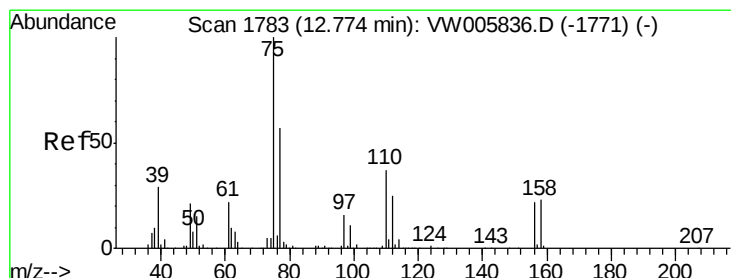
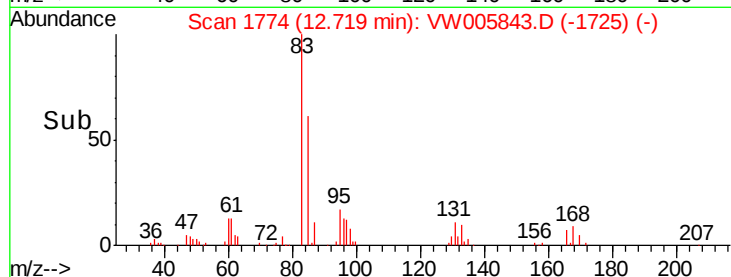
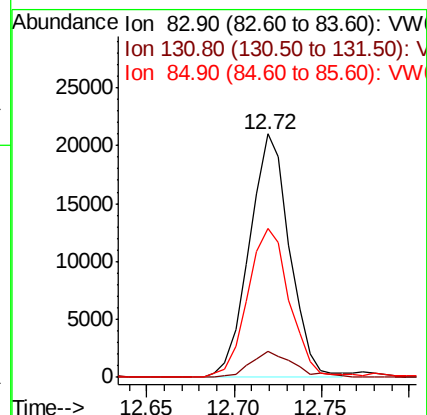
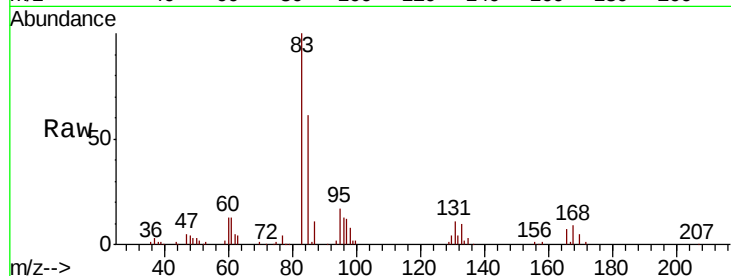
Tot Ion: 83 Resp: 33631

Ion Ratio Lower Upper

83 100

131 11.4 5.9 17.6

85 64.1 31.8 95.3



#76

1,2,3-Trichloropropane

Concen: 35.166 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW005843.D

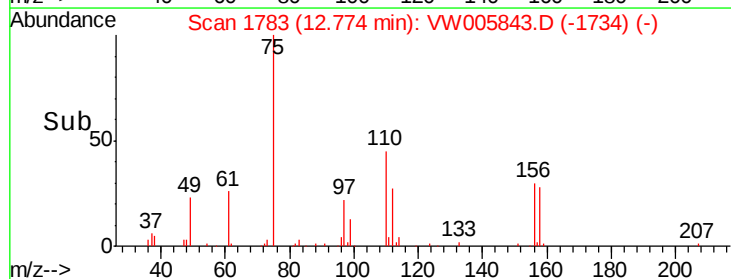
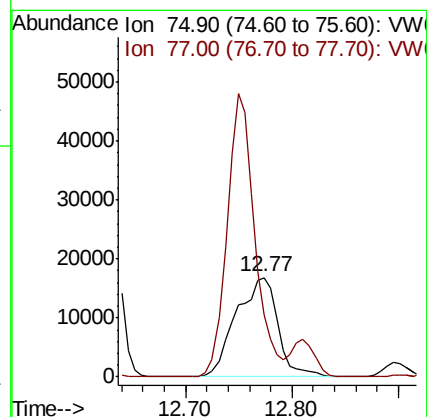
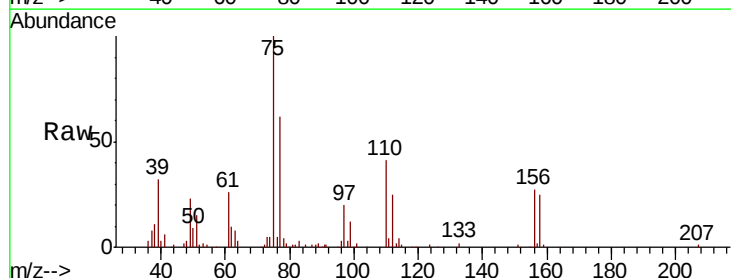
Acq: 04 Oct 2018 08:21

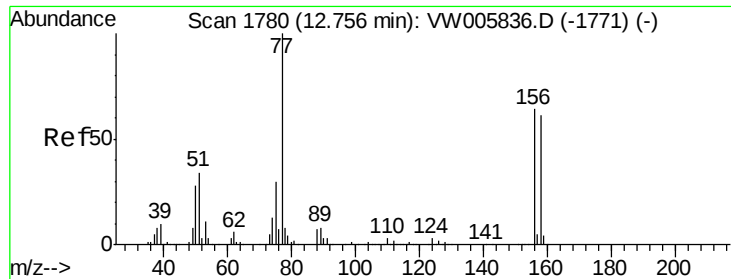
Tgt Ion: 75 Resp: 46289

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 19.722 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.01 min

Lab File: VW005843.D

Acq: 04 Oct 2018 08:21

Instrument :

MSVOA_W

ClientSampleId :

VW1004SBSD01

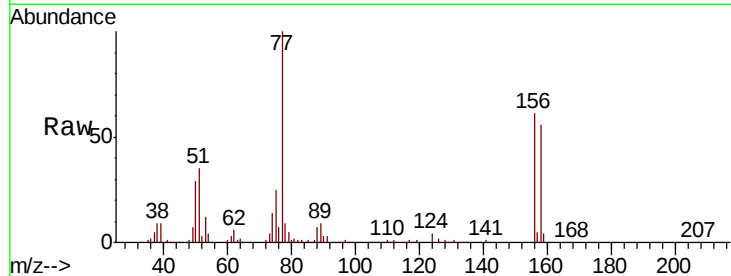
Tot Ion:156 Resp: 48525

Ion Ratio Lower Upper

156 100

77 180.3 91.0 273.1

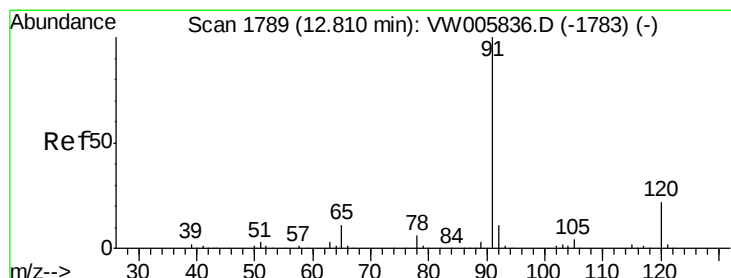
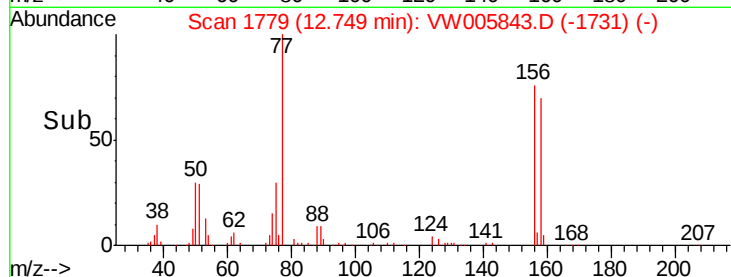
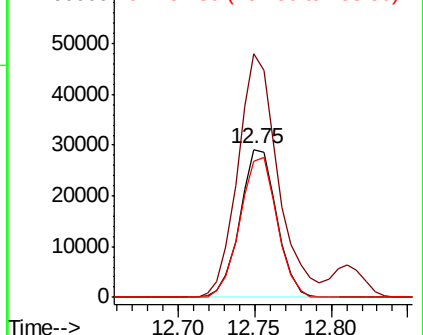
158 95.8 48.4 145.2



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: 20.087 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW005843.D

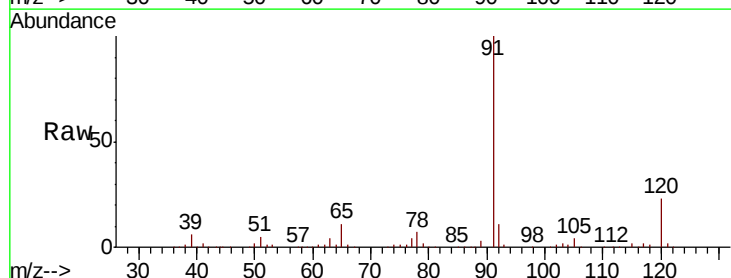
Acq: 04 Oct 2018 08:21

Tgt Ion: 91 Resp: 238102

Ion Ratio Lower Upper

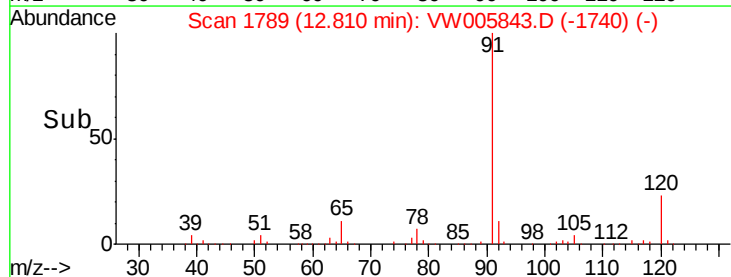
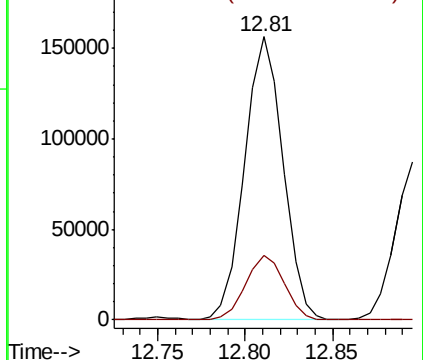
91 100

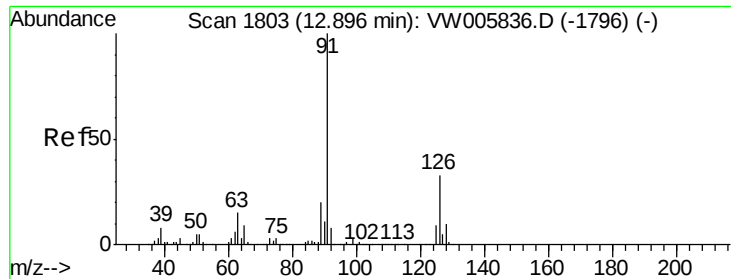
120 22.9 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

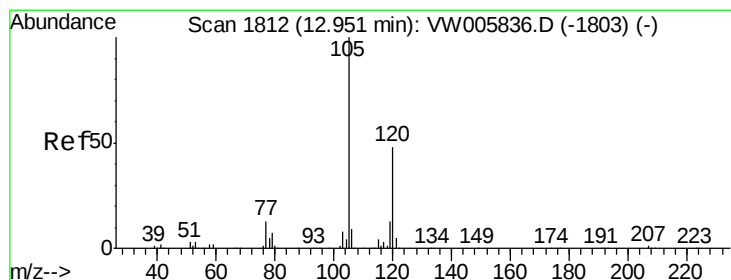
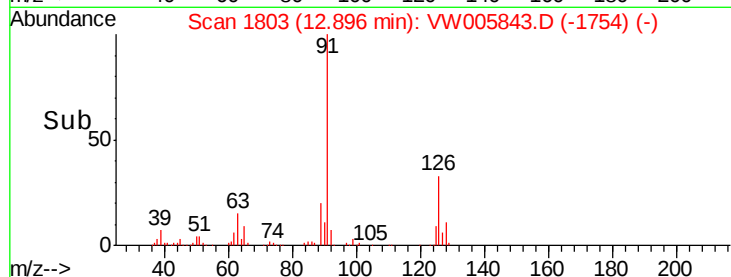
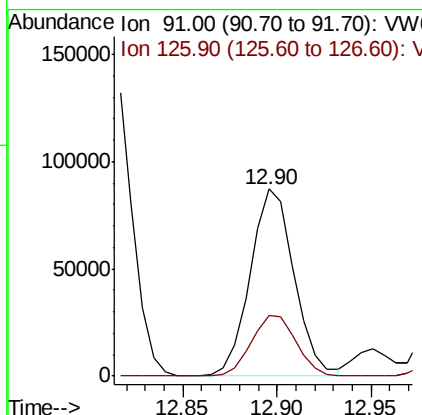
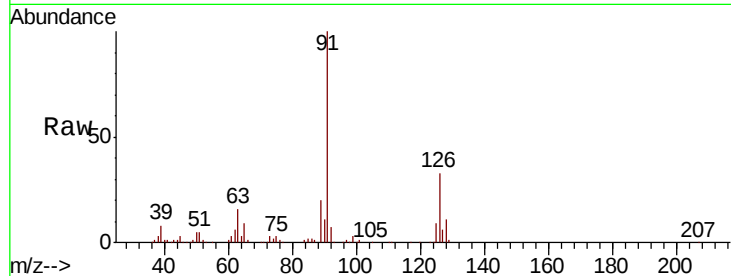




#79
 2-Chlorotoluene
 Concen: 19.939 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW005843.D
 Acq: 04 Oct 2018 08:21

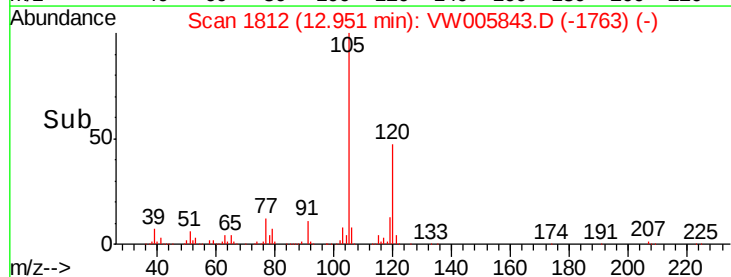
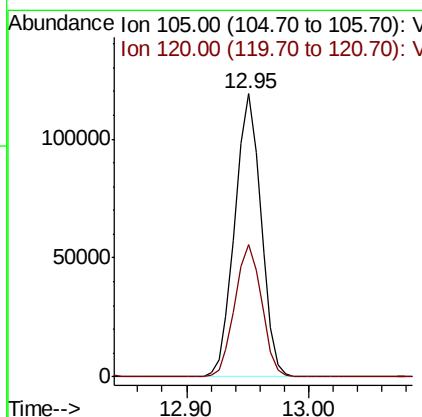
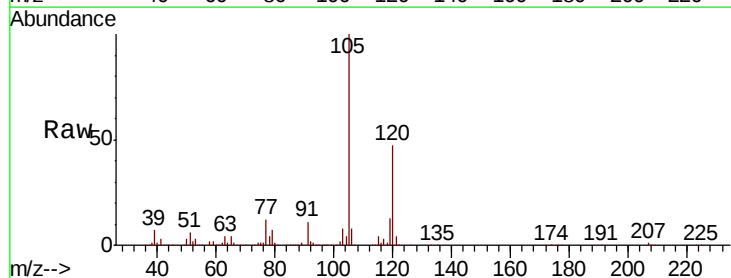
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1004SBSD01

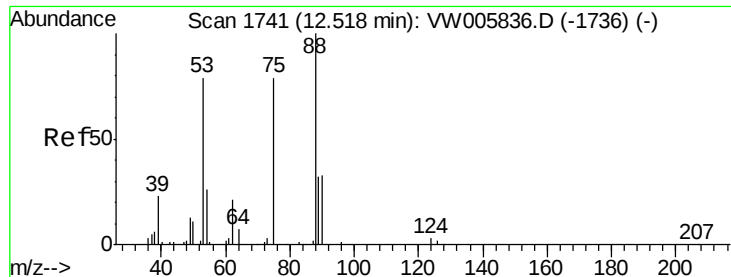
Tot Ion: 91 Resp: 140766
 Ion Ratio Lower Upper
 91 100
 126 33.5 16.6 49.8



#80
 1,3,5-Trimethylbenzene
 Concen: 20.421 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. -0.00 min
 Lab File: VW005843.D
 Acq: 04 Oct 2018 08:21

Tgt Ion: 105 Resp: 176727
 Ion Ratio Lower Upper
 105 100
 120 47.7 23.8 71.2





#81

trans-1,4-Dichloro-2-butene

Concen: 18.344 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VW005843.D

Acq: 04 Oct 2018 08:21

Instrument :

MSVOA_W

ClientSampleId :

VW1004SBSD01

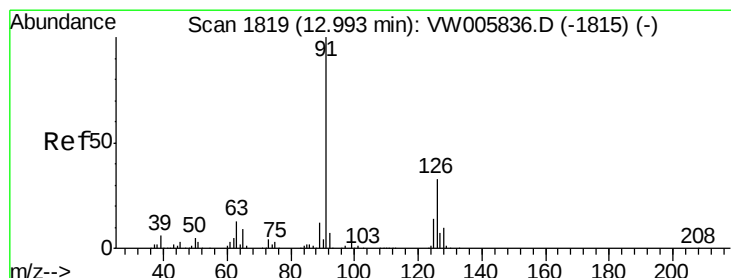
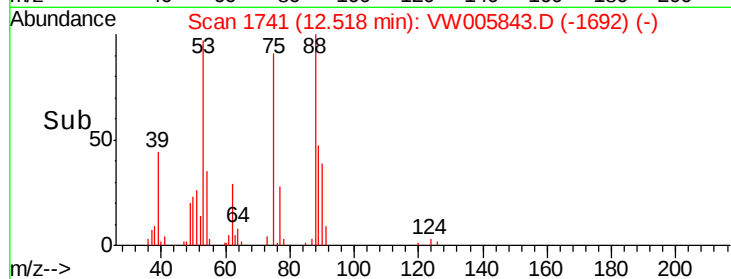
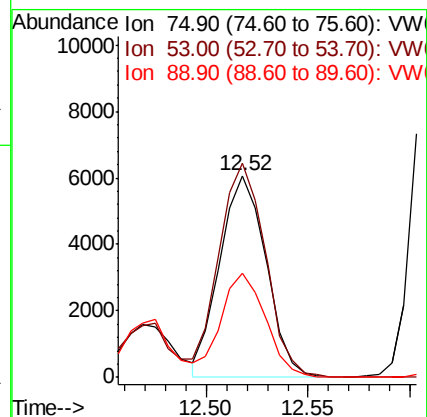
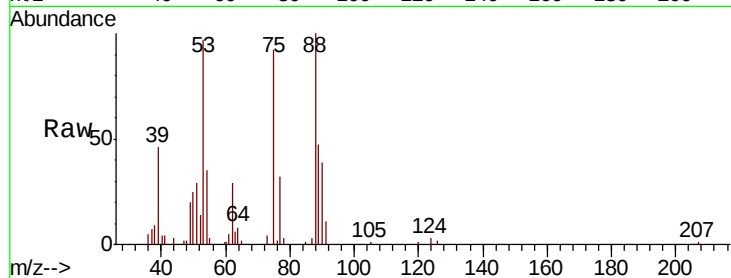
Tot Ion: 75 Resp: 9552

Ion Ratio Lower Upper

75 100

53 106.3 83.7 125.5

89 49.7 37.5 56.3



#82

4-Chlorotoluene

Concen: 19.859 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW005843.D

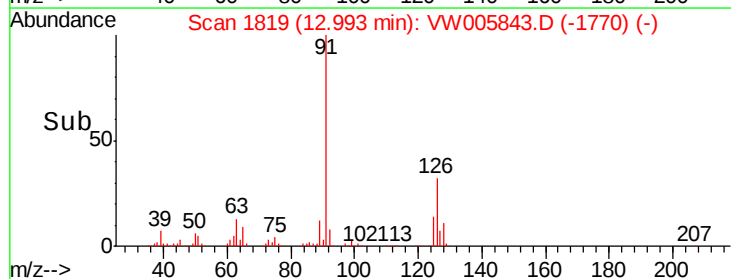
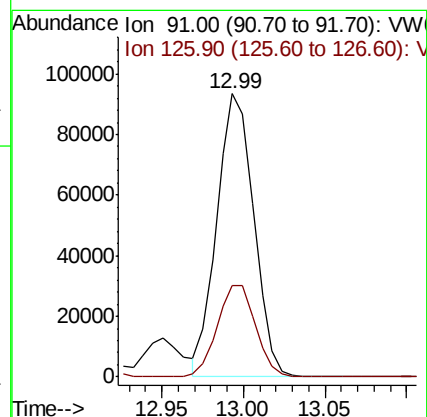
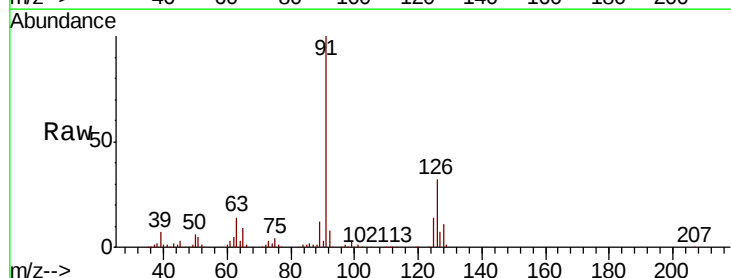
Acq: 04 Oct 2018 08:21

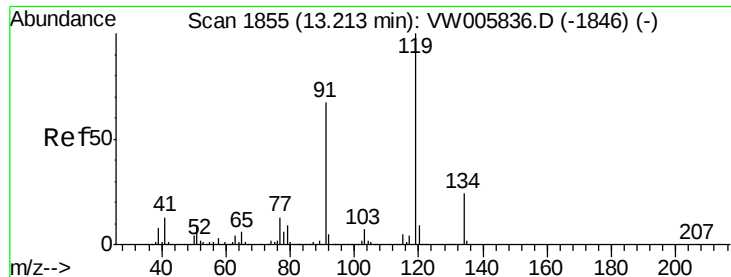
Tgt Ion: 91 Resp: 147787

Ion Ratio Lower Upper

91 100

126 33.7 16.7 50.0

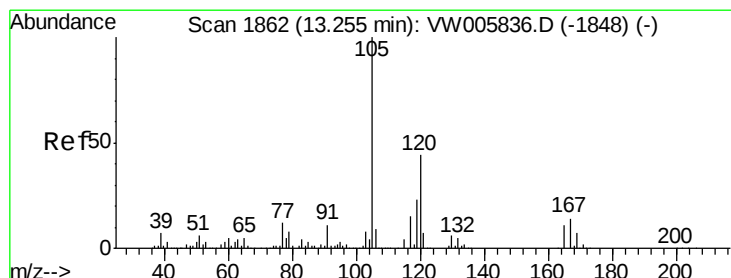
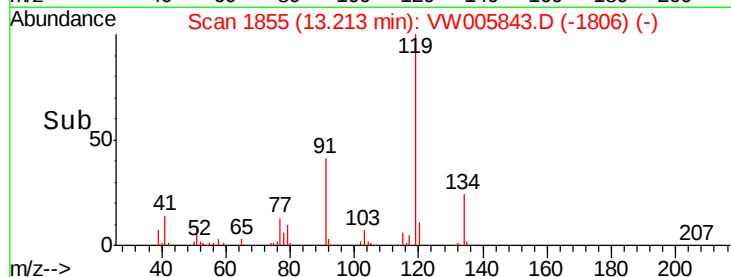
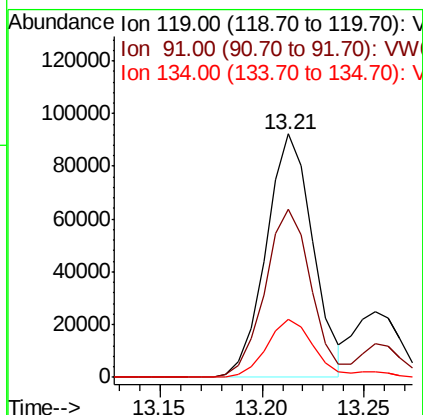
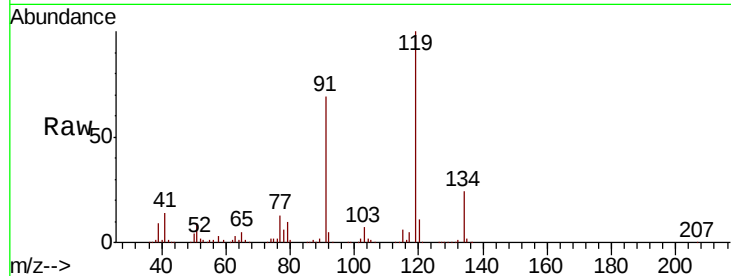




#83
tert-Butylbenzene
Concen: 20.455 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW005843.D
Acq: 04 Oct 2018 08:21

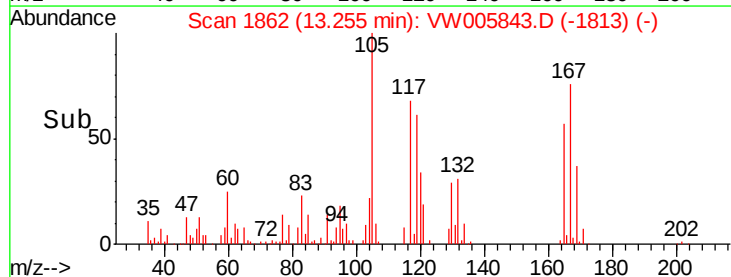
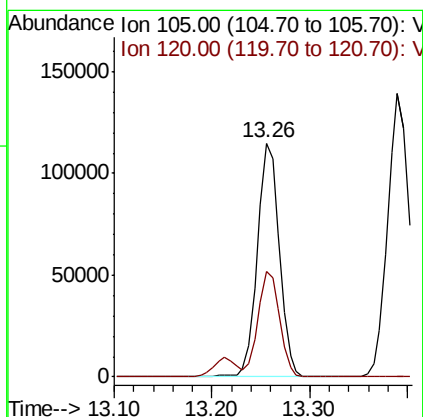
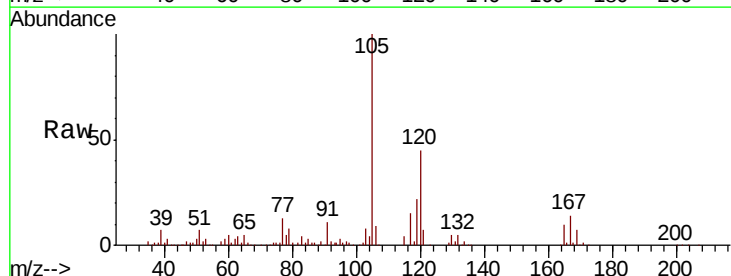
Instrument :
MSVOA_W
ClientSampleId :
VW1004SBSD01

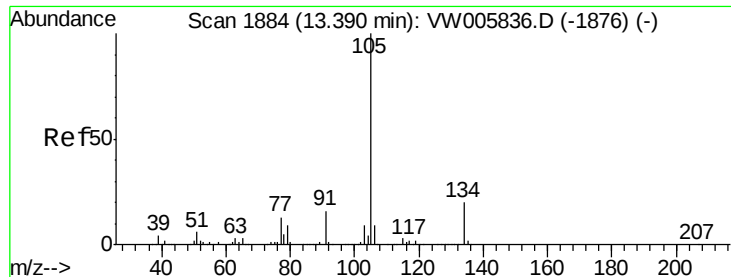
Tot Ion:119 Resp: 147632
Ion Ratio Lower Upper
119 100
91 67.9 33.4 100.2
134 23.7 12.8 38.3



#84
1,2,4-Trimethylbenzene
Concen: 20.168 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW005843.D
Acq: 04 Oct 2018 08:21

Tgt Ion:105 Resp: 179209
Ion Ratio Lower Upper
105 100
120 44.3 21.9 65.7





#85

sec-Butylbenzene

Concen: 20.477 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW005843.D

Acq: 04 Oct 2018 08:21

Instrument :

MSVOA_W

ClientSampleId :

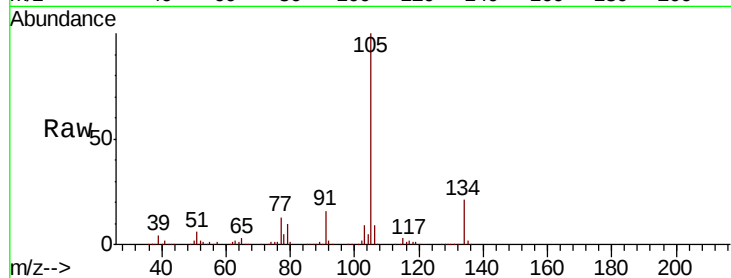
VW1004SBSD01

Tot Ion:105 Resp: 213342

Ion Ratio Lower Upper

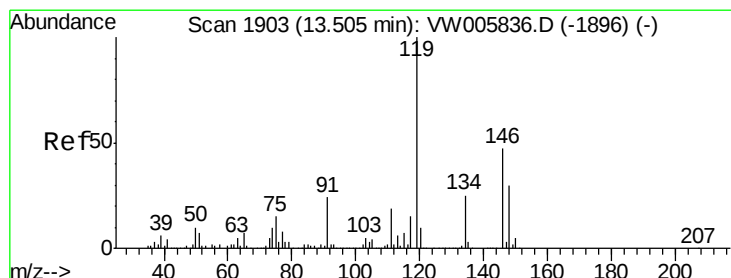
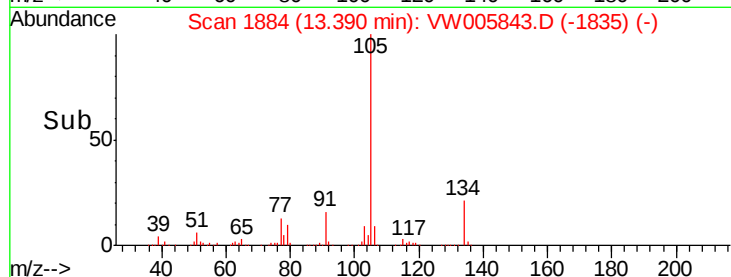
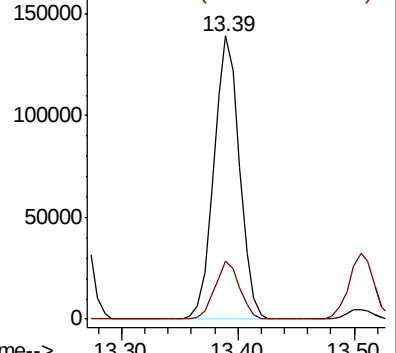
105 100

134 19.9 10.0 30.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.152 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW005843.D

Acq: 04 Oct 2018 08:21

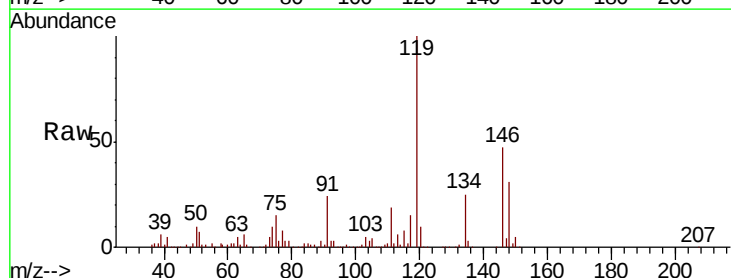
Tgt Ion:119 Resp: 188453

Ion Ratio Lower Upper

119 100

134 25.7 12.7 38.0

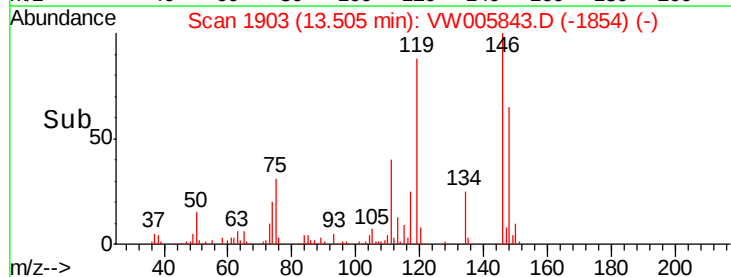
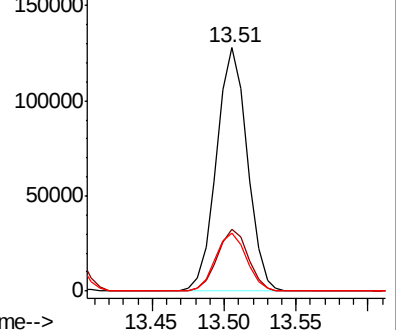
91 24.4 11.9 35.9

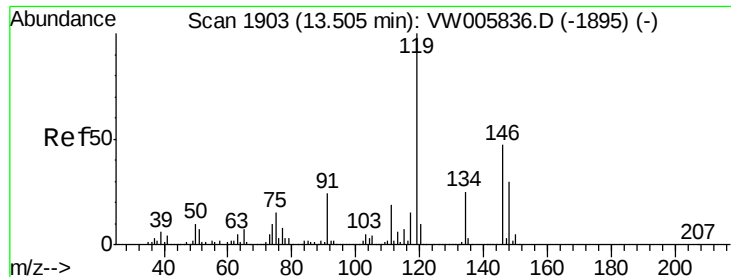


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

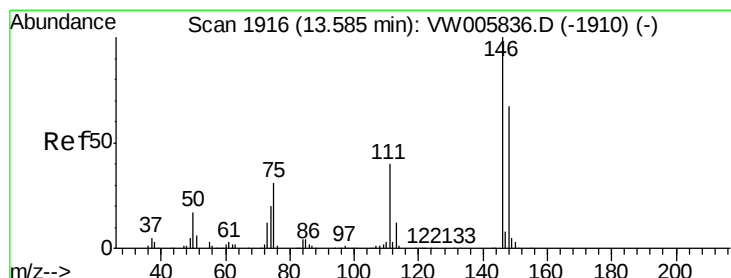
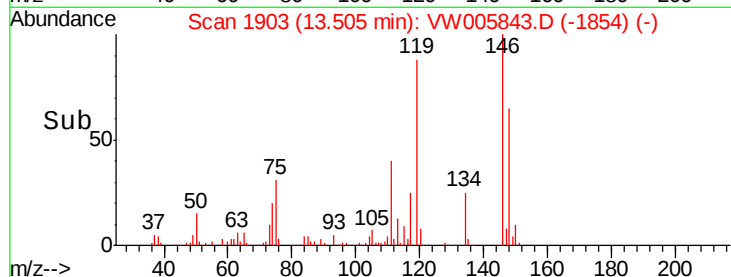
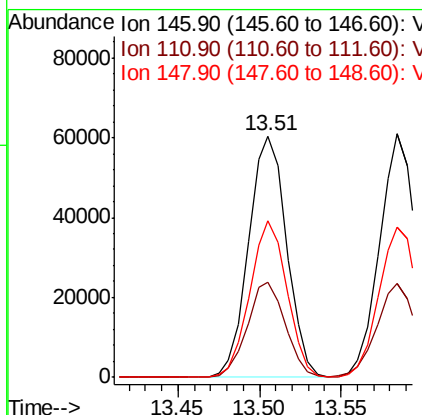
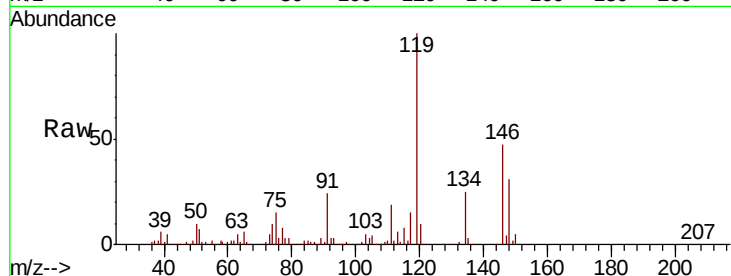




#87
 1,3-Dichlorobenzene
 Concen: 19.756 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW005843.D
 Acq: 04 Oct 2018 08:21

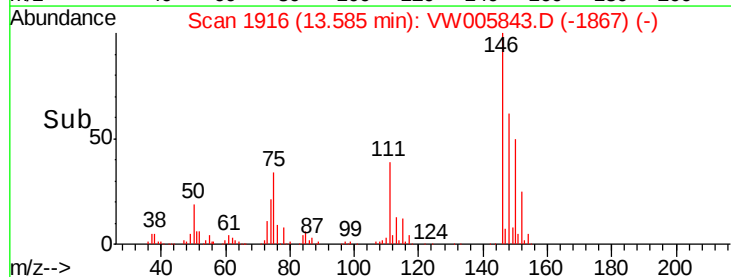
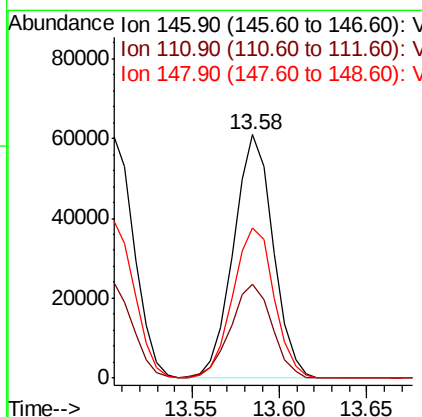
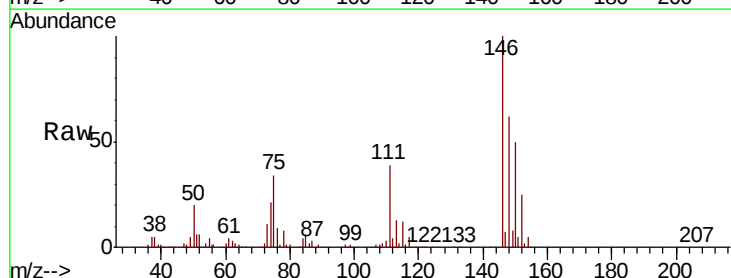
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1004SBSD01

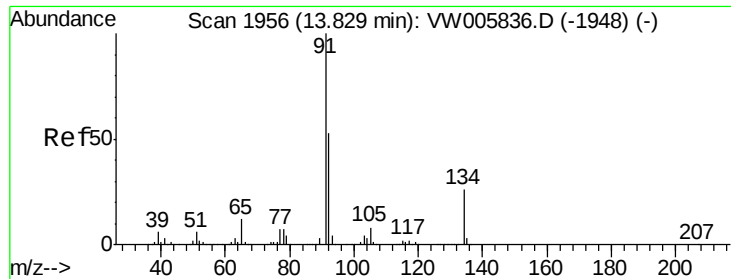
Tot Ion:146 Resp: 98063
 Ion Ratio Lower Upper
 146 100
 111 39.6 19.9 59.7
 148 63.4 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 19.345 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW005843.D
 Acq: 04 Oct 2018 08:21

Tgt Ion:146 Resp: 95803
 Ion Ratio Lower Upper
 146 100
 111 40.9 19.7 59.1
 148 64.4 32.1 96.5





#89

n-Butylbenzene

Concen: 19.738 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW005843.D

Acq: 04 Oct 2018 08:21

Instrument :

MSVOA_W

ClientSampleId :

VW1004SBSD01

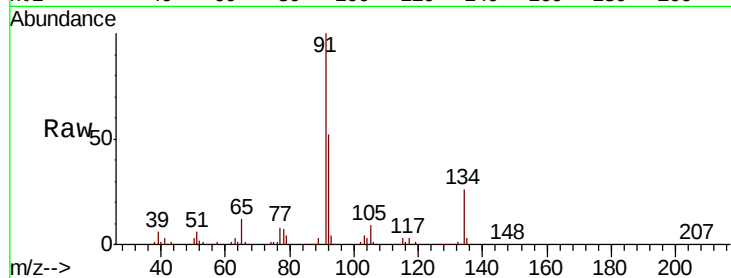
Tot Ion: 91 Resp: 169999

Ion Ratio Lower Upper

91 100

92 52.2 26.2 78.5

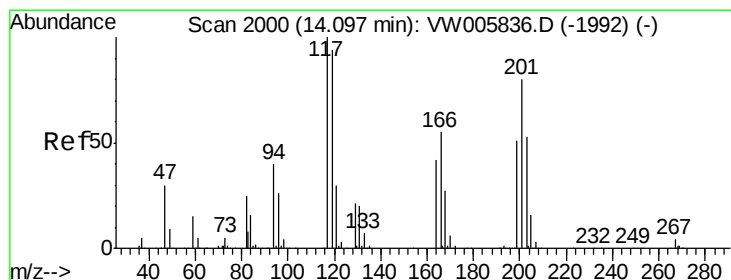
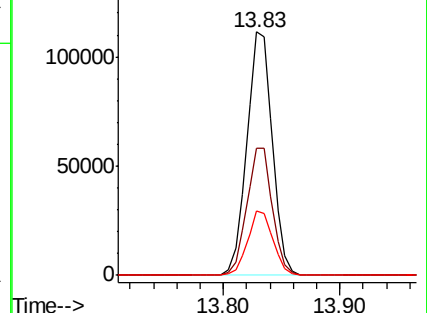
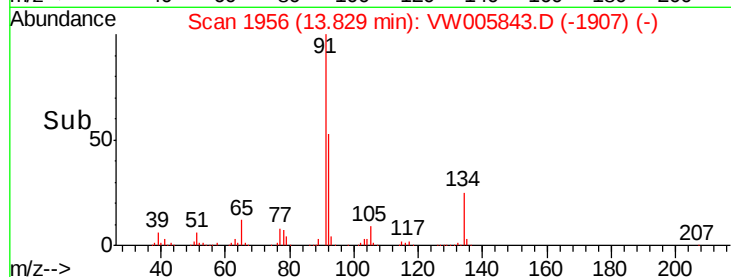
134 26.3 13.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 19.591 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW005843.D

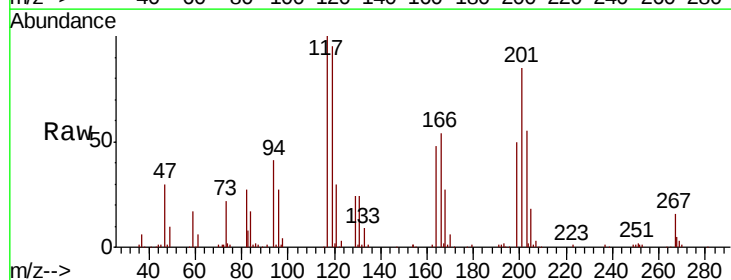
Acq: 04 Oct 2018 08:21

Tgt Ion: 117 Resp: 34448

Ion Ratio Lower Upper

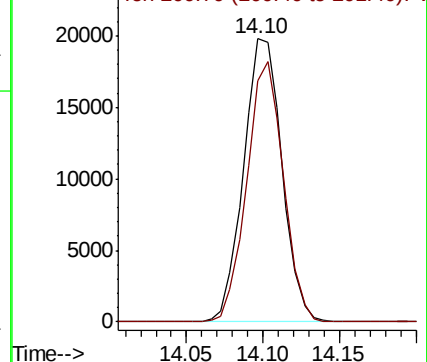
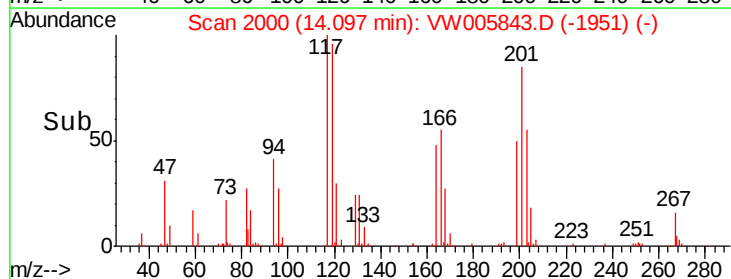
117 100

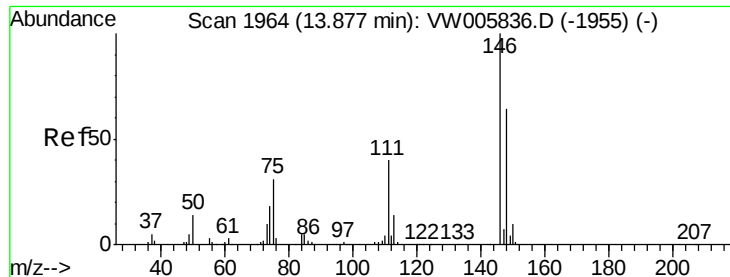
201 87.6 43.7 131.1



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 19.829 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VW005843.D

Acq: 04 Oct 2018 08:21

Instrument :

MSVOA_W

ClientSampleId :

VW1004SBSD01

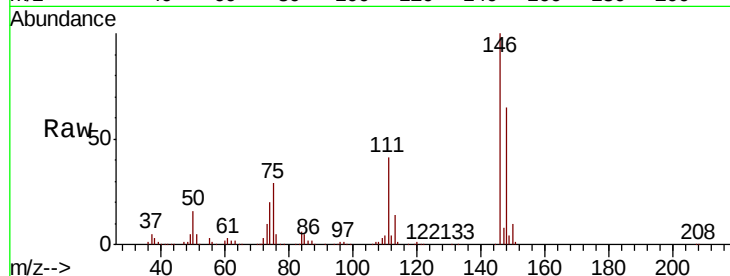
Tot Ion:146 Resp: 88489

Ion Ratio Lower Upper

146 100

111 40.4 20.4 61.3

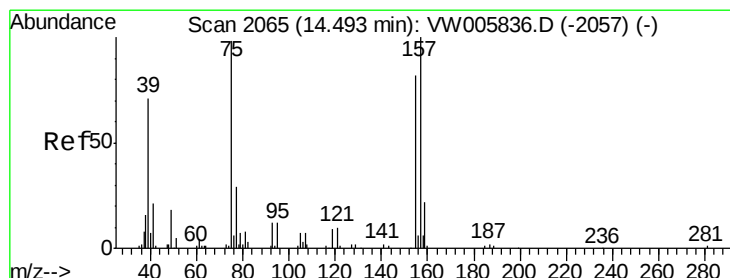
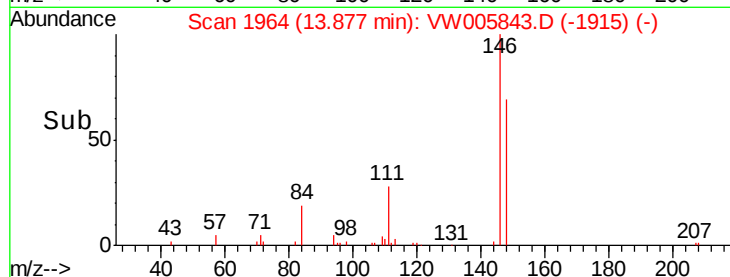
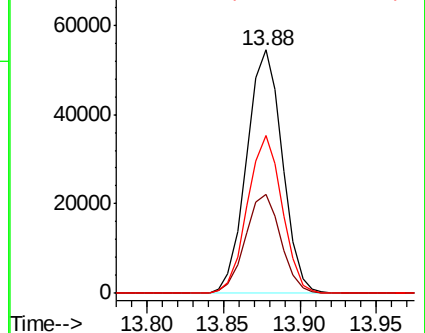
148 62.8 32.1 96.3



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: 19.917 ug/l

RT: 14.49 min Scan# 2065

Delta R.T. -0.00 min

Lab File: VW005843.D

Acq: 04 Oct 2018 08:21

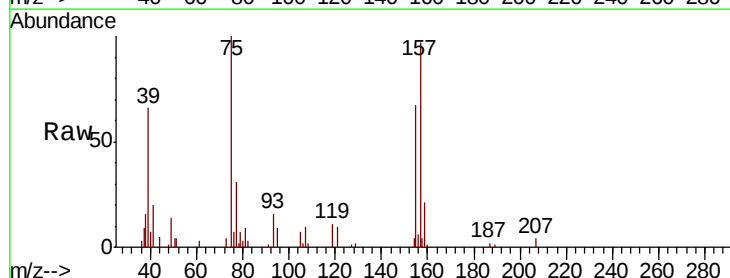
Tgt Ion: 75 Resp: 6584

Ion Ratio Lower Upper

75 100

155 74.1 41.3 123.9

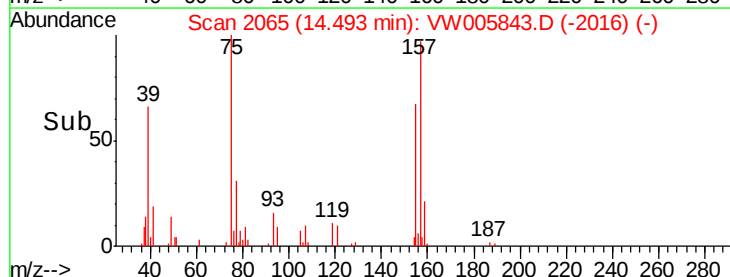
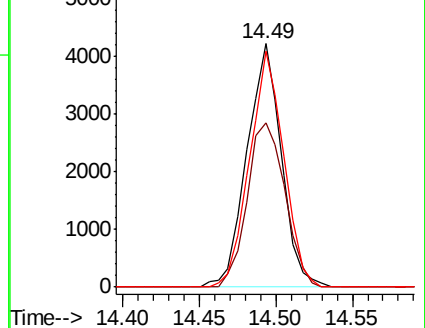
157 96.1 51.9 155.7

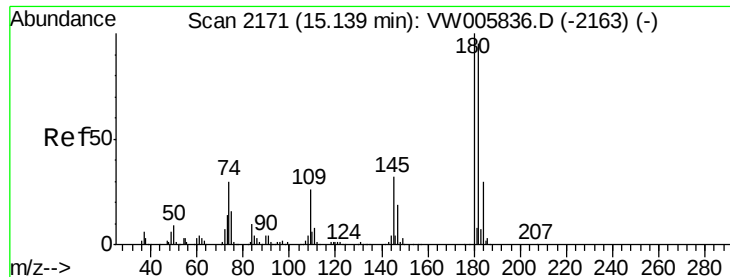


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

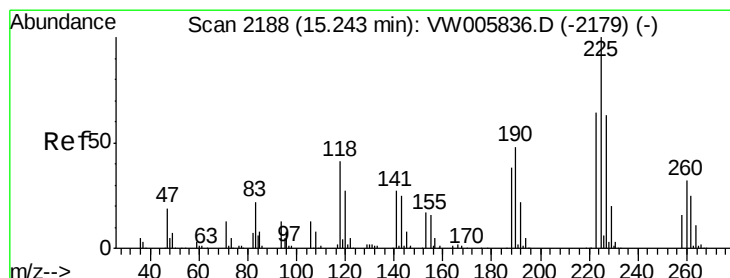
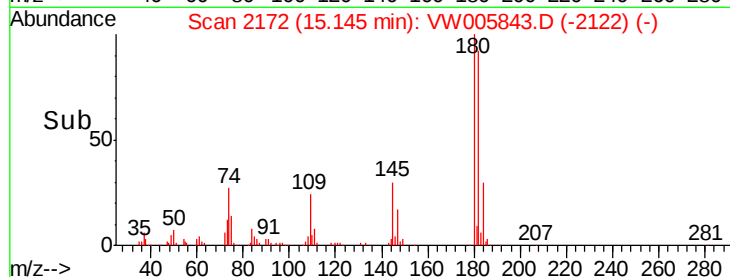
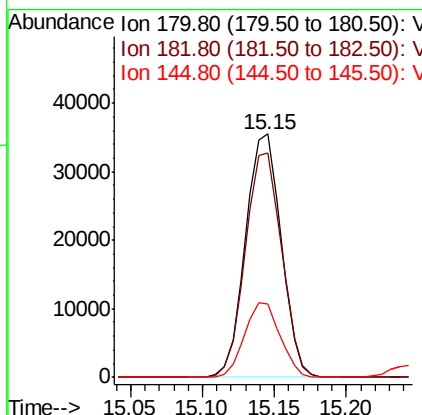
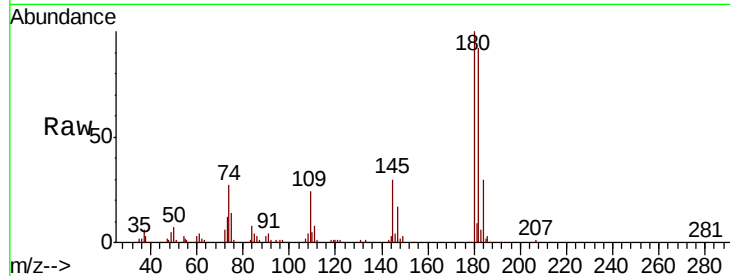




#93
 1,2,4-Trichlorobenzene
 Concen: 19.491 ug/l
 RT: 15.15 min Scan# 2172
 Delta R.T. 0.01 min
 Lab File: VW005843.D
 Acq: 04 Oct 2018 08:21

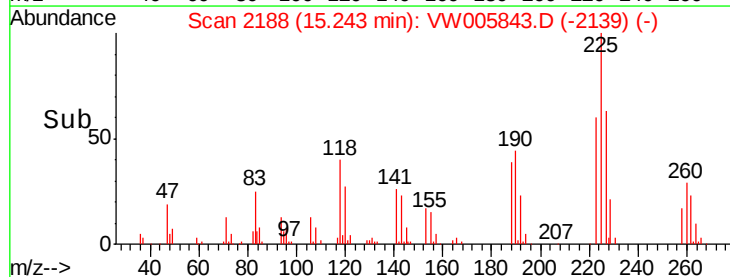
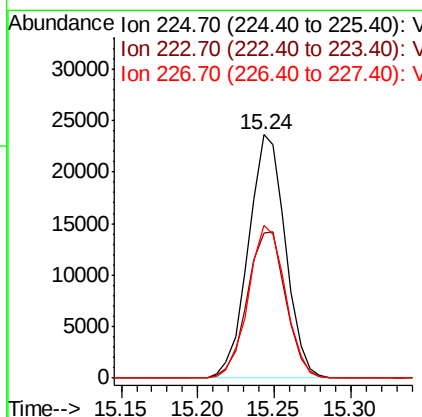
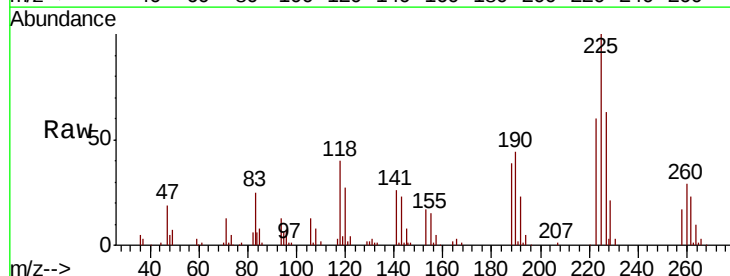
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1004SBSD01

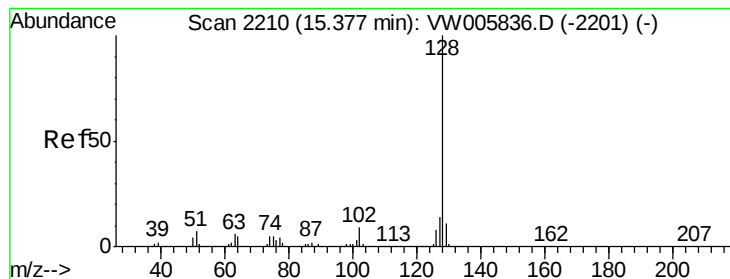
Tot Ion:180 Resp: 60789
 Ion Ratio Lower Upper
 180 100
 182 94.0 47.6 142.8
 145 30.5 15.0 45.0



#94
 Hexachlorobutadiene
 Concen: 20.151 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW005843.D
 Acq: 04 Oct 2018 08:21

Tgt Ion:225 Resp: 39740
 Ion Ratio Lower Upper
 225 100
 223 62.4 31.2 93.6
 227 62.9 31.7 95.1





#95

Naphthalene

Concen: 19.132 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW005843.D

Acq: 04 Oct 2018 08:21

Instrument :

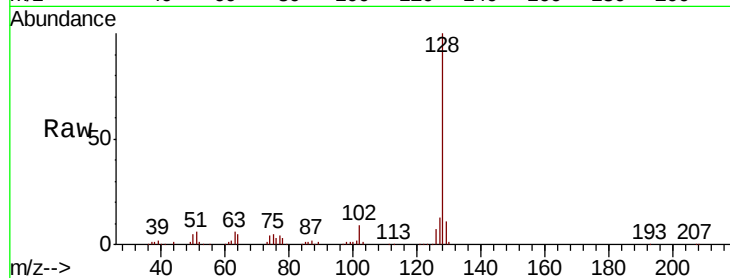
MSVOA_W

ClientSampleId :

VW1004SBSD01

Tot Ion:128 Resp: 105180

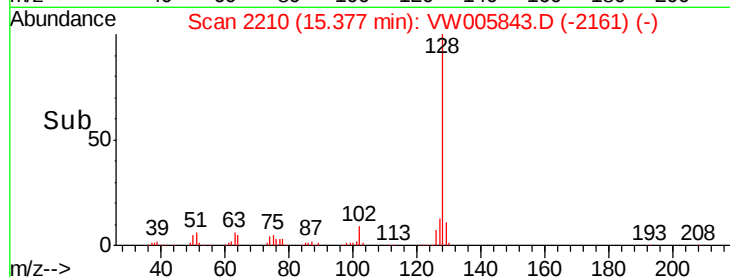
Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.9	16.3
129	11.1	8.9	13.3



Abundance Ion 128.00 (127.70 to 128.70): V

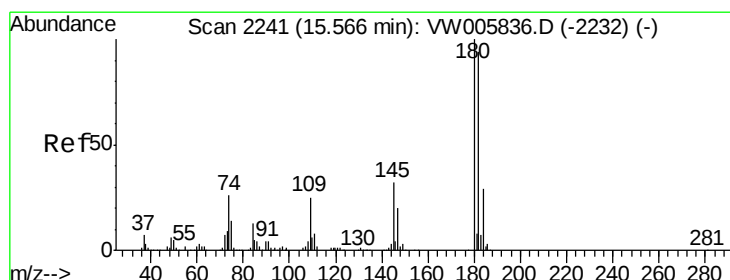
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



15.38

Time-->



#96

1,2,3-Trichlorobenzene

Concen: 19.883 ug/l

RT: 15.57 min Scan# 2241

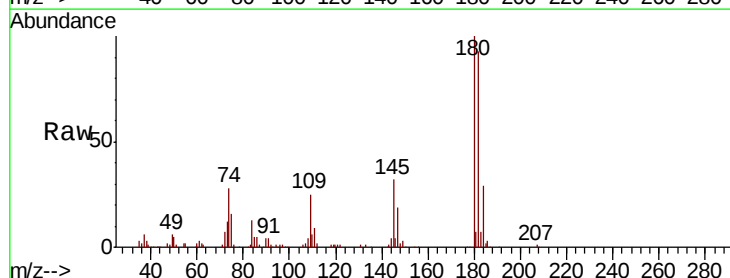
Delta R.T. -0.00 min

Lab File: VW005843.D

Acq: 04 Oct 2018 08:21

Tgt Ion:180 Resp: 55749

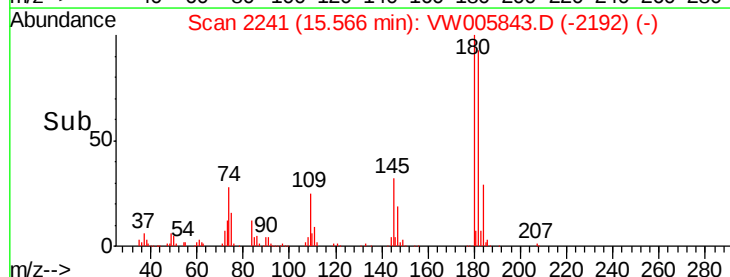
Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.3	142.0
145	32.4	16.1	48.2



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



15.57

Time-->