

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100418\
 Data File : VW005838.D
 Acq On : 04 Oct 2018 05:20
 Operator : SY/AP
 Sample : VSTDICC100
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC100

Quant Time: Oct 04 06:37:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100418S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 04 05:22:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	207452	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	309658	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	288671	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	153961	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	235775	95.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	191.64%	
35) Dibromofluoromethane	7.88	113	200311	102.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	204.26%	
50) Toluene-d8	10.33	98	826673	104.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	208.20%	
62) 4-Bromofluorobenzene	12.63	95	302297	102.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	205.24%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	119550	86.217	ug/l	93
3) Chloromethane	2.21	50	140035	85.421	ug/l	99
4) Vinyl Chloride	2.37	62	203479	100.831	ug/l	100
5) Bromomethane	2.79	94	141189	103.097	ug/l	100
6) Chloroethane	2.93	64	127143	98.322	ug/l	98
7) Trichlorofluoromethane	3.26	101	149164	96.121	ug/l	99
8) Diethyl Ether	3.68	74	104246	99.880	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	190789	96.018	ug/l	99
10) Methyl Iodide	4.27	142	322920	104.431	ug/l	99
11) Tert butyl alcohol	5.21	59	66863	469.856	ug/l #	86
12) 1,1-Dichloroethene	4.04	96	190307	99.370	ug/l	99
13) Acrolein	3.89	56	68696	622.563	ug/l	99
14) Allyl chloride	4.67	41	324663	98.440	ug/l	100
15) Acrylonitrile	5.37	53	221048	478.276	ug/l	99
16) Acetone	4.14	43	182002	413.729	ug/l	98
17) Carbon Disulfide	4.37	76	622961	103.243	ug/l	100
18) Methyl Acetate	4.68	43	115066	97.073	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	312859	104.617	ug/l	96
20) Methylene Chloride	4.91	84	214908	86.382	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	216518	103.237	ug/l	98
22) Diisopropyl ether	6.31	45	645238	100.429	ug/l	98
23) Vinyl Acetate	6.26	43	1856058	502.781	ug/l	99
24) 1,1-Dichloroethane	6.21	63	396415	99.368	ug/l	99
25) 2-Butanone	7.18	43	277093	459.024	ug/l	98
26) 2,2-Dichloropropane	7.17	77	231649	84.822	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	239689	103.852	ug/l	98
28) Bromochloromethane	7.52	49	128428	82.798	ug/l	99
29) Tetrahydrofuran	7.54	42	181377	479.941	ug/l	98
30) Chloroform	7.68	83	423028	102.253	ug/l	100
31) Cyclohexane	7.96	56	339677	89.753	ug/l	95
32) 1,1,1-Trichloroethane	7.88	97	363699	100.048	ug/l	99
36) 1,1-Dichloropropene	8.09	75	321399	102.391	ug/l	99
37) Ethyl Acetate	7.26	43	128536	96.622	ug/l	100
38) Carbon Tetrachloride	8.07	117	347861	103.304	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	388211	105.192	ug/l	98
40) Benzene	8.33	78	908971	101.853	ug/l	99
41) Methacrylonitrile	7.49	41	75689	98.367	ug/l	96
42) 1,2-Dichloroethane	8.40	62	293877	101.642	ug/l	100
43) Isopropyl Acetate	8.43	43	263465	100.188	ug/l	100
44) Trichloroethene	9.10	130	238710	104.146	ug/l	98
45) 1,2-Dichloropropane	9.37	63	217790	100.186	ug/l	96
46) Dibromomethane	9.46	93	115468	104.150	ug/l	98
47) Bromodichloromethane	9.65	83	311656	105.485	ug/l	98
48) Methyl methacrylate	9.44	41	134143	107.255	ug/l	100
49) 1,4-Dioxane	9.48	88	38400	2169.999	ug/l #	98
51) 4-Methyl-2-Pentanone	10.21	43	673421	506.723	ug/l	99
52) Toluene	10.39	92	594903	106.588	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	315009	106.449	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	350663	105.888	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	164368	104.194	ug/l	99
56) Ethyl methacrylate	10.65	69	221655	113.908	ug/l	99
57) 1,3-Dichloropropane	10.94	76	287193	103.255	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	428865	495.941	ug/l	99
59) 2-Hexanone	10.98	43	461600	512.499	ug/l	99
60) Dibromochloromethane	11.13	129	208859	108.709	ug/l	96
61) 1,2-Dibromoethane	11.24	107	157767	107.035	ug/l	97
64) Tetrachloroethene	10.87	164	233247	111.543	ug/l	99
65) Chlorobenzene	11.66	112	645107	104.397	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	238801	106.642	ug/l	98
67) Ethyl Benzene	11.74	91	1172876	107.238	ug/l	100
68) m/p-Xylenes	11.85	106	892728	215.310	ug/l	99
69) o-Xylene	12.17	106	421439	108.625	ug/l	100
70) Styrene	12.19	104	713993	109.373	ug/l	99
71) Bromoform	12.35	173	130952	108.967	ug/l #	100
73) Isopropylbenzene	12.47	105	1185460	110.901	ug/l	100
74) N-amyl acetate	12.28	43	252667	104.096	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	184911	102.817	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	261862	196.183	ug/l #	100
77) Bromobenzene	12.76	156	276431	109.181	ug/l	99
78) n-propylbenzene	12.81	91	1388944	107.615	ug/l	99
79) 2-Chlorotoluene	12.90	91	813486	108.455	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	1014576	109.072	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	59129	100.850	ug/l	99
82) 4-Chlorotoluene	12.99	91	846389	106.973	ug/l	100
83) tert-Butylbenzene	13.21	119	862234	110.421	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	1035764	110.132	ug/l	100
85) sec-Butylbenzene	13.39	105	1215656	107.619	ug/l	100
86) p-Isopropyltoluene	13.51	119	1104782	108.786	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	541772	104.905	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	530507	103.421	ug/l	99
89) n-Butylbenzene	13.83	91	1008929	105.949	ug/l	100
90) Hexachloroethane	14.10	117	194463	105.591	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	482485	105.425	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	36111	104.277	ug/l	97

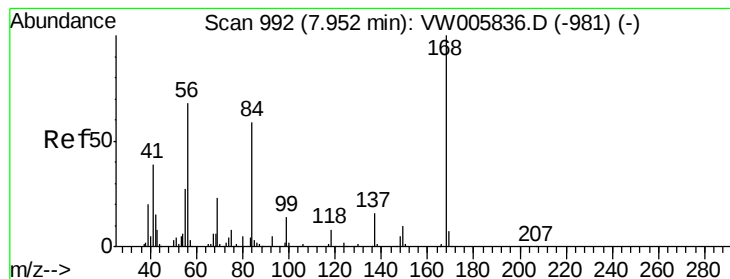
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW100418\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	349023	107.433	ug/l	99
94) Hexachlorobutadiene	15.24	225	213686	102.077	ug/l	100
95) Naphthalene	15.38	128	644753	116.578	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	315585	109.626	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: VW005838.D

Acq: 04 Oct 2018 05:20

Instrument :

MSVOA_W

ClientSampleId :

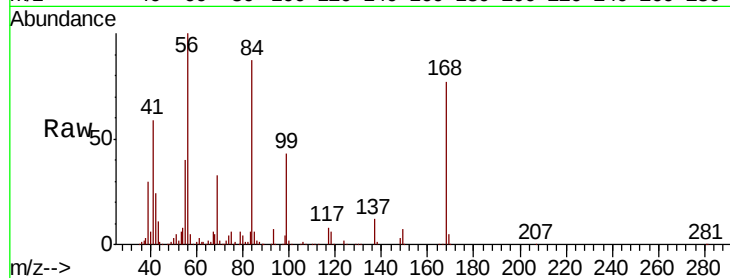
VSTDICC100

Tgt Ion:168 Resp: 207452

Ion Ratio Lower Upper

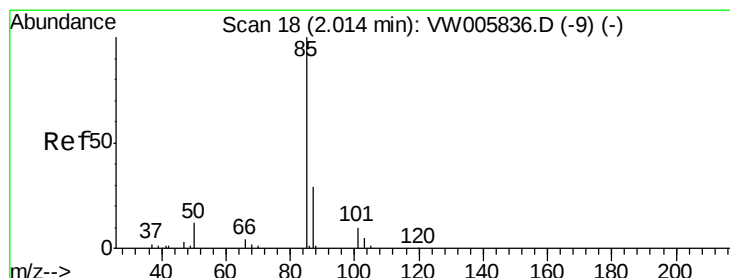
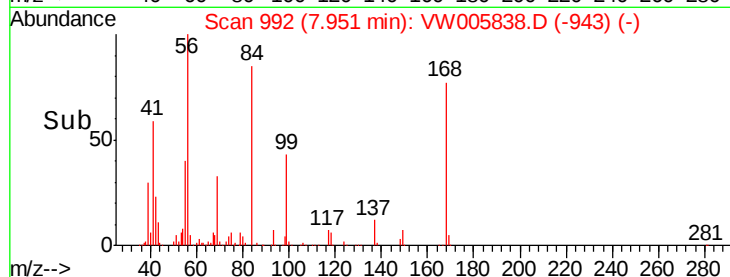
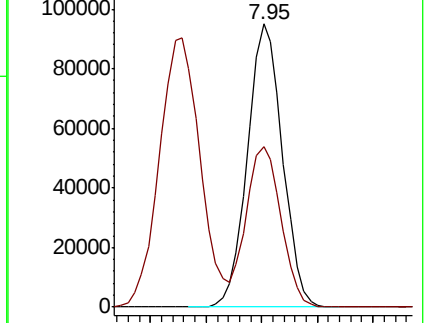
168 100

99 56.5 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: 86.217 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW005838.D

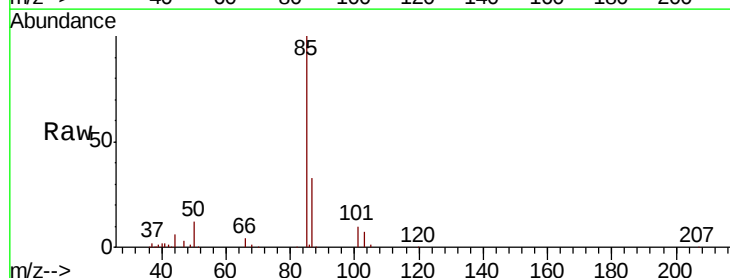
Acq: 04 Oct 2018 05:20

Tgt Ion: 85 Resp: 119550

Ion Ratio Lower Upper

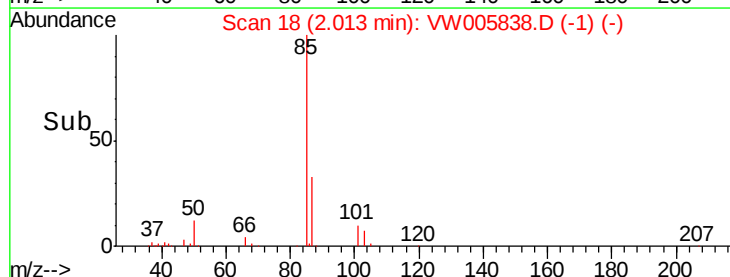
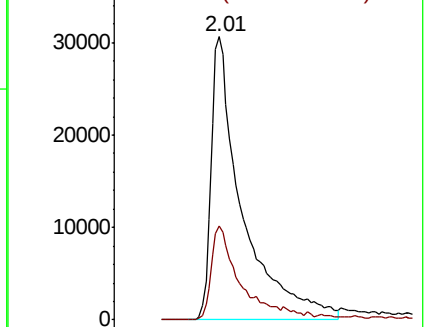
85 100

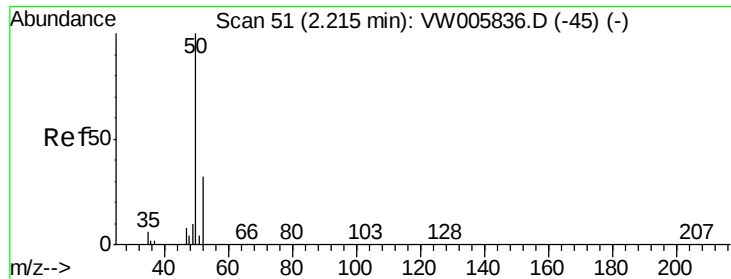
87 33.3 14.8 44.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

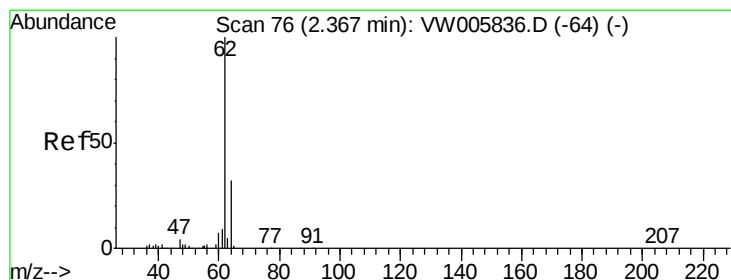
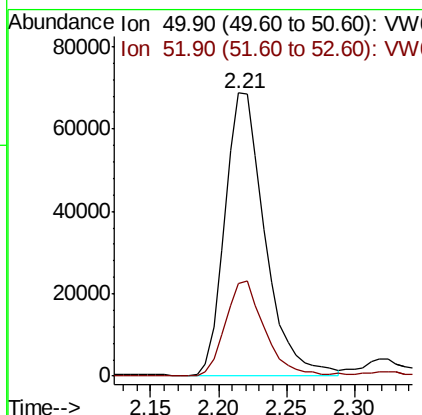
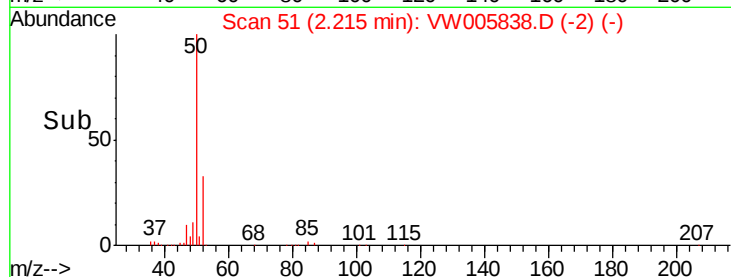
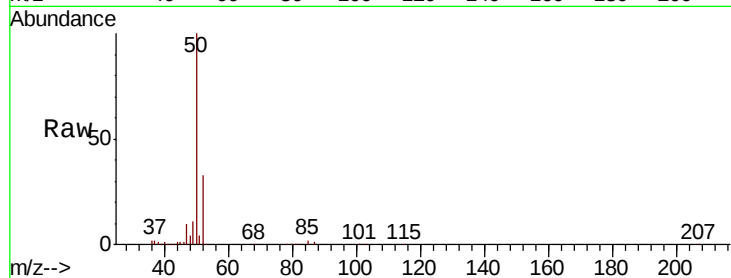




#3
Chloromethane
Concen: 85.421 ug/l
RT: 2.21 min Scan# 51
Delta R.T. -0.00 min
Lab File: VW005838.D
Acq: 04 Oct 2018 05:20

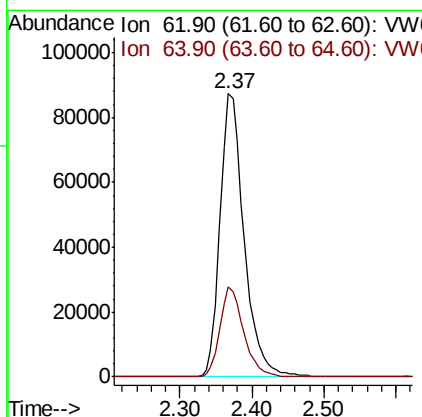
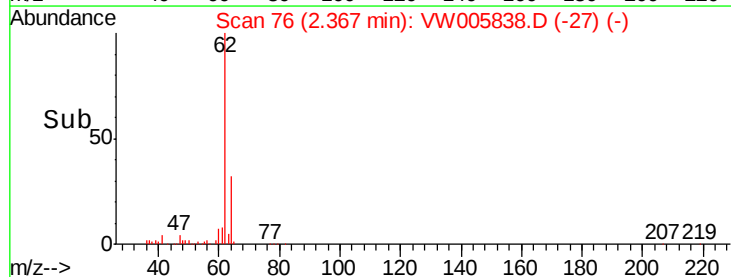
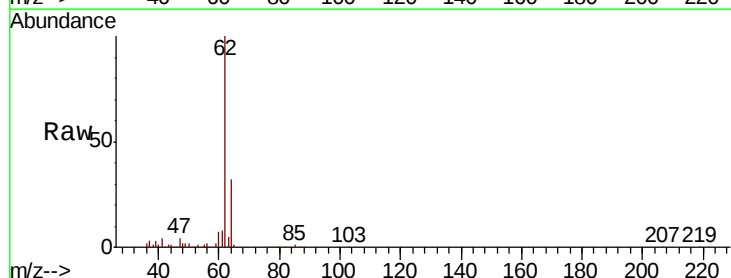
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

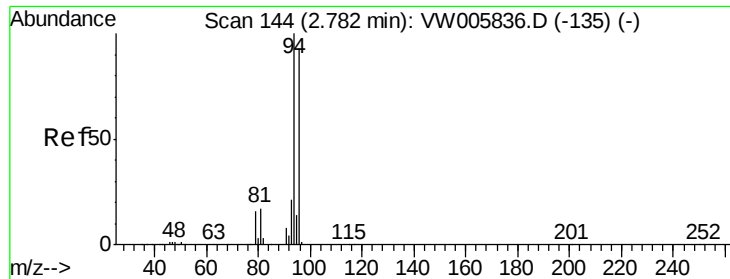
Tgt Ion: 50 Resp: 140035
Ion Ratio Lower Upper
50 100
52 33.0 26.0 39.0



#4
Vinyl Chloride
Concen: 100.831 ug/l
RT: 2.37 min Scan# 76
Delta R.T. -0.00 min
Lab File: VW005838.D
Acq: 04 Oct 2018 05:20

Tgt Ion: 62 Resp: 203479
Ion Ratio Lower Upper
62 100
64 32.0 25.7 38.5





#5

Bromomethane

Concen: 103.097 ug/l

RT: 2.79 min Scan# 145

Delta R.T. 0.01 min

Lab File: VW005838.D

Acq: 04 Oct 2018 05:20

Instrument :

MSVOA_W

ClientSampleId :

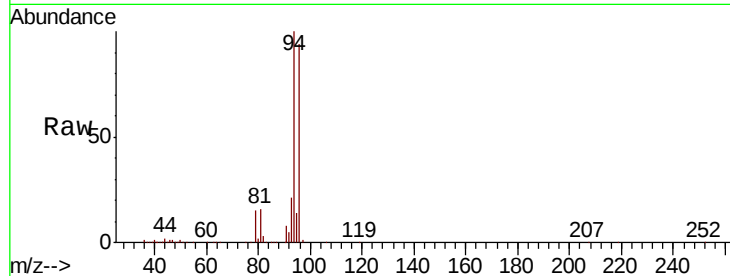
VSTDIC100

Tgt Ion: 94 Resp: 141189

Ion Ratio Lower Upper

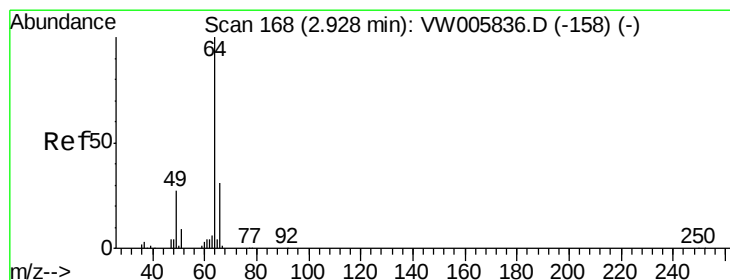
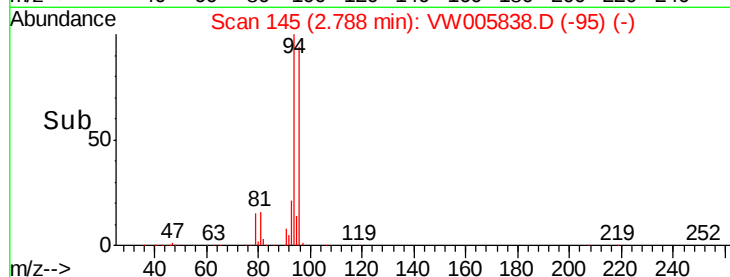
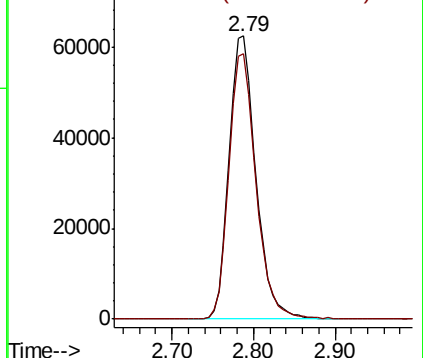
94 100

96 93.5 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 98.322 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW005838.D

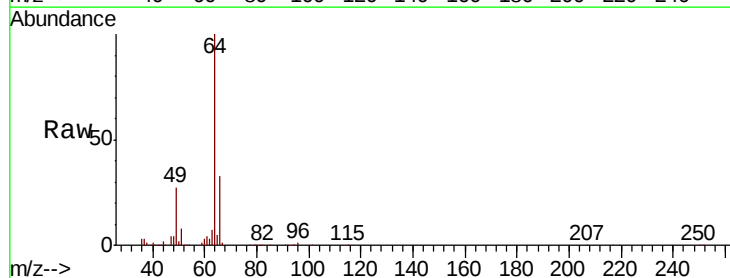
Acq: 04 Oct 2018 05:20

Tgt Ion: 64 Resp: 127143

Ion Ratio Lower Upper

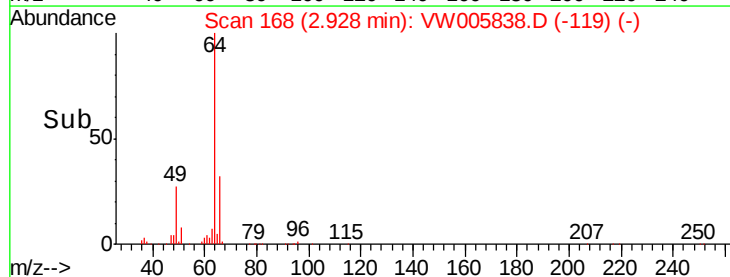
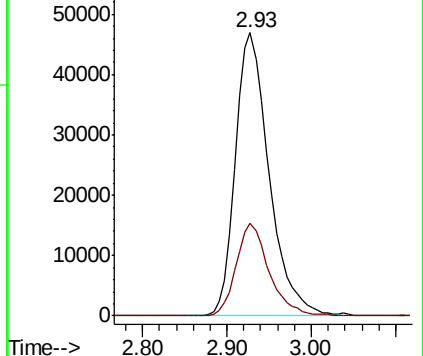
64 100

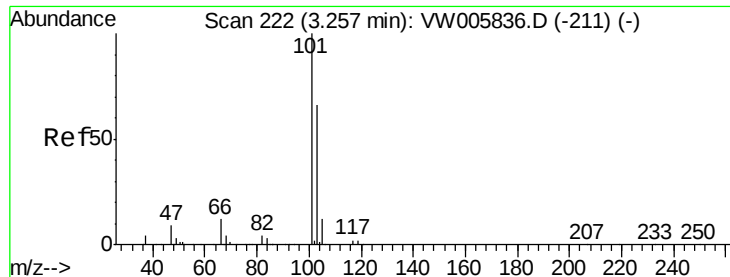
66 32.4 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



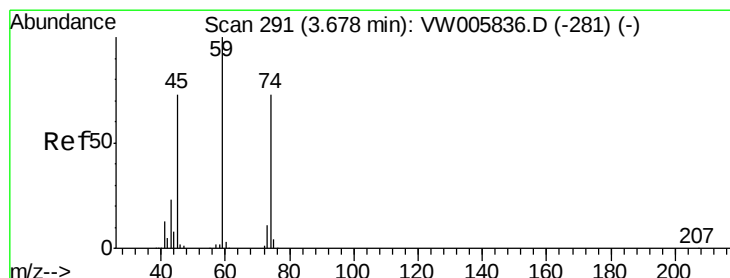
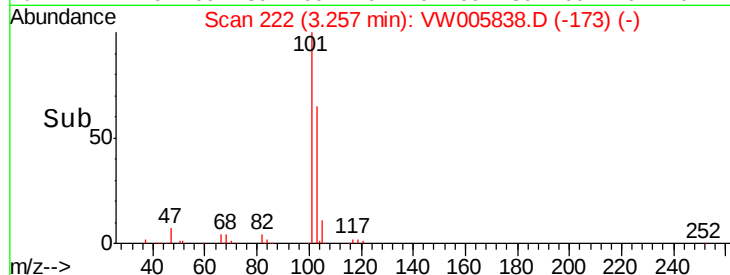
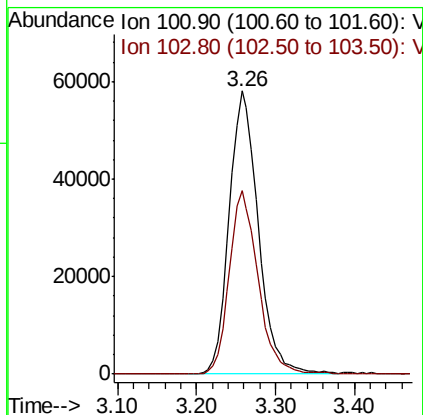
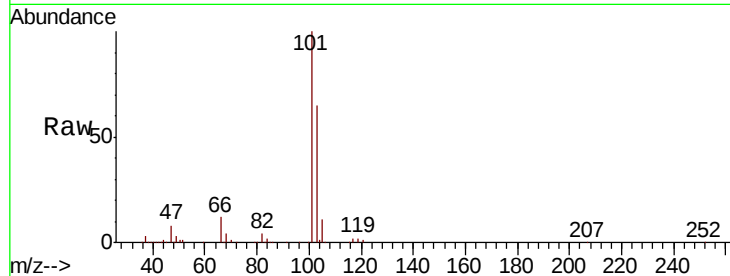


#7

Trichlorofluoromethane
 Concen: 96.121 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW005838.D
 Acq: 04 Oct 2018 05:20

Instrument :
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 VSTDIC100

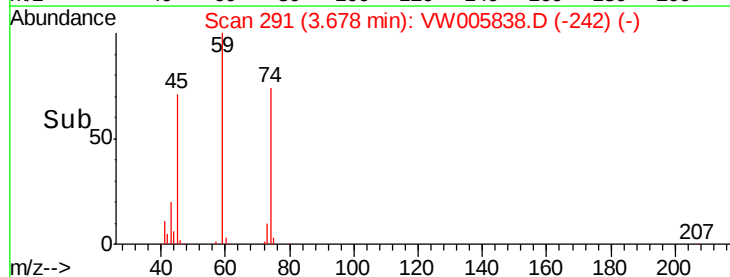
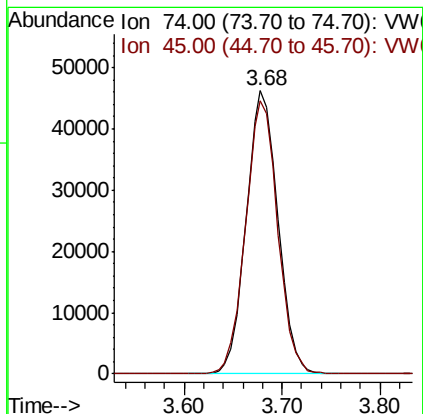
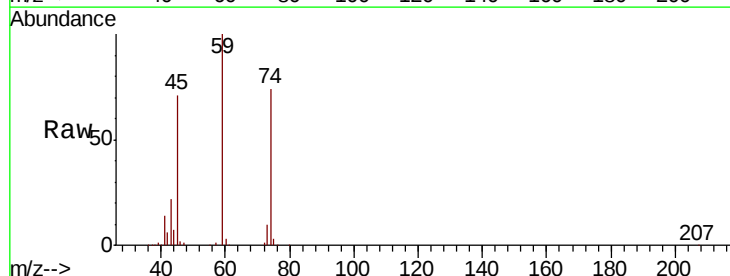
Tgt Ion: 101 Resp: 149164
 Ion Ratio Lower Upper
 101 100
 103 64.8 52.5 78.7

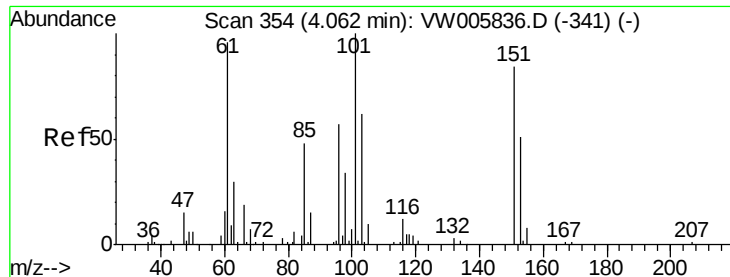


#8

Diethyl Ether
 Concen: 99.880 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW005838.D
 Acq: 04 Oct 2018 05:20

Tgt Ion: 74 Resp: 104246
 Ion Ratio Lower Upper
 74 100
 45 96.8 49.1 147.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 96.018 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW005838.D

Acq: 04 Oct 2018 05:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

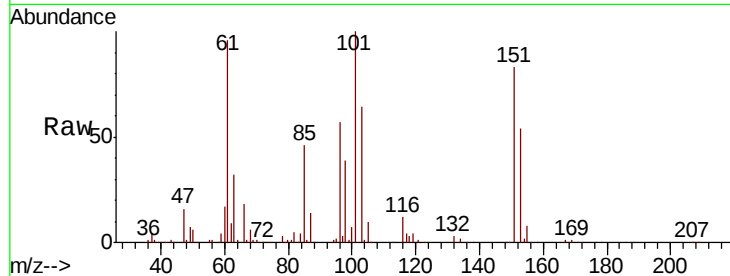
Tgt Ion:101 Resp: 190789

Ion Ratio Lower Upper

101 100

85 44.7 35.5 53.3

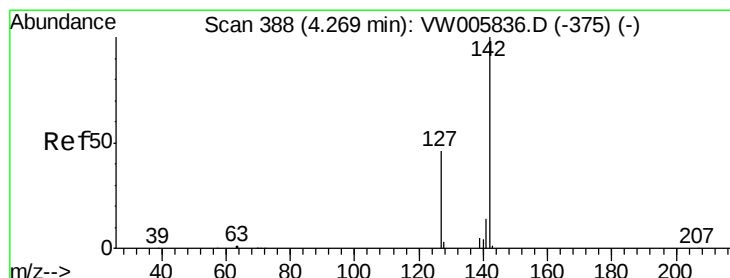
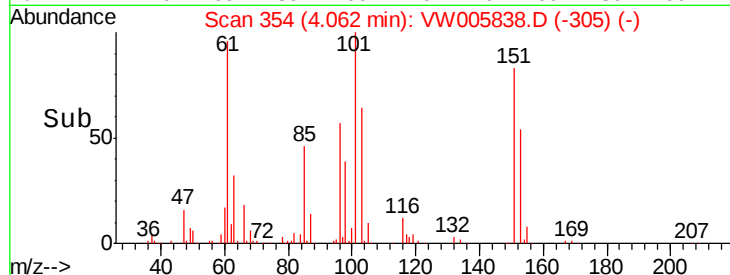
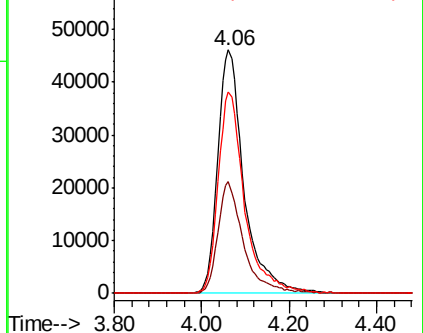
151 83.2 67.4 101.2



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: 104.431 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW005838.D

Acq: 04 Oct 2018 05:20

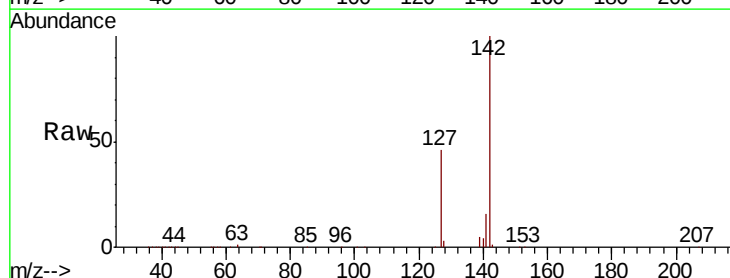
Tgt Ion:142 Resp: 322920

Ion Ratio Lower Upper

142 100

127 46.1 37.4 56.0

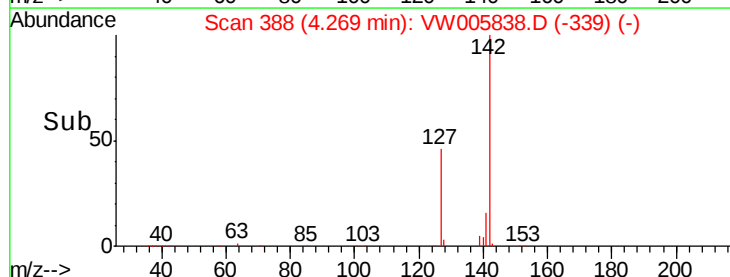
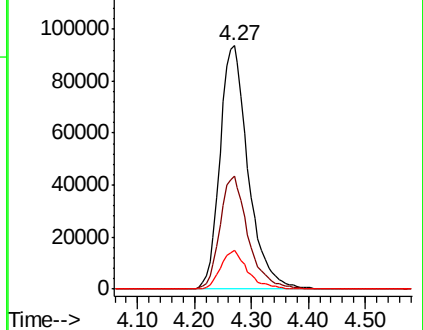
141 15.3 12.2 18.2

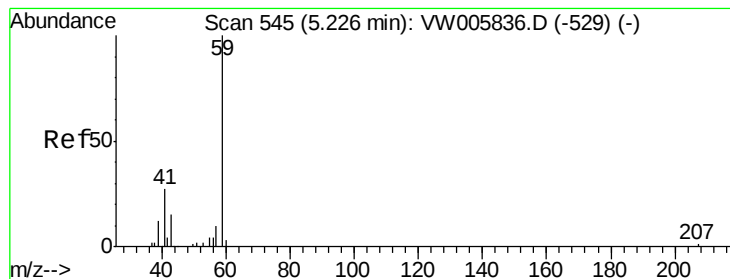


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



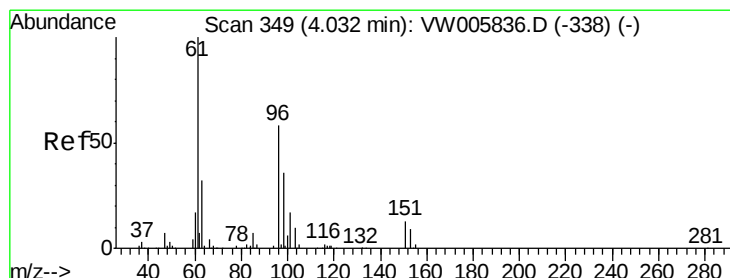
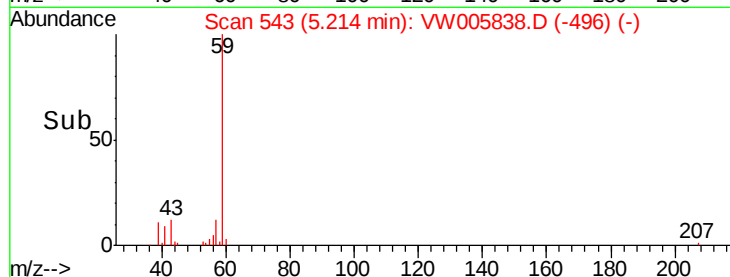
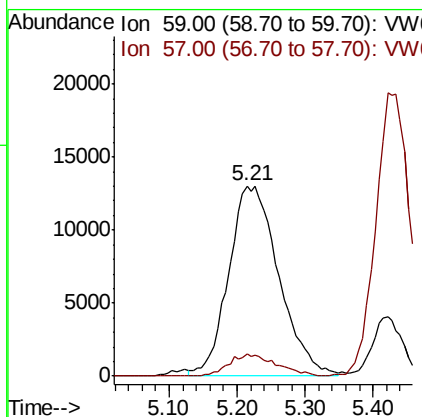
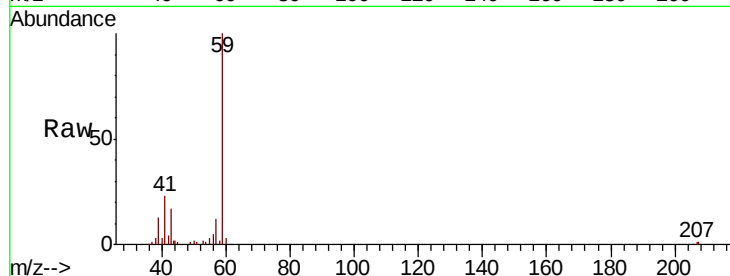


#11

Tert butyl alcohol
 Concen: 469.856 ug/l
 RT: 5.21 min Scan# 543
 Delta R.T. -0.01 min
 Lab File: VW005838.D
 Acq: 04 Oct 2018 05:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

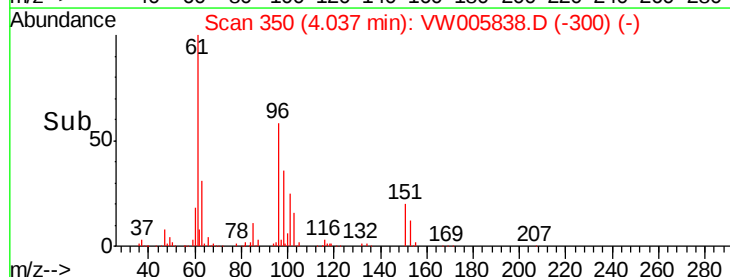
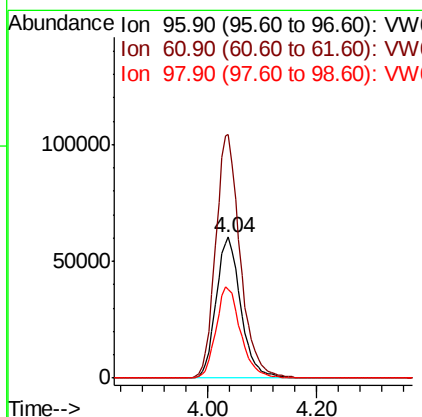
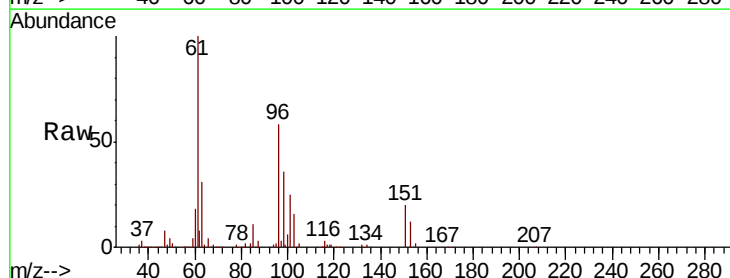
Tgt Ion: 59 Resp: 66863
 Ion Ratio Lower Upper
 59 100
 57 10.9 4.9 7.3#

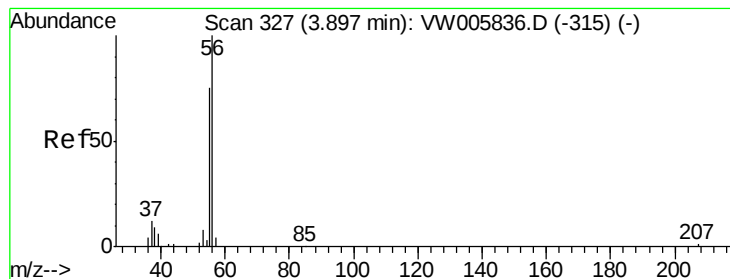


#12

1,1-Dichloroethene
 Concen: 99.370 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.01 min
 Lab File: VW005838.D
 Acq: 04 Oct 2018 05:20

Tgt Ion: 96 Resp: 190307
 Ion Ratio Lower Upper
 96 100
 61 172.8 138.8 208.2
 98 62.8 50.6 75.8





#13

Acrolein

Concen: 622.563 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.01 min

Lab File: VW005838.D

Acq: 04 Oct 2018 05:20

Instrument :

MSVOA_W

ClientSampleId :

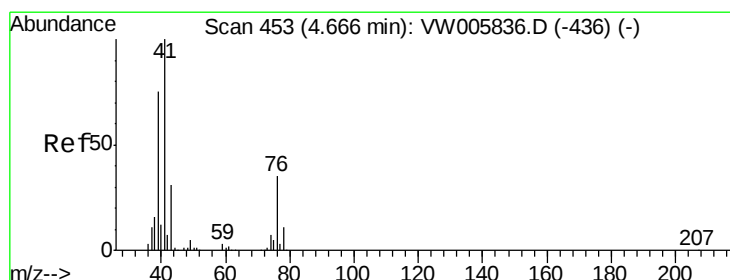
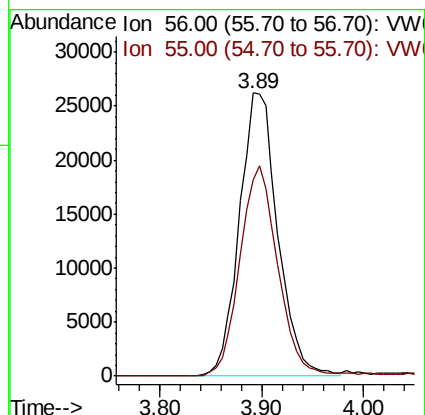
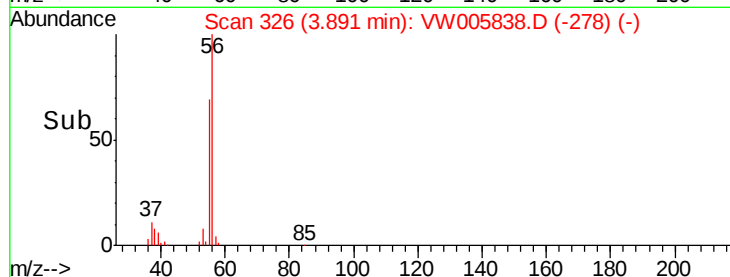
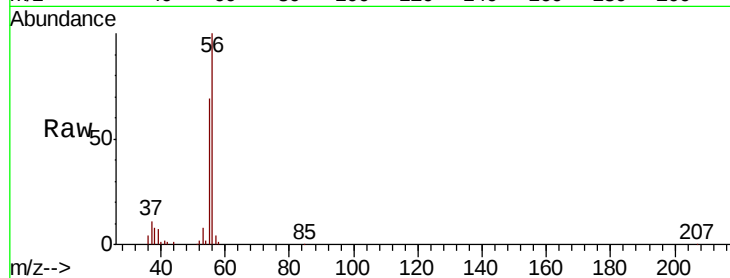
VSTDIC100

Tgt Ion: 56 Resp: 68696

Ion Ratio Lower Upper

56 100

55 73.3 59.2 88.8



#14

Allyl chloride

Concen: 98.440 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW005838.D

Acq: 04 Oct 2018 05:20

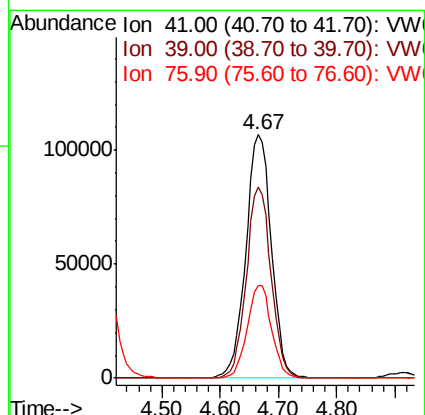
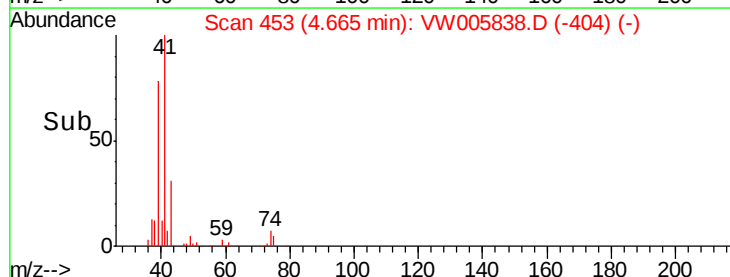
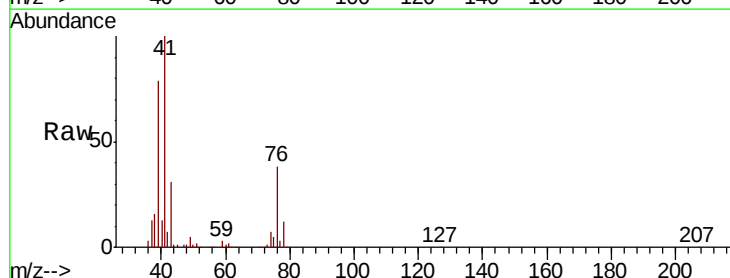
Tgt Ion: 41 Resp: 324663

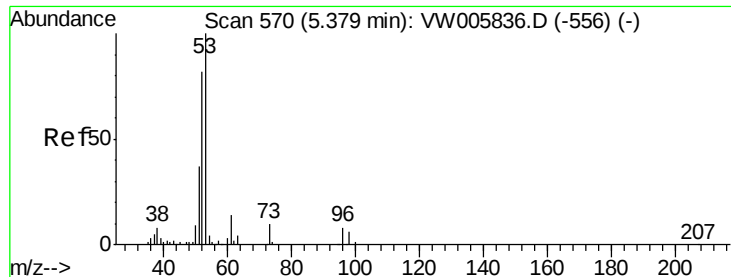
Ion Ratio Lower Upper

41 100

39 75.9 60.3 90.5

76 36.1 28.9 43.3





#15

Acrylonitrile

Concen: 478.276 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.01 min

Lab File: VW005838.D

Acq: 04 Oct 2018 05:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

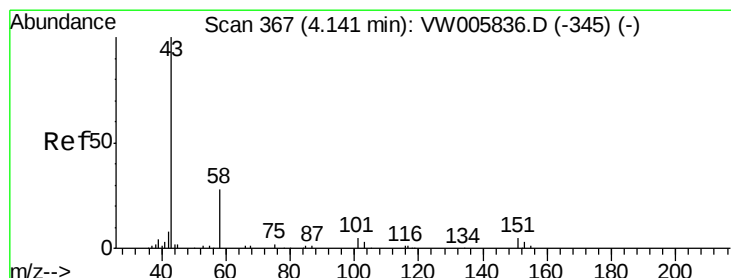
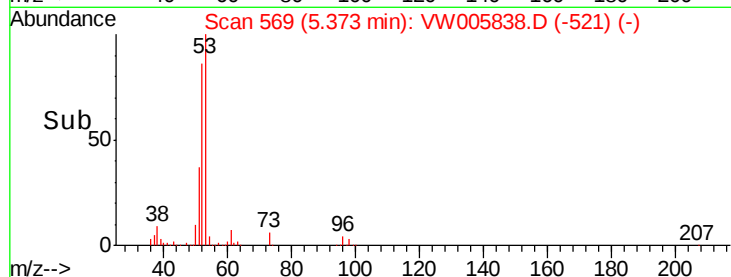
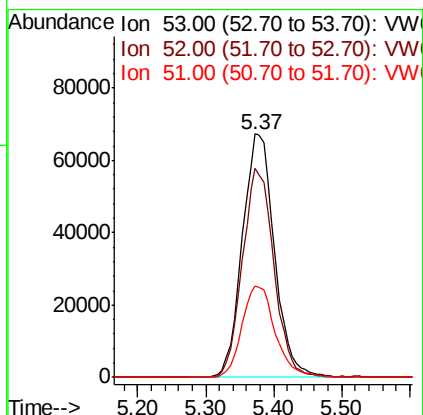
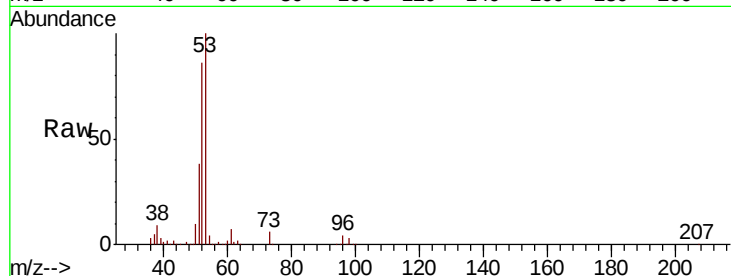
Tgt Ion: 53 Resp: 221048

Ion Ratio Lower Upper

53 100

52 84.3 67.3 100.9

51 38.8 30.2 45.2



#16

Acetone

Concen: 413.729 ug/l

RT: 4.14 min Scan# 367

Delta R.T. -0.00 min

Lab File: VW005838.D

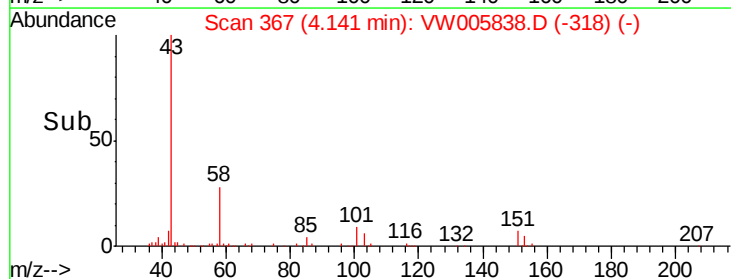
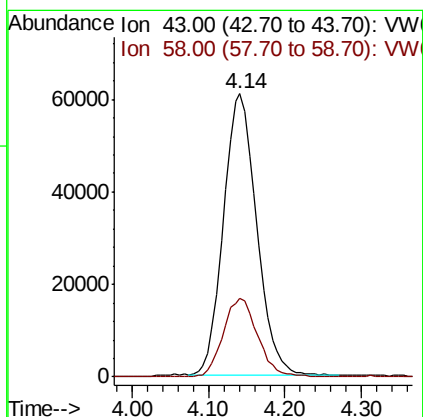
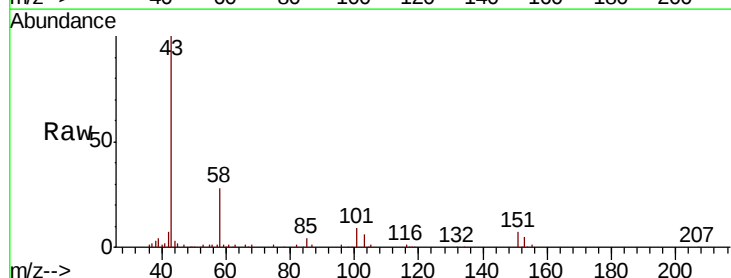
Acq: 04 Oct 2018 05:20

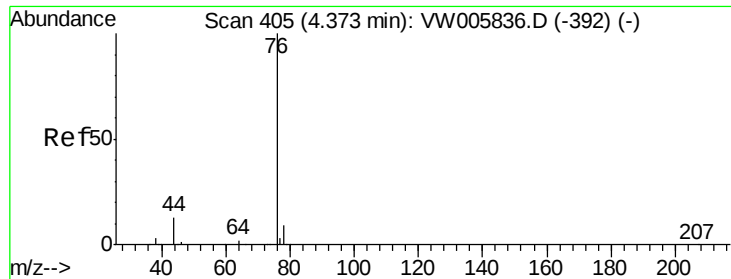
Tgt Ion: 43 Resp: 182002

Ion Ratio Lower Upper

43 100

58 27.7 23.0 34.4





#17

Carbon Disulfide

Concen: 103.243 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW005838.D

Acq: 04 Oct 2018 05:20

Instrument :

MSVOA_W

ClientSampleId :

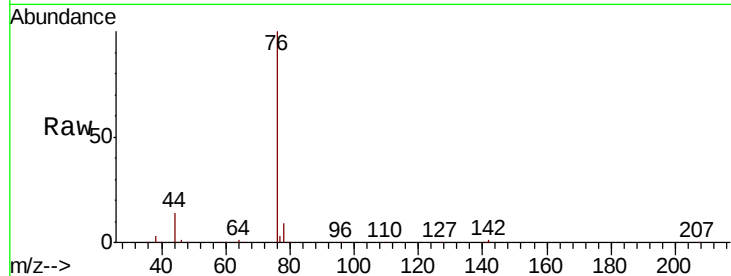
VSTDIC100

Tgt Ion: 76 Resp: 622961

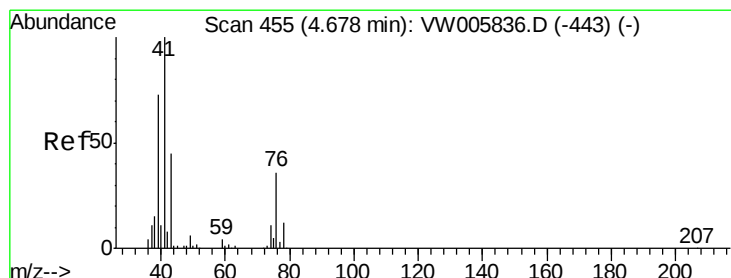
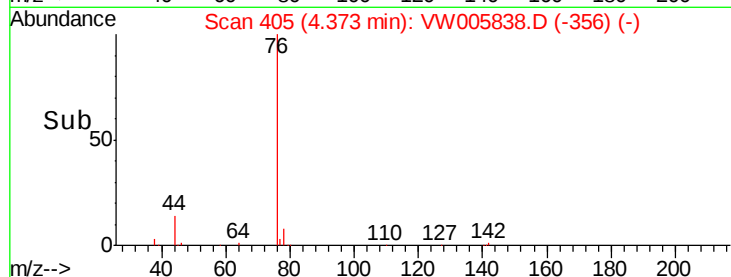
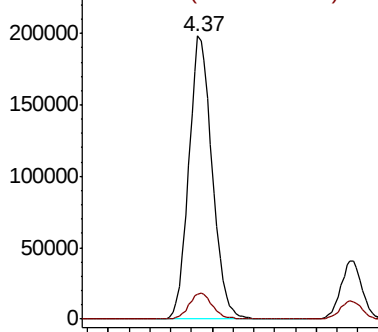
Ion Ratio Lower Upper

76 100

78 8.7 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: 97.073 ug/l

RT: 4.68 min Scan# 455

Delta R.T. -0.00 min

Lab File: VW005838.D

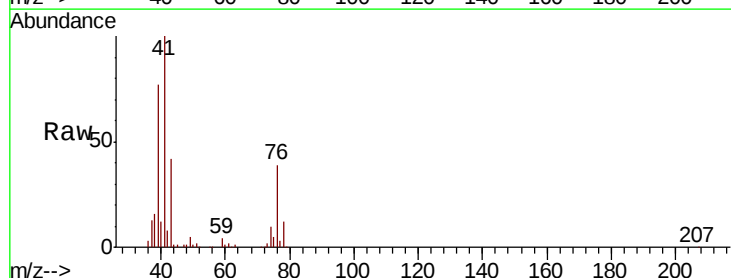
Acq: 04 Oct 2018 05:20

Tgt Ion: 43 Resp: 115066

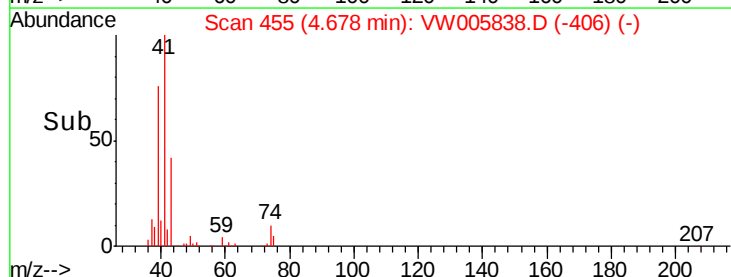
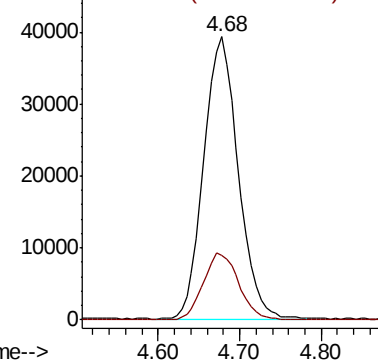
Ion Ratio Lower Upper

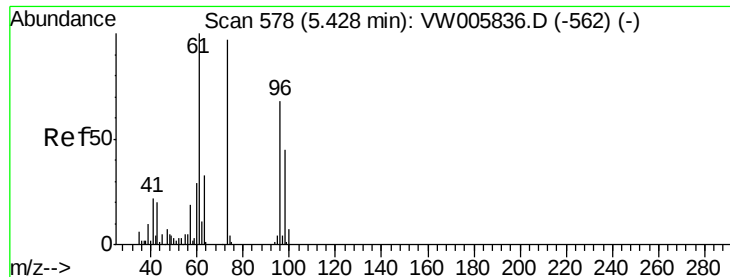
43 100

74 24.4 19.5 29.3



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

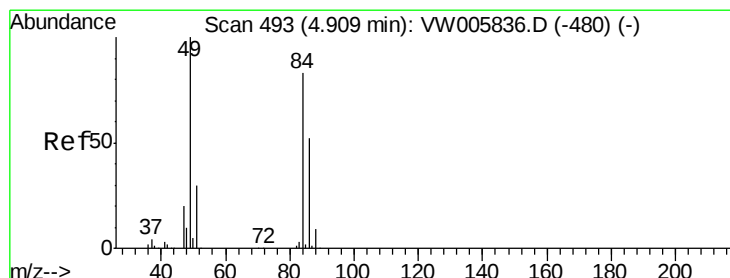
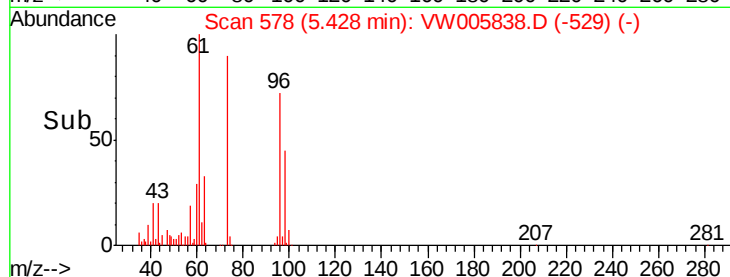
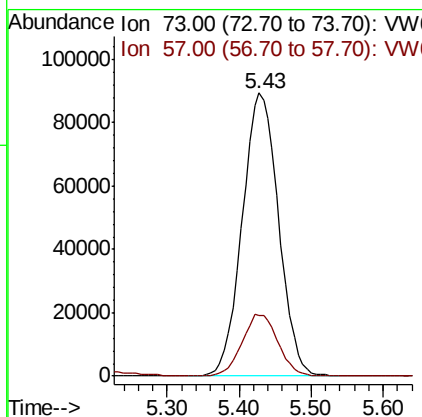
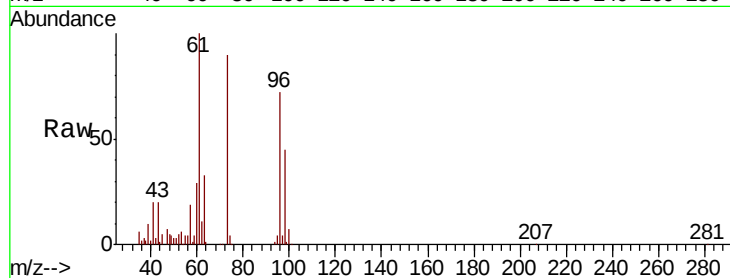




#19
Methyl tert-butyl Ether
Concen: 104.617 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW005838.D
Acq: 04 Oct 2018 05:20

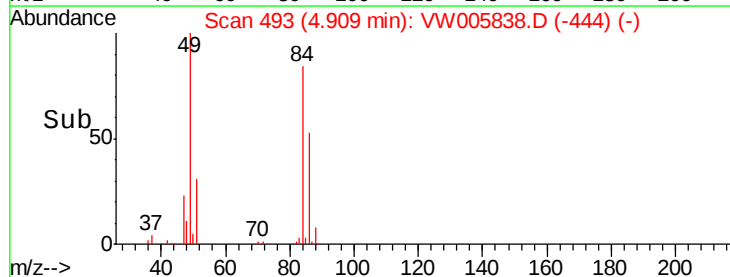
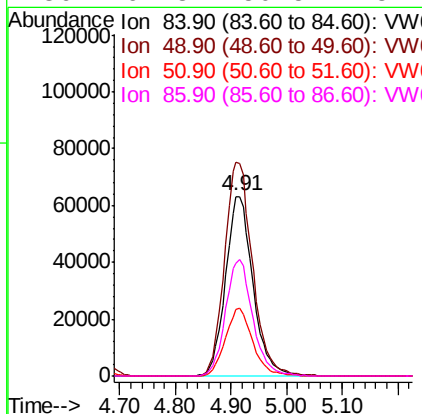
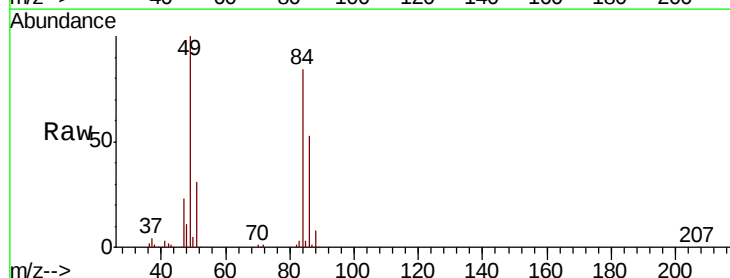
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

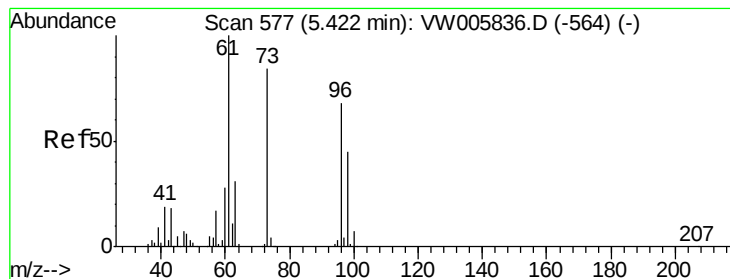
Tgt Ion: 73 Resp: 312859
Ion Ratio Lower Upper
73 100
57 21.5 15.9 23.9



#20
Methylene Chloride
Concen: 86.382 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.00 min
Lab File: VW005838.D
Acq: 04 Oct 2018 05:20

Tgt Ion: 84 Resp: 214908
Ion Ratio Lower Upper
84 100
49 119.0 96.8 145.2
51 37.3 28.8 43.2
86 62.8 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 103.237 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW005838.D

Acq: 04 Oct 2018 05:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

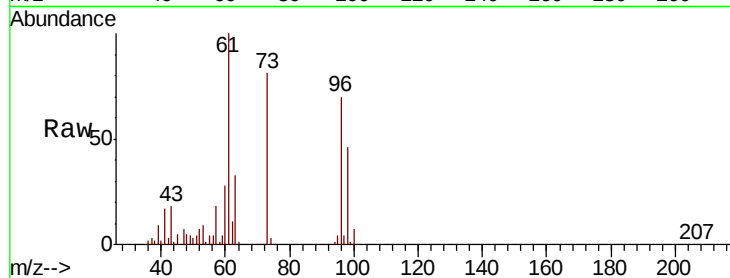
Tgt Ion: 96 Resp: 216518

Ion Ratio Lower Upper

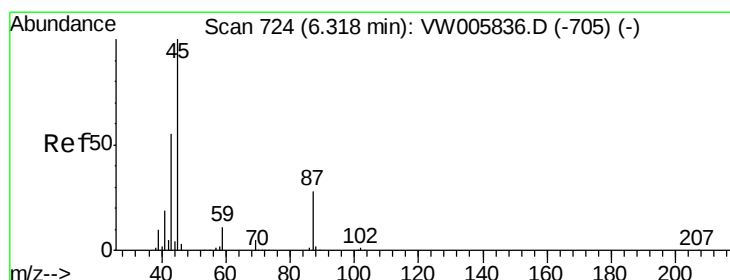
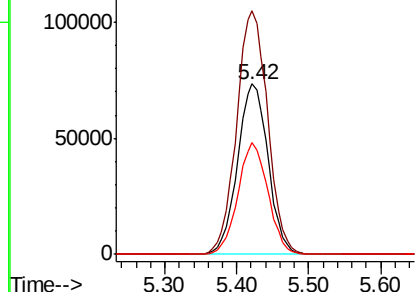
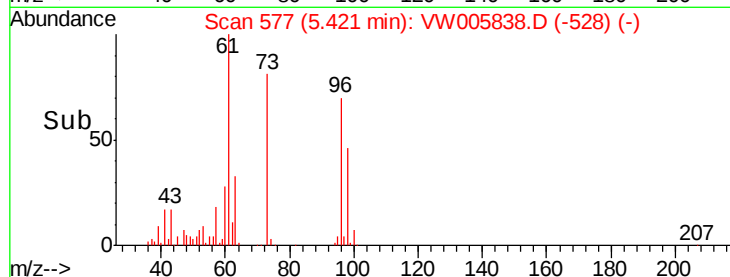
96 100

61 143.0 117.0 175.6

98 65.4 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: 100.429 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.01 min

Lab File: VW005838.D

Acq: 04 Oct 2018 05:20

Tgt Ion: 45 Resp: 645238

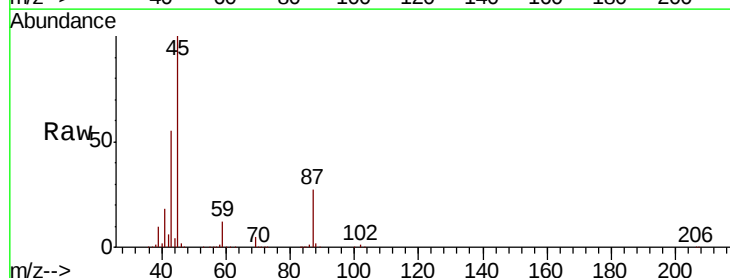
Ion Ratio Lower Upper

45 100

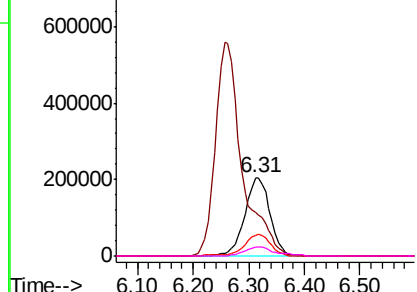
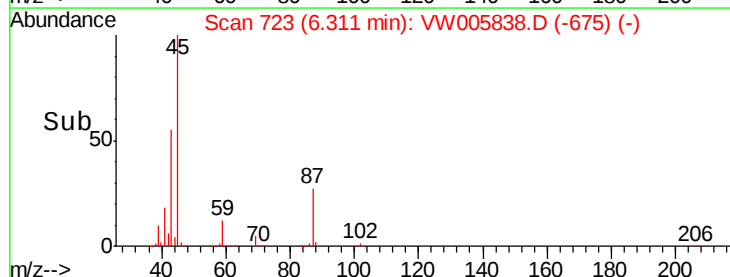
43 54.7 44.6 67.0

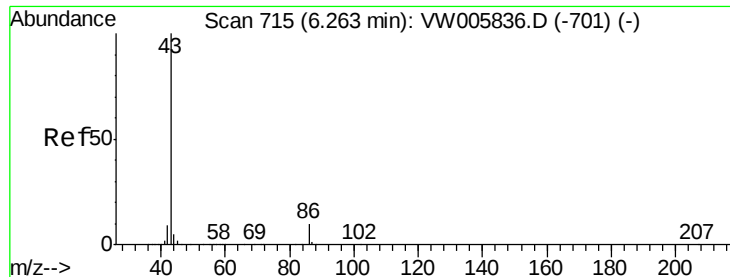
87 27.0 23.4 35.2

59 11.6 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: 502.781 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.01 min

Lab File: VW005838.D

Acq: 04 Oct 2018 05:20

Instrument :

MSVOA_W

ClientSampleId :

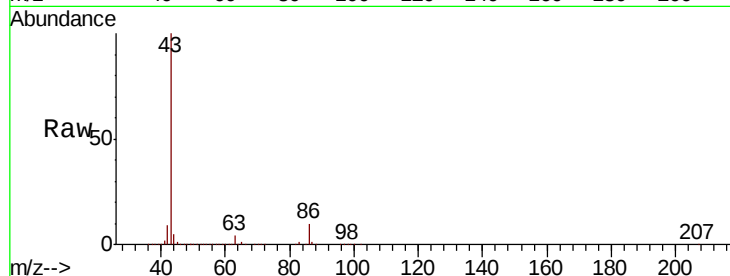
VSTDIC100

Tgt Ion: 43 Resp: 1856058

Ion Ratio Lower Upper

43 100

86 9.8 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

600000

500000

400000

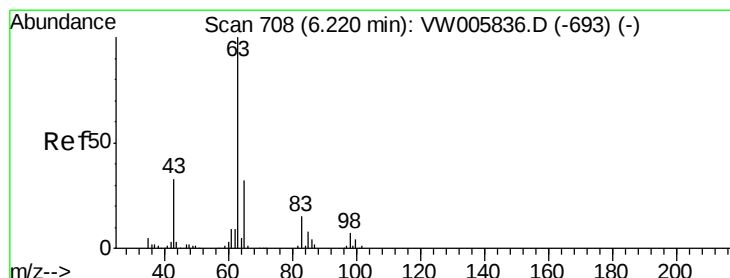
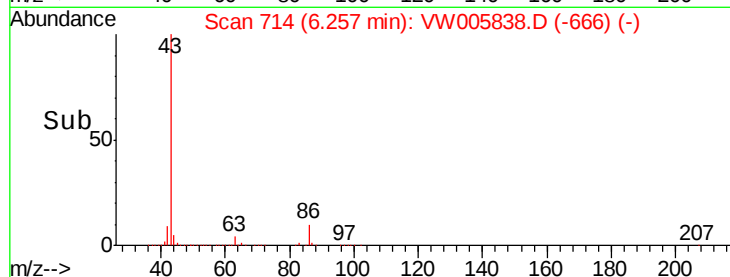
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 99.368 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW005838.D

Acq: 04 Oct 2018 05:20

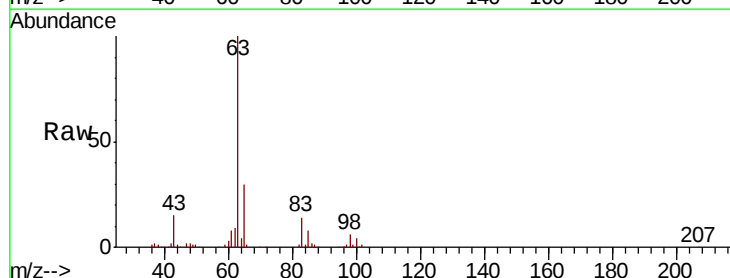
Tgt Ion: 63 Resp: 396415

Ion Ratio Lower Upper

63 100

98 6.3 3.5 10.5

100 3.9 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.21

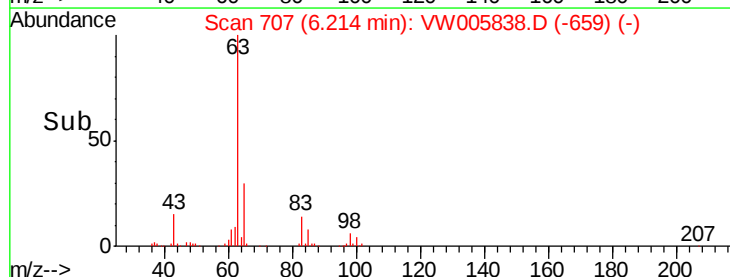
150000

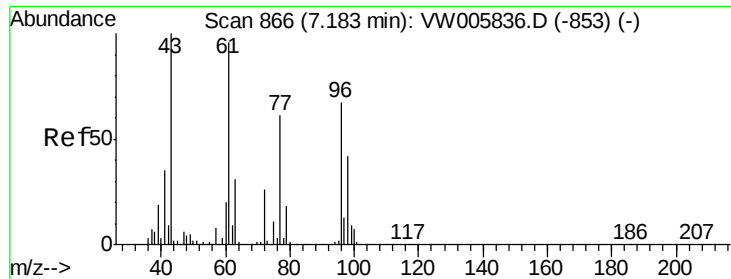
100000

50000

0

Time-->





#25

2-Butanone

Concen: 459.024 ug/l

RT: 7.18 min Scan# 866

Delta R.T. -0.00 min

Lab File: VW005838.D

Acq: 04 Oct 2018 05:20

Instrument :

MSVOA_W

ClientSampleId :

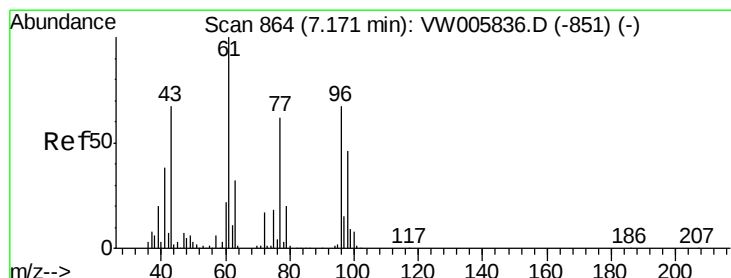
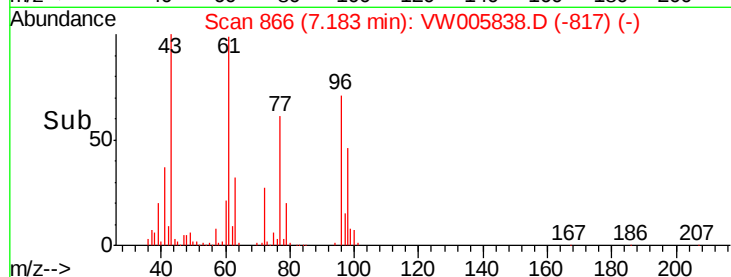
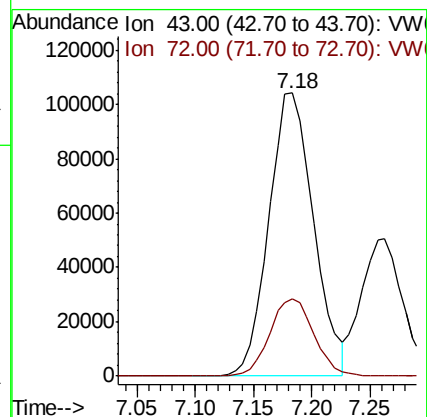
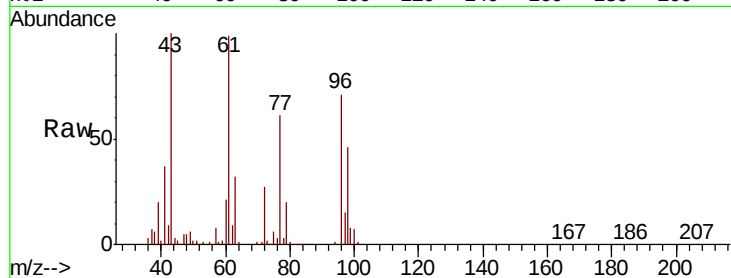
VSTDIC100

Tgt Ion: 43 Resp: 277093

Ion Ratio Lower Upper

43 100

72 27.4 20.9 31.3



#26

2,2-Dichloropropane

Concen: 84.822 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW005838.D

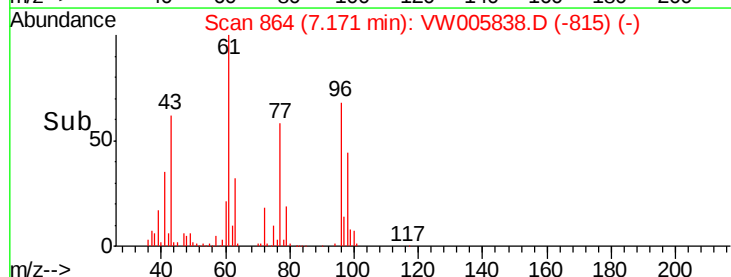
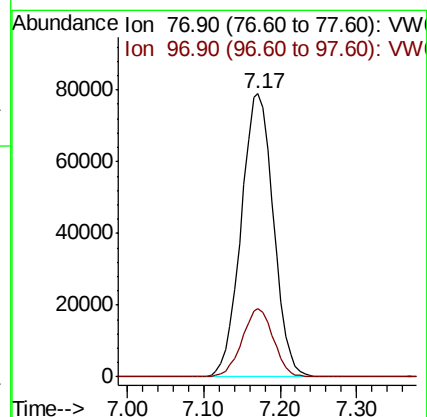
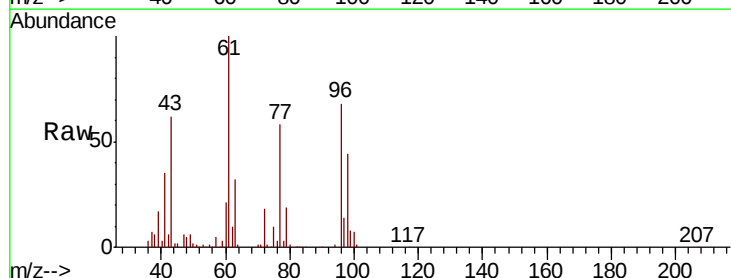
Acq: 04 Oct 2018 05:20

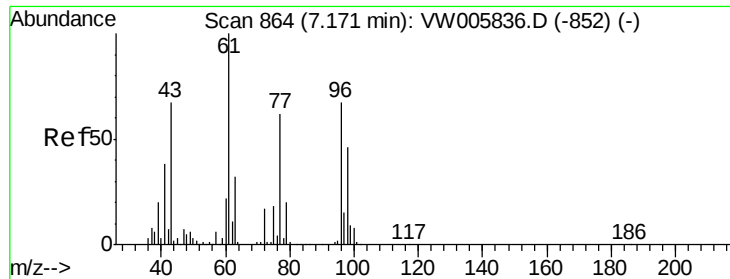
Tgt Ion: 77 Resp: 231649

Ion Ratio Lower Upper

77 100

97 23.4 11.7 35.0



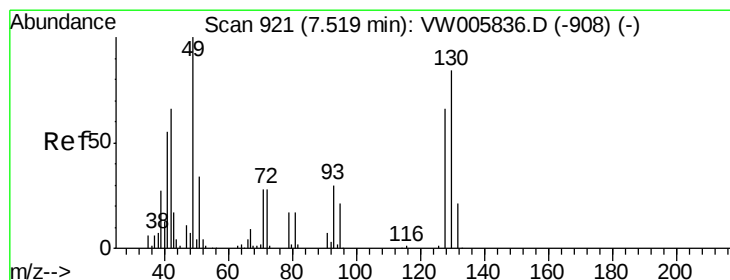
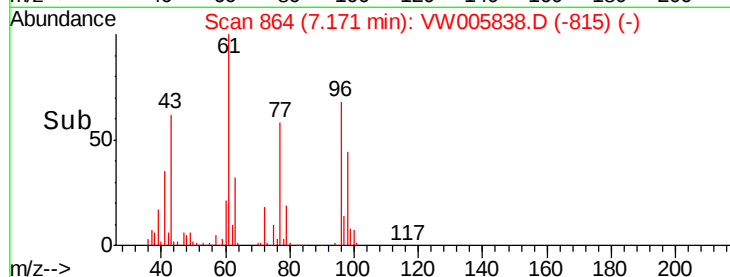
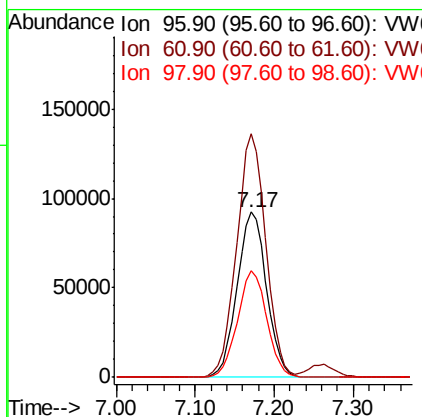
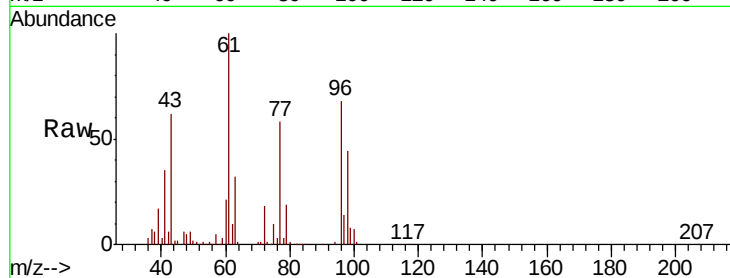


#27

cis-1,2-Dichloroethene
 Concen: 103.852 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW005838.D
 Acq: 04 Oct 2018 05:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

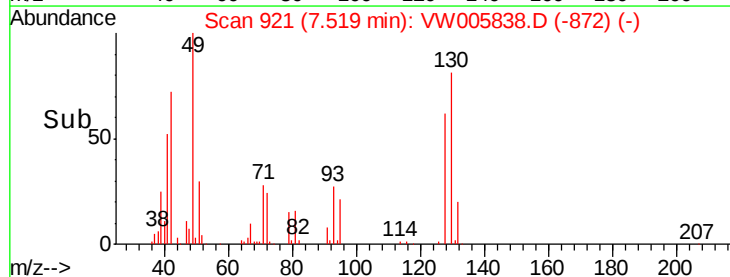
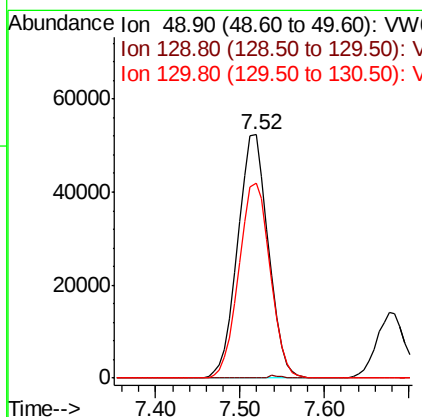
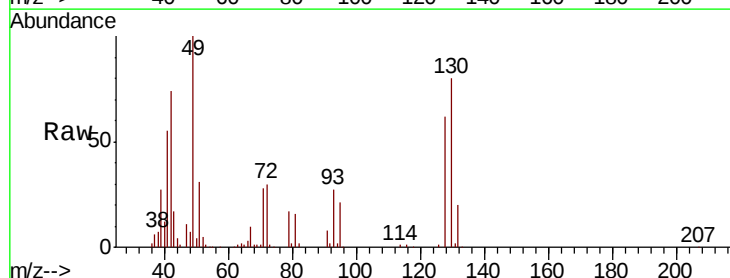
Tgt Ion	Ratio	Lower	Upper
96	100		
61	145.9	0.0	296.4
98	64.3	0.0	131.4

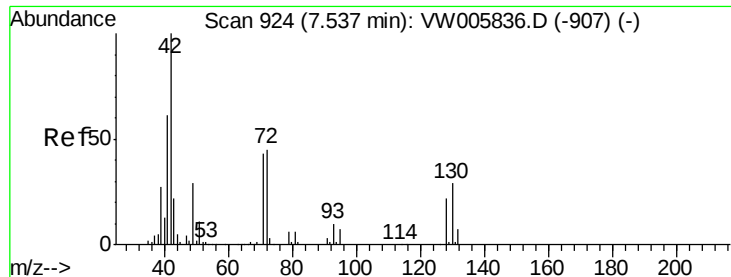


#28

Bromochloromethane
 Concen: 82.798 ug/l
 RT: 7.52 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VW005838.D
 Acq: 04 Oct 2018 05:20

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.4	0.0	2.2
130	81.9	66.4	99.6





#29

Tetrahydrofuran

Concen: 479.941 ug/l

RT: 7.54 min Scan# 924

Delta R.T. -0.00 min

Lab File: VW005838.D

Acq: 04 Oct 2018 05:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

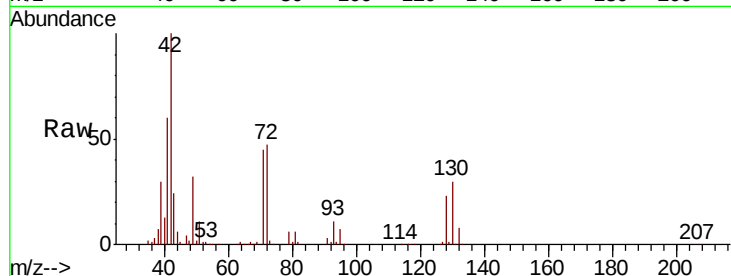
Tgt Ion: 42 Resp: 181377

Ion Ratio Lower Upper

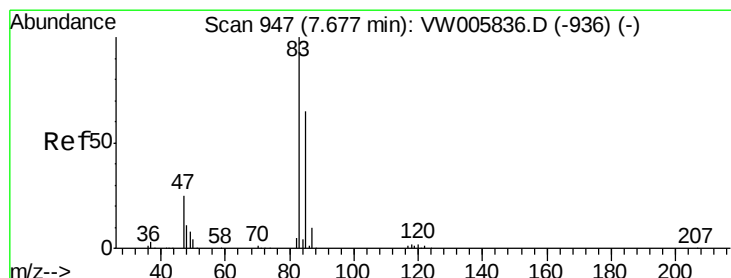
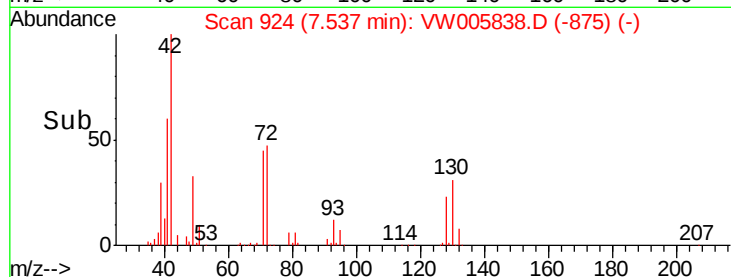
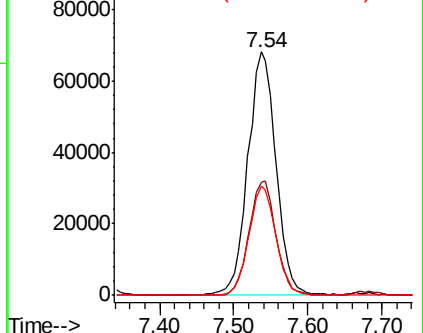
42 100

72 44.7 34.6 51.8

71 42.8 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: 102.253 ug/l

RT: 7.68 min Scan# 947

Delta R.T. -0.00 min

Lab File: VW005838.D

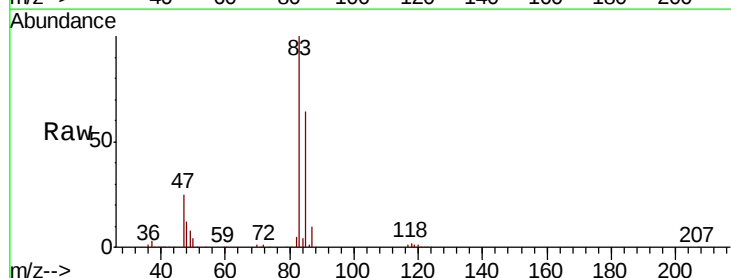
Acq: 04 Oct 2018 05:20

Tgt Ion: 83 Resp: 423028

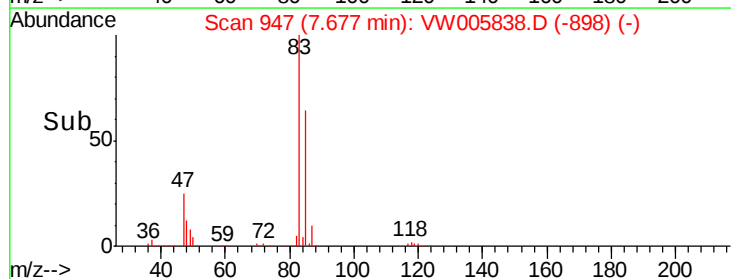
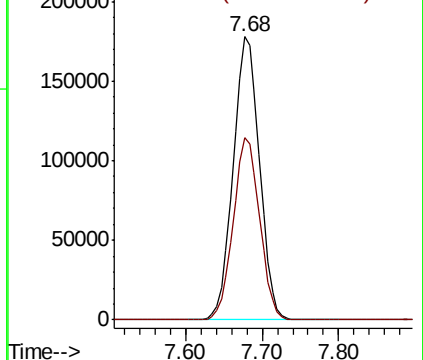
Ion Ratio Lower Upper

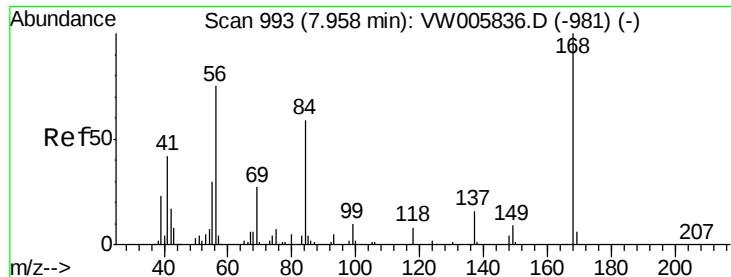
83 100

85 64.2 51.6 77.4



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

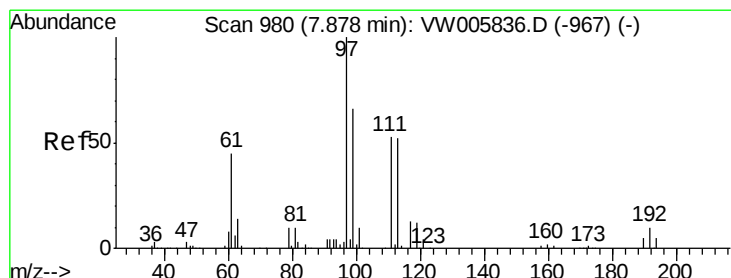
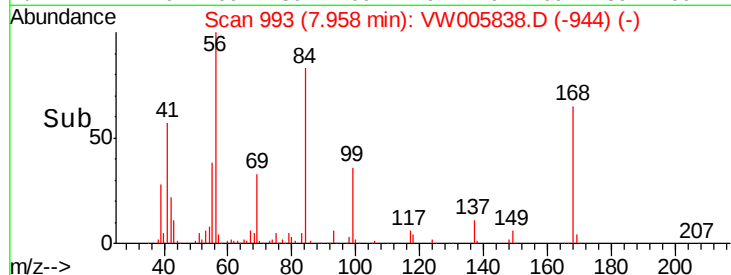
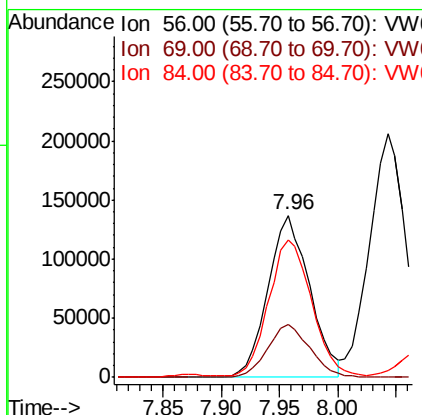
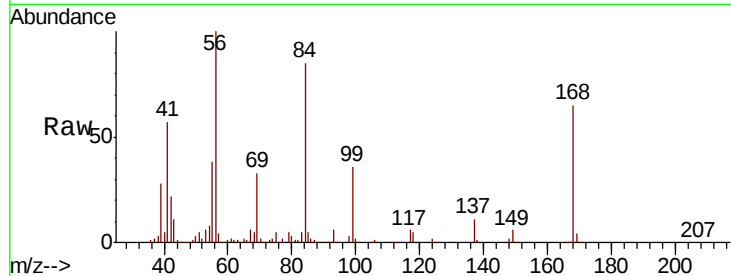




#31
Cyclohexane
Concen: 89.753 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW005838.D
Acq: 04 Oct 2018 05:20

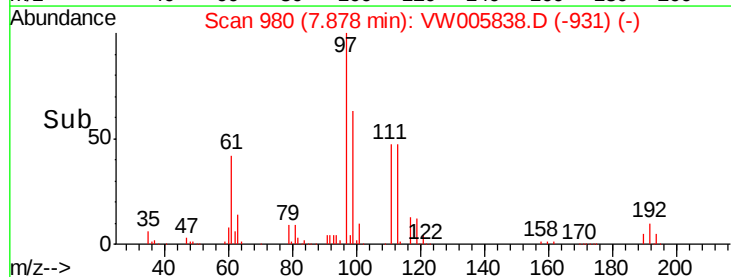
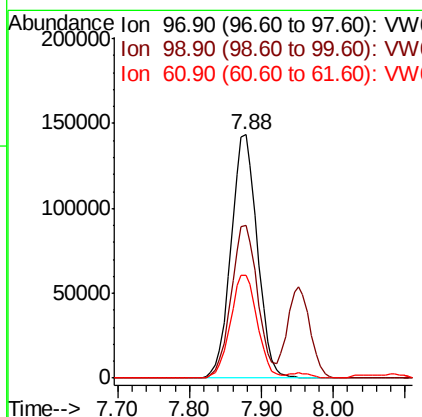
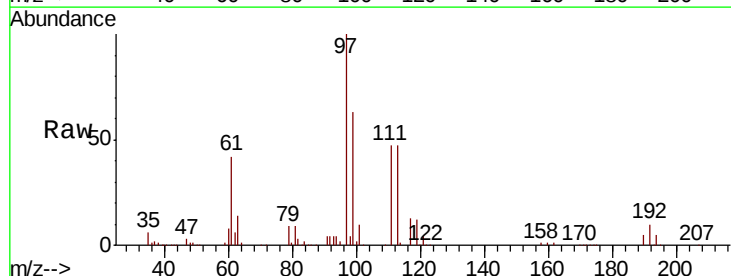
Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

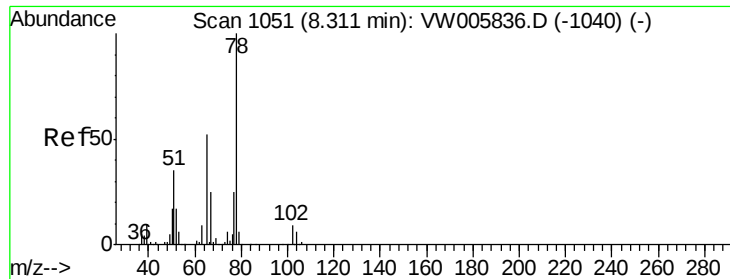
Tgt Ion: 56 Resp: 339677
Ion Ratio Lower Upper
56 100
69 32.7 29.0 43.4
84 83.4 63.5 95.3



#32
1,1,1-Trichloroethane
Concen: 100.048 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.00 min
Lab File: VW005838.D
Acq: 04 Oct 2018 05:20

Tgt Ion: 97 Resp: 363699
Ion Ratio Lower Upper
97 100
99 63.6 51.2 76.8
61 43.6 35.5 53.3

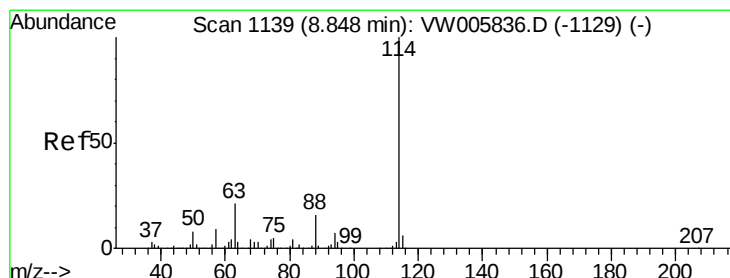
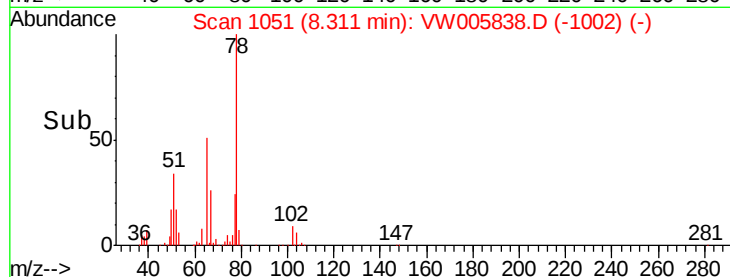
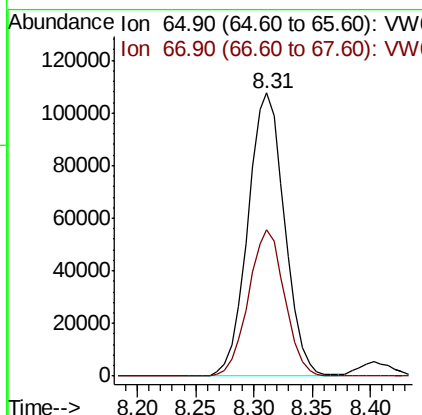
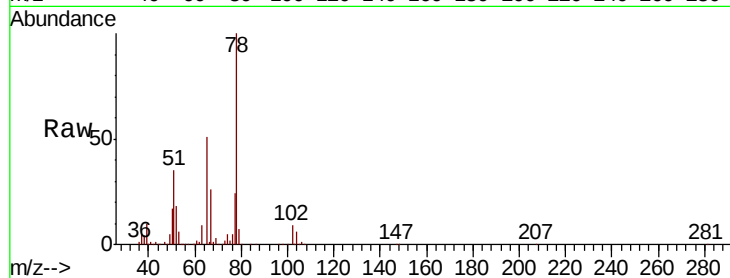




#33
 1,2-Dichloroethane-d4
 Concen: 95.816 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW005838.D
 Acq: 04 Oct 2018 05:20

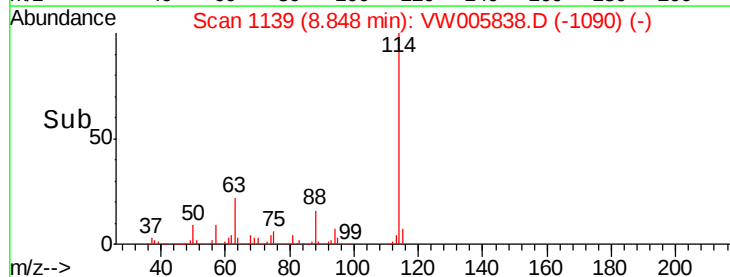
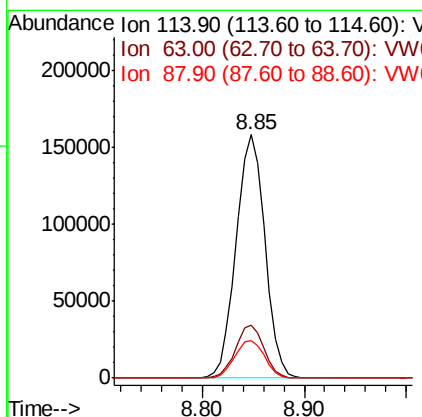
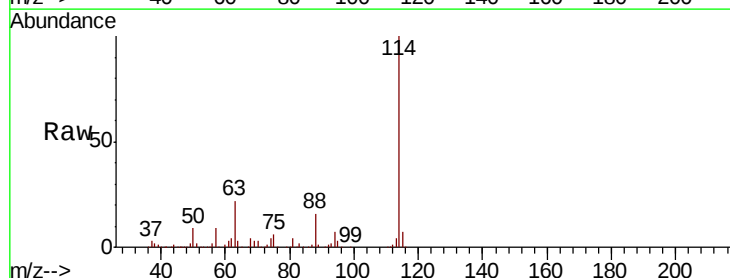
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

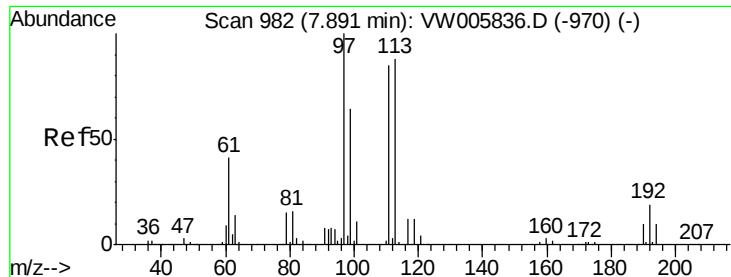
Tgt Ion: 65 Resp: 235775
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005838.D
 Acq: 04 Oct 2018 05:20

Tgt Ion: 114 Resp: 309658
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 42.0
 88 15.6 0.0 31.2

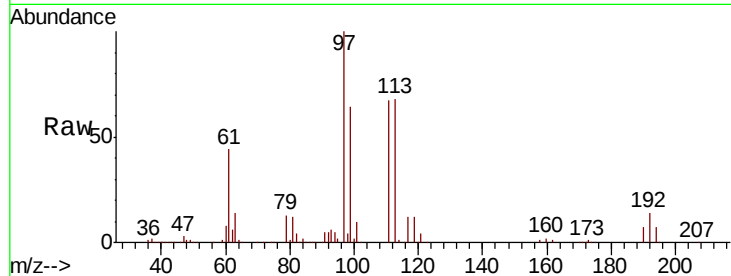




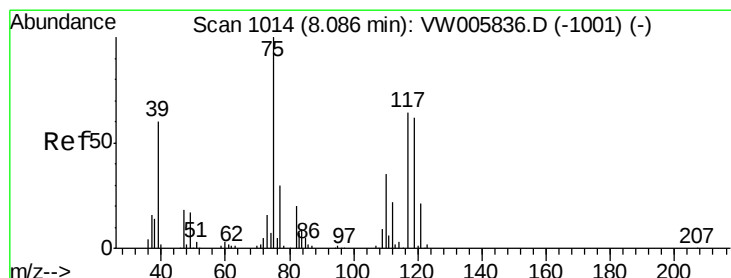
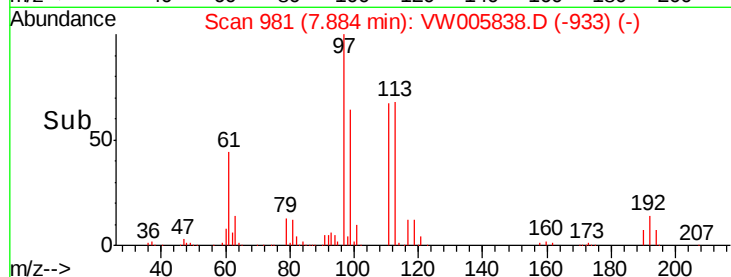
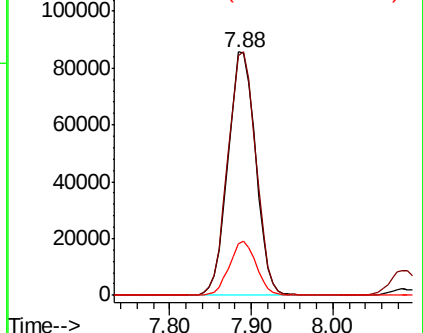
#35
 Dibromofluoromethane
 Concen: 102.134 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW005838.D
 Acq: 04 Oct 2018 05:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tgt Ion:113 Resp: 200311
 Ion Ratio Lower Upper
 113 100
 111 101.5 81.4 122.2
 192 21.5 17.3 25.9

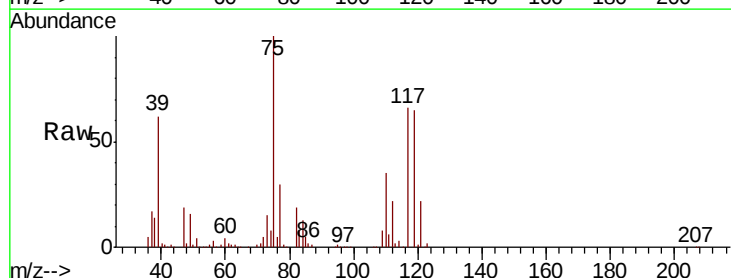


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

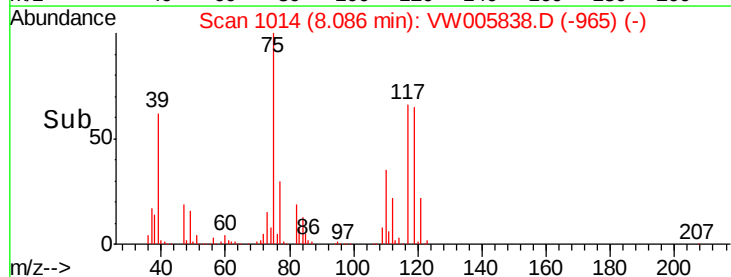
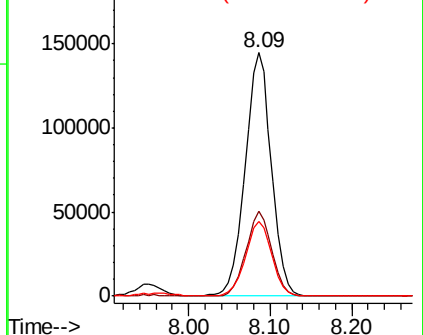


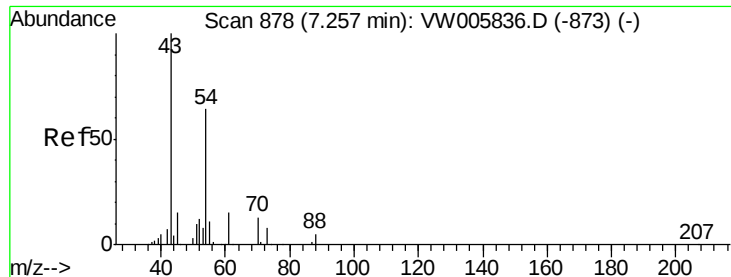
#36
 1,1-Dichloropropene
 Concen: 102.391 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. -0.00 min
 Lab File: VW005838.D
 Acq: 04 Oct 2018 05:20

Tgt Ion: 75 Resp: 321399
 Ion Ratio Lower Upper
 75 100
 110 34.3 17.5 52.6
 77 31.1 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

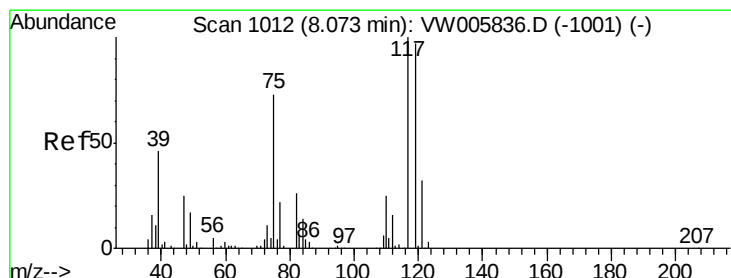
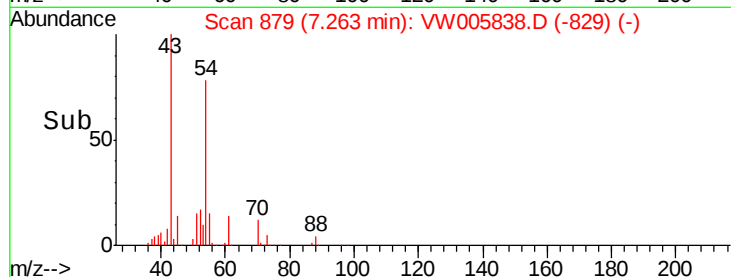
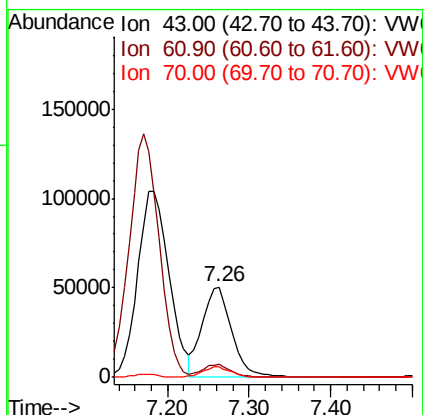
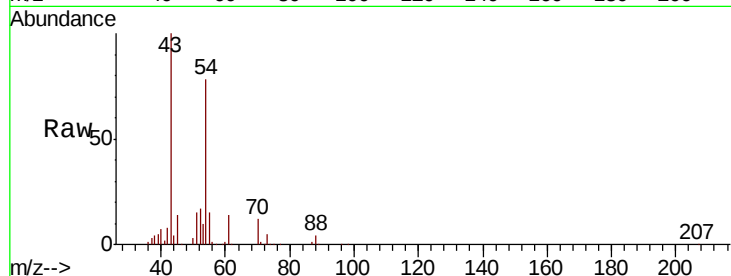




#37
Ethyl Acetate
Concen: 96.622 ug/l
RT: 7.26 min Scan# 879
Delta R.T. 0.01 min
Lab File: VW005838.D
Acq: 04 Oct 2018 05:20

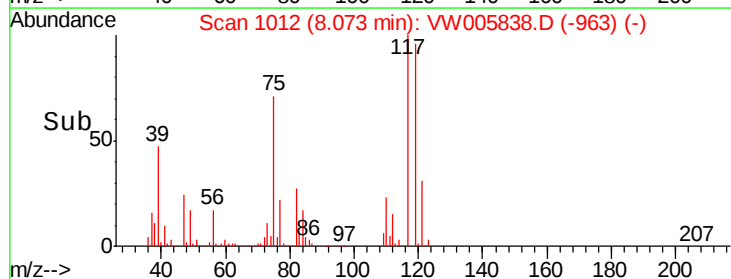
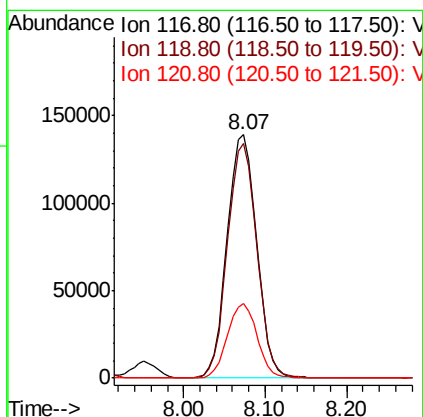
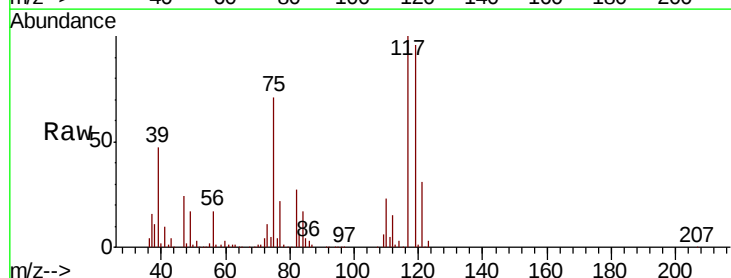
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

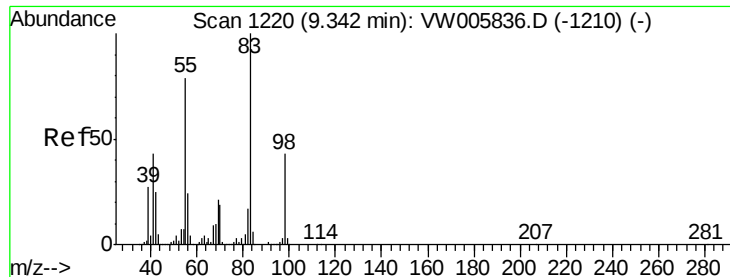
Tgt Ion: 43 Resp: 128536
Ion Ratio Lower Upper
43 100
61 13.9 11.2 16.8
70 10.8 8.6 13.0



#38
Carbon Tetrachloride
Concen: 103.304 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VW005838.D
Acq: 04 Oct 2018 05:20

Tgt Ion: 117 Resp: 347861
Ion Ratio Lower Upper
117 100
119 96.2 77.9 116.9
121 30.8 25.2 37.8

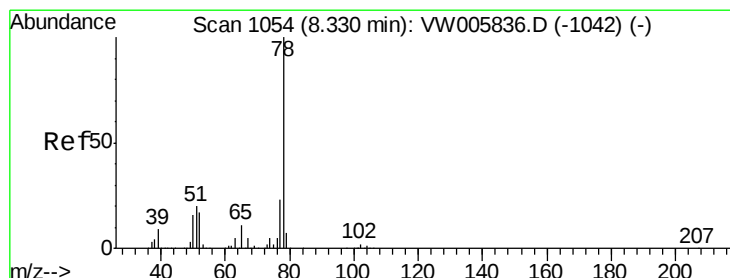
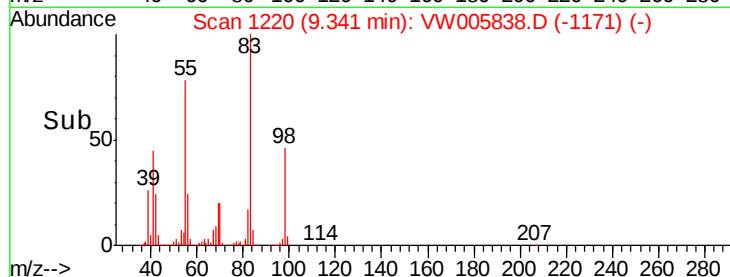
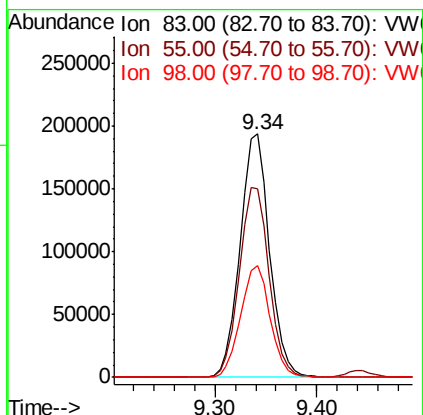
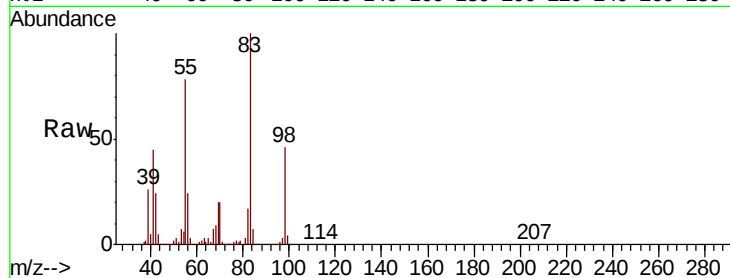




#39
Methylcyclohexane
Concen: 105.192 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. -0.00 min
Lab File: VW005838.D
Acq: 04 Oct 2018 05:20

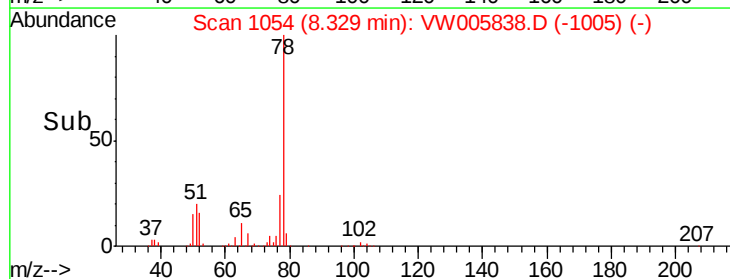
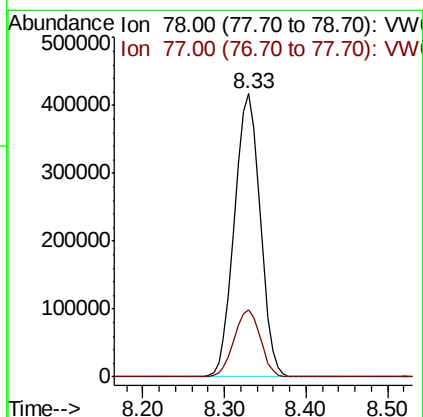
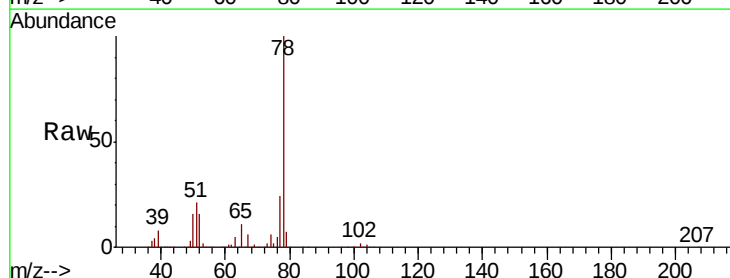
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

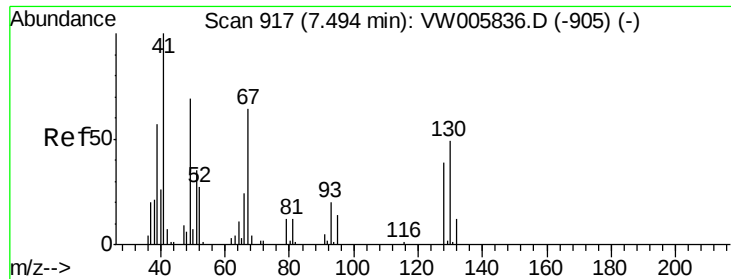
Tgt Ion: 83 Resp: 388211
Ion Ratio Lower Upper
83 100
55 77.6 63.0 94.4
98 46.0 34.5 51.7



#40
Benzene
Concen: 101.853 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VW005838.D
Acq: 04 Oct 2018 05:20

Tgt Ion: 78 Resp: 908971
Ion Ratio Lower Upper
78 100
77 23.9 18.6 28.0

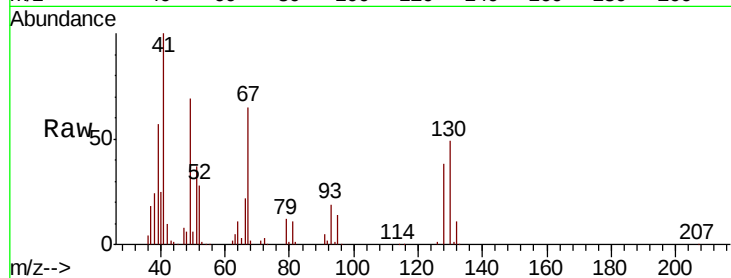




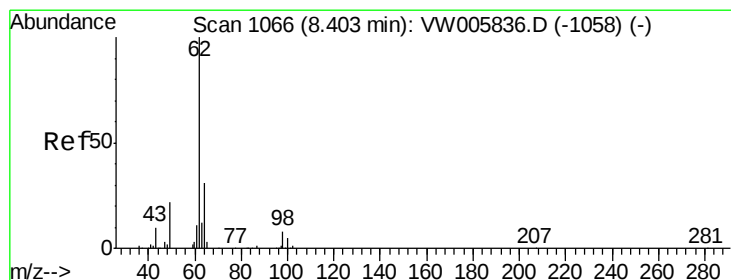
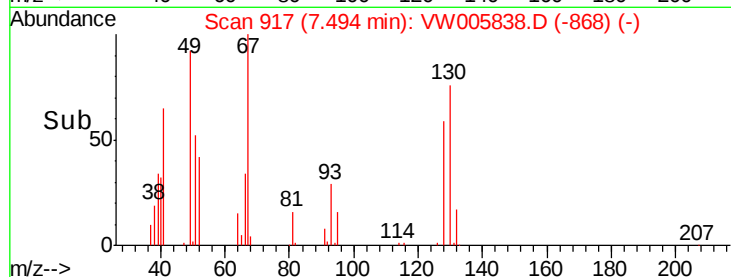
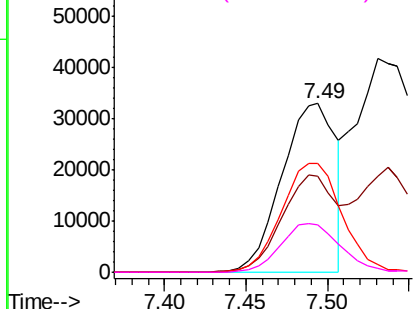
#41
Methacrylonitrile
Concen: 98.367 ug/l
RT: 7.49 min Scan# 917
Delta R.T. -0.00 min
Lab File: VW005838.D
Acq: 04 Oct 2018 05:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tgt Ion:	41	Resp:	75689
Ion	Ratio	Lower	Upper
41	100		
39	55.9	45.6	68.4
67	72.3	53.6	80.4
52	32.1	23.9	35.9

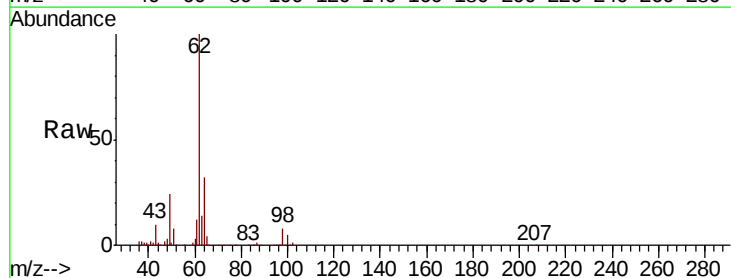


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

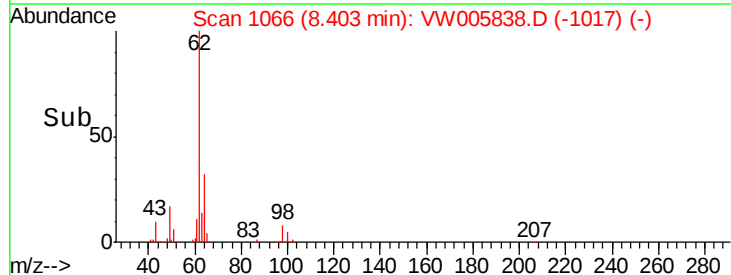
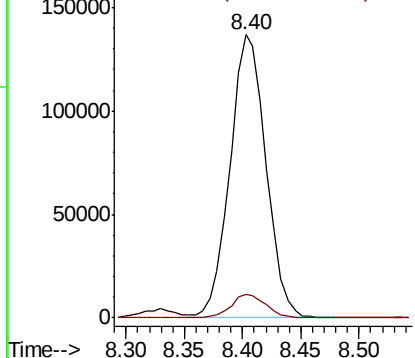


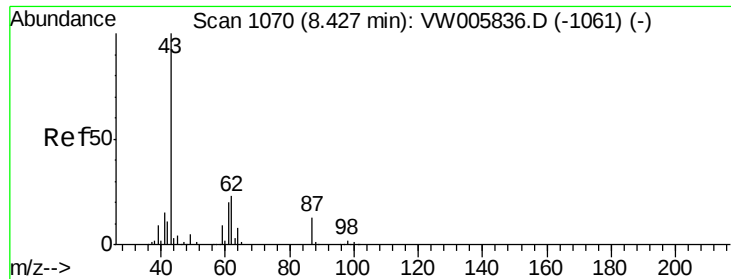
#42
1,2-Dichloroethane
Concen: 101.642 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW005838.D
Acq: 04 Oct 2018 05:20

Tgt Ion:	62	Resp:	293877
Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	16.2



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





#43

Isopropyl Acetate

Concen: 100.188 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW005838.D

Acq: 04 Oct 2018 05:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

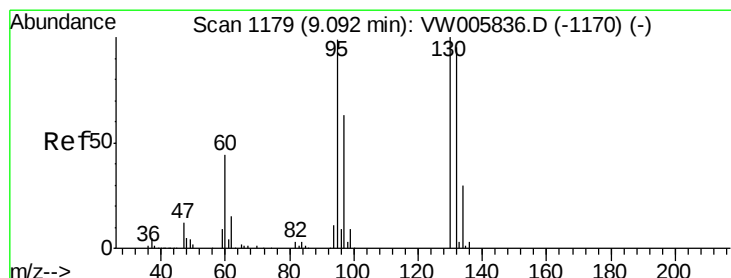
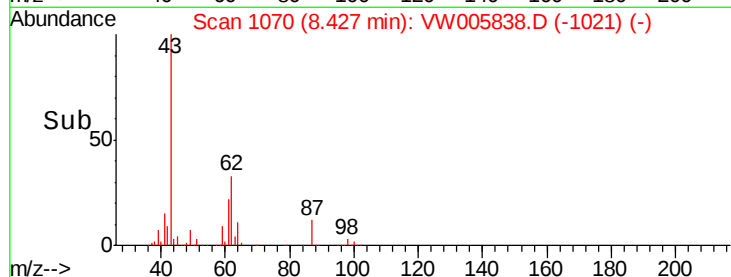
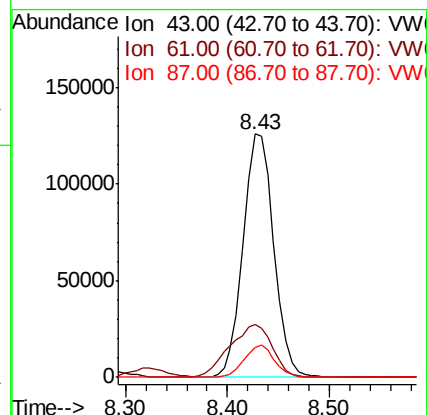
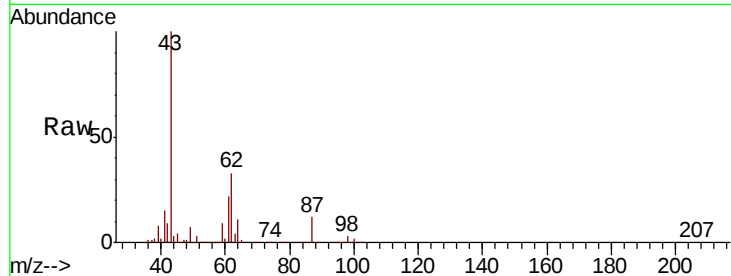
Tgt Ion: 43 Resp: 263465

Ion Ratio Lower Upper

43 100

61 30.0 24.1 36.1

87 13.1 10.6 16.0



#44

Trichloroethene

Concen: 104.146 ug/l

RT: 9.10 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VW005838.D

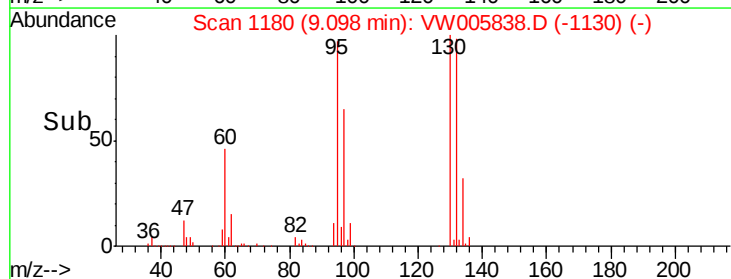
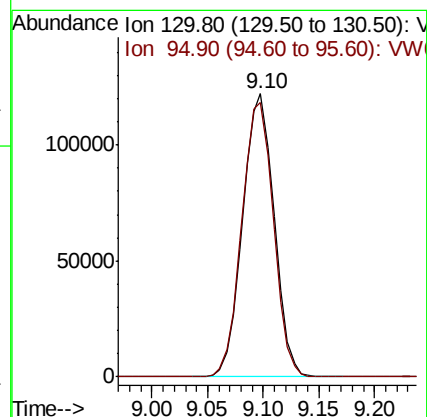
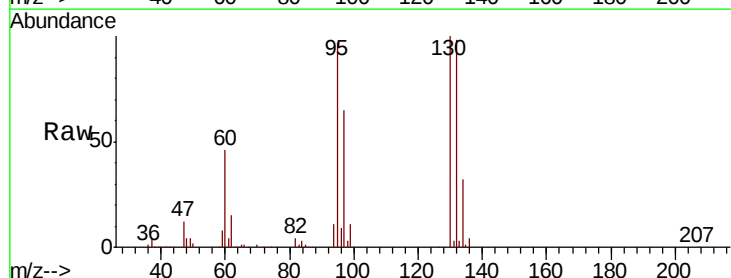
Acq: 04 Oct 2018 05:20

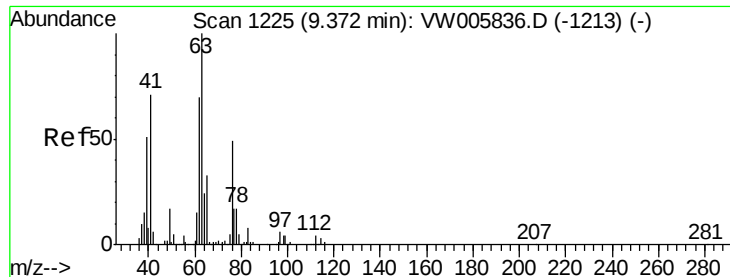
Tgt Ion: 130 Resp: 238710

Ion Ratio Lower Upper

130 100

95 97.0 0.0 197.6

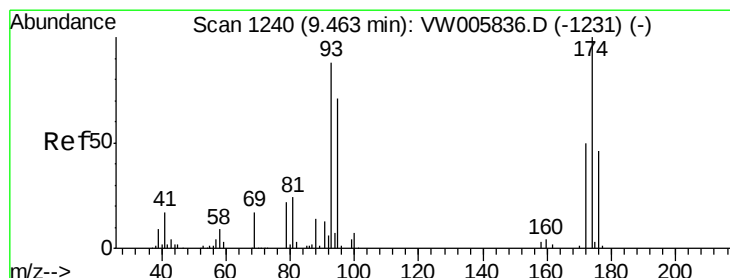
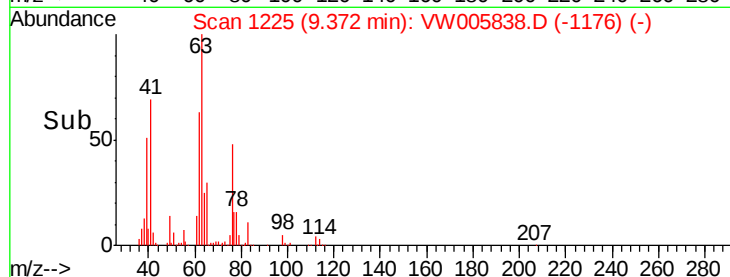
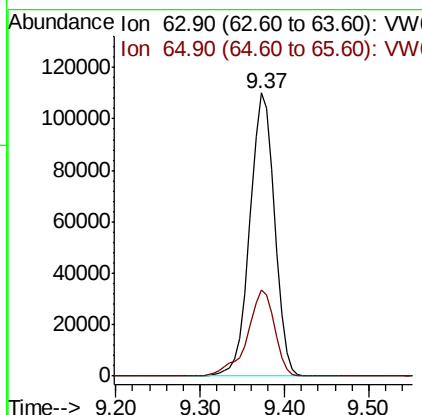
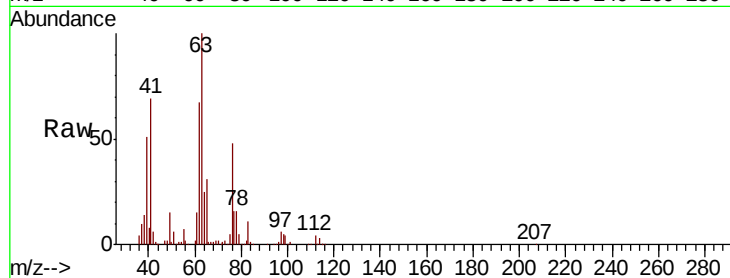




#45
 1,2-Dichloropropane
 Concen: 100.186 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW005838.D
 Acq: 04 Oct 2018 05:20

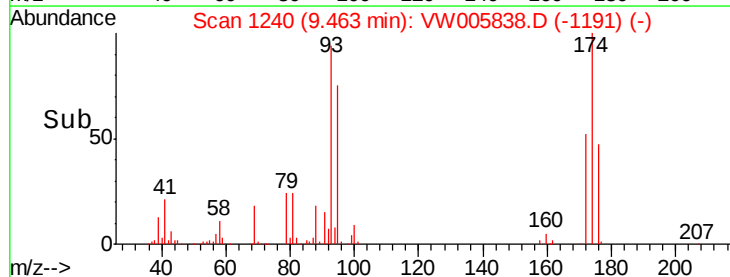
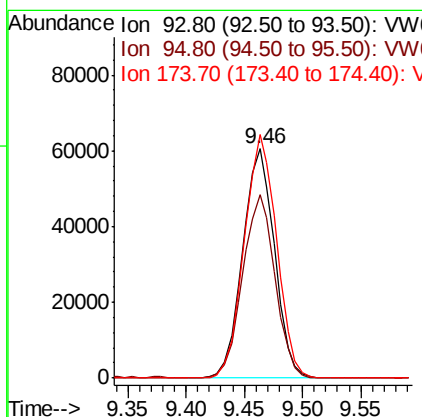
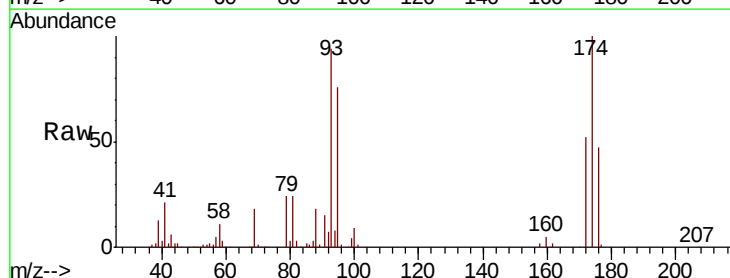
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

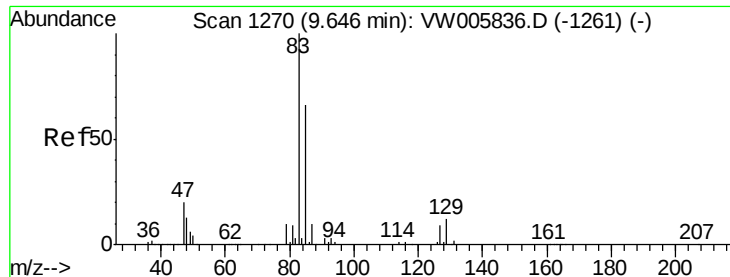
Tgt Ion: 63 Resp: 217790
 Ion Ratio Lower Upper
 63 100
 65 30.5 26.1 39.1



#46
 Dibromomethane
 Concen: 104.150 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VW005838.D
 Acq: 04 Oct 2018 05:20

Tgt Ion: 93 Resp: 115468
 Ion Ratio Lower Upper
 93 100
 95 81.5 65.9 98.9
 174 108.0 88.4 132.6





#47

Bromodichloromethane

Concen: 105.485 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW005838.D

Acq: 04 Oct 2018 05:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

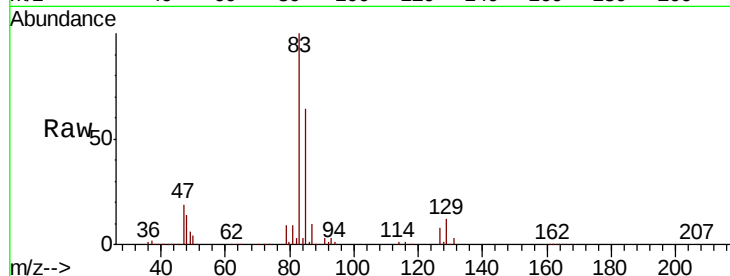
Tgt Ion: 83 Resp: 311656

Ion Ratio Lower Upper

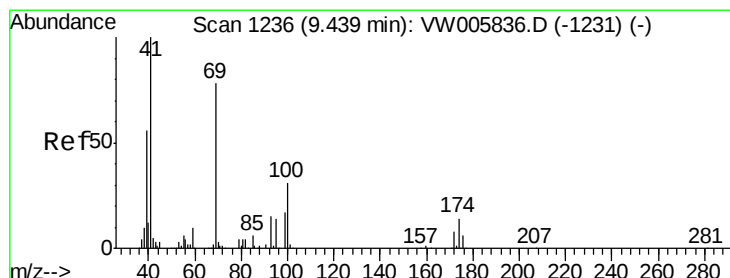
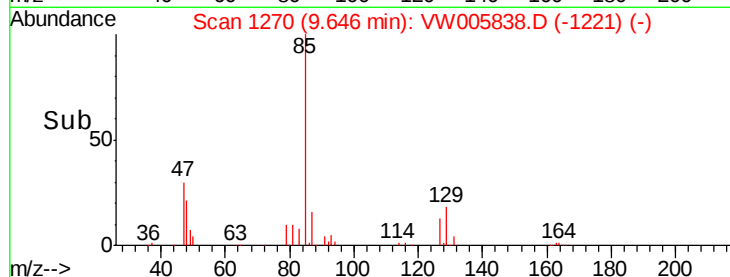
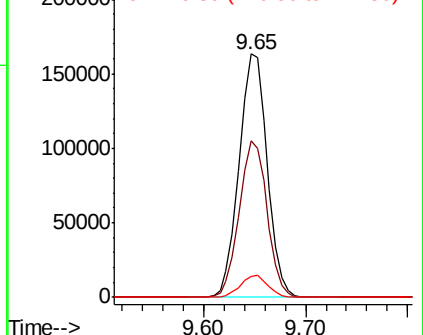
83 100

85 64.2 52.6 78.8

127 8.3 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 107.255 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VW005838.D

Acq: 04 Oct 2018 05:20

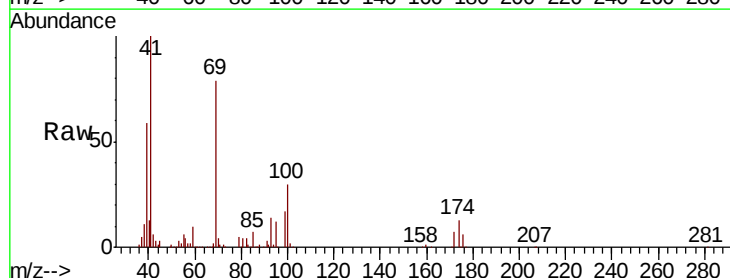
Tgt Ion: 41 Resp: 134143

Ion Ratio Lower Upper

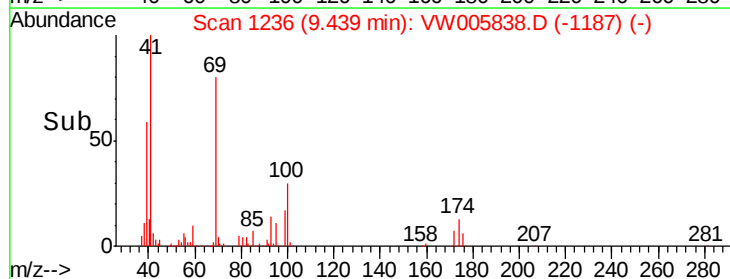
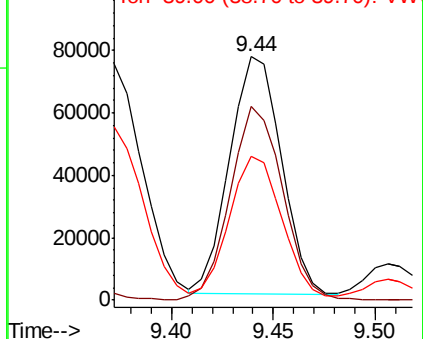
41 100

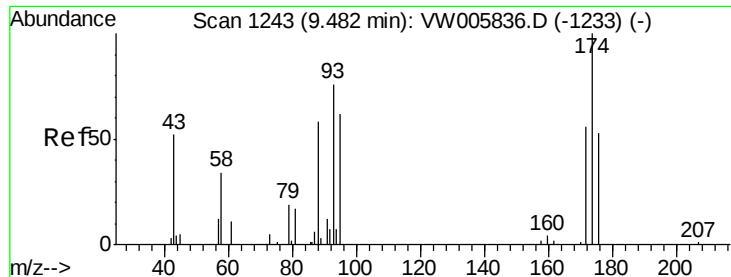
69 82.9 66.4 99.6

39 62.8 50.1 75.1



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

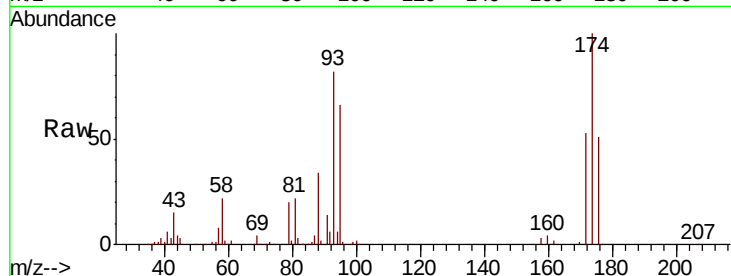




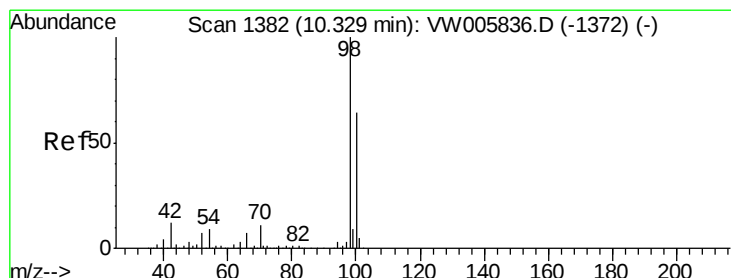
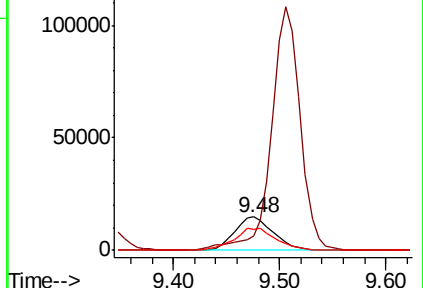
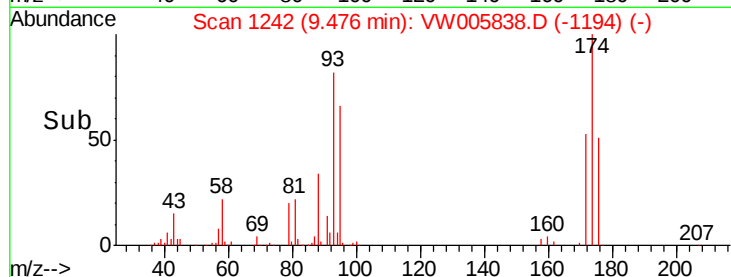
#49
 1,4-Dioxane
 Concen: 2169.999 ug/l
 RT: 9.48 min Scan# 1242
 Delta R.T. -0.01 min
 Lab File: VW005838.D
 Acq: 04 Oct 2018 05:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tgt Ion: 88 Resp: 38400
 Ion Ratio Lower Upper
 88 100
 43 0.0 0.0 0.0
 58 71.1 58.1 87.1

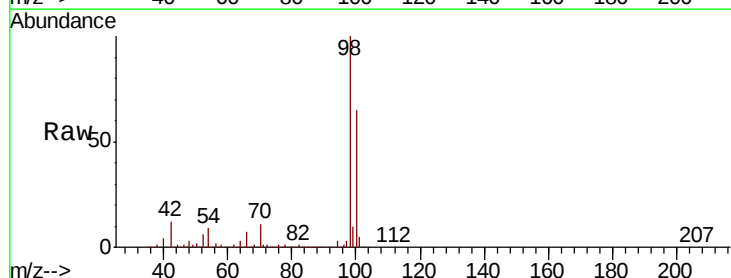


Abundance Ion 88.00 (87.70 to 88.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 58.00 (57.70 to 58.70): VW

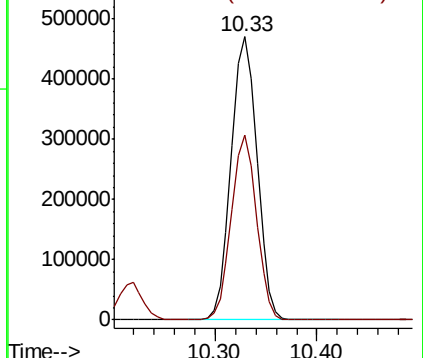
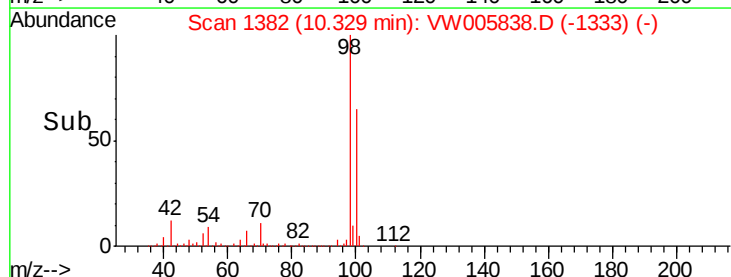


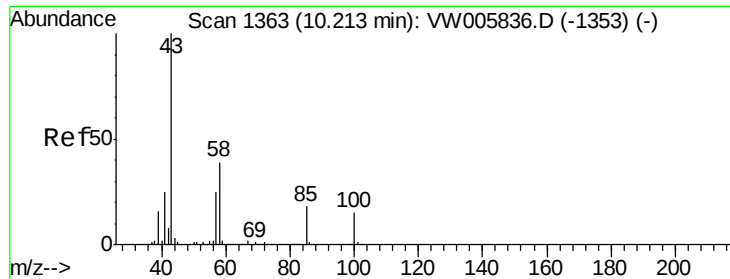
#50
 Toluene-d8
 Concen: 104.102 ug/l
 RT: 10.33 min Scan# 1382
 Delta R.T. -0.00 min
 Lab File: VW005838.D
 Acq: 04 Oct 2018 05:20

Tgt Ion: 98 Resp: 826673
 Ion Ratio Lower Upper
 98 100
 100 63.5 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VW
 Ion 100.00 (99.70 to 100.70): VW

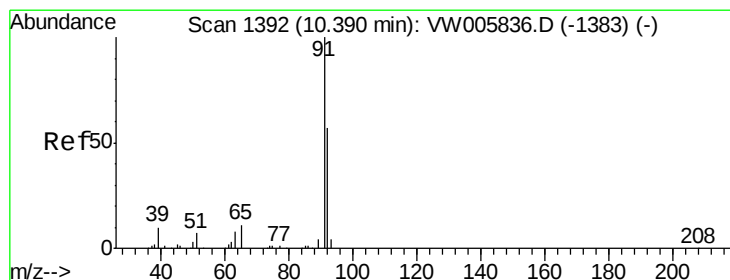
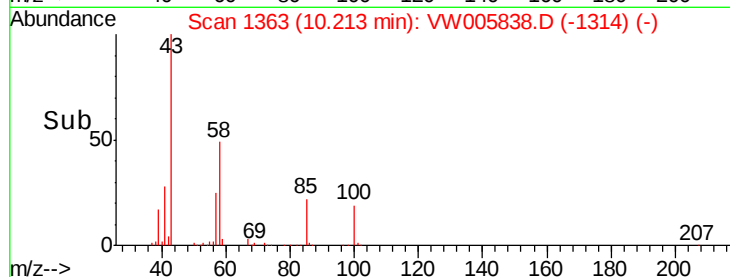
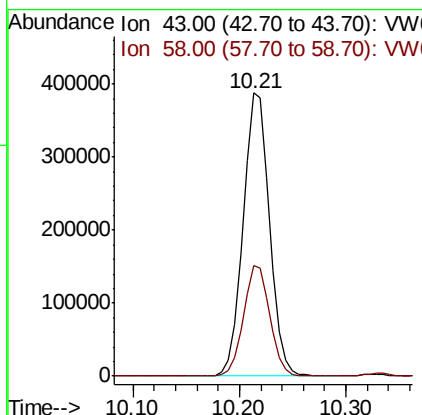
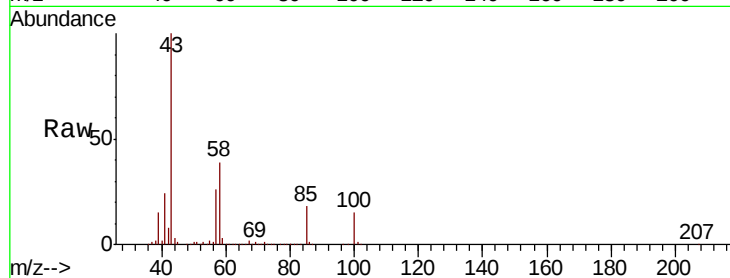




#51
 4-Methyl-2-Pentanone
 Concen: 506.723 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VW005838.D
 Acq: 04 Oct 2018 05:20

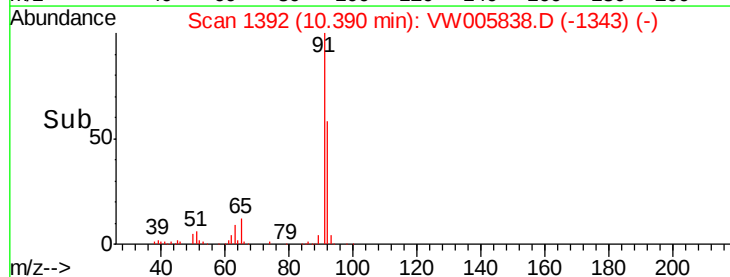
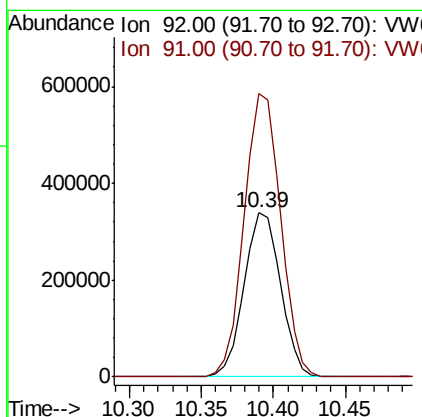
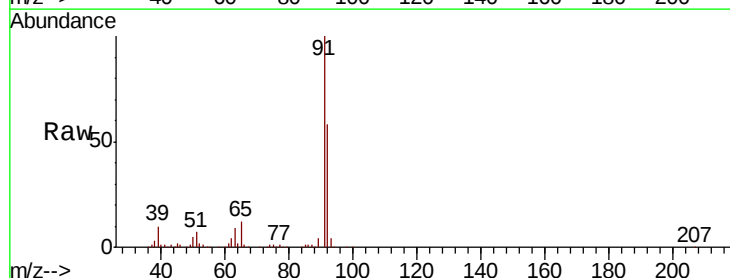
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

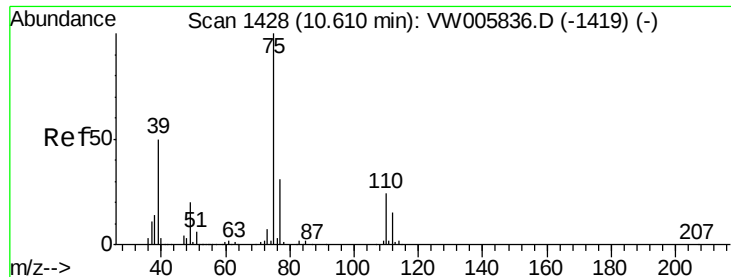
Tgt Ion: 43 Resp: 673421
 Ion Ratio Lower Upper
 43 100
 58 38.7 30.6 45.8



#52
 Toluene
 Concen: 106.588 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VW005838.D
 Acq: 04 Oct 2018 05:20

Tgt Ion: 92 Resp: 594903
 Ion Ratio Lower Upper
 92 100
 91 172.5 139.0 208.4





#53

t-1,3-Dichloropropene

Concen: 106.449 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW005838.D

Acq: 04 Oct 2018 05:20

Instrument :

MSVOA_W

ClientSampleId :

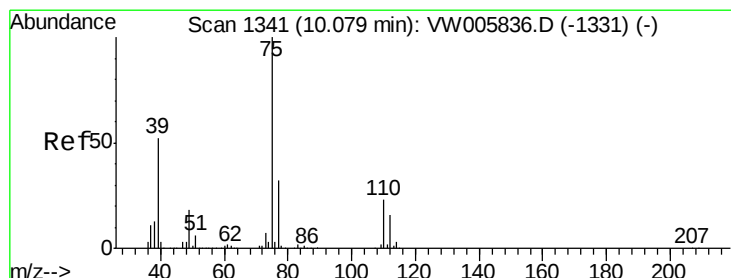
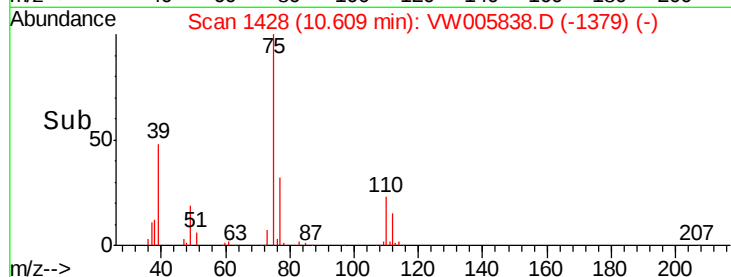
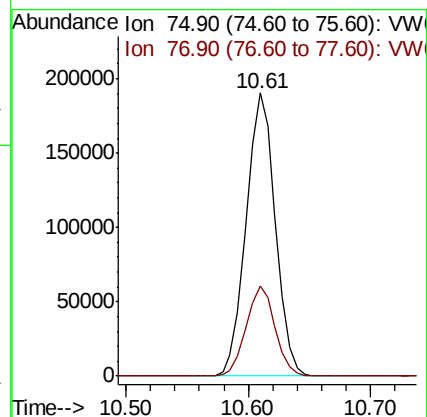
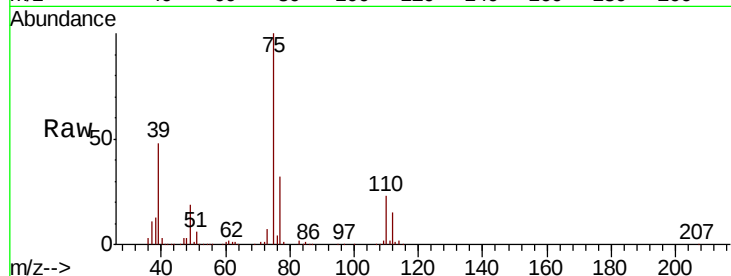
VSTDIC100

Tgt Ion: 75 Resp: 315009

Ion Ratio Lower Upper

75 100

77 31.9 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 105.888 ug/l

RT: 10.08 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VW005838.D

Acq: 04 Oct 2018 05:20

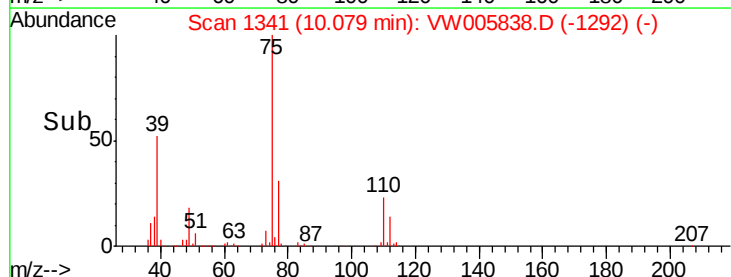
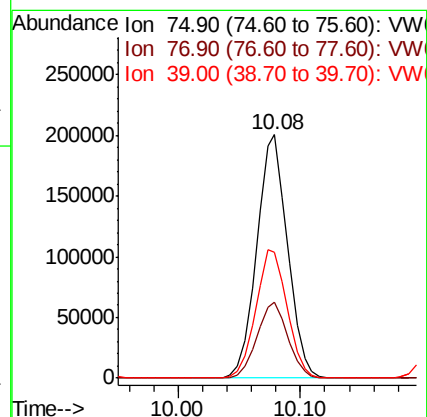
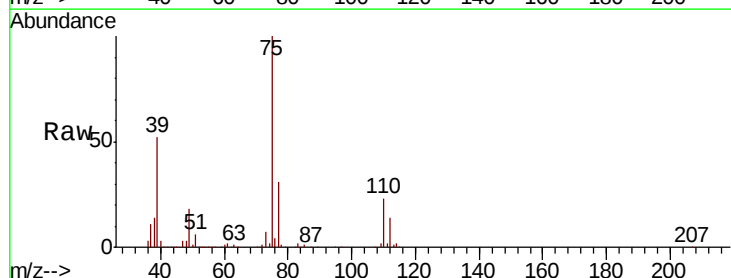
Tgt Ion: 75 Resp: 350663

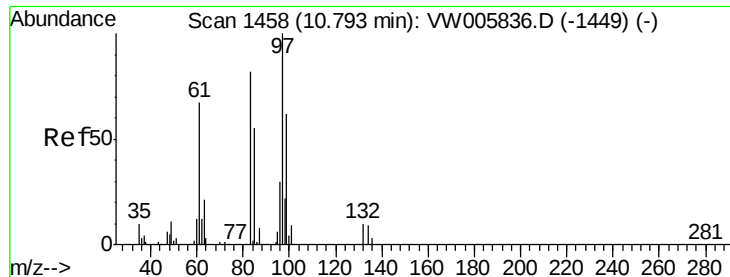
Ion Ratio Lower Upper

75 100

77 31.4 25.4 38.2

39 51.9 41.9 62.9





#55

1,1,2-Trichloroethane

Concen: 104.194 ug/l

RT: 10.79 min Scan# 1458

Delta R.T. -0.00 min

Lab File: VW005838.D

Acq: 04 Oct 2018 05:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tgt Ion: 97 Resp: 164368

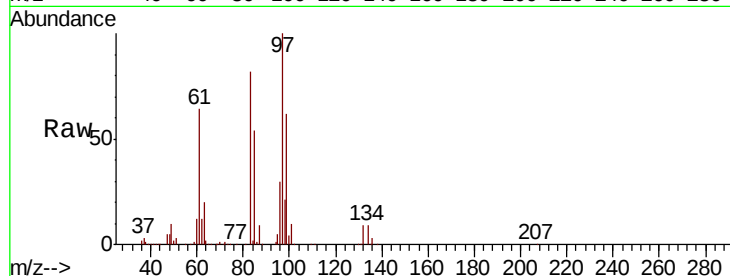
Ion Ratio Lower Upper

97 100

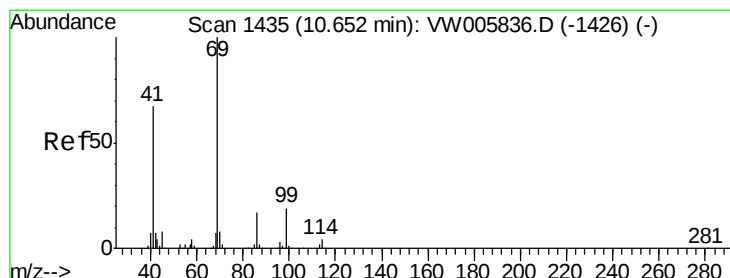
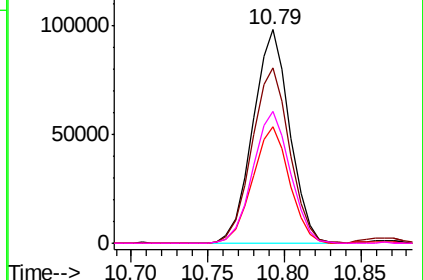
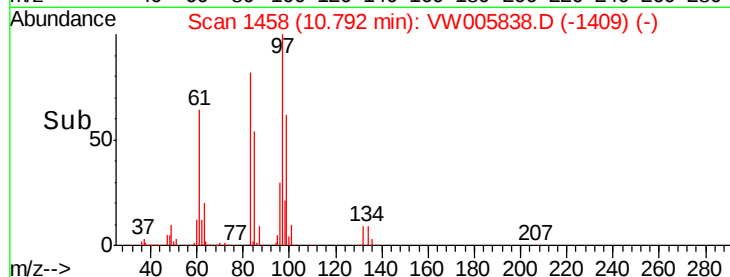
83 82.0 65.9 98.9

85 54.5 44.2 66.2

99 61.7 49.2 73.8



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



#56

Ethyl methacrylate

Concen: 113.908 ug/l

RT: 10.65 min Scan# 1435

Delta R.T. -0.00 min

Lab File: VW005838.D

Acq: 04 Oct 2018 05:20

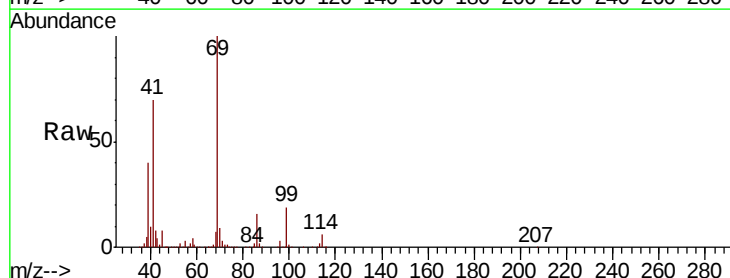
Tgt Ion: 69 Resp: 221655

Ion Ratio Lower Upper

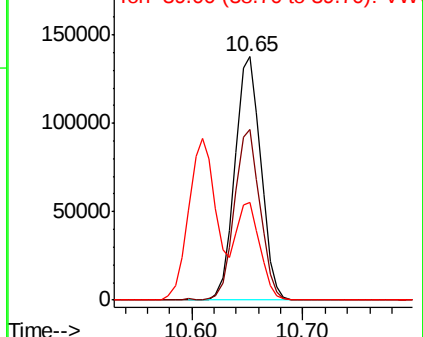
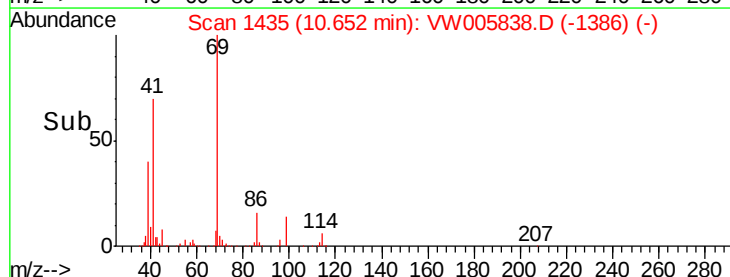
69 100

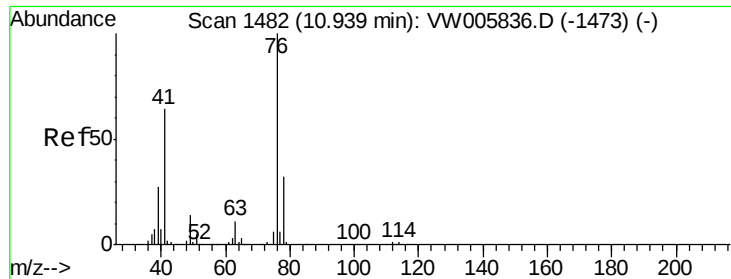
41 69.0 55.8 83.6

39 36.0 29.3 43.9



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

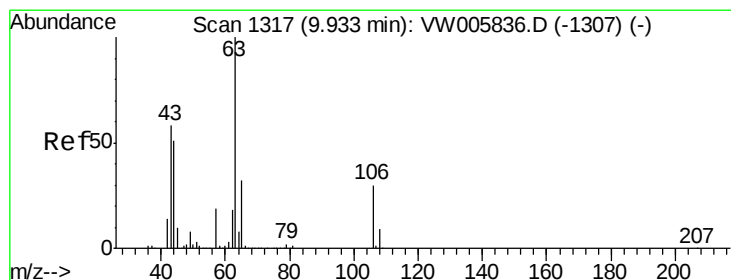
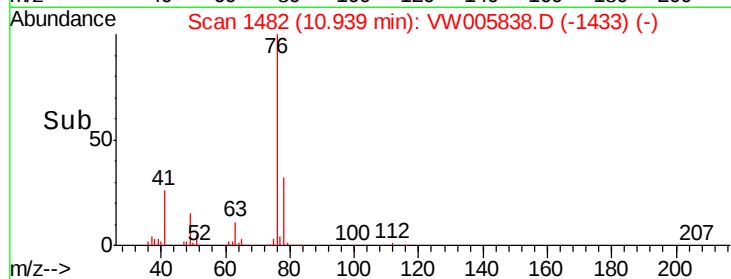
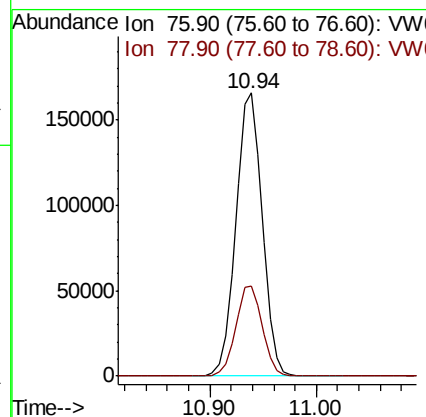
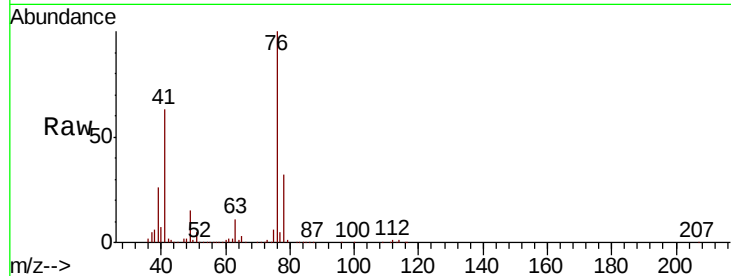




#57
 1,3-Dichloropropane
 Concen: 103.255 ug/l
 RT: 10.94 min Scan# 1482
 Delta R.T. -0.00 min
 Lab File: VW005838.D
 Acq: 04 Oct 2018 05:20

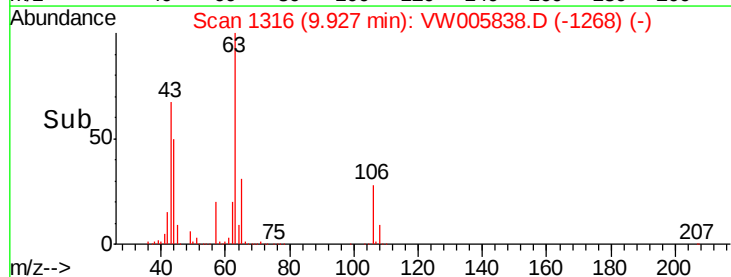
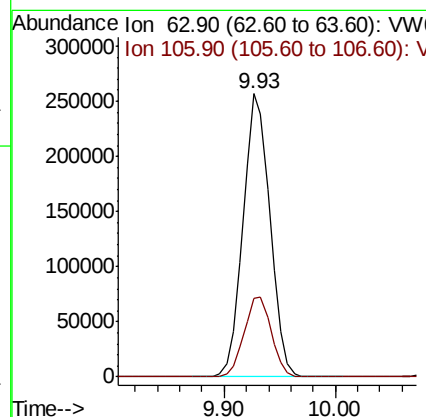
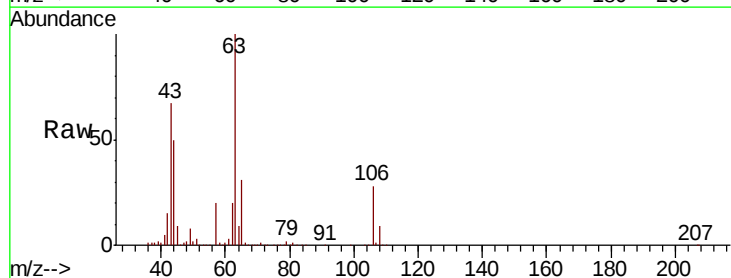
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

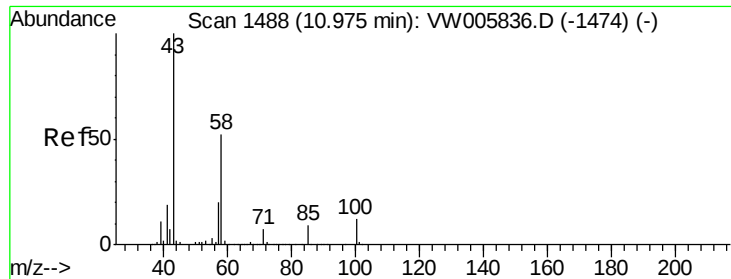
Tgt Ion: 76 Resp: 287193
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 495.941 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.01 min
 Lab File: VW005838.D
 Acq: 04 Oct 2018 05:20

Tgt Ion: 63 Resp: 428865
 Ion Ratio Lower Upper
 63 100
 106 28.8 23.7 35.5

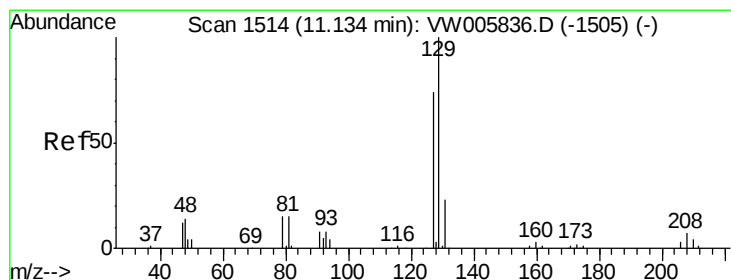
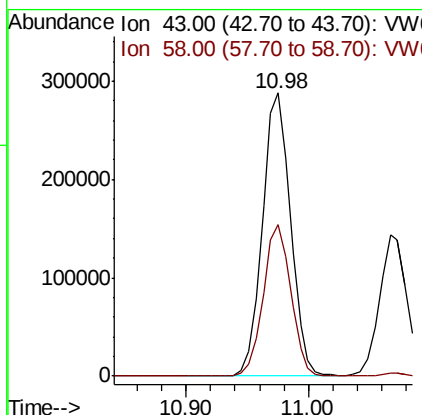
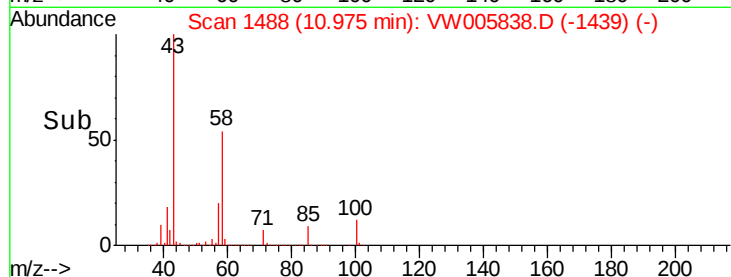
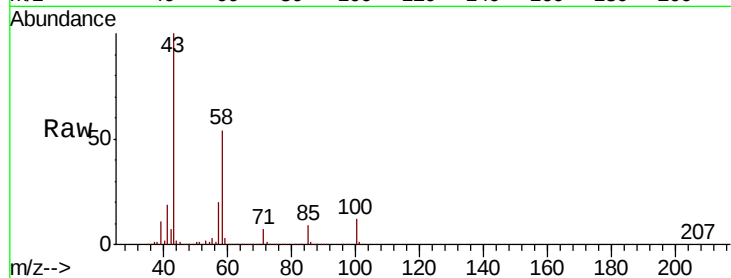




#59
2-Hexanone
Concen: 512.499 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VW005838.D
Acq: 04 Oct 2018 05:20

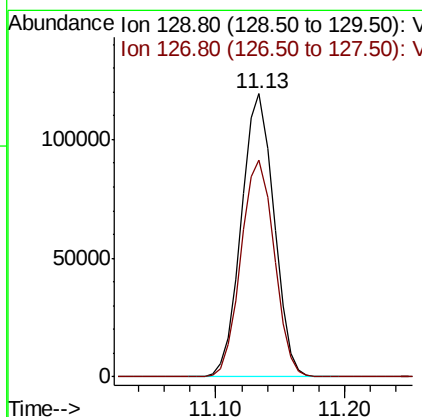
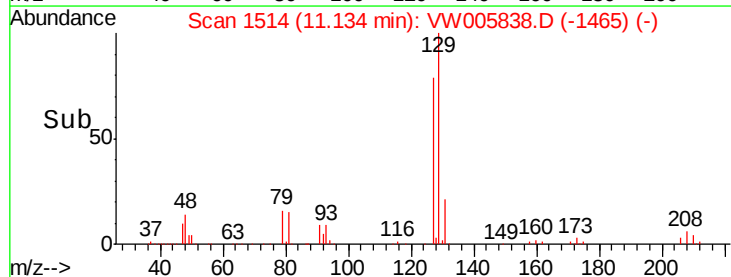
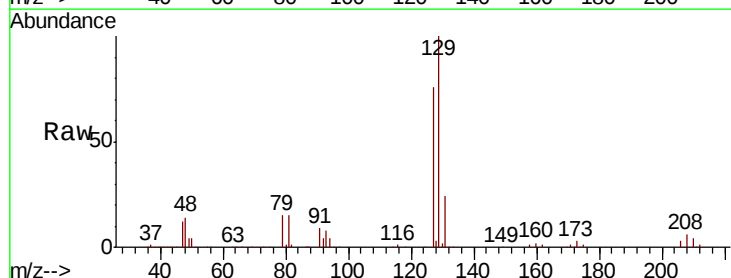
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

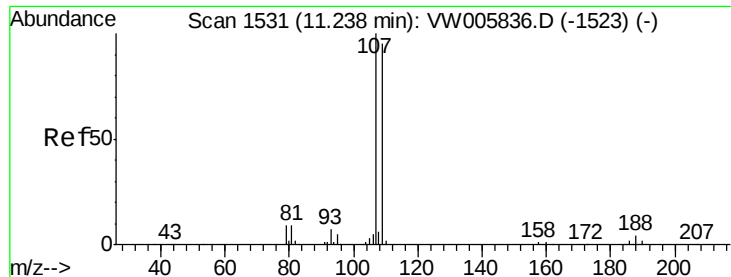
Tgt Ion: 43 Resp: 461600
Ion Ratio Lower Upper
43 100
58 52.5 25.9 77.7



#60
Dibromochloromethane
Concen: 108.709 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VW005838.D
Acq: 04 Oct 2018 05:20

Tgt Ion: 129 Resp: 208859
Ion Ratio Lower Upper
129 100
127 77.9 37.2 111.6

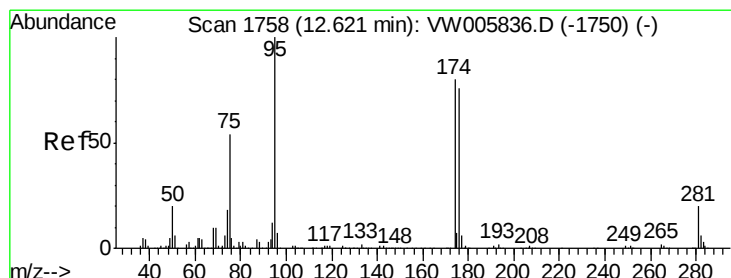
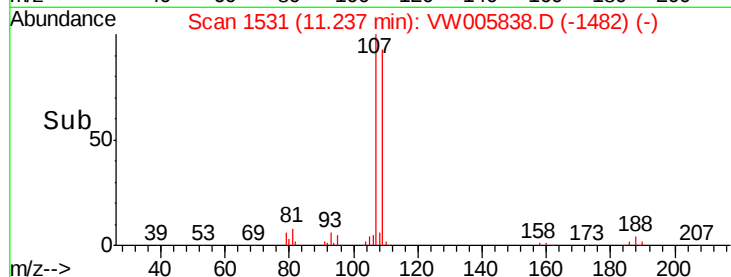
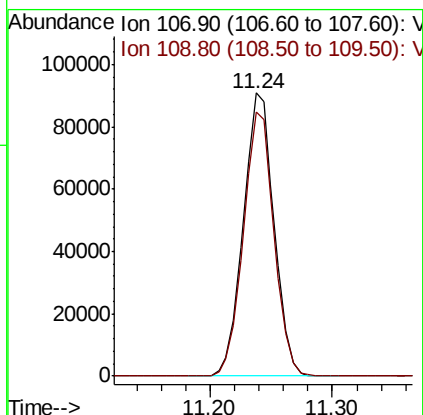
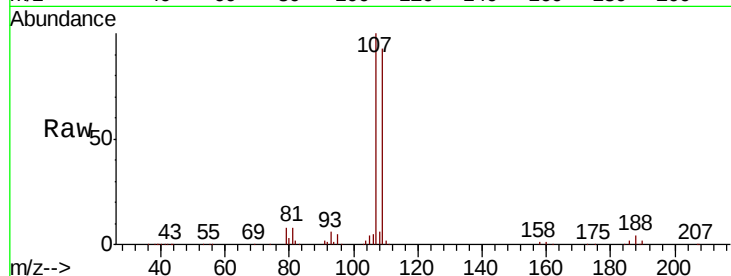




#61
 1,2-Dibromoethane
 Concen: 107.035 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW005838.D
 Acq: 04 Oct 2018 05:20

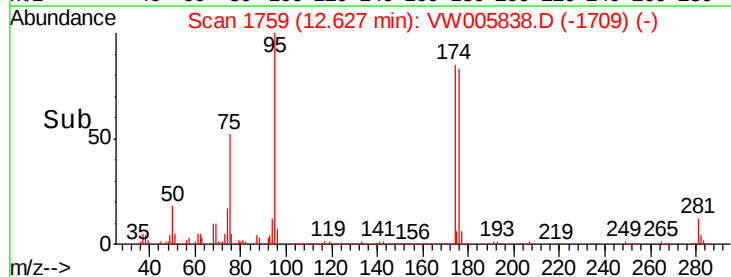
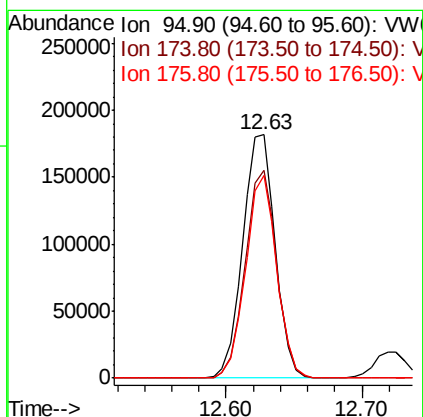
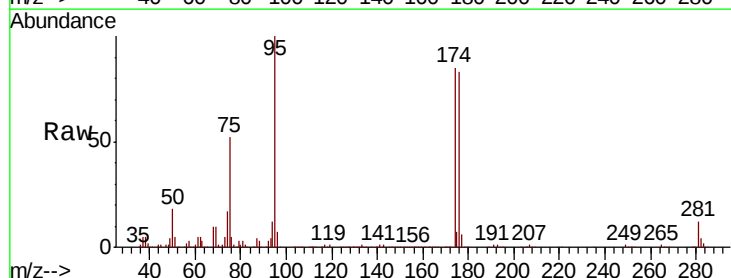
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

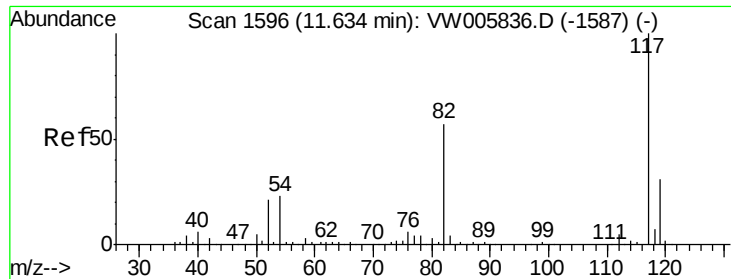
Tgt Ion: 107 Resp: 157767
 Ion Ratio Lower Upper
 107 100
 109 93.2 76.6 114.8



#62
 4-Bromofluorobenzene
 Concen: 102.618 ug/l
 RT: 12.63 min Scan# 1759
 Delta R.T. 0.01 min
 Lab File: VW005838.D
 Acq: 04 Oct 2018 05:20

Tgt Ion: 95 Resp: 302297
 Ion Ratio Lower Upper
 95 100
 174 83.0 0.0 169.0
 176 79.9 0.0 164.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1597

Delta R.T. 0.01 min

Lab File: VW005838.D

Acq: 04 Oct 2018 05:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

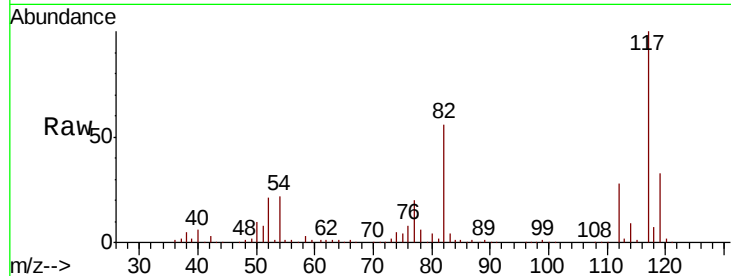
Tgt Ion:117 Resp: 288671

Ion Ratio Lower Upper

117 100

82 56.1 45.6 68.4

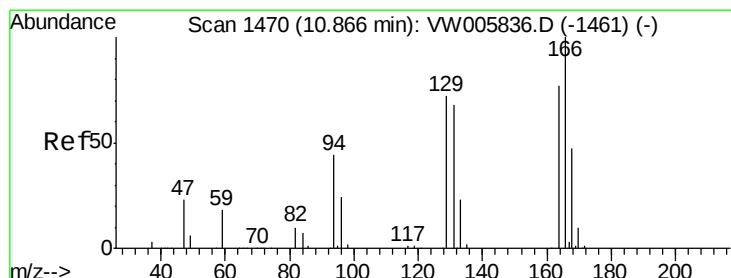
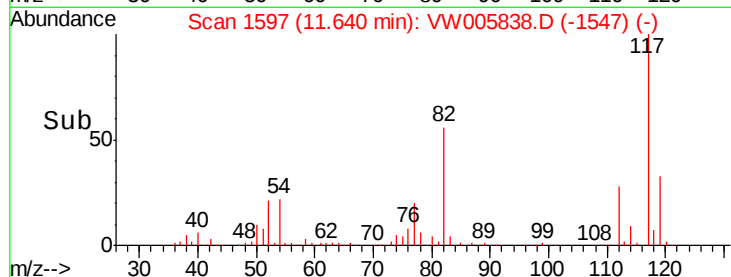
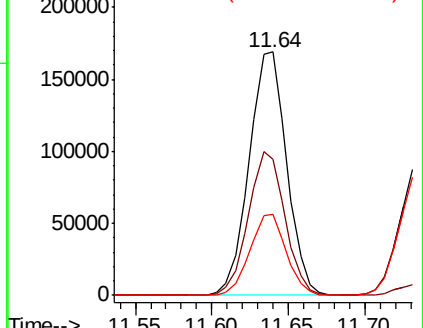
119 33.1 25.0 37.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 111.543 ug/l

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW005838.D

Acq: 04 Oct 2018 05:20

Tgt Ion:164 Resp: 233247

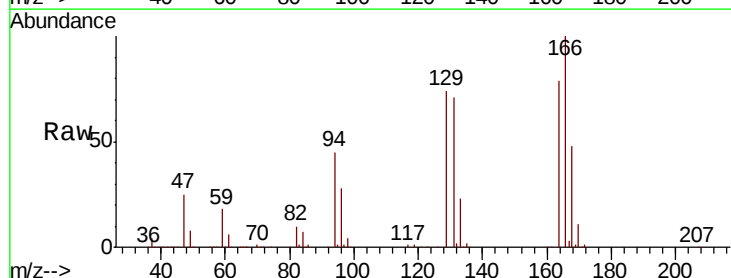
Ion Ratio Lower Upper

164 100

166 127.2 104.0 156.0

129 93.9 74.8 112.2

131 89.9 71.2 106.8

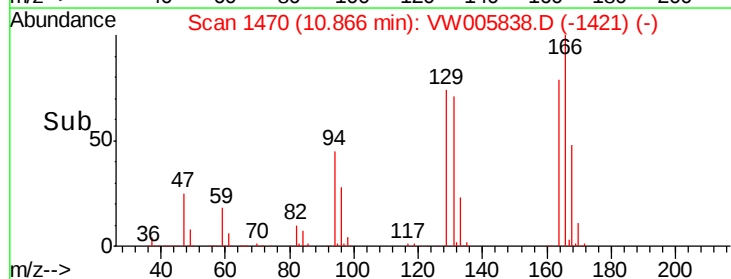
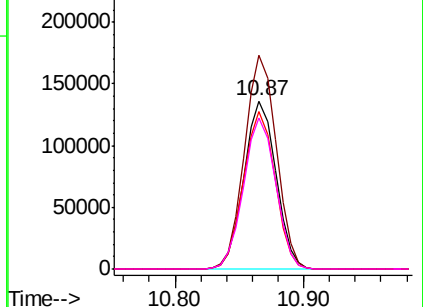


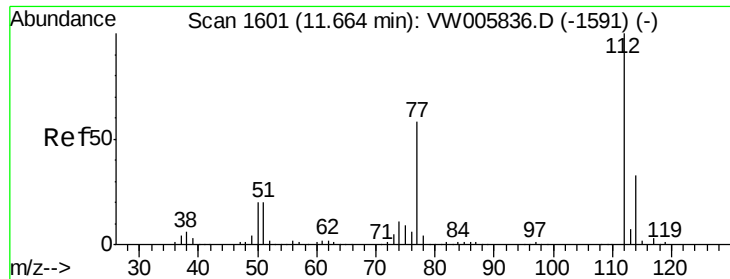
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

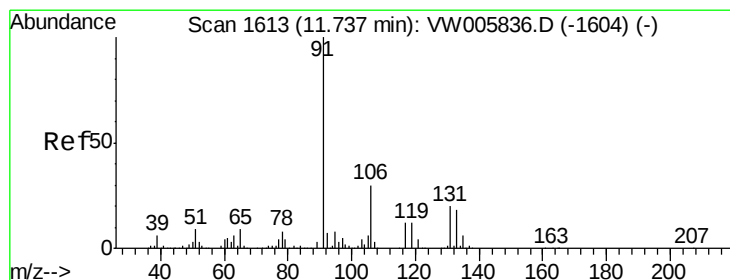
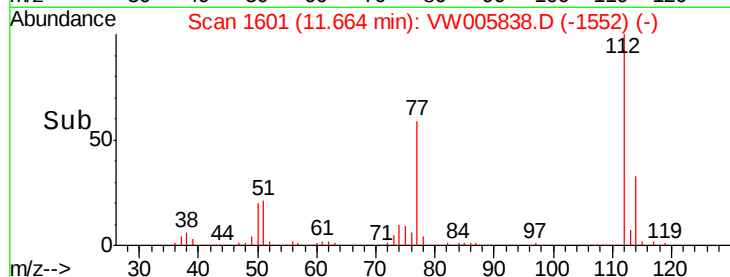
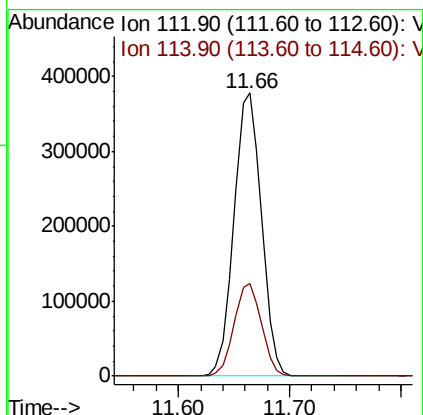
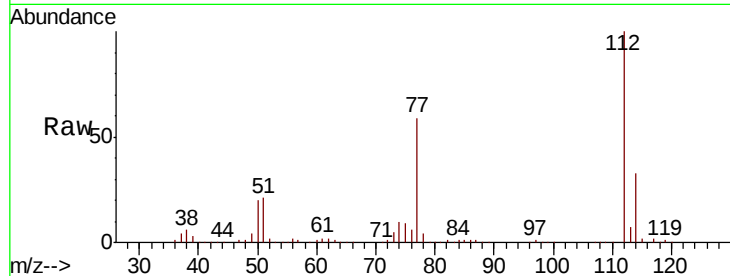




#65
Chlorobenzene
Concen: 104.397 ug/l
RT: 11.66 min Scan# 1601
Delta R.T. -0.00 min
Lab File: VW005838.D
Acq: 04 Oct 2018 05:20

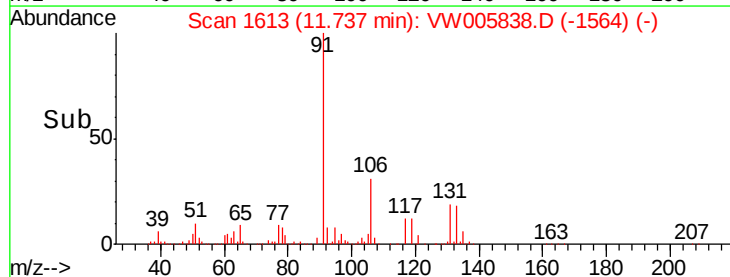
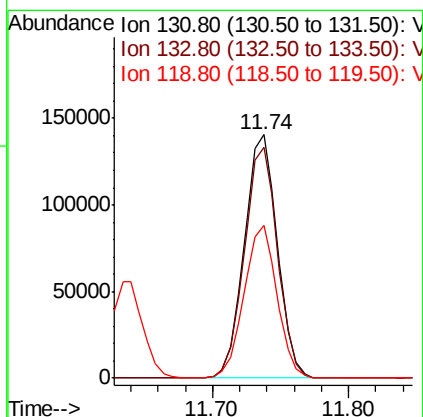
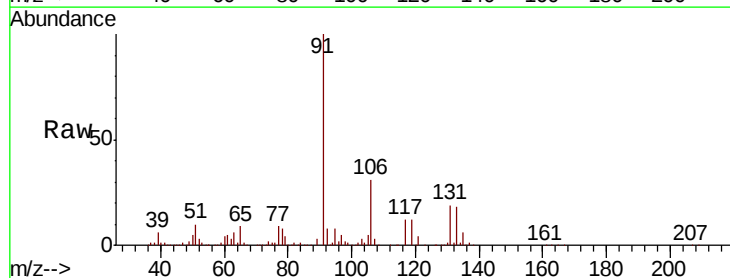
Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

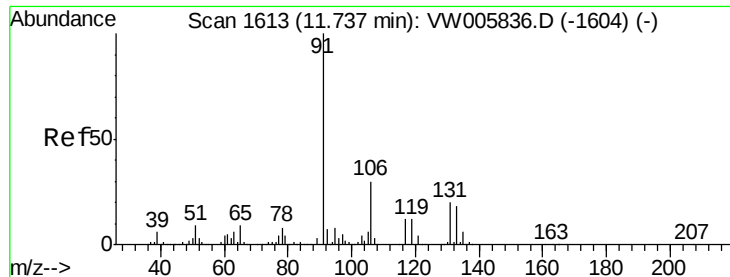
Tgt Ion:112 Resp: 645107
Ion Ratio Lower Upper
112 100
114 32.6 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 106.642 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW005838.D
Acq: 04 Oct 2018 05:20

Tgt Ion:131 Resp: 238801
Ion Ratio Lower Upper
131 100
133 95.2 47.0 141.0
119 62.4 30.4 91.2

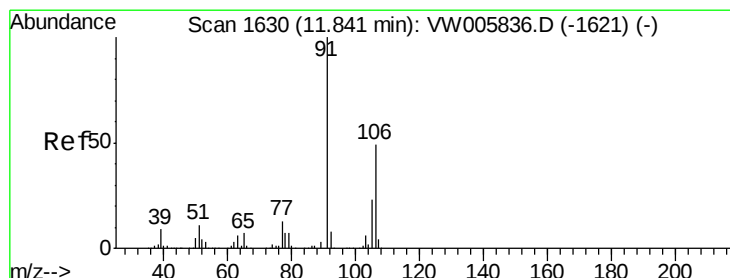
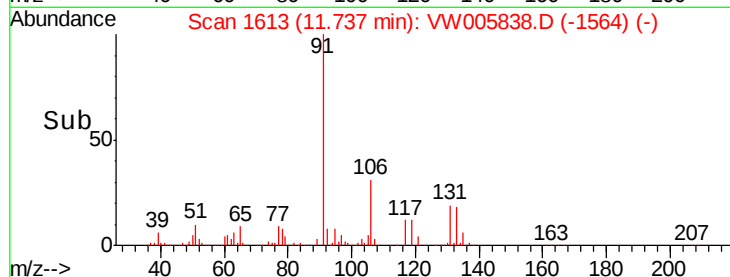
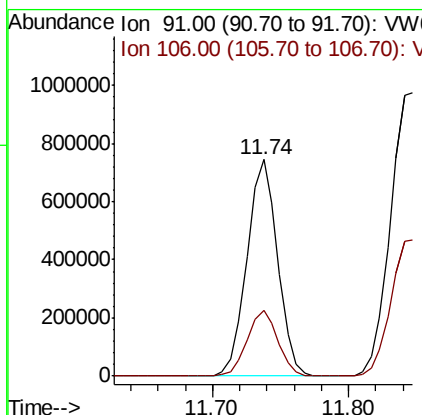
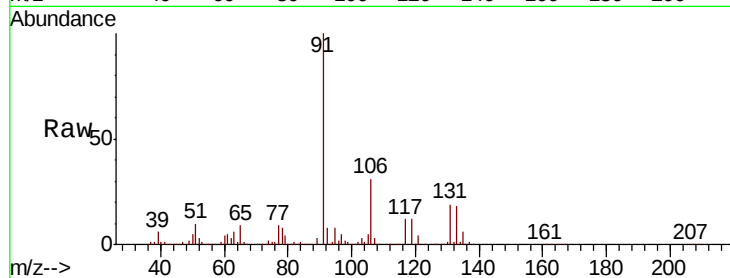




#67
Ethyl Benzene
Concen: 107.238 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW005838.D
Acq: 04 Oct 2018 05:20

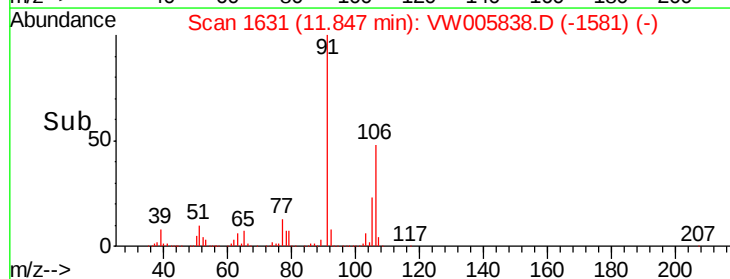
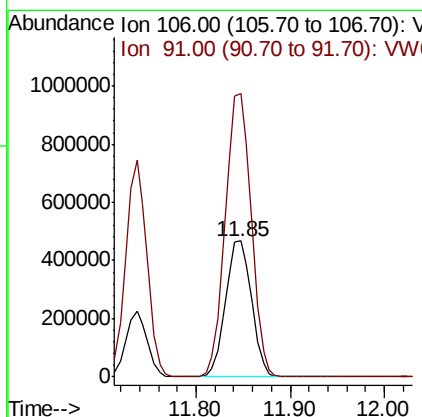
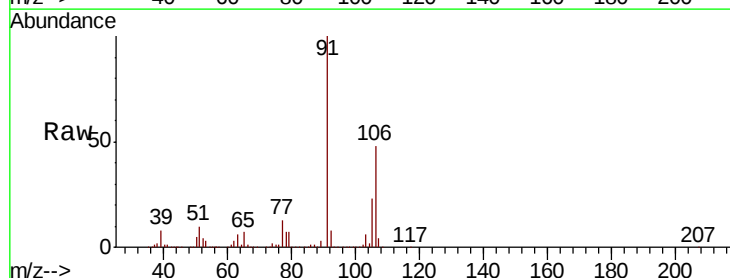
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

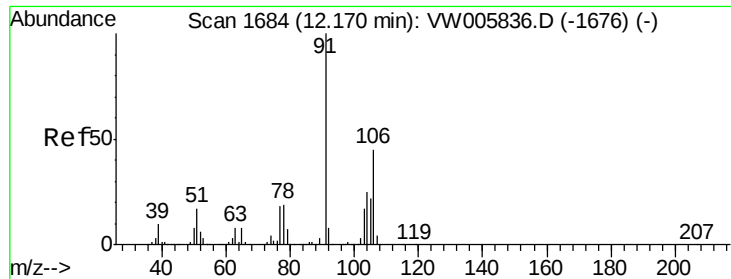
Tgt Ion: 91 Resp: 1172876
Ion Ratio Lower Upper
91 100
106 30.5 24.3 36.5



#68
m/p-Xylenes
Concen: 215.310 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. 0.01 min
Lab File: VW005838.D
Acq: 04 Oct 2018 05:20

Tgt Ion: 106 Resp: 892728
Ion Ratio Lower Upper
106 100
91 208.2 165.4 248.0

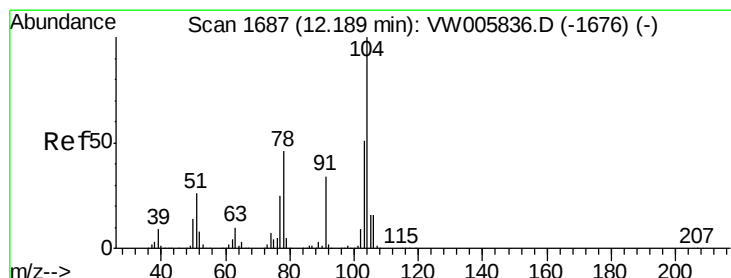
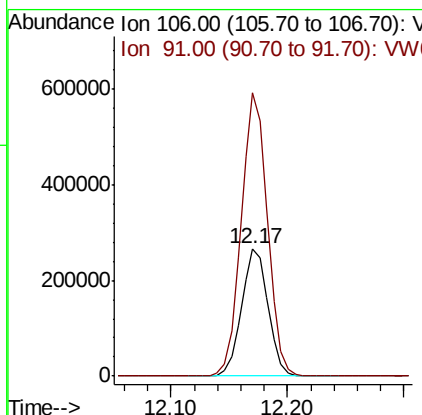
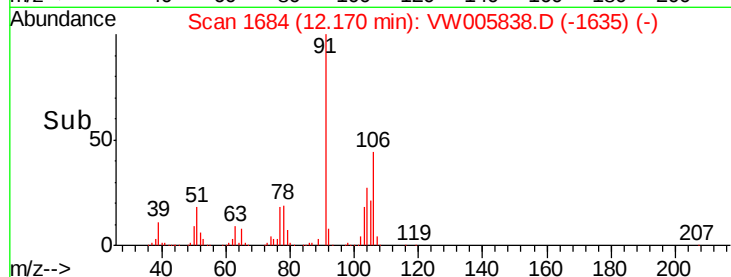
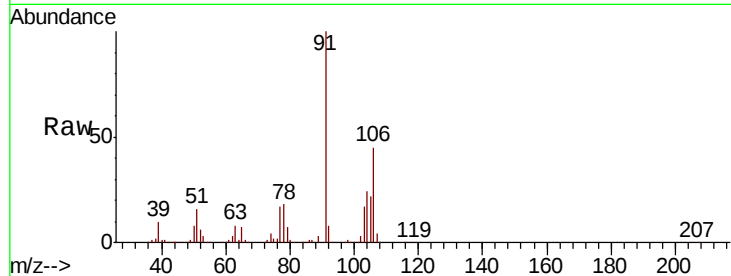




#69
o-Xylene
Concen: 108.625 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW005838.D
Acq: 04 Oct 2018 05:20

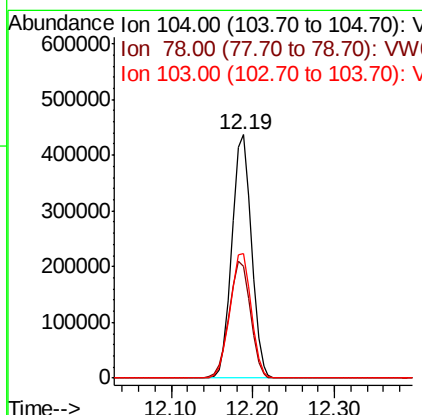
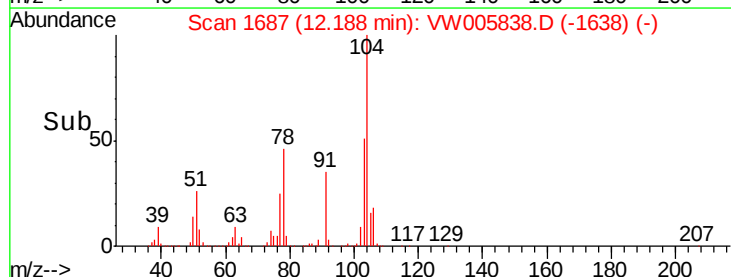
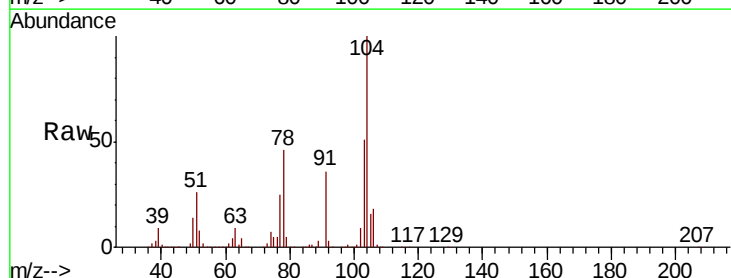
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

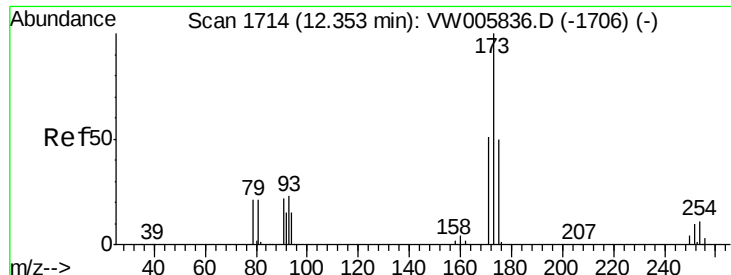
Tgt Ion:106 Resp: 421439
Ion Ratio Lower Upper
106 100
91 219.9 109.7 329.1



#70
Styrene
Concen: 109.373 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VW005838.D
Acq: 04 Oct 2018 05:20

Tgt Ion:104 Resp: 713993
Ion Ratio Lower Upper
104 100
78 52.6 42.3 63.5
103 55.7 44.9 67.3





#71

Bromoform

Concen: 108.967 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW005838.D

Acq: 04 Oct 2018 05:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

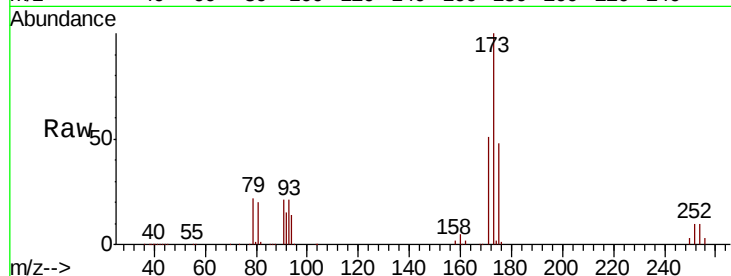
Tgt Ion:173 Resp: 130952

Ion Ratio Lower Upper

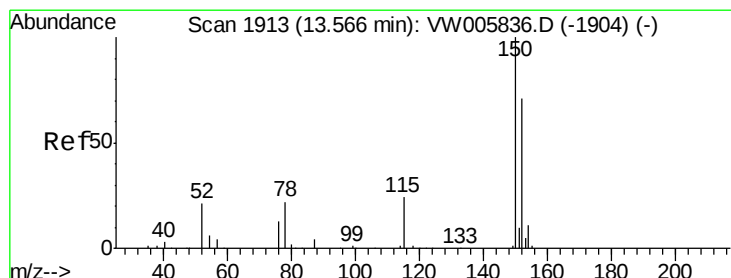
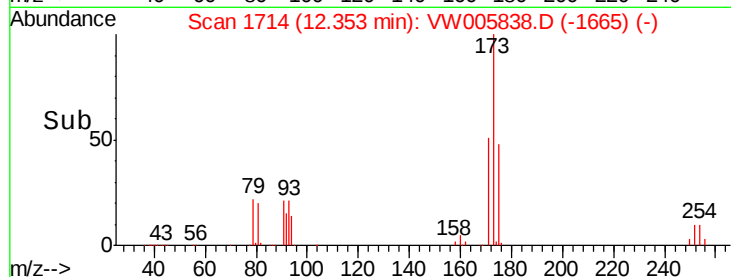
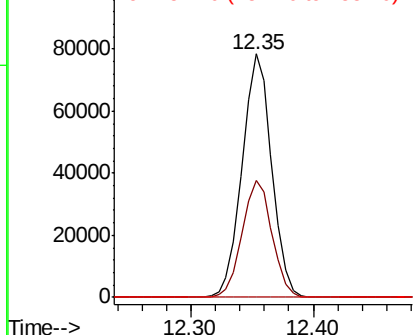
173 100

175 48.4 24.3 72.9

254 0.1 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: VW005838.D

Acq: 04 Oct 2018 05:20

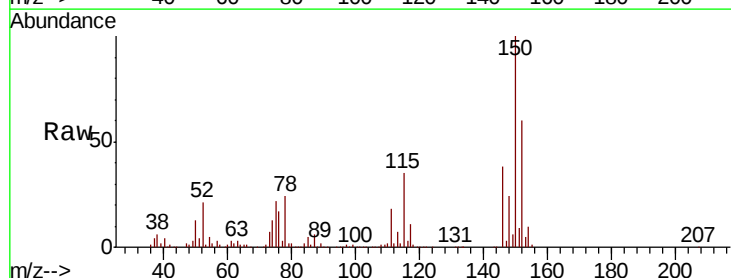
Tgt Ion:152 Resp: 153961

Ion Ratio Lower Upper

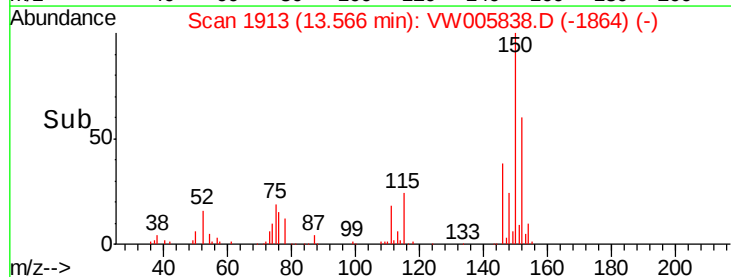
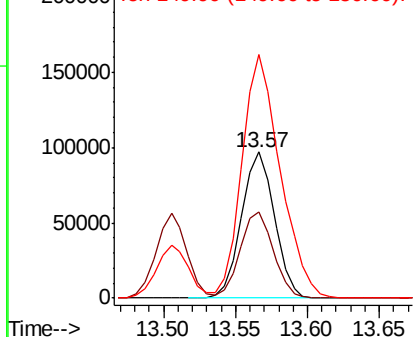
152 100

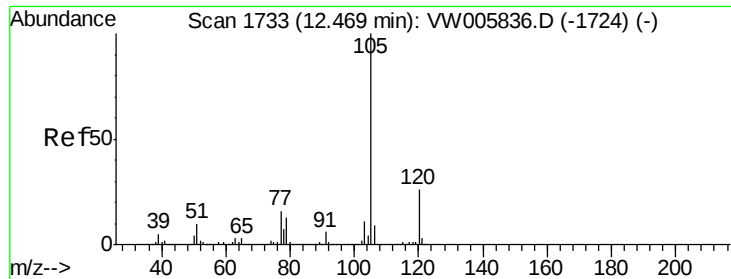
115 59.1 29.8 89.4

150 193.5 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: 110.901 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW005838.D

Acq: 04 Oct 2018 05:20

Instrument :

MSVOA_W

ClientSampleId :

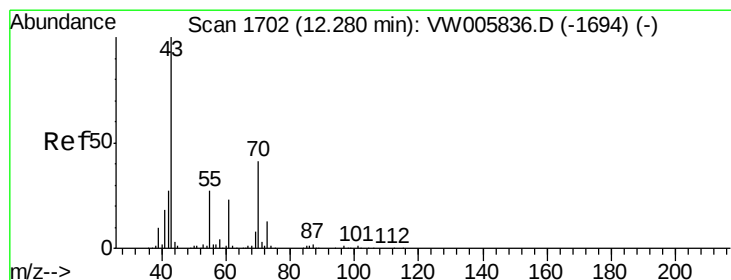
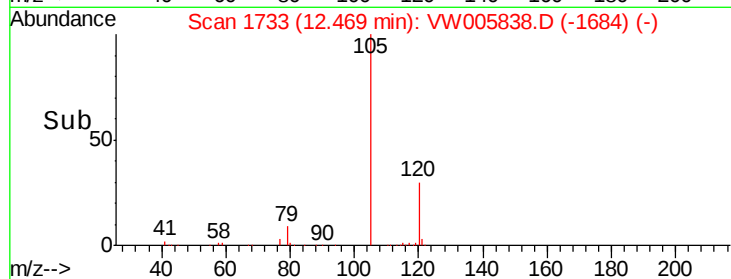
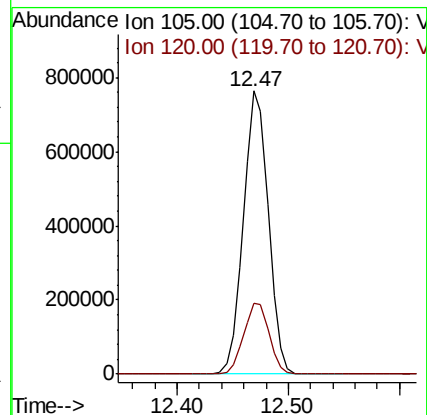
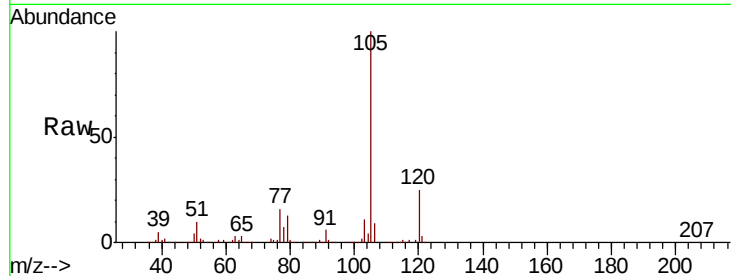
VSTDIC100

Tgt Ion:105 Resp: 1185460

Ion Ratio Lower Upper

105 100

120 25.7 12.9 38.7



#74

N-ethyl acetate

Concen: 104.096 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VW005838.D

Acq: 04 Oct 2018 05:20

Tgt Ion: 43 Resp: 252667

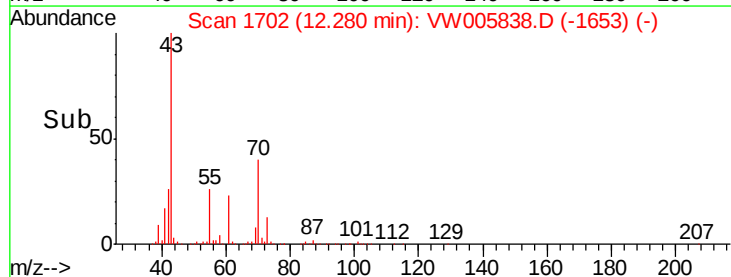
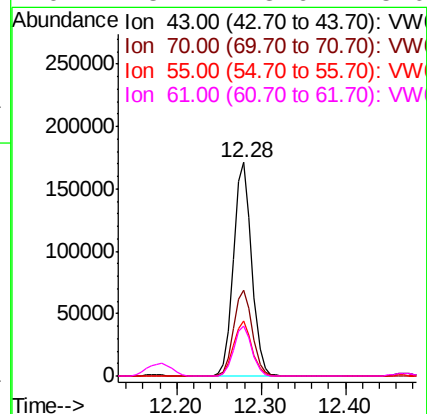
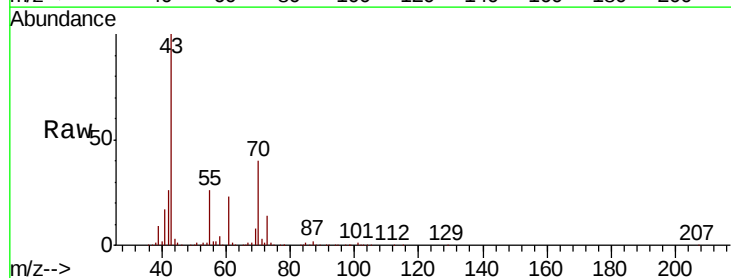
Ion Ratio Lower Upper

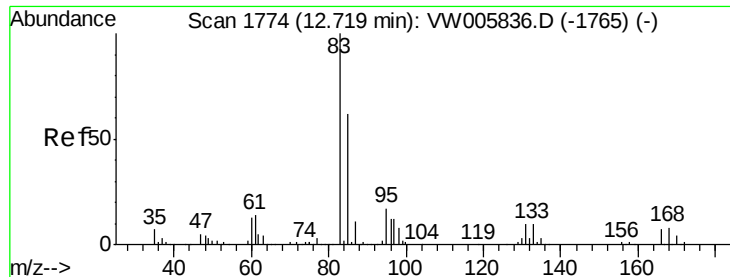
43 100

70 41.1 33.6 50.4

55 25.8 21.8 32.6

61 23.1 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 102.817 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW005838.D

Acq: 04 Oct 2018 05:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

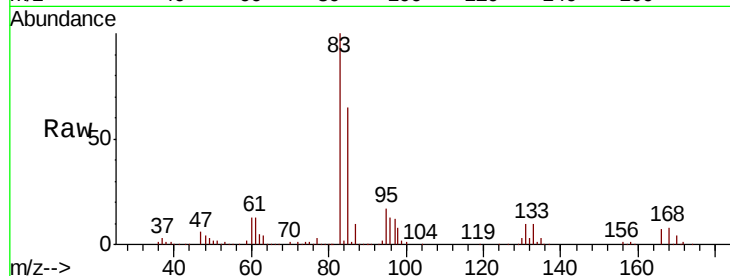
Tgt Ion: 83 Resp: 184911

Ion Ratio Lower Upper

83 100

131 11.9 5.9 17.6

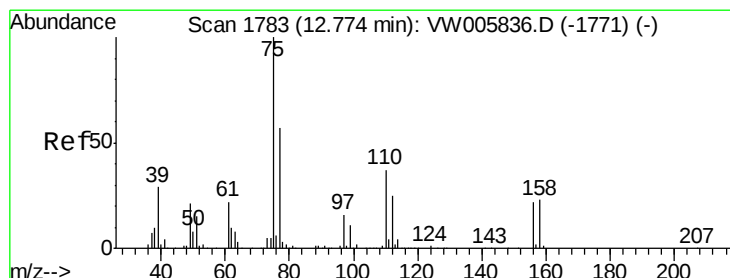
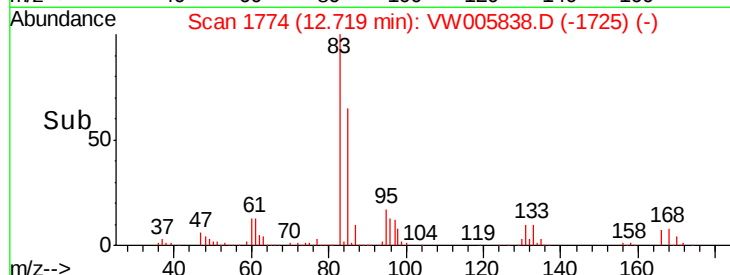
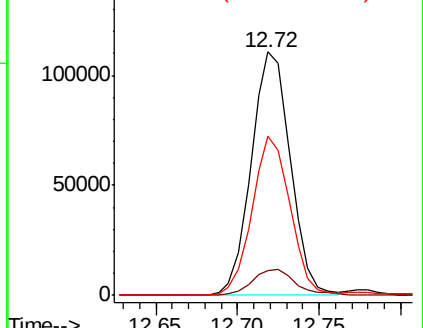
85 63.5 31.8 95.3



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 196.183 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW005838.D

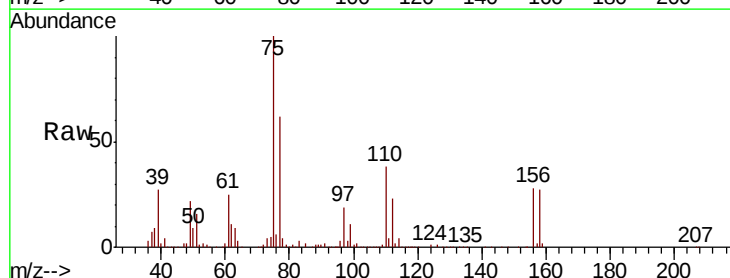
Acq: 04 Oct 2018 05:20

Tgt Ion: 75 Resp: 261862

Ion Ratio Lower Upper

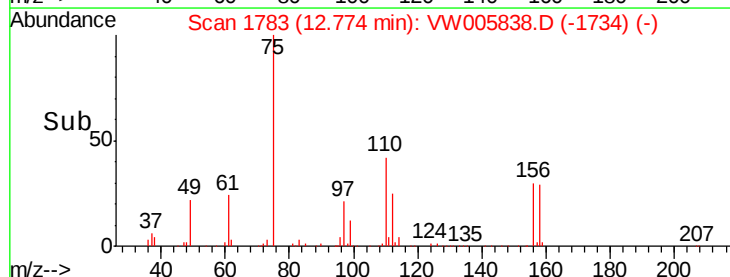
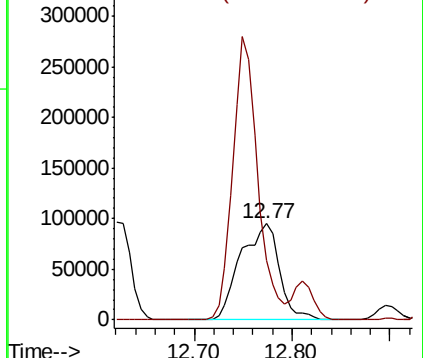
75 100

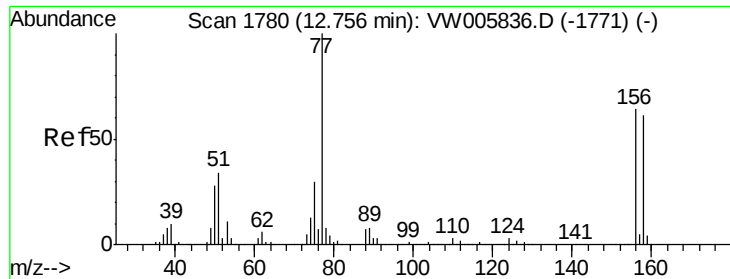
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 109.181 ug/l

RT: 12.76 min Scan# 1780

Delta R.T. -0.00 min

Lab File: VW005838.D

Acq: 04 Oct 2018 05:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

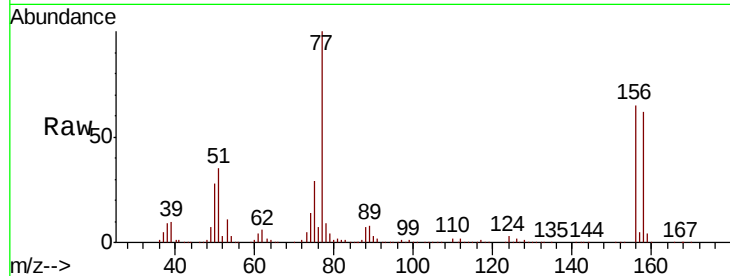
Tgt Ion:156 Resp: 276431

Ion Ratio Lower Upper

156 100

77 180.3 91.0 273.1

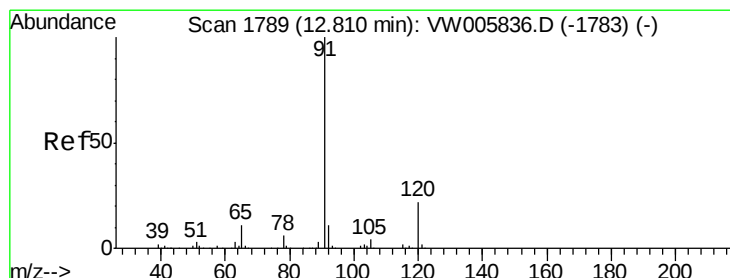
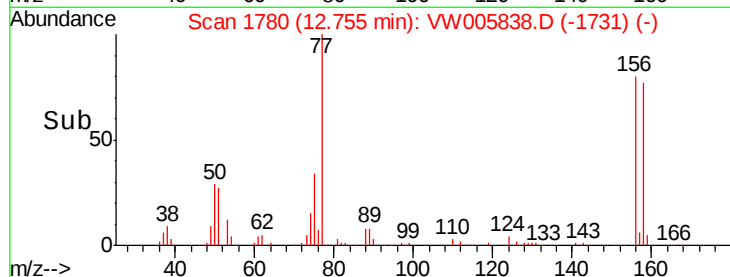
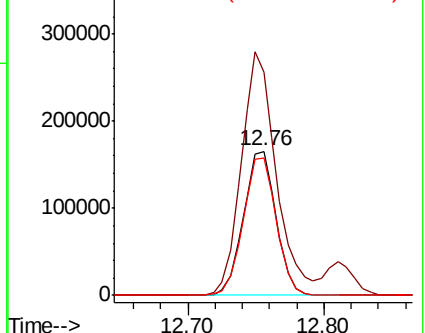
158 96.8 48.4 145.2



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: 107.615 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW005838.D

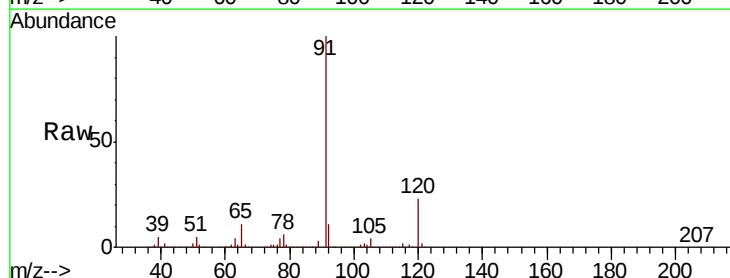
Acq: 04 Oct 2018 05:20

Tgt Ion: 91 Resp: 1388944

Ion Ratio Lower Upper

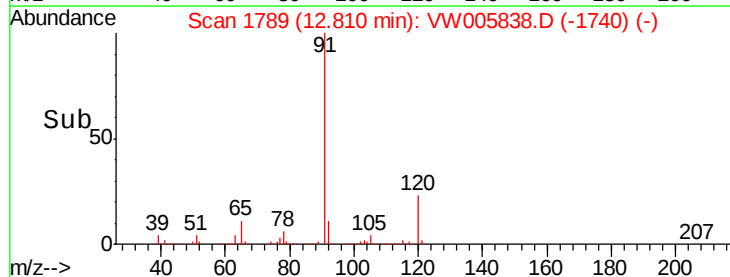
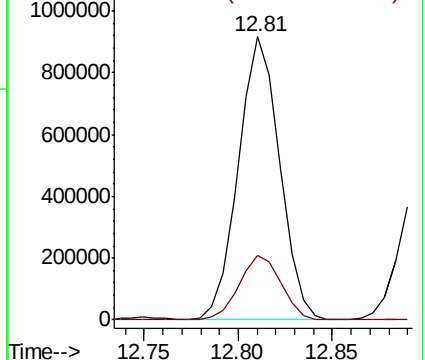
91 100

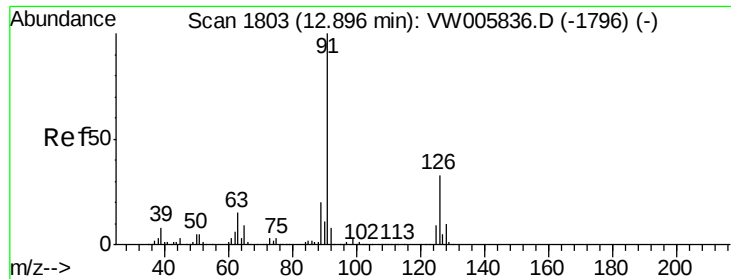
120 22.9 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 108.455 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW005838.D

Acq: 04 Oct 2018 05:20

Instrument :

MSVOA_W

ClientSampleId :

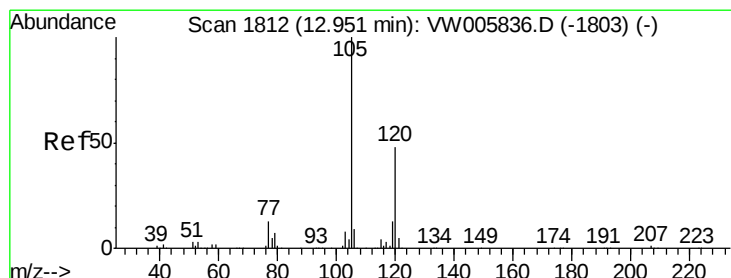
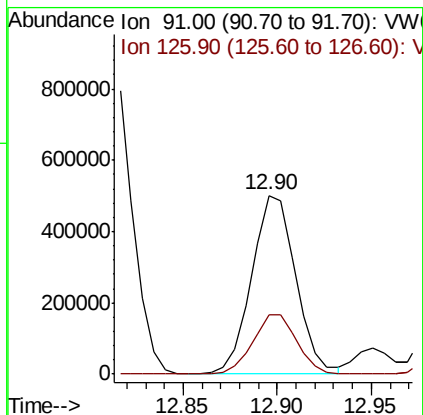
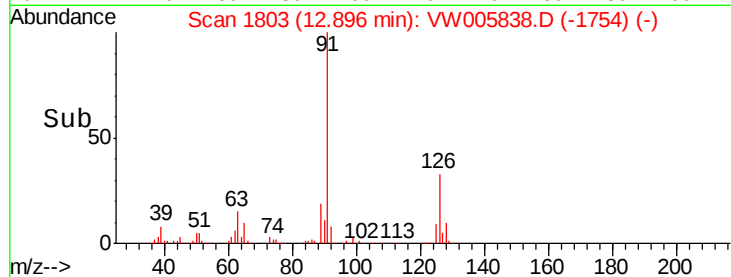
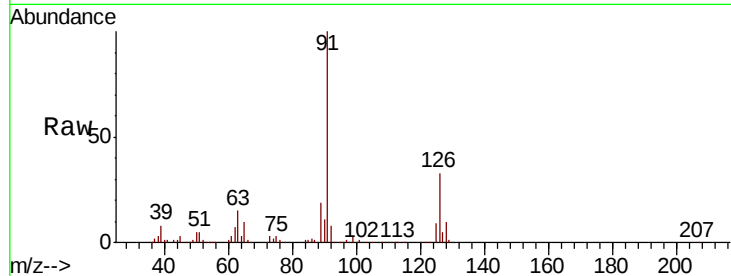
VSTDIC100

Tgt Ion: 91 Resp: 813486

Ion Ratio Lower Upper

91 100

126 33.3 16.6 49.8



#80

1,3,5-Trimethylbenzene

Concen: 109.072 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VW005838.D

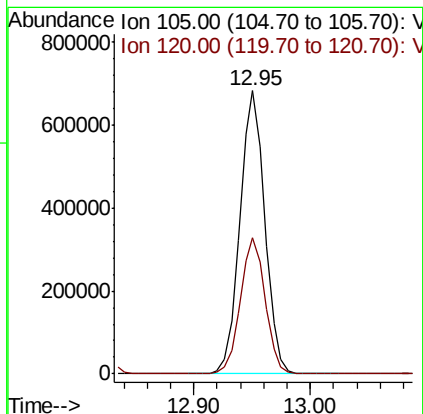
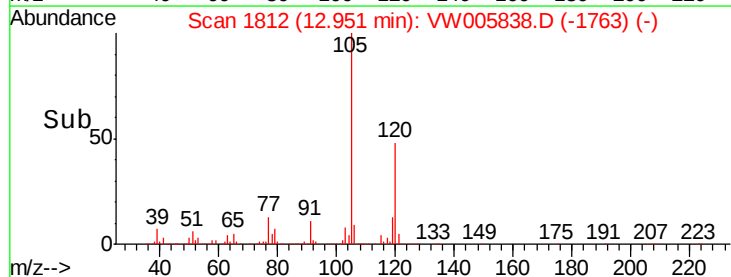
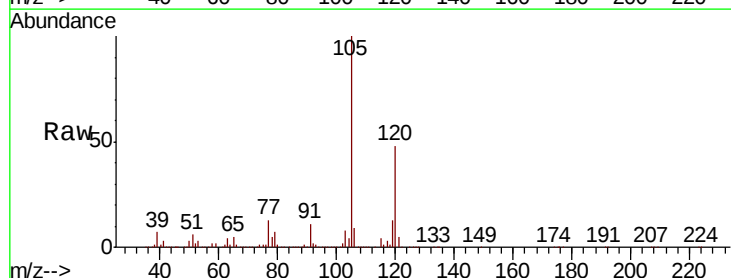
Acq: 04 Oct 2018 05:20

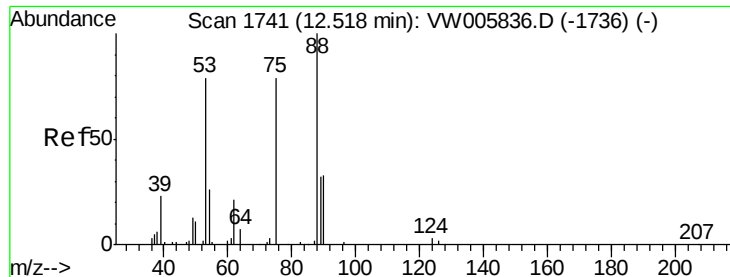
Tgt Ion: 105 Resp: 1014576

Ion Ratio Lower Upper

105 100

120 48.0 23.8 71.2





#81

trans-1,4-Dichloro-2-butene

Concen: 100.850 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VW005838.D

Acq: 04 Oct 2018 05:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

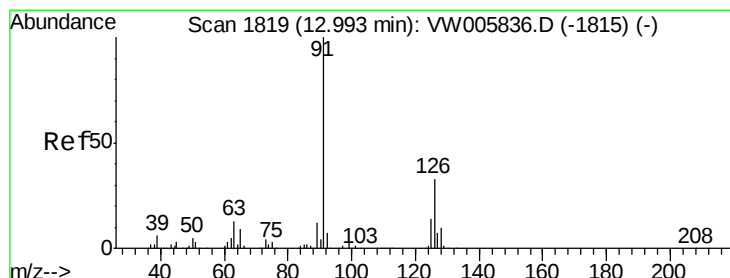
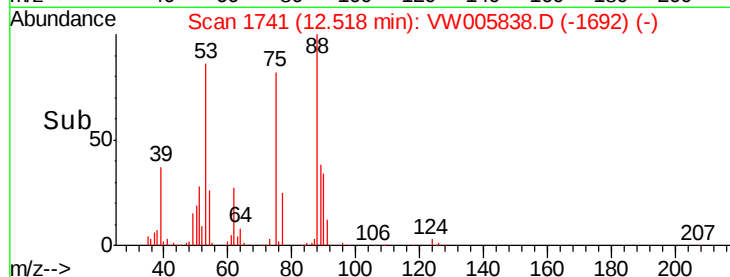
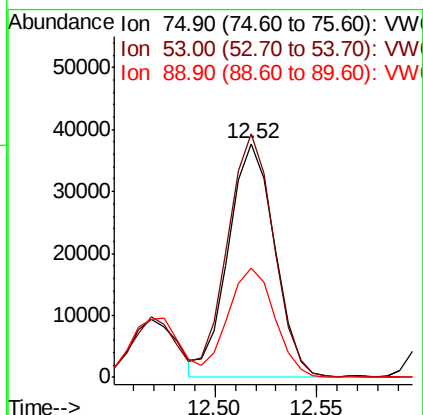
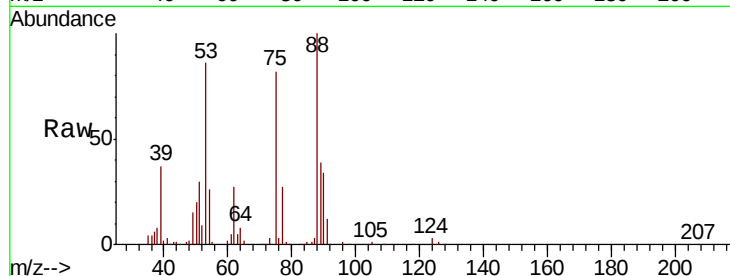
Tgt Ion: 75 Resp: 59129

Ion Ratio Lower Upper

75 100

53 105.3 83.7 125.5

89 47.1 37.5 56.3



#82

4-Chlorotoluene

Concen: 106.973 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW005838.D

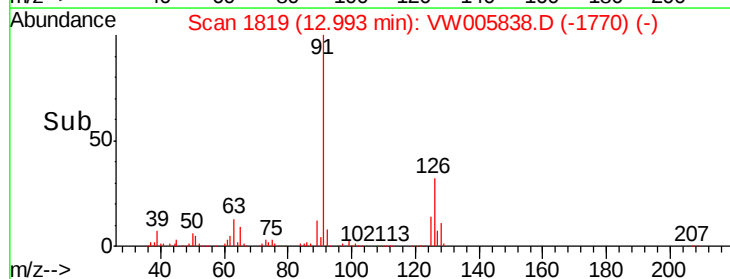
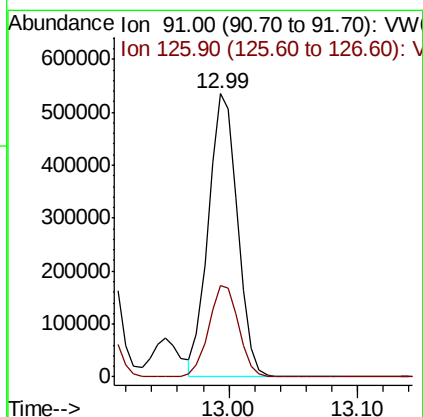
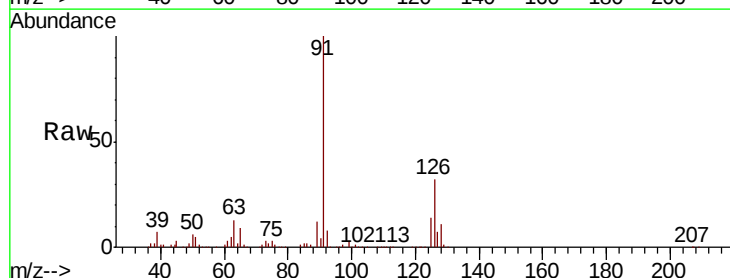
Acq: 04 Oct 2018 05:20

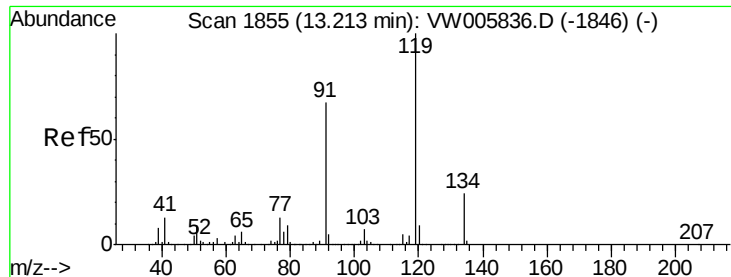
Tgt Ion: 91 Resp: 846389

Ion Ratio Lower Upper

91 100

126 33.1 16.7 50.0

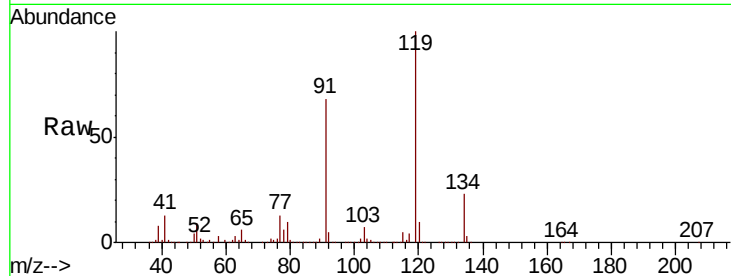




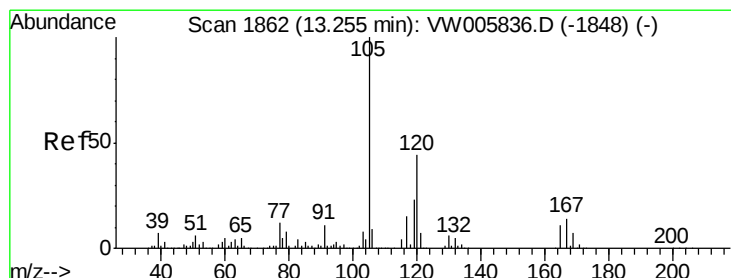
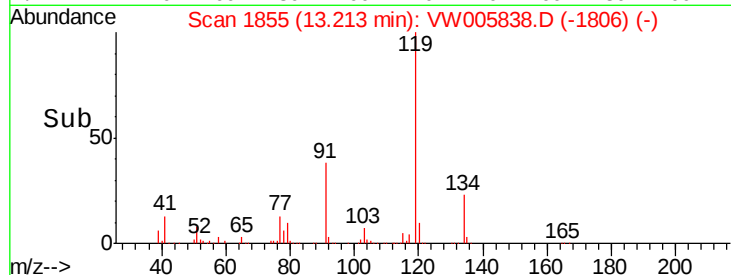
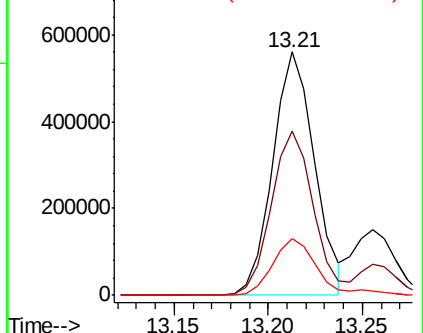
#83
tert-Butylbenzene
Concen: 110.421 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW005838.D
Acq: 04 Oct 2018 05:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tgt Ion:119 Resp: 862234
Ion Ratio Lower Upper
119 100
91 68.4 33.4 100.2
134 25.2 12.8 38.3

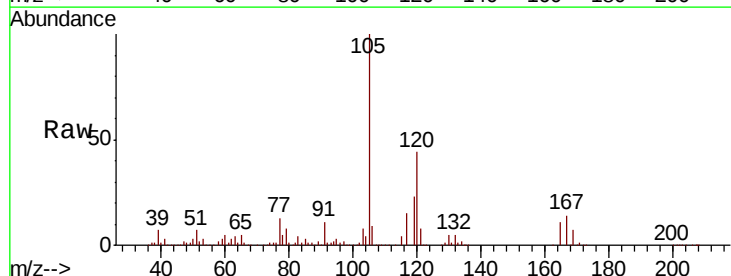


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

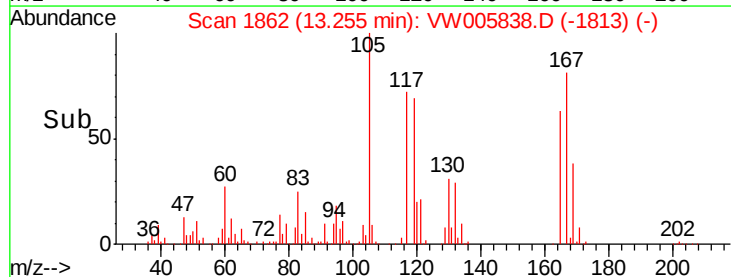
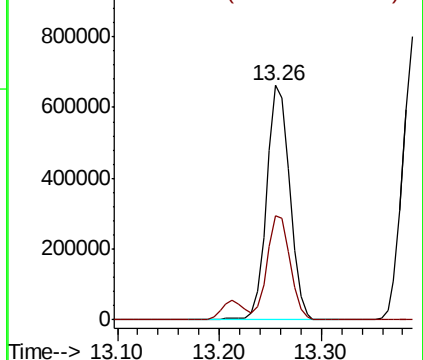


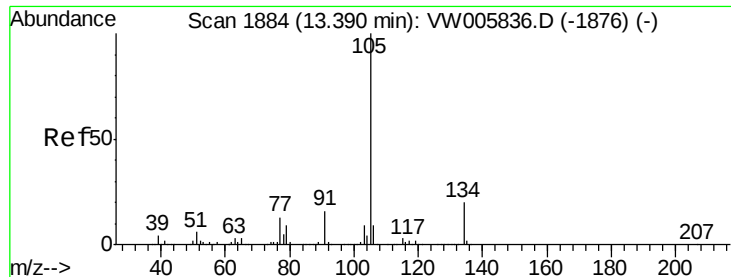
#84
1,2,4-Trimethylbenzene
Concen: 110.132 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW005838.D
Acq: 04 Oct 2018 05:20

Tgt Ion:105 Resp: 1035764
Ion Ratio Lower Upper
105 100
120 44.0 21.9 65.7



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

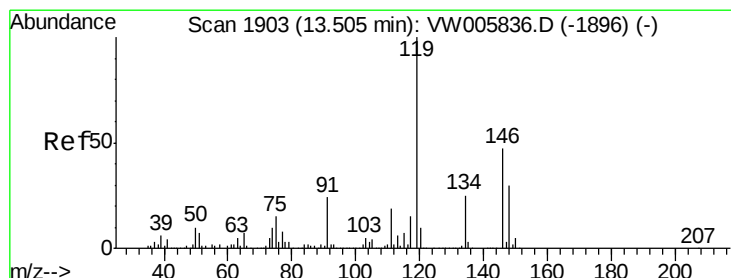
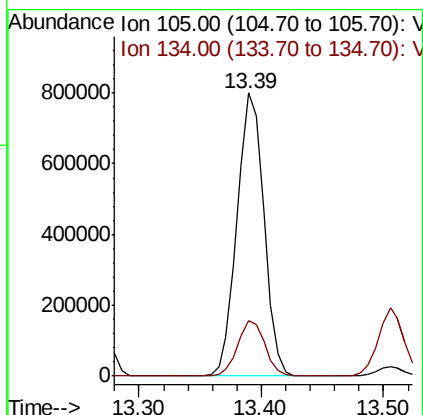
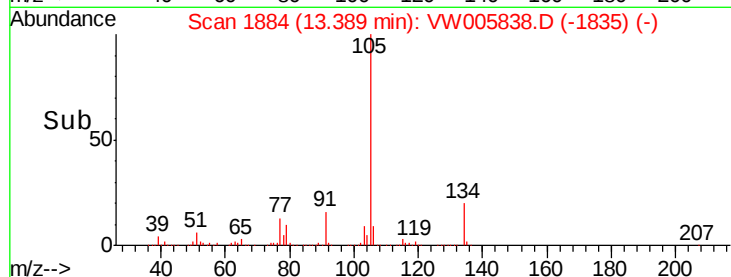
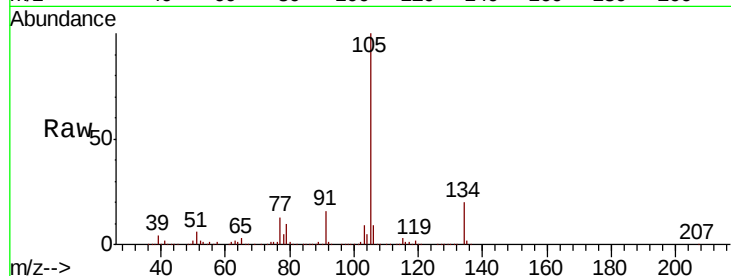




#85
 sec-Butylbenzene
 Concen: 107.619 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW005838.D
 Acq: 04 Oct 2018 05:20

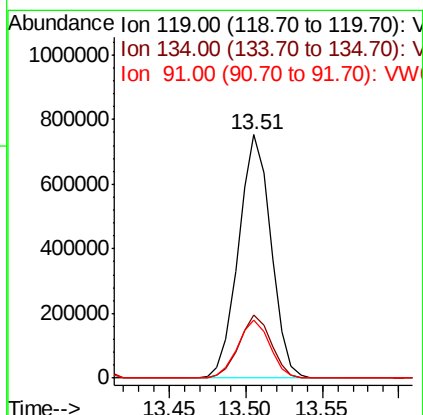
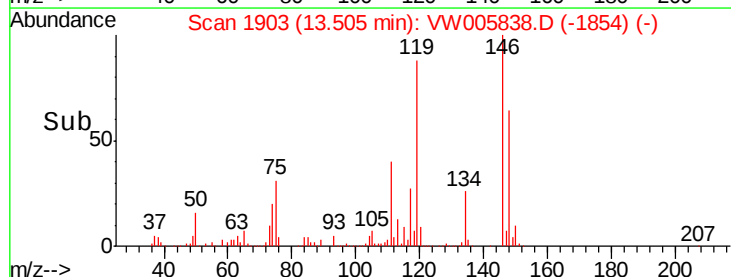
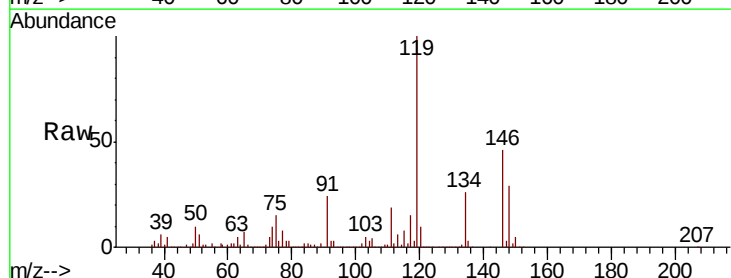
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

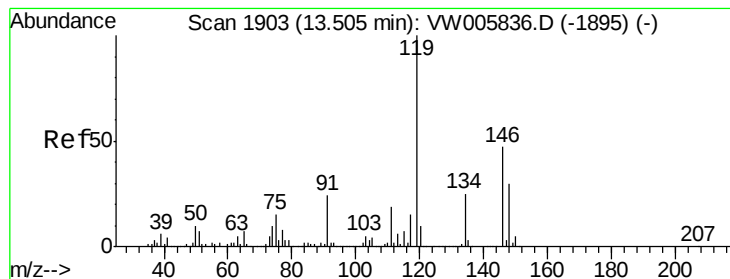
Tgt Ion:105 Resp: 1215656
 Ion Ratio Lower Upper
 105 100
 134 19.8 10.0 30.0



#86
 p-Isopropyltoluene
 Concen: 108.786 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW005838.D
 Acq: 04 Oct 2018 05:20

Tgt Ion:119 Resp: 1104782
 Ion Ratio Lower Upper
 119 100
 134 25.6 12.7 38.0
 91 23.9 11.9 35.9





#87

1,3-Dichlorobenzene

Concen: 104.905 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW005838.D

Acq: 04 Oct 2018 05:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

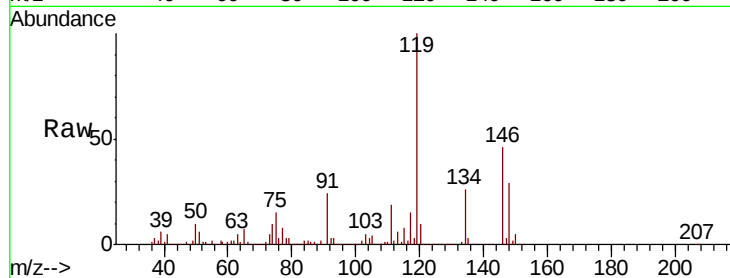
Tgt Ion:146 Resp: 541772

Ion Ratio Lower Upper

146 100

111 40.5 19.9 59.7

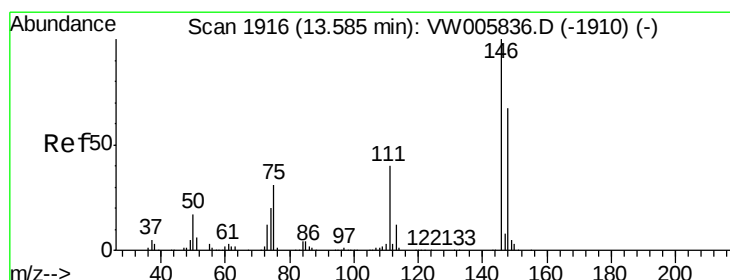
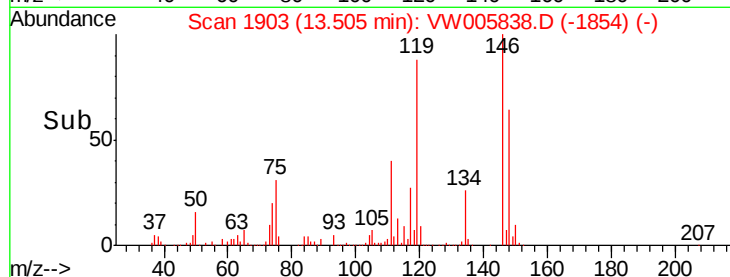
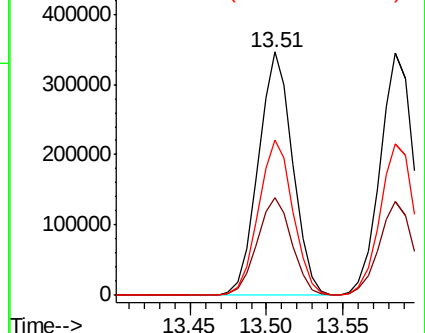
148 64.2 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 103.421 ug/l

RT: 13.58 min Scan# 1916

Delta R.T. -0.00 min

Lab File: VW005838.D

Acq: 04 Oct 2018 05:20

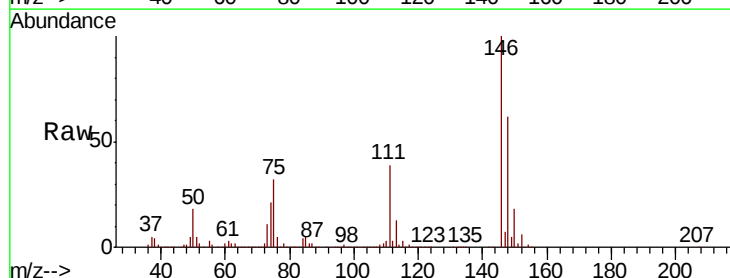
Tgt Ion:146 Resp: 530507

Ion Ratio Lower Upper

146 100

111 38.6 19.7 59.1

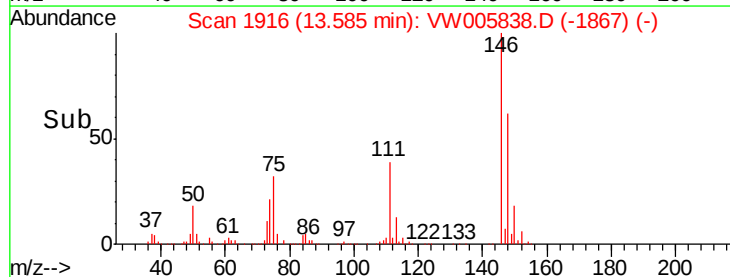
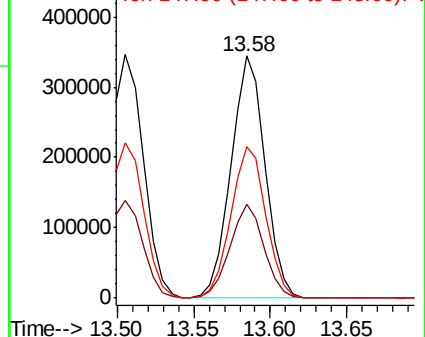
148 63.9 32.1 96.5

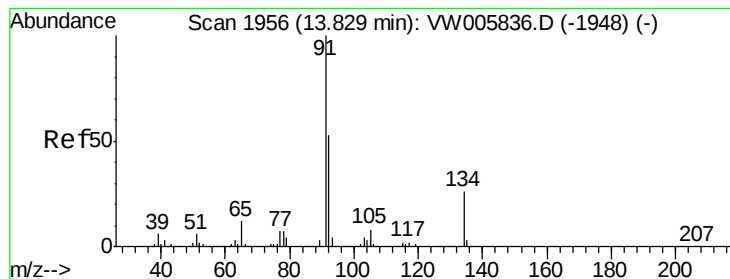


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 105.949 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW005838.D

Acq: 04 Oct 2018 05:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

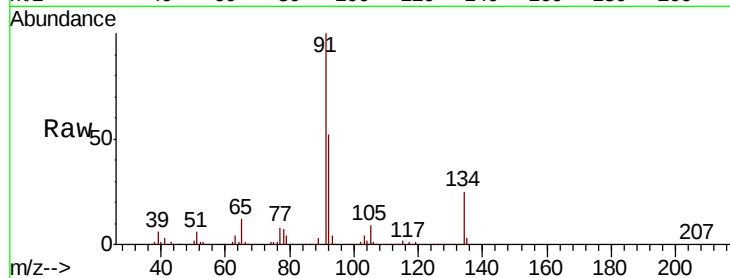
Tgt Ion: 91 Resp: 1008929

Ion Ratio Lower Upper

91 100

92 52.4 26.2 78.5

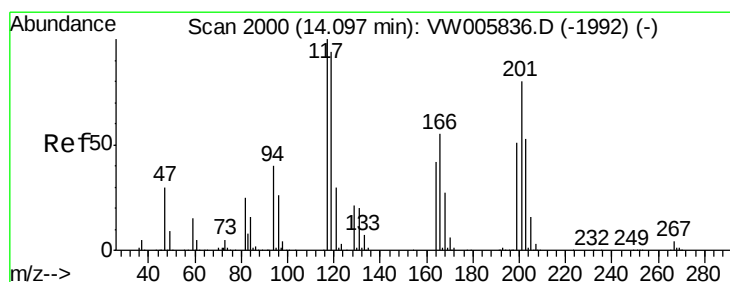
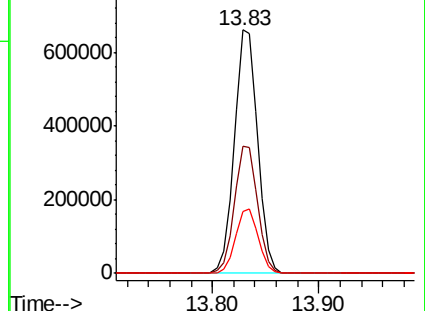
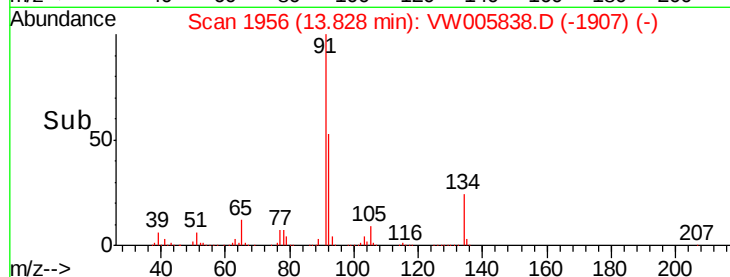
134 25.9 13.1 39.1



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: 105.591 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. 0.01 min

Lab File: VW005838.D

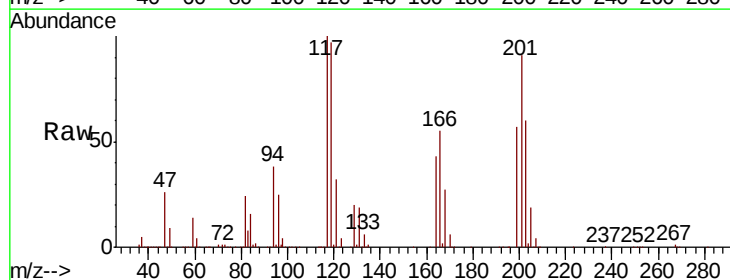
Acq: 04 Oct 2018 05:20

Tgt Ion: 117 Resp: 194463

Ion Ratio Lower Upper

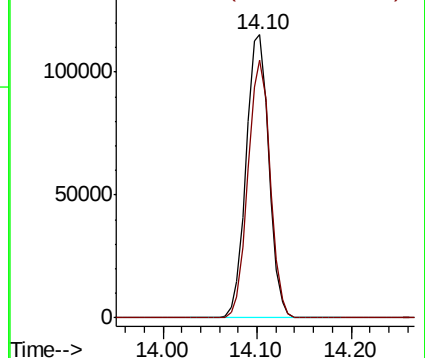
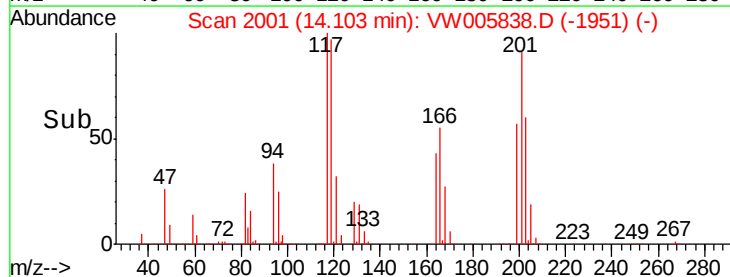
117 100

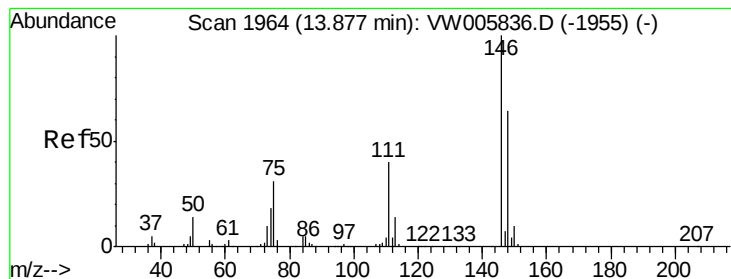
201 89.2 43.7 131.1



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 105.425 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VW005838.D

Acq: 04 Oct 2018 05:20

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

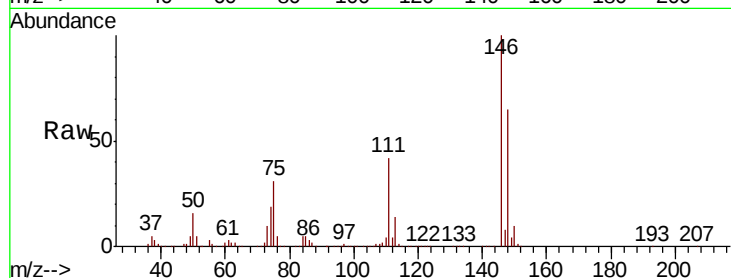
Tgt Ion:146 Resp: 482485

Ion Ratio Lower Upper

146 100

111 41.7 20.4 61.3

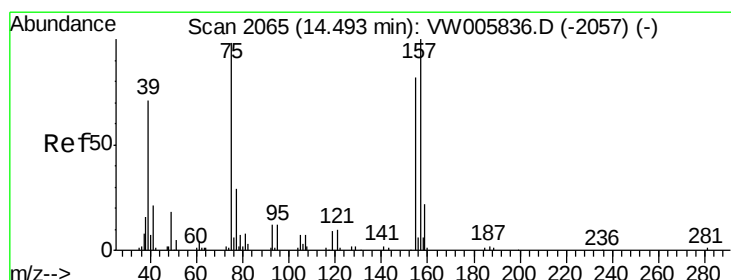
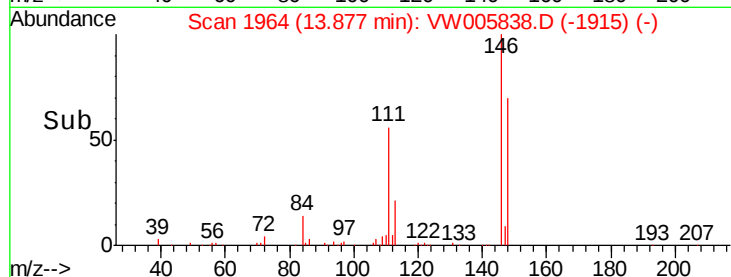
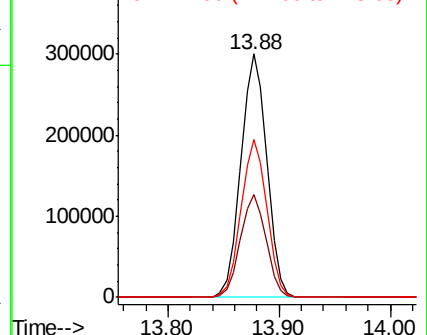
148 64.4 32.1 96.3



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: 104.277 ug/l

RT: 14.49 min Scan# 2065

Delta R.T. -0.00 min

Lab File: VW005838.D

Acq: 04 Oct 2018 05:20

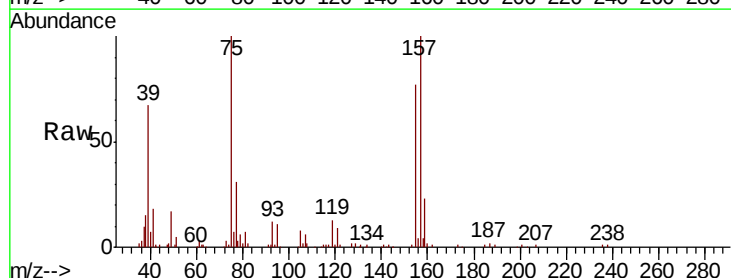
Tgt Ion: 75 Resp: 36111

Ion Ratio Lower Upper

75 100

155 77.6 41.3 123.9

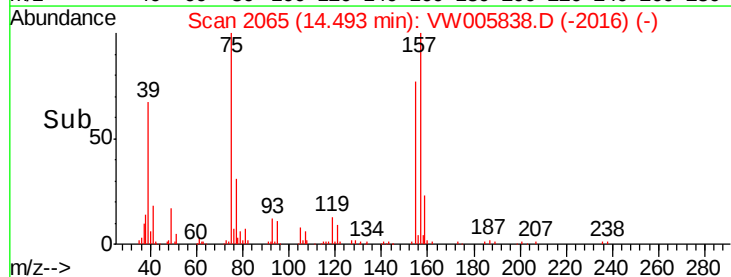
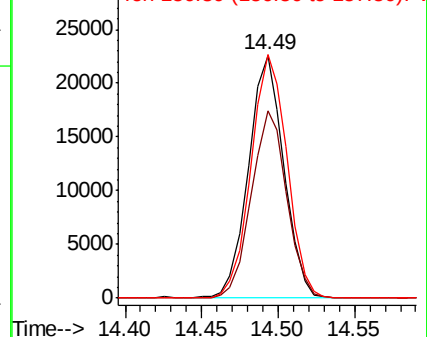
157 102.8 51.9 155.7

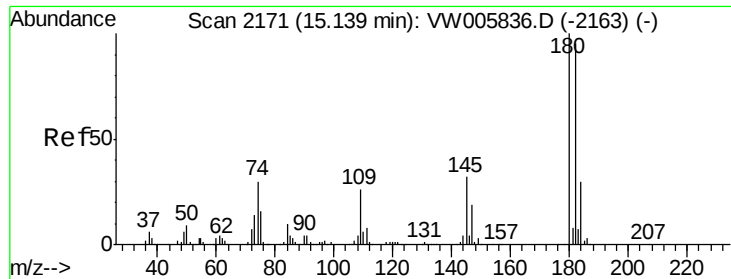


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

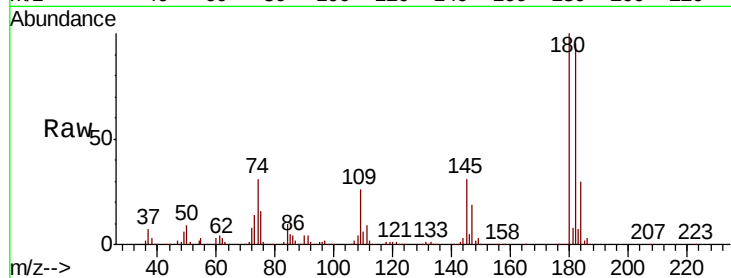




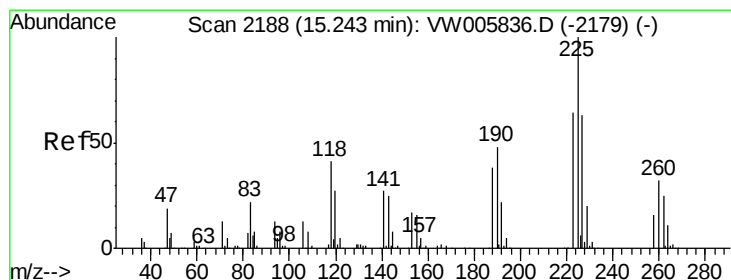
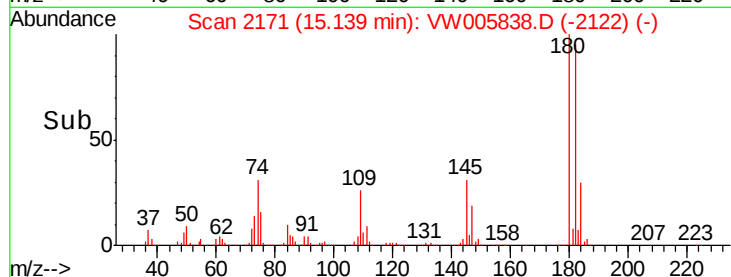
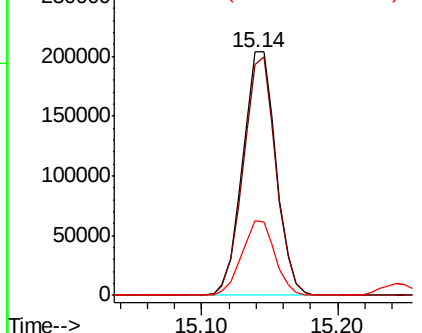
#93
 1,2,4-Trichlorobenzene
 Concen: 107.433 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW005838.D
 Acq: 04 Oct 2018 05:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tgt Ion:180 Resp: 349023
 Ion Ratio Lower Upper
 180 100
 182 95.7 47.6 142.8
 145 30.4 15.0 45.0

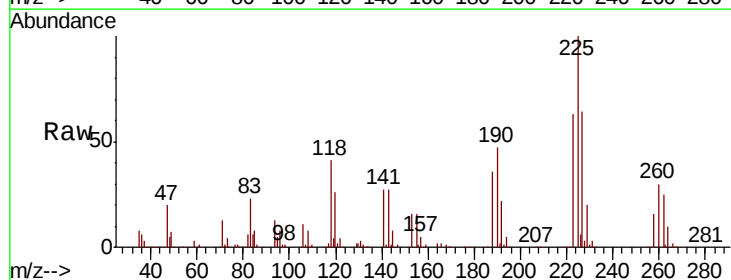


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

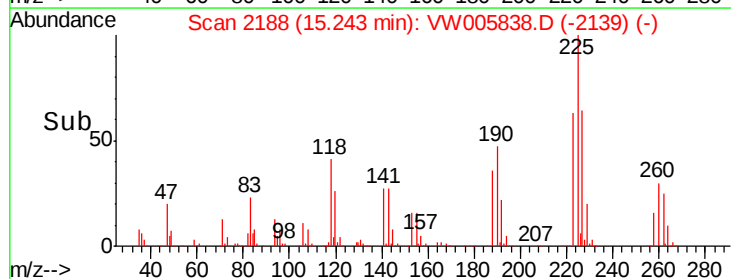
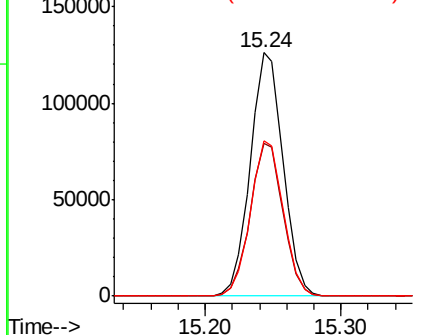


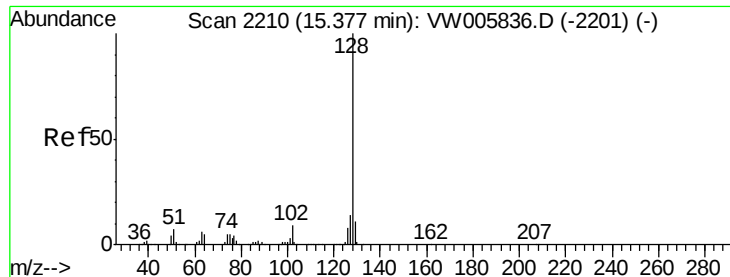
#94
 Hexachlorobutadiene
 Concen: 102.077 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW005838.D
 Acq: 04 Oct 2018 05:20

Tgt Ion:225 Resp: 213686
 Ion Ratio Lower Upper
 225 100
 223 62.8 31.2 93.6
 227 63.7 31.7 95.1



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

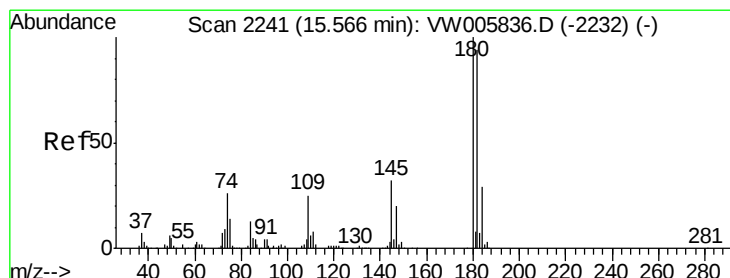
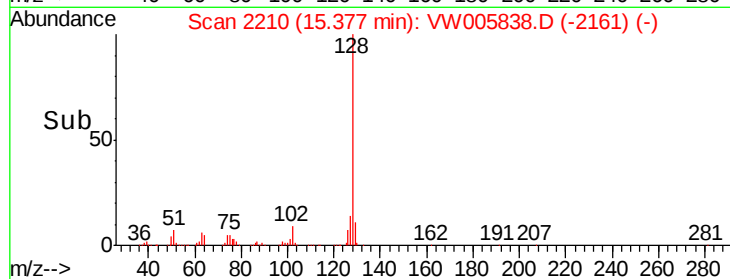
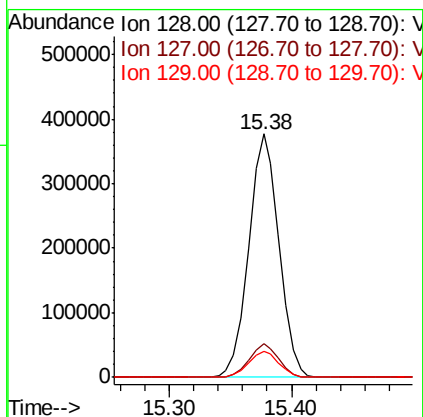
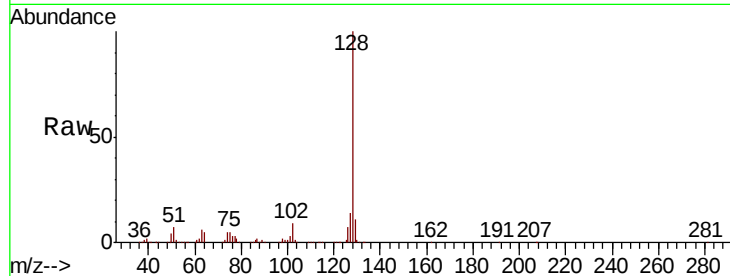




#95
Naphthalene
Concen: 116.578 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW005838.D
Acq: 04 Oct 2018 05:20

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tgt Ion:128 Resp: 644753
Ion Ratio Lower Upper
128 100
127 13.5 10.9 16.3
129 10.9 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 109.626 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW005838.D
Acq: 04 Oct 2018 05:20

Tgt Ion:180 Resp: 315585
Ion Ratio Lower Upper
180 100
182 94.7 47.3 142.0
145 31.7 16.1 48.2

